

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\
 Data File : VX012572.D
 Acq On : 20 Sep 2019 21:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 11:28:45 AM

Quant Time: Sep 21 03:44:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	172881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	127362	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	127690	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	5.49	113	94628	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
50) Toluene-d8	8.71	98	348450	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	11.14	95	142463	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	52219	45.310	ug/l	100
3) Chloromethane	1.32	50	46010	48.409	ug/l	97
4) Vinyl Chloride	1.40	62	51248	49.888	ug/l	99
5) Bromomethane	1.62	94	18310	45.368	ug/l	97
6) Chloroethane	1.70	64	35661	44.361	ug/l	92
7) Trichlorofluoromethane	1.92	101	94583	50.227	ug/l	97
8) Diethyl Ether	2.18	74	42061	49.451	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67264	49.368	ug/l	97
10) Methyl Iodide	2.50	142	58304	49.877	ug/l	97
11) Tert butyl alcohol	3.04	59	158936	253.020	ug/l	100
12) 1,1-Dichloroethene	2.36	96	54001	49.683	ug/l	98
13) Acrolein	2.28	56	53470	245.733	ug/l	99
14) Allyl chloride	2.72	41	127574	50.415	ug/l	99
15) Acrylonitrile	3.13	53	281376	262.063	ug/l	99
16) Acetone	2.44	43	264145	232.768	ug/l	100
17) Carbon Disulfide	2.56	76	62654	41.094	ug/l	99
18) Methyl Acetate	2.77	43	136030	52.686	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	305409	51.535	ug/l	98
20) Methylene Chloride	2.84	84	75613	50.425	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	57622	51.052	ug/l	94
22) Diisopropyl ether	3.84	45	305985	51.643	ug/l	98
23) Vinyl Acetate	3.80	43	1267051	259.967	ug/l	99
24) 1,1-Dichloroethane	3.69	63	147440	52.010	ug/l	98
25) 2-Butanone	4.66	43	417221	242.752	ug/l	99
26) 2,2-Dichloropropane	4.57	77	117188	42.033	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	87774	52.058	ug/l	95
28) Bromochloromethane	5.00	49	74279	50.824	ug/l	96
29) Tetrahydrofuran	5.11	42	253038	266.501	ug/l	100
30) Chloroform	5.20	83	162107	49.791	ug/l	99
31) Cyclohexane	5.57	56	86152	50.343	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	137053	50.366	ug/l	99
36) 1,1-Dichloropropene	5.79	75	87227	48.631	ug/l	98
37) Ethyl Acetate	4.82	43	145820	52.963	ug/l	99
38) Carbon Tetrachloride	5.78	117	108947	48.837	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	84999	48.747	ug/l	96
40) Benzene	6.14	78	292816	51.337	ug/l	99
41) Methacrylonitrile	5.03	41	89239	50.337	ug/l	98
42) 1,2-Dichloroethane	6.19	62	130757	49.427	ug/l	99
43) Isopropyl Acetate	6.44	43	251387	50.871	ug/l	100
44) Trichloroethene	7.21	130	78635	52.410	ug/l	98
45) 1,2-Dichloropropane	7.51	63	90542	51.669	ug/l	98
46) Dibromomethane	7.65	93	56933	50.206	ug/l	100
47) Bromodichloromethane	7.89	83	126230	49.994	ug/l	97
48) Methyl methacrylate	7.76	41	117123	50.280	ug/l	99
49) 1,4-Dioxane	7.73	88	59279	1045.594	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	836765	258.208	ug/l	99
52) Toluene	8.78	92	187884	51.120	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	131440	50.079	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	137503	50.604	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	97086	51.273	ug/l	98
56) Ethyl methacrylate	9.17	69	155274	52.449	ug/l	97
57) 1,3-Dichloropropane	9.37	76	157305	52.068	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	434604	283.598	ug/l	99
59) 2-Hexanone	9.49	43	644248	254.819	ug/l	99
60) Dibromochloromethane	9.58	129	102590	53.190	ug/l	98
61) 1,2-Dibromoethane	9.67	107	91274	52.779	ug/l	99
64) Tetrachloroethene	9.33	164	74276	61.139	ug/l	91
65) Chlorobenzene	10.14	112	222631	50.879	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	95393	52.528	ug/l	99
67) Ethyl Benzene	10.25	91	390738	51.975	ug/l	99
68) m/p-Xylenes	10.36	106	286783	104.844	ug/l	99
69) o-Xylene	10.70	106	146125	51.945	ug/l	99
70) Styrene	10.71	104	268762	53.999	ug/l	98
71) Bromoform	10.86	173	72229	46.412	ug/l #	99
73) Isopropylbenzene	11.01	105	414426	51.860	ug/l	99
74) N-amyl acetate	10.89	43	226717	52.696	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	162553	51.855	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	133322m	45.571	ug/l	
77) Bromobenzene	11.25	156	102902	52.800	ug/l	98
78) n-propylbenzene	11.35	91	457637	51.382	ug/l	99
79) 2-Chlorotoluene	11.42	91	291365	50.285	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	350947	51.495	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47257	44.696	ug/l	96
82) 4-Chlorotoluene	11.51	91	338680	50.929	ug/l	100
83) tert-Butylbenzene	11.76	119	362883	49.691	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	358741	51.266	ug/l	99
85) sec-Butylbenzene	11.94	105	413416	51.374	ug/l	99
86) p-Isopropyltoluene	12.06	119	382744	51.797	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190609	51.993	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	195449	51.901	ug/l	99
89) n-Butylbenzene	12.39	91	321536	48.769	ug/l	99
90) Hexachloroethane	12.59	117	66530	49.103	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	202203	52.771	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	44465	54.713	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	131378	53.231	ug/l	99
94) Hexachlorobutadiene	13.78	225	53806	46.255	ug/l	99
95) Naphthalene	13.83	128	484353	55.154	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	135790	53.991	ug/l	99

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

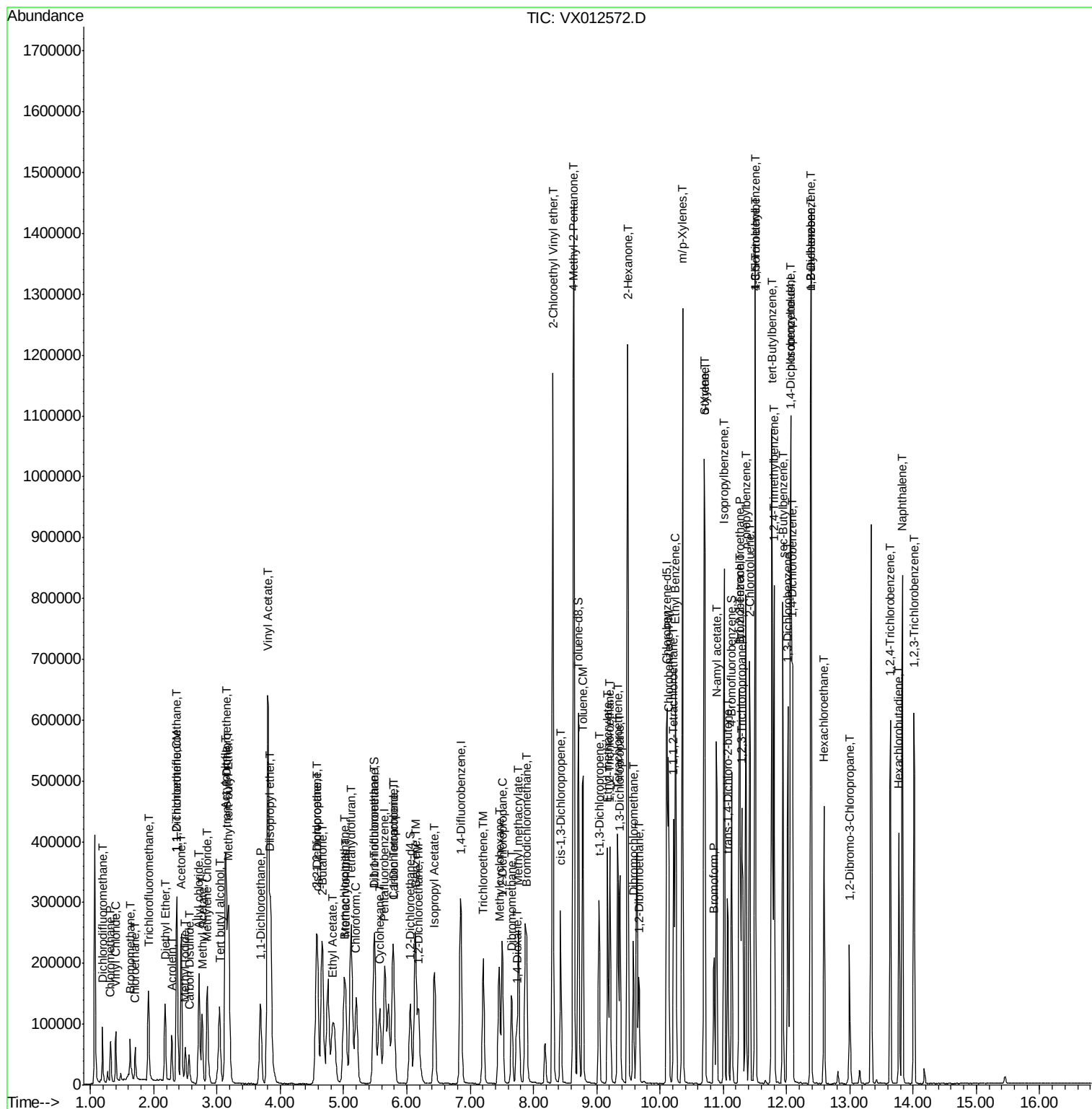
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\
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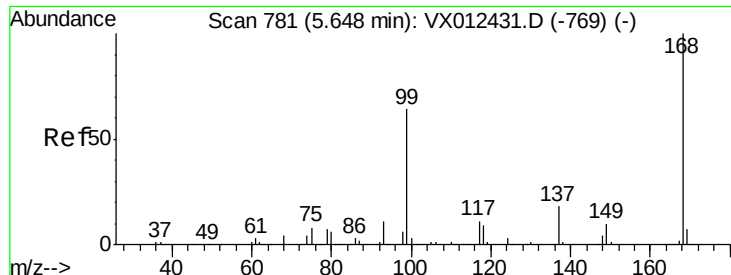
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 172881

Ion Ratio Lower Upper

168 100

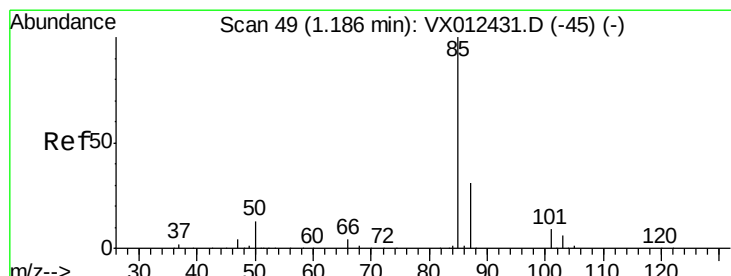
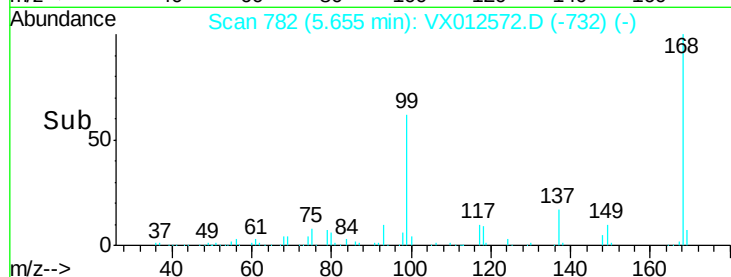
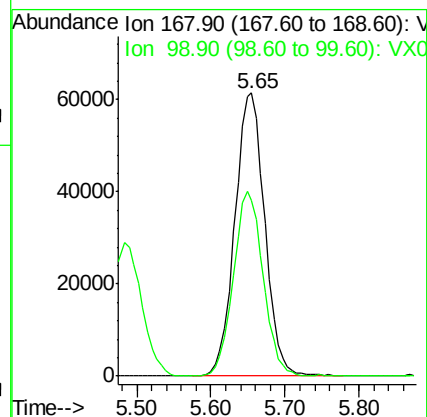
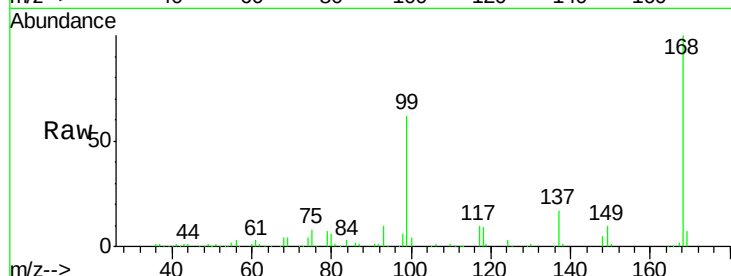
99 62.1 51.4 77.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.310 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012572.D

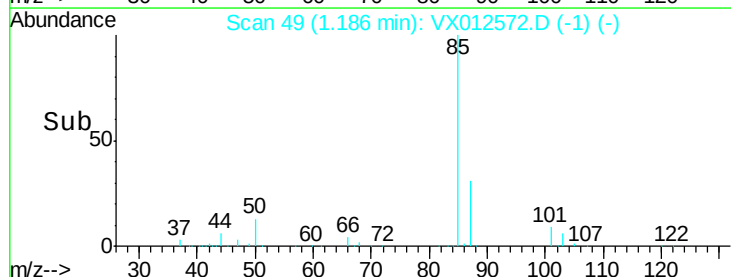
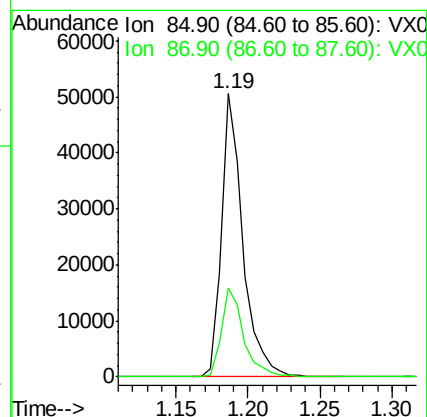
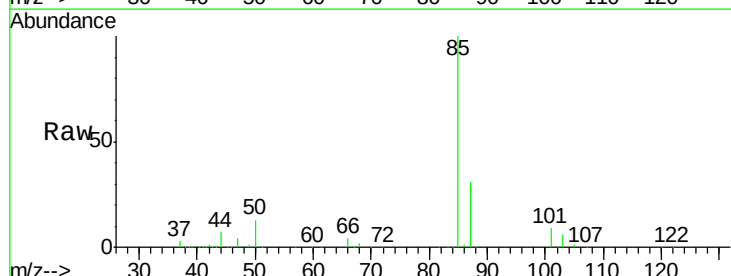
Acq: 20 Sep 2019 21:25

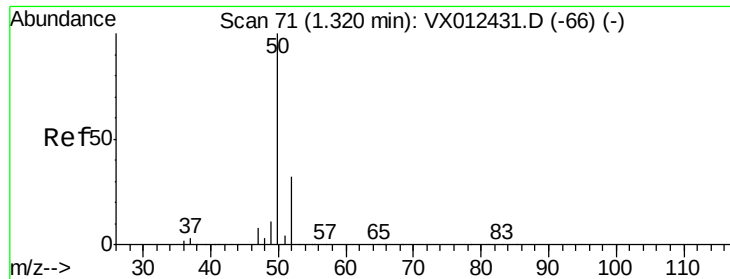
Tgt Ion: 85 Resp: 52219

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.8





#3

Chloromethane

Concen: 48.409 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 46010

Ion Ratio Lower Upper

50 100

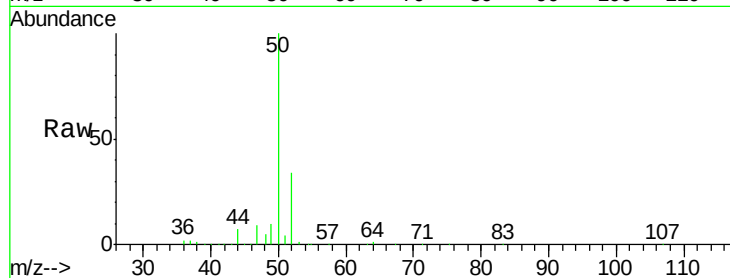
52 34.0 25.7 38.5

Manual Integrations

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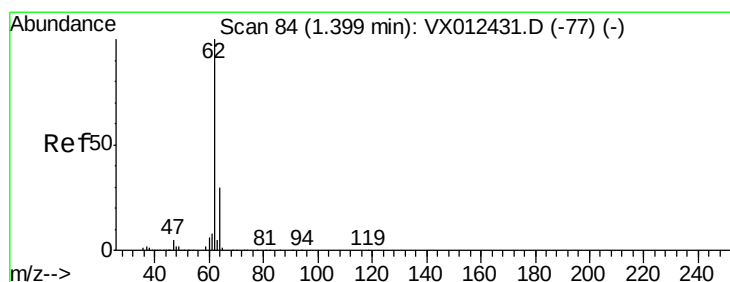
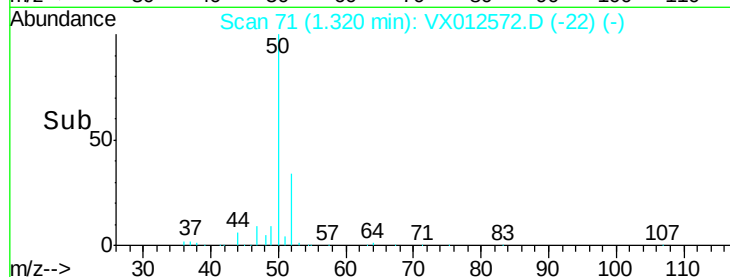
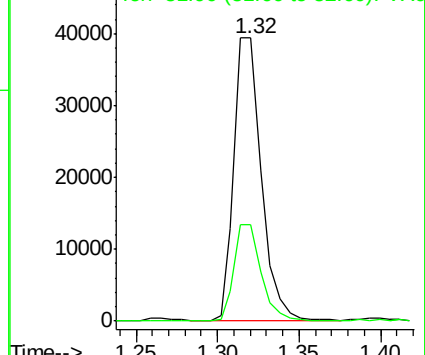
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.888 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012572.D

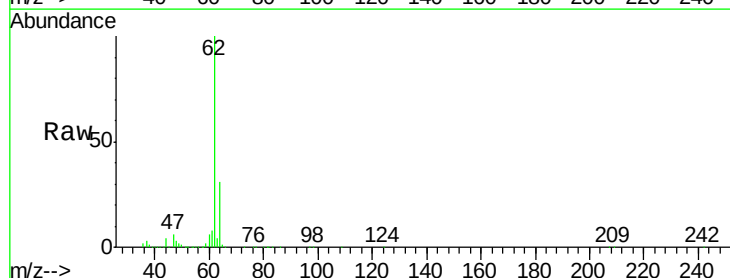
Acq: 20 Sep 2019 21:25

Tgt Ion: 62 Resp: 51248

Ion Ratio Lower Upper

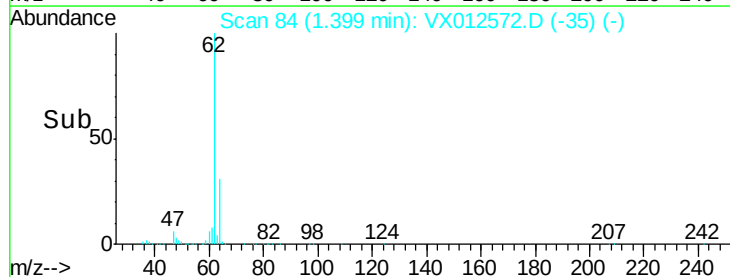
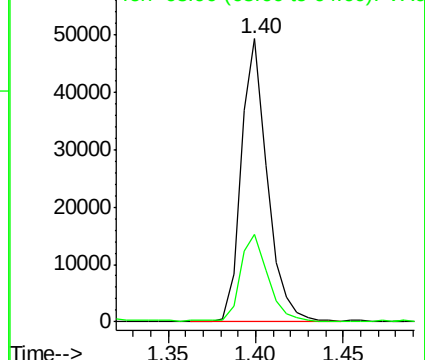
62 100

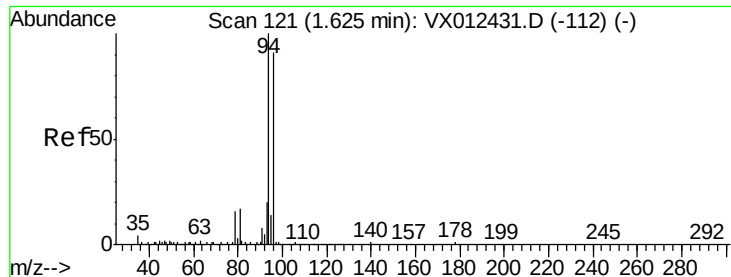
64 30.7 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.368 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 18310

Ion Ratio Lower Upper

94 100

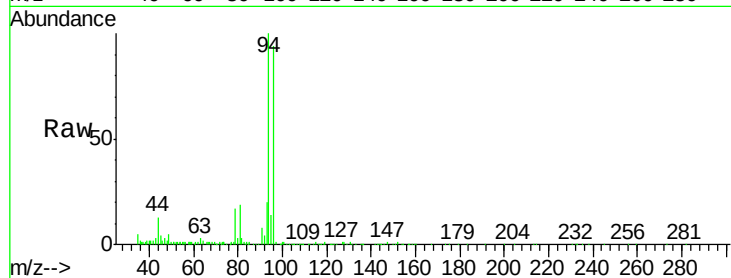
96 93.8 72.8 109.2

Manual Integrations

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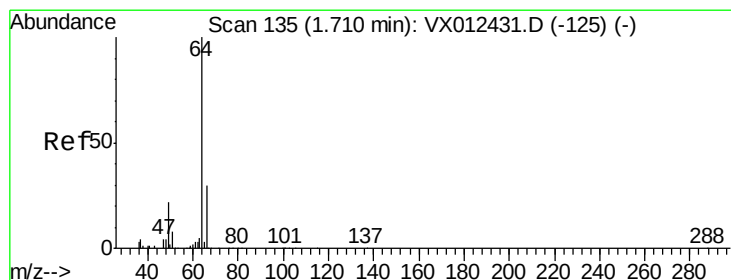
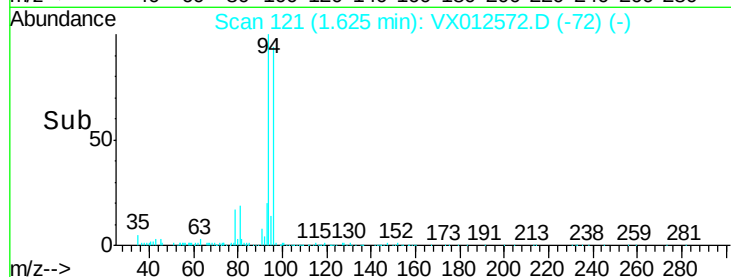
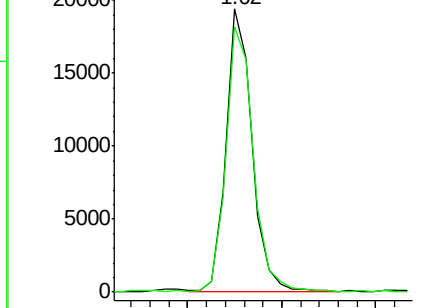
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.361 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012572.D

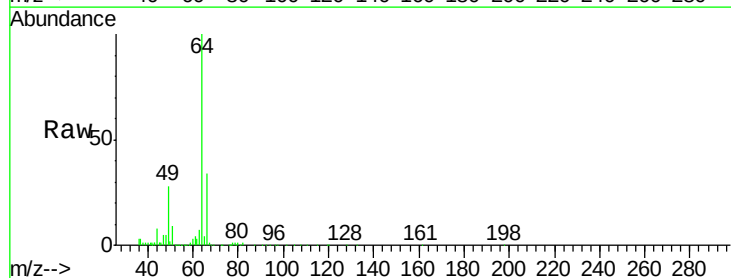
Acq: 20 Sep 2019 21:25

Tgt Ion: 64 Resp: 35661

Ion Ratio Lower Upper

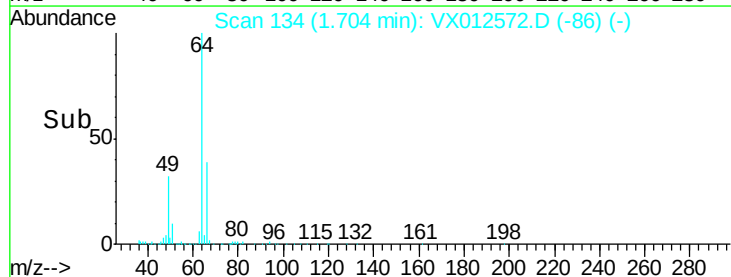
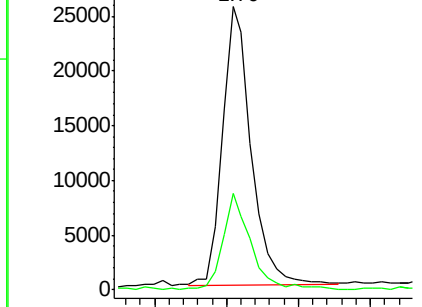
64 100

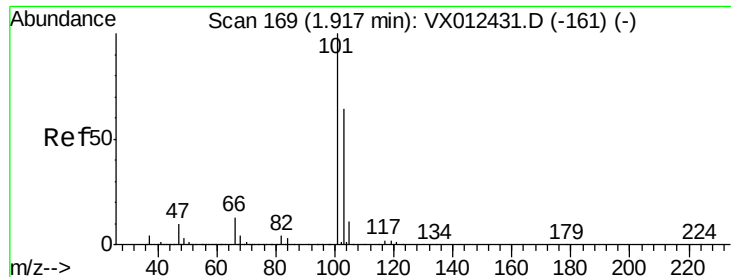
66 34.2 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

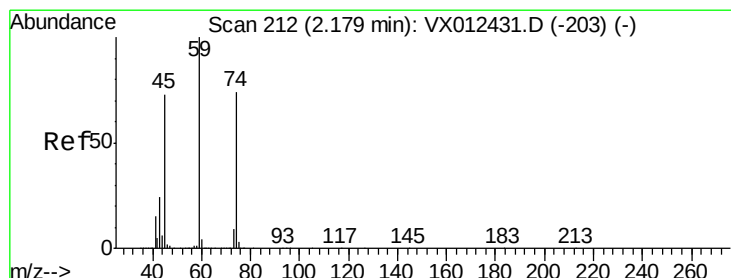
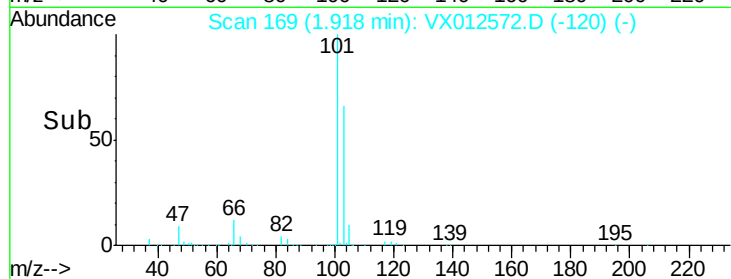
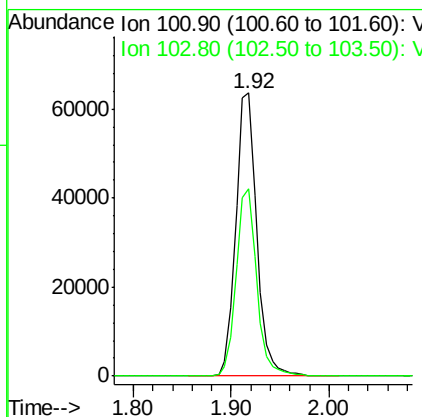
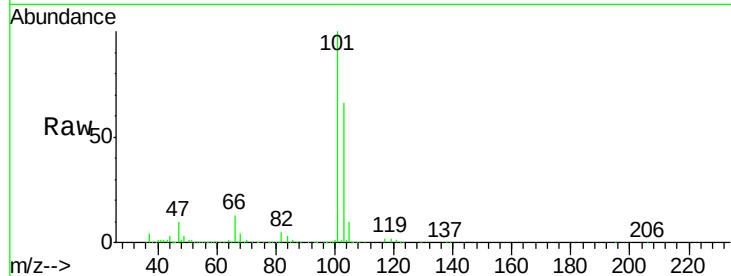
Trichlorofluoromethane
Concen: 50.227 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.0	76.4

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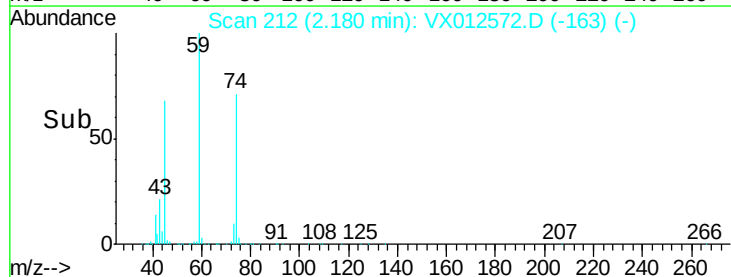
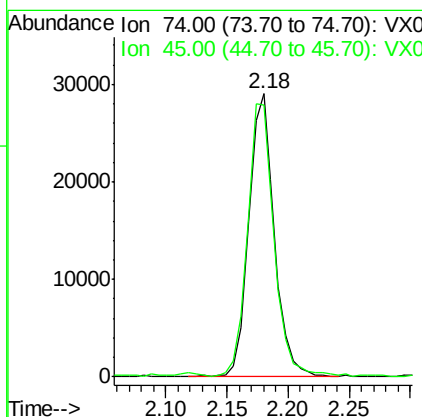
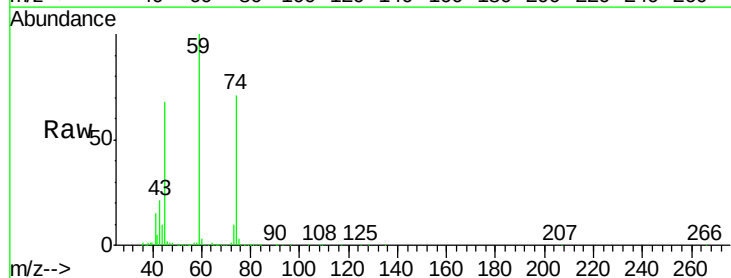
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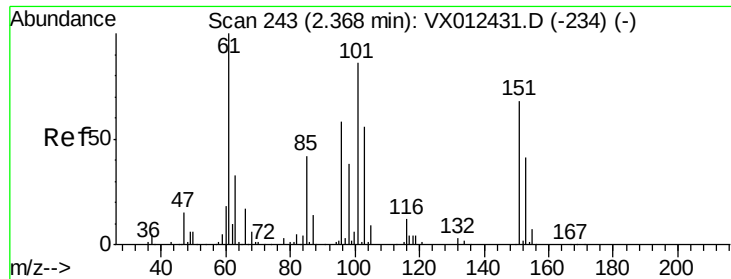


#8

Diethyl Ether
Concen: 49.451 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.368 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

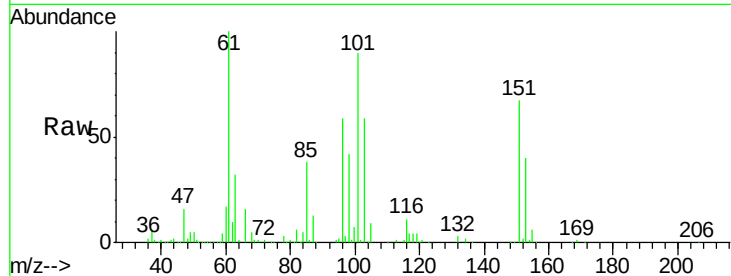
ClientSampleId :

VSTDCCC050

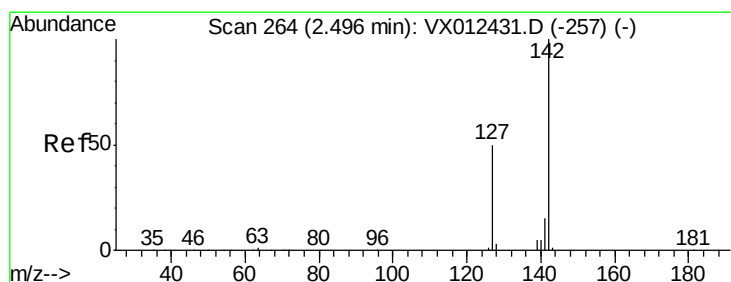
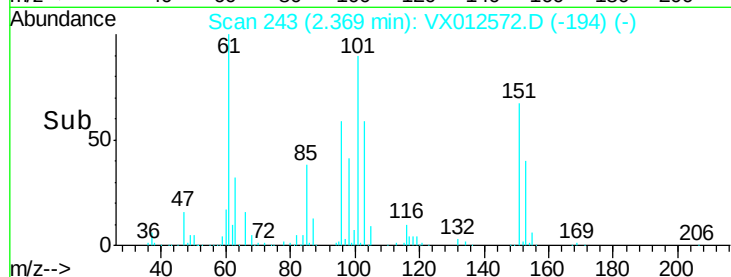
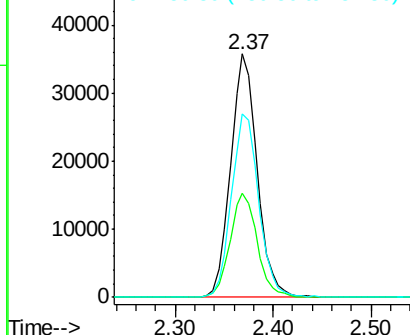
Tot Ion:	101	Resp:	67264
Ion Ratio	Lower	Upper	
101	100		
85	43.8	37.3	55.9
151	77.5	61.0	91.4

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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: 49.877 ug/l

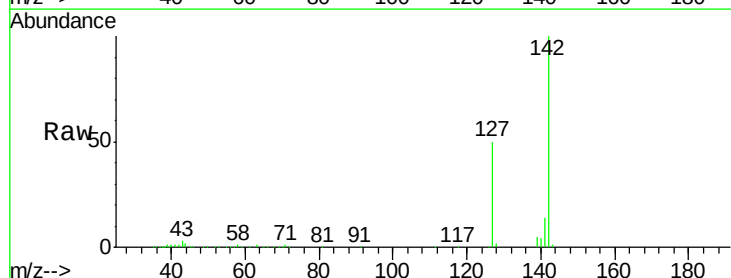
RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

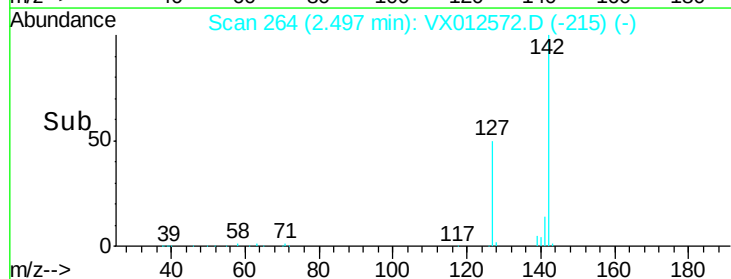
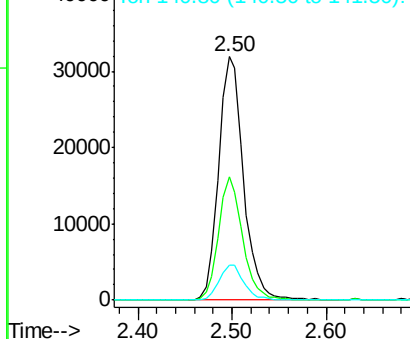
Lab File: VX012572.D

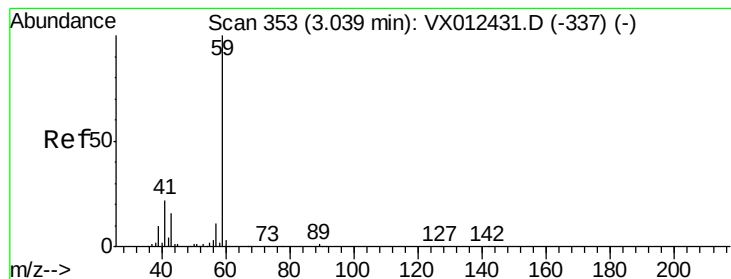
Acq: 20 Sep 2019 21:25

Tgt Ion:	142	Resp:	58304
Ion Ratio	Lower	Upper	
142	100		
127	48.8	40.8	61.2
141	14.4	12.1	18.1



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

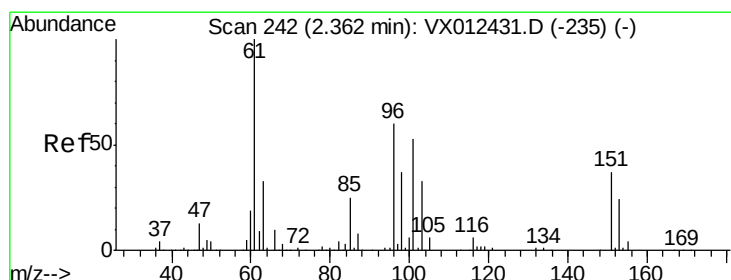
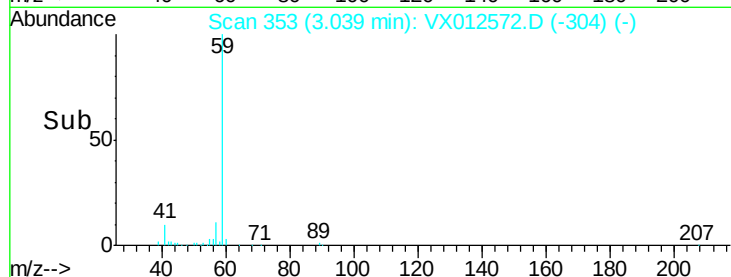
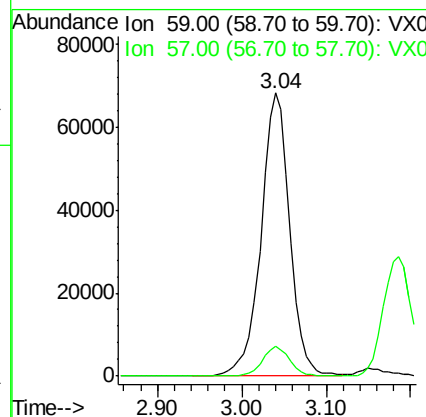
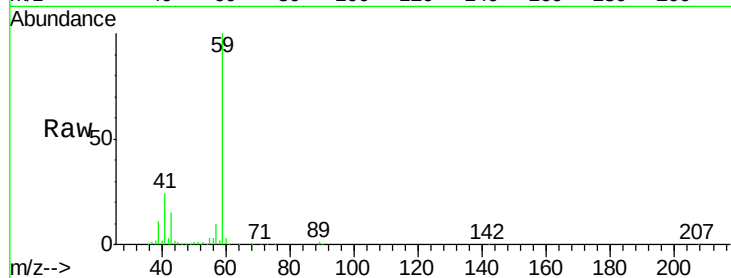
Tert butyl alcohol
 Concen: 253.020 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	158936		
57	10.3		8.3	12.5

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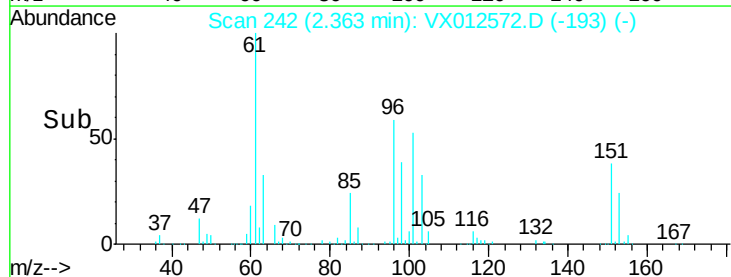
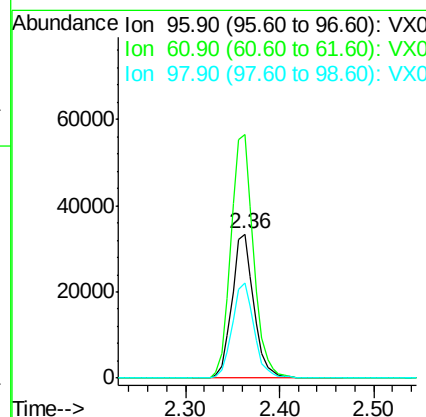
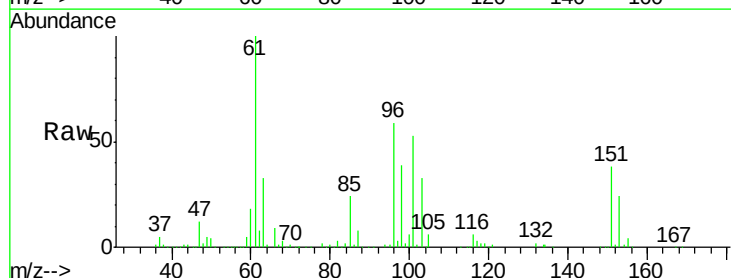
MMDadoda
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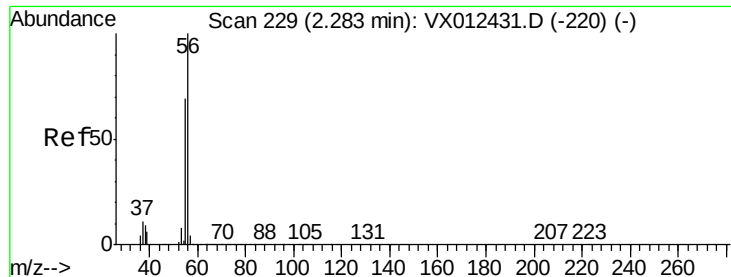


#12

1,1-Dichloroethene
 Concen: 49.683 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54001		
61	169.2		133.8	200.6
98	66.5		49.9	74.9





#13

Acrolein

Concen: 245.733 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 53470

Ion Ratio Lower Upper

56 100

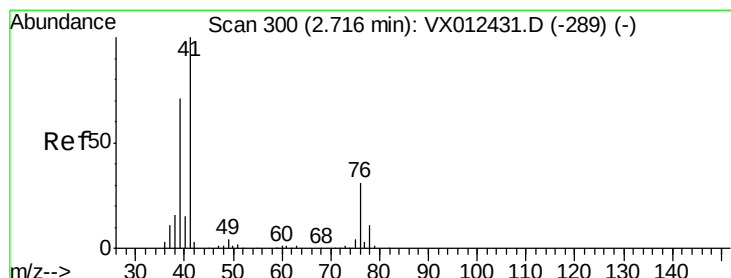
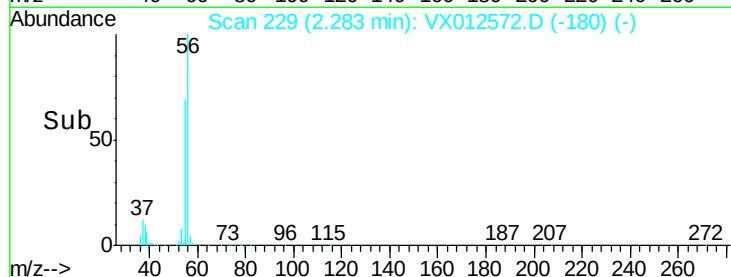
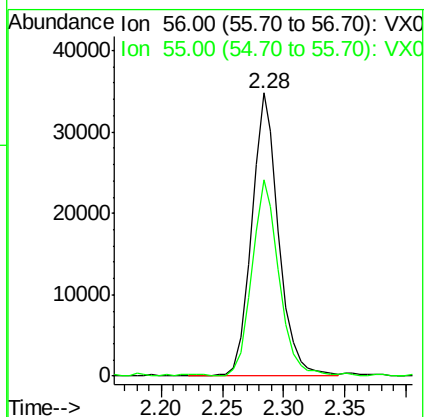
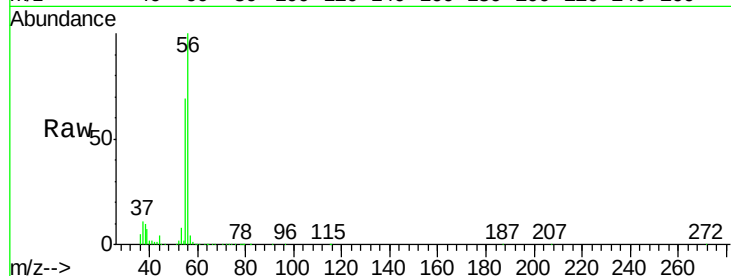
55 68.6 55.8 83.8

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#14

Allyl chloride

Concen: 50.415 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

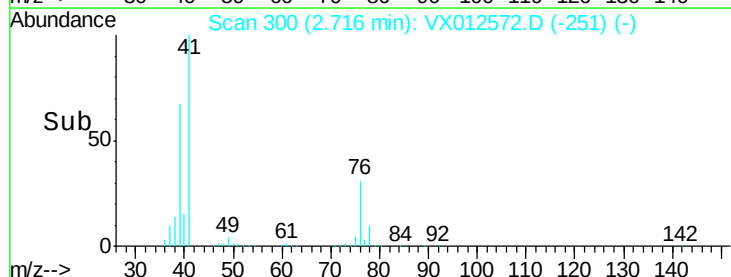
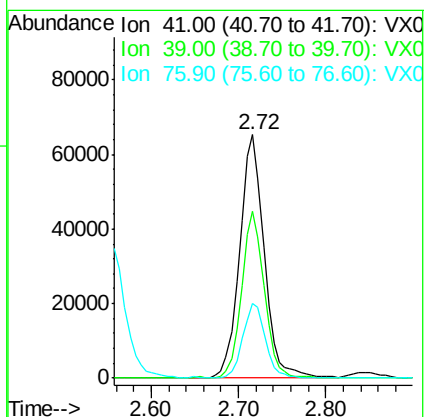
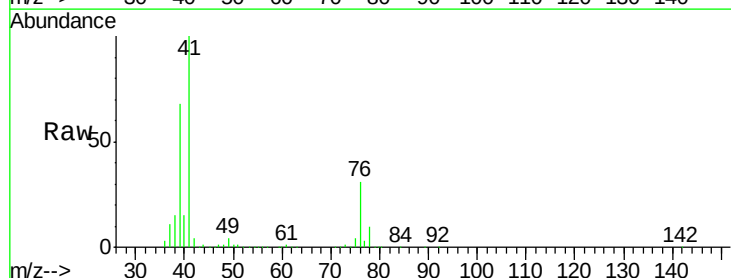
Tgt Ion: 41 Resp: 127574

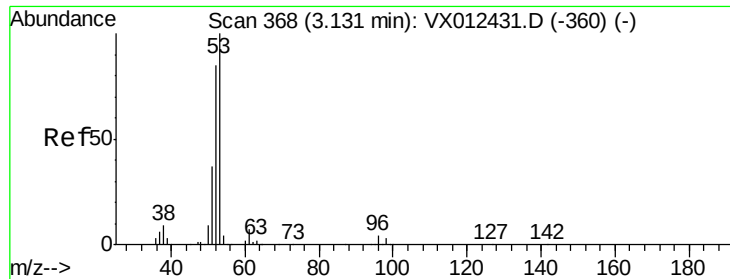
Ion Ratio Lower Upper

41 100

39 62.8 51.3 76.9

76 28.2 22.6 33.8





#15

Acrylonitrile

Concen: 262.063 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

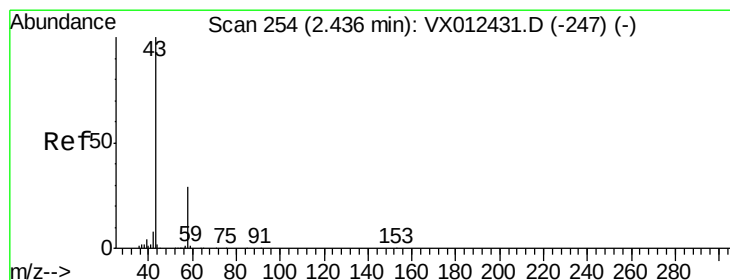
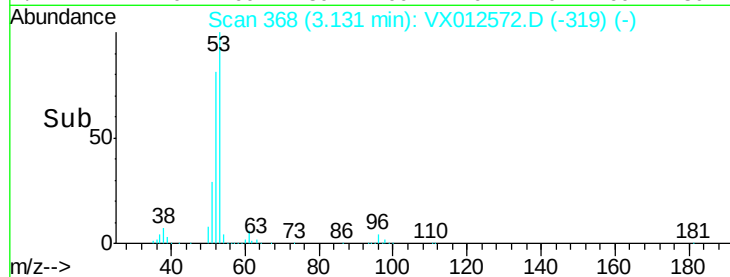
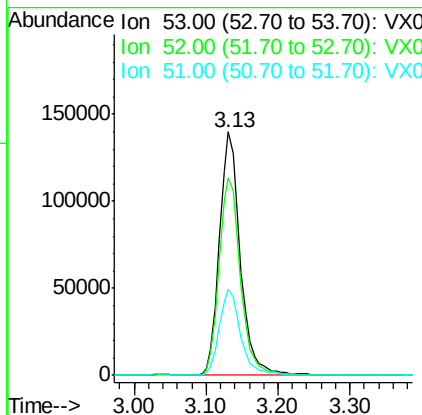
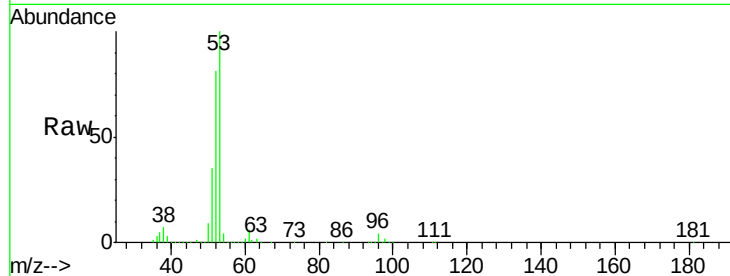
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	281376
Ion Ratio		Lower	Upper
53	100		
52	82.9	67.0	100.4
51	36.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 232.768 ug/l

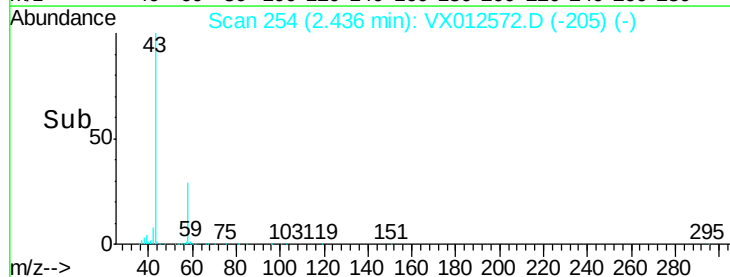
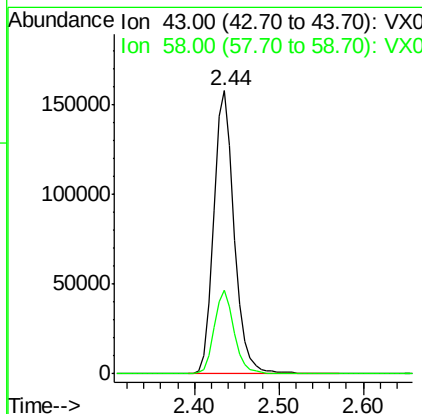
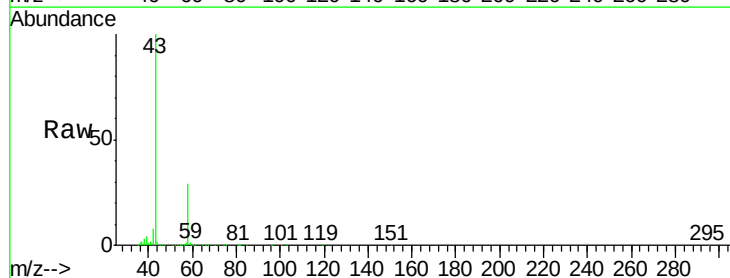
RT: 2.44 min Scan# 254

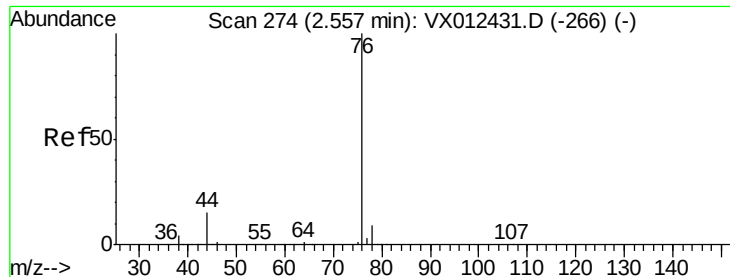
Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion:	43	Resp:	264145
Ion Ratio		Lower	Upper
43	100		
58	29.4	23.3	34.9





#17

Carbon Disulfide

Concen: 41.094 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 62654

Ion Ratio Lower Upper

76 100

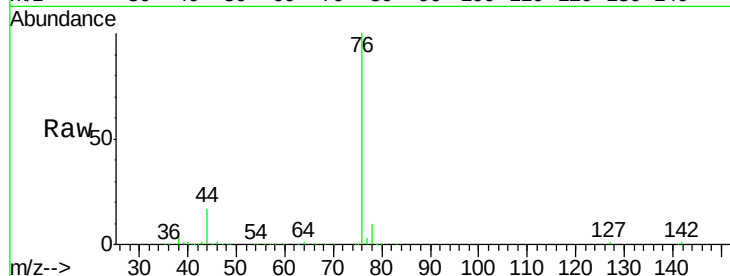
78 9.6 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

30000

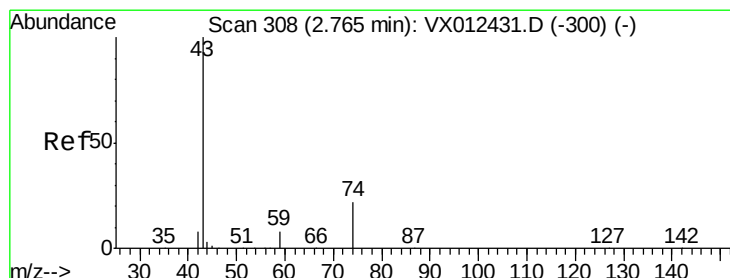
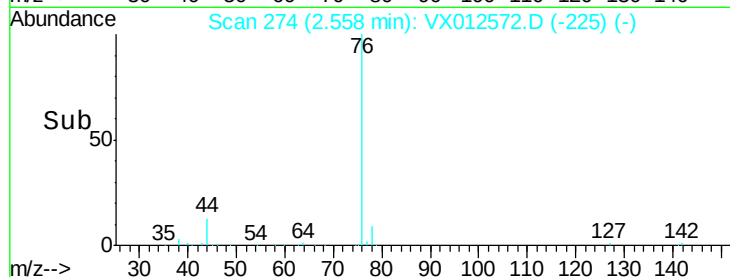
20000

10000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 52.686 ug/l

RT: 2.77 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012572.D

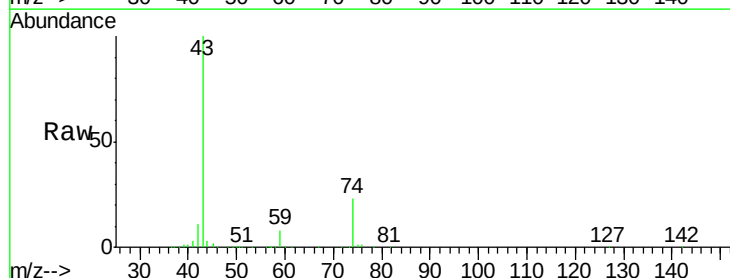
Acq: 20 Sep 2019 21:25

Tgt Ion: 43 Resp: 136030

Ion Ratio Lower Upper

43 100

74 22.4 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

80000

60000

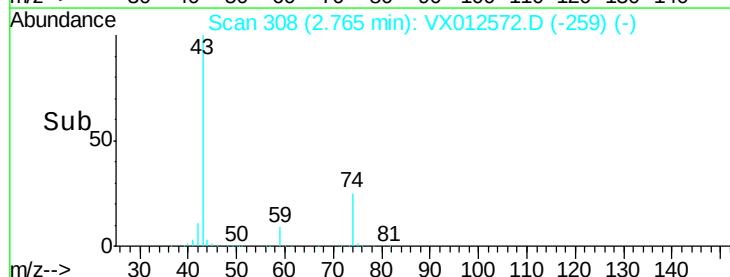
40000

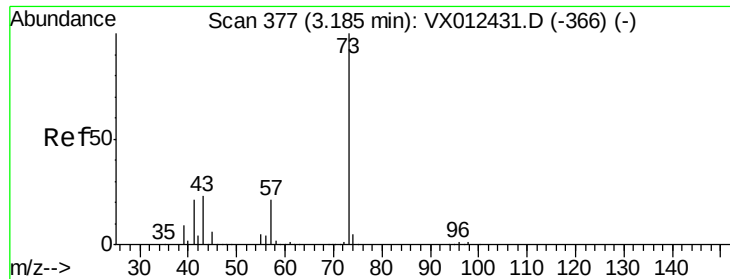
20000

0

Time-->

2.70 2.80 2.90





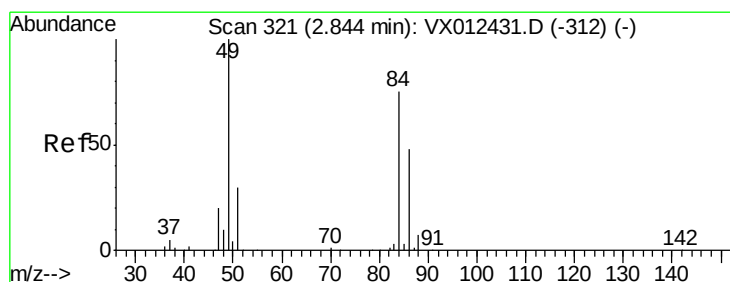
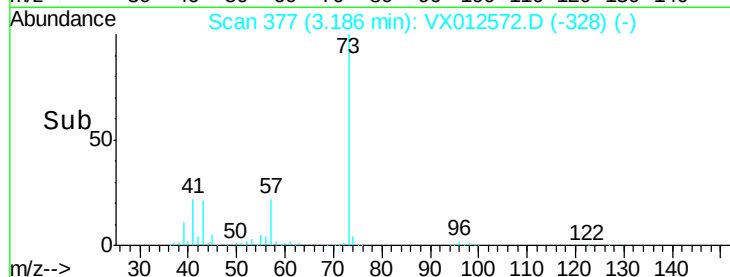
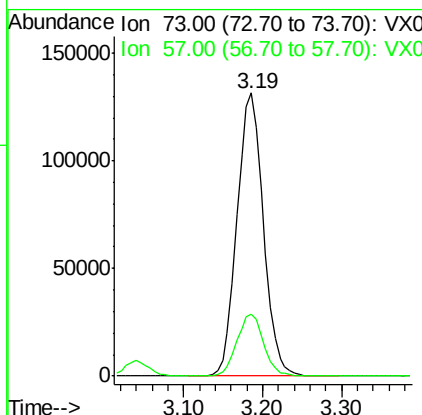
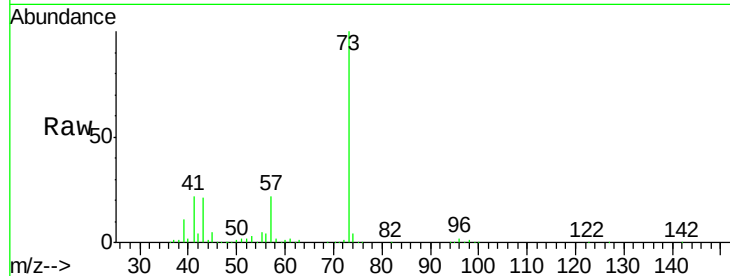
#19
Methyl tert-butyl Ether
Concen: 51.535 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	73	Resp	305409
Ion Ratio	100	Lower	Upper
73	100		
57	21.9	16.8	25.2

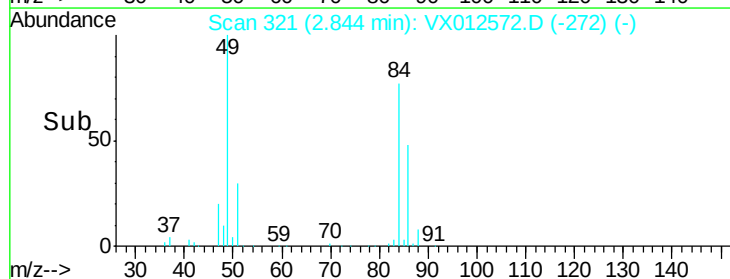
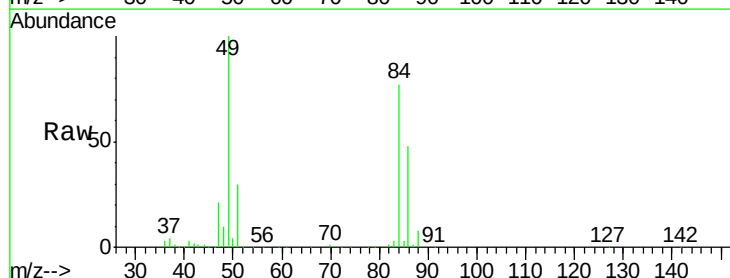
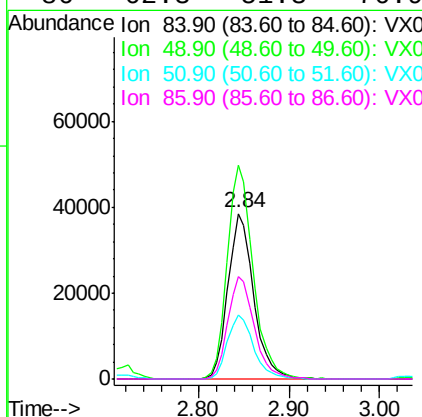
Manual Integrations
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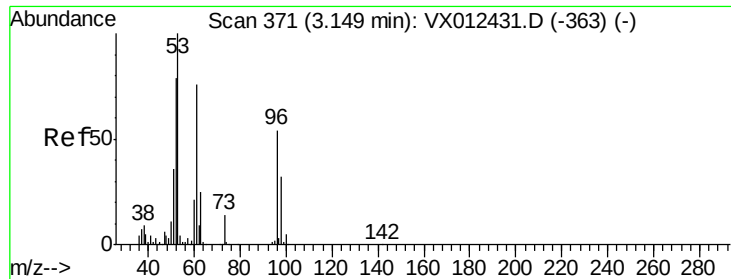
MMDadoda
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#20
Methylene Chloride
Concen: 50.425 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	84	Resp	75613
Ion Ratio	100	Lower	Upper
84	100		
49	129.1	106.8	160.2
51	38.7	32.3	48.5
86	62.3	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 51.052 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

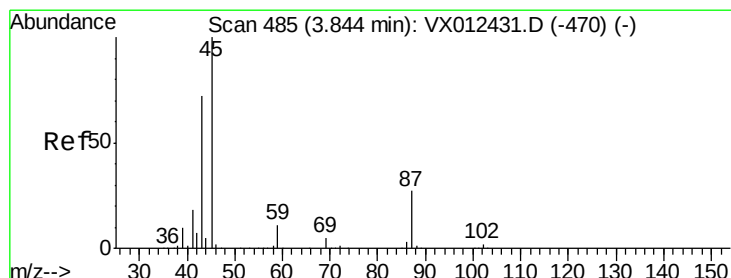
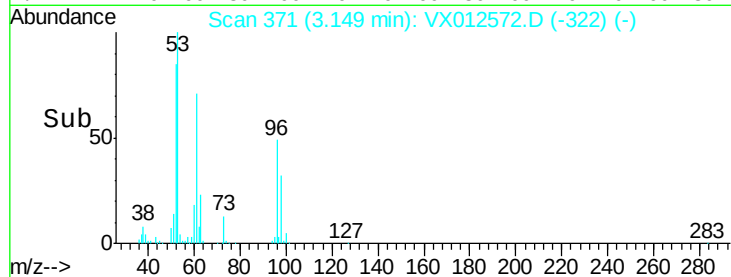
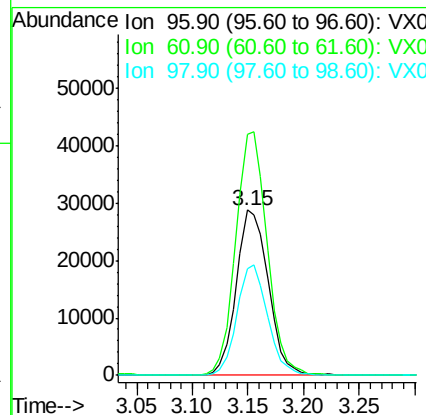
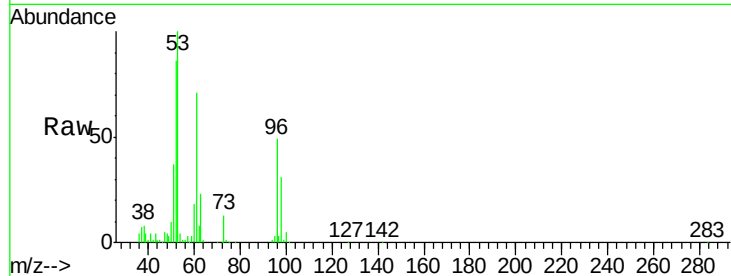
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	57622
Ion	Ratio	Lower	Upper
96	100		
61	146.3	112.0	168.0
98	64.9	47.8	71.8

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#22

Diisopropyl ether

Concen: 51.643 ug/l

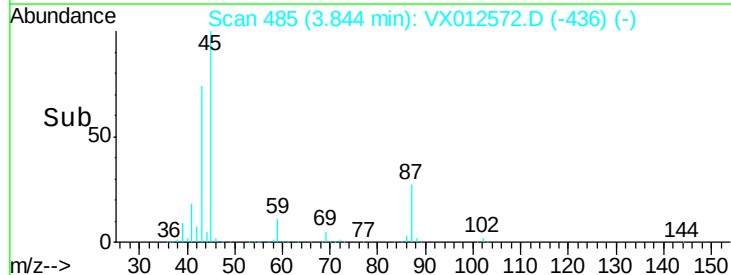
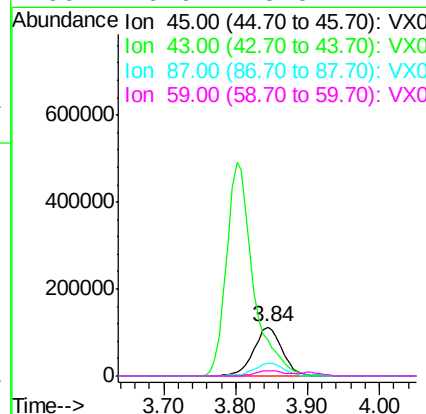
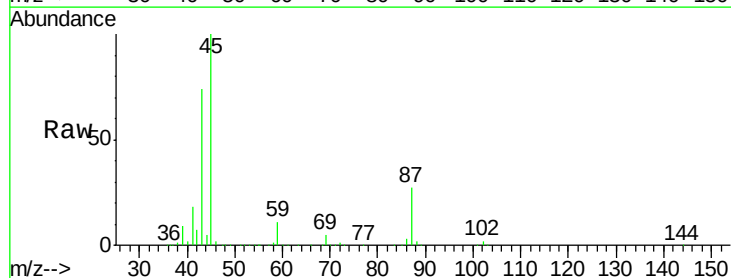
RT: 3.84 min Scan# 485

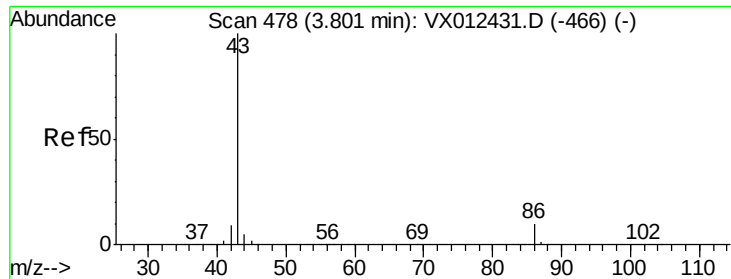
Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion:	45	Resp:	305985
Ion	Ratio	Lower	Upper
45	100		
43	73.9	57.8	86.8
87	27.0	21.3	31.9
59	10.9	8.5	12.7





#23

Vinyl Acetate

Concen: 259.967 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1267051

Ion Ratio Lower Upper

43 100

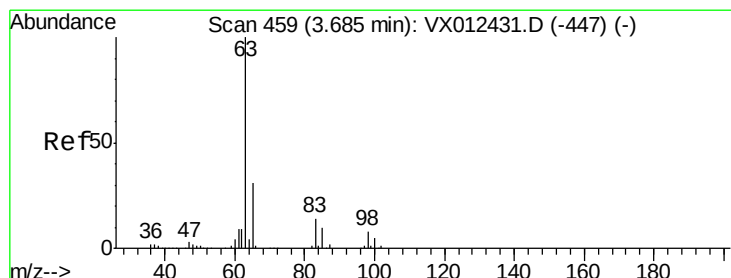
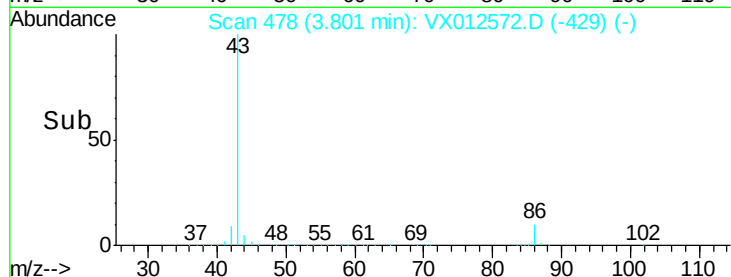
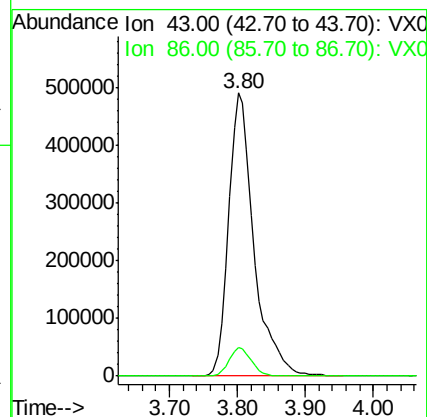
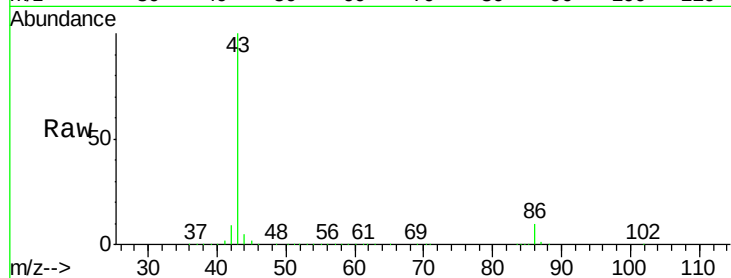
86 10.1 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.010 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

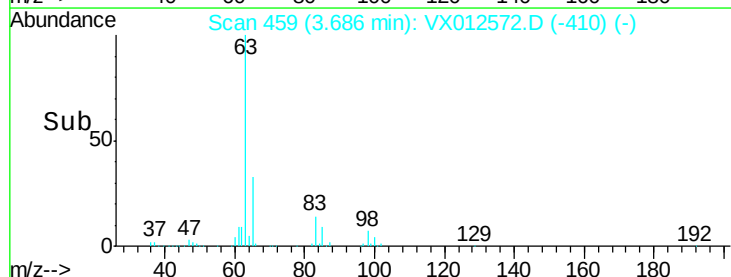
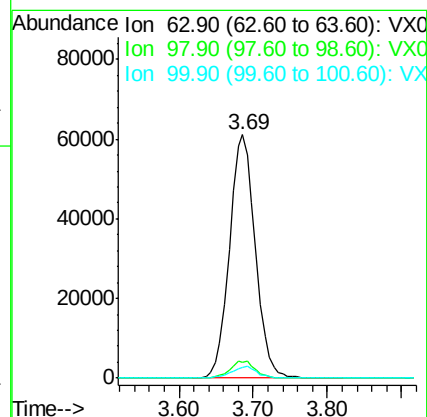
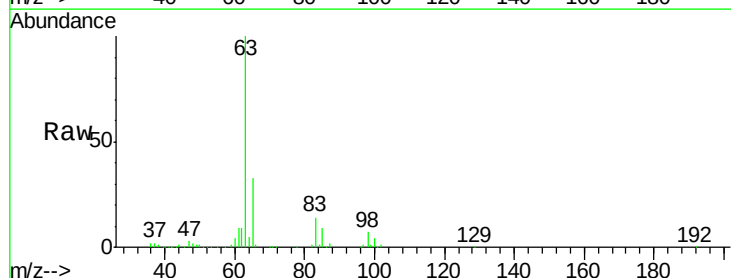
Tgt Ion: 63 Resp: 147440

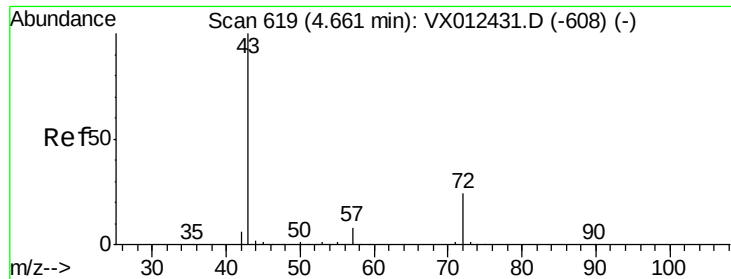
Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 242.752 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 417221

Ion Ratio Lower Upper

43 100

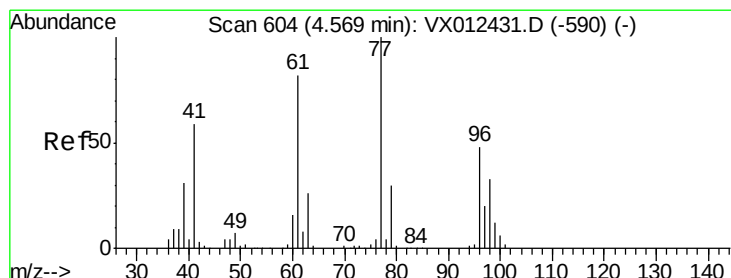
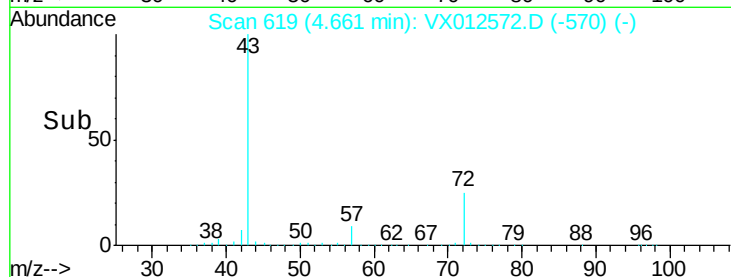
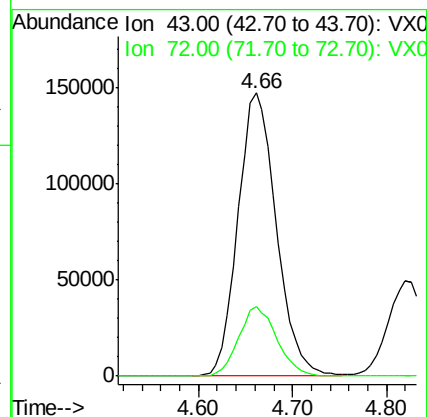
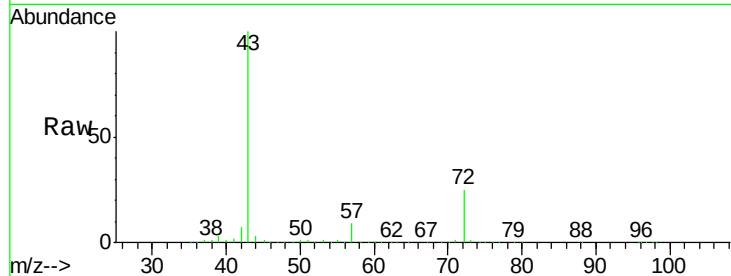
72 24.4 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.033 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012572.D

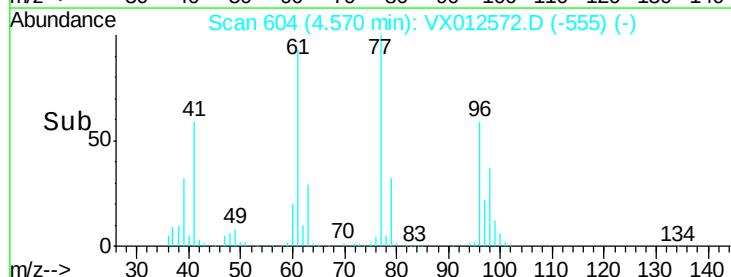
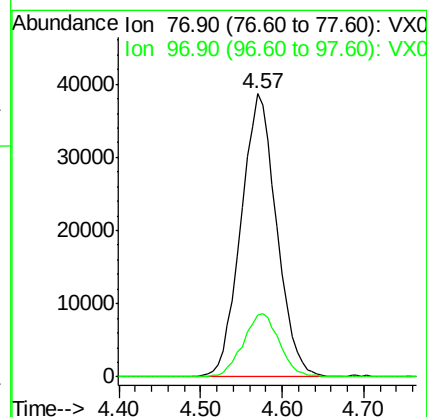
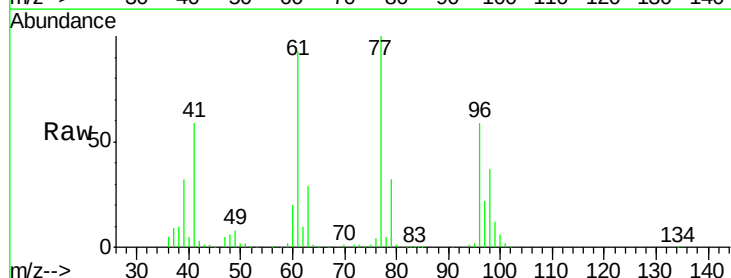
Acq: 20 Sep 2019 21:25

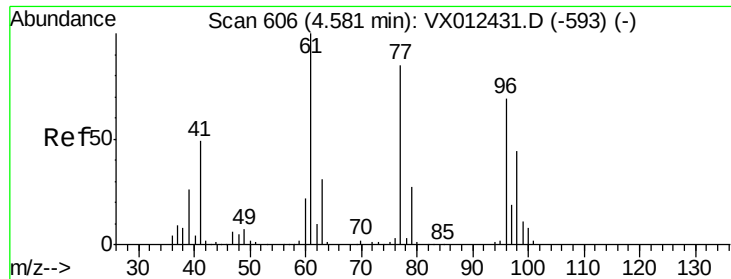
Tgt Ion: 77 Resp: 117188

Ion Ratio Lower Upper

77 100

97 22.8 10.5 31.6





#27

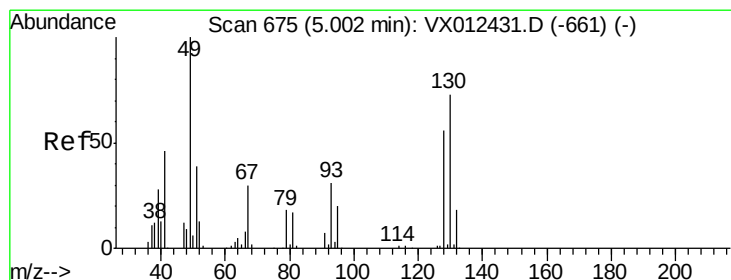
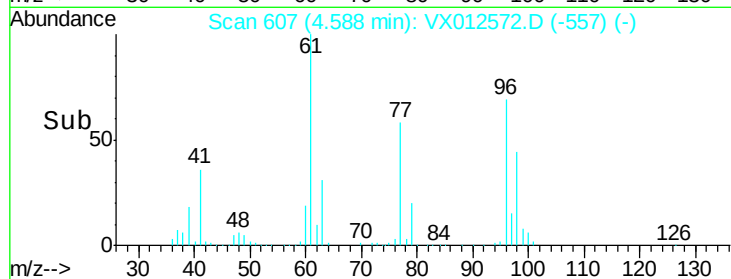
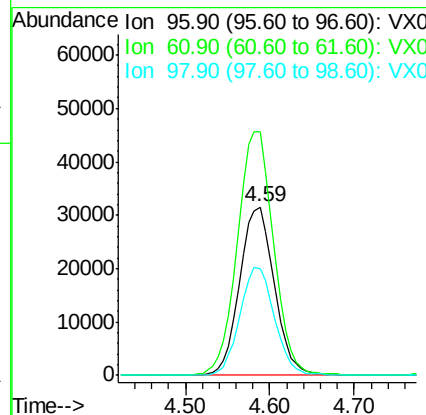
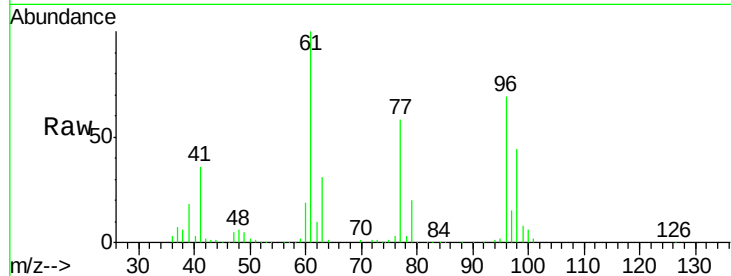
cis-1,2-Dichloroethene
 Concen: 52.058 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	319.4
98	64.0	0.0	130.6

Manual Integrations
 APPROVED

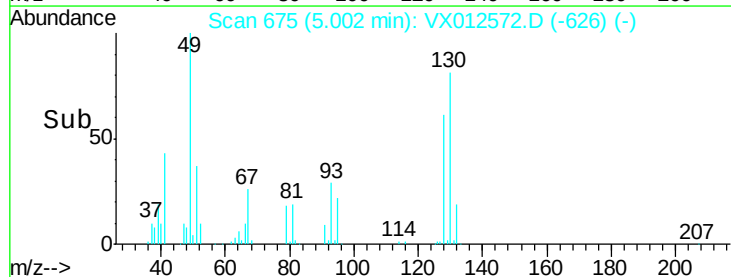
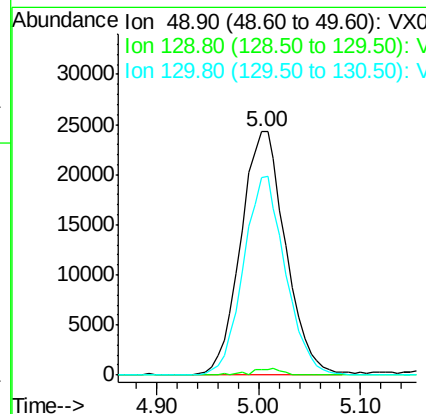
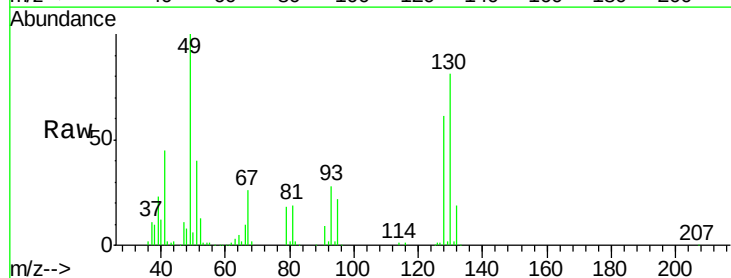
MMDadoda
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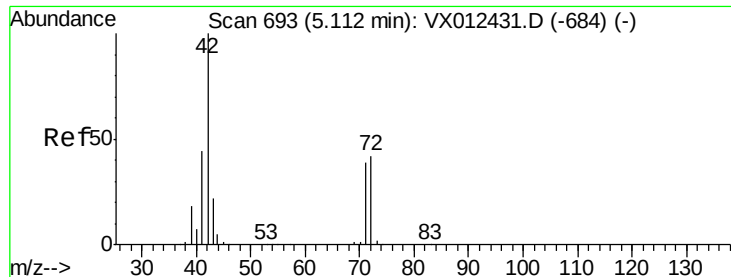


#28

Bromochloromethane
 Concen: 50.824 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	76.4	58.2	87.4





#29

Tetrahydrofuran

Concen: 266.501 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

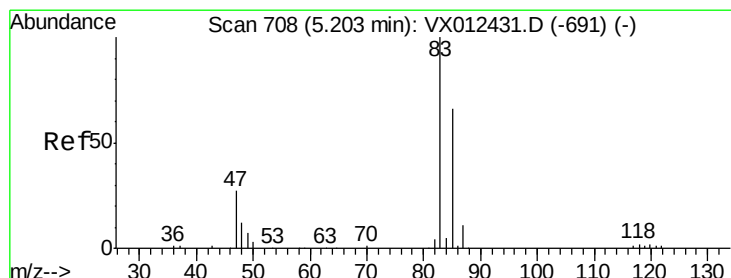
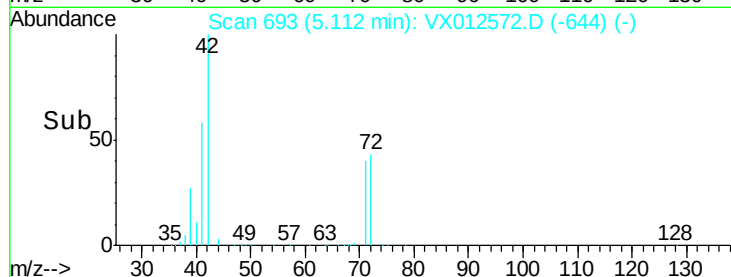
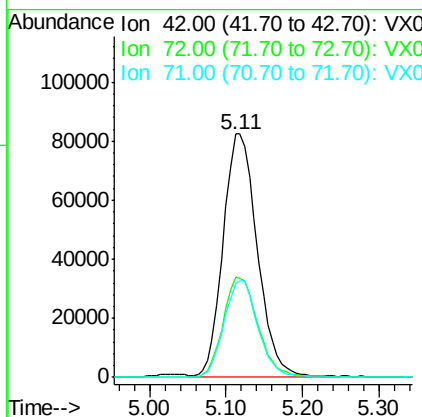
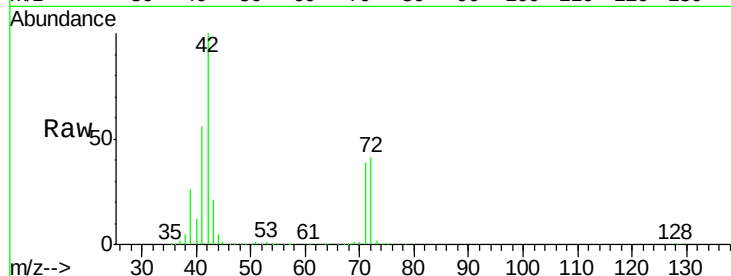
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	253038
Ion Ratio		Lower	Upper
42	100		
72	42.5	34.0	51.0
71	39.5	31.5	47.3

Manual Integrations
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#30

Chloroform

Concen: 49.791 ug/l

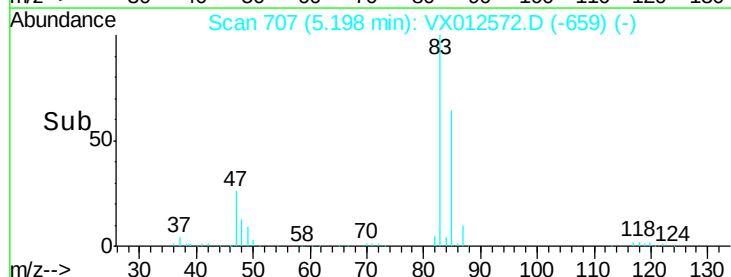
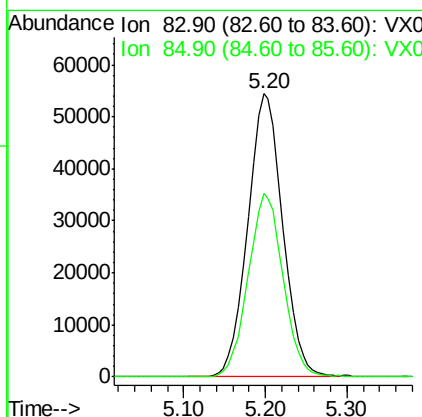
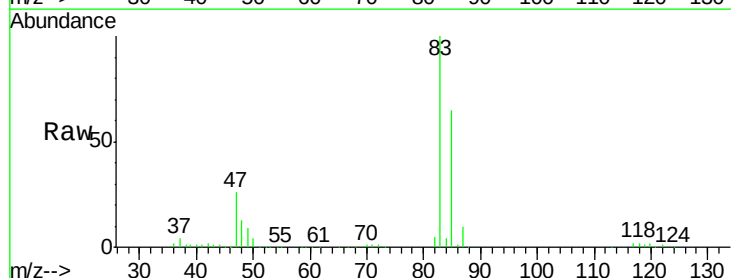
RT: 5.20 min Scan# 707

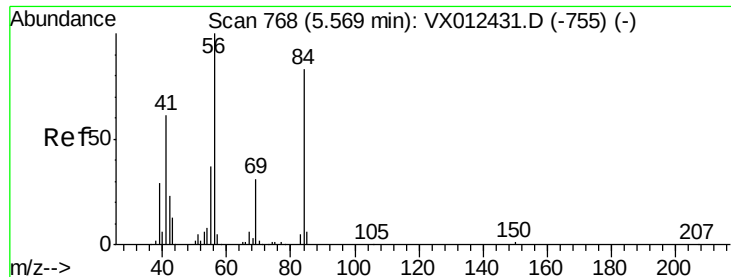
Delta R.T. -0.01 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion:	83	Resp:	162107
Ion Ratio		Lower	Upper
83	100		
85	65.0	53.0	79.4





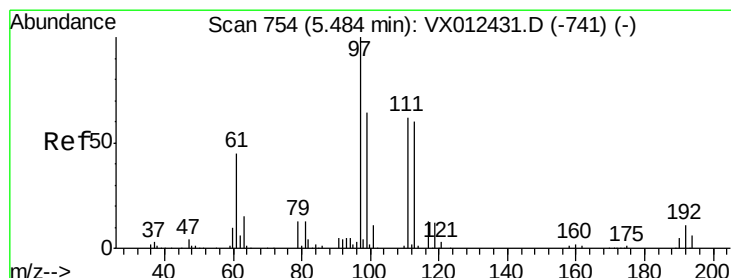
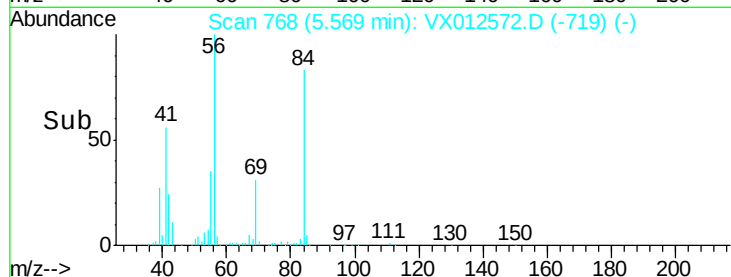
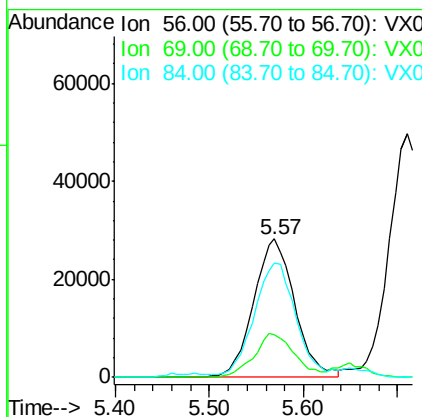
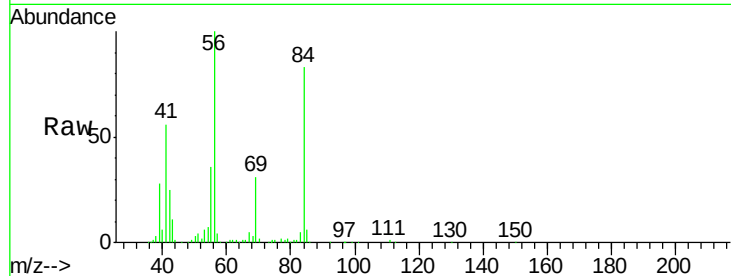
#31
Cyclohexane
Concen: 50.343 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.6
84	80.5	66.4	99.6

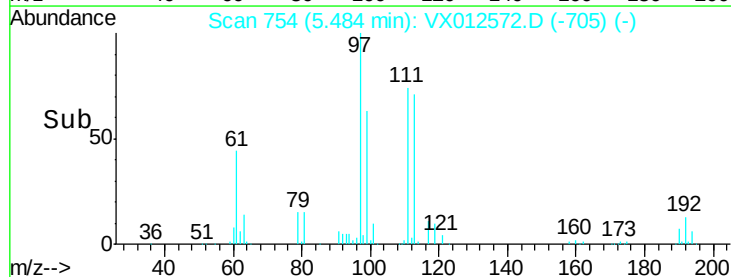
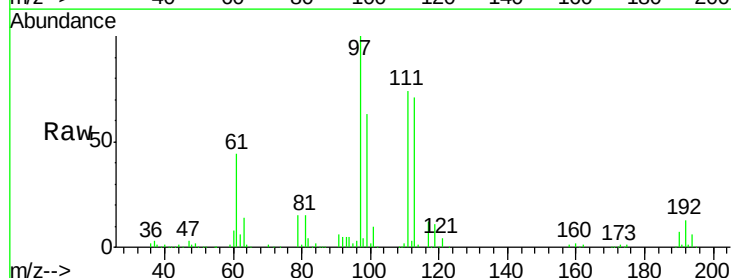
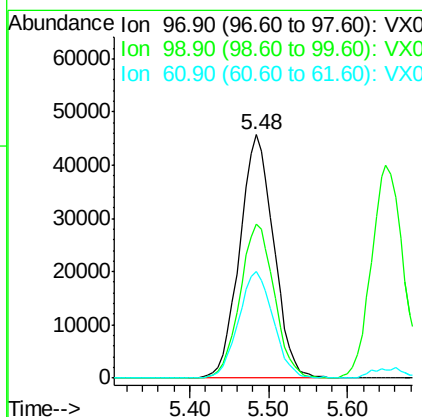
Manual Integrations
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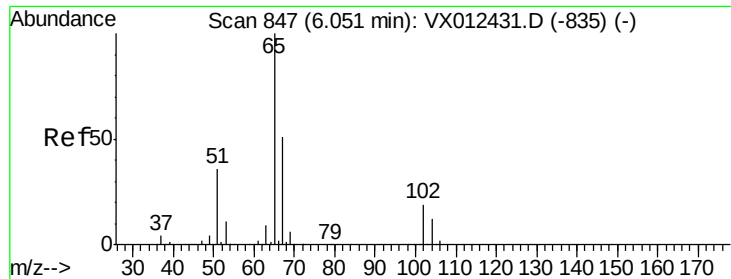
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#32
1,1,1-Trichloroethane
Concen: 50.366 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	44.6	36.1	54.1





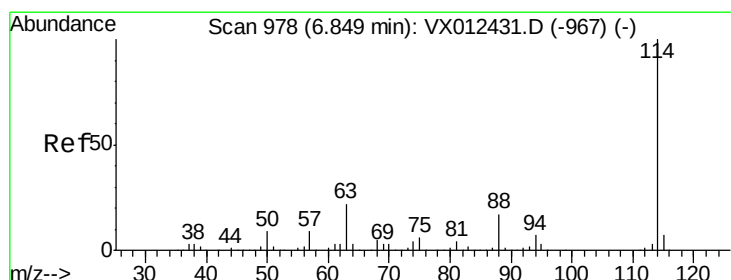
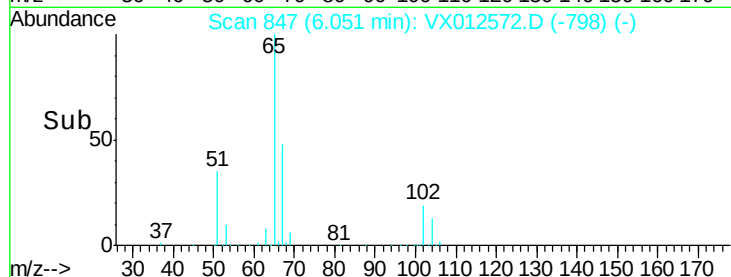
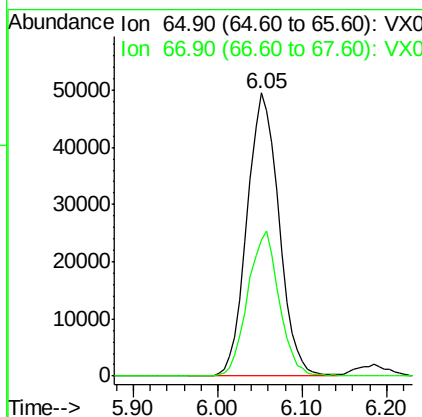
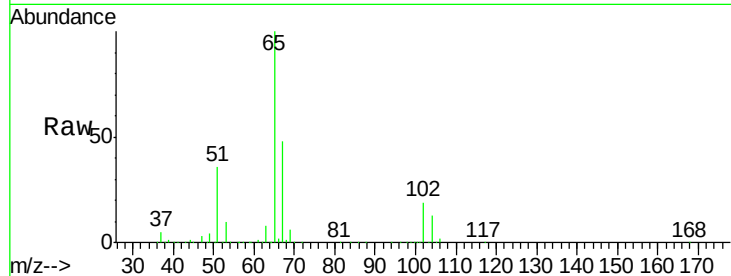
#33
 1,2-Dichloroethane-d4
 Concen: 51.535 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	101.2

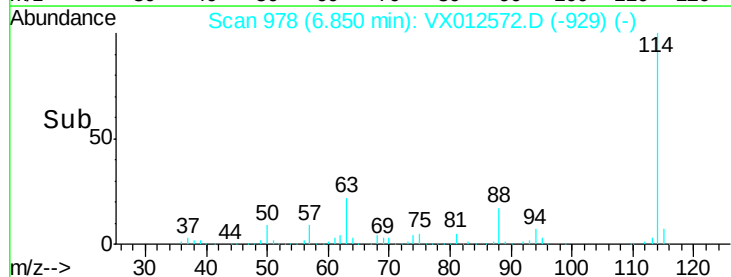
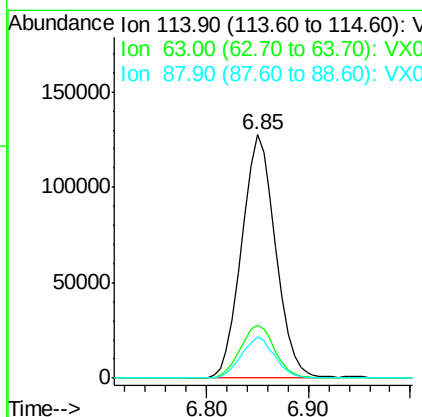
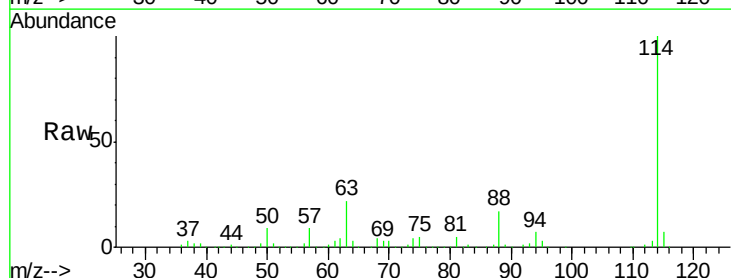
Manual Integrations
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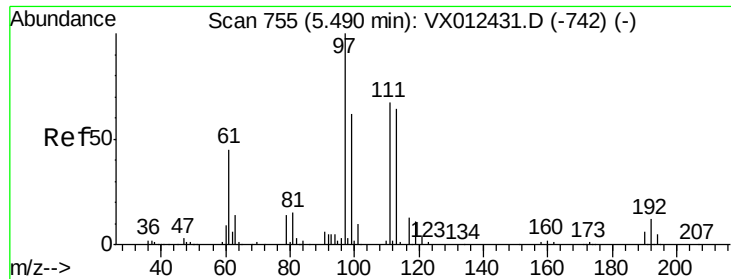
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	17.1	0.0	33.2





#35

Dibromofluoromethane

Concen: 52.974 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

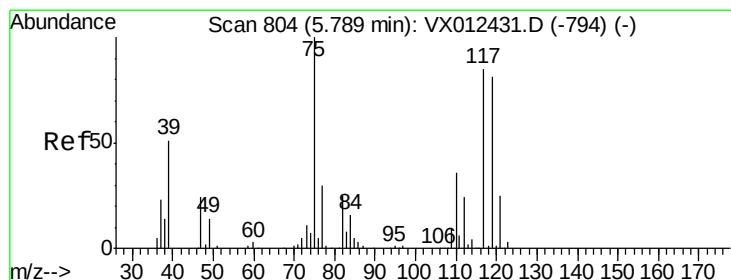
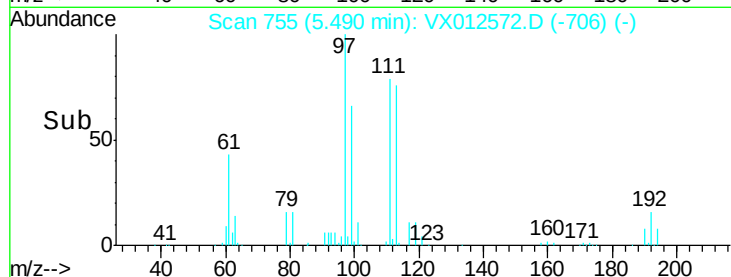
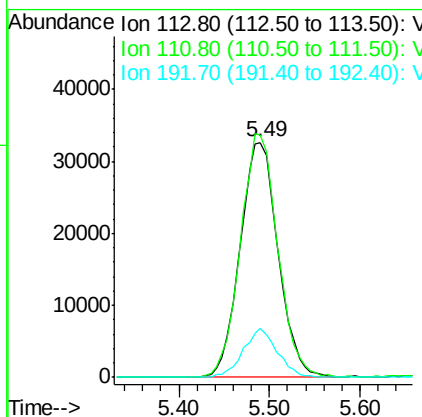
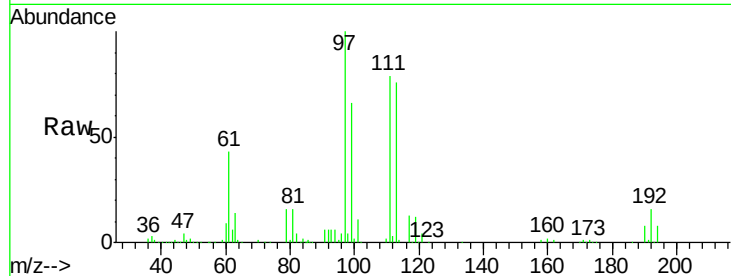
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	94628
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.4	125.2
192	18.7	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.631 ug/l

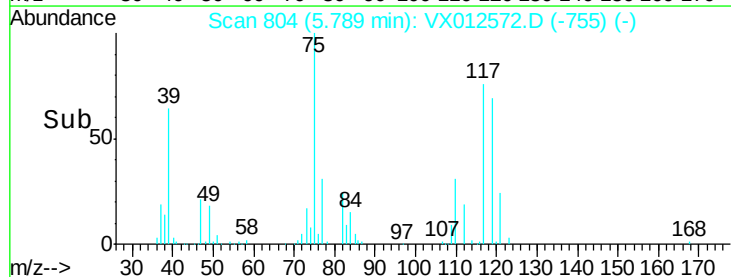
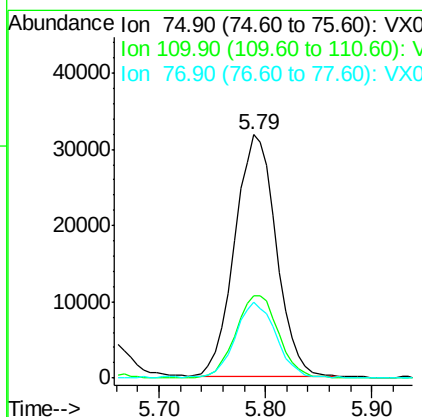
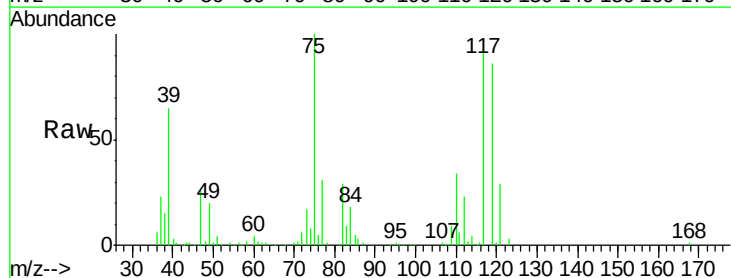
RT: 5.79 min Scan# 804

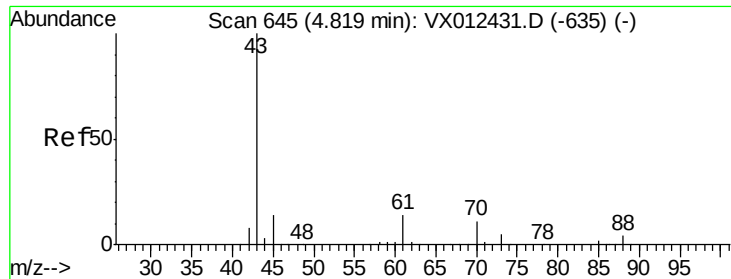
Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion:	75	Resp:	87227
Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.7	50.0
77	30.6	24.2	36.2





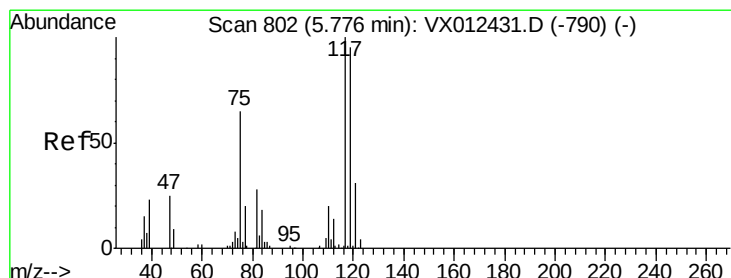
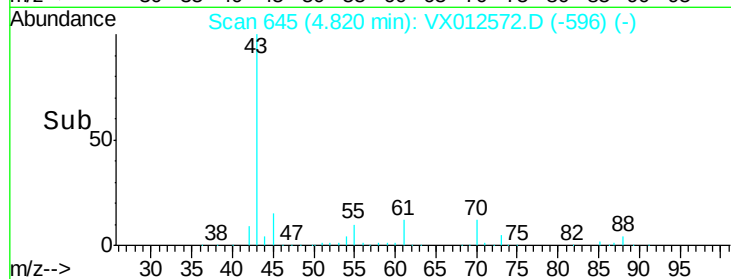
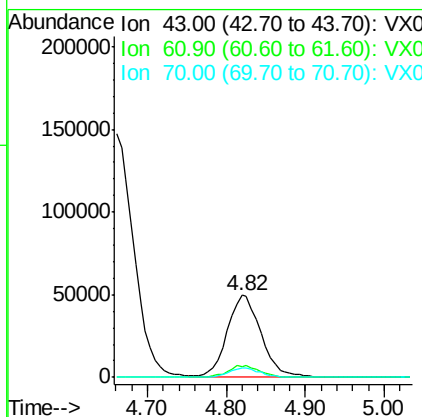
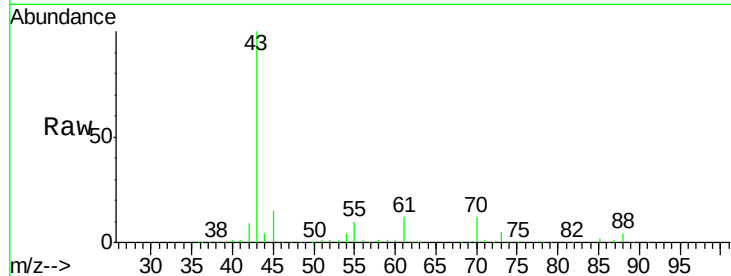
#37
Ethyl Acetate
Concen: 52.963 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	145820
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.4
70	11.3	8.7	13.1

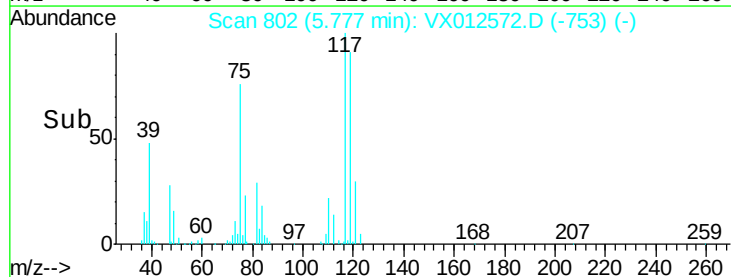
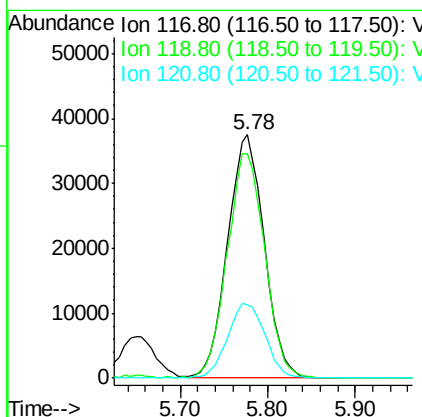
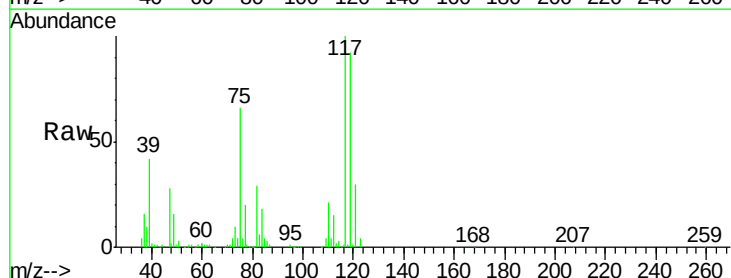
Manual Integrations
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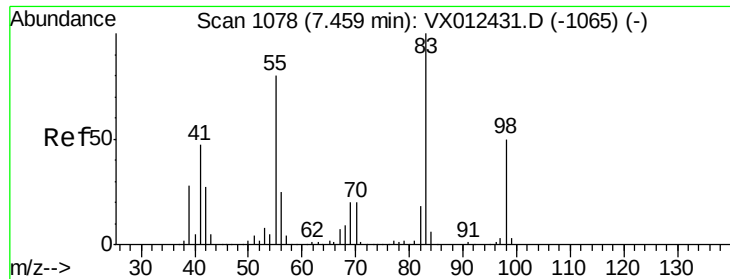
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#38
Carbon Tetrachloride
Concen: 48.837 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion:	117	Resp:	108947
Ion	Ratio	Lower	Upper
117	100		
119	92.1	75.7	113.5
121	30.3	24.2	36.4





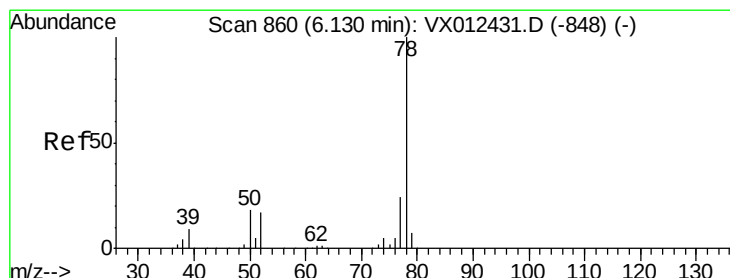
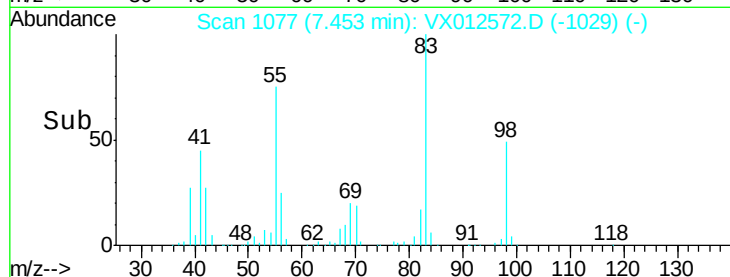
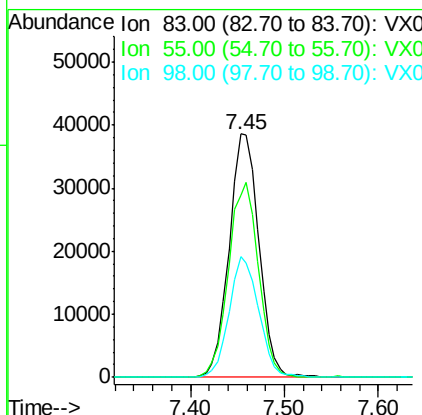
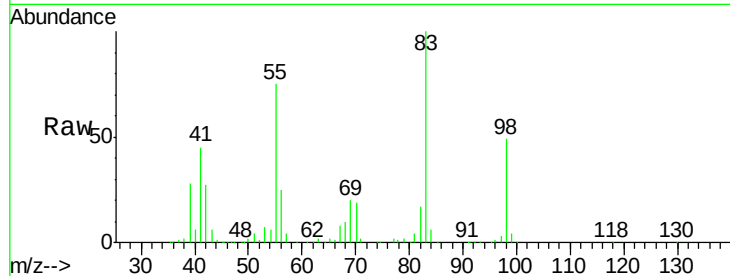
#39
Methylvlcyclohexane
Concen: 48.747 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.7	64.4	96.6	
98	49.4	40.1	60.1	

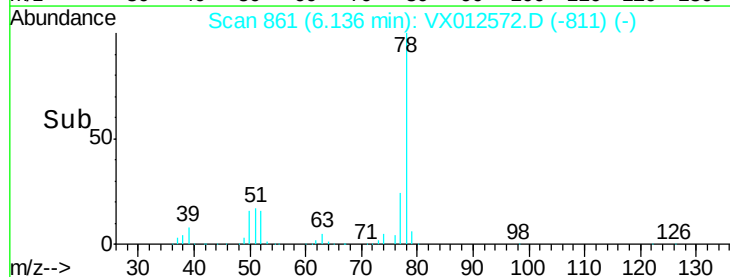
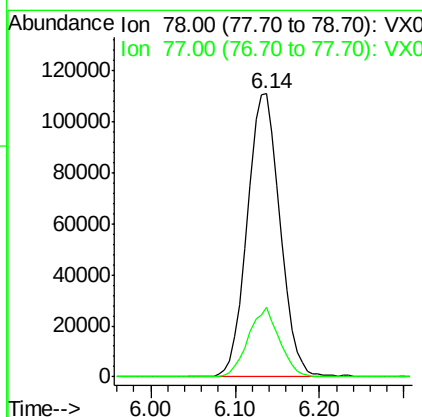
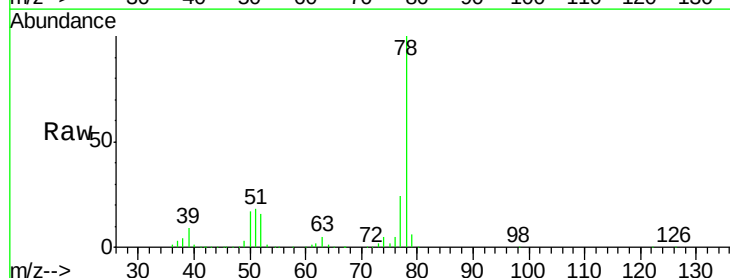
Manual Integrations
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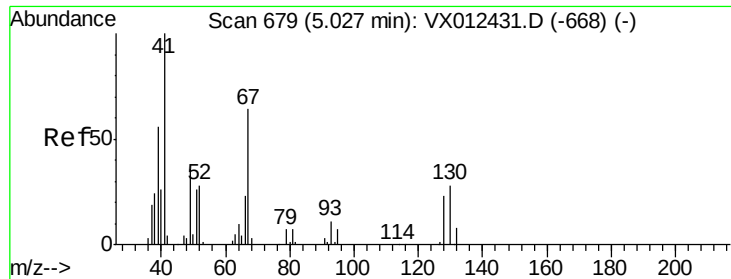
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#40
Benzene
Concen: 51.337 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	19.2	28.8	





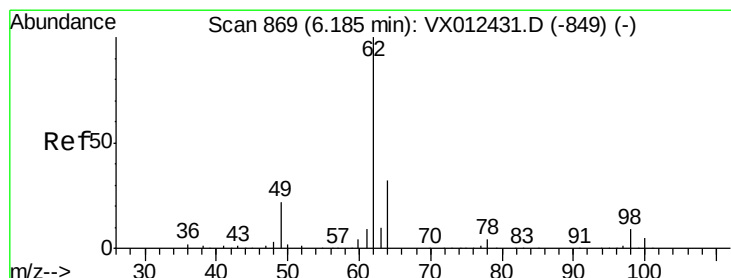
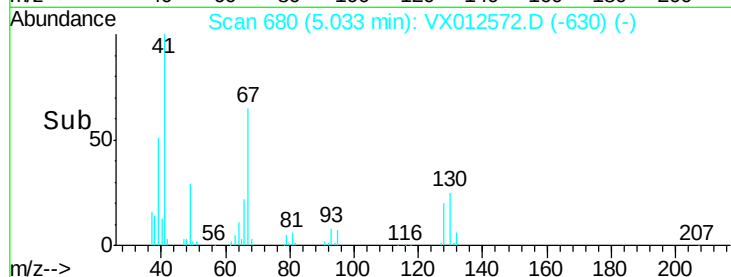
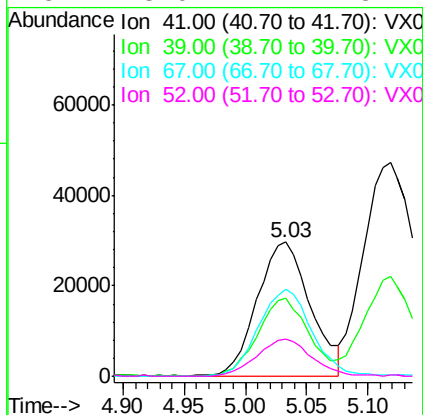
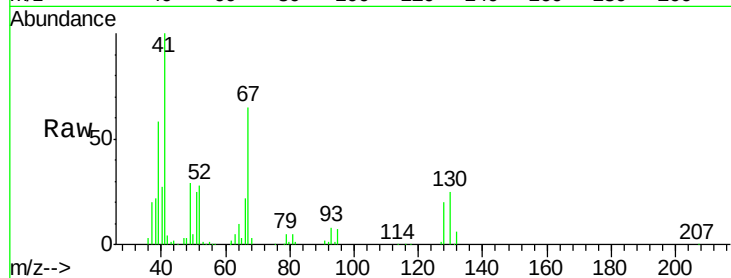
#41
Methacrylonitrile
Concen: 50.337 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		89239		
39	54.8	46.0	69.0		
67	65.8	52.2	78.2		
52	28.0	22.7	34.1		

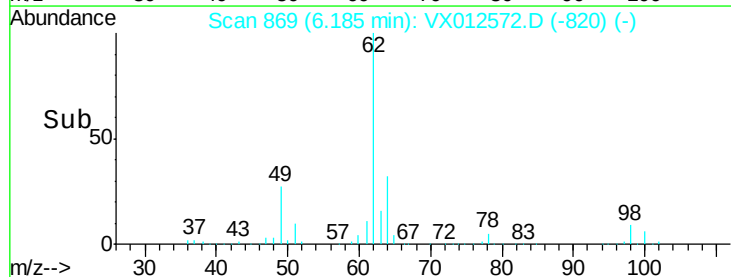
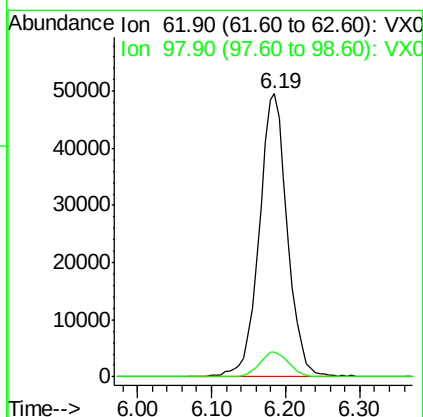
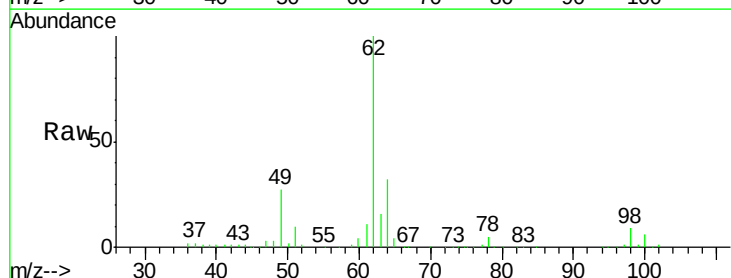
Manual Integrations
APPROVED

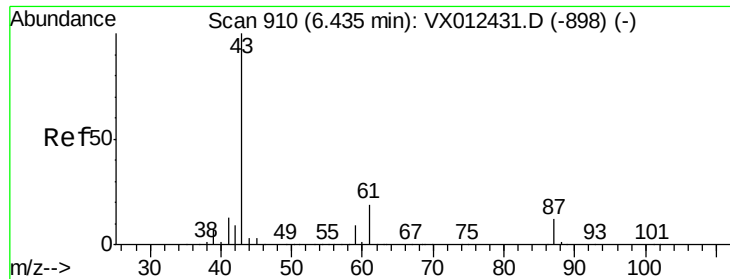
MMDadoda
9/23/2019 11:28:45 AM



#42
1,2-Dichloroethane
Concen: 49.427 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		130757		
98	9.1	0.0	17.8		





#43

Isopropyl Acetate

Concen: 50.871 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

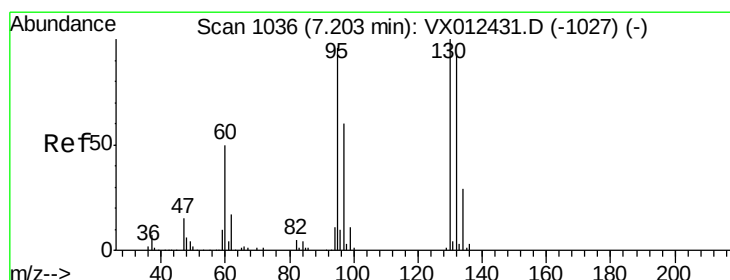
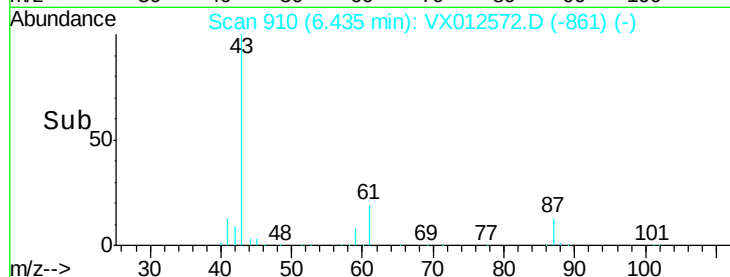
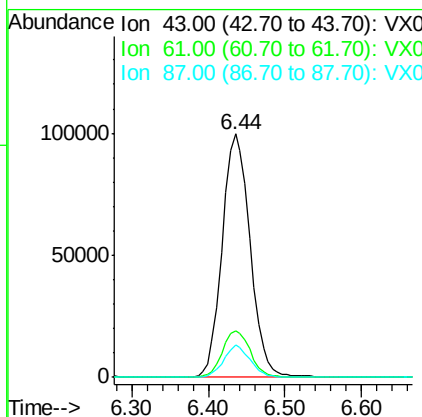
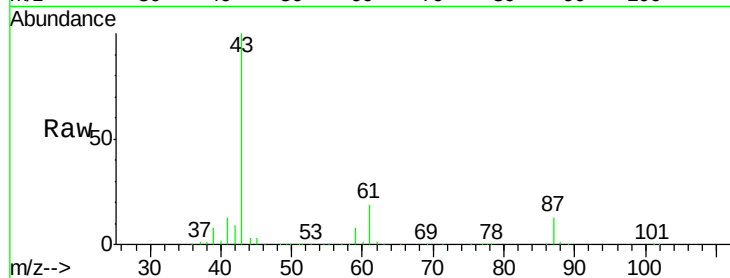
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	251387
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	12.6	9.8	14.8

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#44

Trichloroethene

Concen: 52.410 ug/l

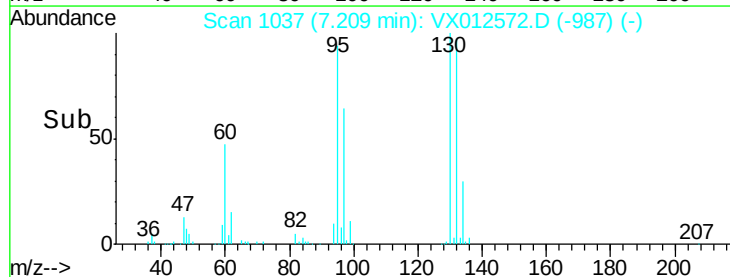
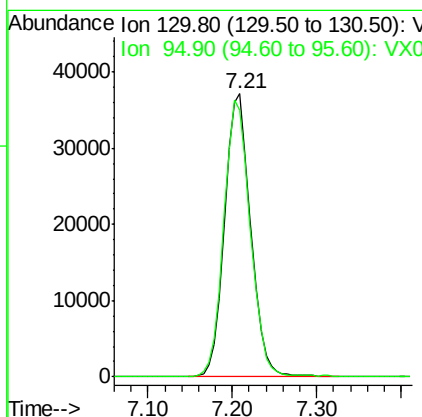
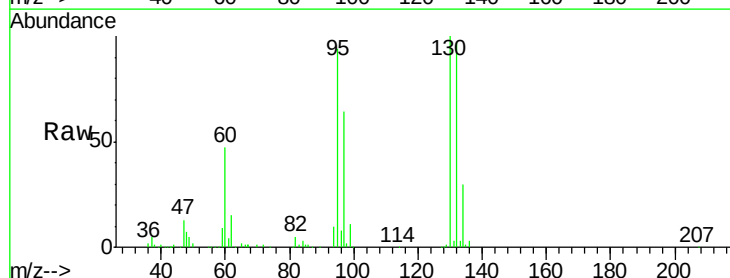
RT: 7.21 min Scan# 1037

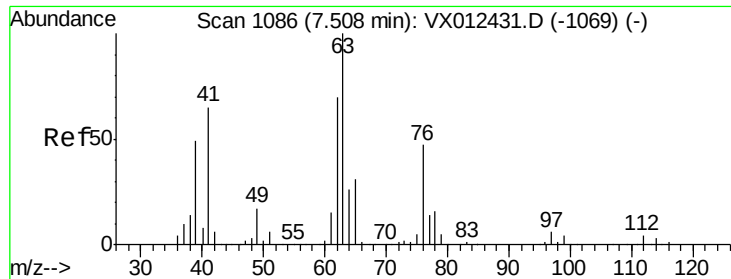
Delta R.T. 0.01 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion:	130	Resp:	78635
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	193.0





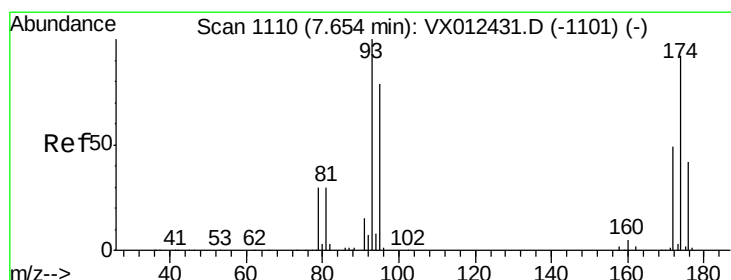
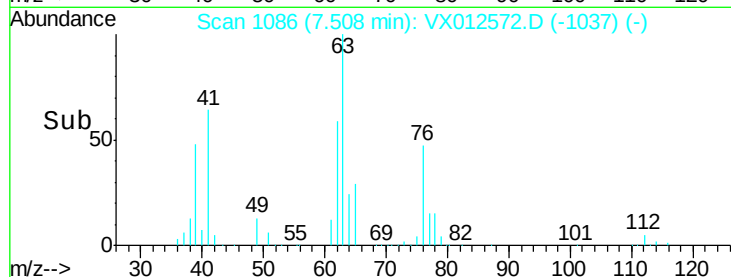
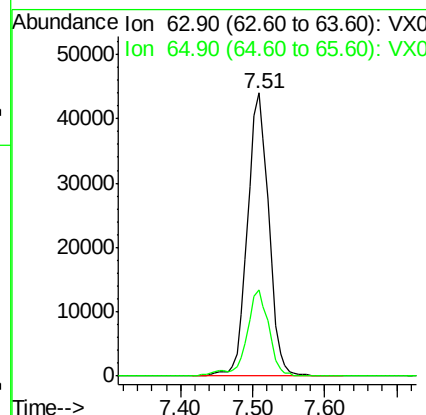
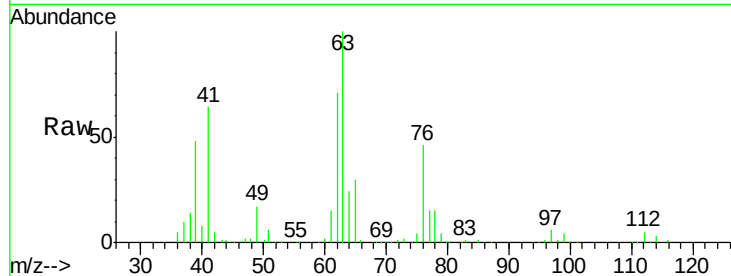
#45
 1,2-Dichloropropane
 Concen: 51.669 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 90542
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6

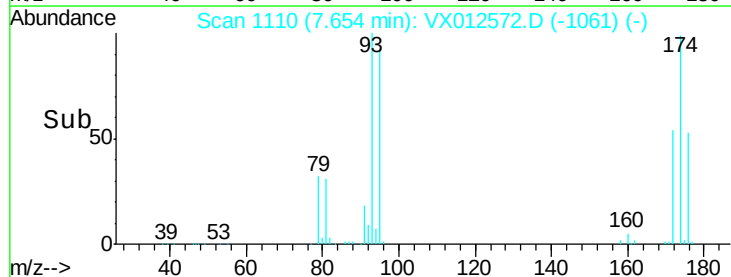
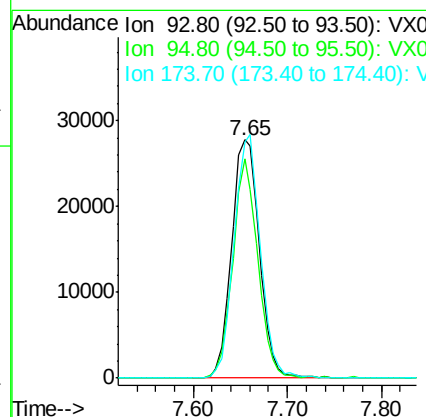
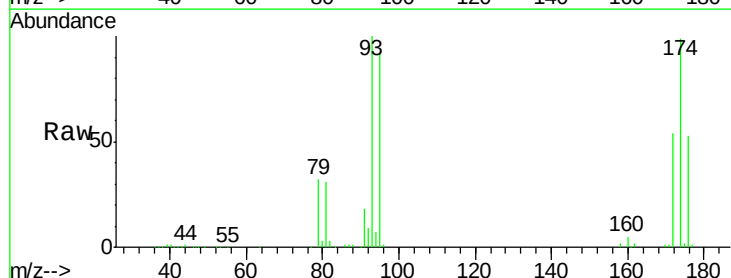
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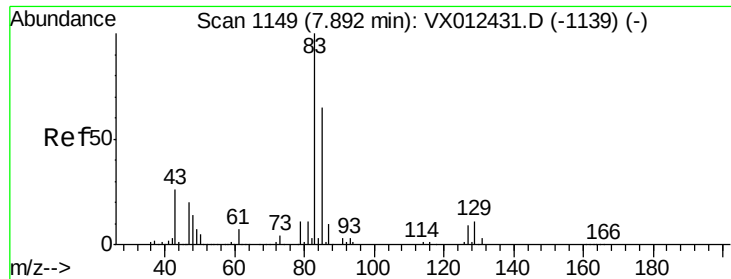
MMDadoda
 9/23/2019 11:28:45 AM



#46
 Dibromomethane
 Concen: 50.206 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion: 93 Resp: 56933
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.6 100.0
 174 96.6 77.4 116.0





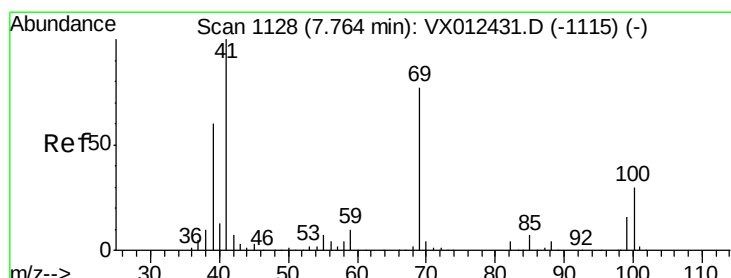
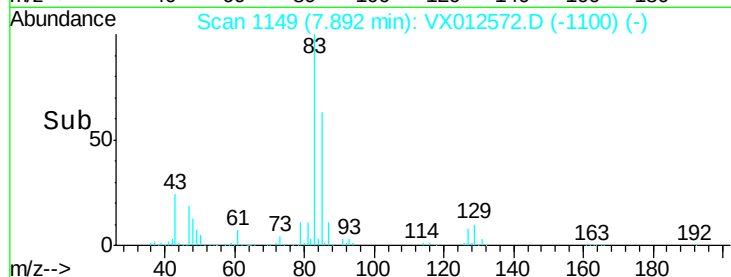
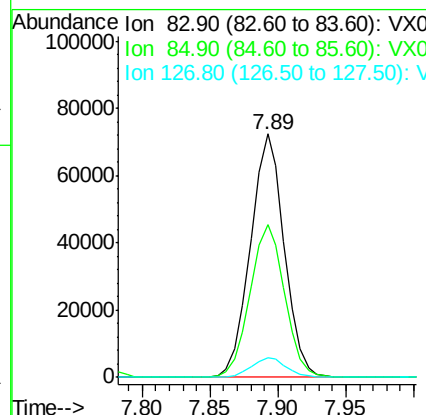
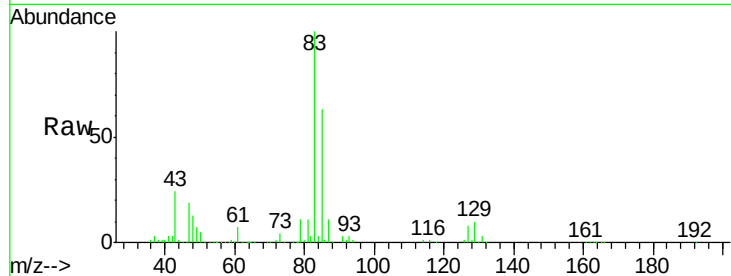
#47
 Bromodichloromethane
 Concen: 49.994 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	126230
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	51.8	77.6
127	8.2	7.3	10.9

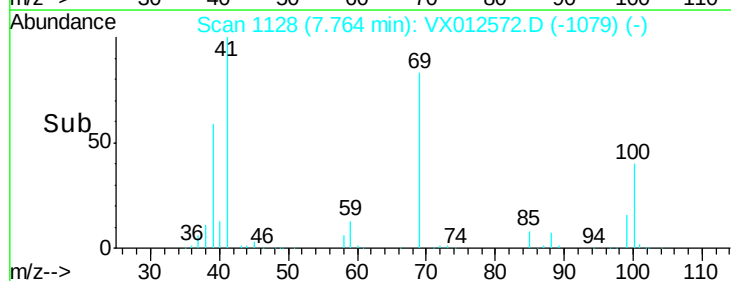
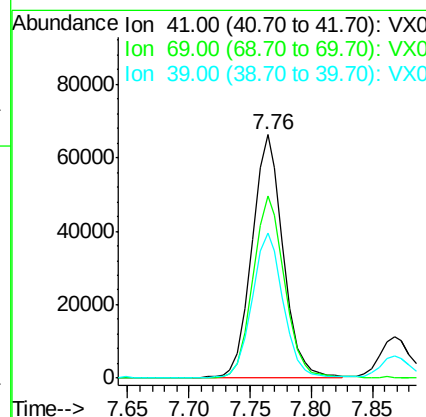
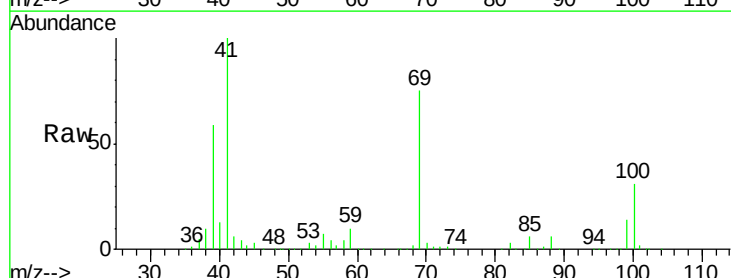
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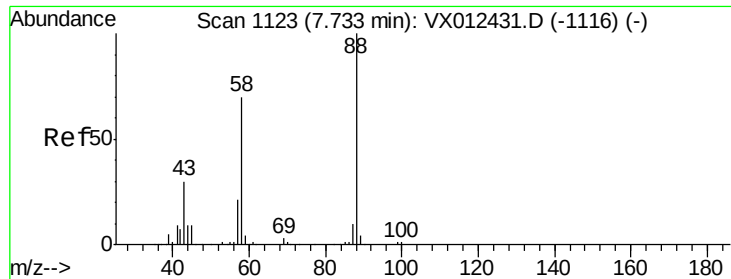
MMDadoda
 9/23/2019 11:28:45 AM



#48
 Methyl methacrylate
 Concen: 50.280 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	41	Resp	117123
Ion Ratio	100	Lower	Upper
41	100		
69	76.6	59.9	89.9
39	59.8	47.8	71.6





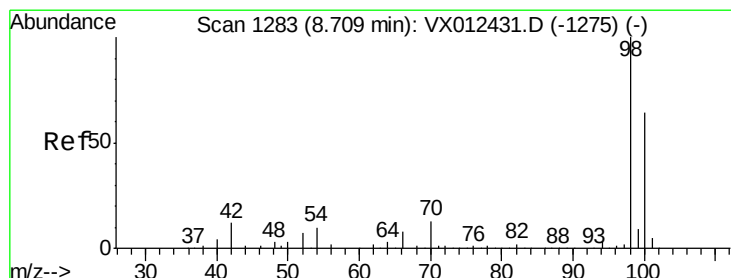
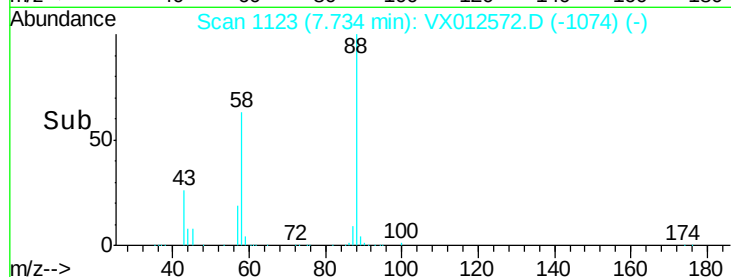
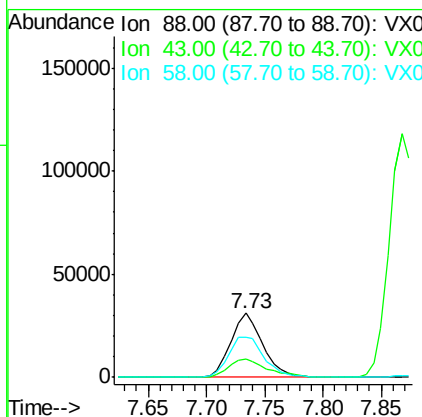
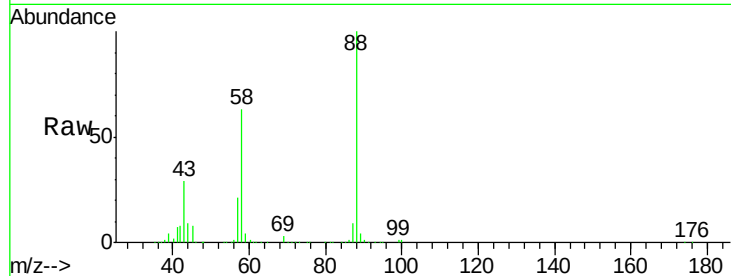
#49
1,4-Dioxane
Concen: 1045.594 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	59279		
43	34.1		29.4	44.0
58	71.0		57.5	86.3

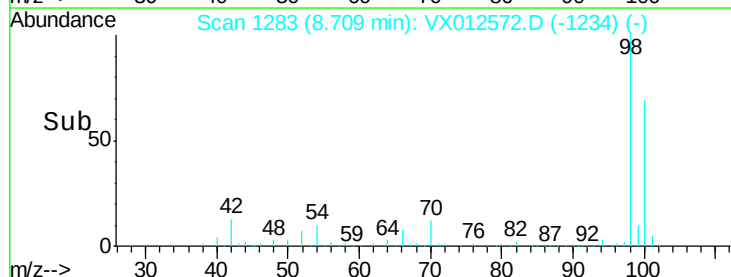
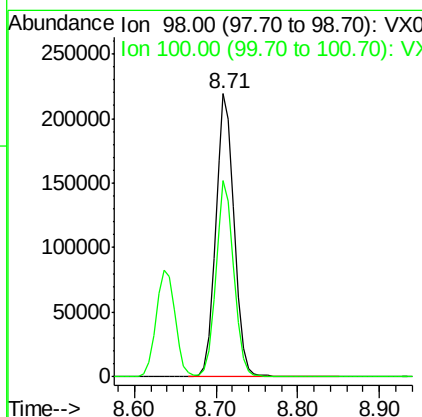
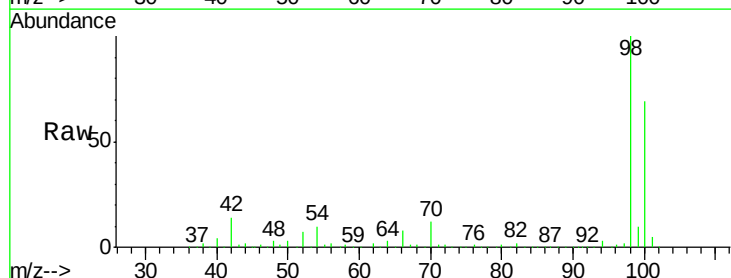
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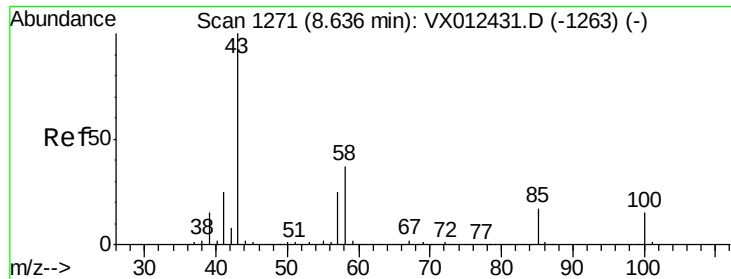
MMDadoda
9/23/2019 11:28:45 AM



#50
Toluene-d8
Concen: 52.701 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	348450		
100	67.3		53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 258.208 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 836765

Ion Ratio Lower Upper

43 100

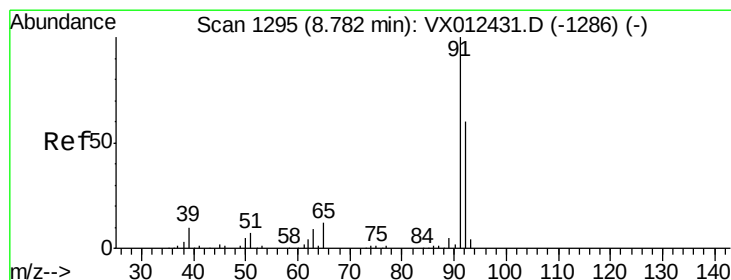
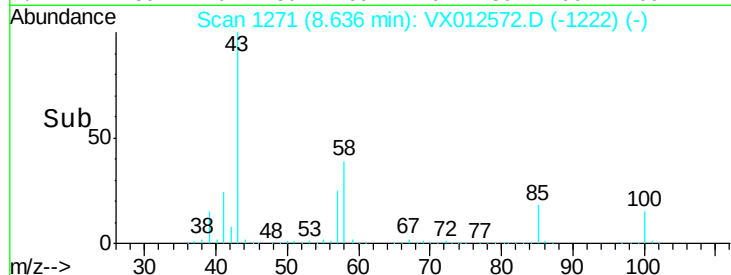
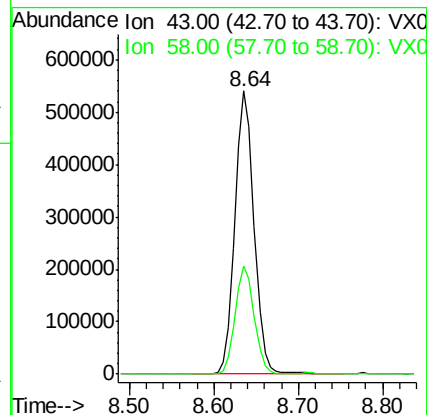
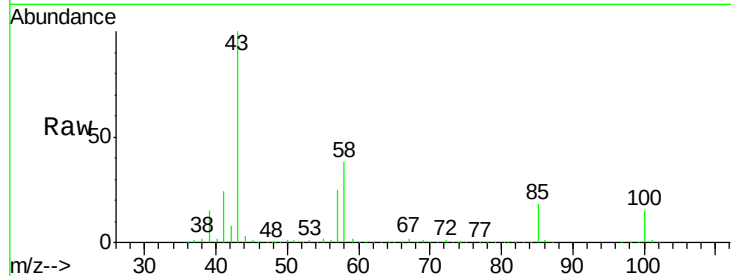
58 37.9 29.8 44.6

Manual Integrations

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MMDadoda

9/23/2019 11:28:45 AM



#52

Toluene

Concen: 51.120 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012572.D

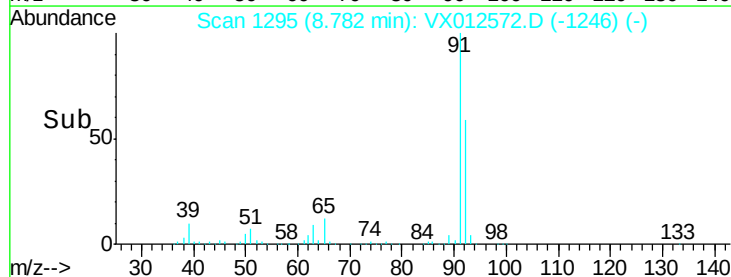
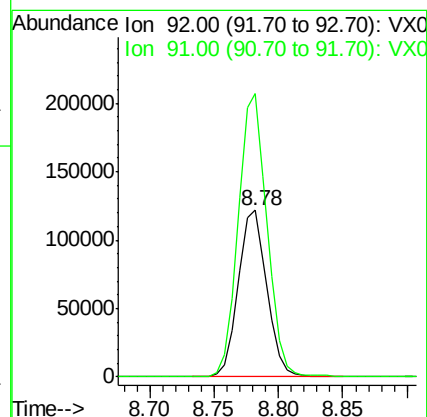
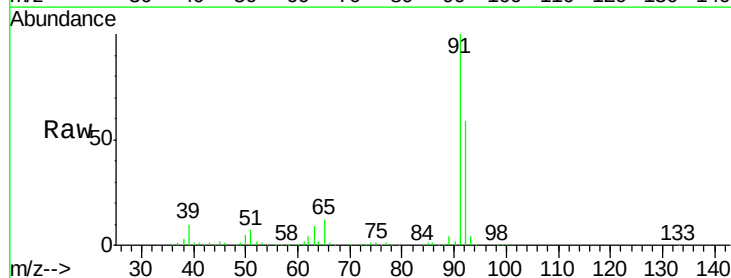
Acq: 20 Sep 2019 21:25

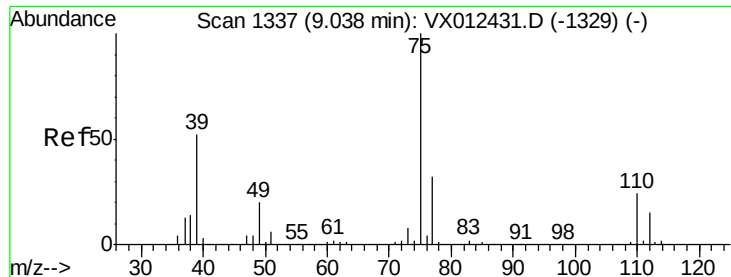
Tgt Ion: 92 Resp: 187884

Ion Ratio Lower Upper

92 100

91 171.3 135.4 203.0





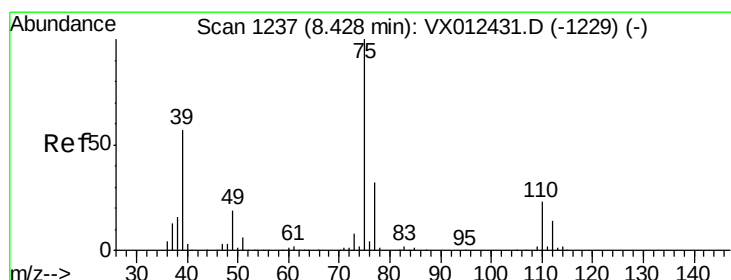
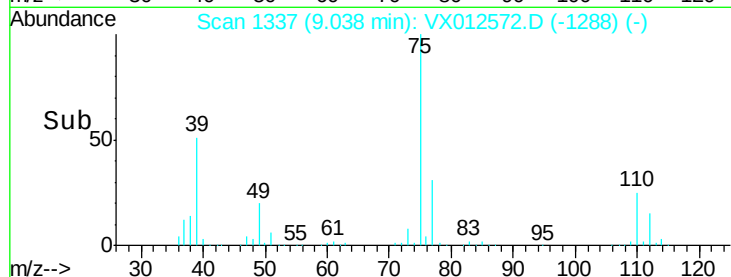
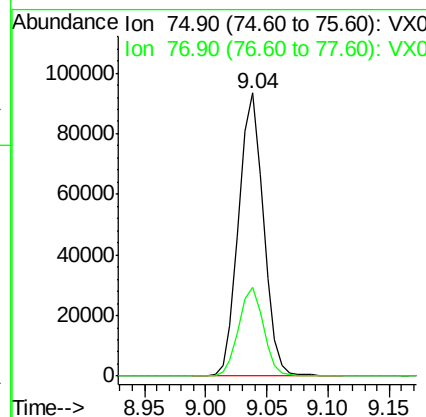
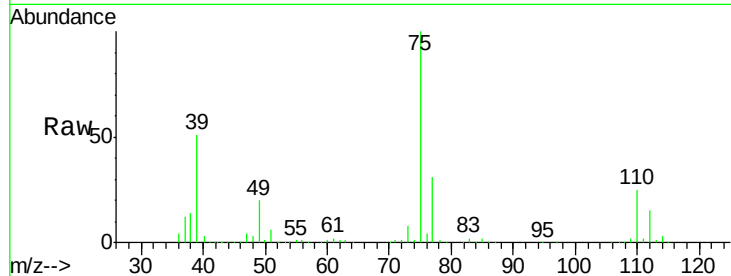
#53
t-1,3-Dichloropropene
Concen: 50.079 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 131440
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8

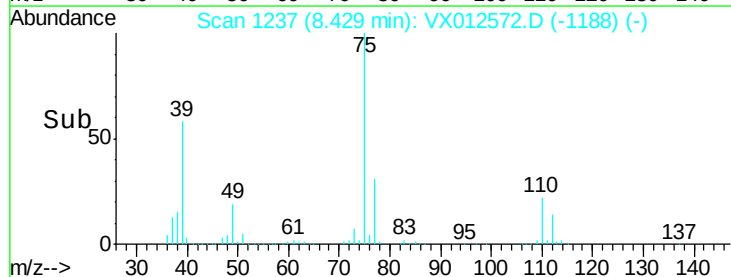
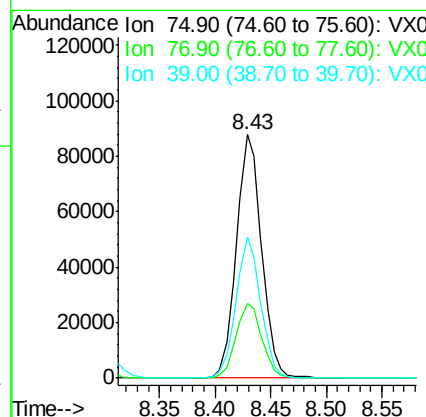
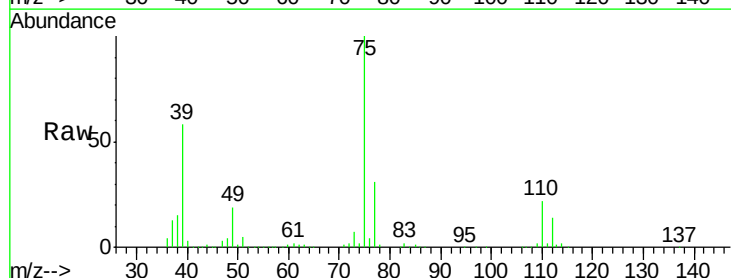
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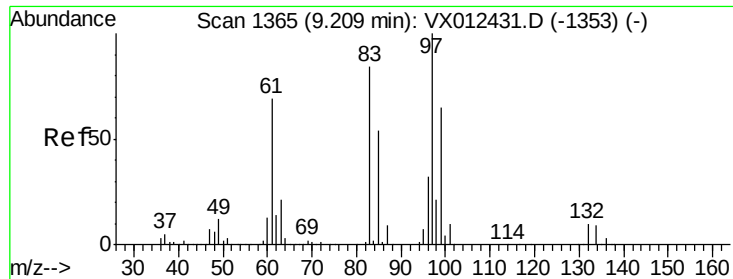
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.604 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 75 Resp: 137503
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.8
39 57.9 45.5 68.3





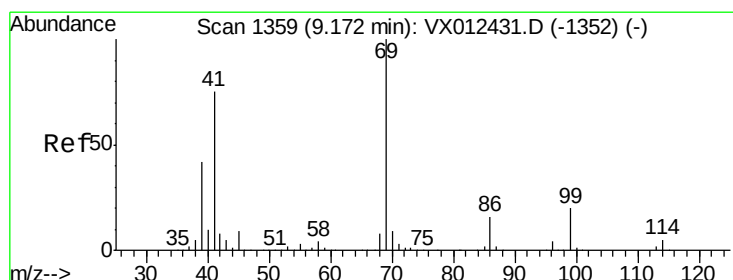
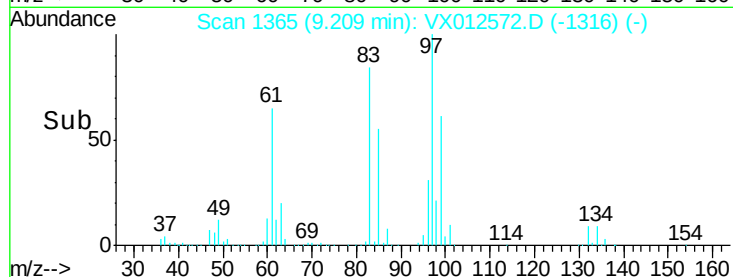
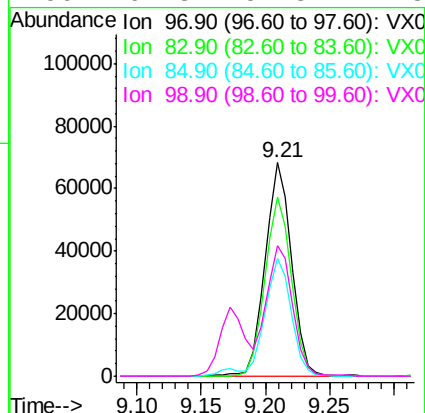
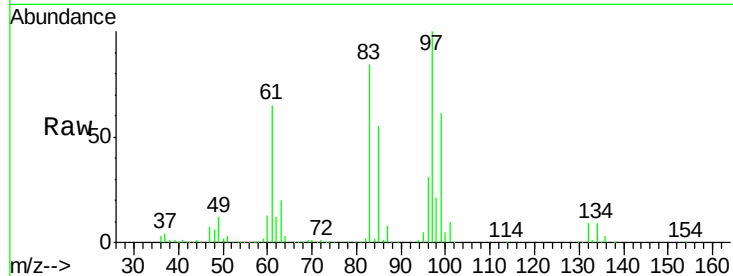
#55
 1,1,2-Trichloroethane
 Concen: 51.273 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		97086		
83	84.0	67.4	101.2		
85	55.0	43.5	65.3		
99	61.3	51.8	77.8		

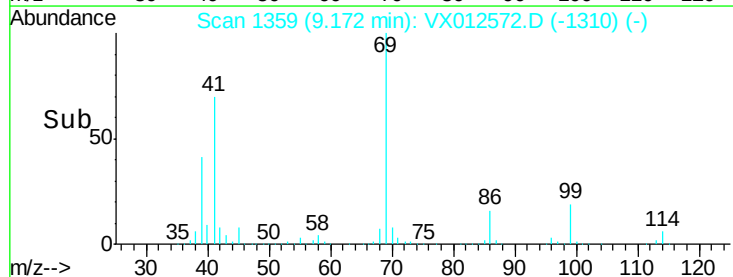
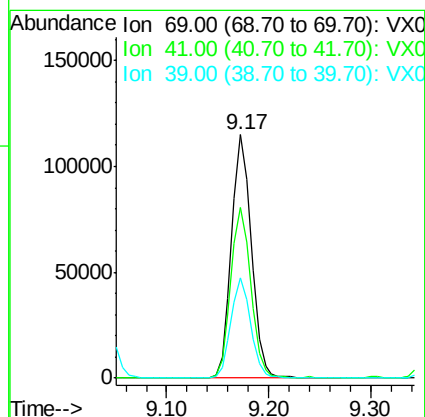
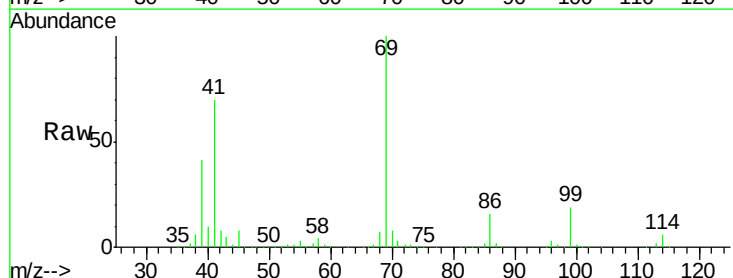
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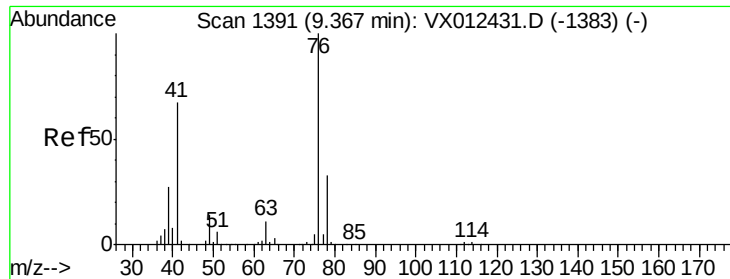
MMDadoda
 9/23/2019 11:28:45 AM



#56
 Ethyl methacrylate
 Concen: 52.449 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		155274		
41	70.6	58.4	87.6		
39	40.4	33.4	50.0		





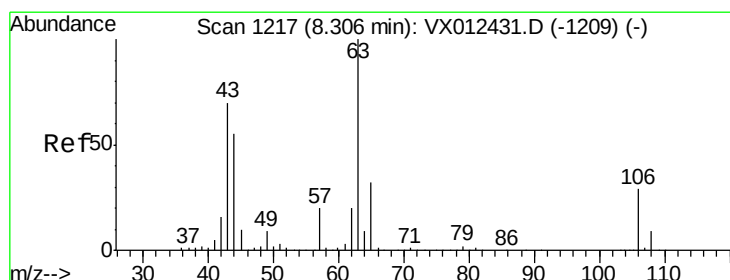
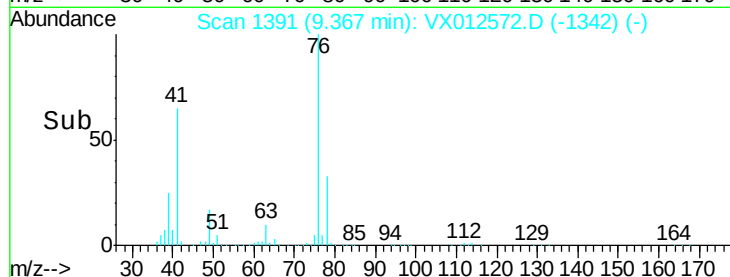
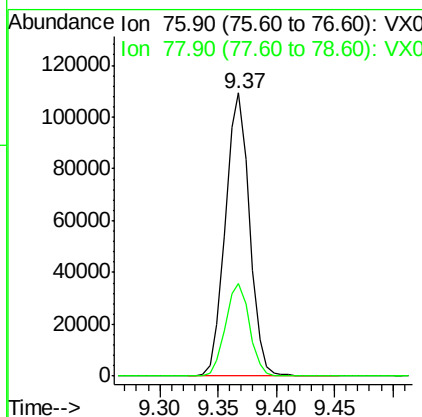
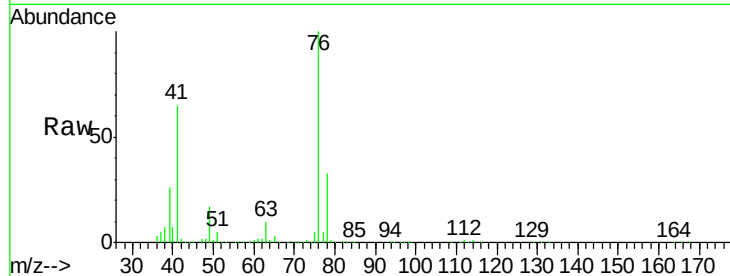
#57
 1,3-Dichloropropane
 Concen: 52.068 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 157305
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.2 39.2

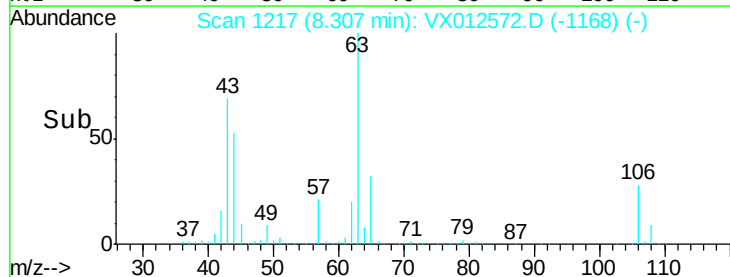
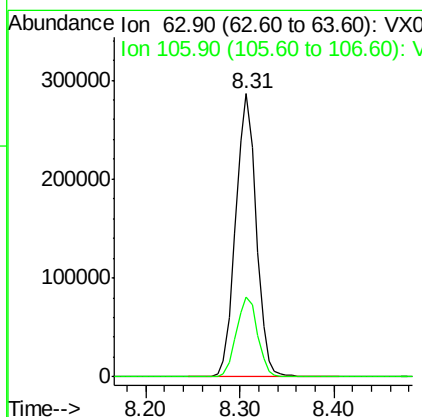
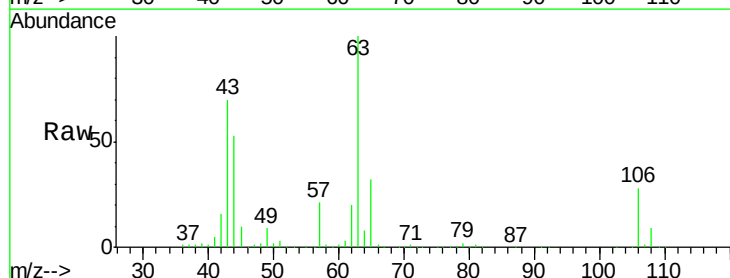
Manual Integrations
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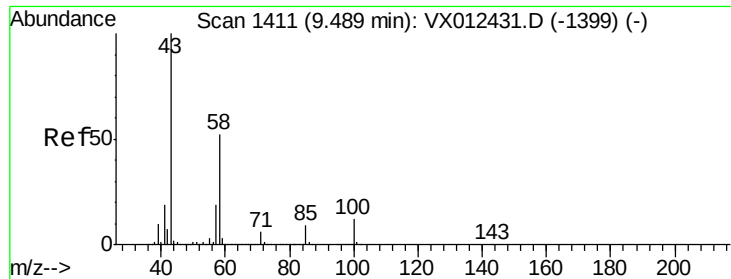
MMDadoda
 9/23/2019 11:28:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.598 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion: 63 Resp: 434604
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.8 35.6





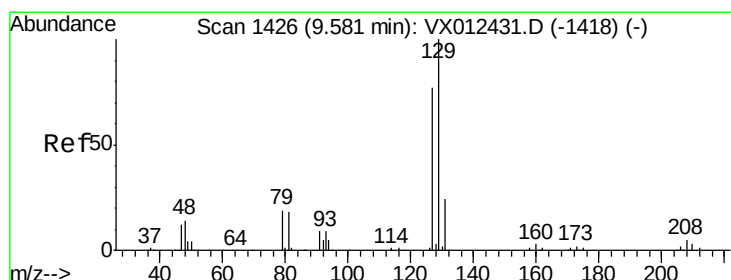
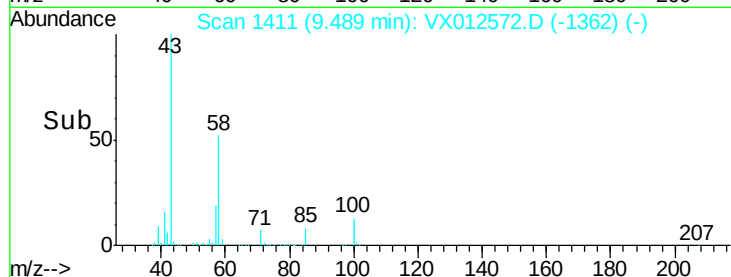
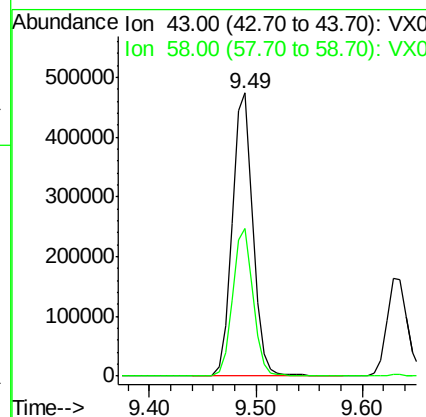
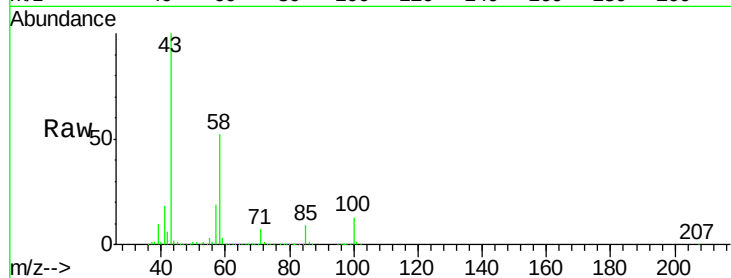
#59
2-Hexanone
Concen: 254.819 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 644248
Ion Ratio Lower Upper
43 100
58 51.8 25.7 77.1

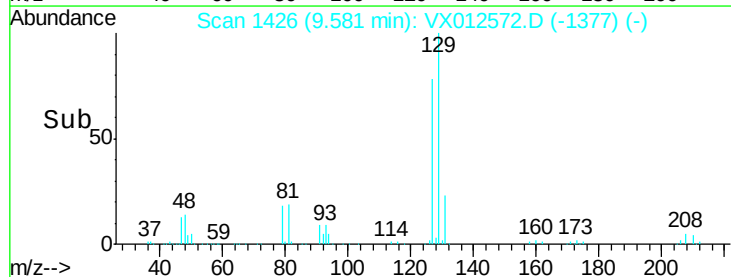
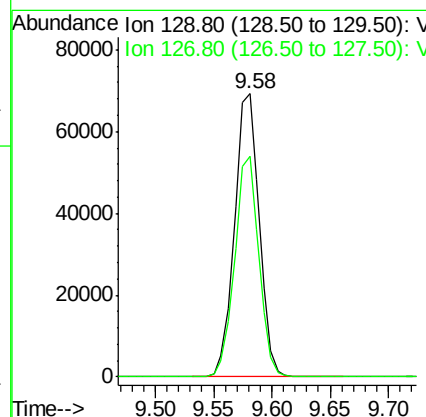
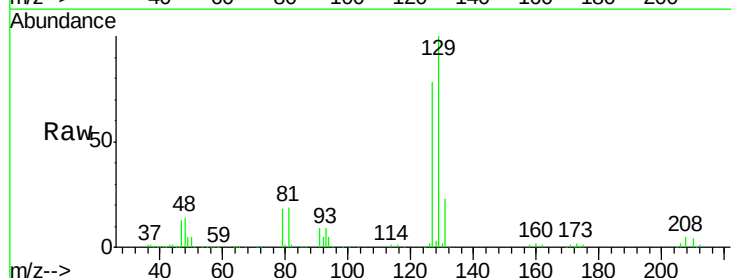
Manual Integrations
APPROVED

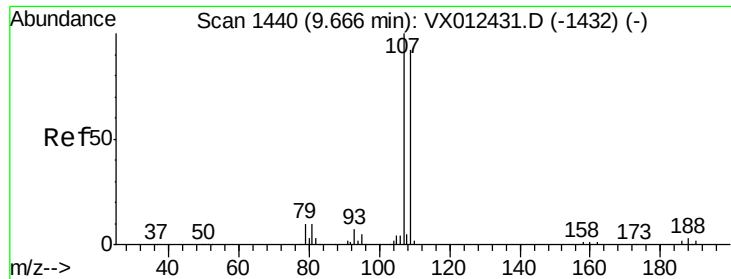
MMDadoda
9/23/2019 11:28:45 AM



#60
Dibromochloromethane
Concen: 53.190 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 129 Resp: 102590
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.779 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 91274

Ion Ratio Lower Upper

107 100

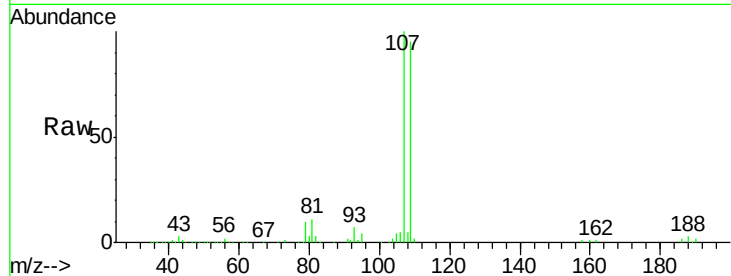
109 94.0 74.7 112.1

Manual Integrations

APPROVED

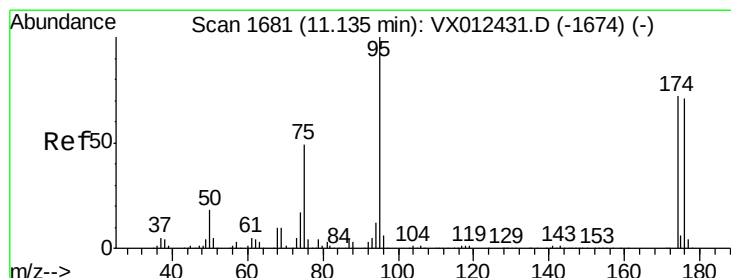
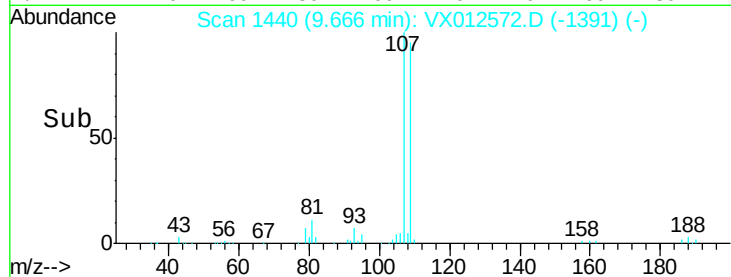
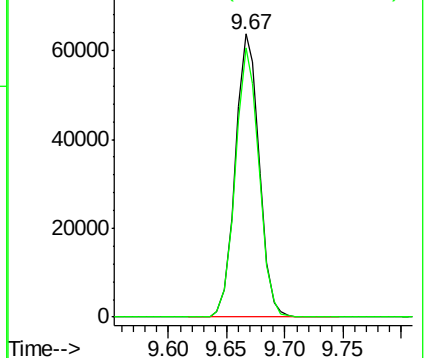
MMDadoda

9/23/2019 11:28:45 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.893 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

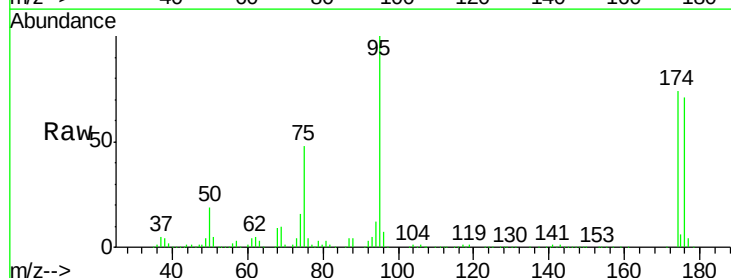
Tgt Ion: 95 Resp: 142463

Ion Ratio Lower Upper

95 100

174 71.2 0.0 140.0

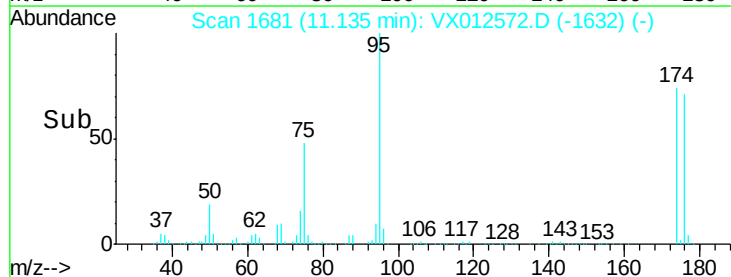
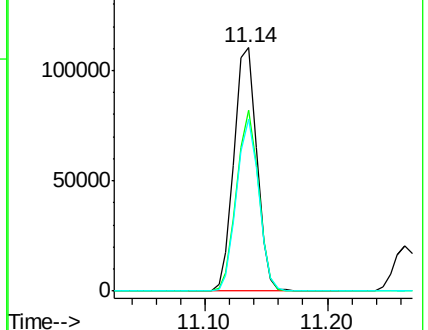
176 68.7 0.0 135.4

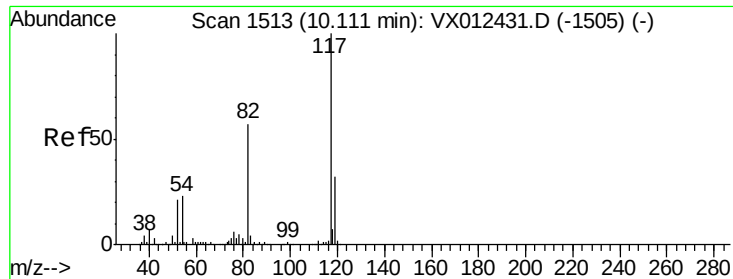


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





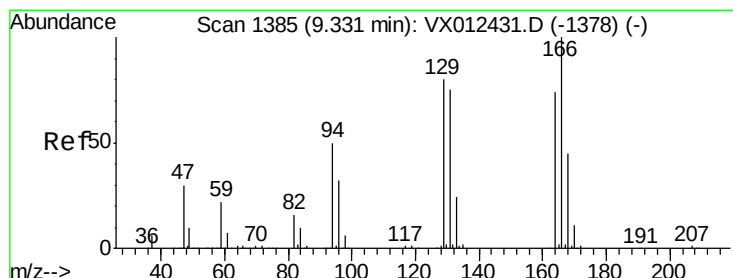
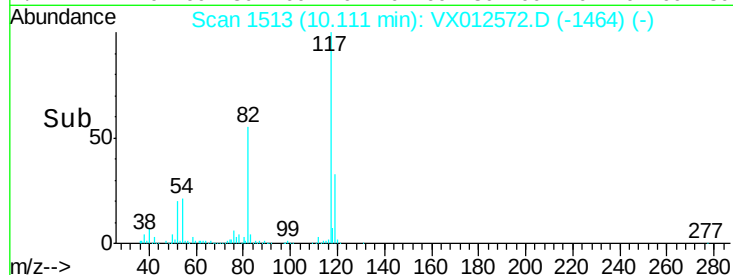
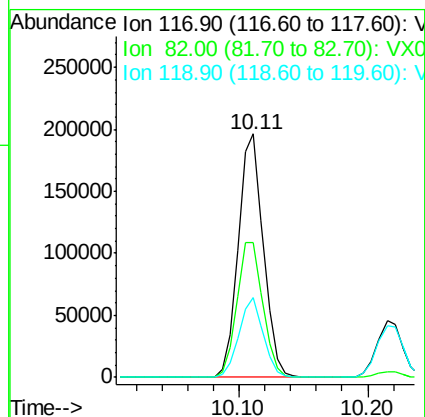
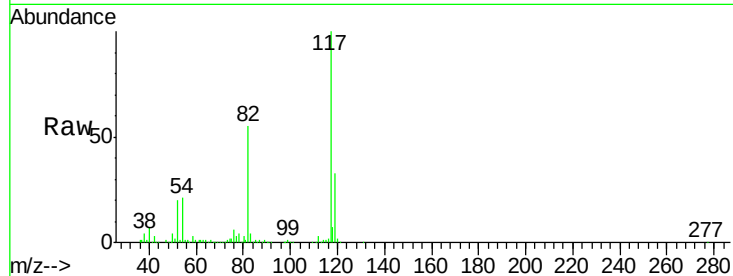
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	265116		
82	55.4	45.9	68.9	
119	33.0	25.3	37.9	

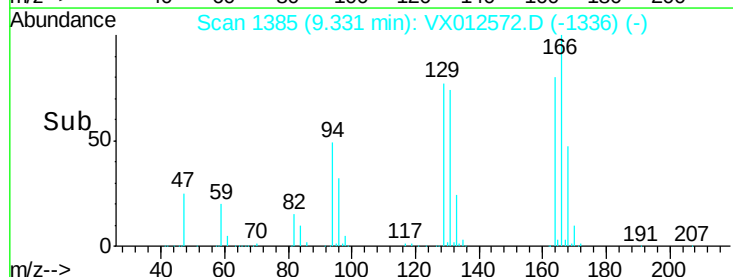
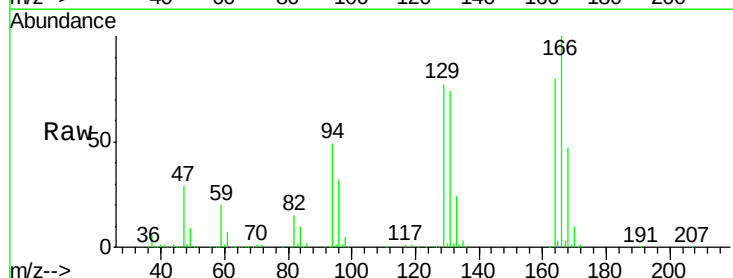
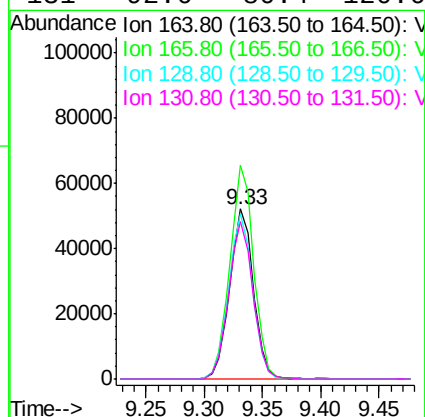
Manual Integrations
APPROVED

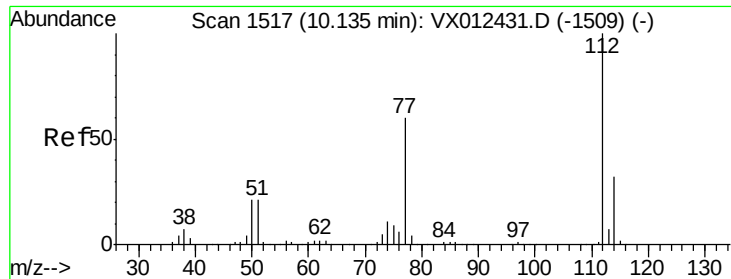
MMDadoda
9/23/2019 11:28:45 AM



#64
Tetrachloroethene
Concen: 61.139 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74276		
166	125.5	107.8	161.6	
129	96.9	86.2	129.2	
131	92.6	80.4	120.6	





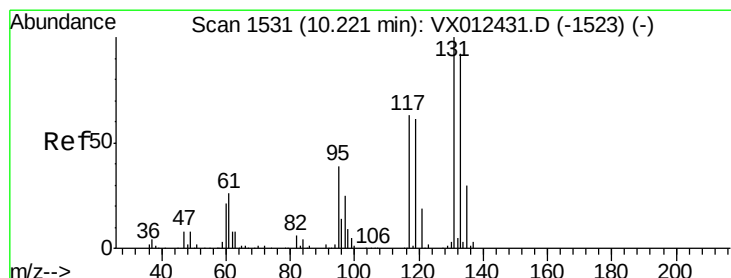
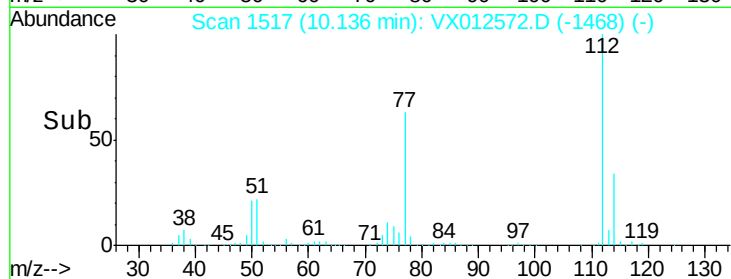
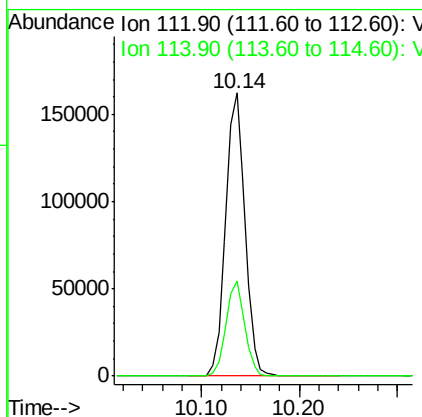
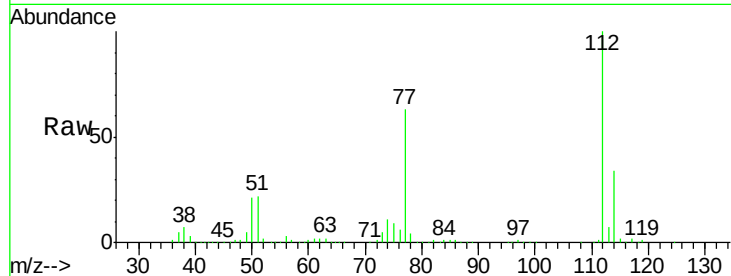
#65
Chlorobenzene
Concen: 50.879 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	222631		
114	33.7	25.4	38.0	

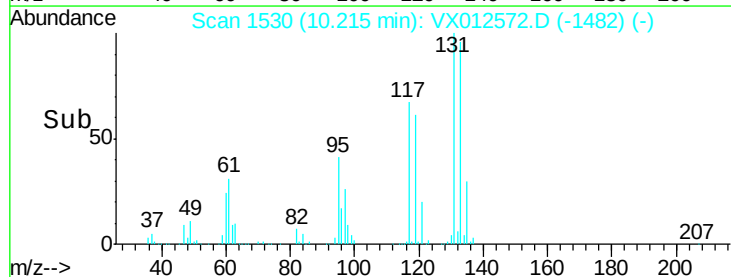
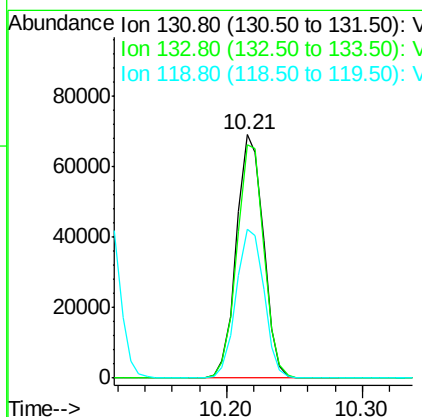
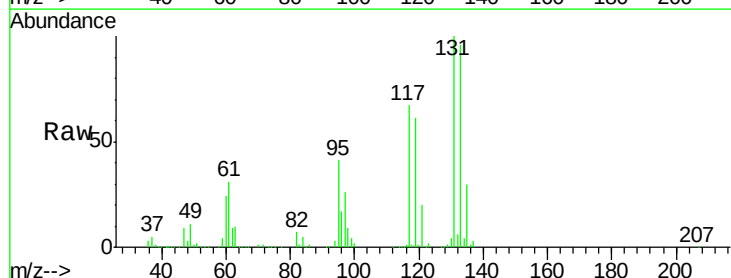
Manual Integrations
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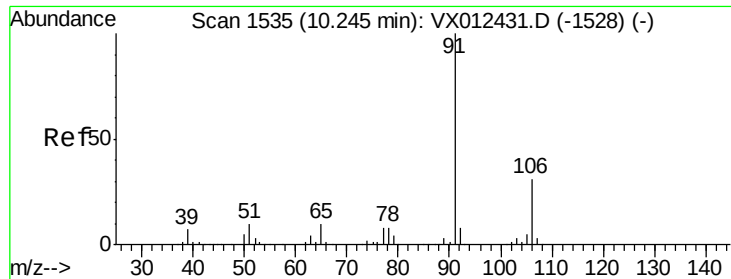
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.528 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	95393		
133	95.9	47.6	142.9	
119	63.4	31.3	93.8	





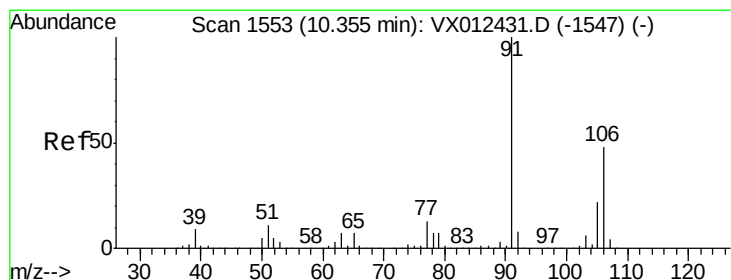
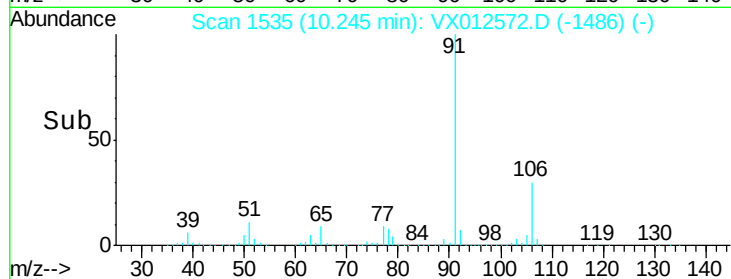
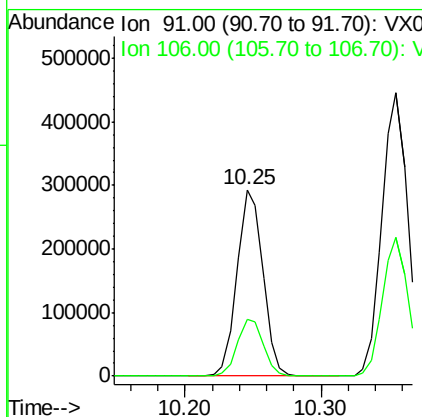
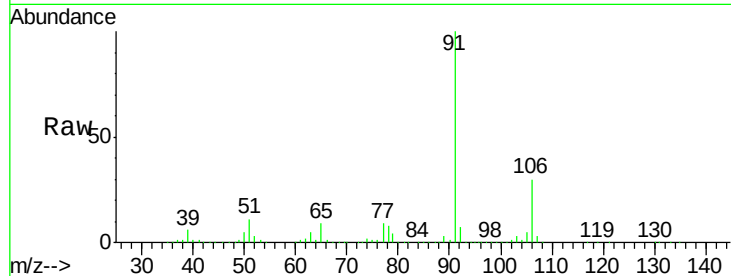
#67
Ethyl Benzene
Concen: 51.975 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 390738
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0

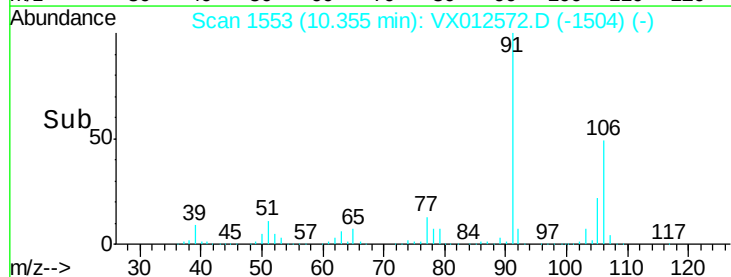
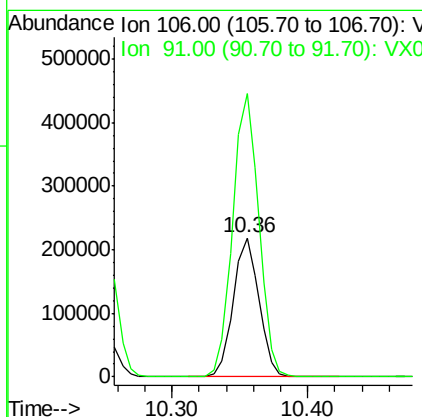
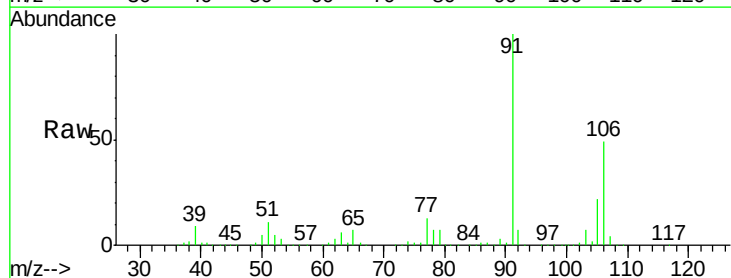
Manual Integrations
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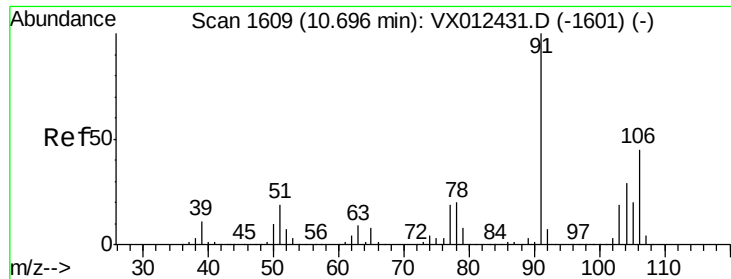
MMDadoda
9/23/2019 11:28:45 AM



#68
m/p-Xylenes
Concen: 104.844 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion: 106 Resp: 286783
Ion Ratio Lower Upper
106 100
91 207.5 166.6 250.0





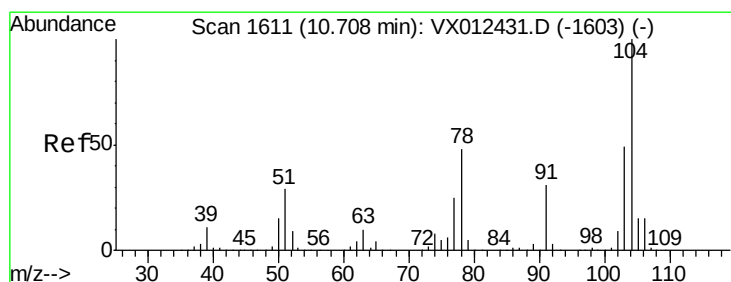
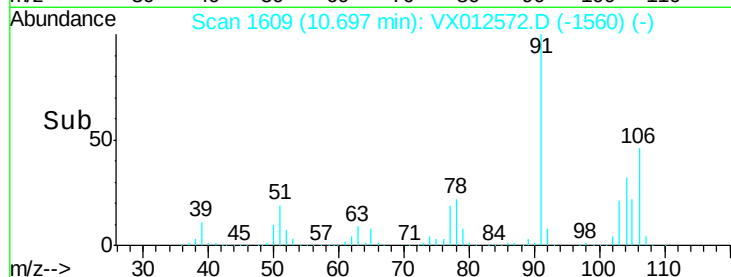
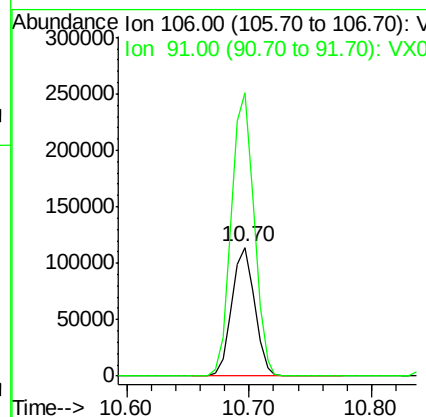
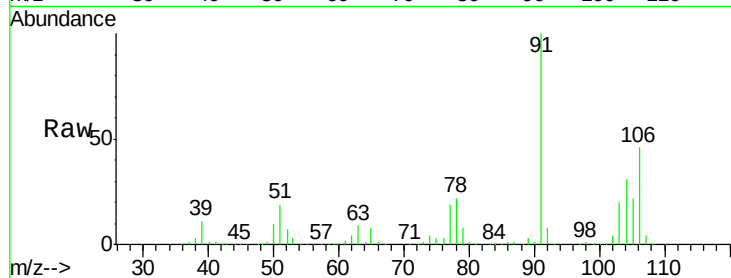
#69
o-Xylene
Concen: 51.945 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 146125
Ion Ratio Lower Upper
106 100
91 219.9 109.4 328.2

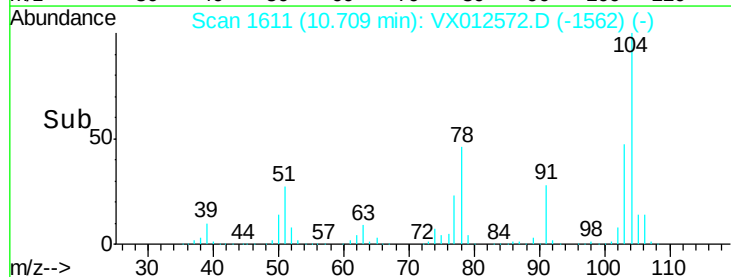
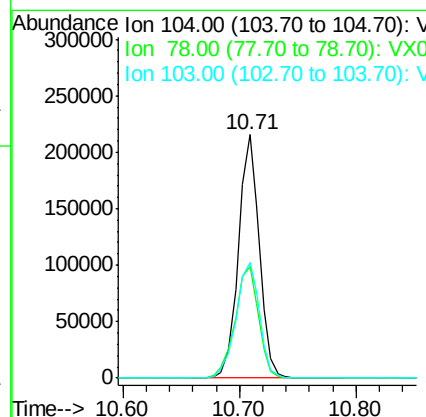
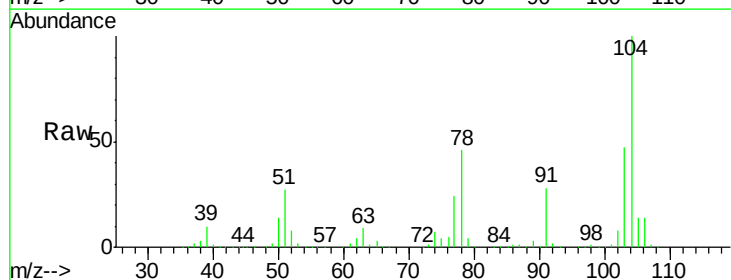
Manual Integrations
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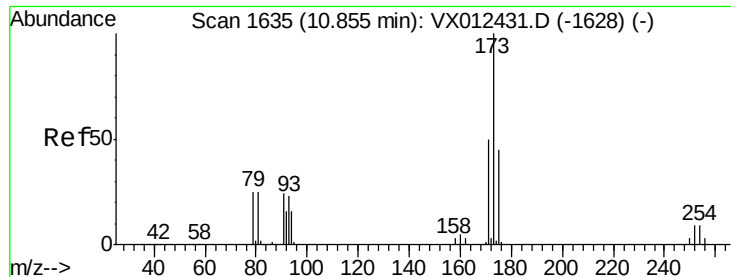
MMDadoda
9/23/2019 11:28:45 AM



#70
Styrene
Concen: 53.999 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion:104 Resp: 268762
Ion Ratio Lower Upper
104 100
78 52.3 43.4 65.2
103 53.5 43.3 64.9





#71

Bromoform

Concen: 46.412 ug/l

RT: 10.86 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 72229

Ion Ratio Lower Upper

173 100

175 48.4 23.7 71.1

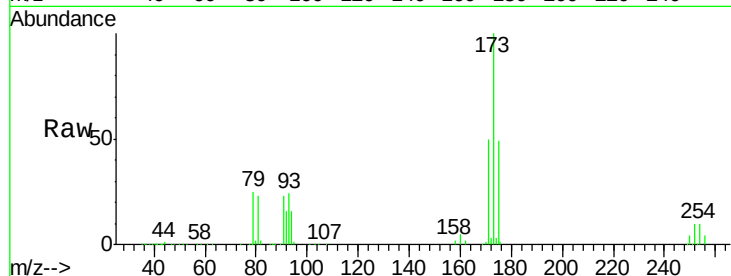
254 0.1 0.1 0.1#

Manual Integrations

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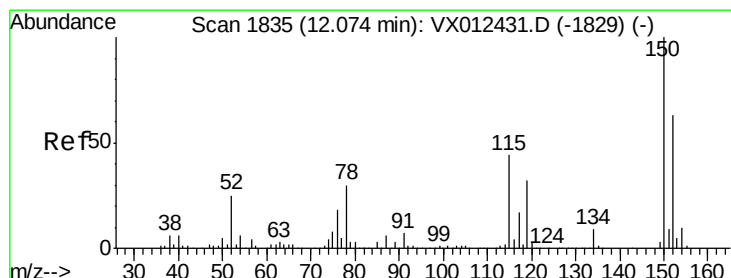
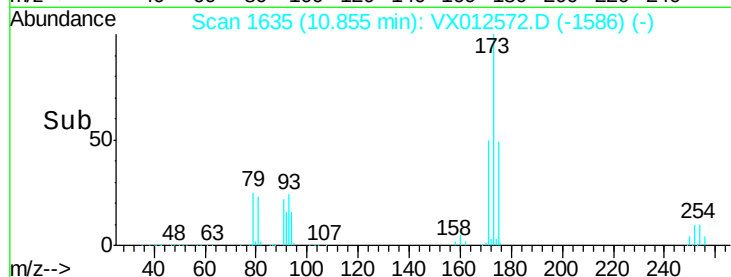
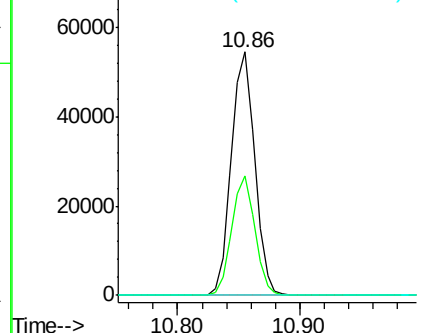
9/23/2019 11:28:45 AM



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# 1835

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

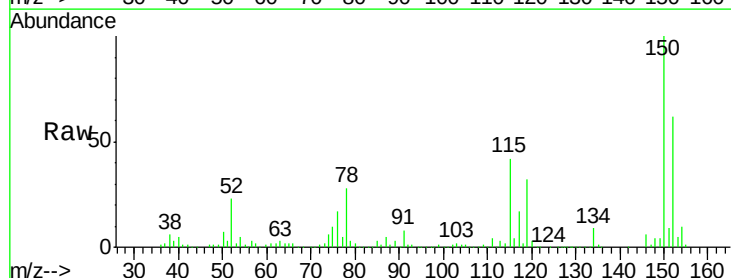
Tgt Ion:152 Resp: 127362

Ion Ratio Lower Upper

152 100

115 84.8 44.1 132.3

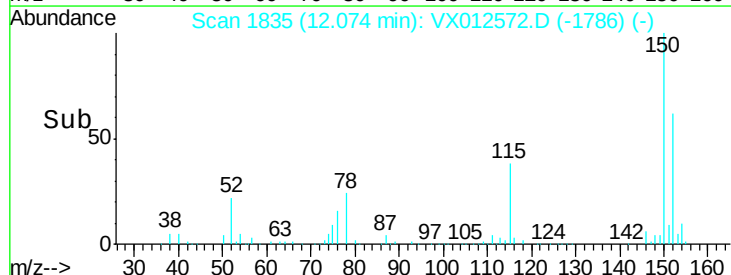
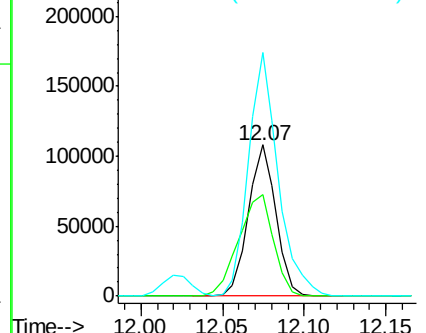
150 173.8 0.0 343.8

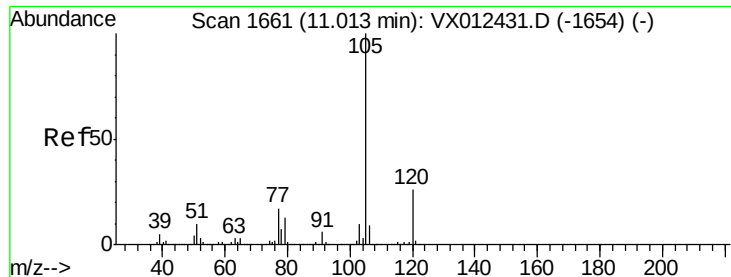


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.860 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 414426

Ion Ratio Lower Upper

105 100

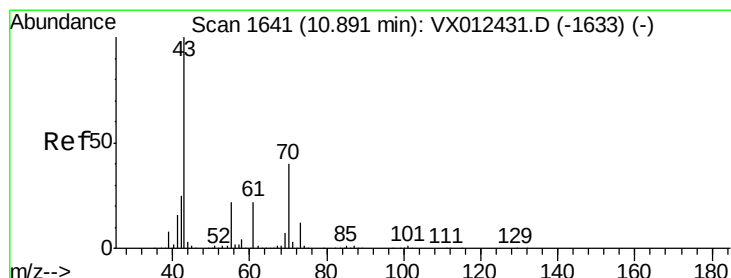
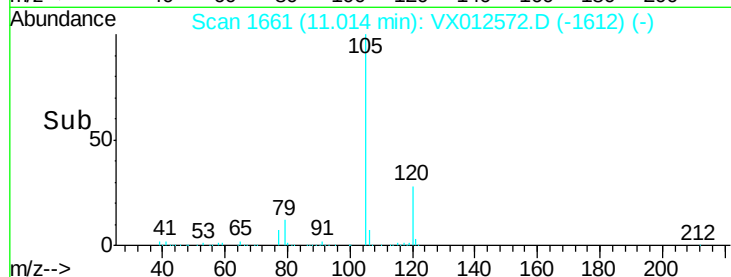
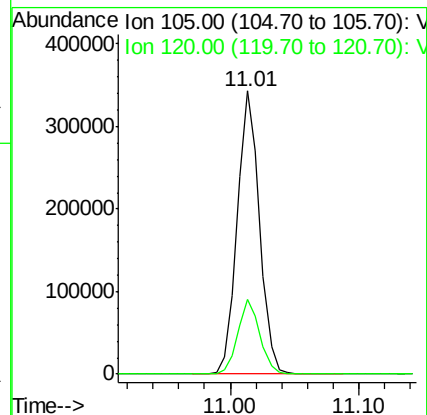
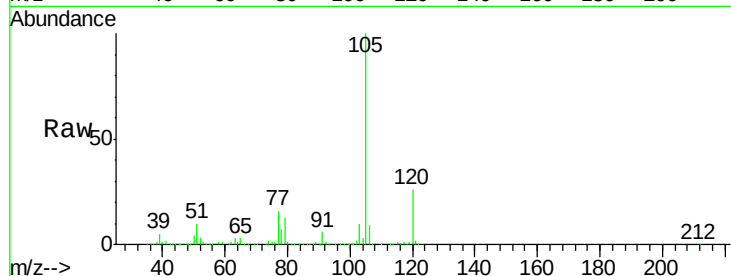
120 26.1 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.696 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion: 43 Resp: 226717

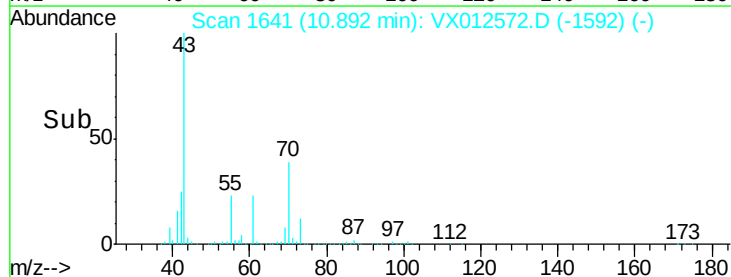
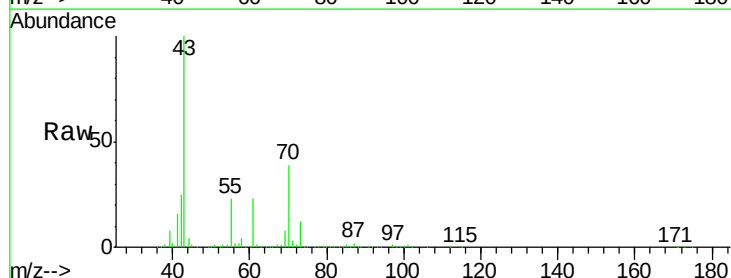
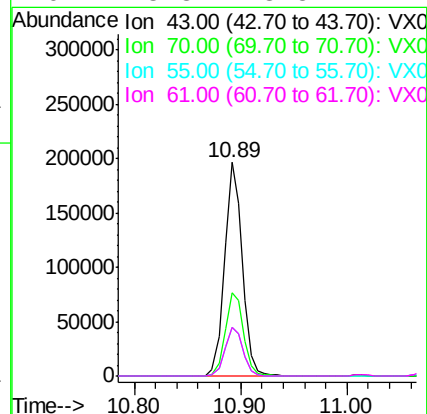
Ion Ratio Lower Upper

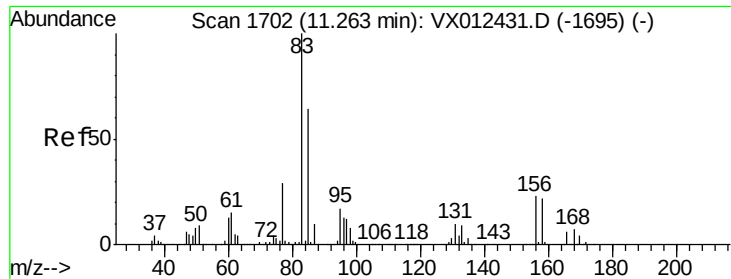
43 100

70 40.3 32.4 48.6

55 23.4 18.2 27.4

61 23.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.855 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

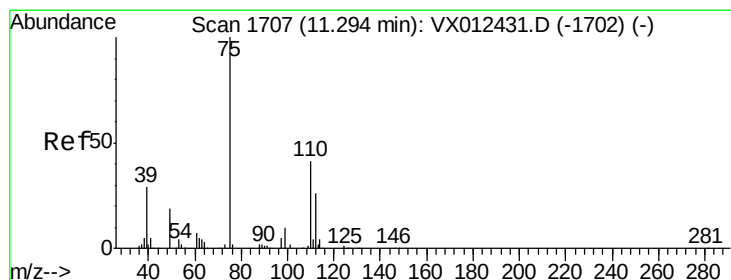
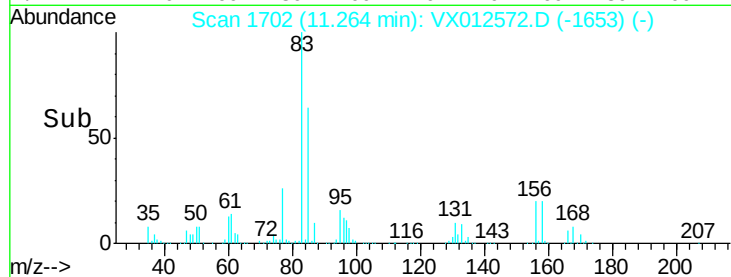
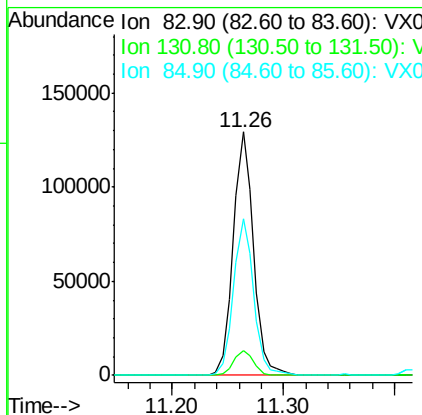
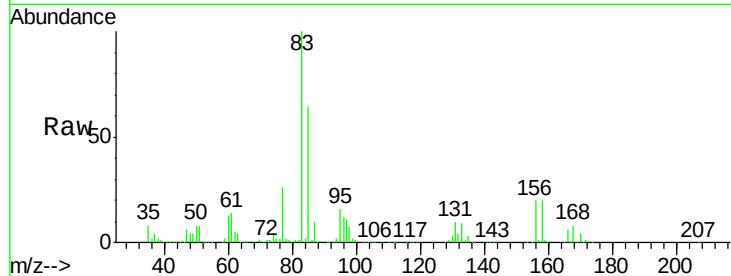
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	162553
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.571 ug/l m

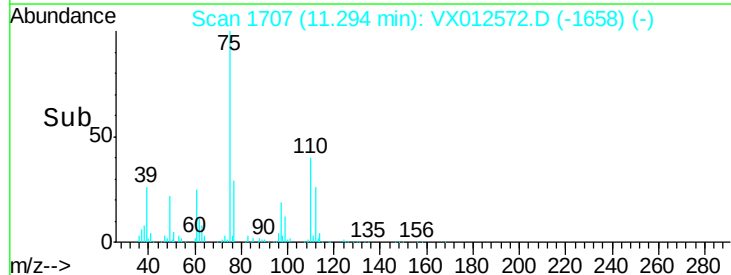
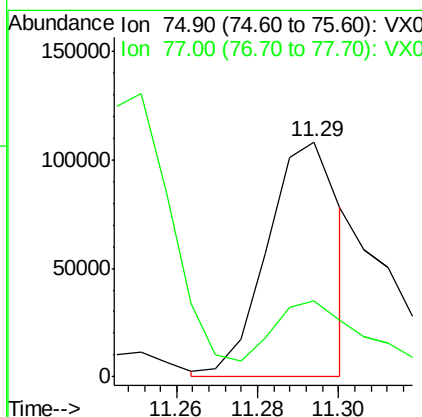
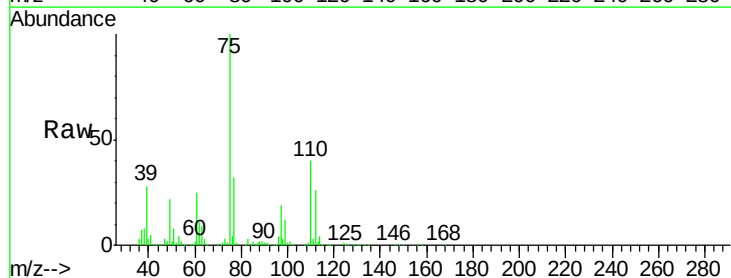
RT: 11.29 min Scan# 1707

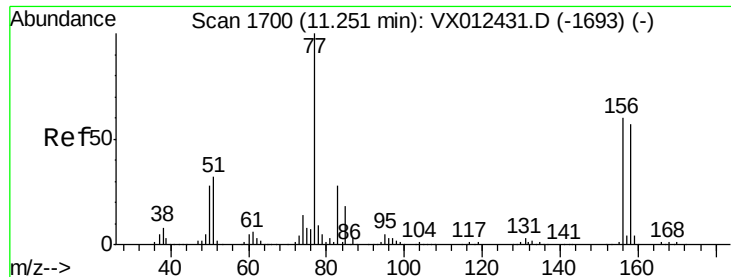
Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion:	75	Resp:	133322
Ion Ratio	Lower	Upper	
75	100		
77	43.5	19.7	59.0





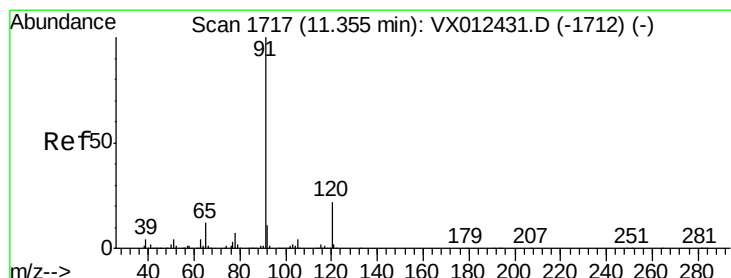
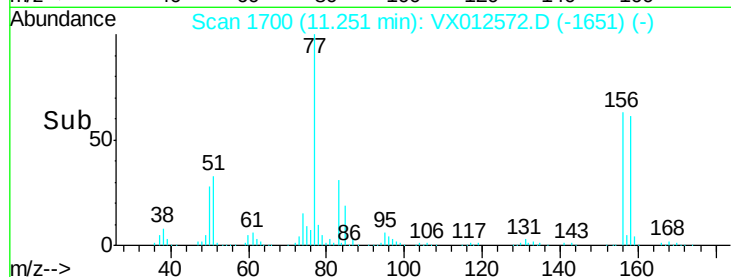
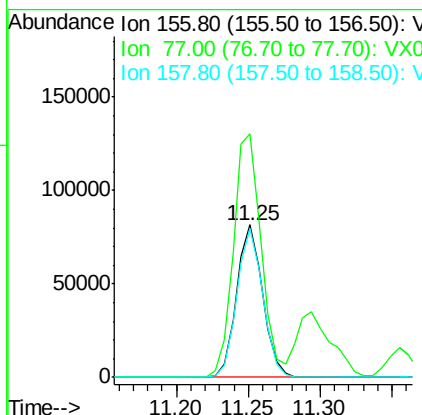
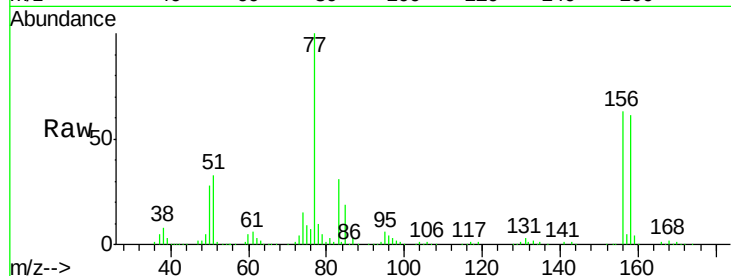
#77
Bromobenzene
Concen: 52.800 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.0	87.3	261.8
158	96.7	48.5	145.6

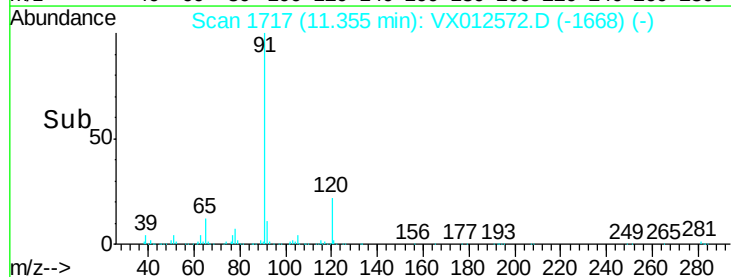
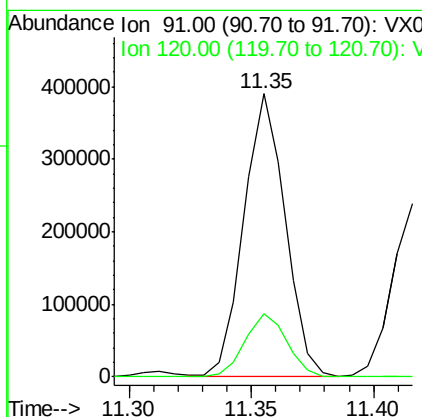
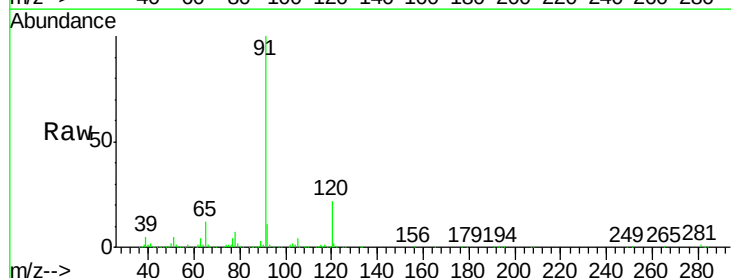
Manual Integrations
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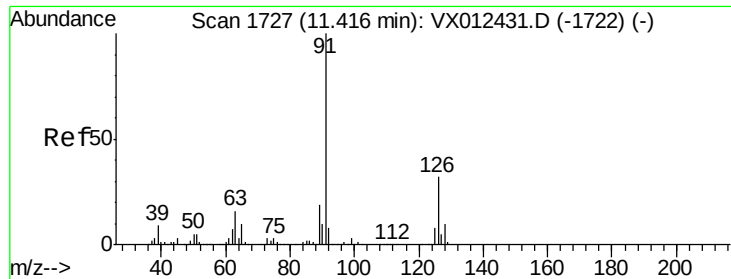
MMDadoda
9/23/2019 11:28:45 AM



#78
n-propylbenzene
Concen: 51.382 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.8





#79

2-Chlorotoluene

Concen: 50.285 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 291365

Ion Ratio Lower Upper

91 100

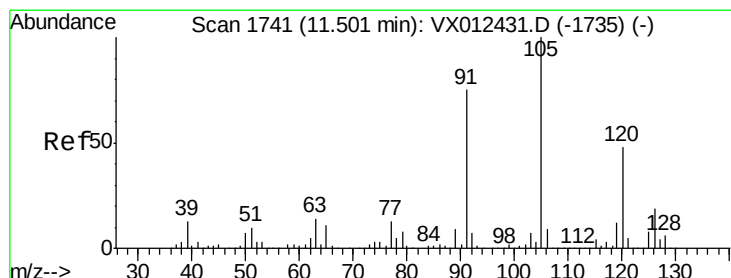
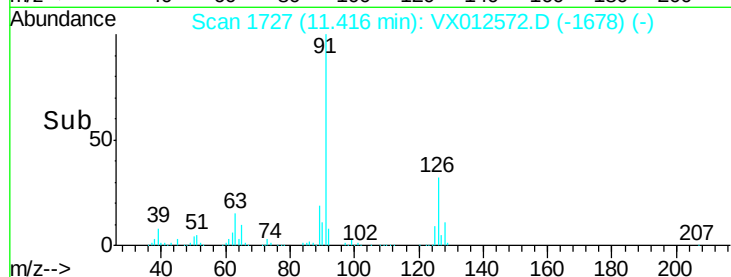
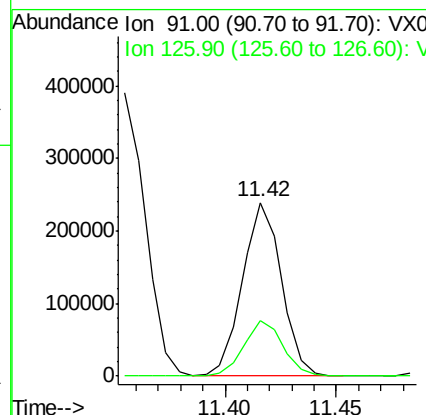
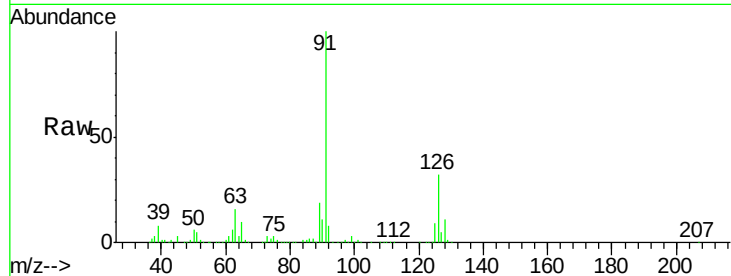
126 32.6 16.4 49.4

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#80

1,3,5-Trimethylbenzene

Concen: 51.495 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012572.D

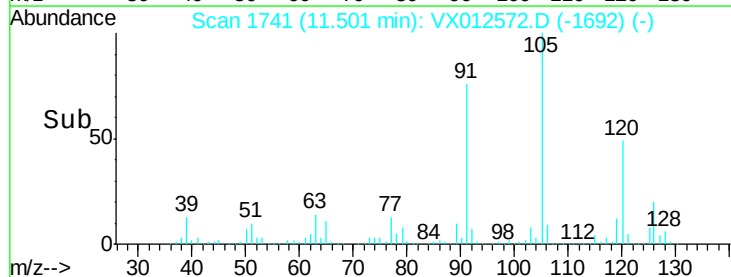
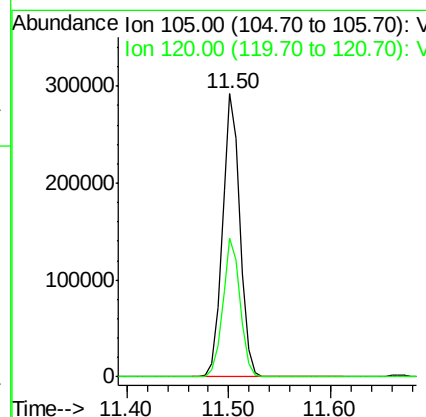
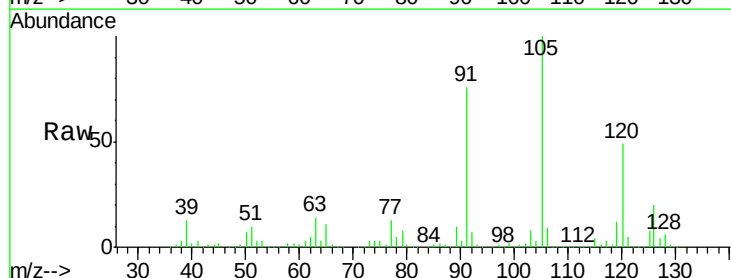
Acq: 20 Sep 2019 21:25

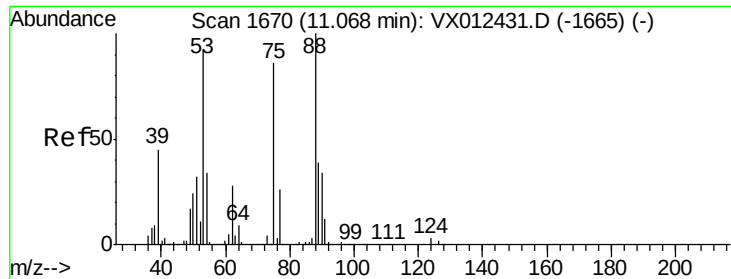
Tgt Ion: 105 Resp: 350947

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





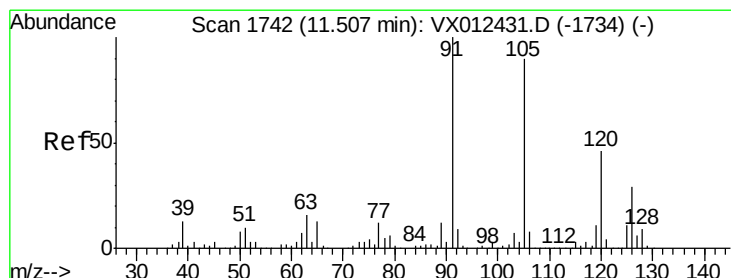
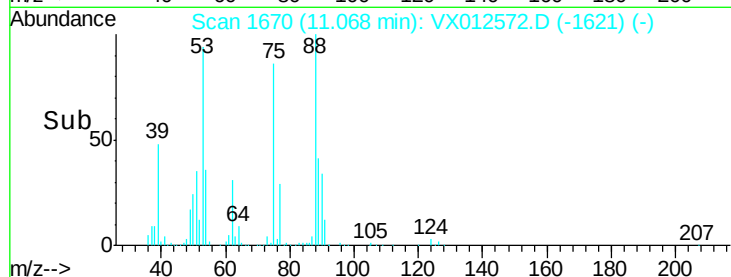
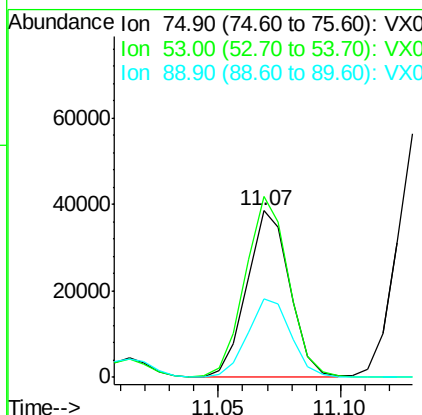
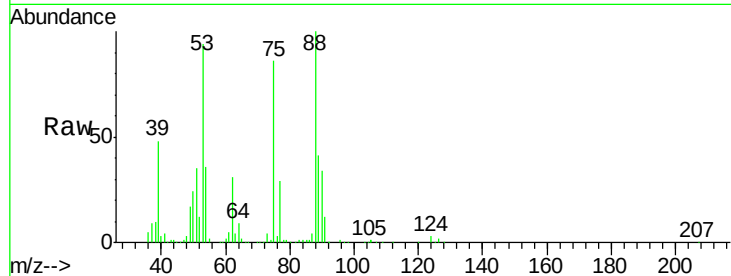
#81
trans-1,4-Dichloro-2-butene
Concen: 44.696 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.1	83.6	125.4
89	48.1	36.3	54.5

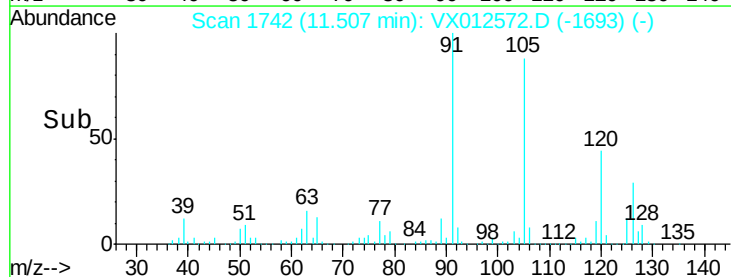
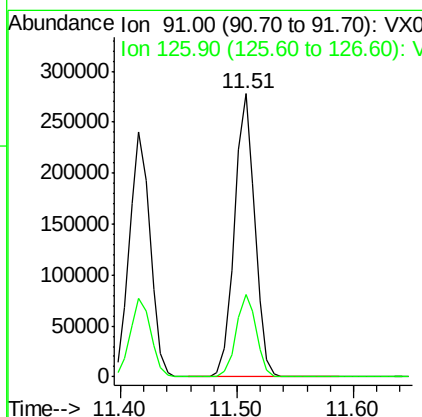
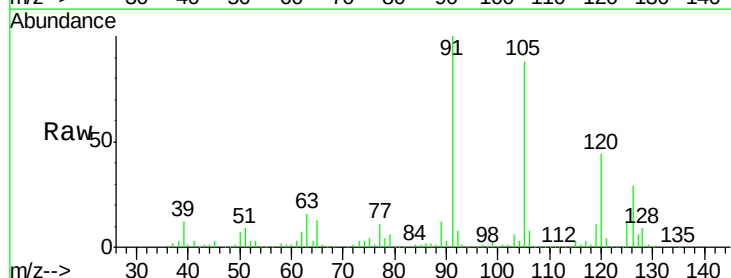
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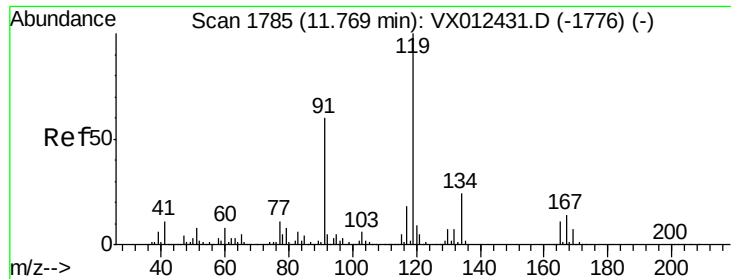
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.929 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012572.D
Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.4	43.0





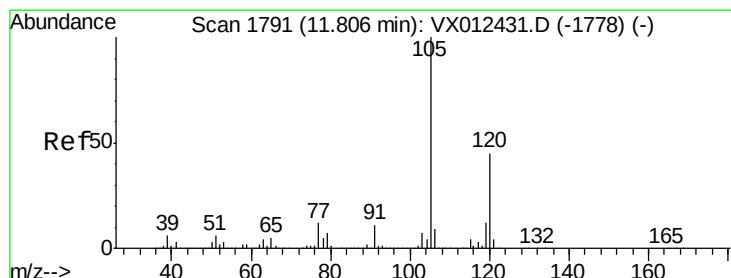
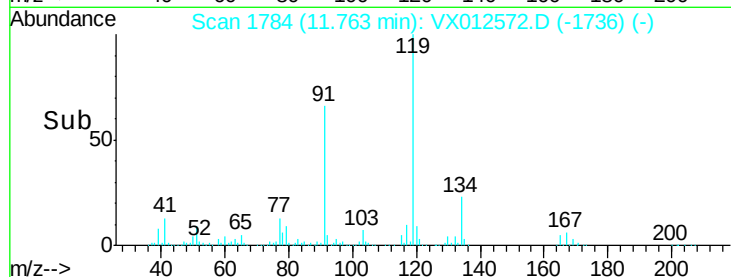
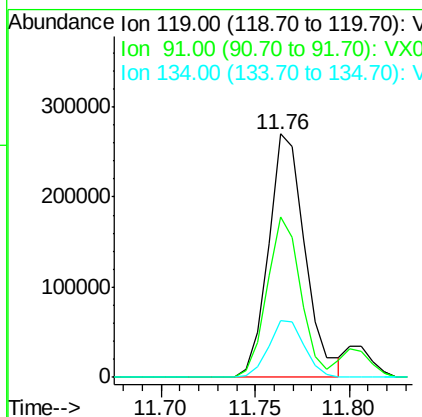
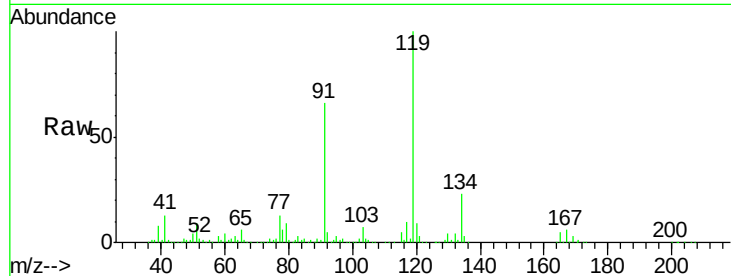
#83
 tert-Butylbenzene
 Concen: 49.691 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	362883		
91	60.9	30.0	90.0	
134	22.8	11.3	33.9	

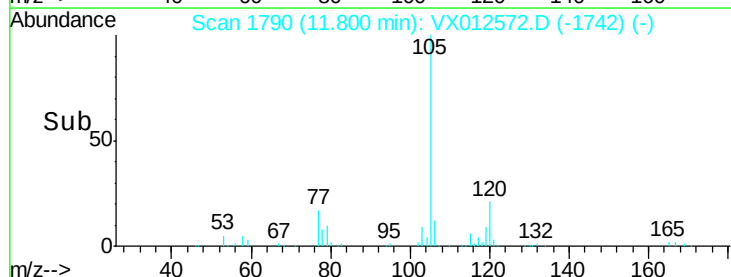
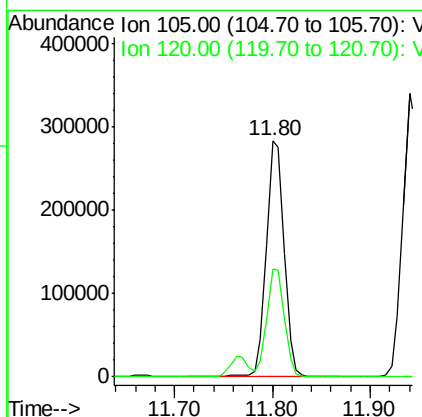
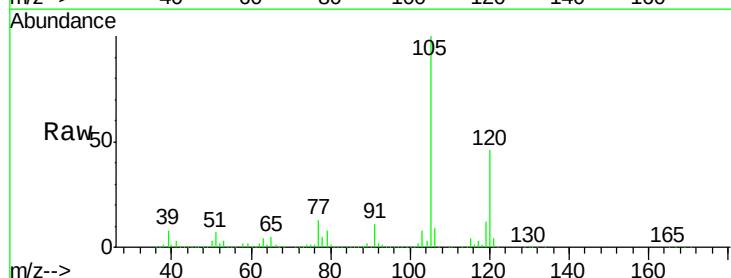
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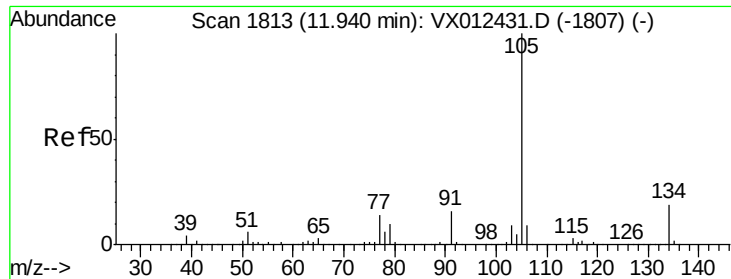
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.266 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	358741		
120	44.9	22.2	66.6	





#85

sec-Butylbenzene

Concen: 51.374 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 413416

Ion Ratio Lower Upper

105 100

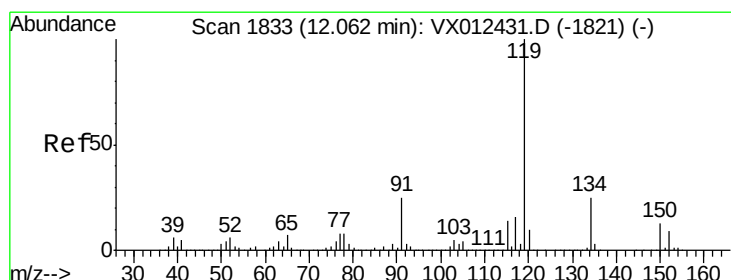
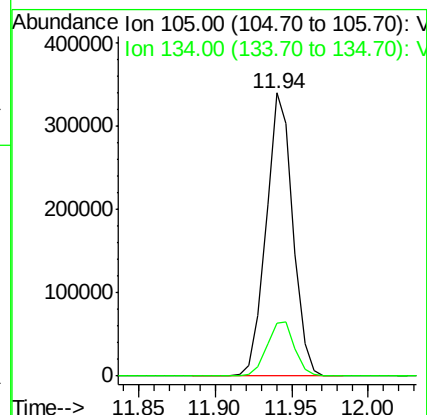
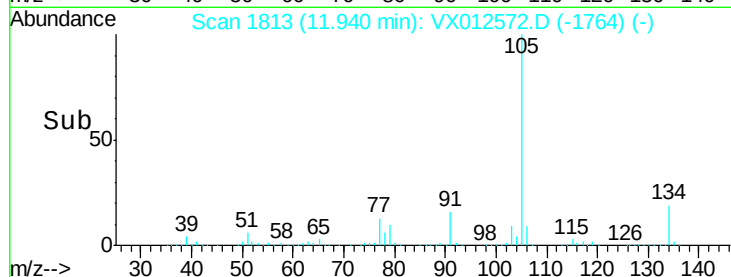
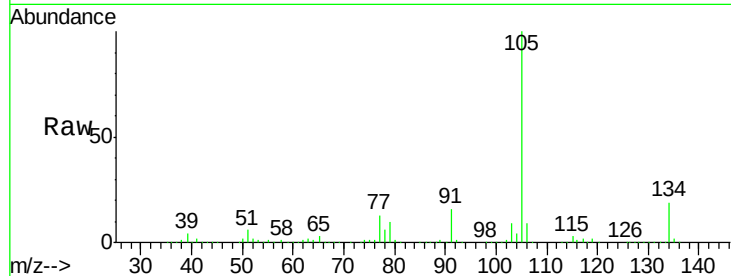
134 20.0 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.797 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

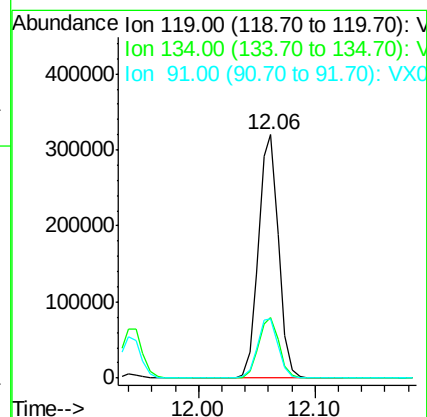
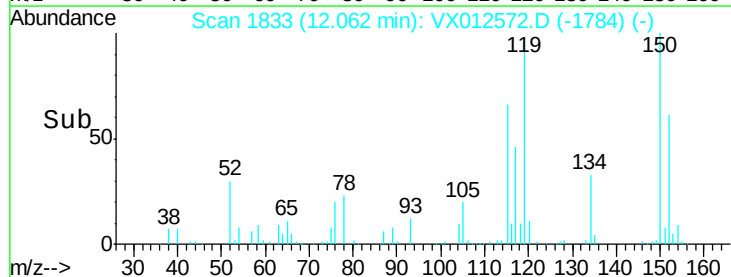
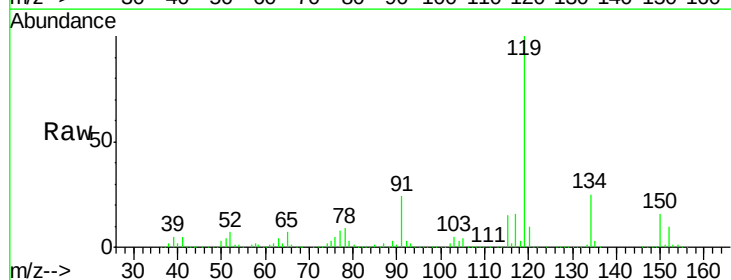
Tgt Ion:119 Resp: 382744

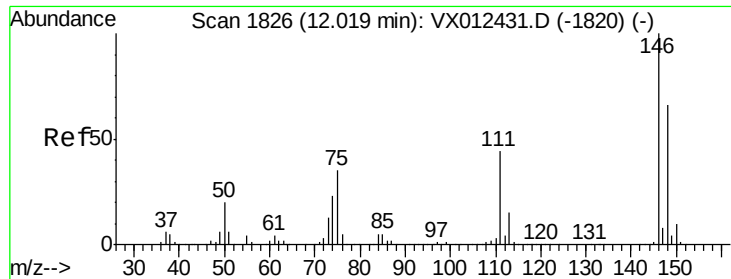
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 25.2 12.8 38.4





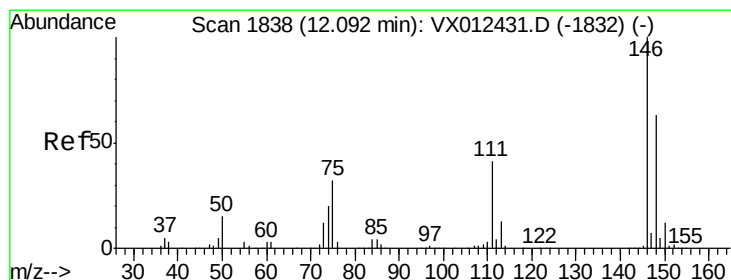
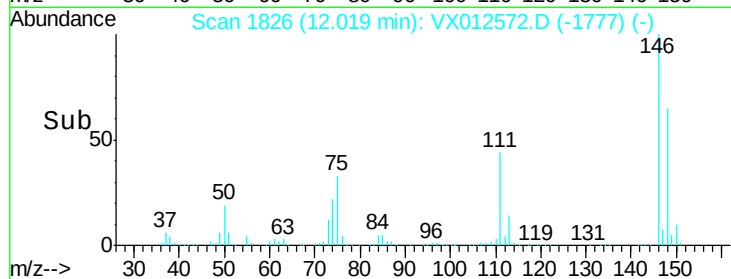
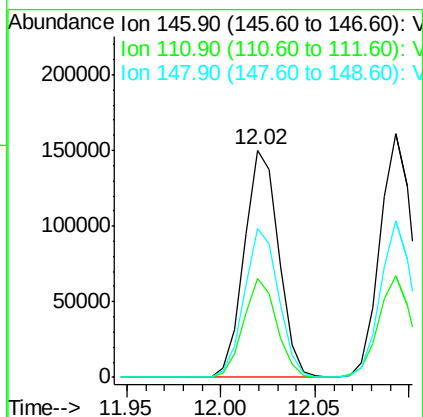
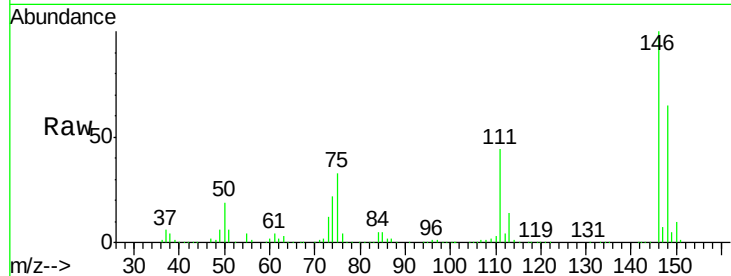
#87
 1,3-Dichlorobenzene
 Concen: 51.993 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	64.0
148	65.1	32.4	97.2

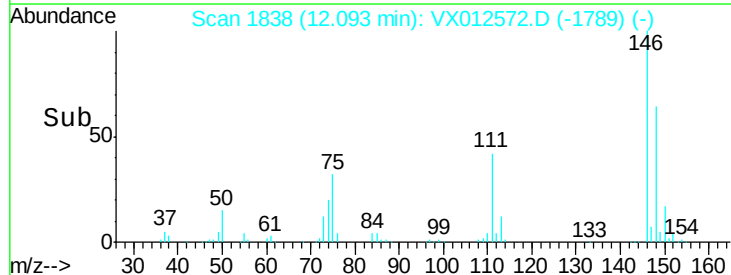
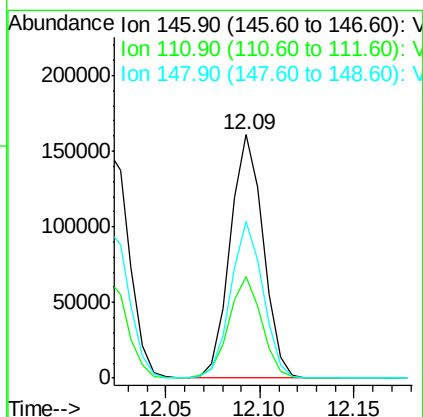
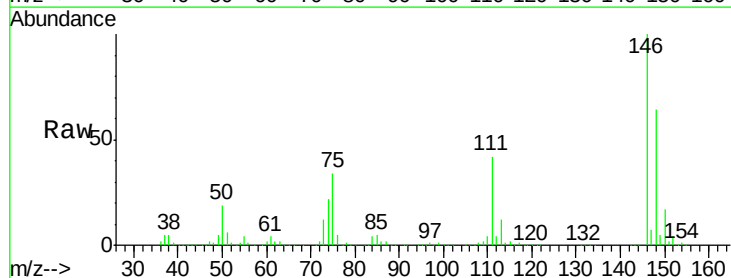
Manual Integrations
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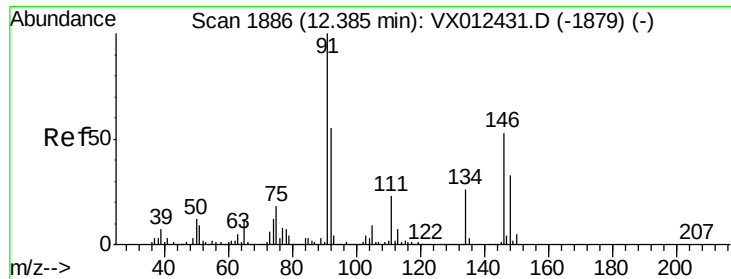
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#88
 1,4-Dichlorobenzene
 Concen: 51.901 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.1	63.3
148	63.0	32.1	96.5





#89

n-Butylbenzene

Concen: 48.769 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

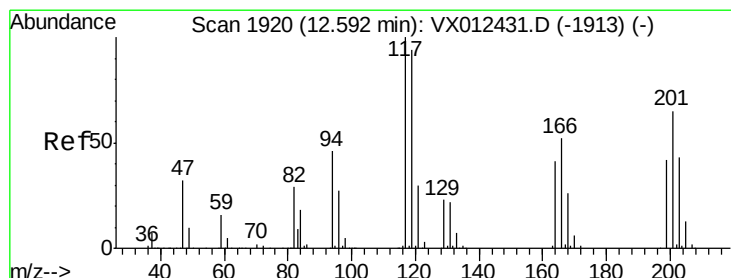
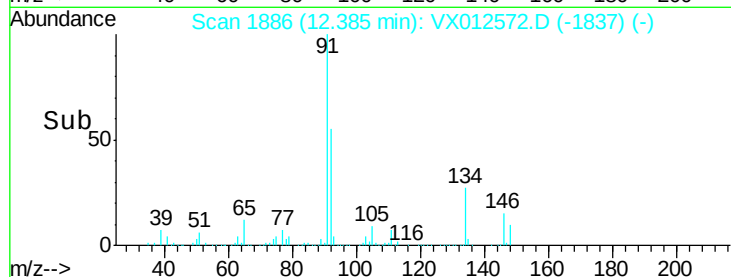
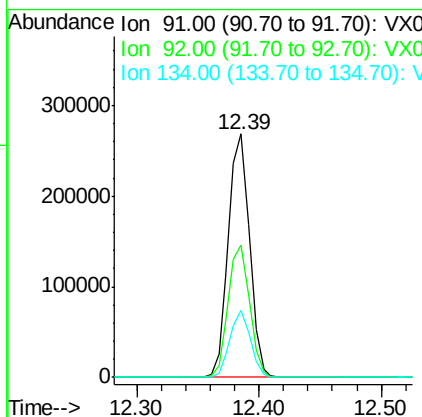
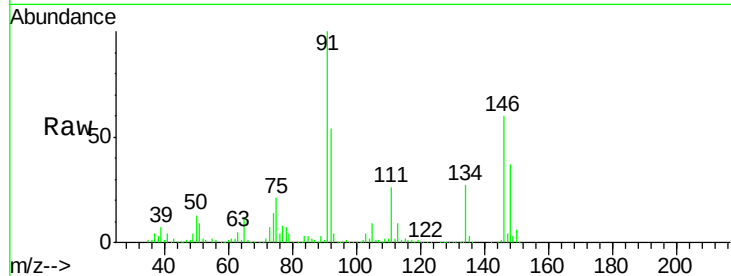
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	321536
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.7	83.0
134	26.4	12.9	38.6

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#90

Hexachloroethane

Concen: 49.103 ug/l

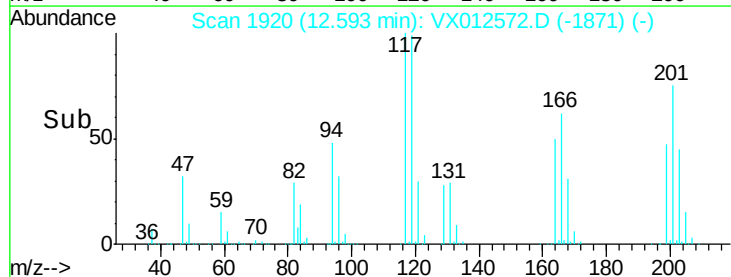
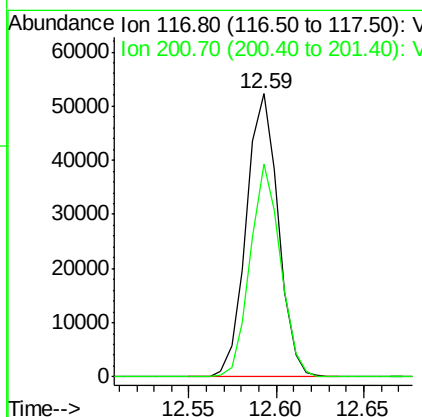
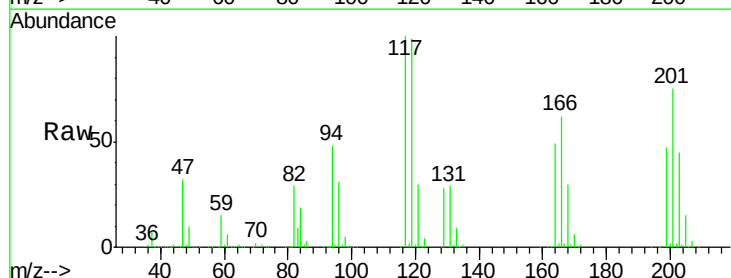
RT: 12.59 min Scan# 1920

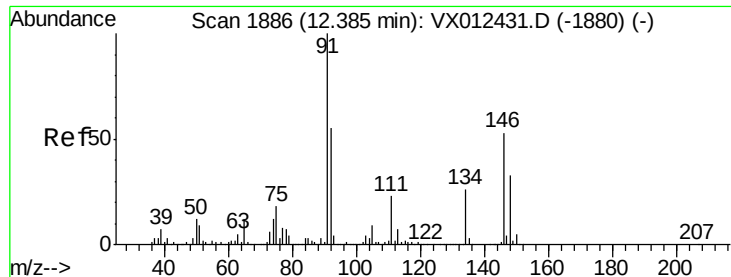
Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion:	117	Resp:	66530
Ion	Ratio	Lower	Upper
117	100		
201	71.3	33.3	99.8





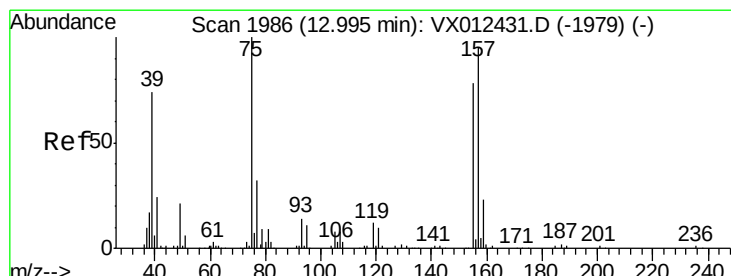
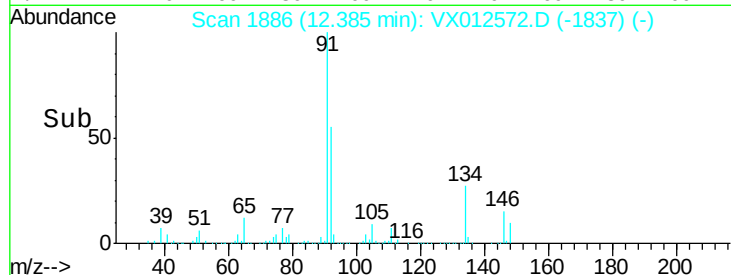
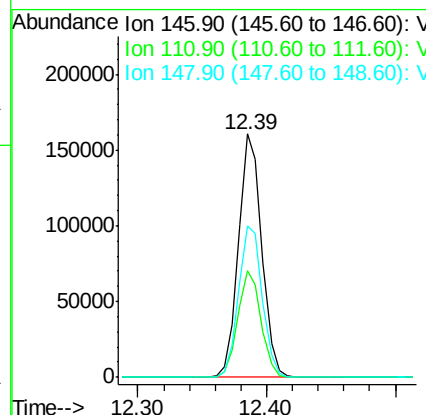
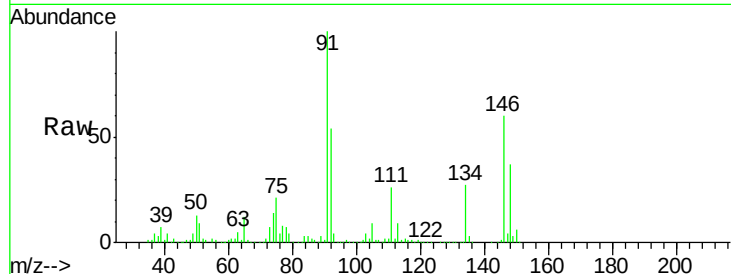
#91
 1,2-Dichlorobenzene
 Concen: 52.771 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202203		
111	43.8	22.1	66.1	
148	63.6	31.3	93.9	

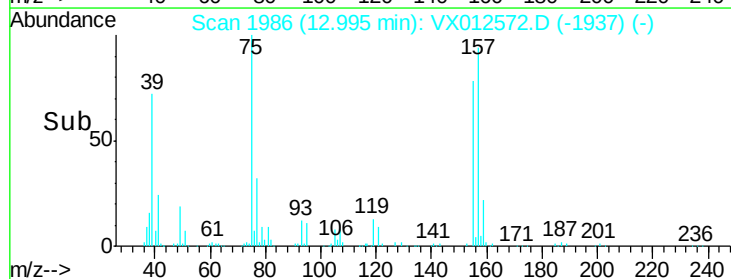
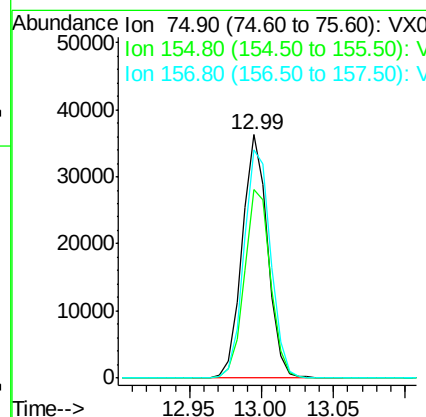
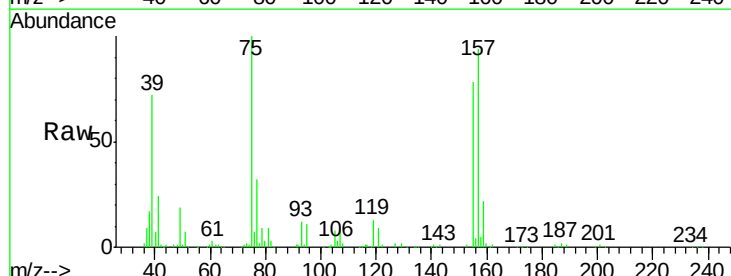
Manual Integrations
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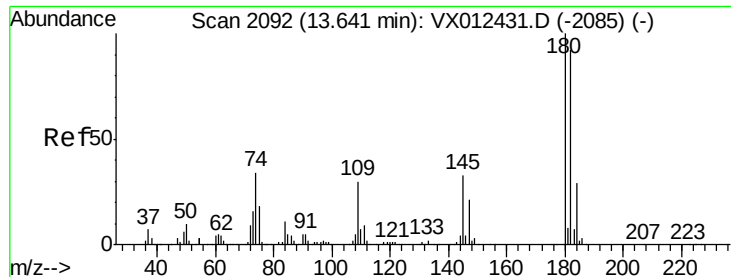
MMDadoda
 9/23/2019 11:28:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.713 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44465		
155	79.3	38.6	115.8	
157	98.3	50.6	151.9	





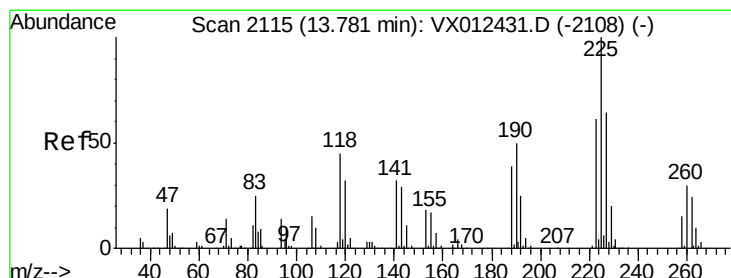
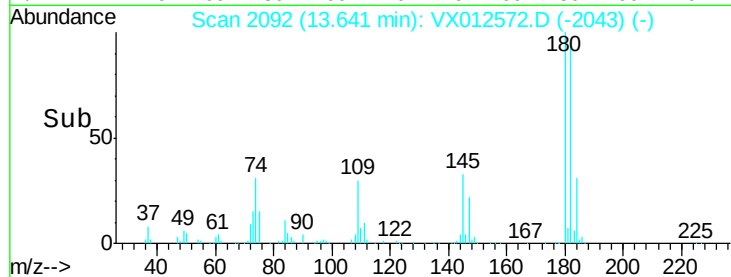
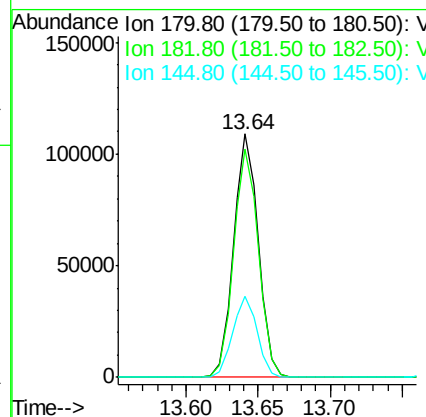
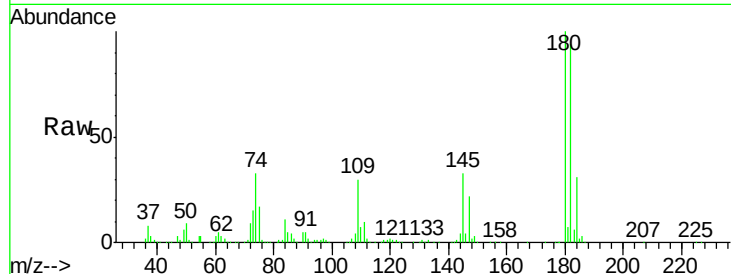
#93
 1,2,4-Trichlorobenzene
 Concen: 53.231 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131378		
182	94.5	47.0	141.0	
145	33.3	16.8	50.4	

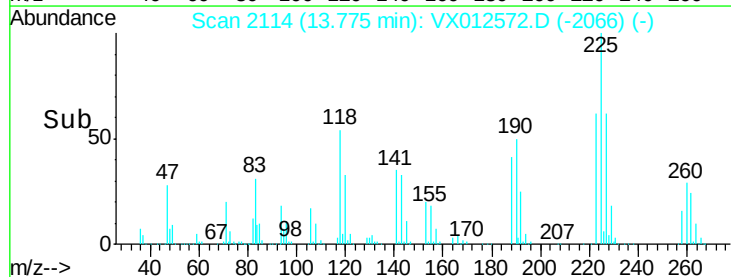
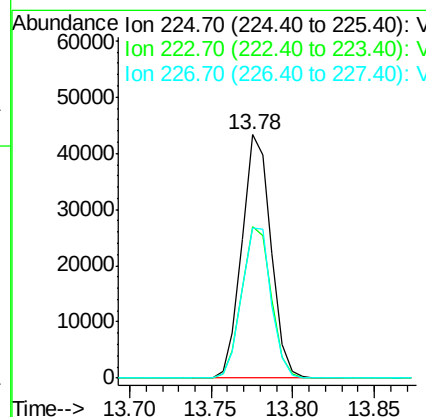
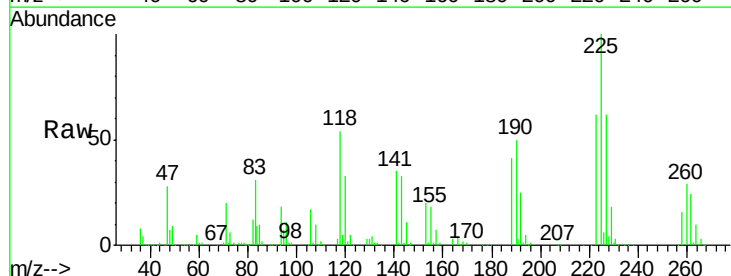
Manual Integrations
 APPROVED

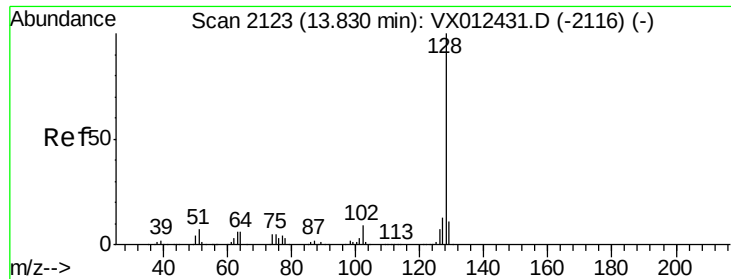
MMDadoda
 9/23/2019 11:28:45 AM



#94
 Hexachlorobutadiene
 Concen: 46.255 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012572.D
 Acq: 20 Sep 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53806		
223	63.2	32.0	96.2	
227	62.8	31.9	95.5	





#95

Naphthalene

Concen: 55.154 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Instrument :

MSVOA_X

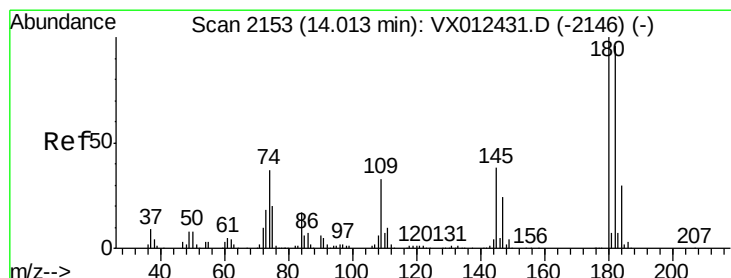
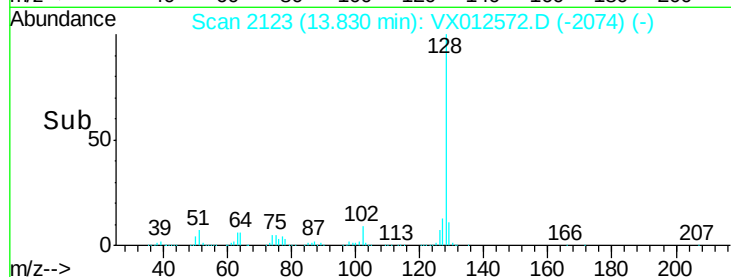
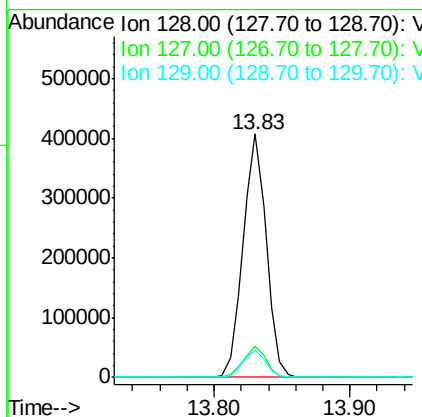
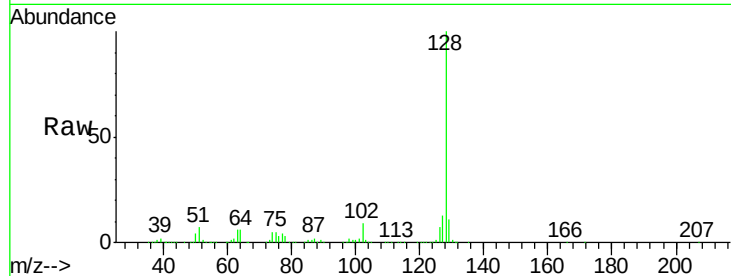
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	484353
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/23/2019 11:28:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.991 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012572.D

Acq: 20 Sep 2019 21:25

Tgt Ion:	180	Resp:	135790
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.1	141.3
145	34.9	18.0	54.0

