

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011472.D
 Acq On : 12 Aug 2019 10:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:13:45 AM

Quant Time: Aug 13 07:53:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	241288	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	125328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	91779	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
35) Dibromofluoromethane	5.48	113	81502	51.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	8.71	98	304530	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.13	95	117144	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	64297	49.359	ug/l	99
3) Chloromethane	1.32	50	68189	46.615	ug/l	100
4) Vinyl Chloride	1.40	62	72405	44.998	ug/l	100
5) Bromomethane	1.63	94	54648	47.620	ug/l	99
6) Chloroethane	1.71	64	48258	48.357	ug/l	98
7) Trichlorofluoromethane	1.92	101	136990	47.881	ug/l	98
8) Diethyl Ether	2.18	74	47371	46.369	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	83047	53.646	ug/l	96
10) Methyl Iodide	2.49	142	100401	51.443	ug/l	97
11) Tert butyl alcohol	3.04	59	84603	249.791	ug/l	100
12) 1,1-Dichloroethene	2.36	96	75334	49.092	ug/l	89
13) Acrolein	2.29	56	52614	249.965	ug/l	98
14) Allyl chloride	2.71	41	114255	55.850	ug/l	97
15) Acrylonitrile	3.13	53	211360	261.506	ug/l	98
16) Acetone	2.43	43	239462	296.197	ug/l	95
17) Carbon Disulfide	2.56	76	170948	47.472	ug/l	100
18) Methyl Acetate	2.76	43	100030	54.142	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	253586	56.076	ug/l	100
20) Methylene Chloride	2.85	84	85997	48.571	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	80662	49.691	ug/l	90
22) Diisopropyl ether	3.84	45	244394	54.355	ug/l	98
23) Vinyl Acetate	3.80	43	1066950	286.107	ug/l	98
24) 1,1-Dichloroethane	3.68	63	142103	53.599	ug/l	98
25) 2-Butanone	4.66	43	317880	276.410	ug/l	97
26) 2,2-Dichloropropane	4.57	77	124127	60.228	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	97019	51.889	ug/l	97
28) Bromochloromethane	5.00	49	65188	53.934	ug/l	98
29) Tetrahydrofuran	5.12	42	182772	259.200	ug/l	100
30) Chloroform	5.20	83	158474	54.996	ug/l	96
31) Cyclohexane	5.57	56	113668	51.967	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	139127	56.362	ug/l	99
36) 1,1-Dichloropropene	5.79	75	110272	52.344	ug/l	98
37) Ethyl Acetate	4.82	43	113606	53.762	ug/l	99
38) Carbon Tetrachloride	5.77	117	123912	58.464	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	128679	51.531	ug/l	95
40) Benzene	6.13	78	334223	53.165	ug/l	98
41) Methacrylonitrile	5.03	41	64058	55.507	ug/l	97
42) 1,2-Dichloroethane	6.18	62	124493	58.564	ug/l	97
43) Isopropyl Acetate	6.43	43	186225	55.122	ug/l	99
44) Trichloroethene	7.21	130	99487	52.284	ug/l	98
45) 1,2-Dichloropropane	7.51	63	86155	52.918	ug/l	98
46) Dibromomethane	7.65	93	63495	53.423	ug/l	97
47) Bromodichloromethane	7.89	83	118899	59.087	ug/l	99
48) Methyl methacrylate	7.76	41	91502	57.551	ug/l	97
49) 1,4-Dioxane	7.73	88	42384	919.519	ug/l	94
51) 4-Methyl-2-Pentanone	8.63	43	617990	283.441	ug/l	99
52) Toluene	8.78	92	227498	54.734	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	130261	55.268	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	140450	59.751	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	94693	55.411	ug/l	98
56) Ethyl methacrylate	9.17	69	142746	58.615	ug/l	98
57) 1,3-Dichloropropane	9.37	76	147899	54.723	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	353877	295.531	ug/l	99
59) 2-Hexanone	9.49	43	484273	286.757	ug/l	98
60) Dibromochloromethane	9.58	129	104126	59.513	ug/l	99
61) 1,2-Dibromoethane	9.67	107	102397	55.460	ug/l	99
64) Tetrachloroethene	9.33	164	99334	51.131	ug/l	96
65) Chlorobenzene	10.13	112	258525	52.706	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	95593	56.926	ug/l	99
67) Ethyl Benzene	10.25	91	451494	54.962	ug/l	98
68) m/p-Xylenes	10.35	106	351003	110.468	ug/l	98
69) o-Xylene	10.69	106	169479	54.287	ug/l	98
70) Styrene	10.71	104	293334	56.785	ug/l	98
71) Bromoform	10.85	173	78249	51.995	ug/l	99
73) Isopropylbenzene	11.01	105	465647	54.325	ug/l	99
74) N-amyl acetate	10.90	43	170240	54.966	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	145879	51.070	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	128767m	56.418	ug/l	
77) Bromobenzene	11.25	156	123232	51.847	ug/l	96
78) n-propylbenzene	11.36	91	529798	55.580	ug/l	99
79) 2-Chlorotoluene	11.41	91	305287	53.734	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	393138	54.791	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43047	50.330	ug/l	96
82) 4-Chlorotoluene	11.51	91	364584	55.063	ug/l	98
83) tert-Butylbenzene	11.77	119	386538	54.927	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	395770	55.400	ug/l	100
85) sec-Butylbenzene	11.94	105	466643	55.191	ug/l	99
86) p-Isopropyltoluene	12.06	119	435686	56.012	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	222125	52.891	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	225450	52.060	ug/l	99
89) n-Butylbenzene	12.38	91	382931	57.143	ug/l	99
90) Hexachloroethane	12.59	117	67398	58.608	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	218614	51.808	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31632	57.158	ug/l	91

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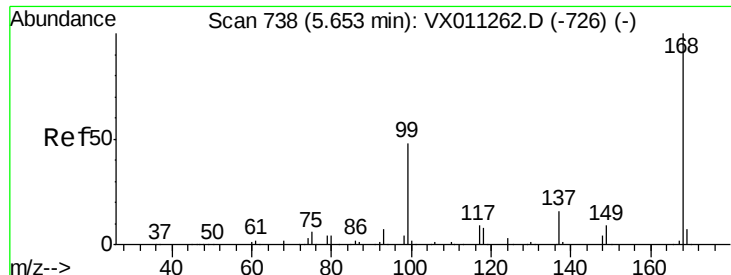
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	156866	56.055	ug/l	99
94) Hexachlorobutadiene	13.78	225	79326	55.871	ug/l	99
95) Naphthalene	13.83	128	459158	56.106	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	154110	54.169	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



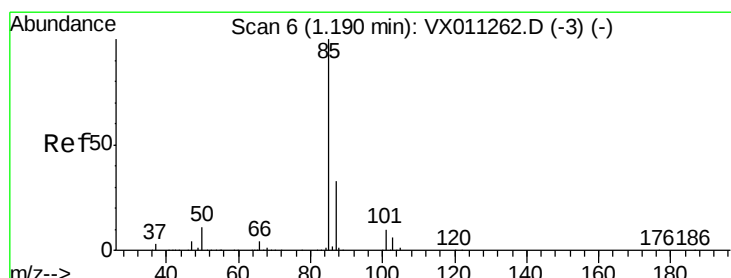
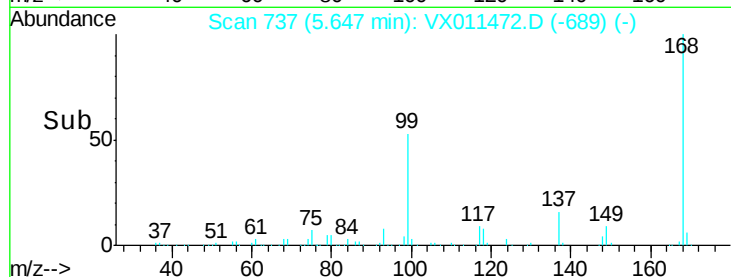
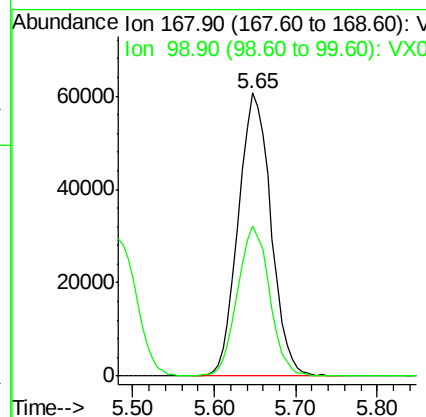
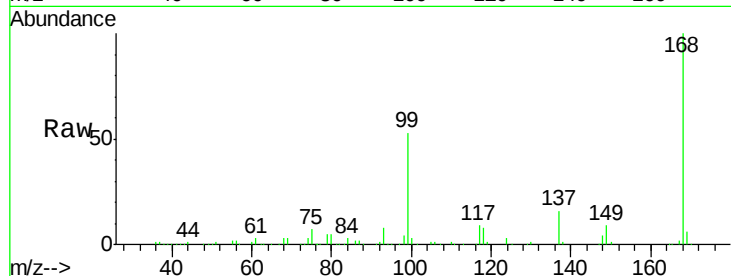
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 737
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
168	100		168661		
99	52.9	38.5	57.7		

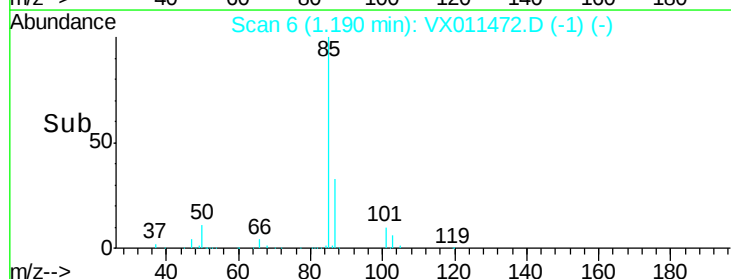
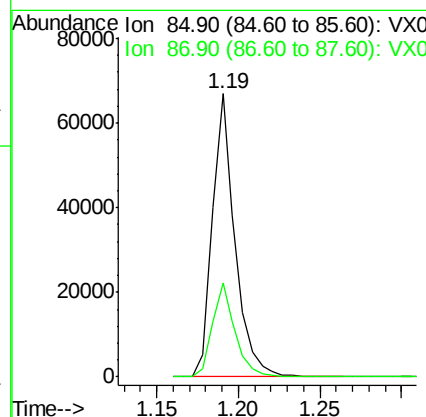
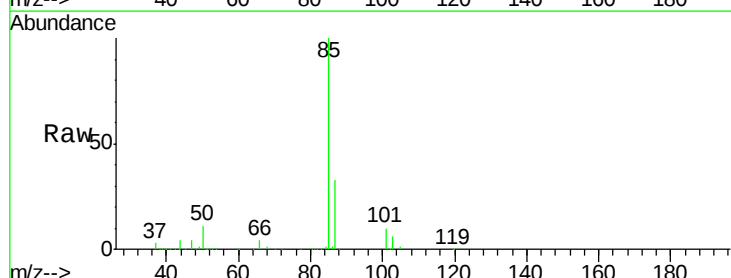
Manual Integrations
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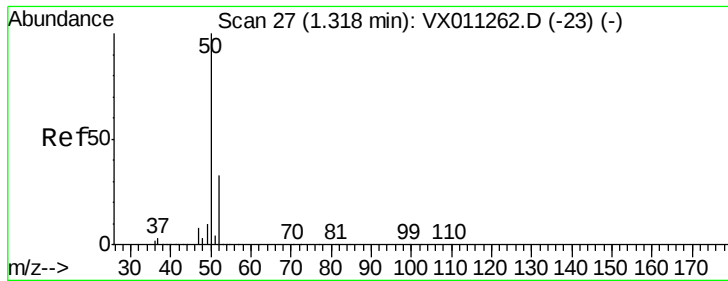
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#2
Dichlorodifluoromethane
Concen: 49.359 ug/l
RT: 1.19 min Scan# 6
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		64297		
87	33.3	16.4	49.1		





#3

Chloromethane

Concen: 46.615 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 68189

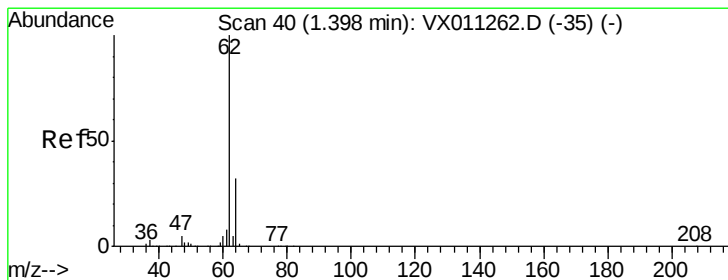
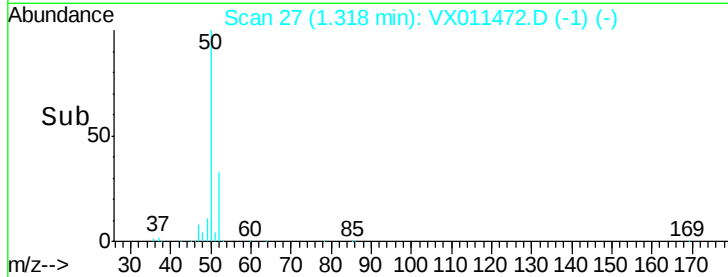
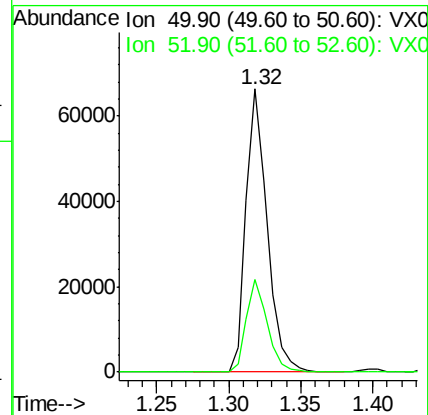
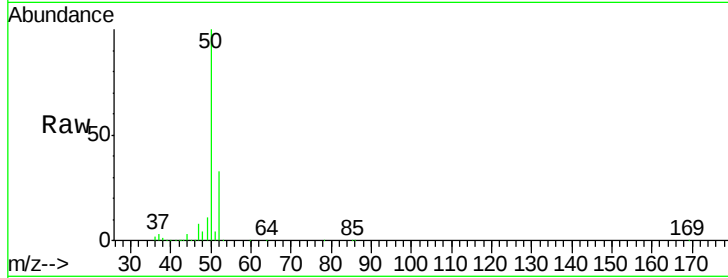
Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6

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#4

Vinyl Chloride

Concen: 44.998 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011472.D

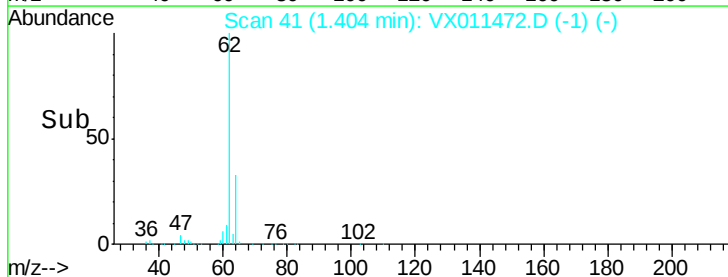
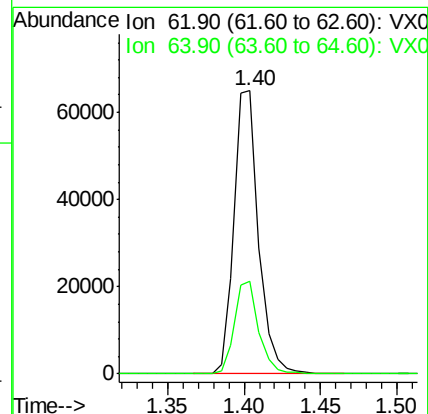
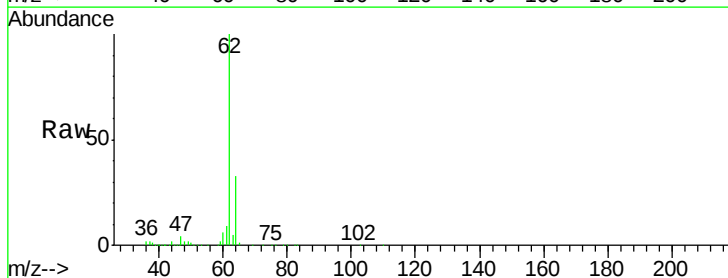
Acq: 12 Aug 2019 10:18

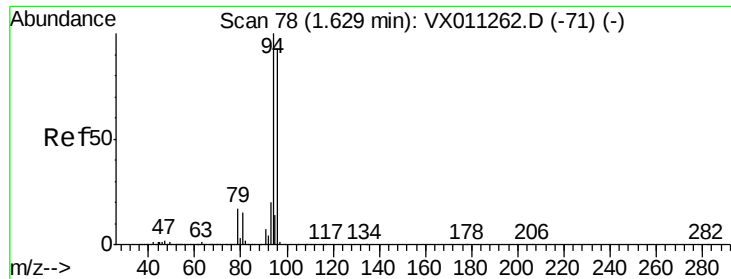
Tgt Ion: 62 Resp: 72405

Ion Ratio Lower Upper

62 100

64 32.8 26.0 39.0





#5

Bromomethane

Concen: 47.620 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 54648

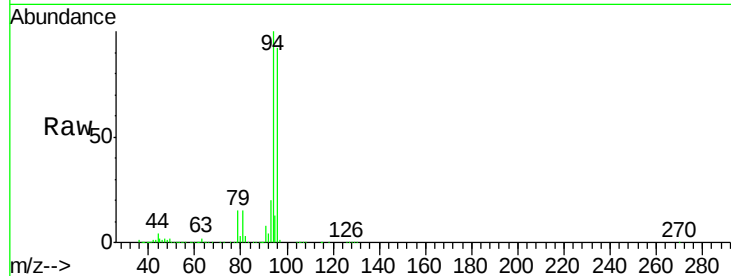
Ion Ratio Lower Upper

94 100

96 92.2 74.6 112.0

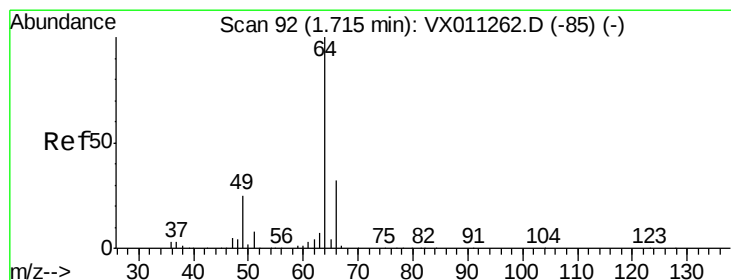
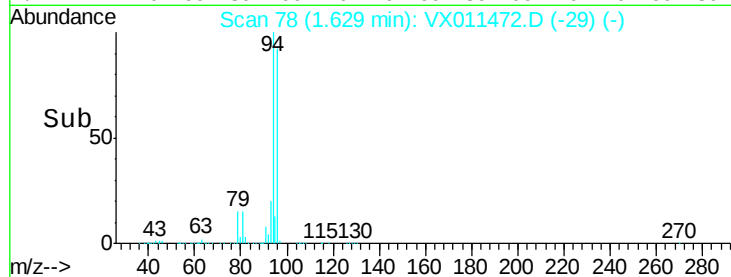
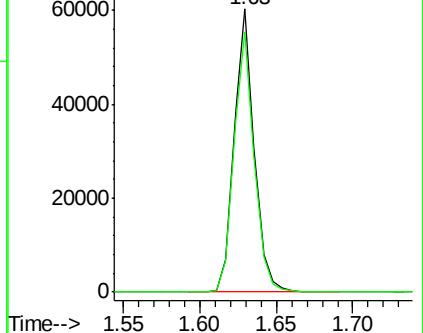
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.357 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011472.D

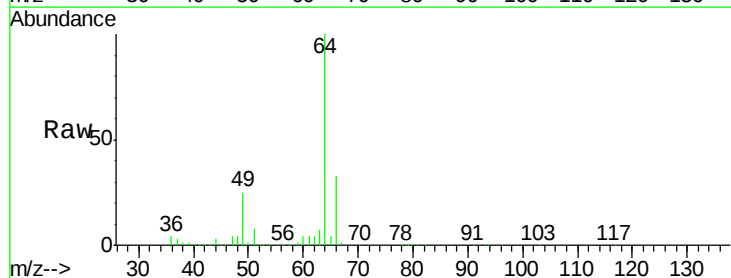
Acq: 12 Aug 2019 10:18

Tgt Ion: 64 Resp: 48258

Ion Ratio Lower Upper

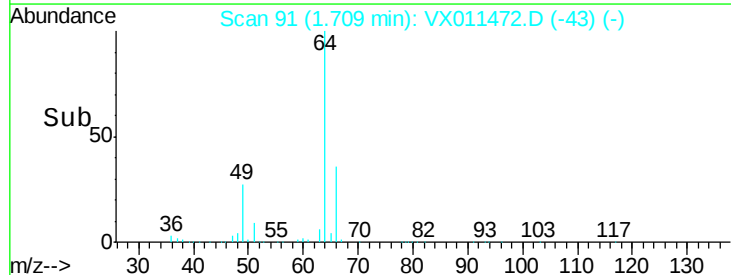
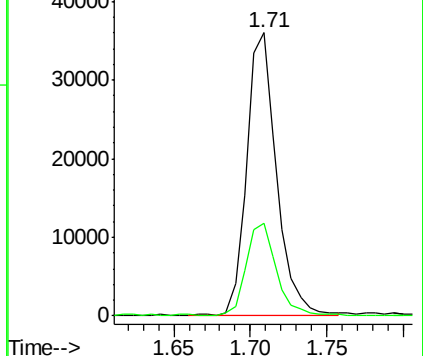
64 100

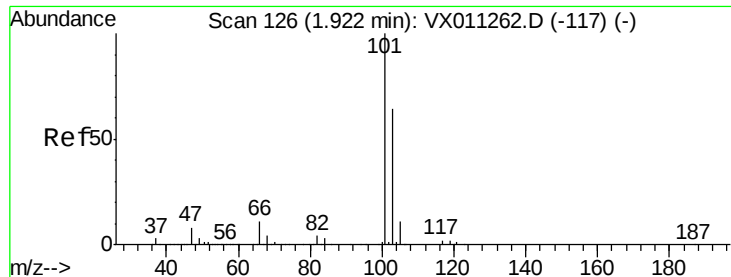
66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

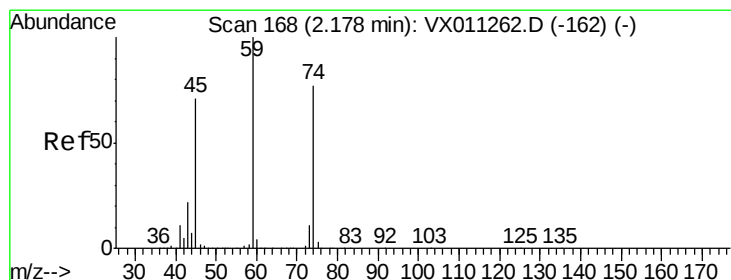
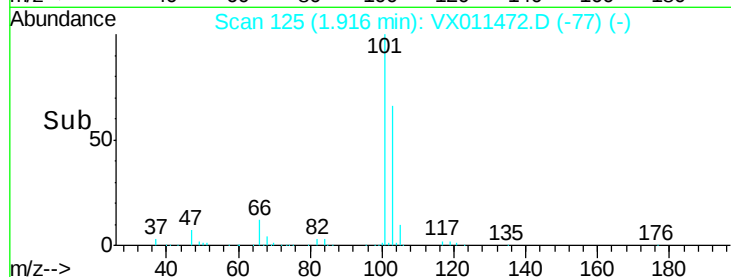
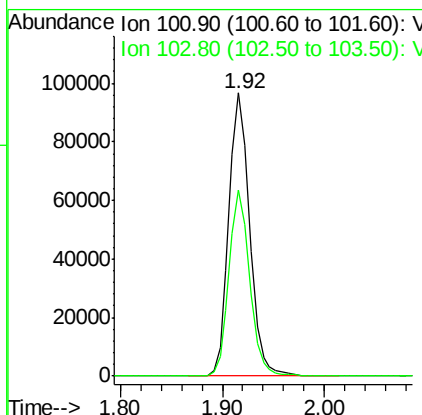
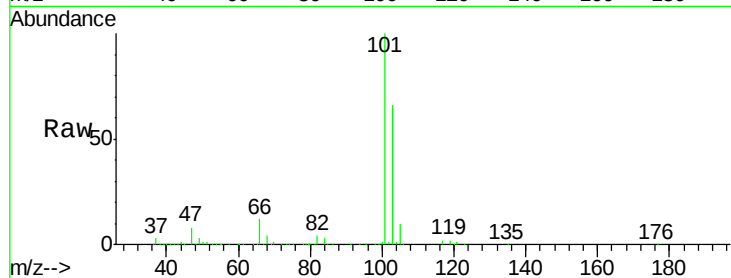
Trichlorofluoromethane
 Concen: 47.881 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	50.9	76.3

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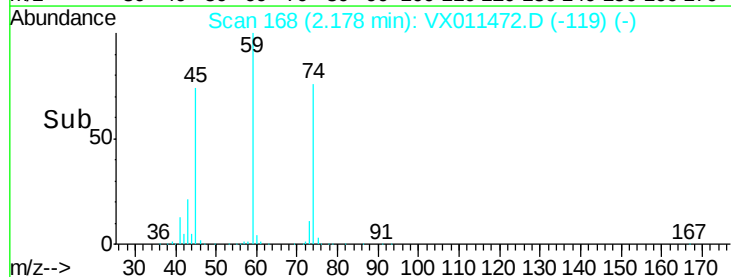
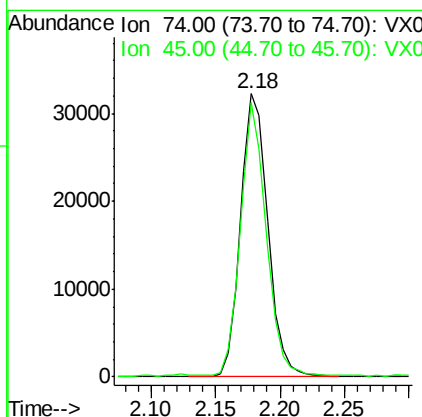
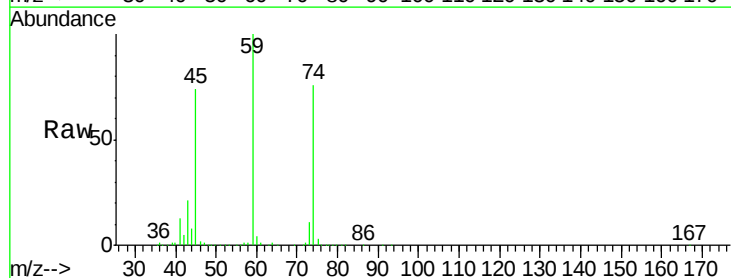
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 8/14/2019 9:13:45 AM

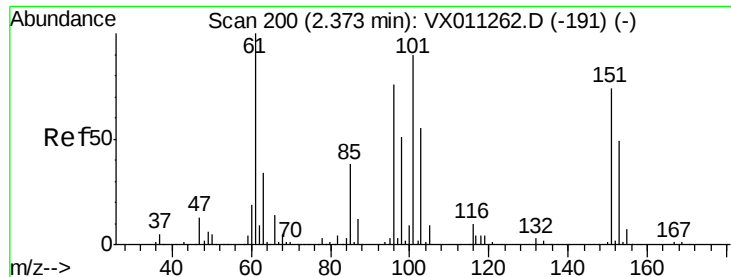


#8

Diethyl Ether
 Concen: 46.369 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	46.1	138.3





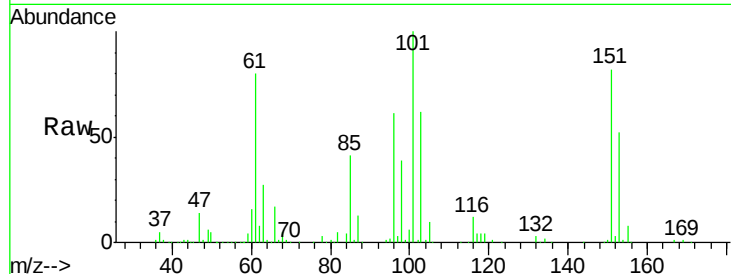
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.646 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX011472.D
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 VSTDCCC050

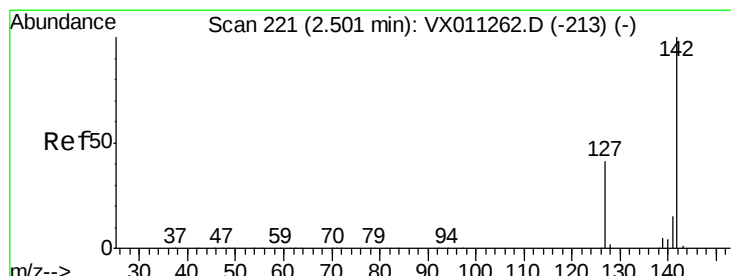
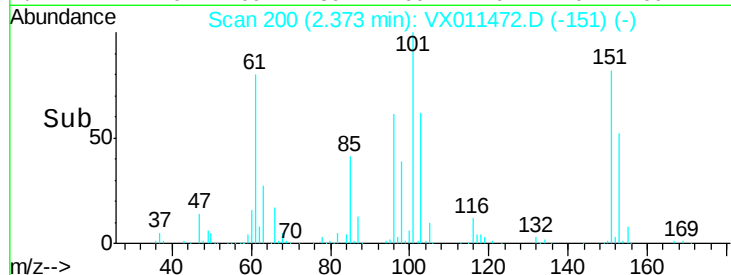
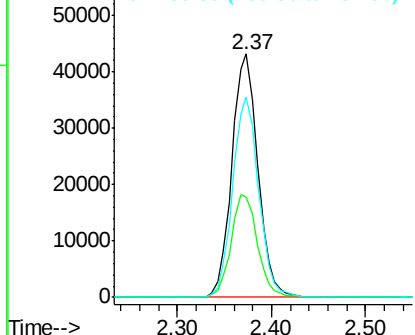
Tot Ion	Ratio	Lower	Upper
101	100		
85	43.1	33.8	50.6
151	82.5	69.5	104.3

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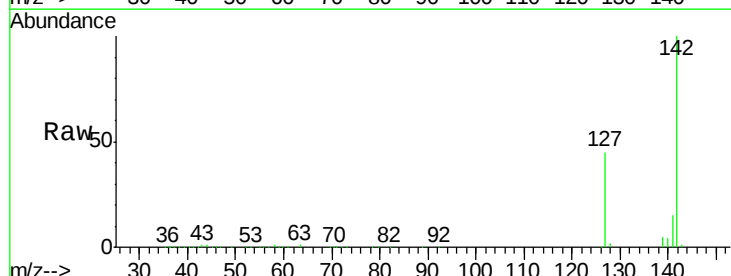


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

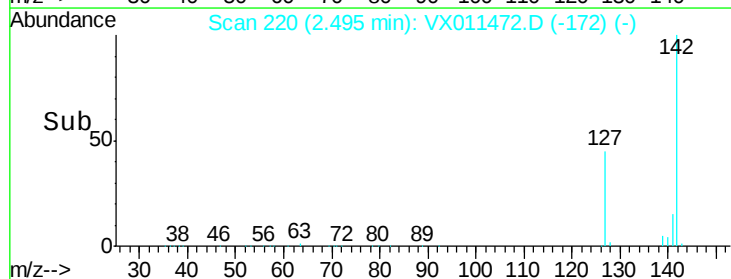
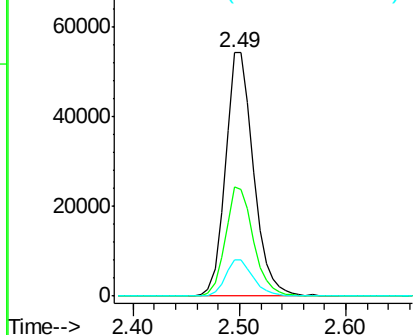


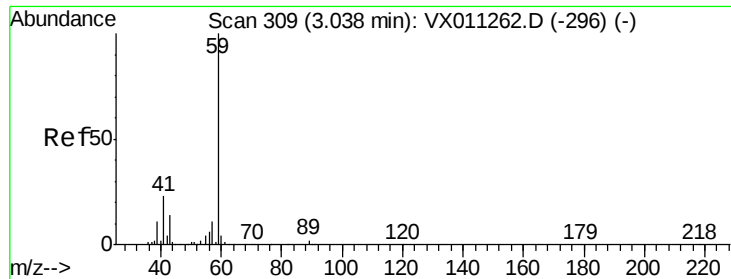
#10
 Methyl Iodide
 Concen: 51.443 ug/l
 RT: 2.49 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.7	33.8	50.8
141	14.7	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





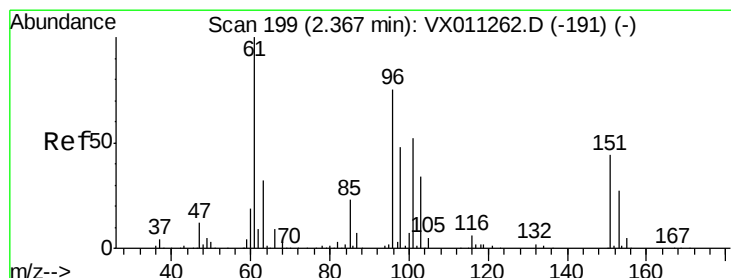
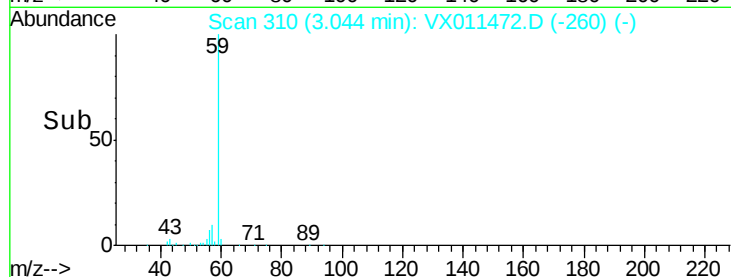
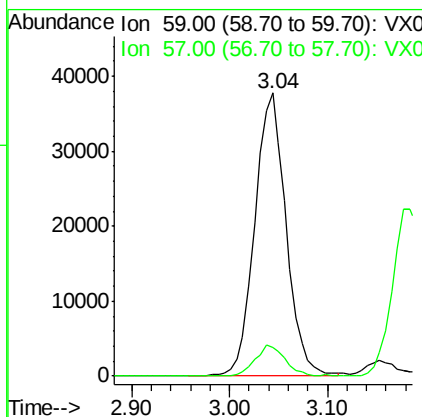
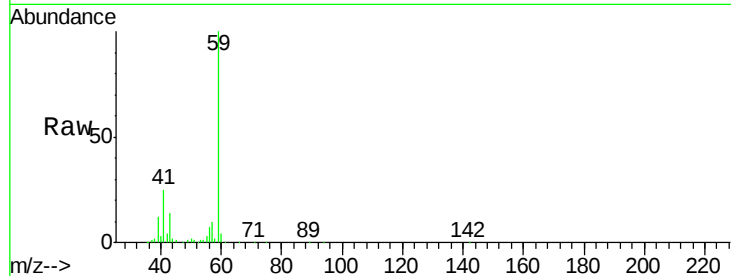
#11
Tert butyl alcohol
Concen: 249.791 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 84603
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

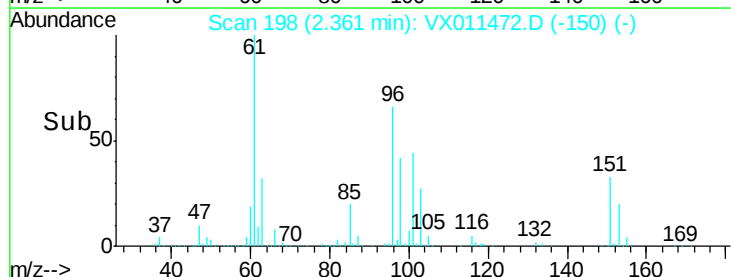
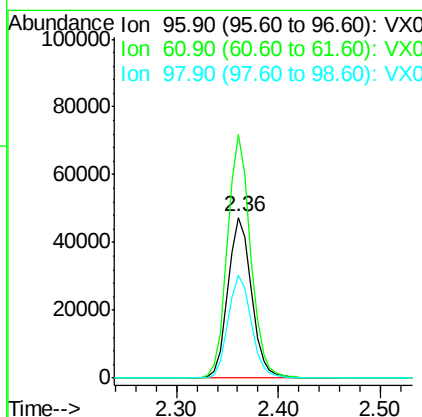
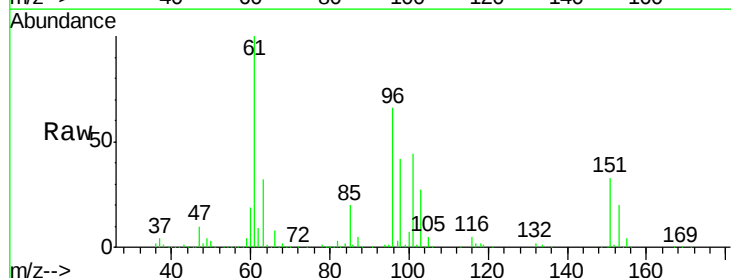
Manual Integrations
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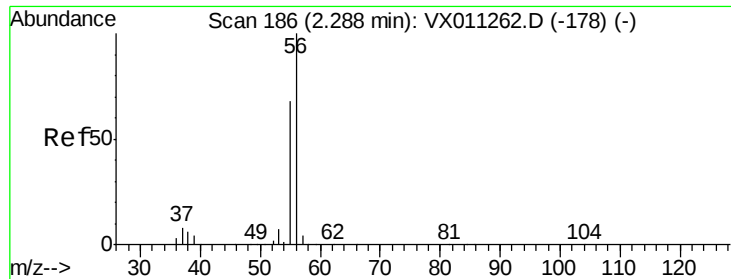
MMDadoda
8/14/2019 9:13:45 AM



#12
1,1-Dichloroethene
Concen: 49.092 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion: 96 Resp: 75334
Ion Ratio Lower Upper
96 100
61 151.4 106.2 159.2
98 64.1 50.6 75.8





#13

Acrolein

Concen: 249.965 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 52614

Ion Ratio Lower Upper

56 100

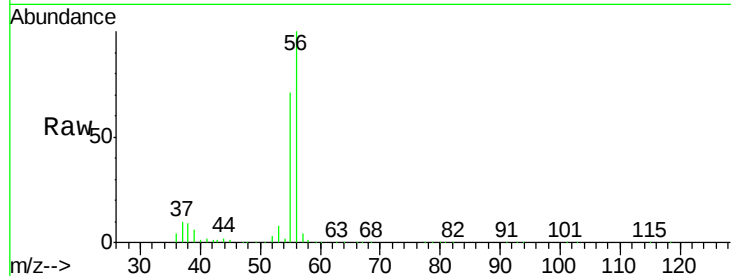
55 71.5 56.0 84.0

Manual Integrations

APPROVED

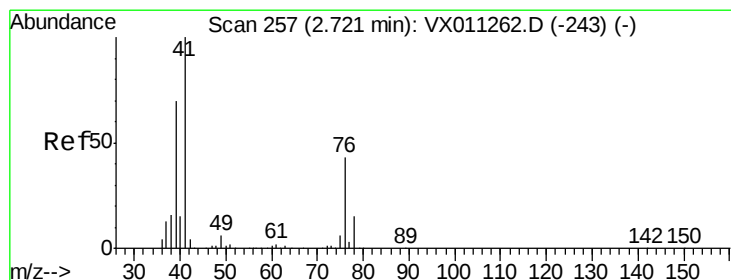
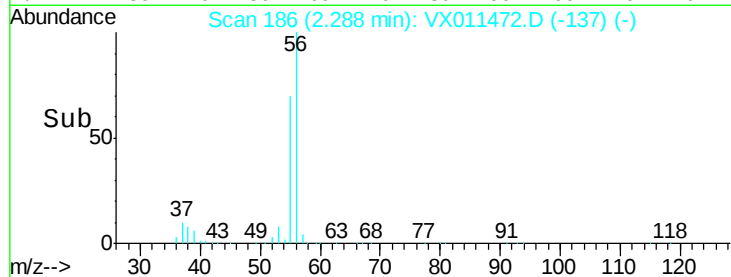
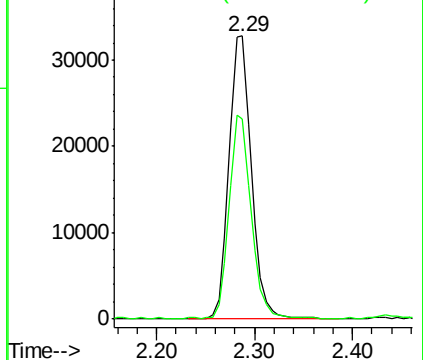
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 55.850 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

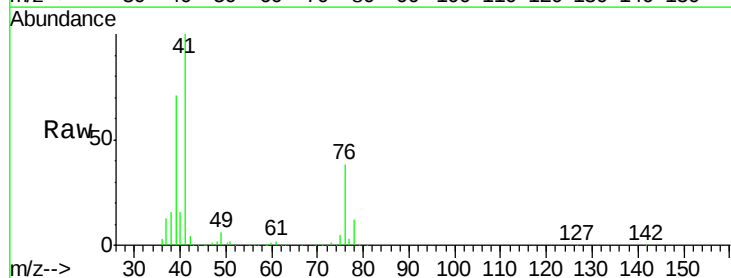
Tgt Ion: 41 Resp: 114255

Ion Ratio Lower Upper

41 100

39 68.3 52.8 79.2

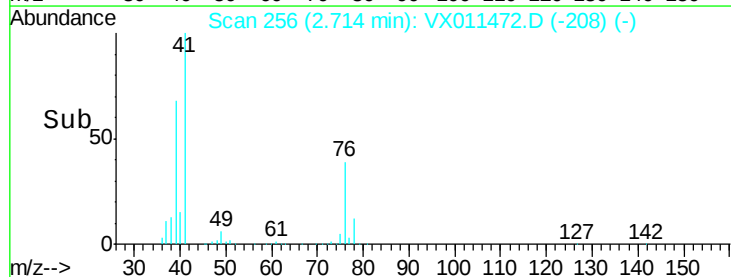
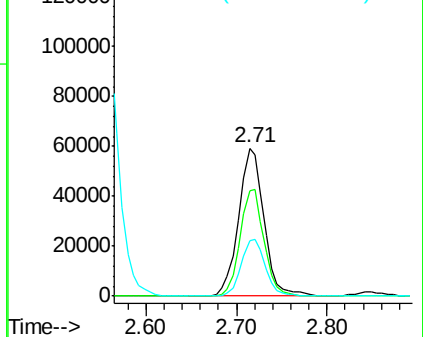
76 36.8 31.1 46.7

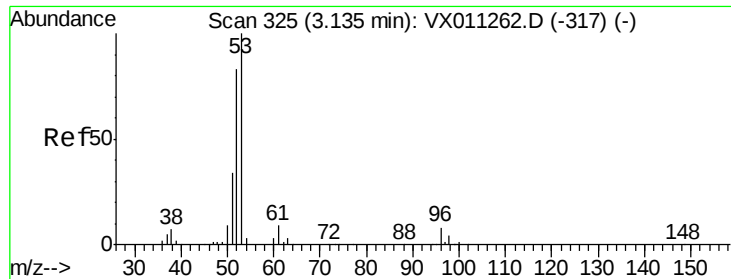


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 261.506 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

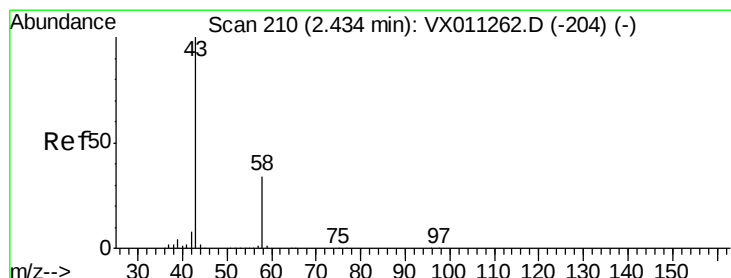
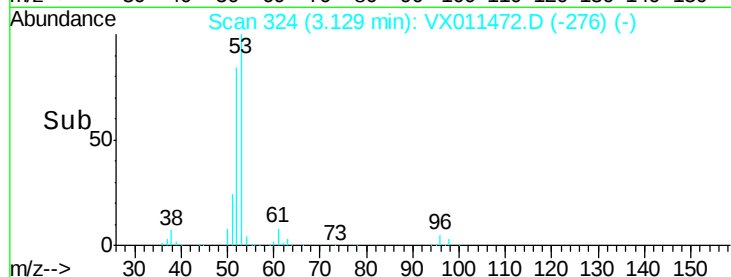
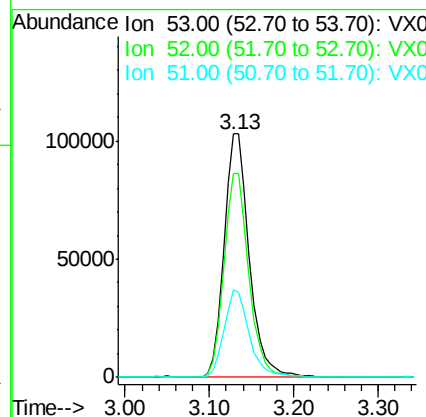
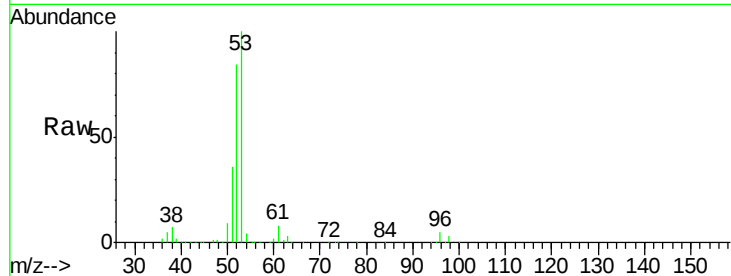
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	211360
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.5	98.3
51	36.2	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 296.197 ug/l

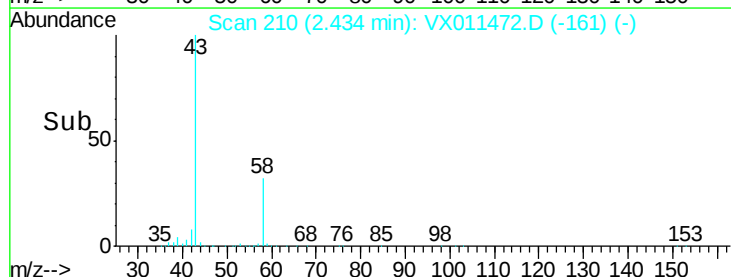
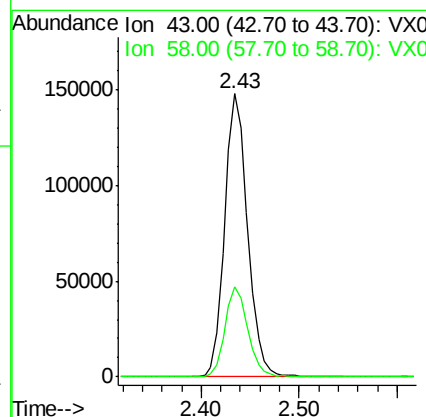
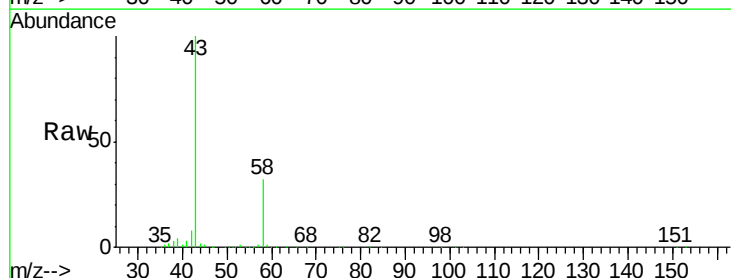
RT: 2.43 min Scan# 210

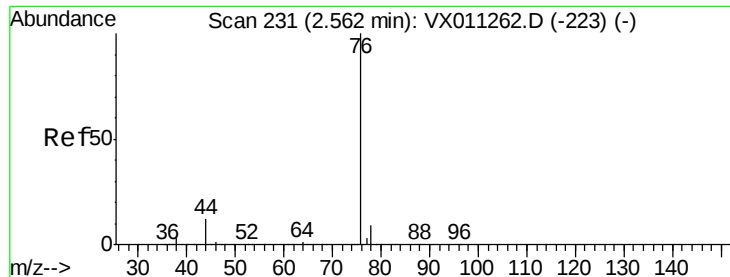
Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Tgt Ion:	43	Resp:	239462
Ion Ratio	Lower	Upper	
43	100		
58	31.6	27.4	41.0





#17

Carbon Disulfide

Concen: 47.472 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 170948

Ion Ratio Lower Upper

76 100

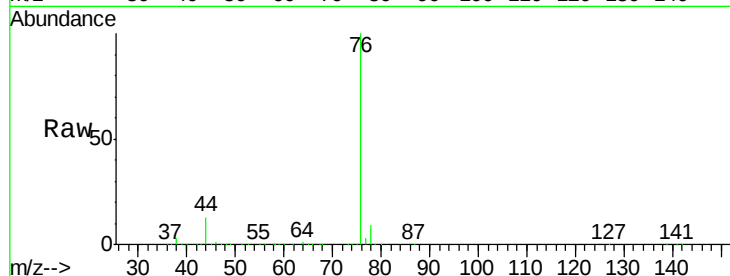
78 9.2 7.4 11.0

Manual Integrations

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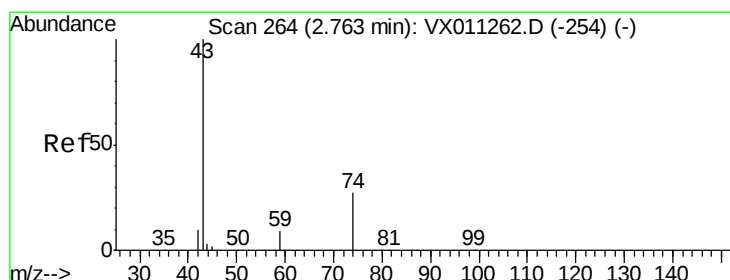
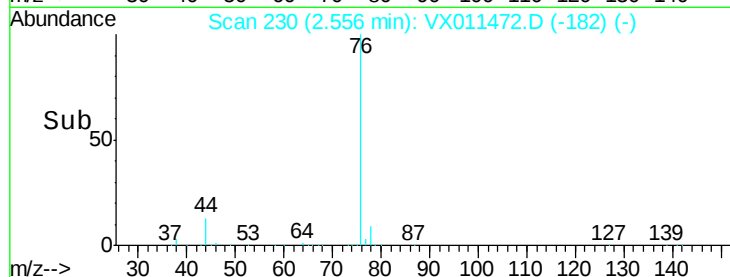
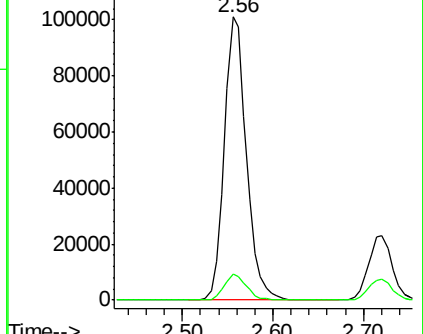
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8/14/2019 9:13:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 54.142 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011472.D

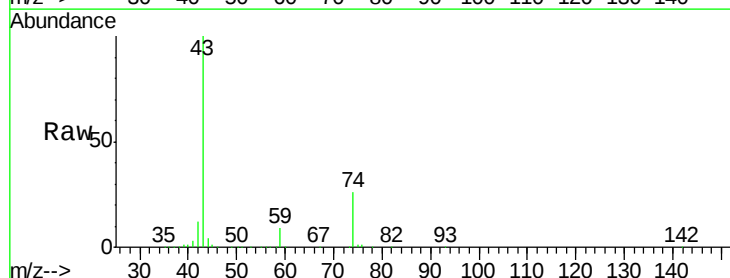
Acq: 12 Aug 2019 10:18

Tgt Ion: 43 Resp: 100030

Ion Ratio Lower Upper

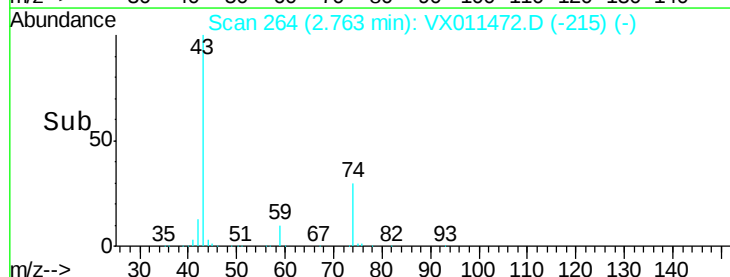
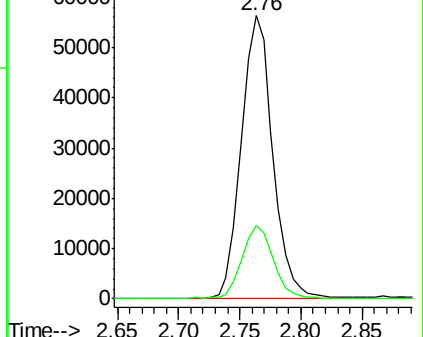
43 100

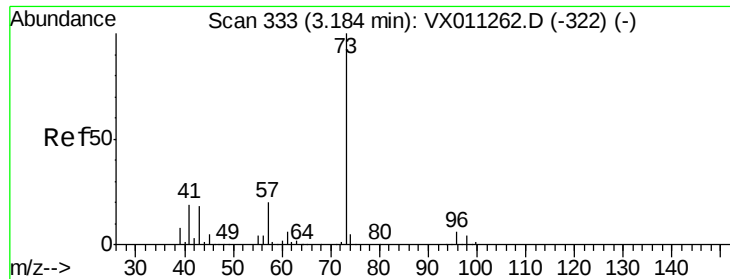
74 26.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





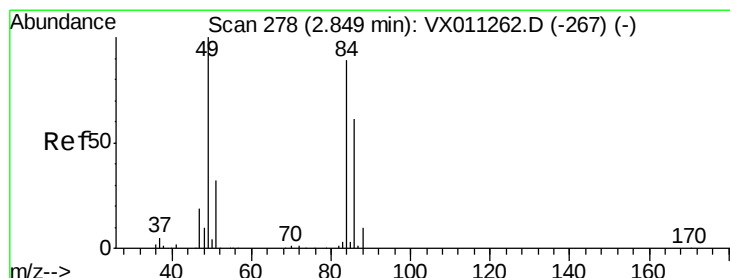
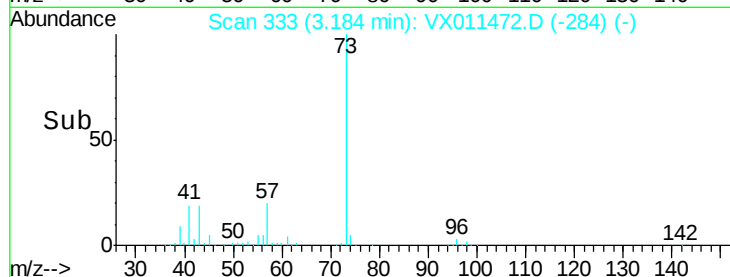
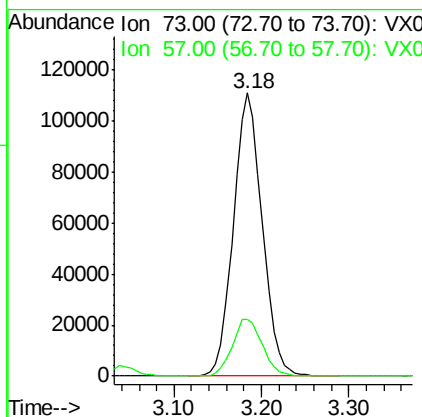
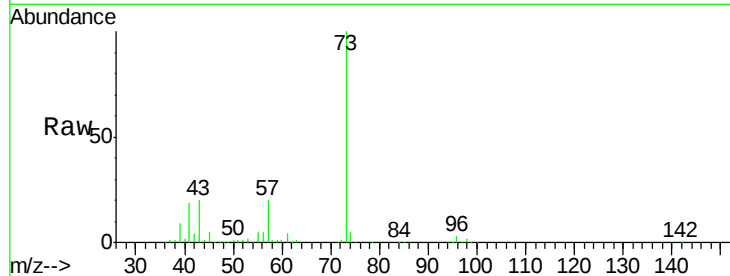
#19
Methyl tert-butyl Ether
Concen: 56.076 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	73	Resp	253586
Ion Ratio	100	Lower	Upper
73	100	16.2	24.2
57	20.0		

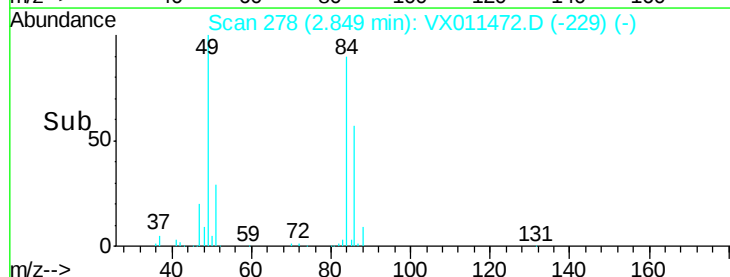
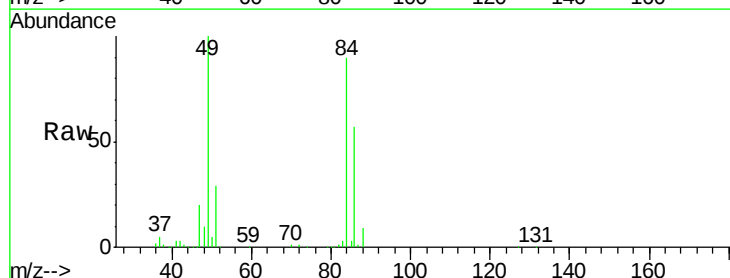
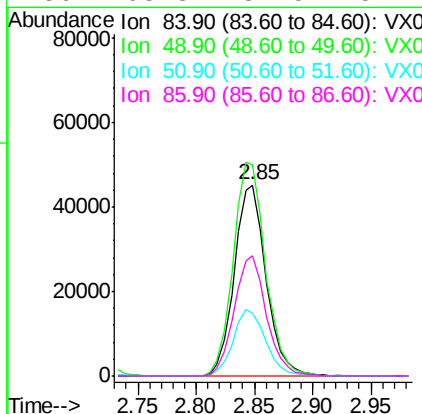
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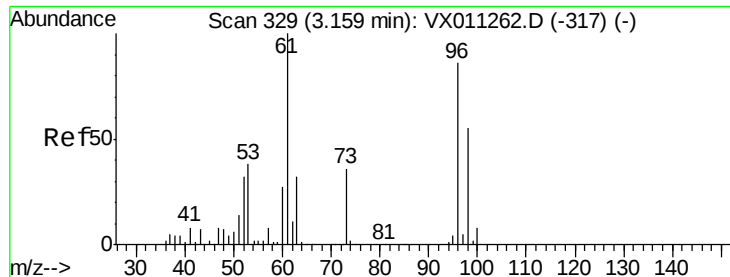
MMDadoda
8/14/2019 9:13:45 AM



#20
Methylene Chloride
Concen: 48.571 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	84	Resp	85997
Ion Ratio	100	Lower	Upper
84	100	89.3	133.9
49	110.6	28.3	42.5
51	32.7	54.5	81.7
86	63.3		





#21

trans-1,2-Dichloroethene

Concen: 49.691 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

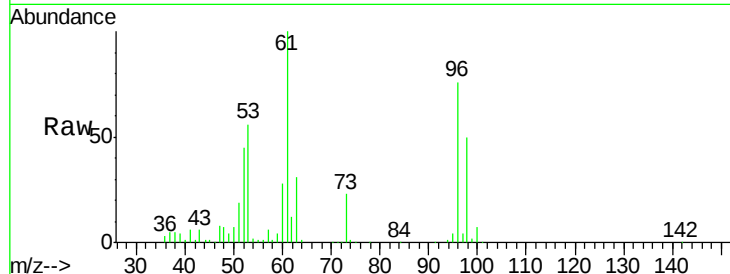
ClientSampleId :

VSTDCCC050

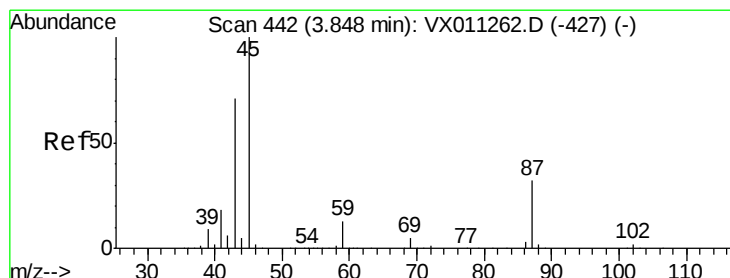
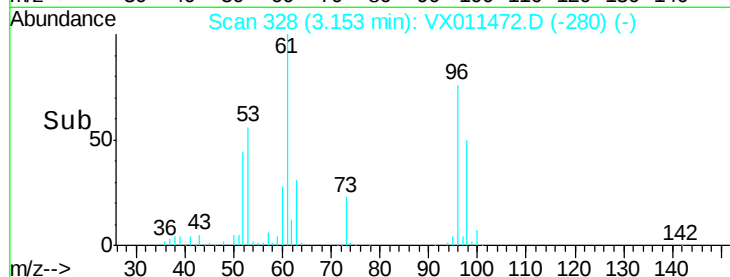
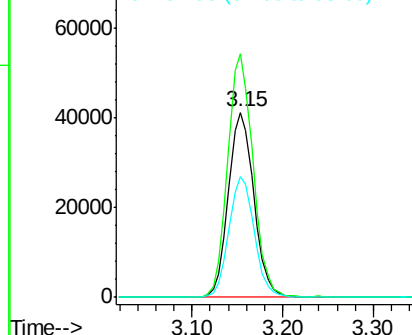
Tot Ion:	96	Resp:	80662
Ion	Ratio	Lower	Upper
96	100		
61	131.8	92.8	139.2
98	65.4	51.2	76.8

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.355 ug/l

RT: 3.84 min Scan# 441

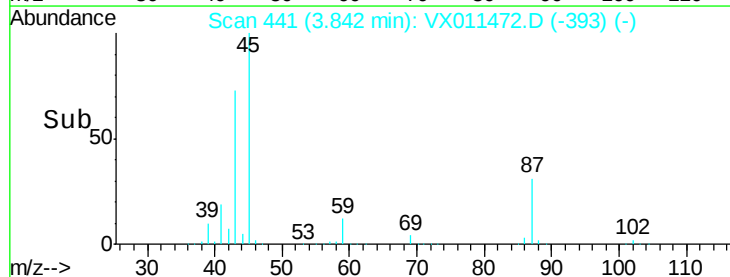
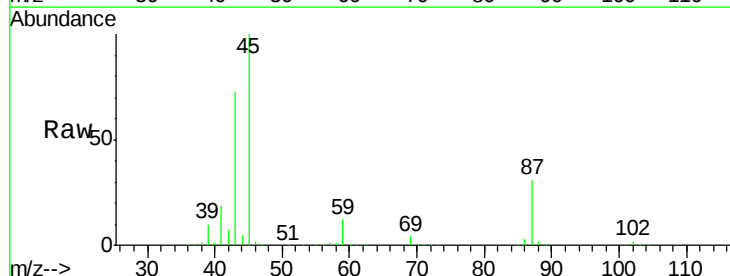
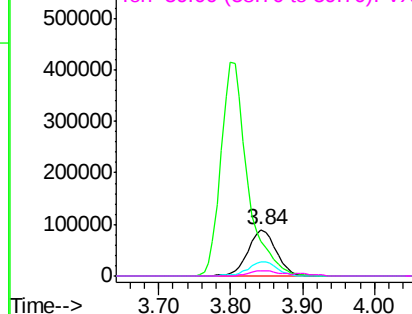
Delta R.T. -0.01 min

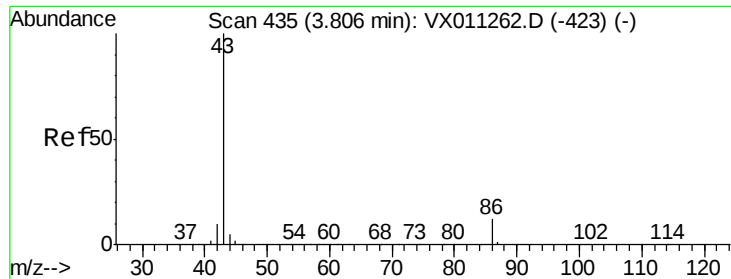
Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Tgt Ion:	45	Resp:	244394
Ion	Ratio	Lower	Upper
45	100		
43	73.3	56.8	85.2
87	31.5	25.8	38.6
59	12.3	10.3	15.5

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 286.107 ug/l

RT: 3.80 min Scan# 434

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1066950

Ion Ratio Lower Upper

43 100

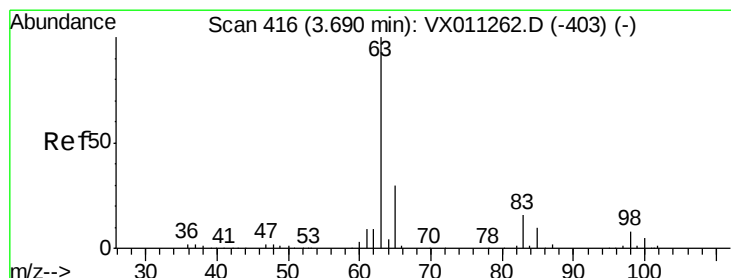
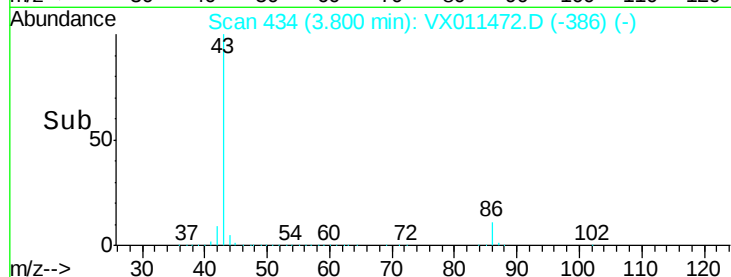
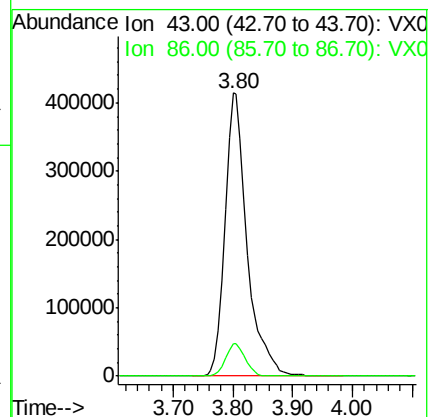
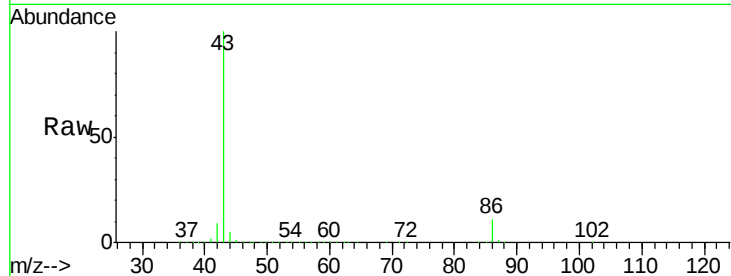
86 11.4 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.599 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

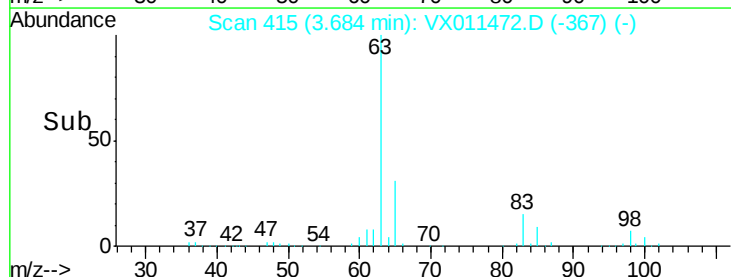
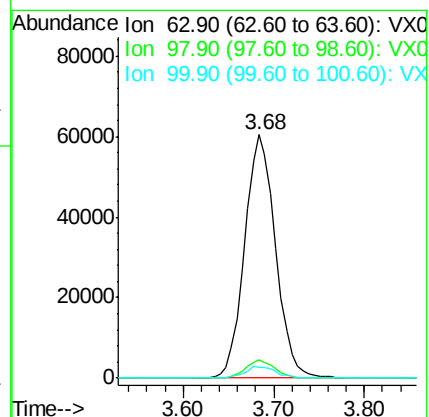
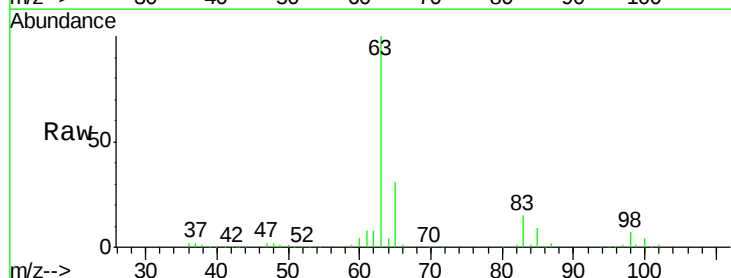
Tgt Ion: 63 Resp: 142103

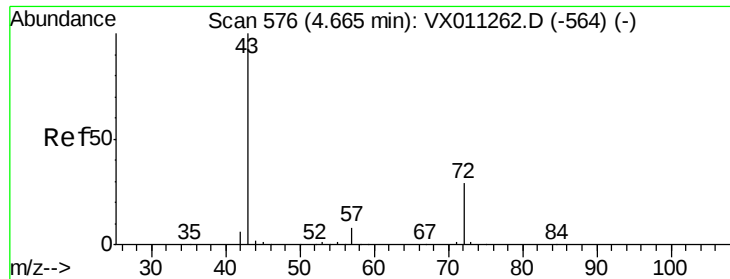
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 4.3 2.7 8.1





#25

2-Butanone

Concen: 276.410 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 317880

Ion Ratio Lower Upper

43 100

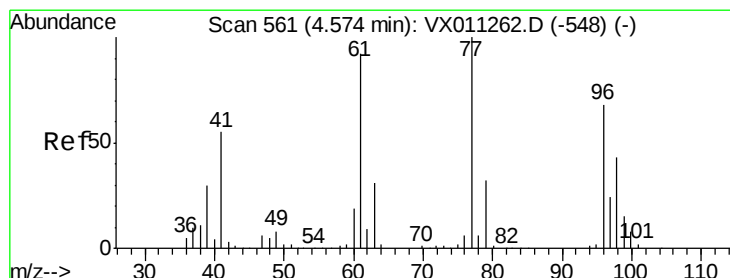
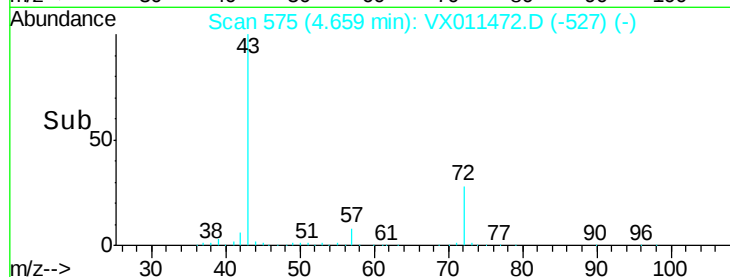
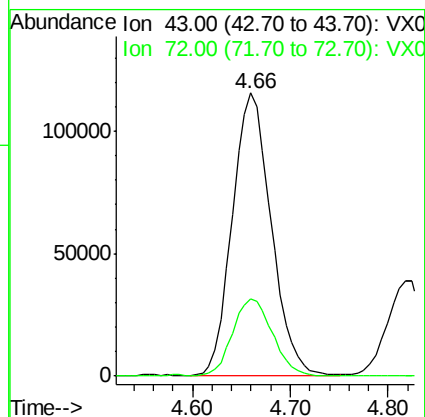
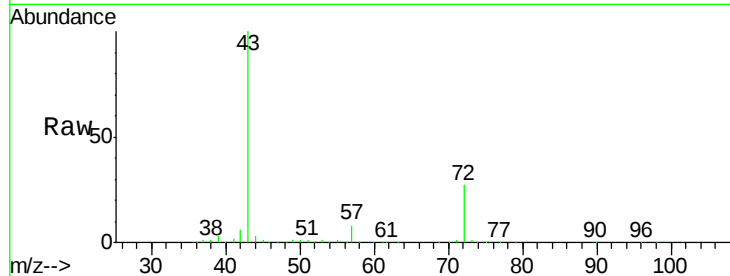
72 27.4 23.2 34.8

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#26

2,2-Dichloropropane

Concen: 60.228 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX011472.D

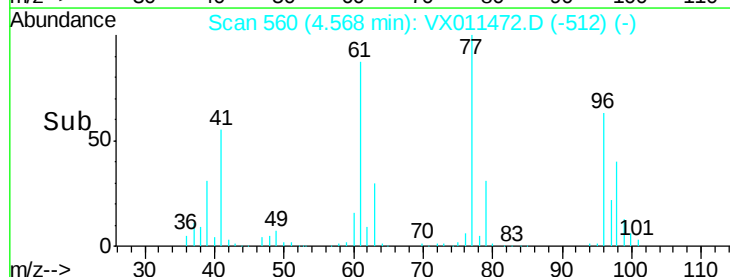
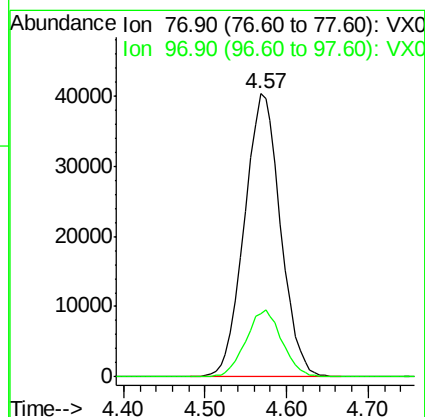
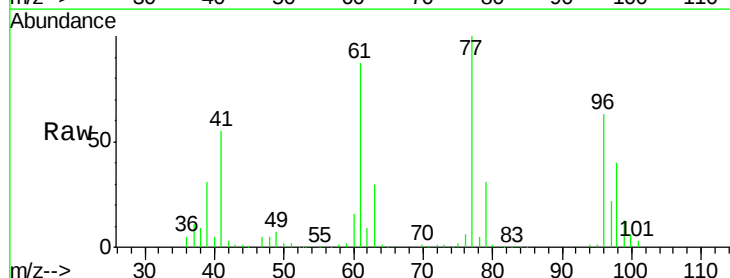
Acq: 12 Aug 2019 10:18

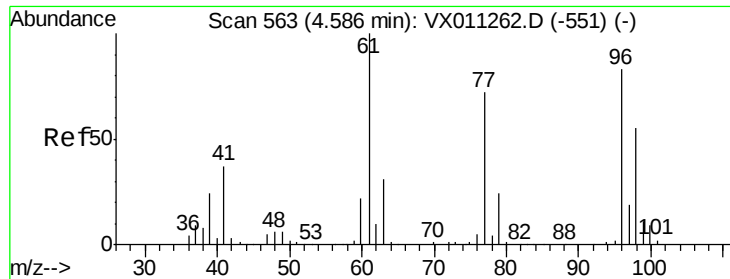
Tgt Ion: 77 Resp: 124127

Ion Ratio Lower Upper

77 100

97 23.5 12.8 38.4





#27

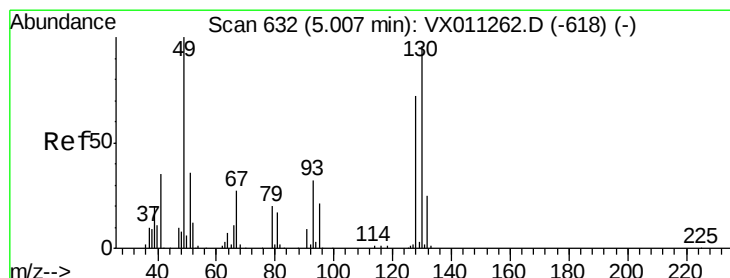
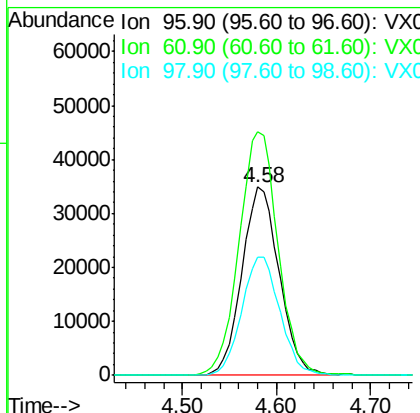
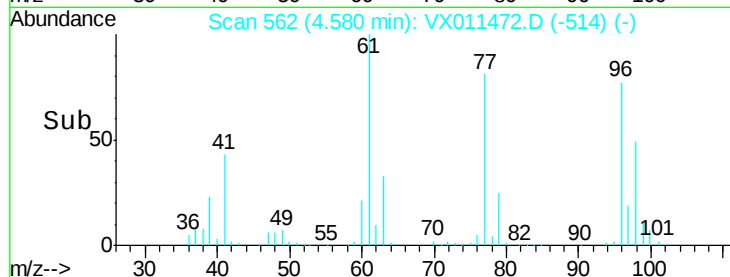
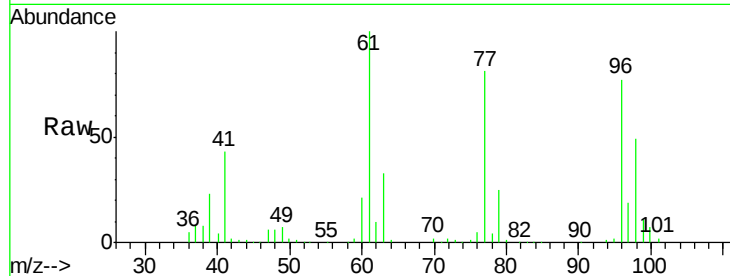
cis-1,2-Dichloroethene
Concen: 51.889 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.6	0.0	260.2	
98	64.7	0.0	133.2	

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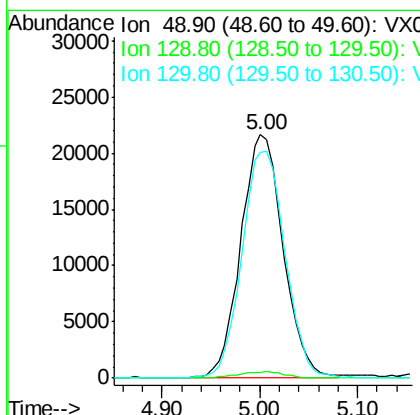
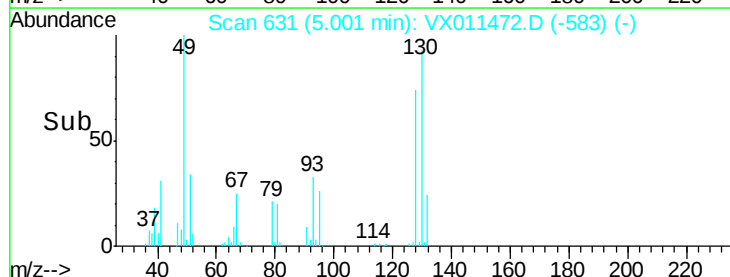
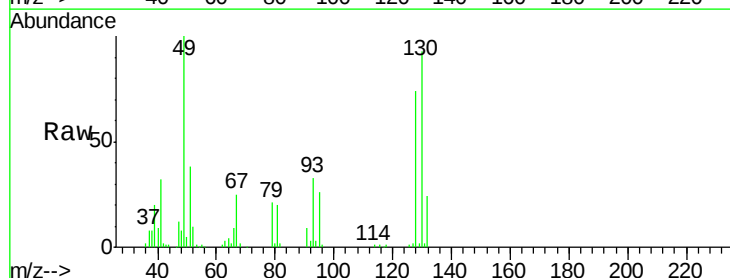
MMDadoda
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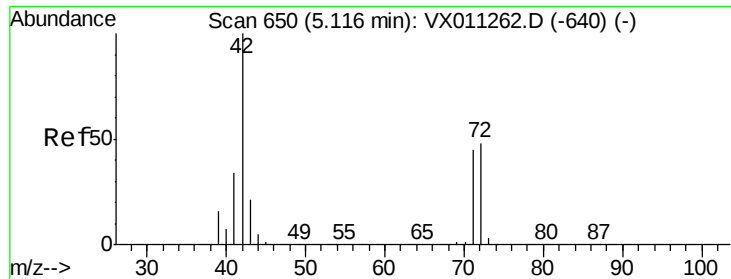


#28

Bromochloromethane
Concen: 53.934 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	5.8	
130	94.9	77.9	116.9	





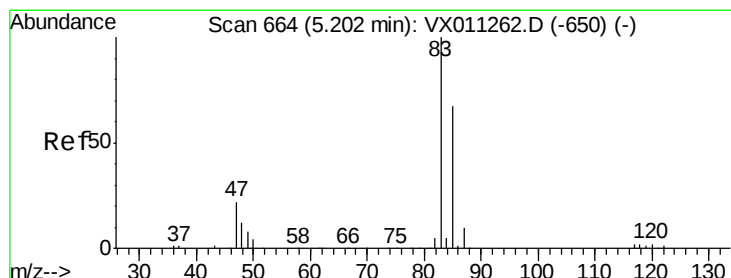
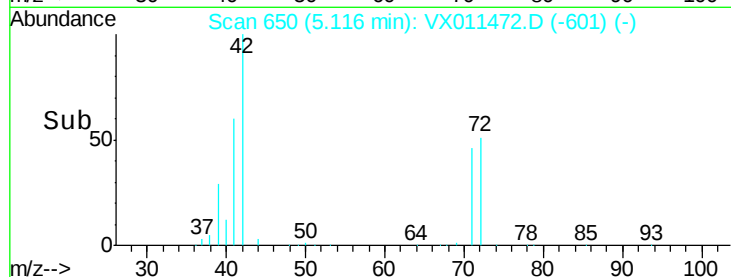
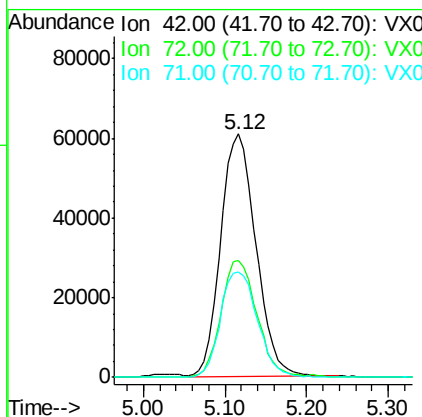
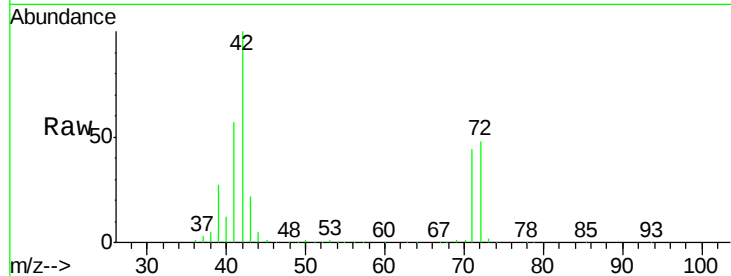
#29
Tetrahydrofuran
Concen: 259.200 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	39.9	59.9
71	46.0	36.9	55.3

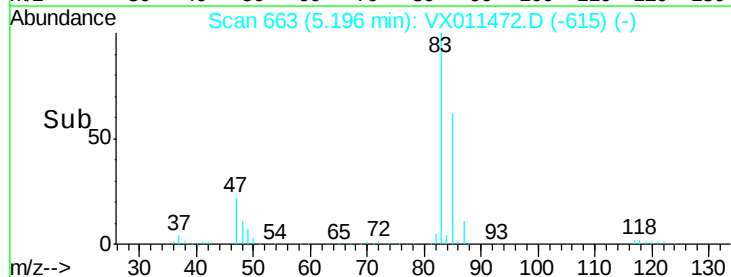
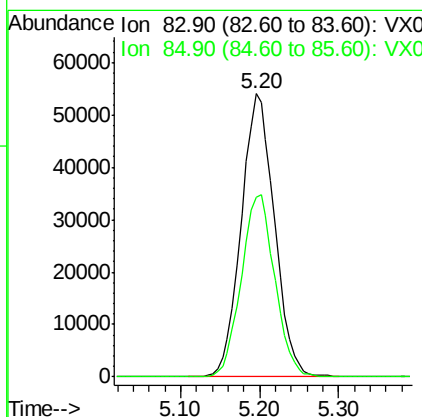
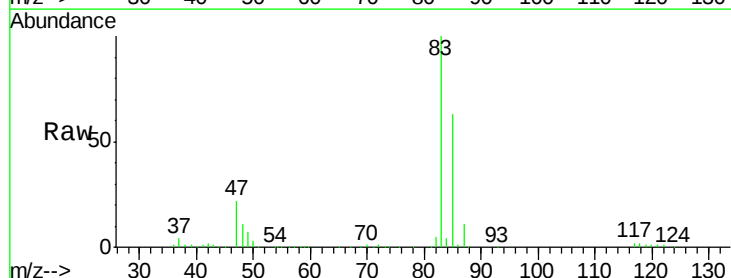
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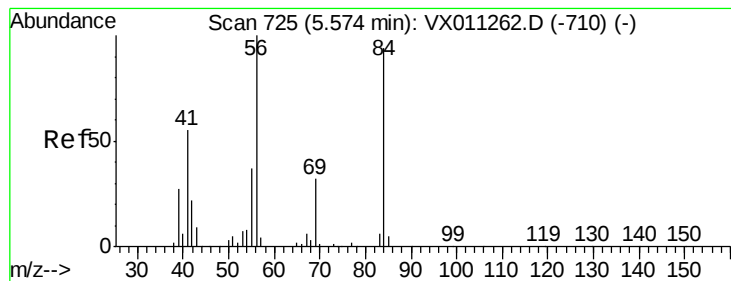
MMDadoda
8/14/2019 9:13:45 AM



#30
Chloroform
Concen: 54.996 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.4	80.0





#31

Cyclohexane

Concen: 51.967 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

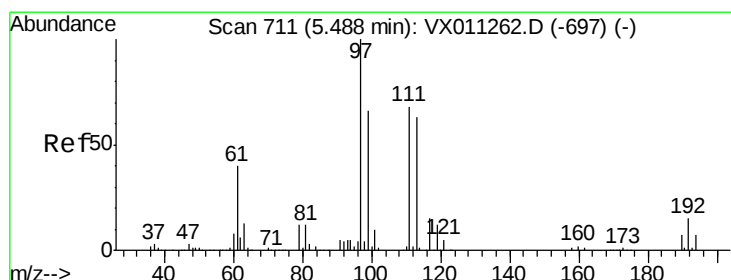
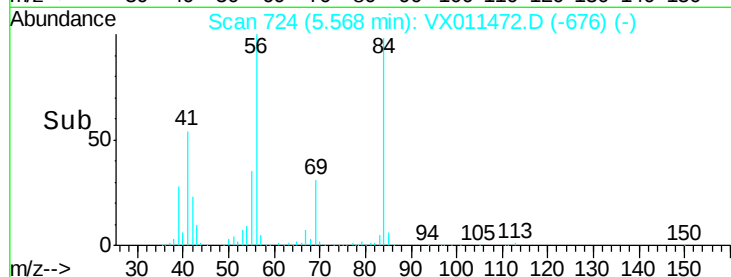
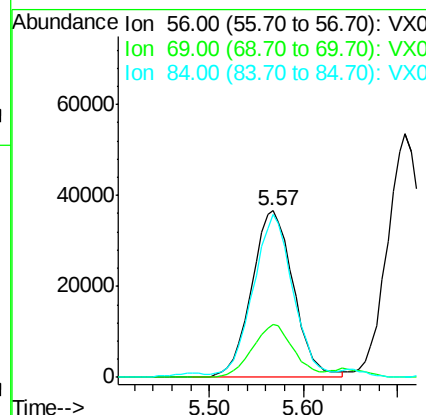
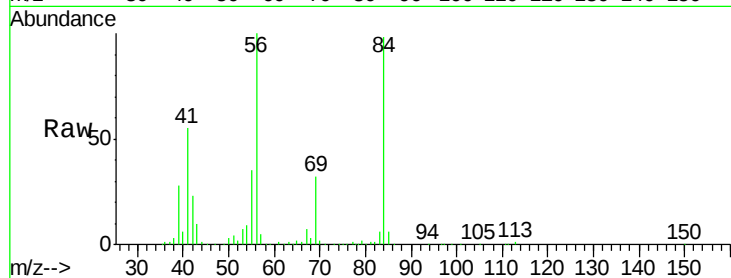
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	113668
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.5	38.3
84	95.6	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.362 ug/l

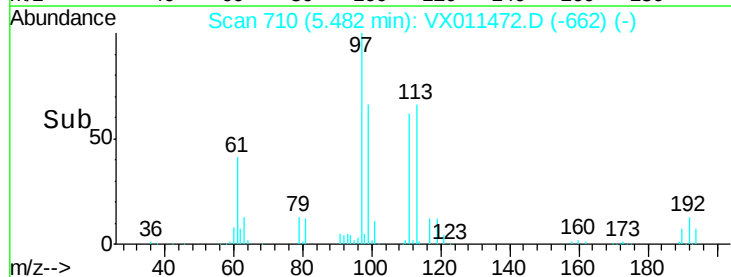
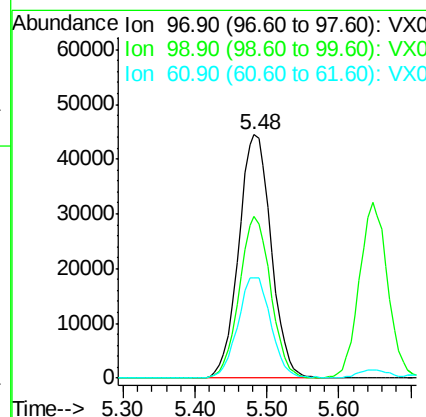
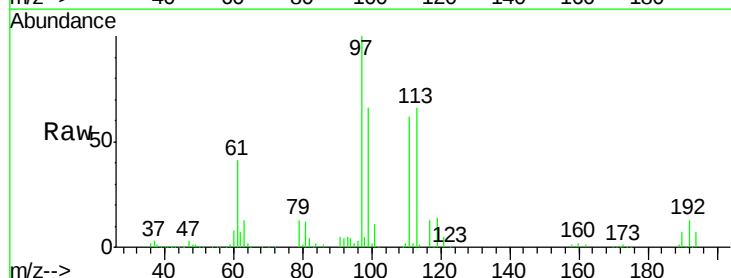
RT: 5.48 min Scan# 710

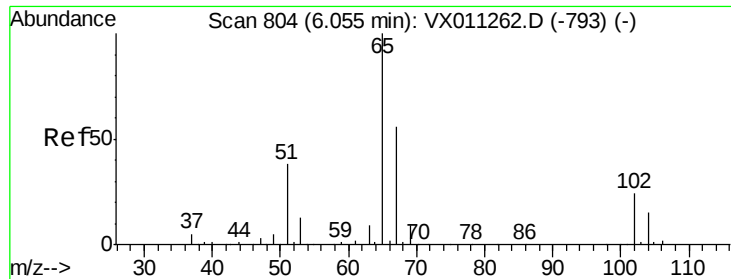
Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Tgt Ion:	97	Resp:	139127
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	42.2	32.3	48.5





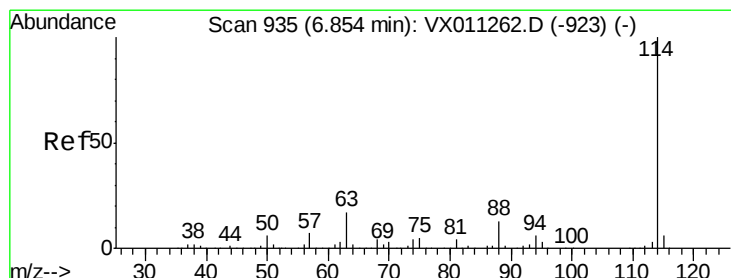
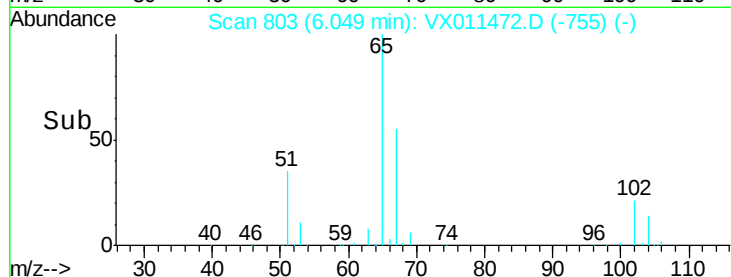
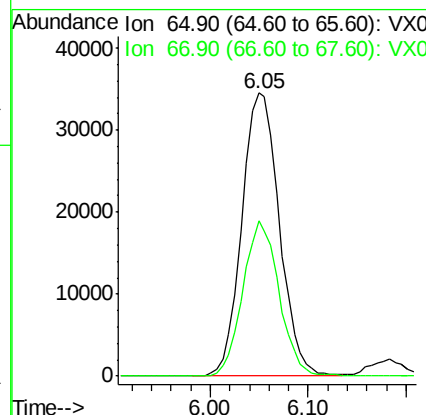
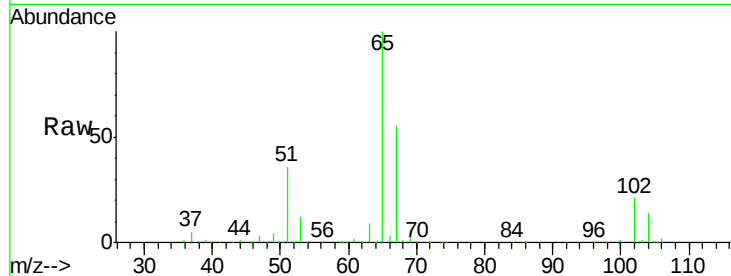
#33
 1,2-Dichloroethane-d4
 Concen: 54.035 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 91779
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 110.6

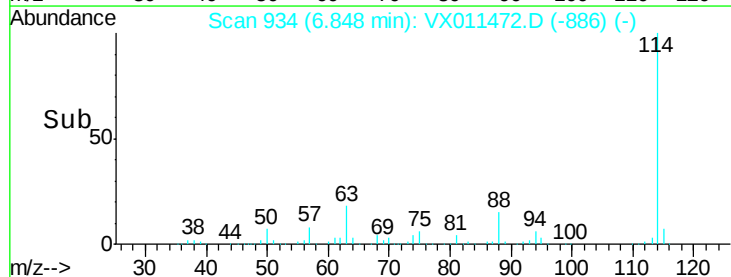
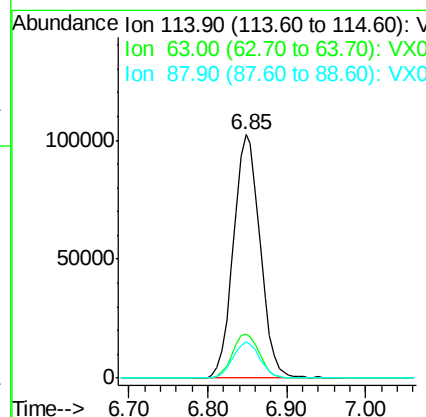
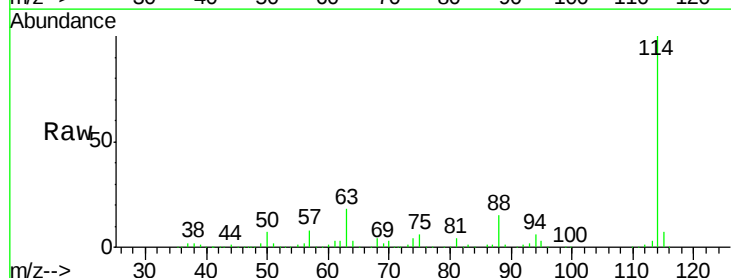
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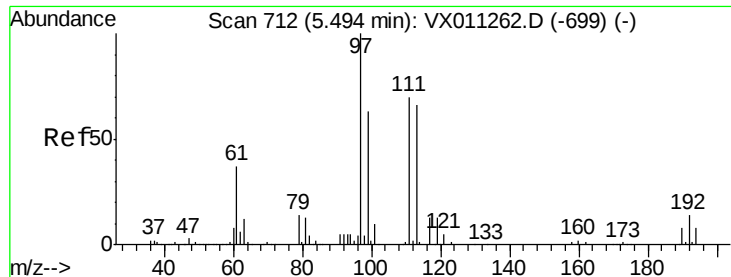
MMDadoda
 8/14/2019 9:13:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion: 114 Resp: 241288
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.0
 88 15.0 0.0 26.4





#35

Dibromofluoromethane

Concen: 51.737 ug/l

RT: 5.48 min Scan# 710

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

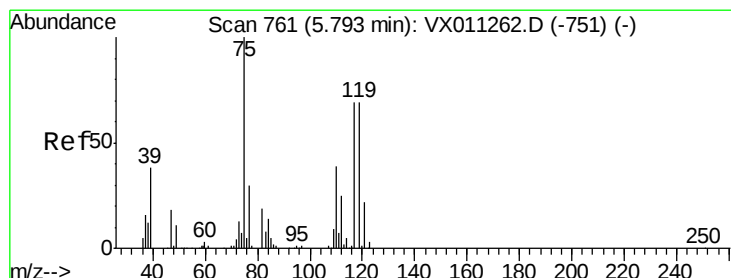
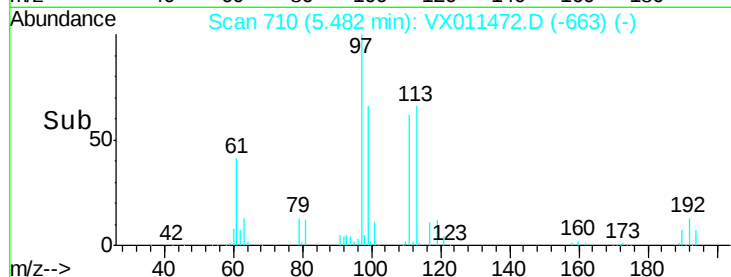
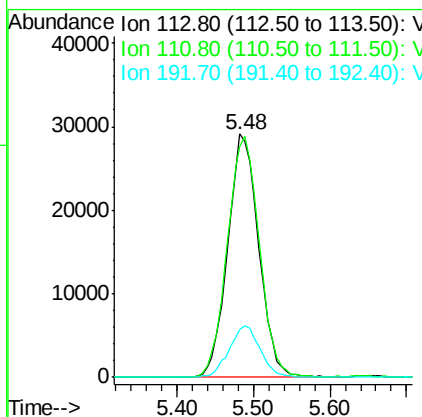
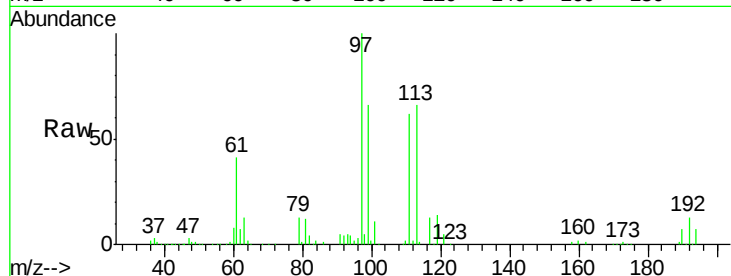
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	81502
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.9	122.9
192	21.3	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 52.344 ug/l

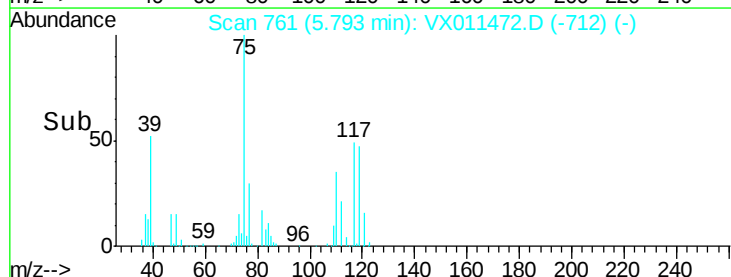
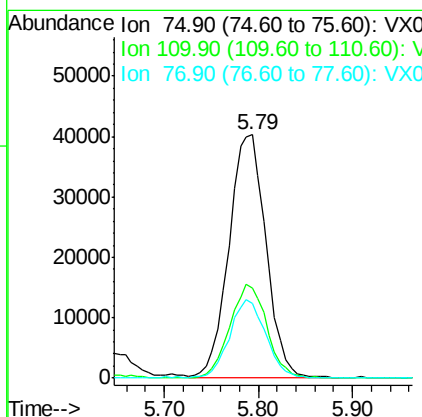
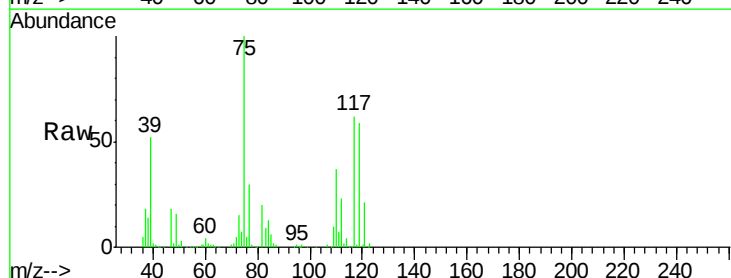
RT: 5.79 min Scan# 761

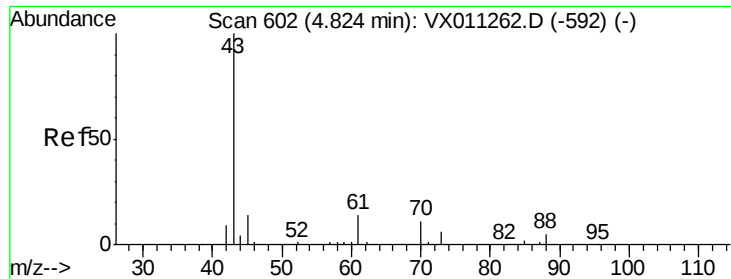
Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Tgt Ion:	75	Resp:	110272
Ion	Ratio	Lower	Upper
75	100		
110	38.7	20.0	59.9
77	31.7	24.8	37.2





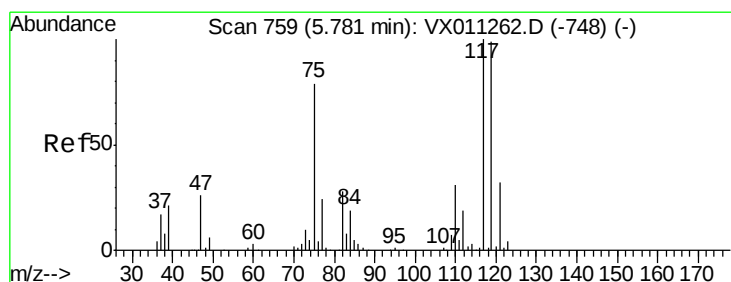
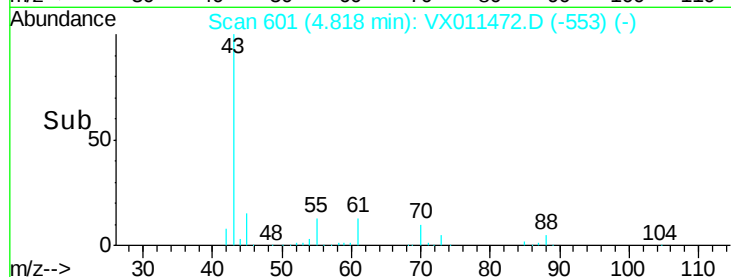
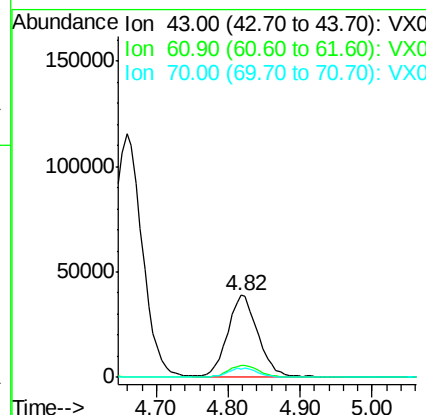
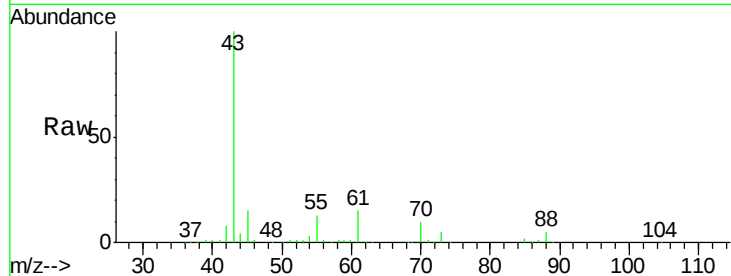
#37
Ethyl Acetate
Concen: 53.762 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.6	18.8
70	11.4	9.1	13.7

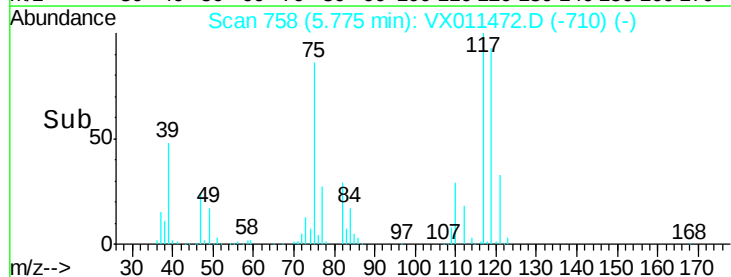
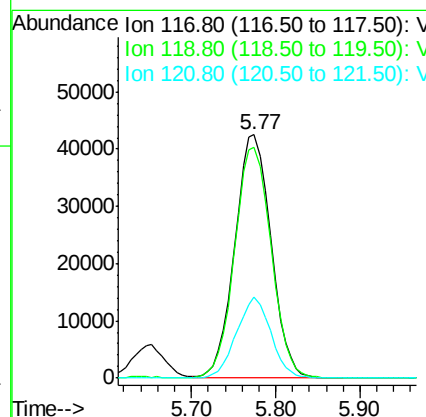
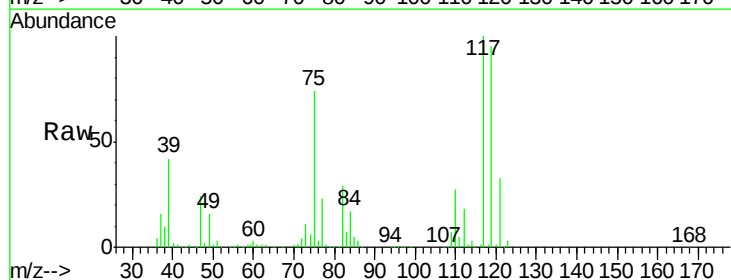
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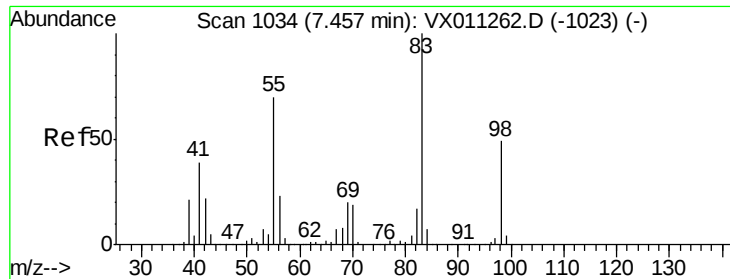
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#38
Carbon Tetrachloride
Concen: 58.464 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	79.0	118.4
121	33.3	25.9	38.9





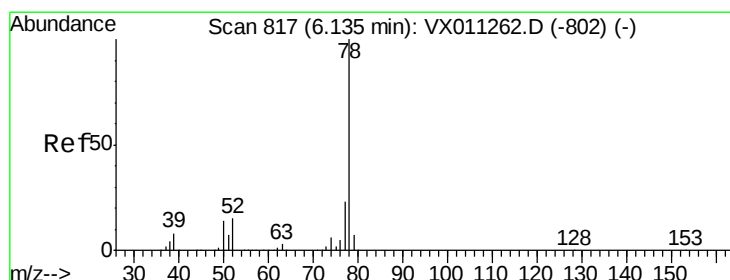
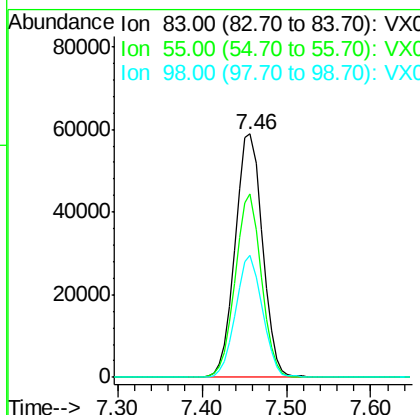
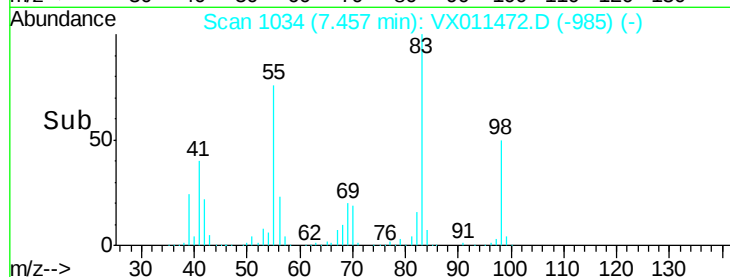
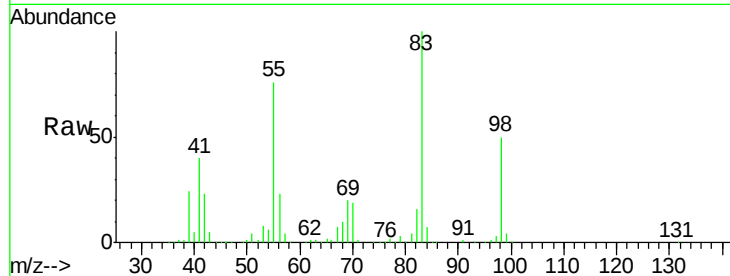
#39
Methvlcvclohexane
Concen: 51.531 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.6	56.1	84.1	
98	50.2	39.0	58.4	

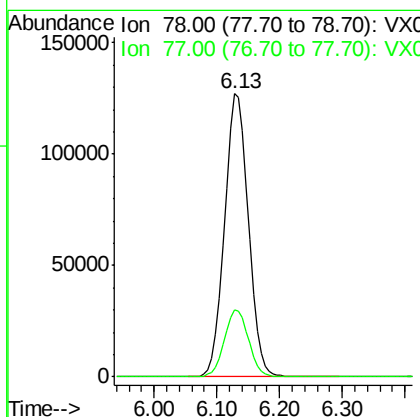
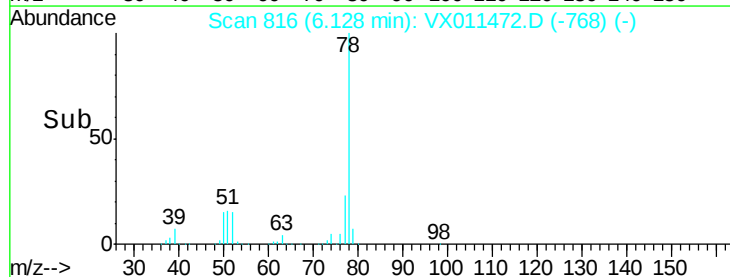
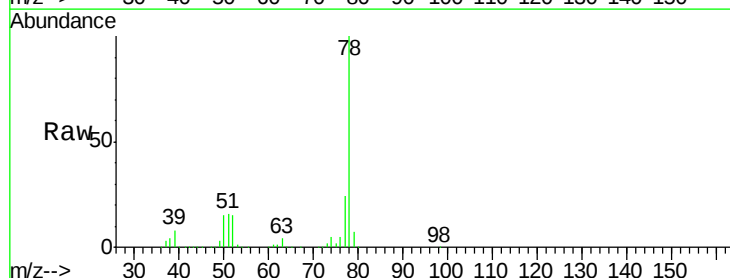
Manual Integrations
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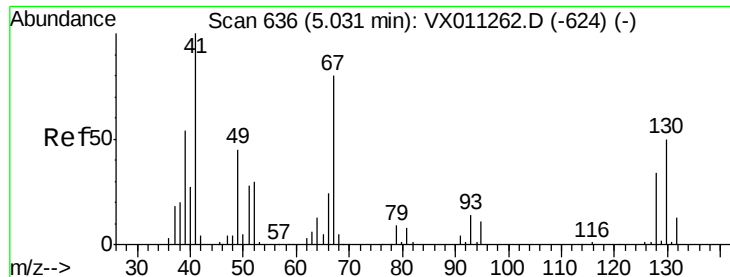
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#40
Benzene
Concen: 53.165 ug/l
RT: 6.13 min Scan# 816
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.2	27.2	





#41

Methacrylonitrile

Concen: 55.507 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 64058
Ion Ratio Lower Upper

41 100

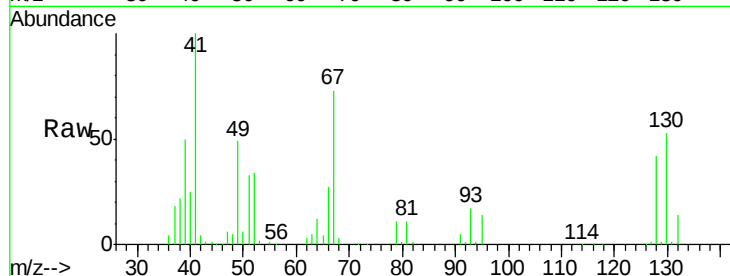
39 55.6 43.0 64.6

67 76.7 65.1 97.7

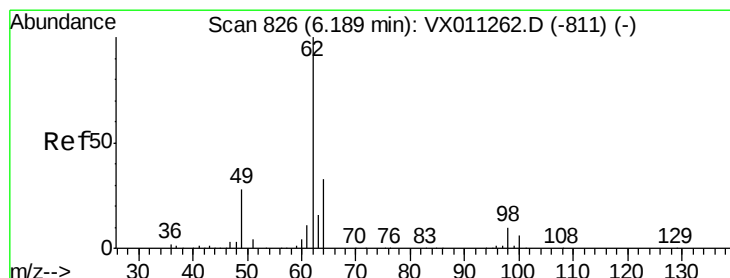
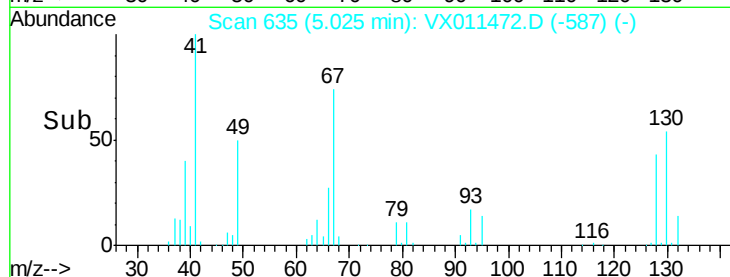
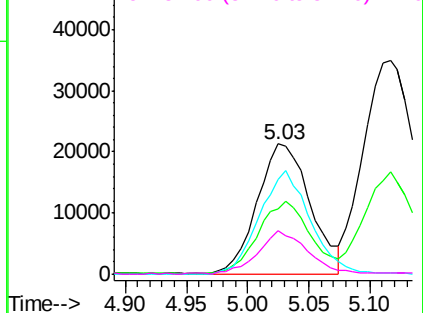
52 30.7 24.8 37.2

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 58.564 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

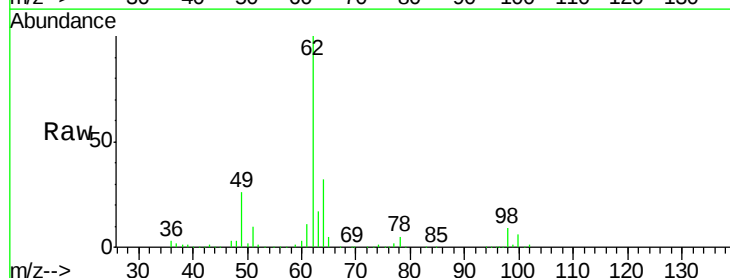
Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

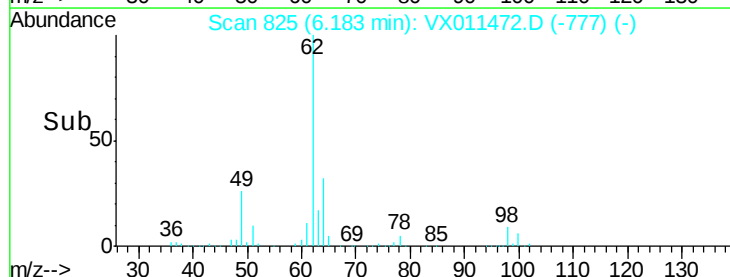
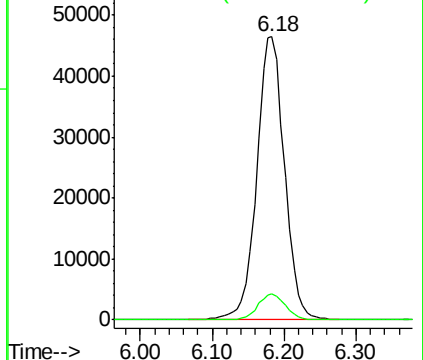
Tgt Ion: 62 Resp: 124493
Ion Ratio Lower Upper

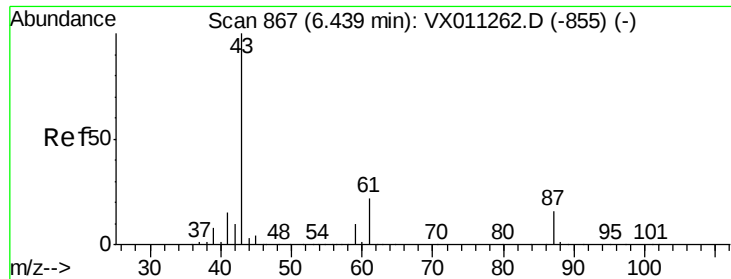
62 100

98 9.1 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





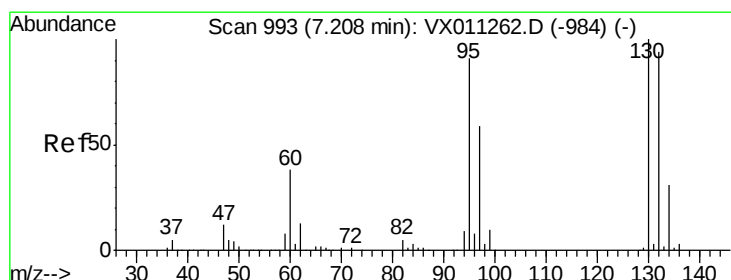
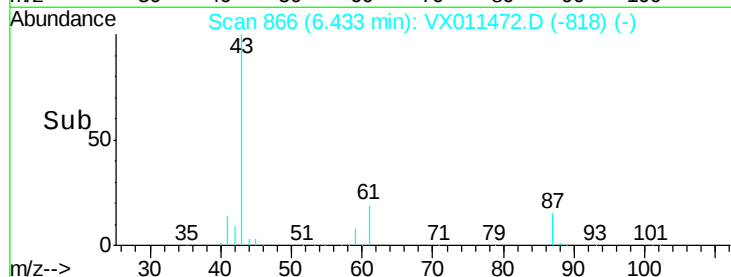
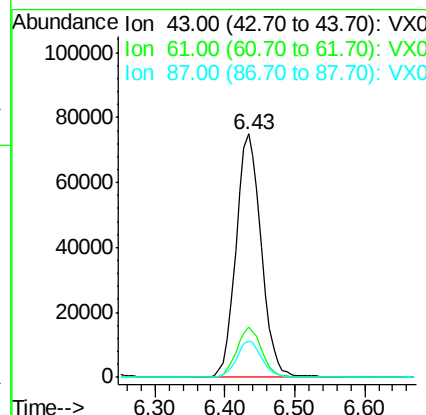
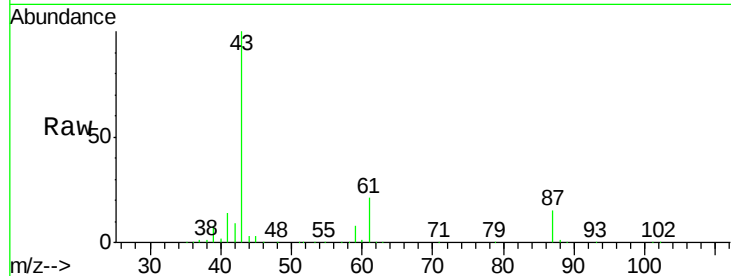
#43
Isopropyl Acetate
Concen: 55.122 ug/l
RT: 6.43 min Scan# 866
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.5	24.7
87	14.8	12.1	18.1

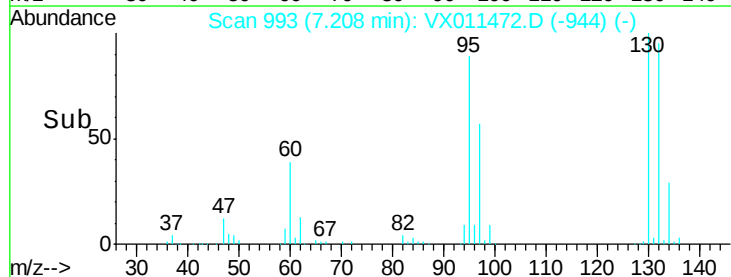
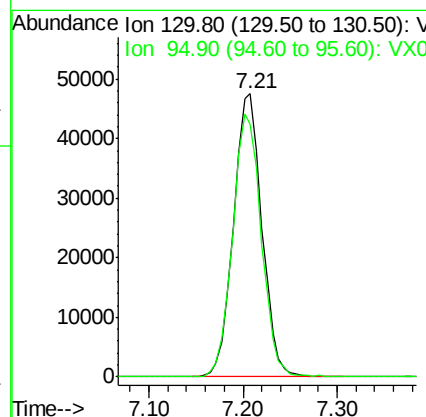
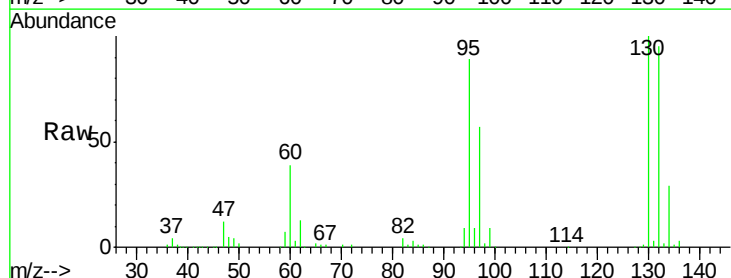
Manual Integrations
APPROVED

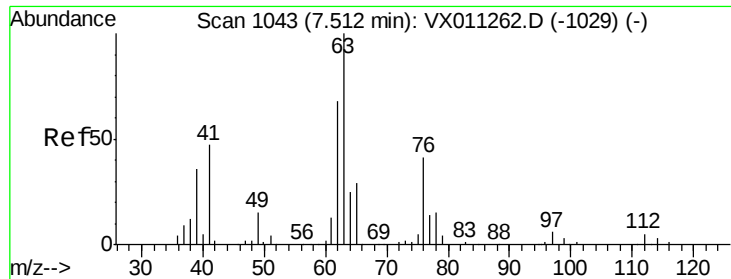
MMDadoda
8/14/2019 9:13:45 AM



#44
Trichloroethene
Concen: 52.284 ug/l
RT: 7.21 min Scan# 993
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	182.6





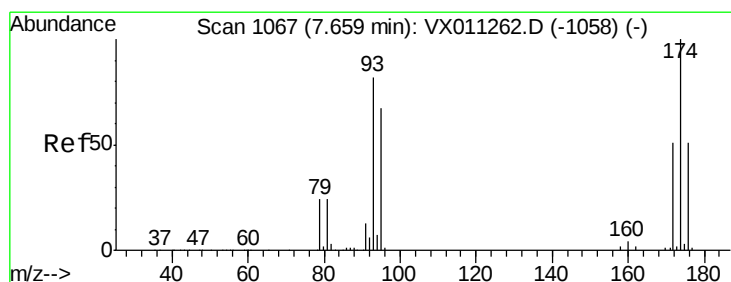
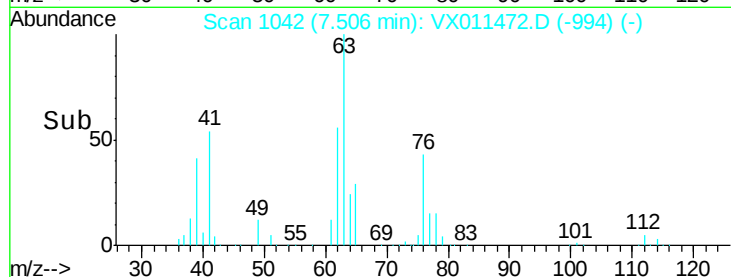
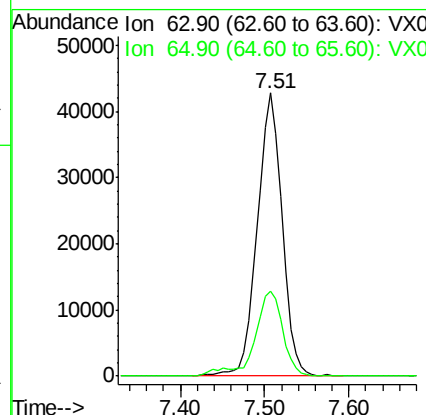
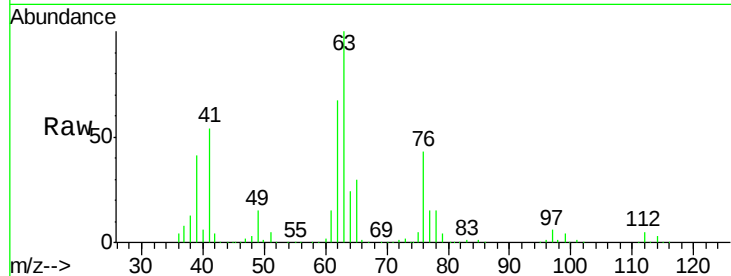
#45
 1,2-Dichloropropane
 Concen: 52.918 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 86155
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.3 34.9

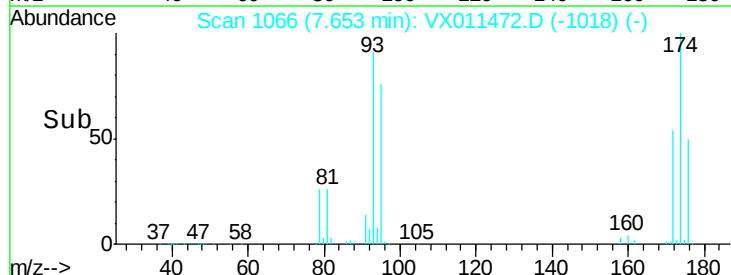
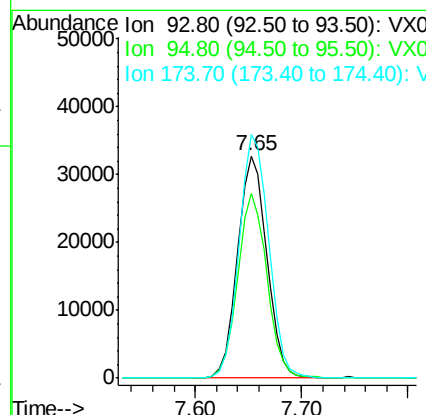
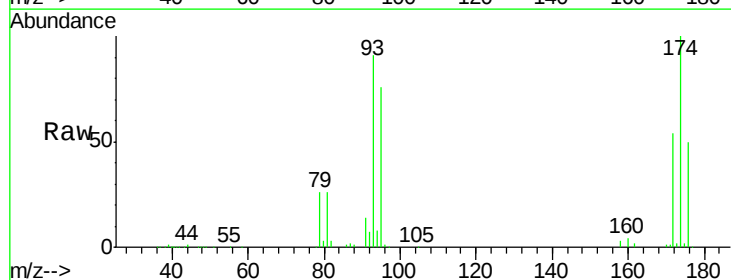
Manual Integrations
 APPROVED

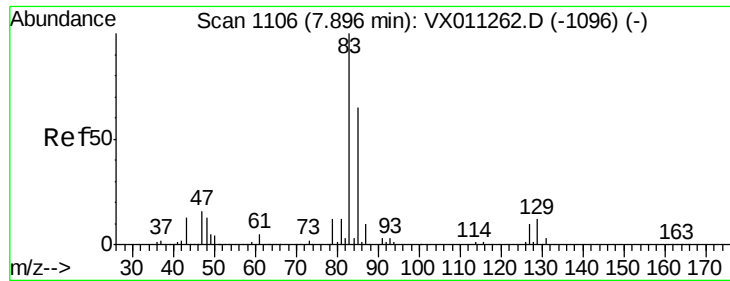
MMDadoda
 8/14/2019 9:13:45 AM



#46
 Dibromomethane
 Concen: 53.423 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion: 93 Resp: 63495
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.4 99.6
 174 110.9 93.4 140.2





#47

Bromodichloromethane

Concen: 59.087 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

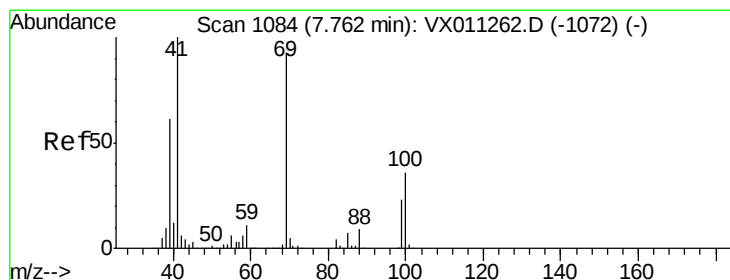
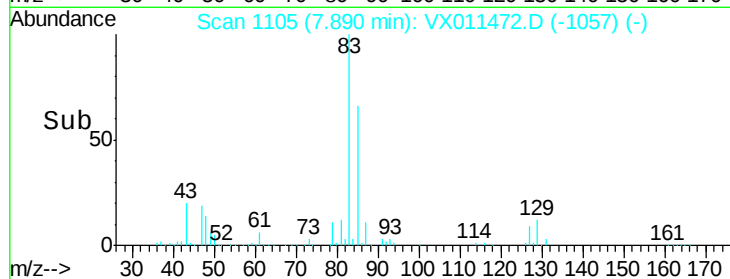
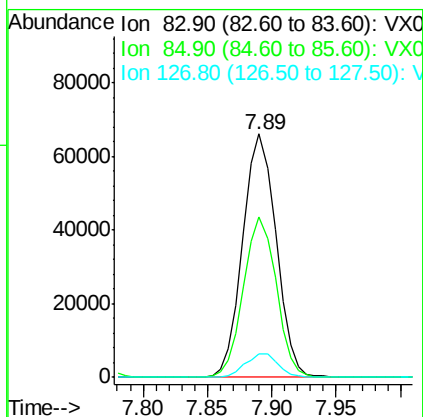
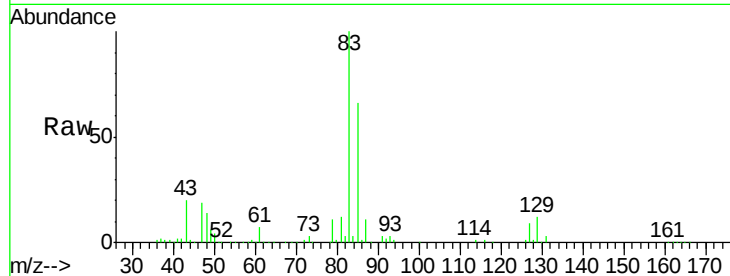
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	118899
Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.2	78.2
127	9.5	7.8	11.8

Manual Integrations
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MMDadoda
8/14/2019 9:13:45 AM



#48

Methyl methacrylate

Concen: 57.551 ug/l

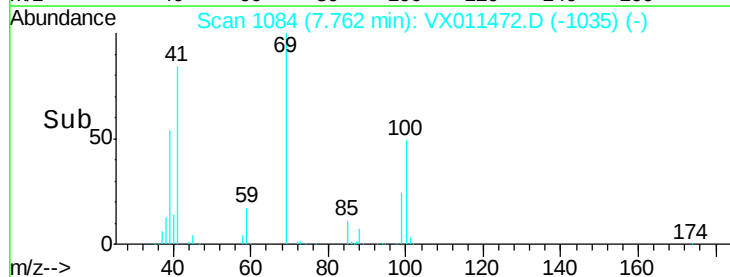
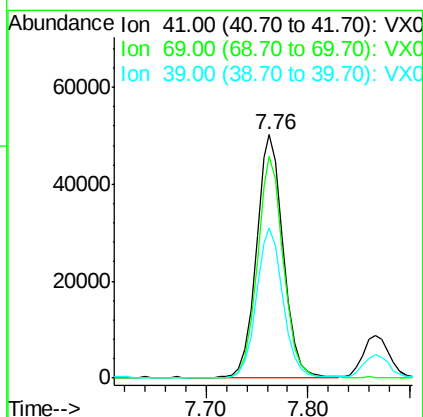
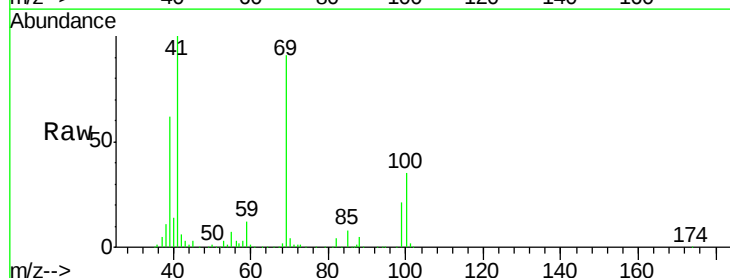
RT: 7.76 min Scan# 1084

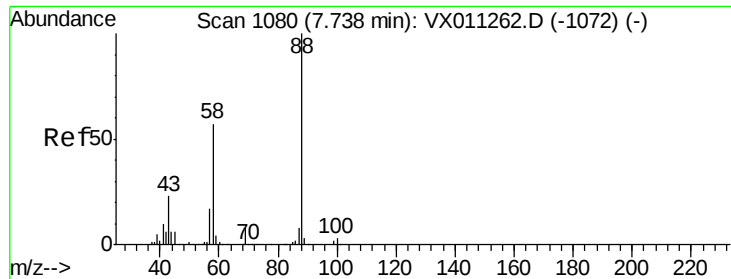
Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Tgt Ion:	41	Resp:	91502
Ion	Ratio	Lower	Upper
41	100		
69	88.9	74.5	111.7
39	61.0	48.6	72.8





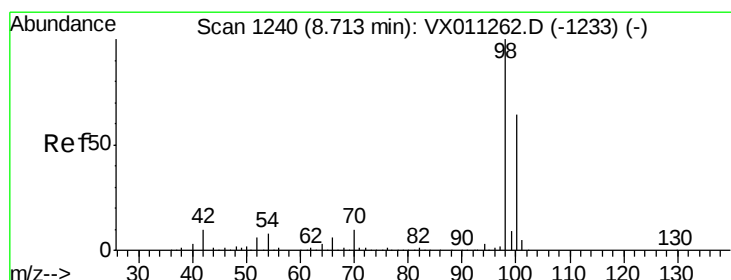
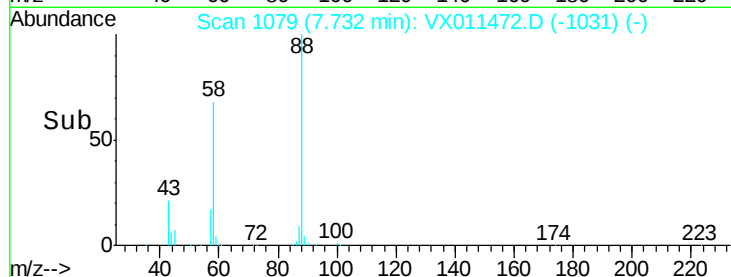
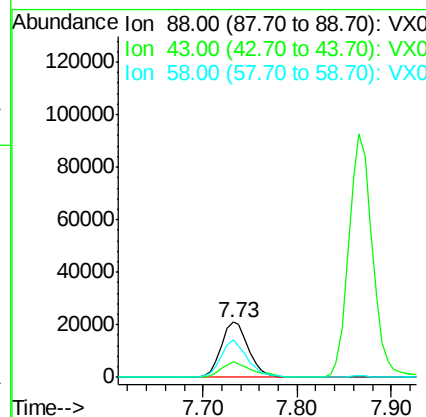
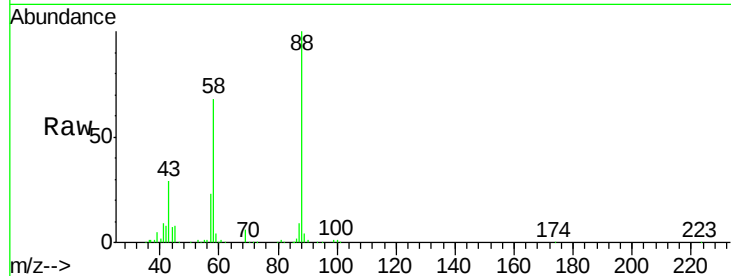
#49
1,4-Dioxane
Concen: 919.519 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	22.2	33.2
58	65.4	47.8	71.8

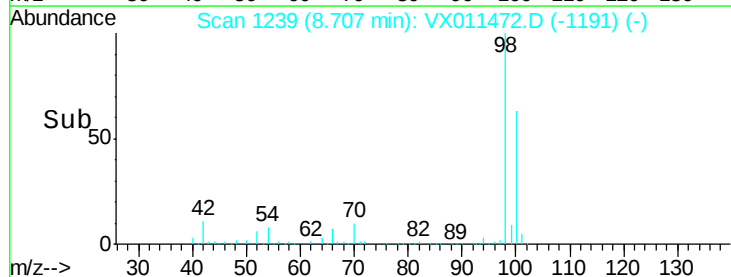
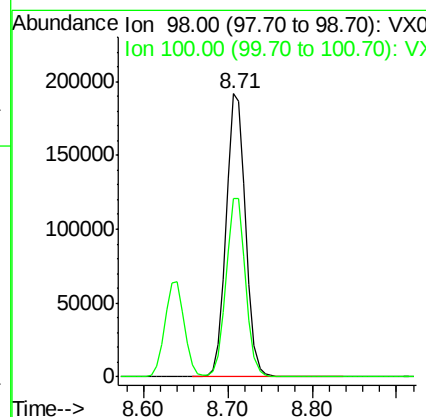
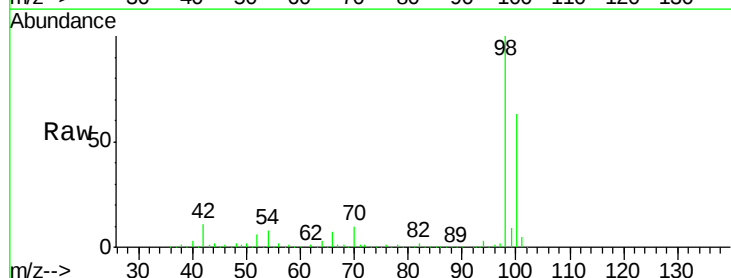
Manual Integrations
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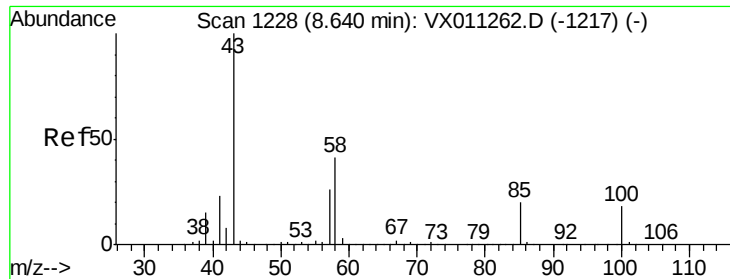
MMDadoda
8/14/2019 9:13:45 AM



#50
Toluene-d8
Concen: 51.213 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 283.441 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 617990

Ion Ratio Lower Upper

43 100

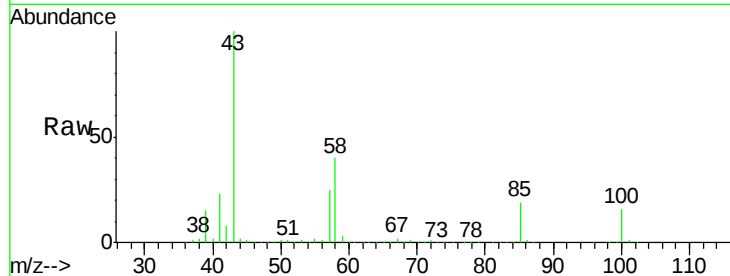
58 40.1 32.3 48.5

Manual Integrations

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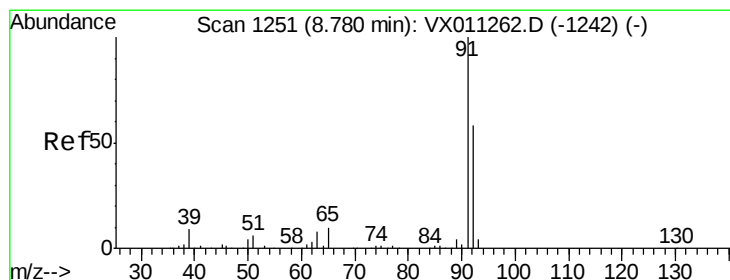
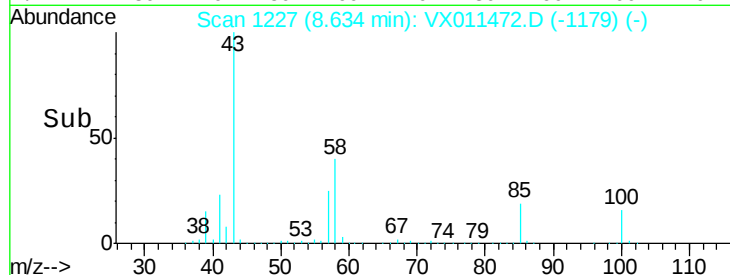
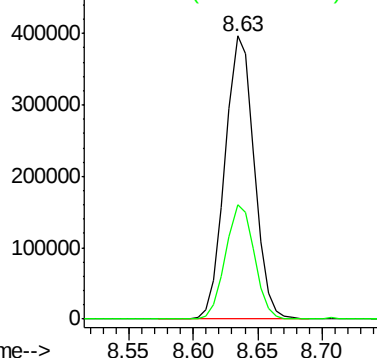
MMDadoda

8/14/2019 9:13:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 54.734 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011472.D

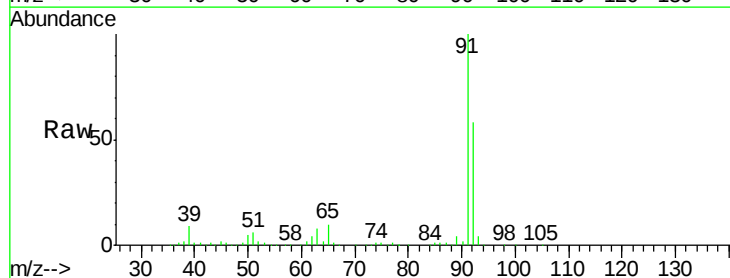
Acq: 12 Aug 2019 10:18

Tgt Ion: 92 Resp: 227498

Ion Ratio Lower Upper

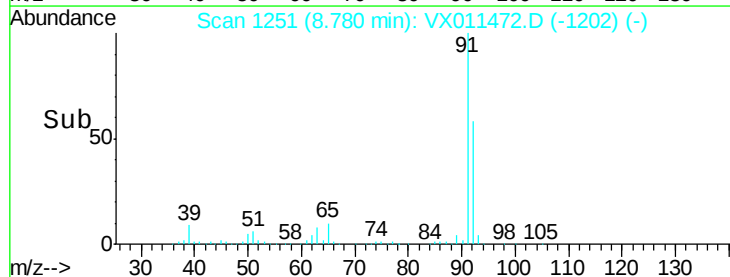
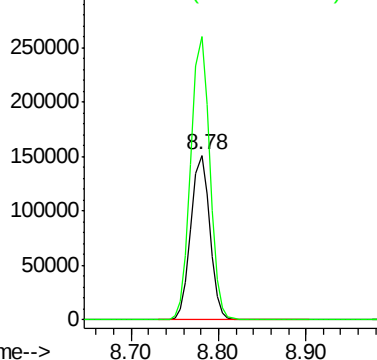
92 100

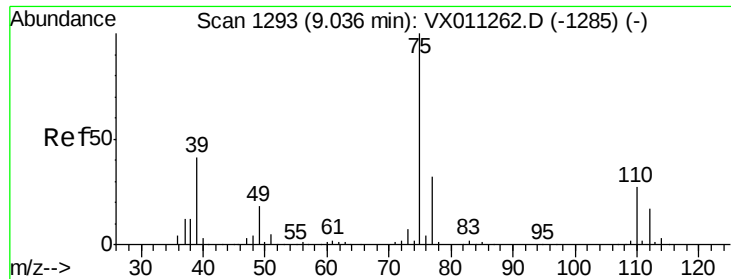
91 172.2 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





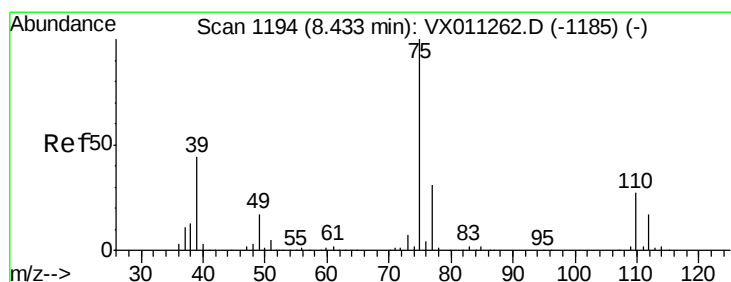
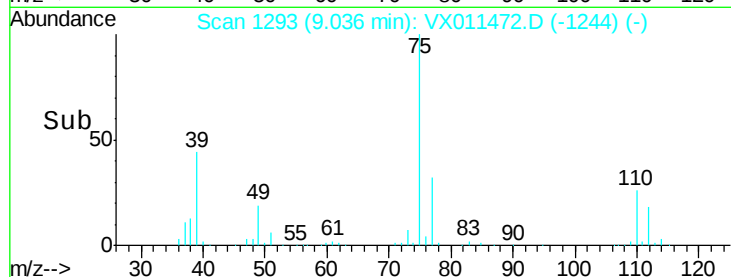
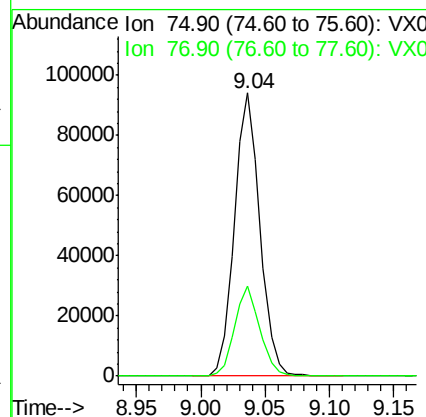
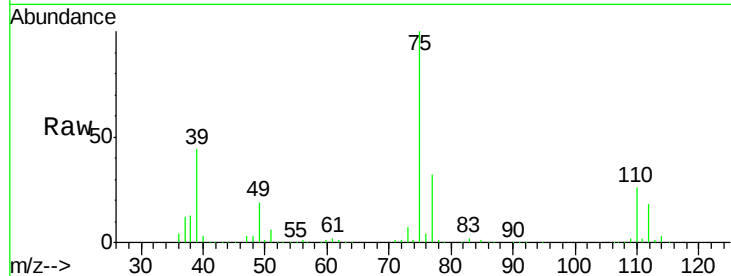
#53
t-1,3-Dichloropropene
Concen: 55.268 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 130261
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

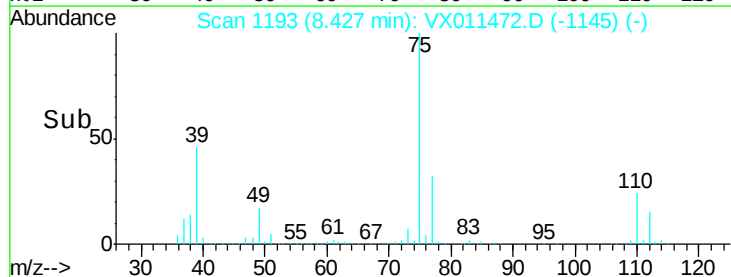
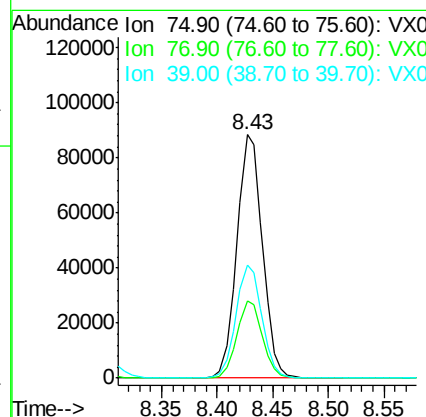
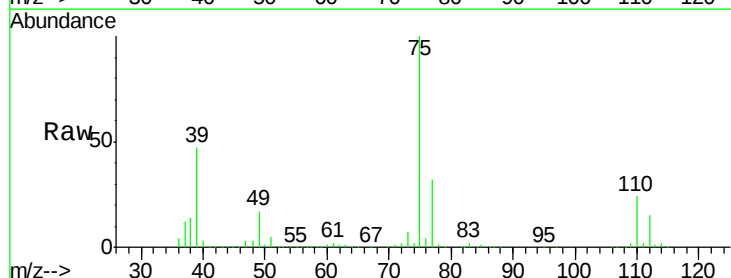
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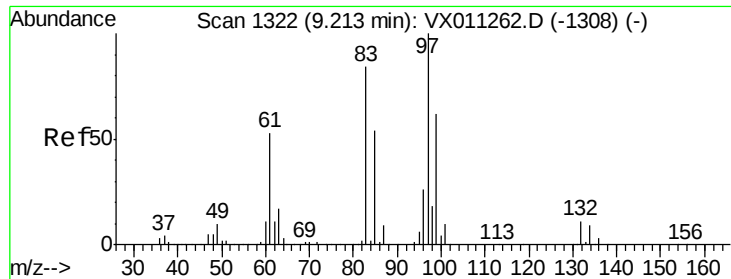
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 59.751 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion: 75 Resp: 140450
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6
39 46.4 35.3 52.9





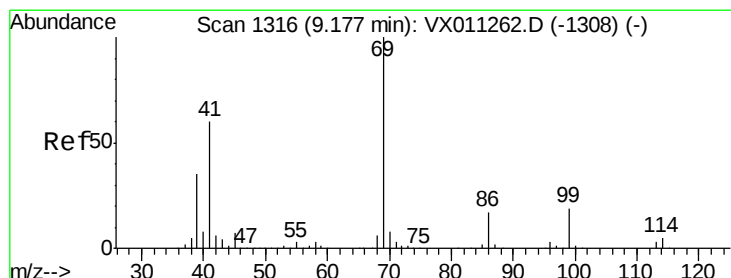
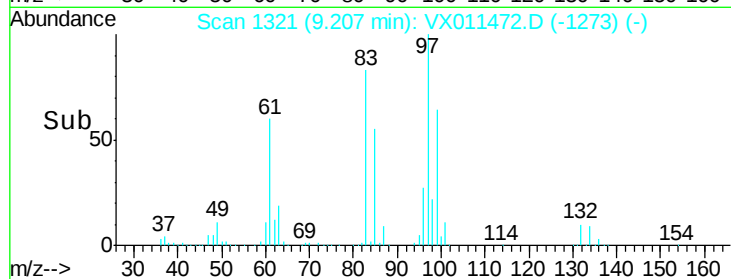
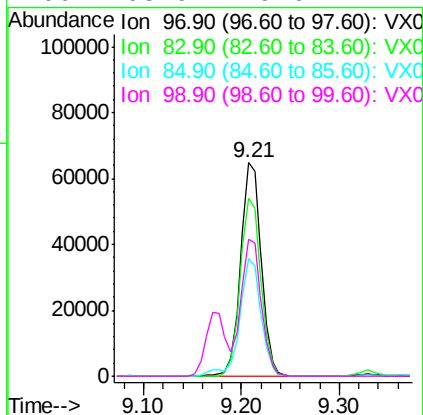
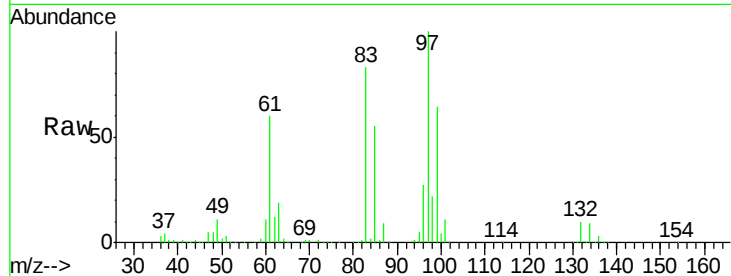
#55
 1,1,2-Trichloroethane
 Concen: 55.411 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	94693
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.6	101.4
85	55.1	43.4	65.0
99	63.9	49.6	74.4

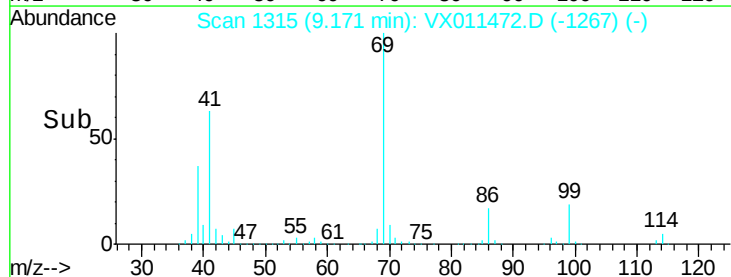
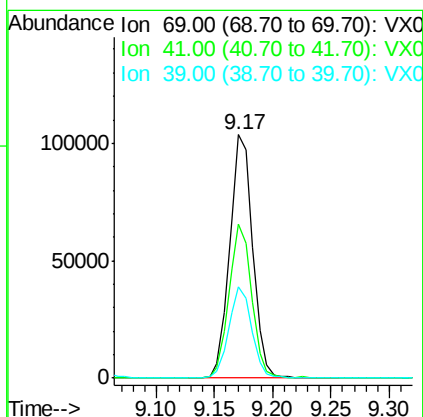
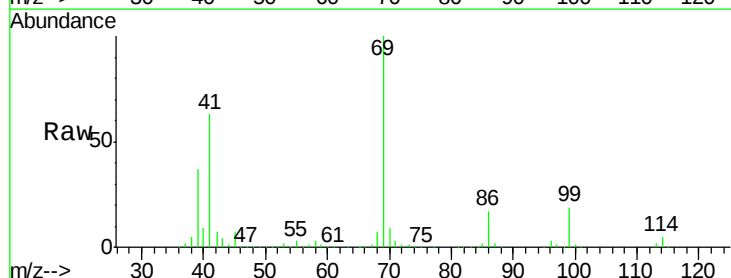
Manual Integrations
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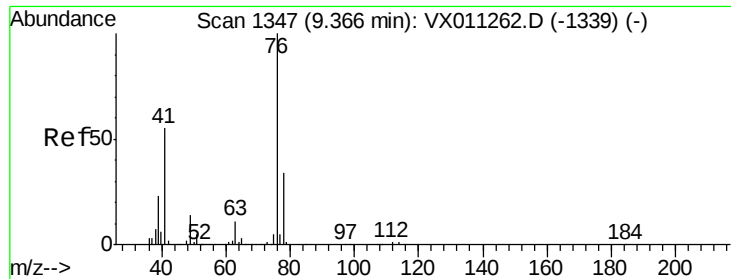
MMDadoda
 8/14/2019 9:13:45 AM



#56
 Ethyl methacrylate
 Concen: 58.615 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion:	69	Resp:	142746
Ion	Ratio	Lower	Upper
69	100		
41	63.0	48.6	73.0
39	37.0	29.4	44.2





#57

1,3-Dichloropropane

Concen: 54.723 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 147899

Ion Ratio Lower Upper

76 100

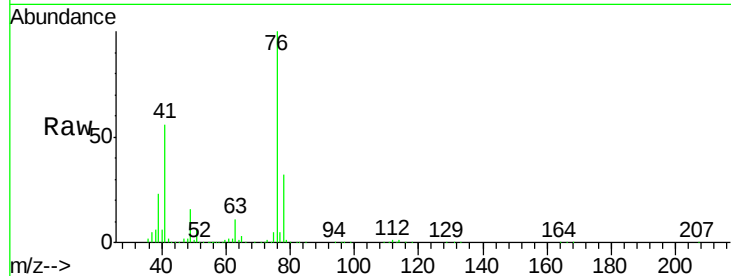
78 32.5 26.6 40.0

Manual Integrations

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MMDadoda

8/14/2019 9:13:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

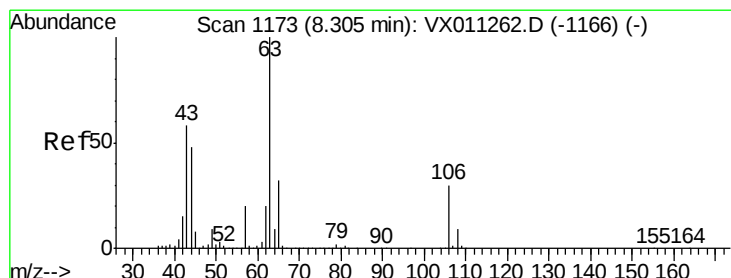
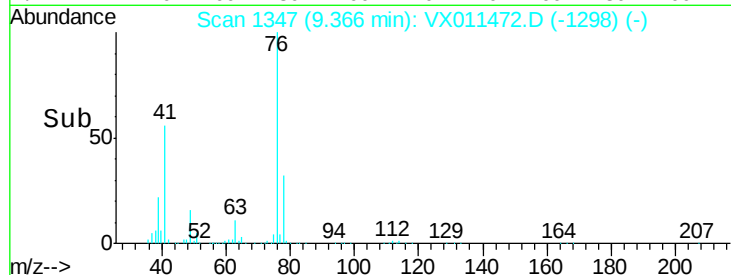
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 295.531 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011472.D

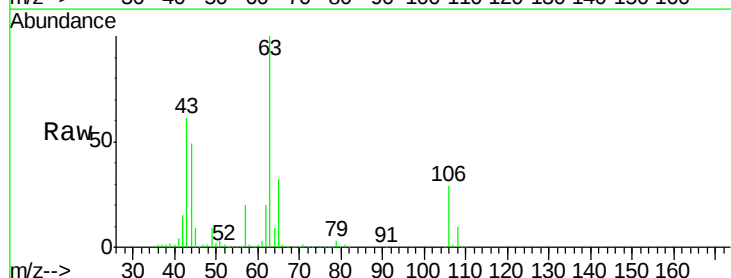
Acq: 12 Aug 2019 10:18

Tgt Ion: 63 Resp: 353877

Ion Ratio Lower Upper

63 100

106 29.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.30

250000

200000

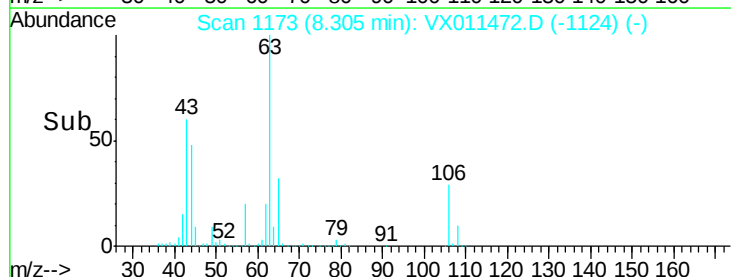
150000

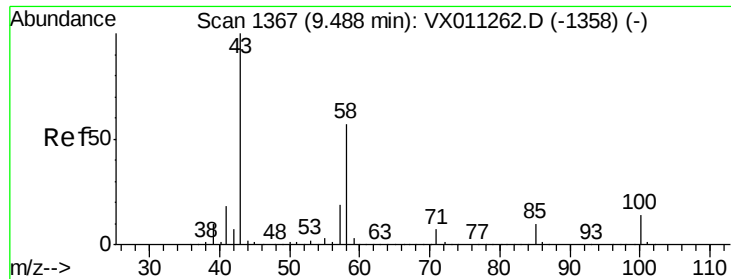
100000

50000

0

Time-->





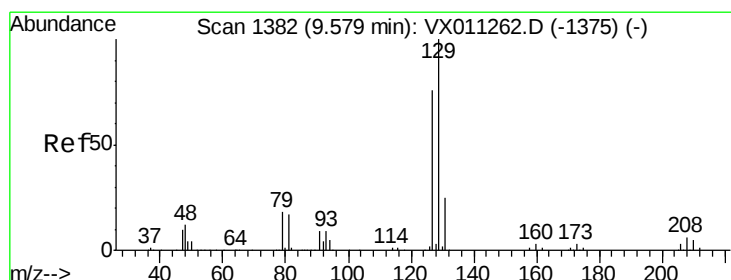
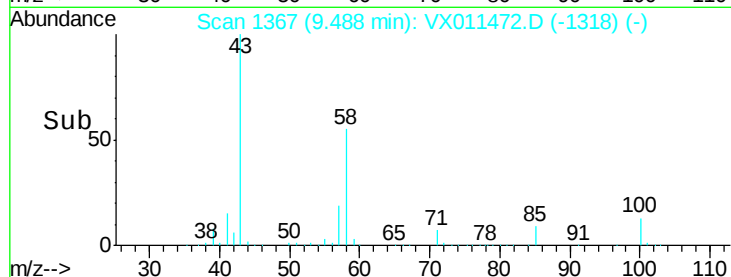
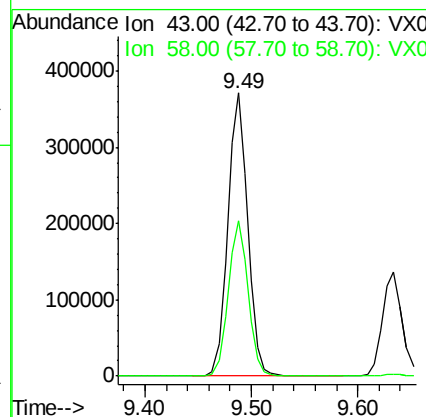
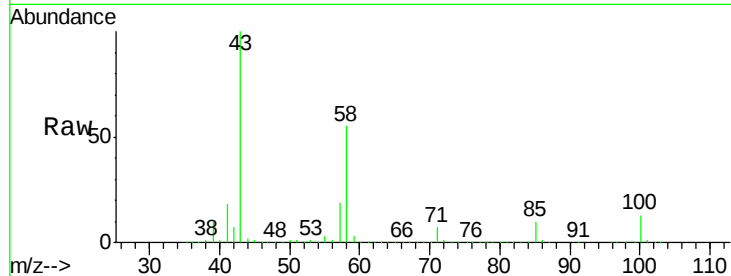
#59
2-Hexanone
Concen: 286.757 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	28.2	84.6

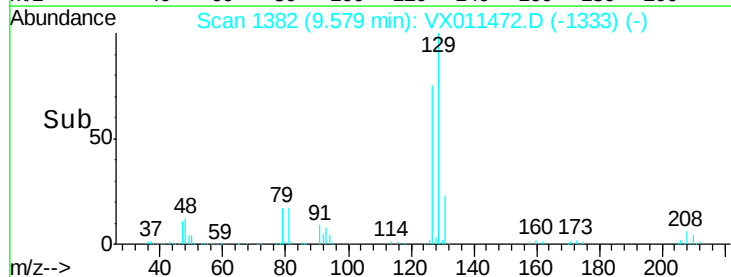
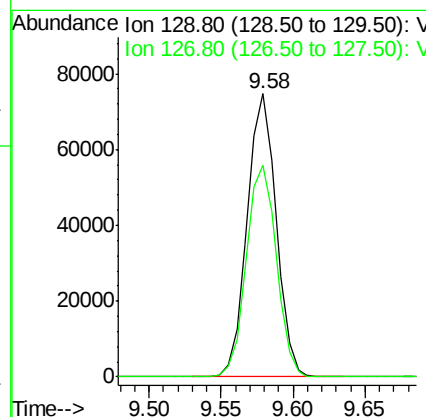
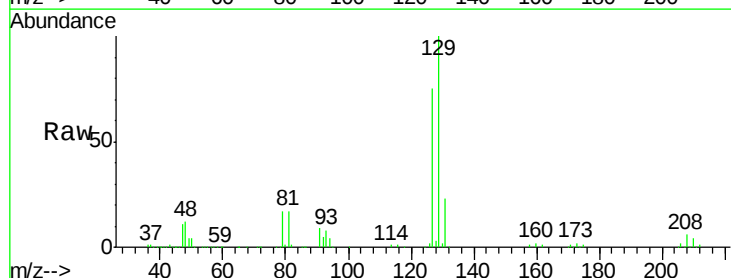
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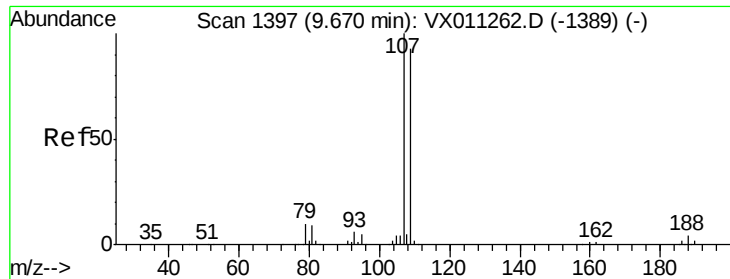
MMDadoda
8/14/2019 9:13:45 AM



#60
Dibromochloromethane
Concen: 59.513 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.2	117.6





#61

1,2-Dibromoethane

Concen: 55.460 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 102397

Ion Ratio Lower Upper

107 100

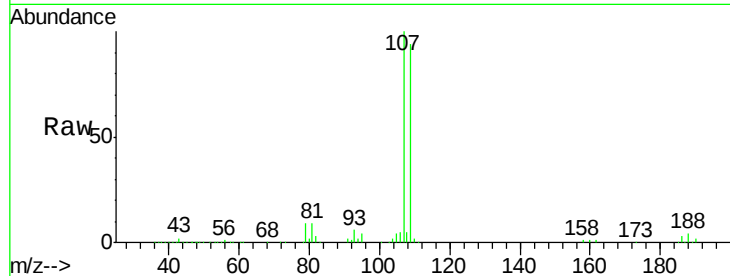
109 94.4 76.6 114.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

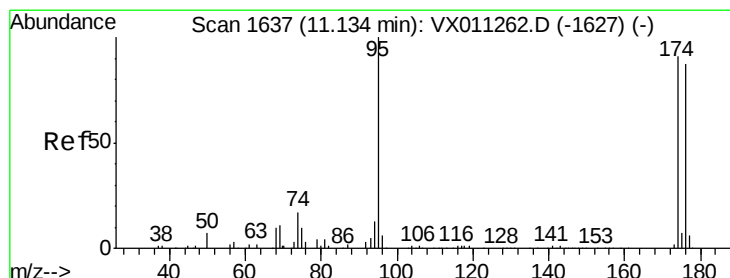
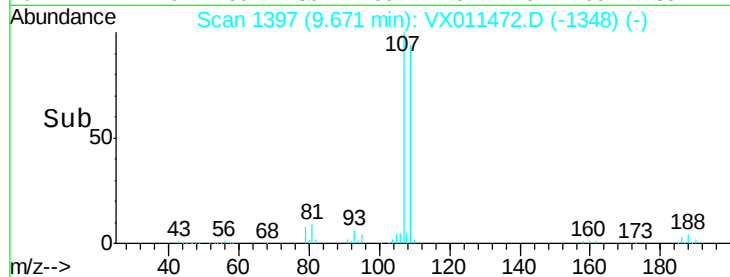
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.178 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

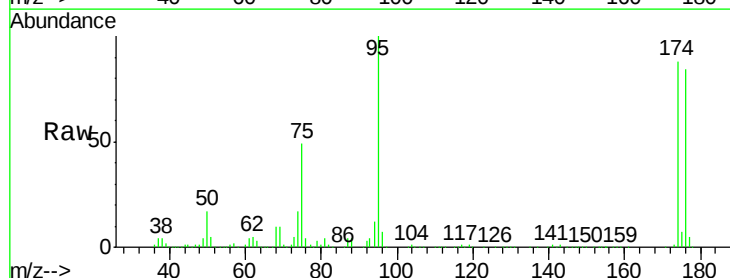
Tgt Ion: 95 Resp: 117144

Ion Ratio Lower Upper

95 100

174 89.5 0.0 191.2

176 86.9 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

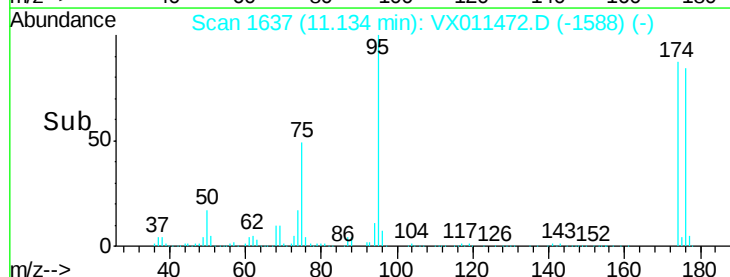
60000

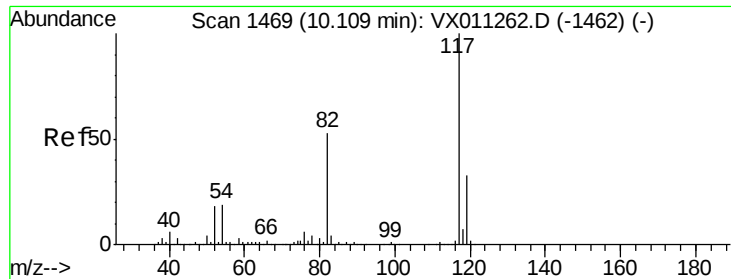
40000

20000

0

Time-->





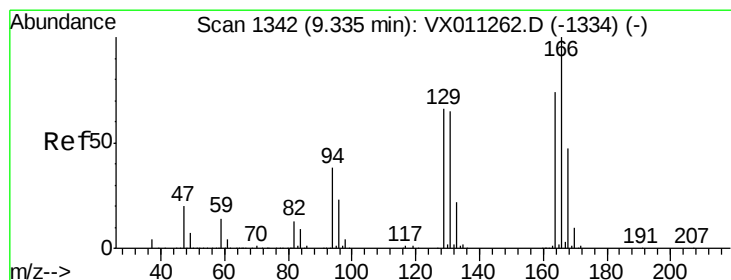
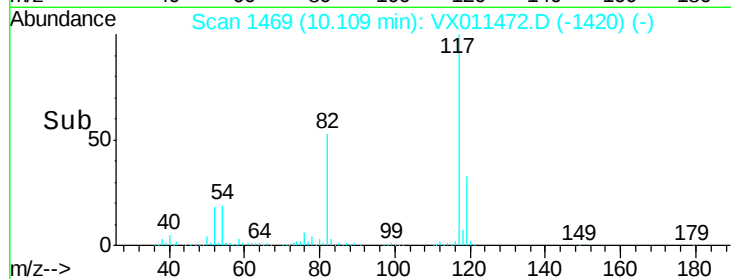
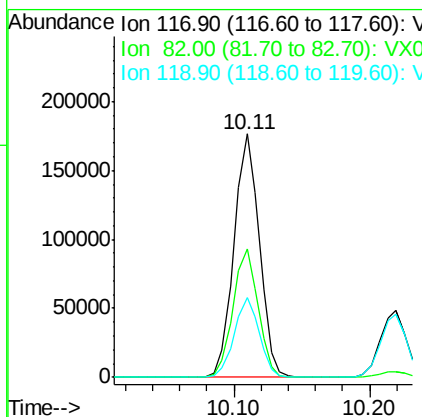
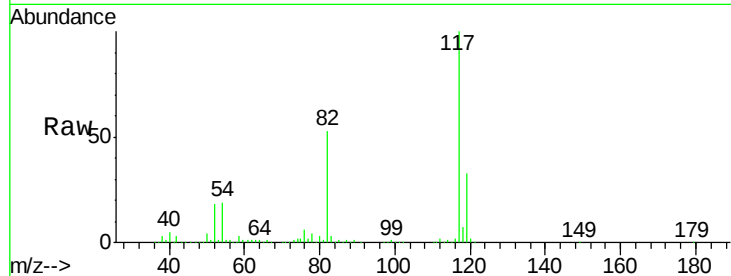
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	228764		
82	52.6	42.2	63.2	
119	32.8	26.6	39.8	

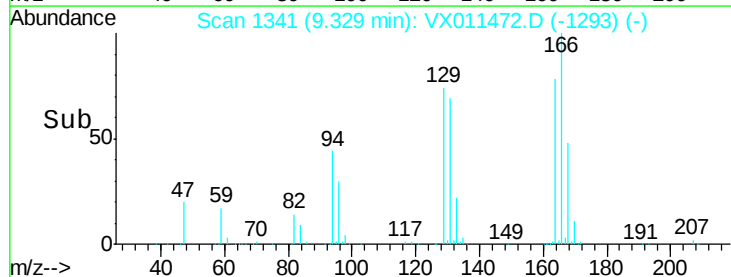
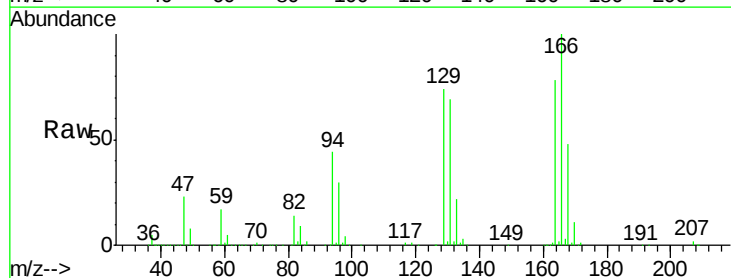
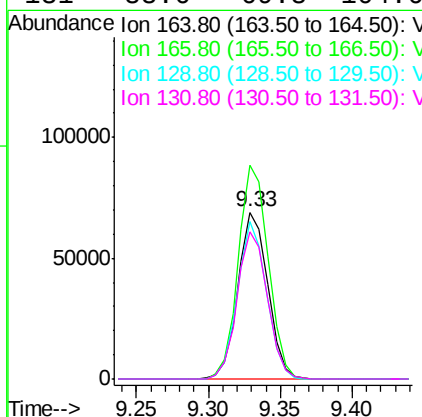
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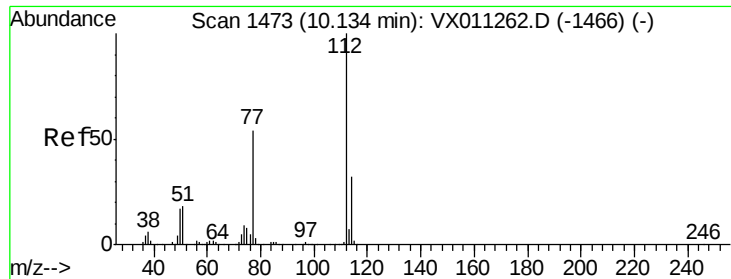
MMDadoda
8/14/2019 9:13:45 AM



#64
Tetrachloroethene
Concen: 51.131 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99334		
166	128.0	107.5	161.3	
129	94.2	71.0	106.4	
131	88.6	69.8	104.6	





#65

Chlorobenzene

Concen: 52.706 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 258525

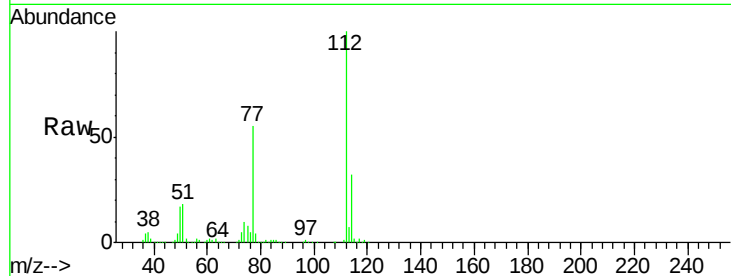
Ion Ratio Lower Upper

112 100

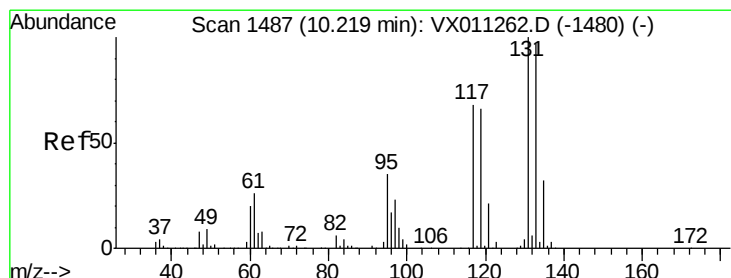
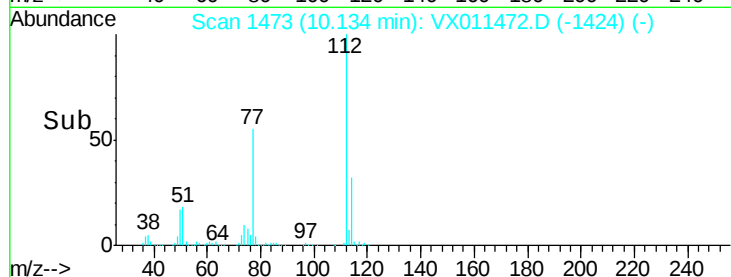
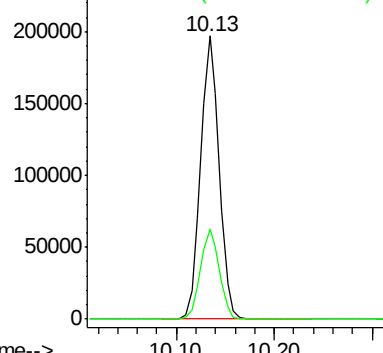
114 31.9 25.9 38.9

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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.926 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

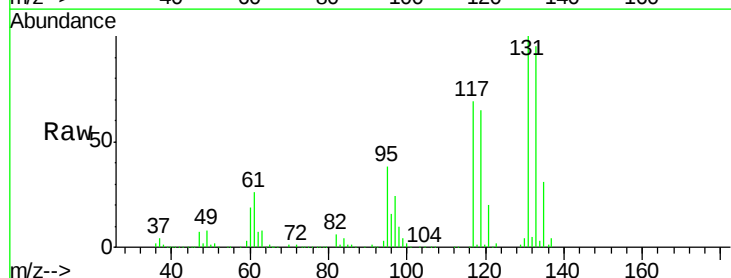
Tgt Ion:131 Resp: 95593

Ion Ratio Lower Upper

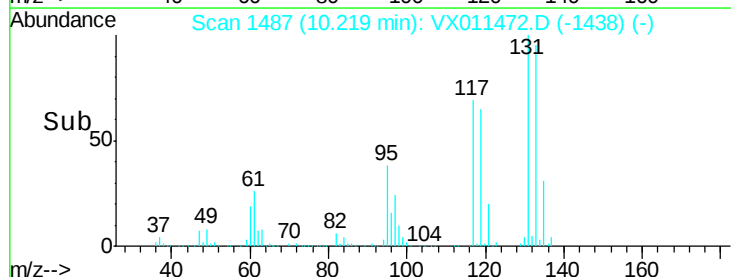
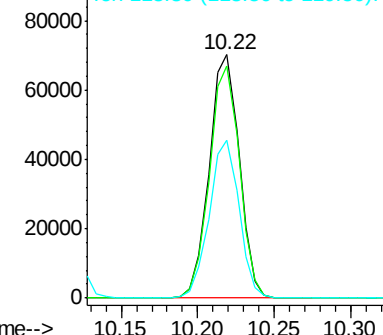
131 100

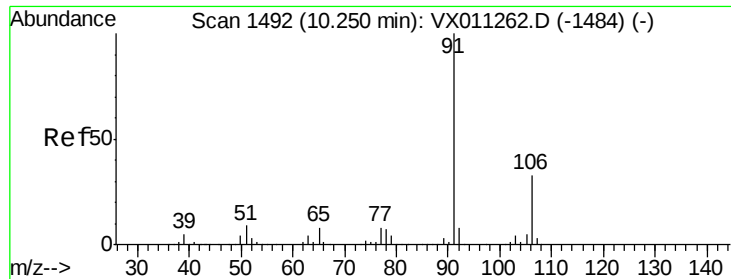
133 95.4 47.7 143.1

119 64.4 32.8 98.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 54.962 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 451494

Ion Ratio Lower Upper

91 100

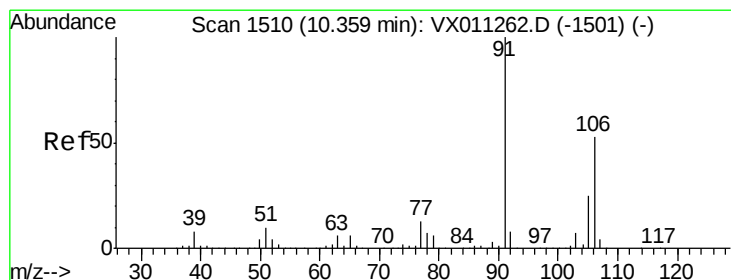
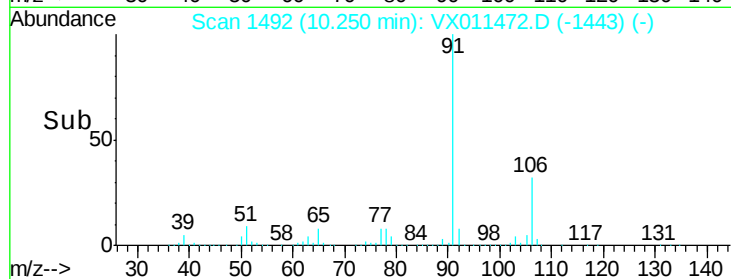
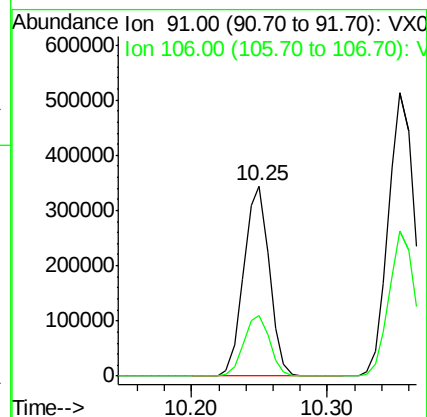
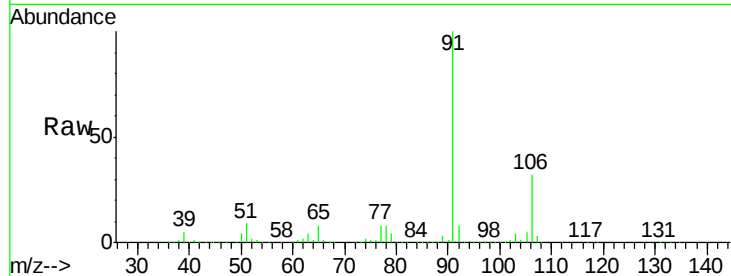
106 31.6 26.2 39.4

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#68

m/p-Xylenes

Concen: 110.468 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011472.D

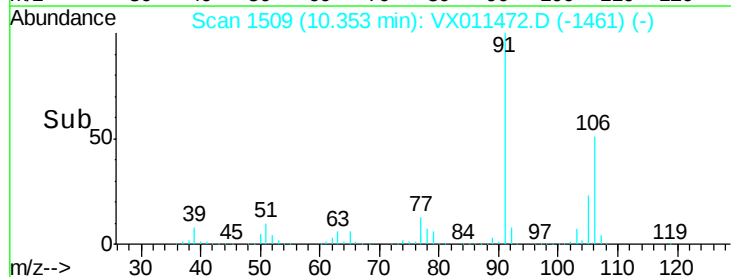
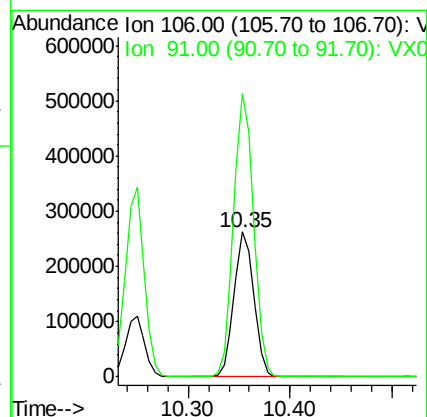
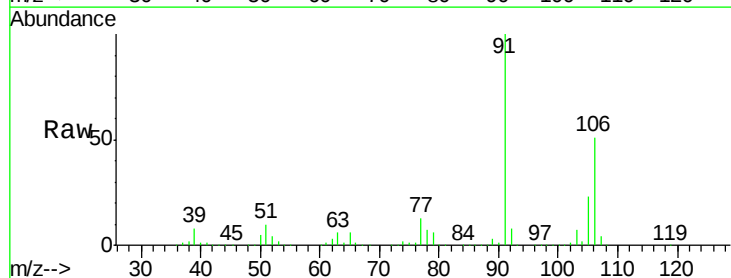
Acq: 12 Aug 2019 10:18

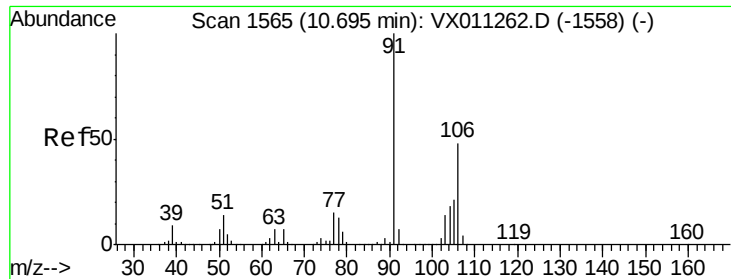
Tgt Ion: 106 Resp: 351003

Ion Ratio Lower Upper

106 100

91 197.3 155.9 233.9





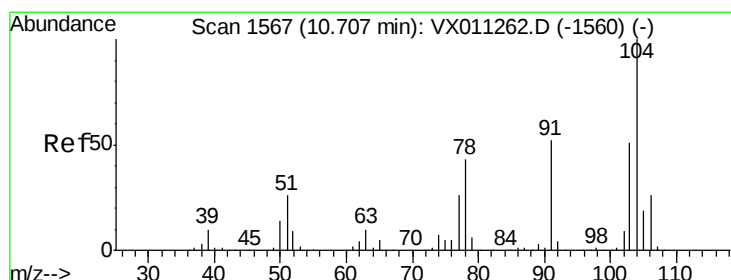
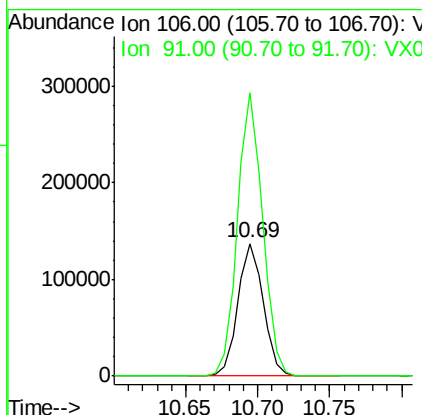
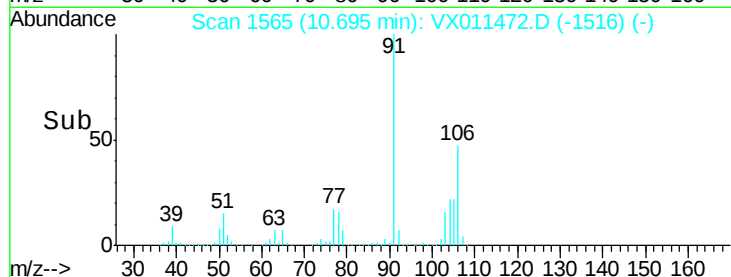
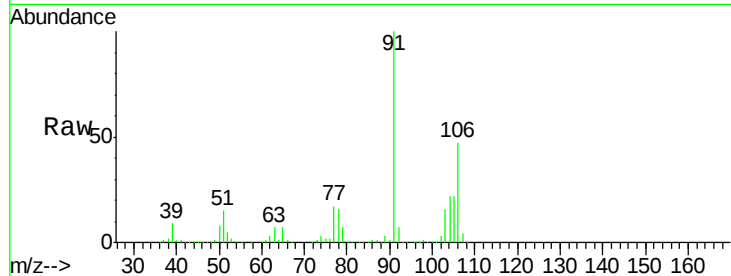
#69
o-Xylene
Concen: 54.287 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.0	103.8	169479	311.3	

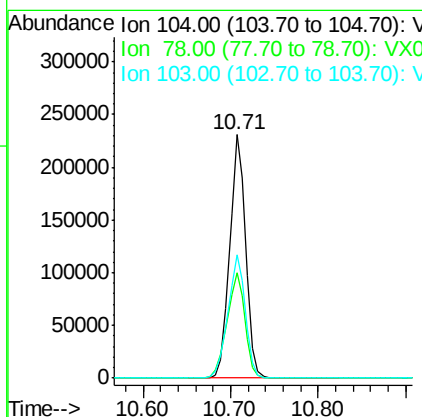
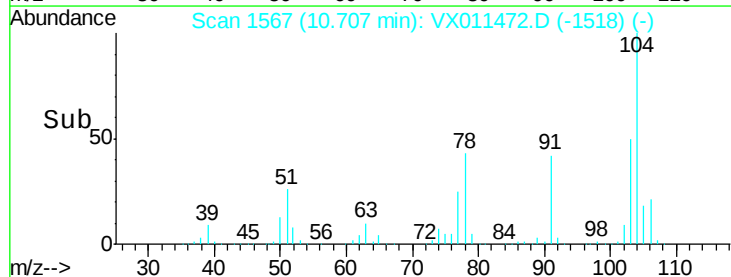
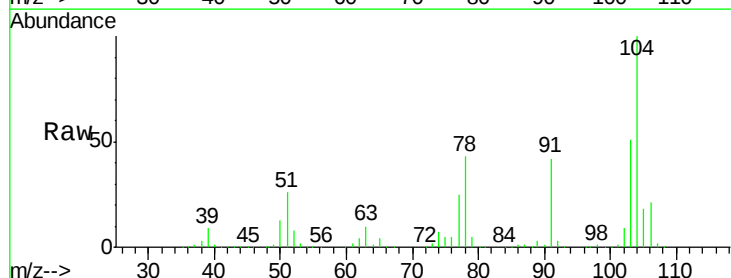
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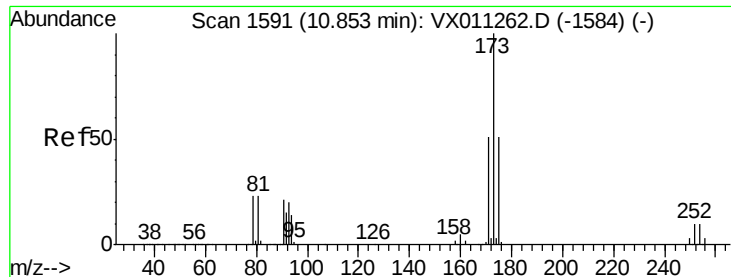
MMDadoda
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#70
Styrene
Concen: 56.785 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.1	36.9	293334	55.3	
103	55.0	44.4		66.6	





#71

Bromoform

Concen: 51.995 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 78249

Ion Ratio Lower Upper

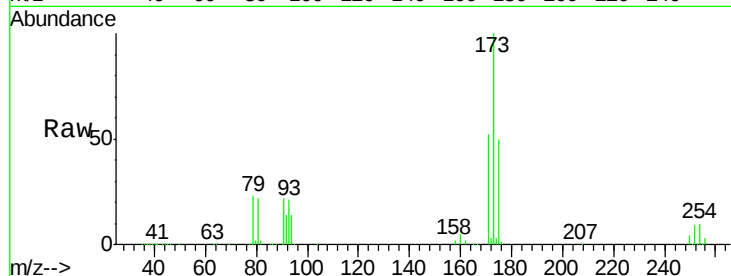
173 100

175 49.6 24.4 73.4

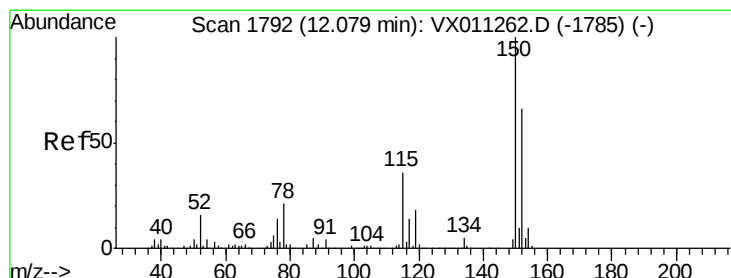
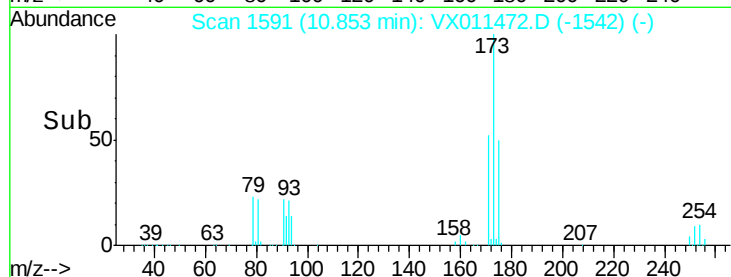
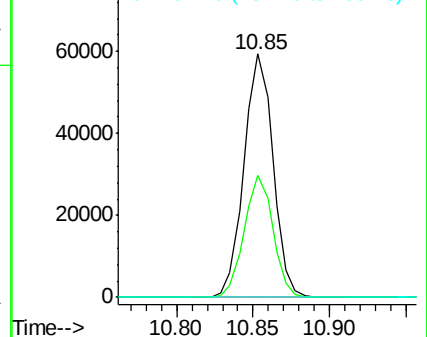
254 0.2 0.2 0.2

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

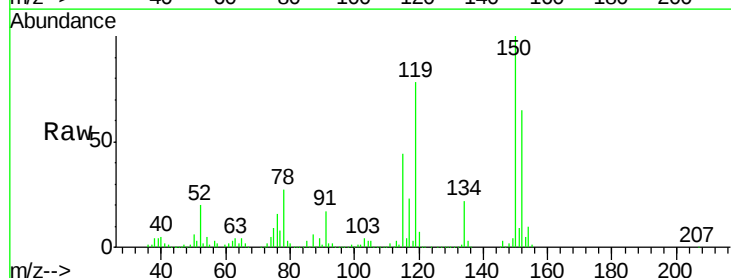
Tgt Ion:152 Resp: 125328

Ion Ratio Lower Upper

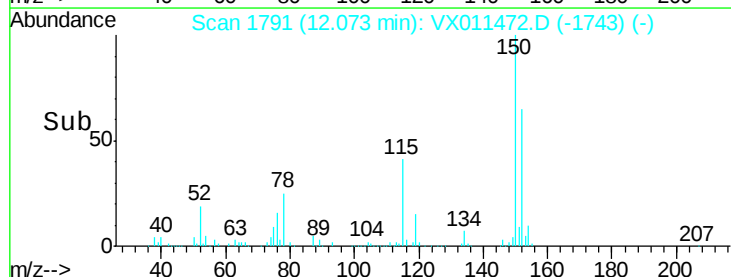
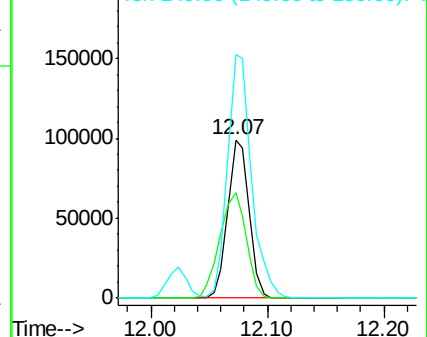
152 100

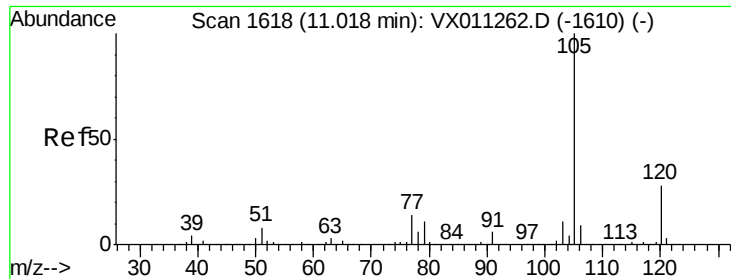
115 82.5 40.0 119.9

150 172.6 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.325 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 465647

Ion Ratio Lower Upper

105 100

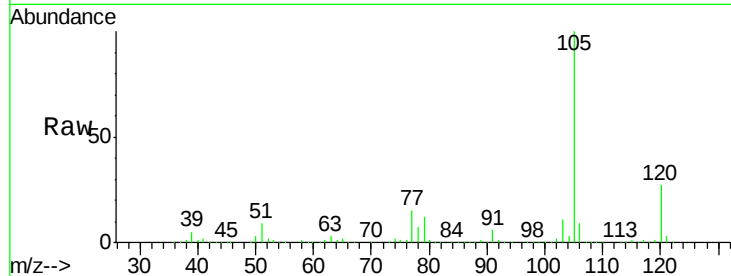
120 27.1 13.7 41.1

Manual Integrations

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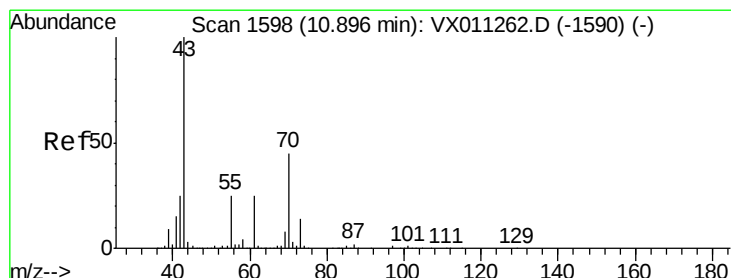
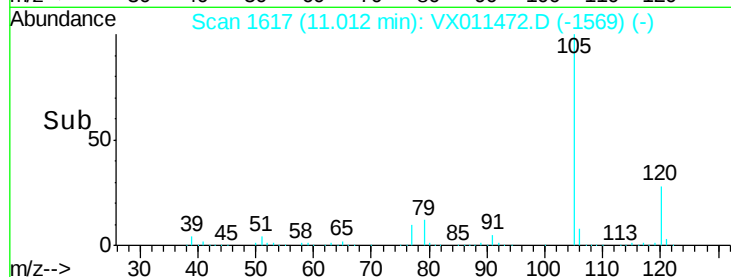
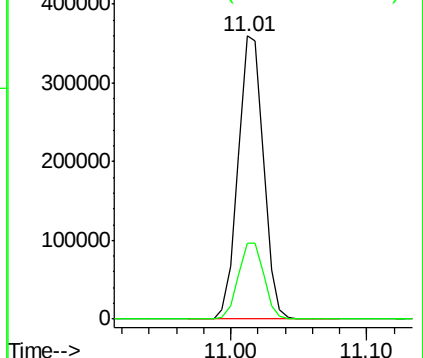
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.966 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Tgt Ion: 43 Resp: 170240

Ion Ratio Lower Upper

43 100

70 43.9 35.9 53.9

55 24.8 19.8 29.6

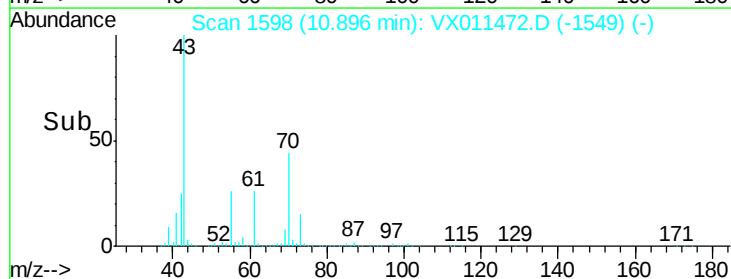
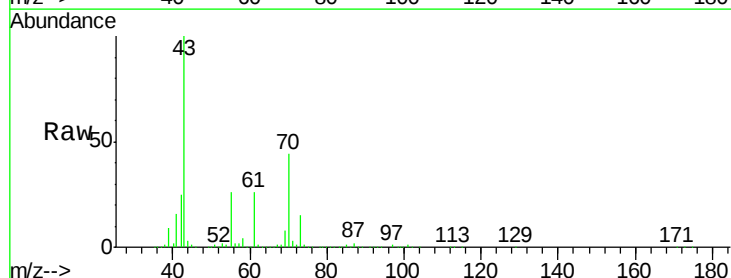
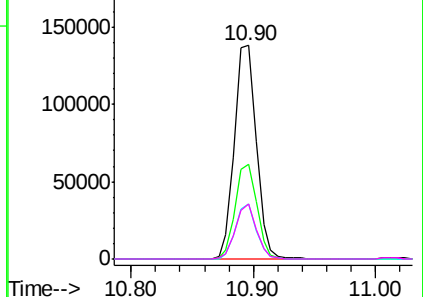
61 24.6 19.7 29.5

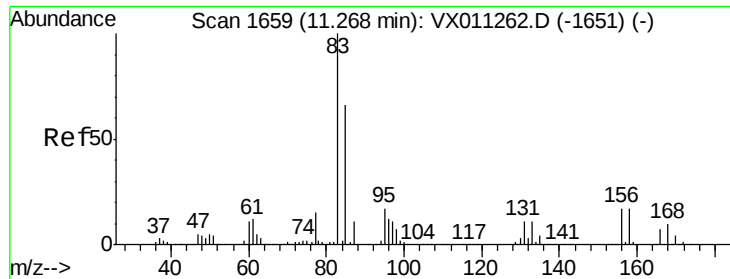
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.070 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 145879

Ion Ratio Lower Upper

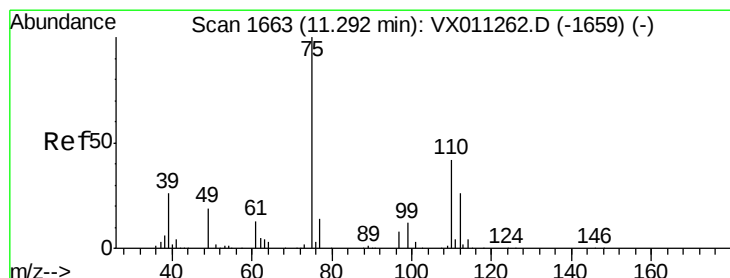
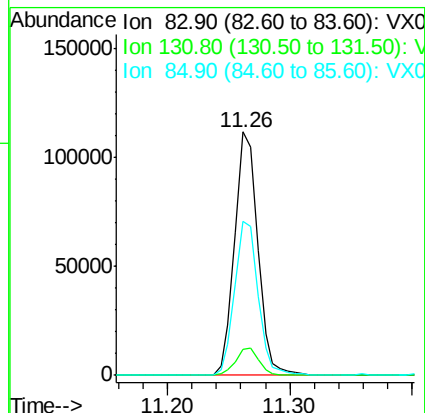
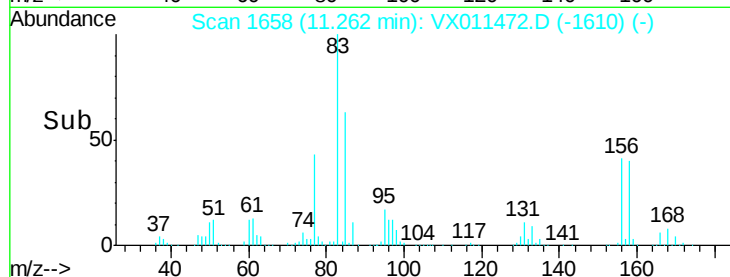
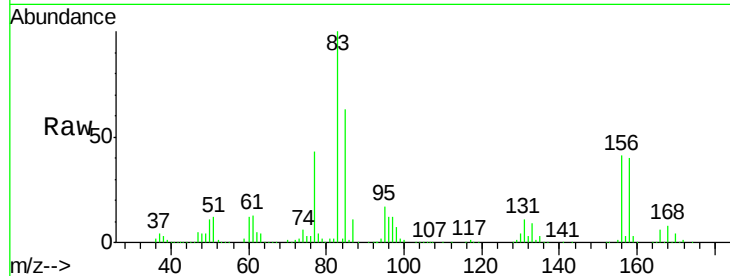
83 100

131 11.3 5.6 16.8

85 64.2 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 56.418 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011472.D

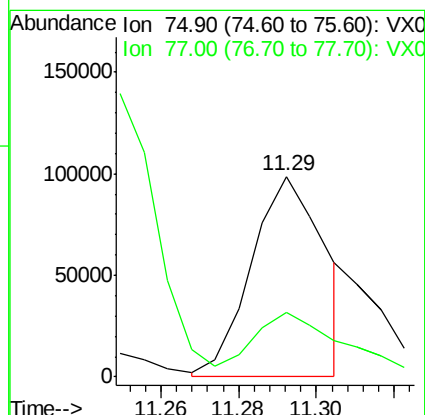
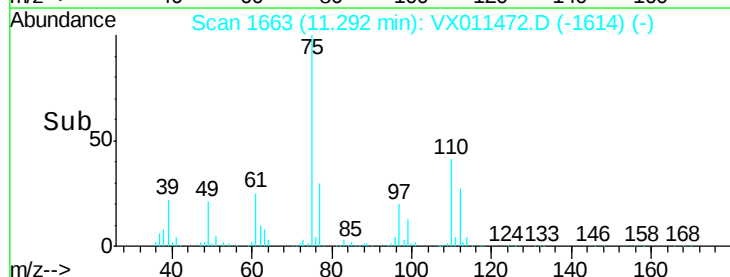
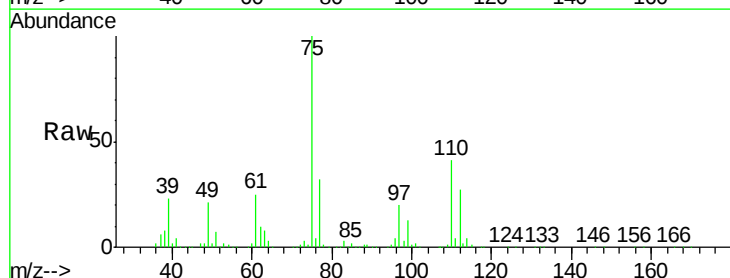
Acq: 12 Aug 2019 10:18

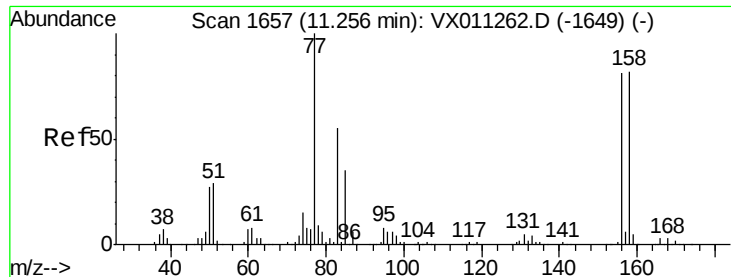
Tgt Ion: 75 Resp: 128767

Ion Ratio Lower Upper

75 100

77 40.4 21.1 63.4





#77

Bromobenzene

Concen: 51.847 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

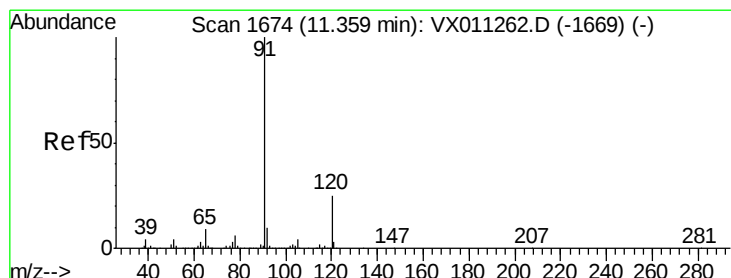
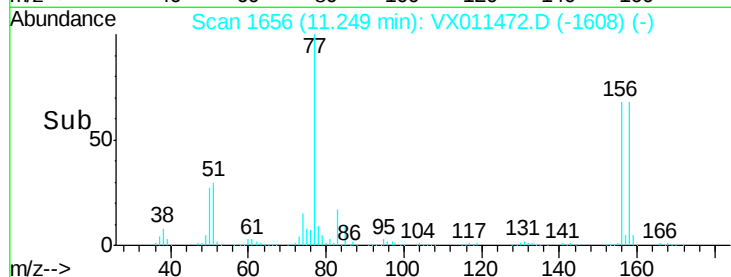
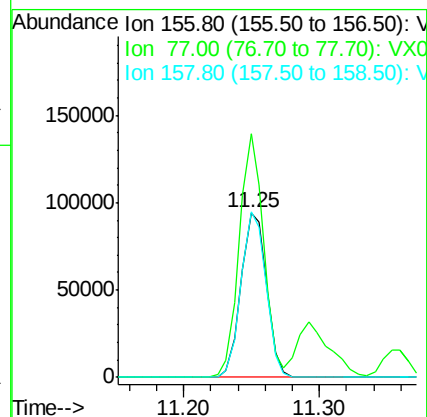
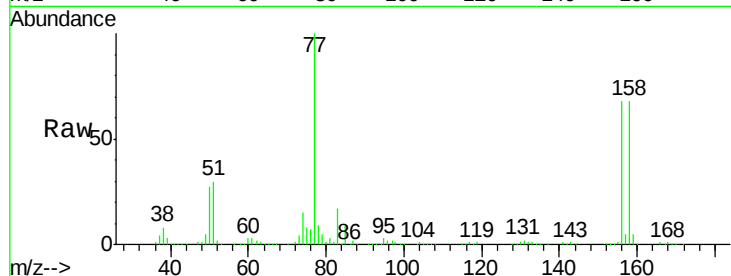
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	123232
Ion Ratio	Lower	Upper	
156	100		
77	140.8	66.2	198.6
158	98.0	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 55.580 ug/l

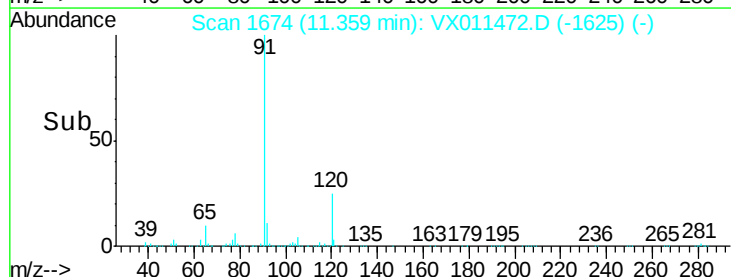
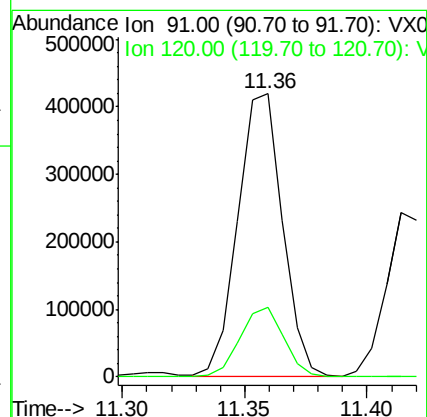
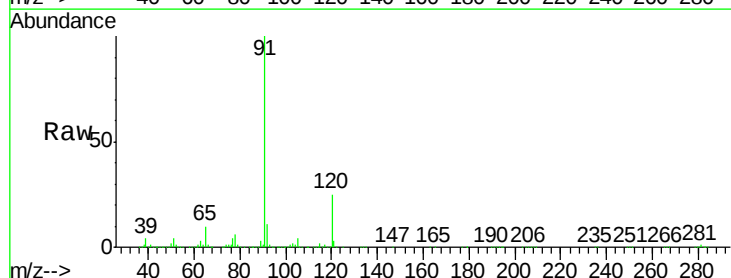
RT: 11.36 min Scan# 1674

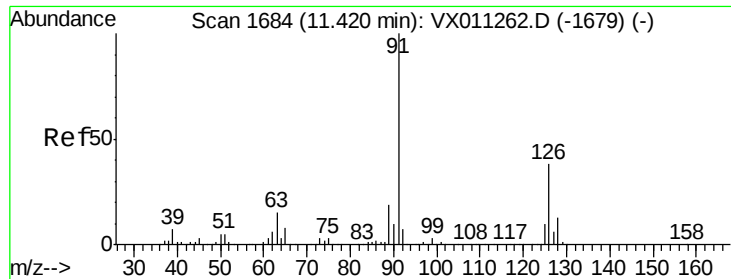
Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Tgt Ion:	91	Resp:	529798
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.4	37.0





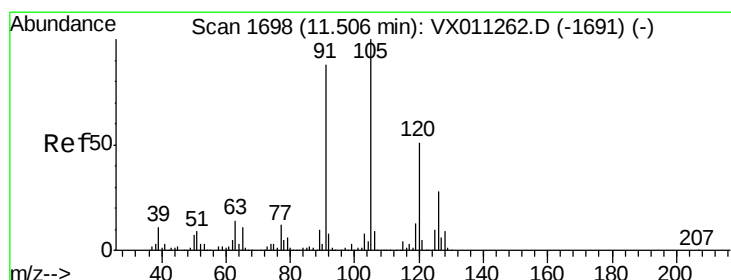
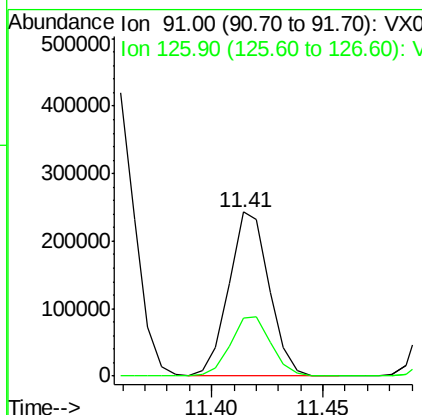
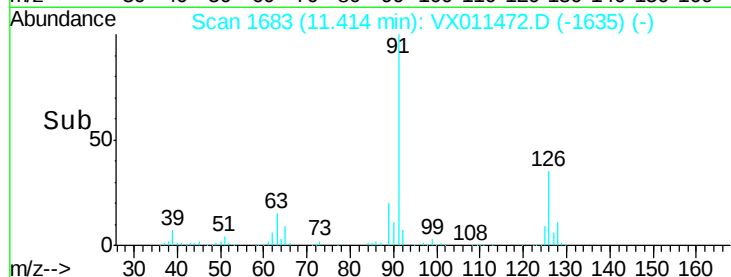
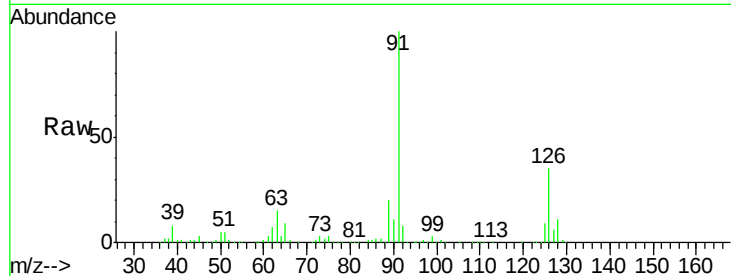
#79
 2-Chlorotoluene
 Concen: 53.734 ug/l
 RT: 11.41 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 305287
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.5 55.5

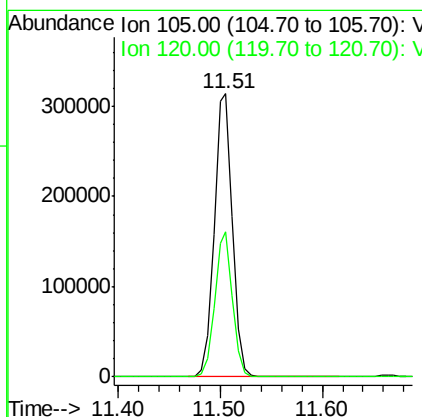
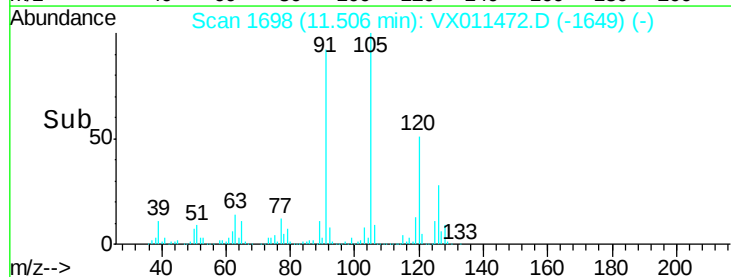
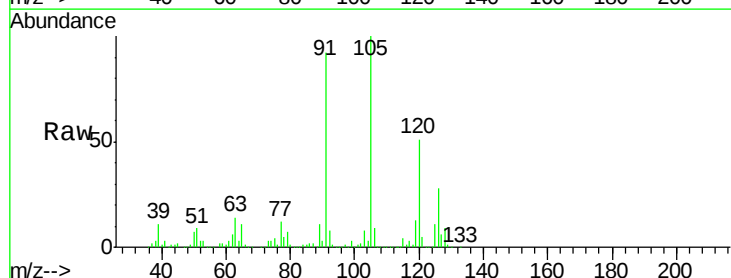
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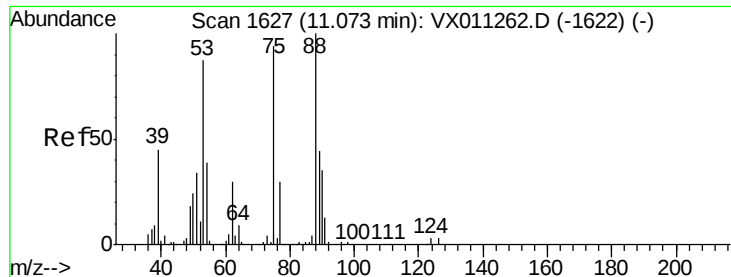
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.791 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion: 105 Resp: 393138
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.1 75.2





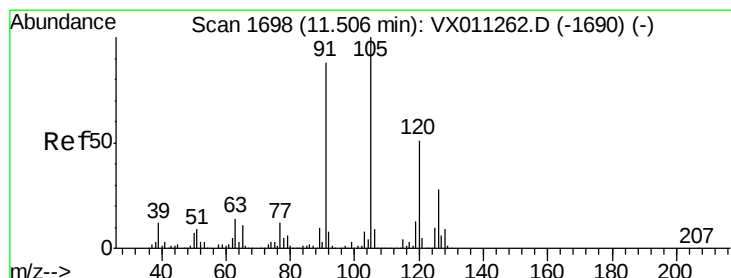
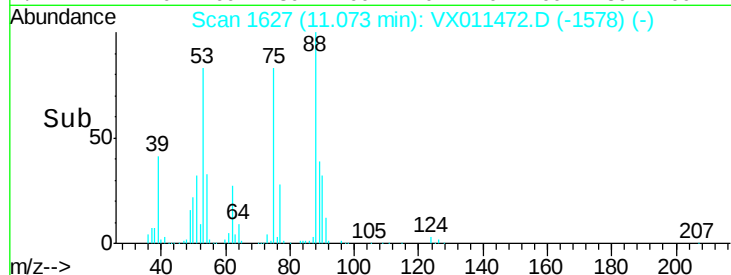
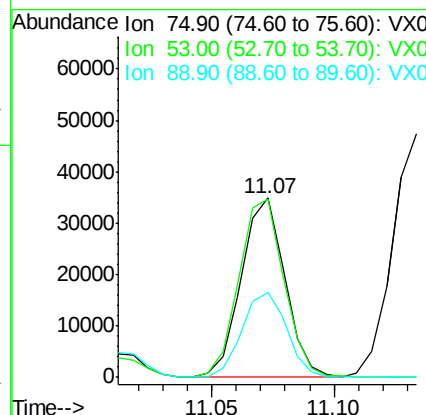
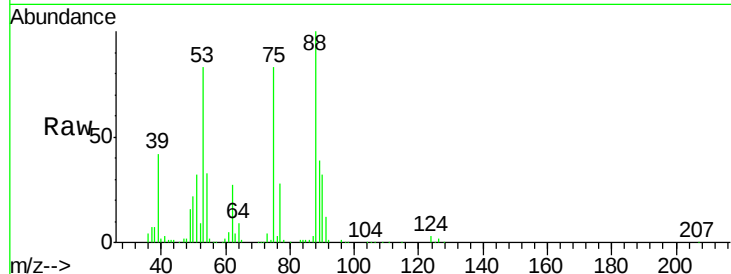
#81
trans-1,4-Dichloro-2-butene
Concen: 50.330 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	78.2	117.4
89	48.9	37.9	56.9

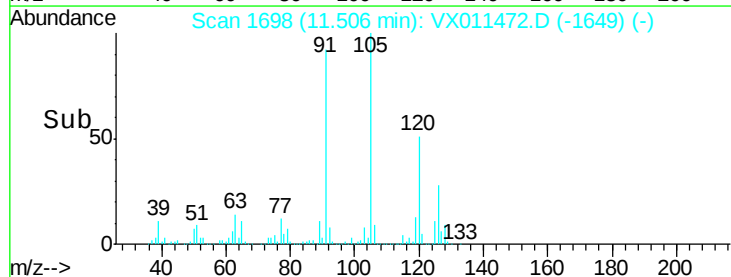
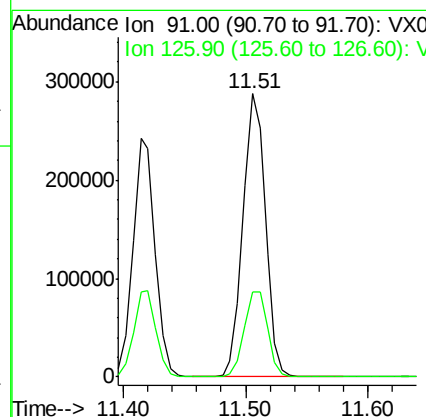
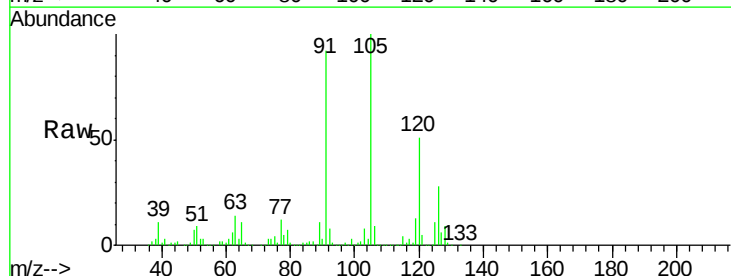
Manual Integrations
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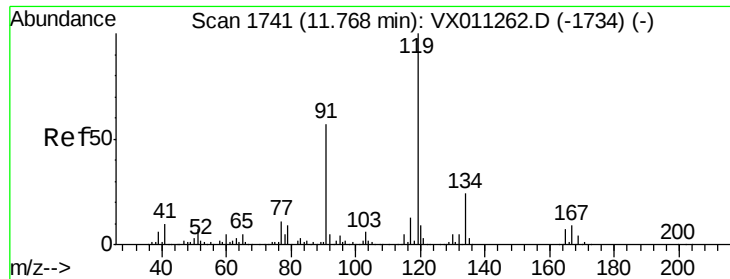
MMDadoda
8/14/2019 9:13:45 AM



#82
4-Chlorotoluene
Concen: 55.063 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.4	49.2





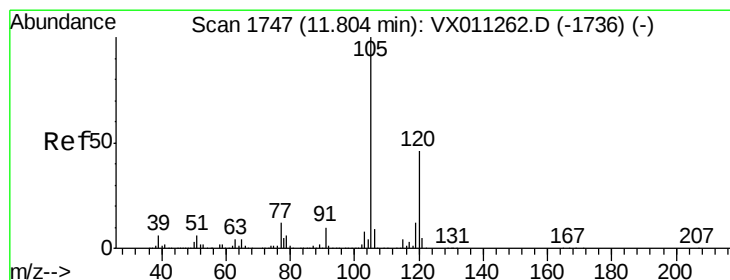
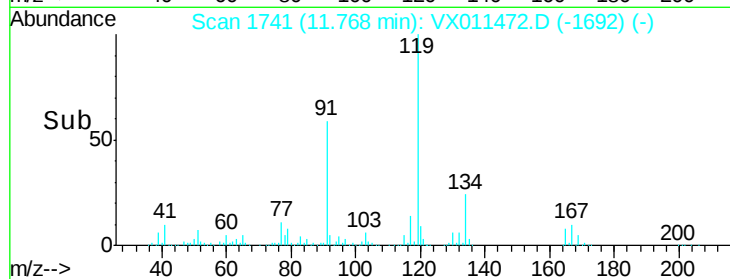
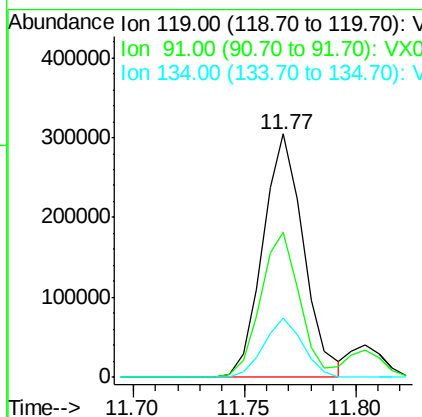
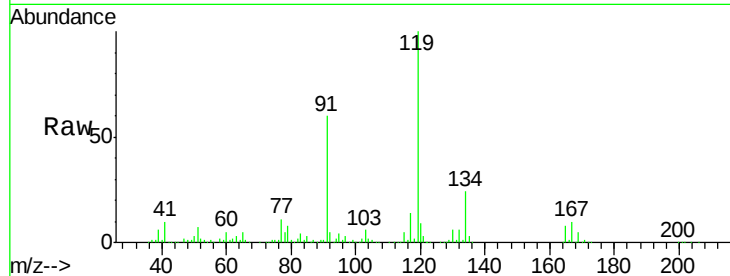
#83
 tert-Butylbenzene
 Concen: 54.927 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	386538		
91	56.8	28.0	84.0	
134	23.3	11.9	35.5	

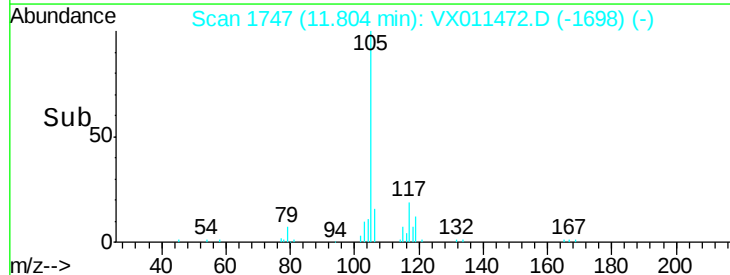
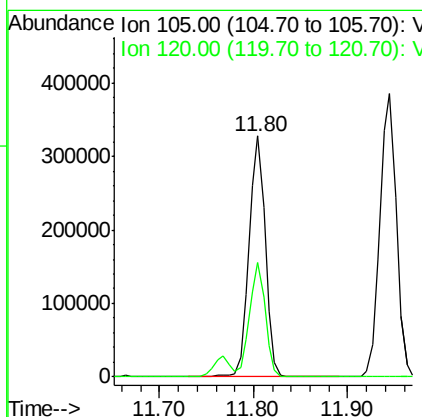
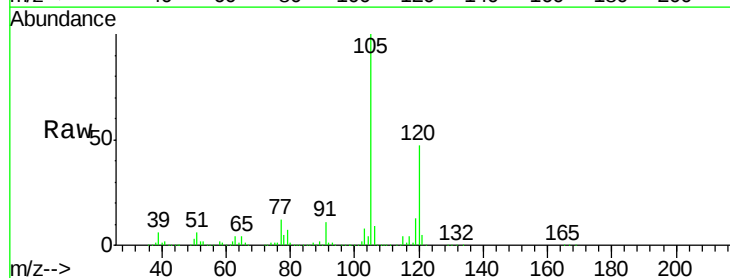
Manual Integrations
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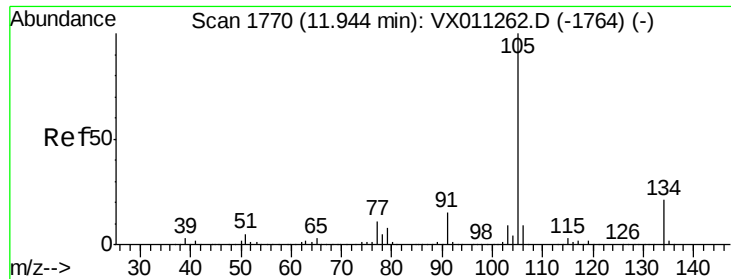
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.400 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	395770		
120	45.9	23.0	69.0	





#85

sec-Butylbenzene

Concen: 55.191 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 466643

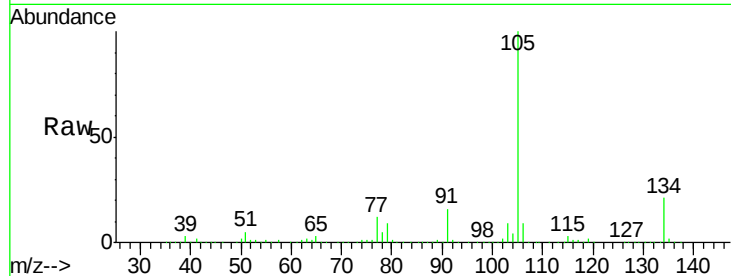
Ion Ratio Lower Upper

105 100

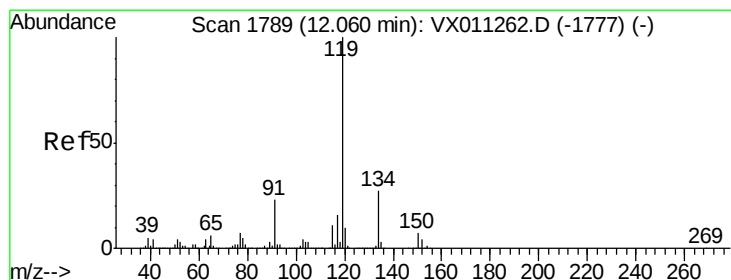
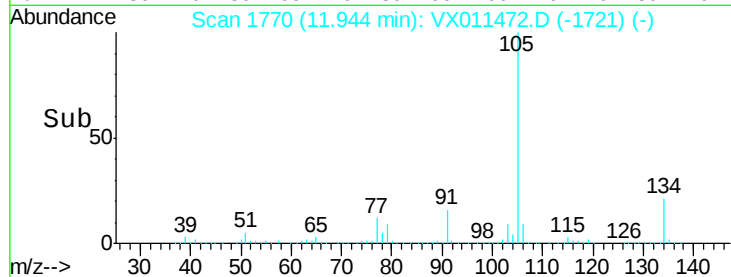
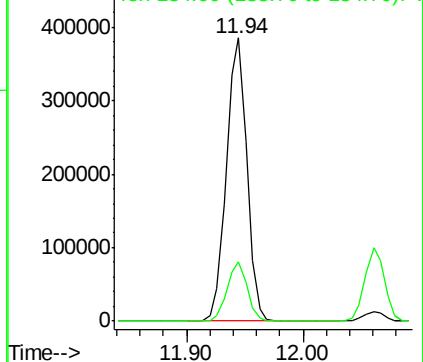
134 20.5 10.4 31.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.012 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011472.D

Acq: 12 Aug 2019 10:18

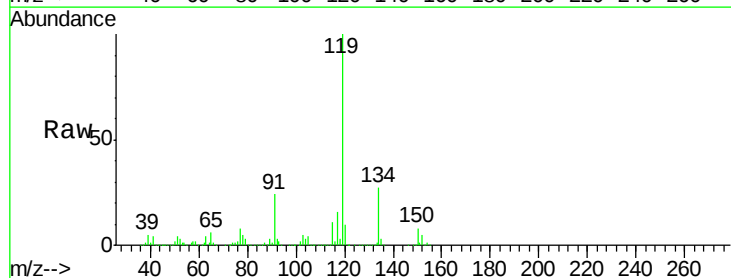
Tgt Ion:119 Resp: 435686

Ion Ratio Lower Upper

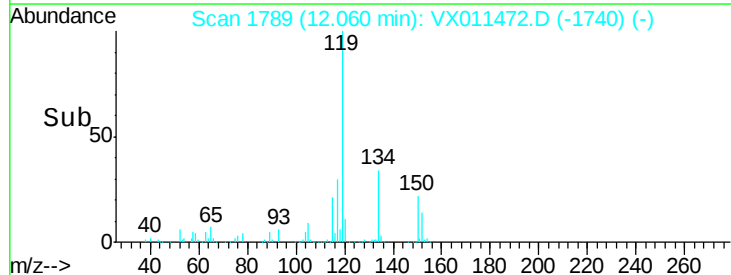
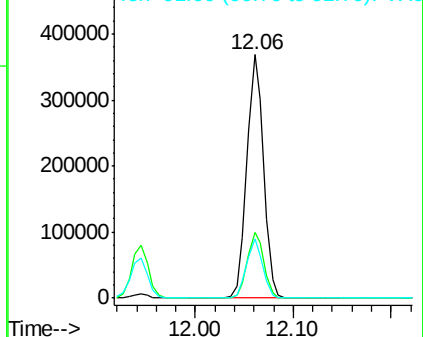
119 100

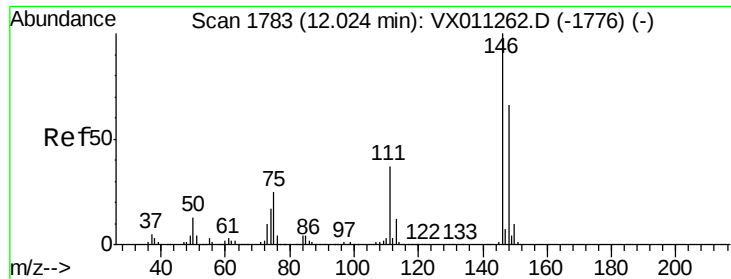
134 27.0 13.7 41.0

91 23.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





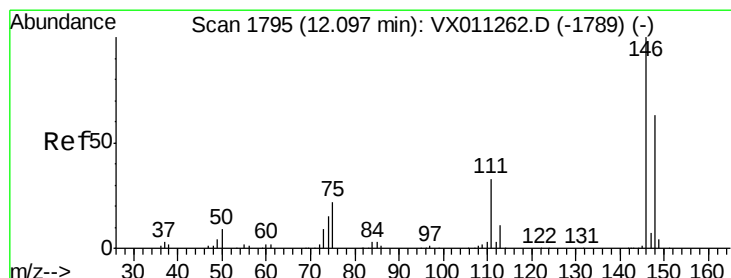
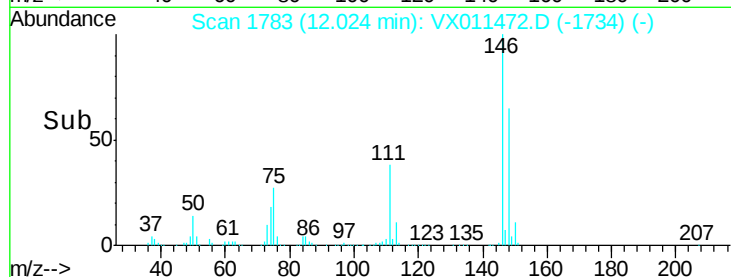
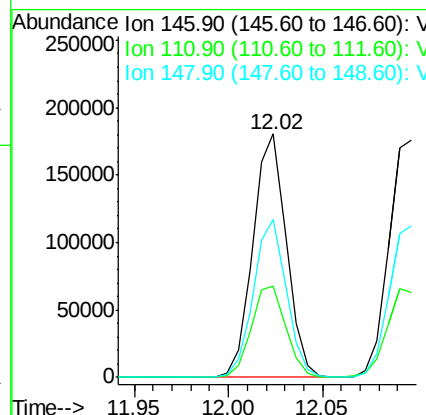
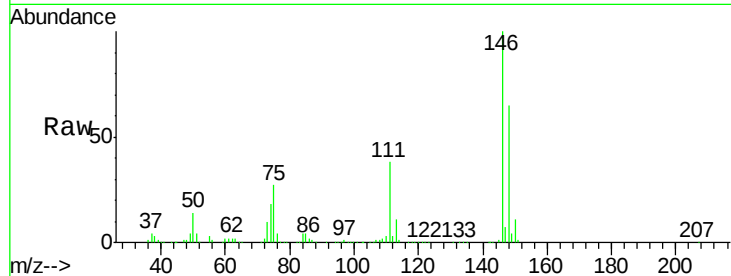
#87
 1,3-Dichlorobenzene
 Concen: 52.891 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	222125		
111	38.8	18.6	55.8	
148	64.1	32.5	97.5	

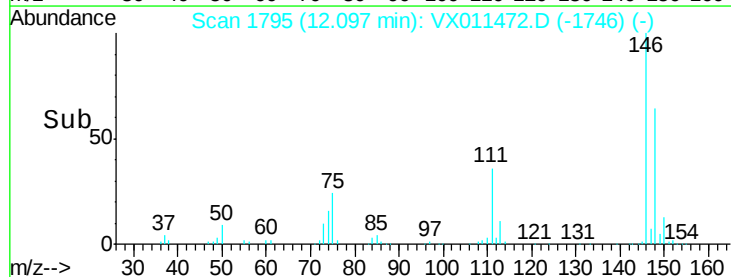
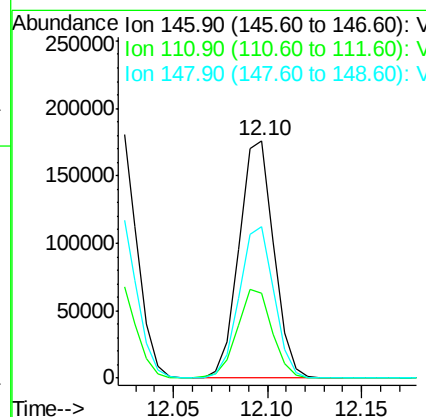
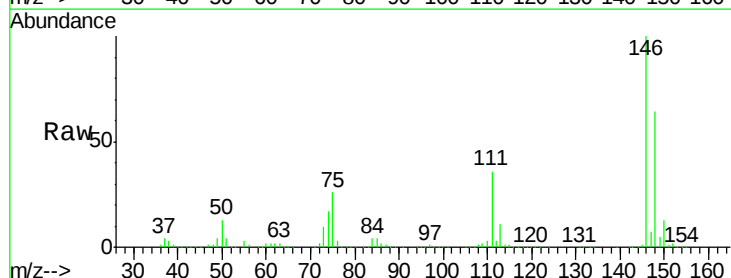
Manual Integrations
 APPROVED

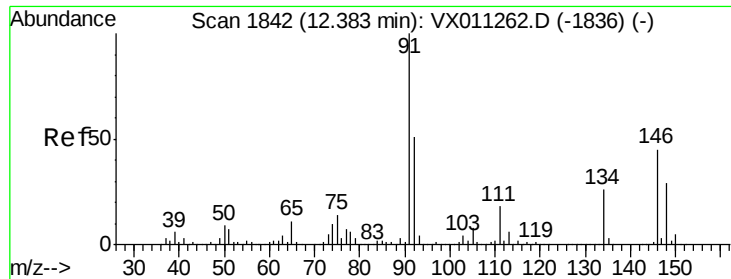
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#88
 1,4-Dichlorobenzene
 Concen: 52.060 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	225450		
111	37.6	17.8	53.4	
148	63.8	31.8	95.3	





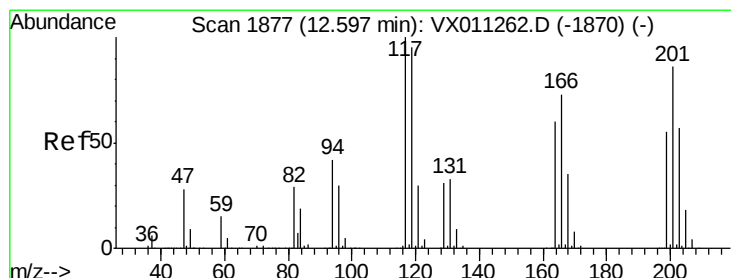
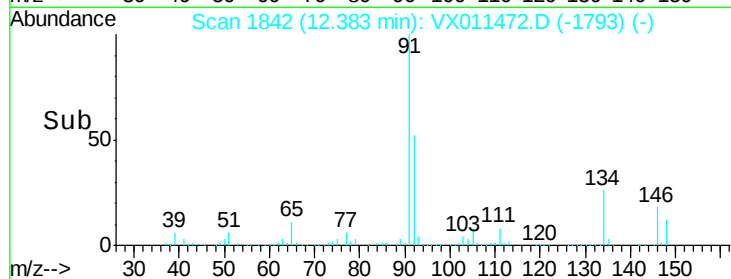
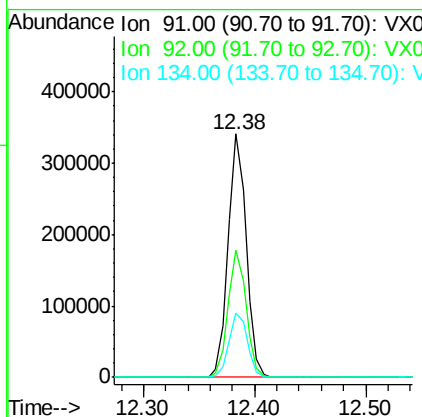
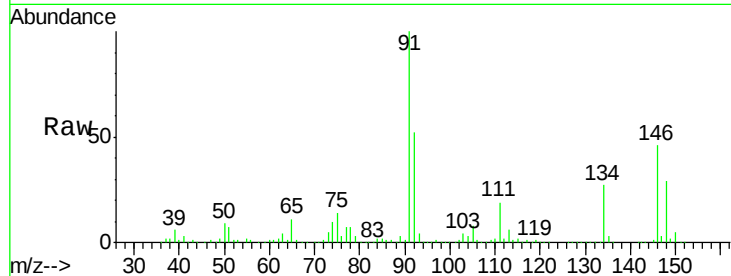
#89
n-Butylbenzene
Concen: 57.143 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.8	77.3
134	27.1	13.7	41.0

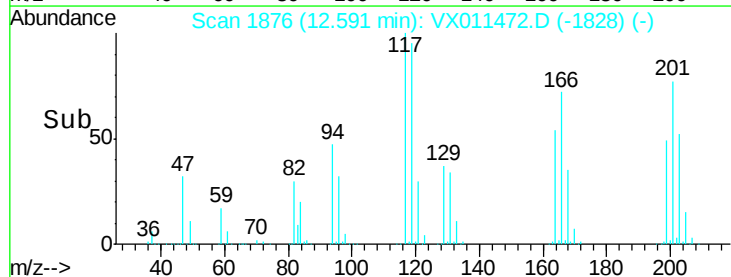
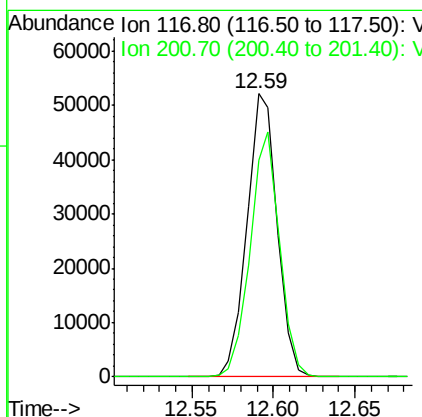
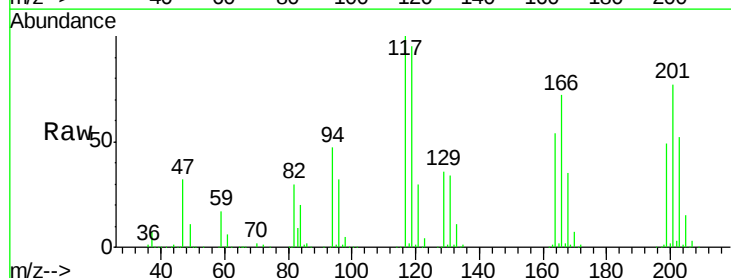
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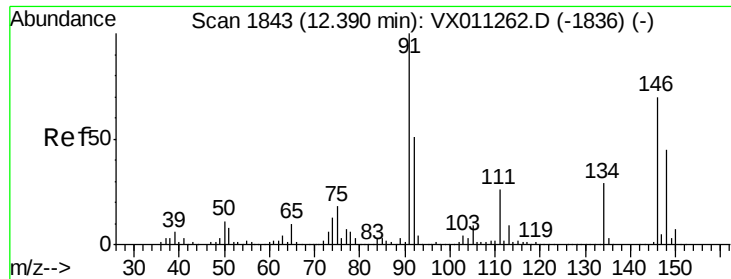
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#90
Hexachloroethane
Concen: 58.608 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	41.8	125.4





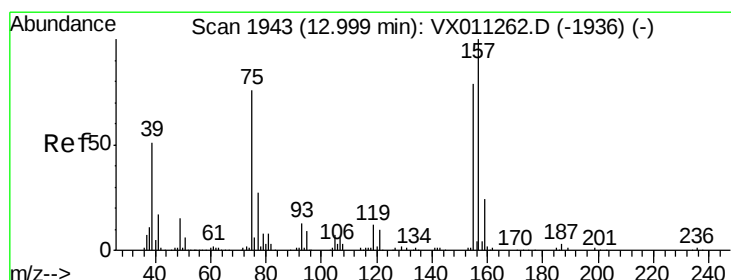
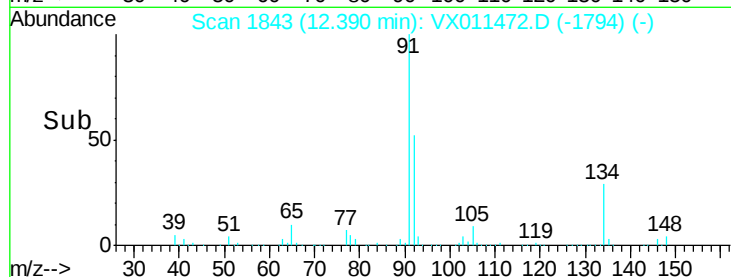
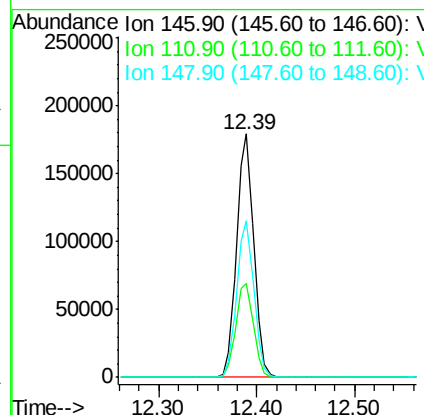
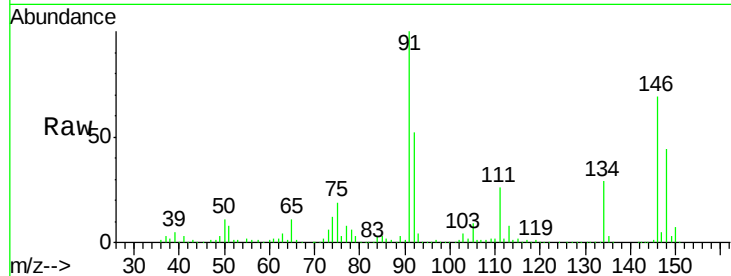
#91
 1,2-Dichlorobenzene
 Concen: 51.808 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218614		
111	39.8	19.1	57.1	
148	64.7	32.3	96.8	

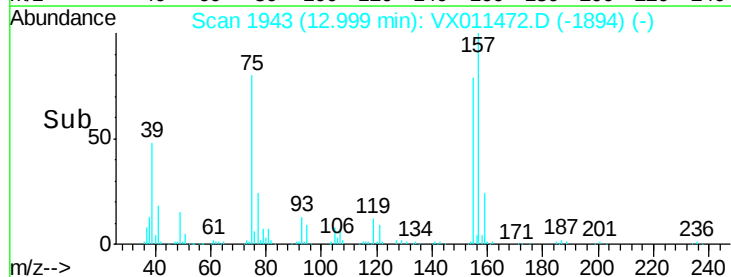
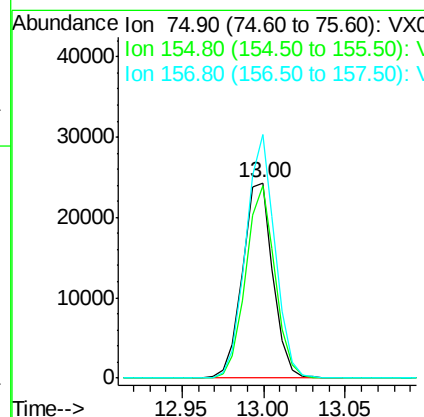
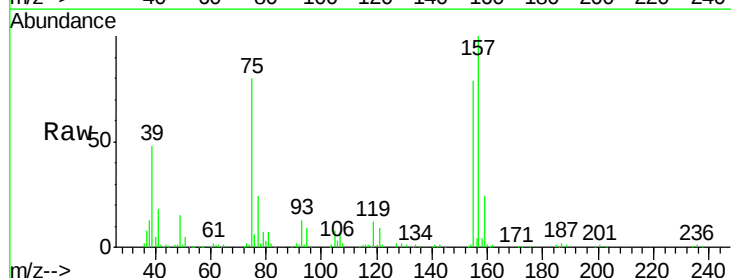
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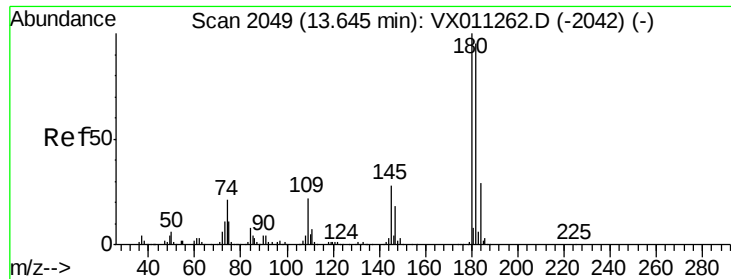
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.158 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31632		
155	94.2	51.9	155.8	
157	119.5	64.3	192.7	





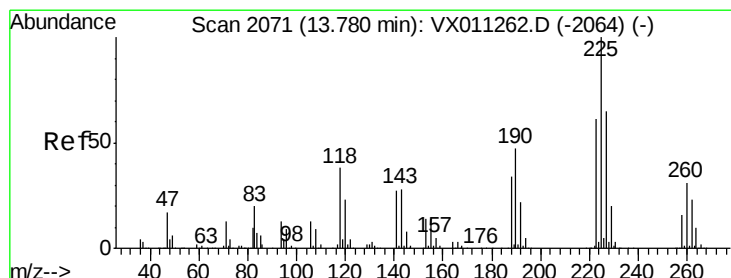
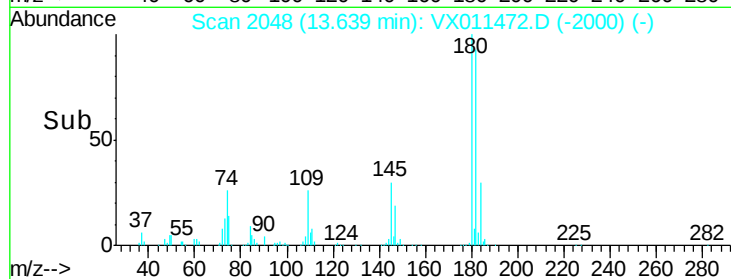
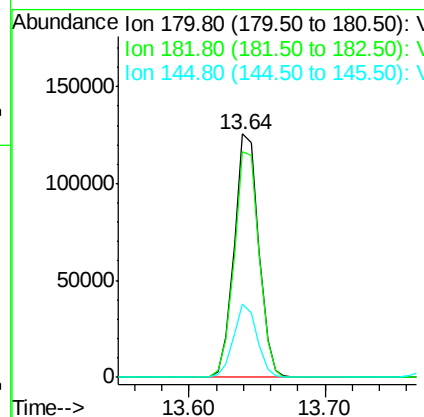
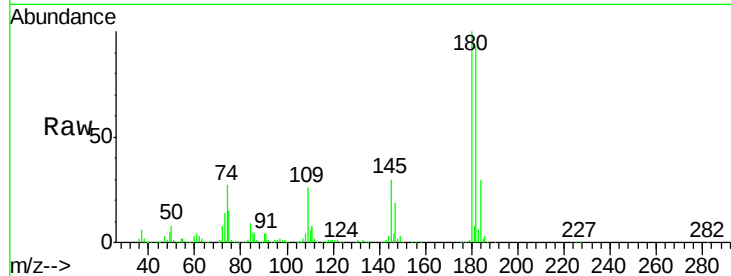
#93
 1,2,4-Trichlorobenzene
 Concen: 56.055 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156866		
182	94.2	47.8	143.4	
145	29.1	14.8	44.3	

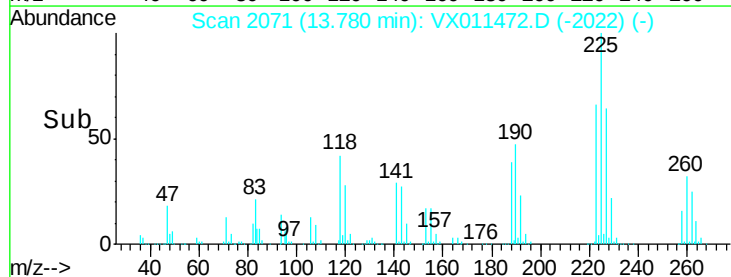
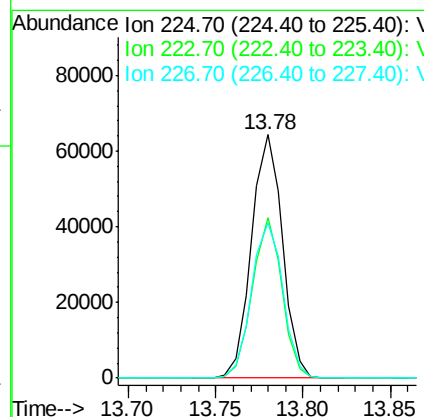
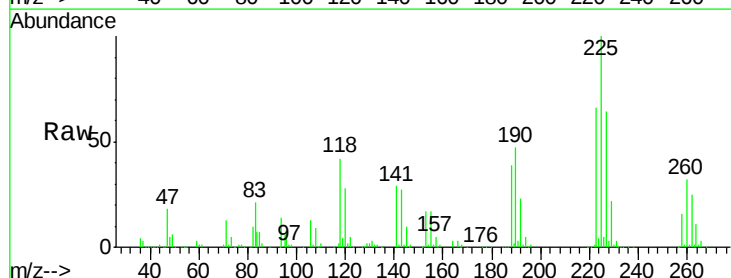
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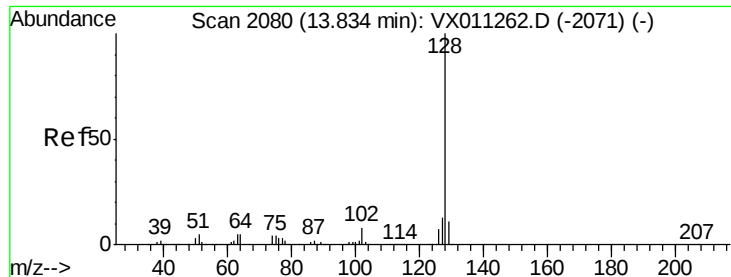
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#94
 Hexachlorobutadiene
 Concen: 55.871 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011472.D
 Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79326		
223	63.0	31.0	93.0	
227	64.6	32.2	96.6	





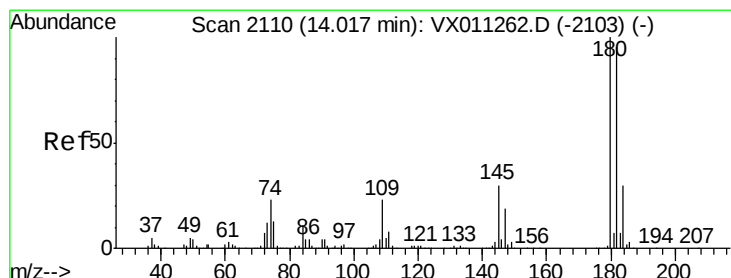
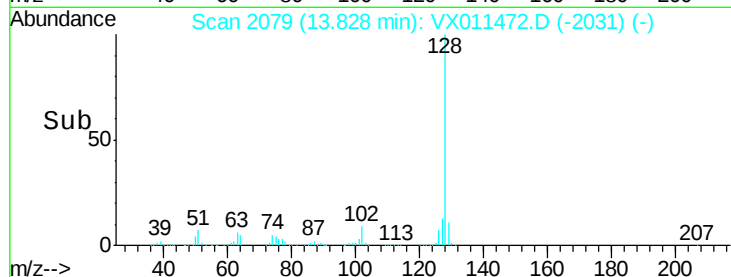
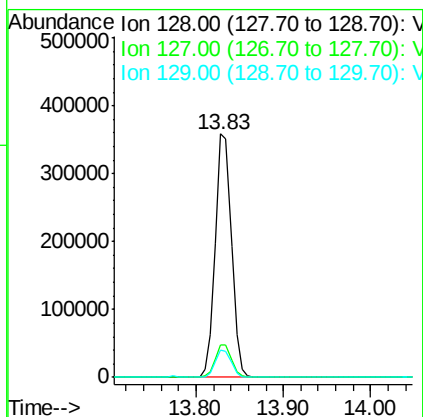
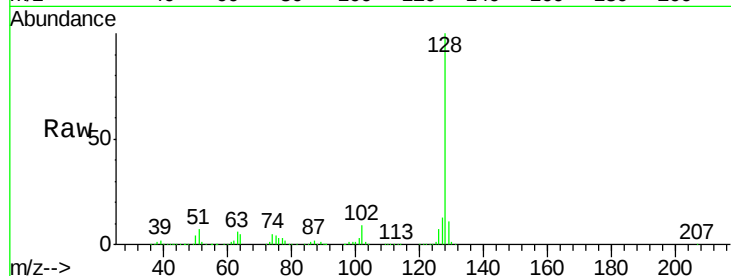
#95
Naphthalene
Concen: 56.106 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	459158		
127	13.3		10.4	15.6
129	11.2		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.169 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011472.D
Acq: 12 Aug 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	154110		
182	96.2		47.4	142.3
145	31.6		15.2	45.6

