

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080619\
 Data File : VX011351.D
 Acq On : 06 Aug 2019 16:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 11:25:46 AM

Quant Time: Aug 07 02:05:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	207348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	159731	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	105090	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
35) Dibromofluoromethane	5.48	113	91168	46.51	ug/l	-0.01
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	8.71	98	342979	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	11.13	95	136091	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	83762	52.304	ug/l	97
3) Chloromethane	1.32	50	86587	48.148	ug/l	98
4) Vinyl Chloride	1.40	62	97068	49.070	ug/l	98
5) Bromomethane	1.63	94	50329	35.674	ug/l	100
6) Chloroethane	1.71	64	60253	49.154	ug/l	100
7) Trichlorofluoromethane	1.92	101	167181	47.531	ug/l	100
8) Diethyl Ether	2.18	74	57291	45.616	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	92975	48.854	ug/l	99
10) Methyl Iodide	2.50	142	122034	50.861	ug/l	97
11) Tert butyl alcohol	3.04	59	107202	257.459	ug/l	99
12) 1,1-Dichloroethene	2.36	96	88230	46.768	ug/l	88
13) Acrolein	2.28	56	63185	244.169	ug/l	100
14) Allyl chloride	2.71	41	138966	55.255	ug/l	98
15) Acrylonitrile	3.13	53	244178	245.743	ug/l	99
16) Acetone	2.43	43	249990	251.525	ug/l	96
17) Carbon Disulfide	2.56	76	214465	48.444	ug/l	100
18) Methyl Acetate	2.76	43	112033	49.325	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	300794	54.104	ug/l	99
20) Methylene Chloride	2.84	84	103123	47.376	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	98869	49.543	ug/l	89
22) Diisopropyl ether	3.84	45	286258	51.787	ug/l	97
23) Vinyl Acetate	3.80	43	1246646	271.921	ug/l	98
24) 1,1-Dichloroethane	3.68	63	165360	50.734	ug/l	99
25) 2-Butanone	4.65	43	349218	247.003	ug/l	96
26) 2,2-Dichloropropane	4.57	77	145207	57.310	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	114401	49.770	ug/l	98
28) Bromochloromethane	5.00	49	72131	48.543	ug/l	100
29) Tetrahydrofuran	5.11	42	209201	241.326	ug/l	99
30) Chloroform	5.20	83	182079	51.399	ug/l	97
31) Cyclohexane	5.56	56	134370	49.969	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	161213	53.124	ug/l	100
36) 1,1-Dichloropropene	5.79	75	132037	50.367	ug/l	99
37) Ethyl Acetate	4.82	43	128960	49.043	ug/l	100
38) Carbon Tetrachloride	5.78	117	141228	53.548	ug/l	92

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Quant Time: Aug 07 02:05:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	149017	47.957	ug/l	98
40) Benzene	6.13	78	388256	49.632	ug/l	99
41) Methacrylonitrile	5.03	41	71356	49.688	ug/l	98
42) 1,2-Dichloroethane	6.18	62	141945	53.661	ug/l	98
43) Isopropyl Acetate	6.43	43	211420	50.290	ug/l	99
44) Trichloroethene	7.20	130	115703	48.865	ug/l	95
45) 1,2-Dichloropropane	7.50	63	96952	47.855	ug/l	98
46) Dibromomethane	7.65	93	71272	48.190	ug/l	98
47) Bromodichloromethane	7.89	83	131886	52.670	ug/l	98
48) Methyl methacrylate	7.76	41	103579	52.353	ug/l	97
49) 1,4-Dioxane	7.73	88	53091	925.613	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	675166	248.852	ug/l	100
52) Toluene	8.78	92	255711	49.440	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147994	50.707	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	160101	54.735	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	106227	49.953	ug/l	99
56) Ethyl methacrylate	9.17	69	159767	52.720	ug/l	98
57) 1,3-Dichloropropane	9.37	76	168990	50.248	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	466186	312.866	ug/l	100
59) 2-Hexanone	9.49	43	528752	251.609	ug/l	99
60) Dibromochloromethane	9.58	129	115818	53.196	ug/l	97
61) 1,2-Dibromoethane	9.66	107	115020	50.063	ug/l	99
64) Tetrachloroethene	9.33	164	113033	47.486	ug/l	96
65) Chlorobenzene	10.13	112	292127	48.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	107266	52.134	ug/l	99
67) Ethyl Benzene	10.25	91	510437	50.714	ug/l	100
68) m/p-Xylenes	10.35	106	396500	101.846	ug/l	96
69) o-Xylene	10.69	106	189107	49.438	ug/l	98
70) Styrene	10.71	104	334682	52.879	ug/l	98
71) Bromoform	10.85	173	85768	46.813	ug/l	99
73) Isopropylbenzene	11.01	105	522312	47.811	ug/l	100
74) N-amyl acetate	10.89	43	198116	50.190	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	161559	44.377	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	142228m	48.894	ug/l	
77) Bromobenzene	11.25	156	143196	47.270	ug/l	96
78) n-propylbenzene	11.35	91	595773	49.040	ug/l	99
79) 2-Chlorotoluene	11.41	91	346893	47.907	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	444674	48.625	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	50382	46.589	ug/l	100
82) 4-Chlorotoluene	11.51	91	423210	50.150	ug/l	98
83) tert-Butylbenzene	11.77	119	437104	48.734	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	456379	50.124	ug/l	100
85) sec-Butylbenzene	11.94	105	512300	47.541	ug/l	100
86) p-Isopropyltoluene	12.06	119	485750	48.998	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	261660	48.886	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	262560	47.571	ug/l	97
89) n-Butylbenzene	12.38	91	427426	50.045	ug/l	99
90) Hexachloroethane	12.59	117	71417	48.727	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	252757	46.998	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	35202	49.909	ug/l	93

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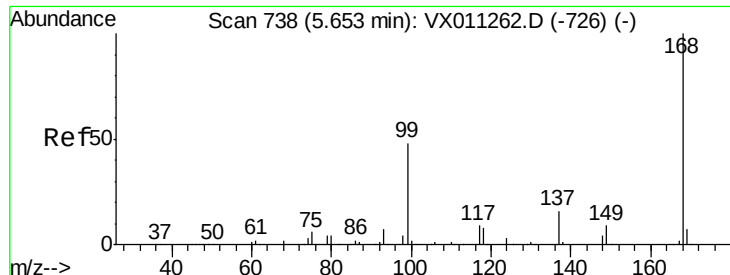
Manual Integrations
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8/7/2019 11:25:46 AM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	182863	51.271	ug/l	99
94) Hexachlorobutadiene	13.78	225	71425	39.471	ug/l	99
95) Naphthalene	13.83	128	559960	53.687	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	177836	49.045	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 207348

Ion Ratio Lower Upper

168 100

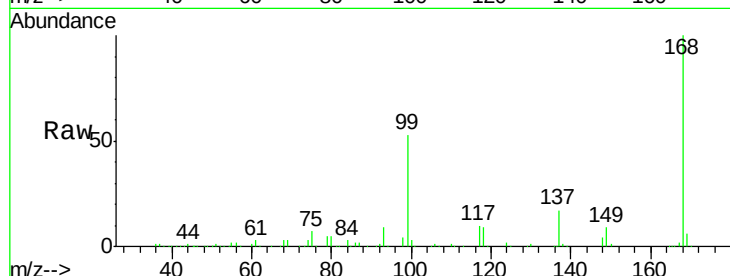
99 53.0 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

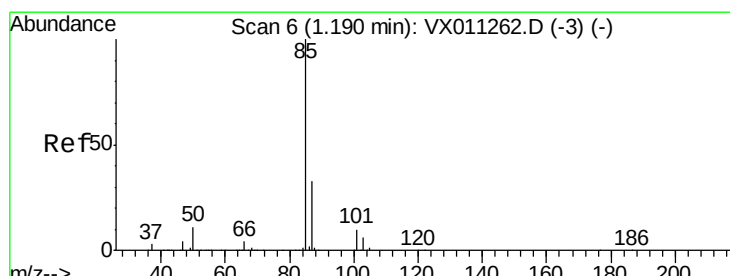
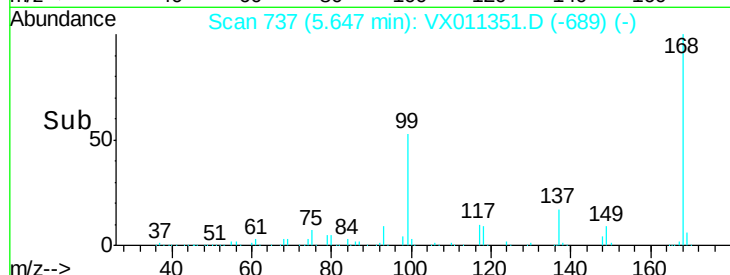
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.304 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011351.D

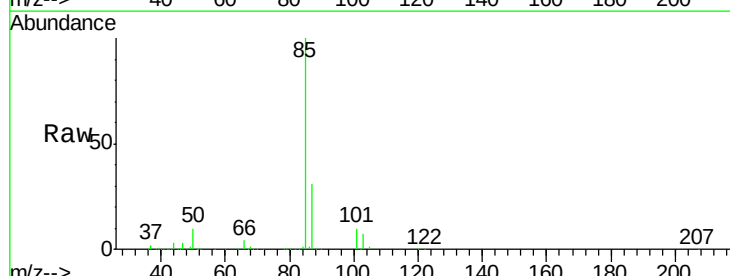
Acq: 06 Aug 2019 16:25

Tgt Ion: 85 Resp: 83762

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100000

80000

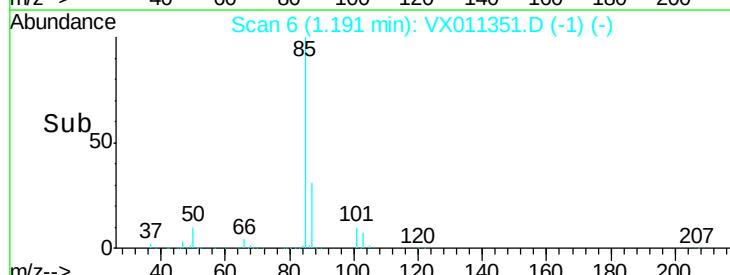
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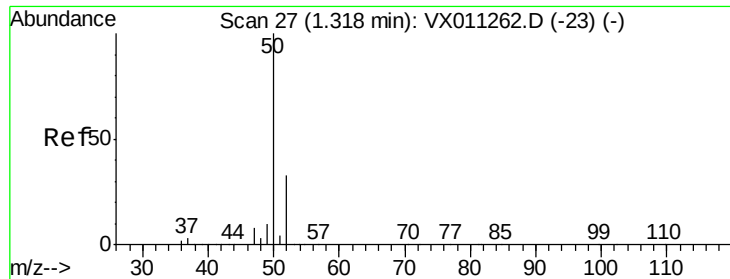
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20000

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Time-->





#3

Chloromethane

Concen: 48.148 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 86587

Ion Ratio Lower Upper

50 100

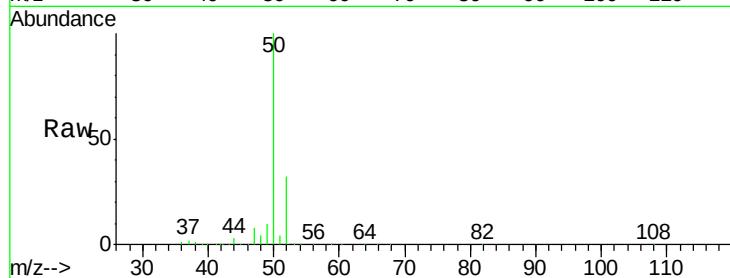
52 31.7 26.4 39.6

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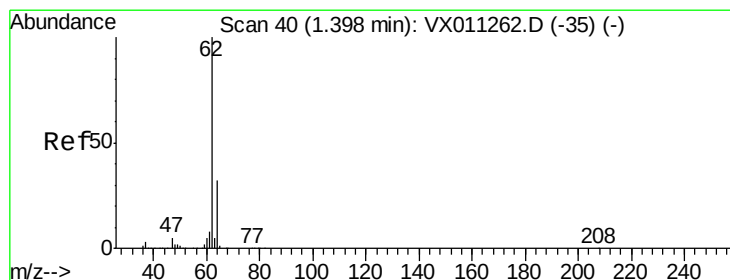
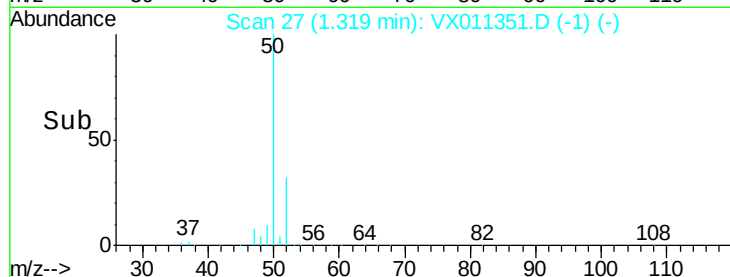
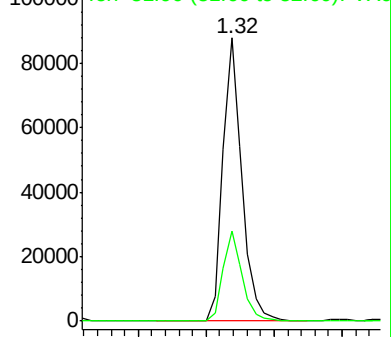
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.070 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011351.D

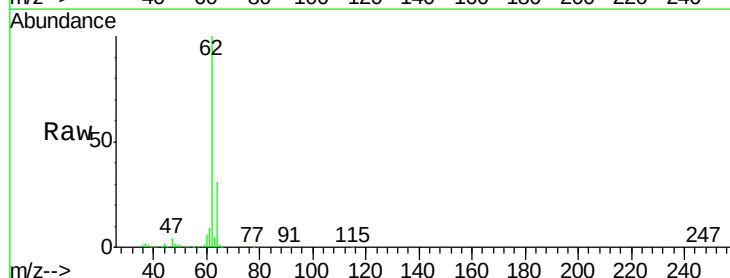
Acq: 06 Aug 2019 16:25

Tgt Ion: 62 Resp: 97068

Ion Ratio Lower Upper

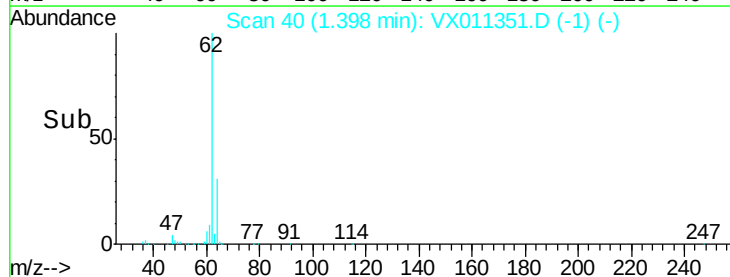
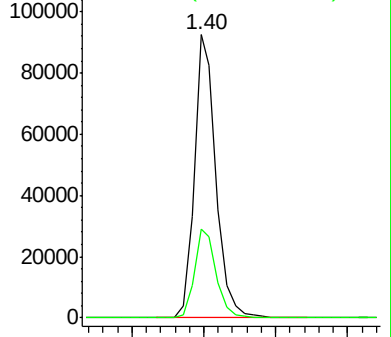
62 100

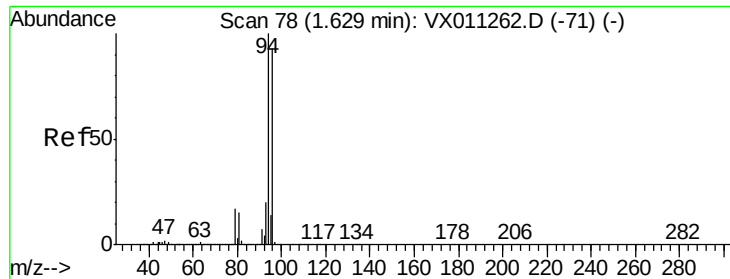
64 31.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 35.674 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 50329

Ion Ratio Lower Upper

94 100

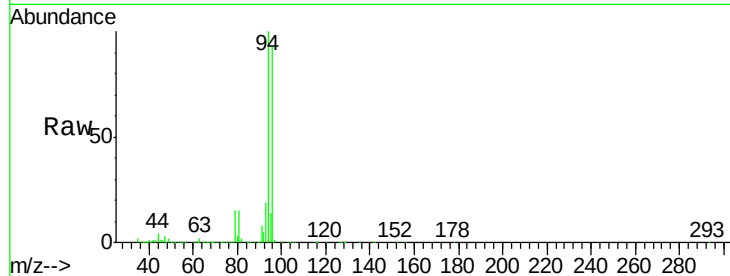
96 92.8 74.6 112.0

Manual Integrations

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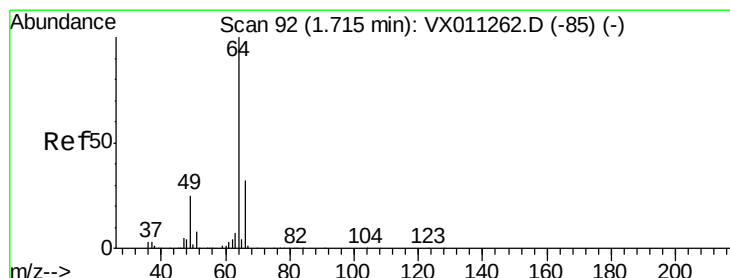
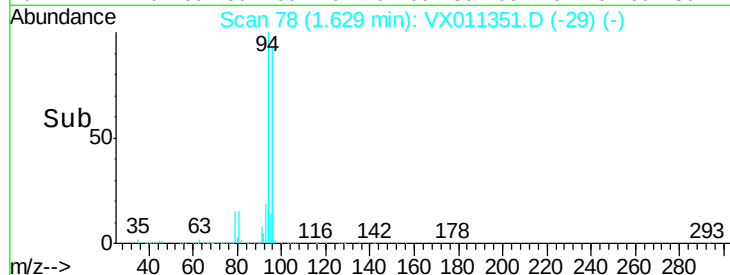
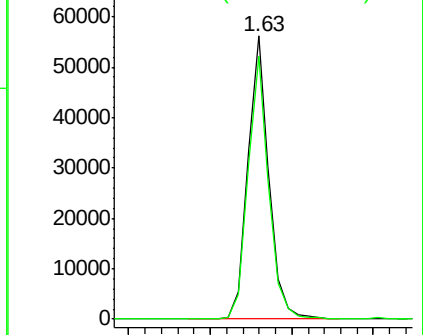
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.154 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011351.D

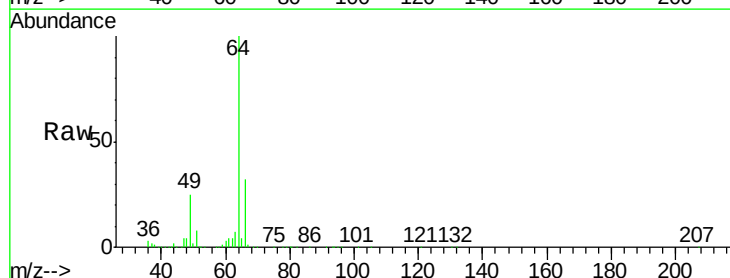
Acq: 06 Aug 2019 16:25

Tgt Ion: 64 Resp: 60253

Ion Ratio Lower Upper

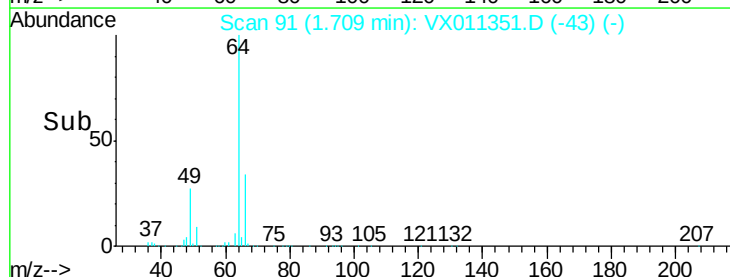
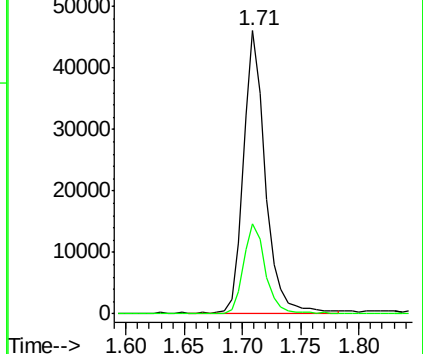
64 100

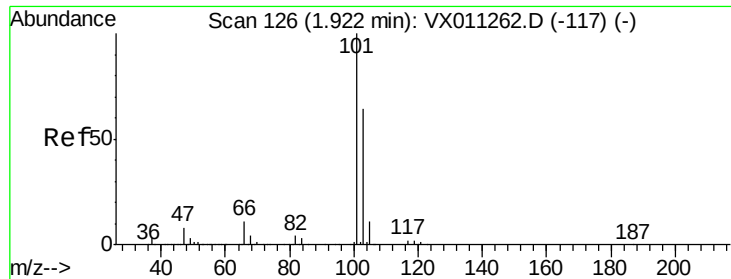
66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

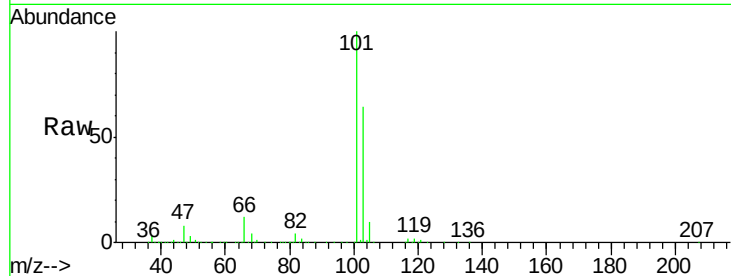
Trichlorofluoromethane
Concen: 47.531 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

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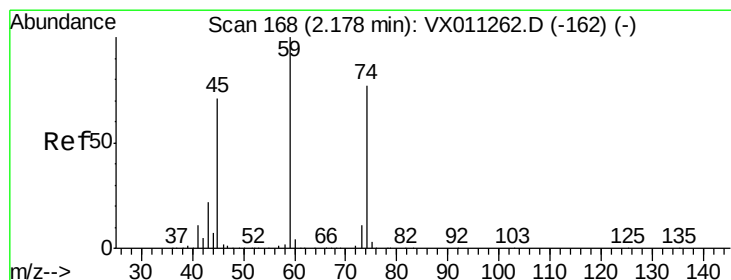
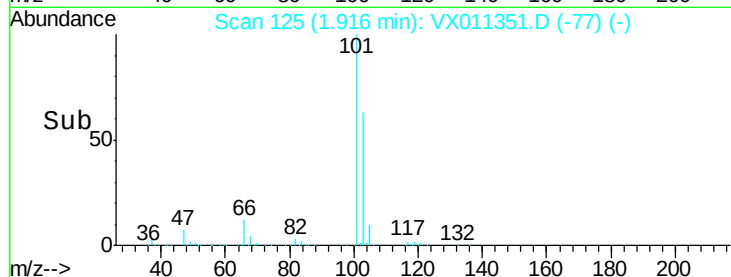
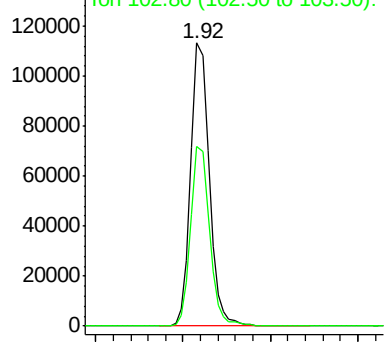
Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.9	76.3

Manual Integrations
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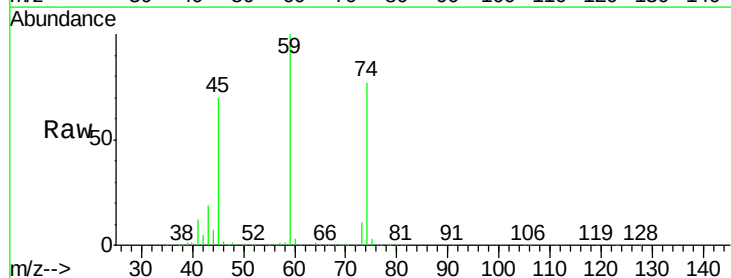
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



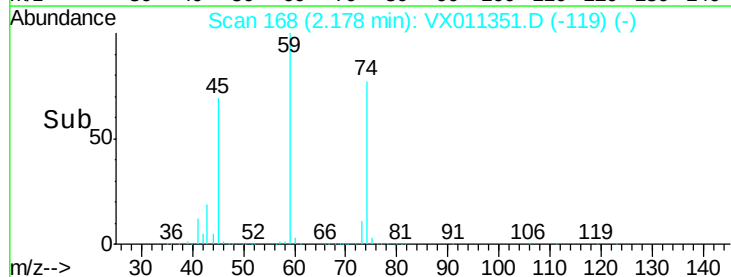
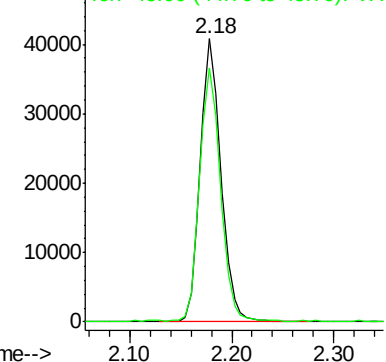
#8

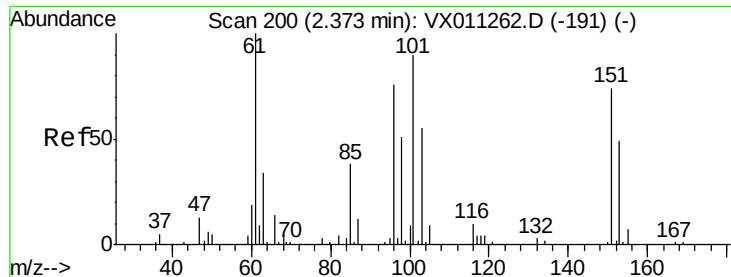
Diethyl Ether
Concen: 45.616 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011351.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.6	46.1	138.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





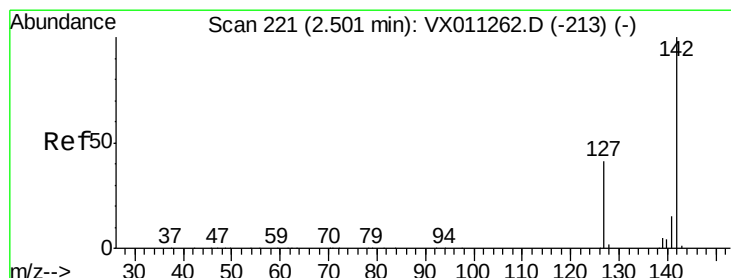
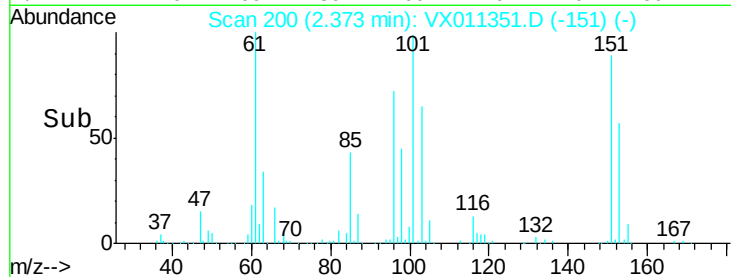
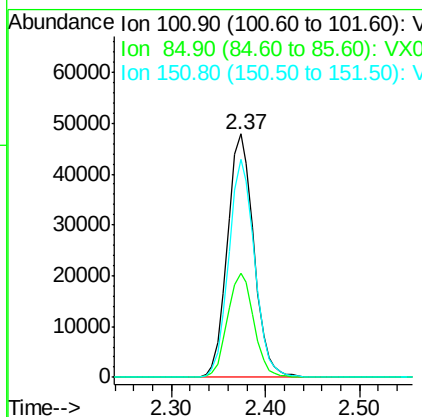
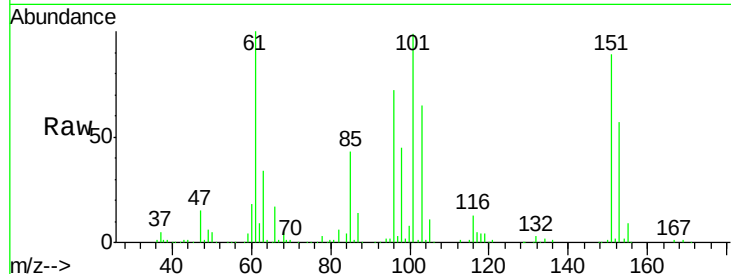
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.854 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.8	33.8	50.6
151	87.8	69.5	104.3

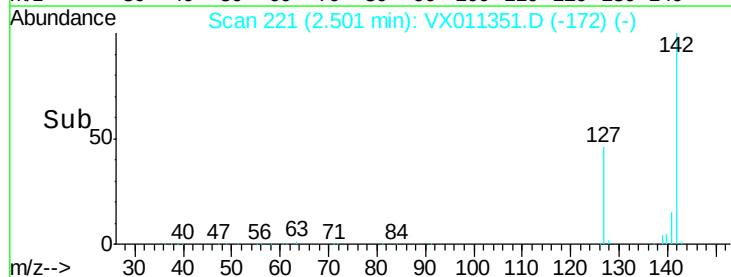
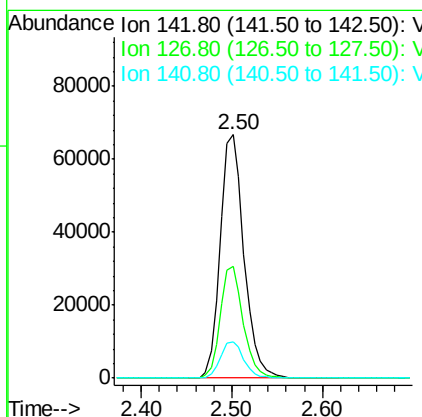
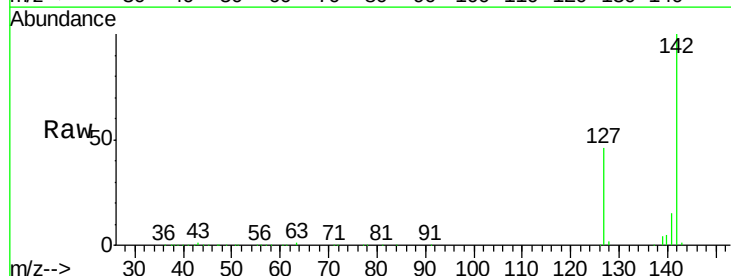
Manual Integrations
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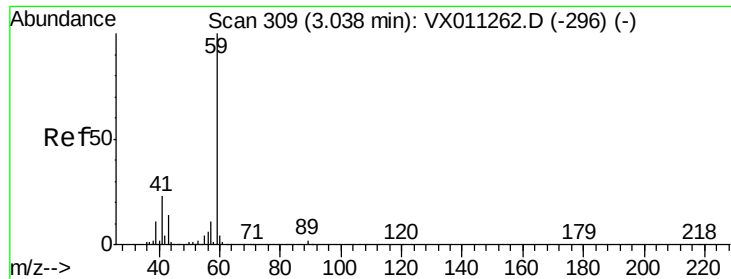
MMDadoda
 8/7/2019 11:25:46 AM



#10
 Methyl Iodide
 Concen: 50.861 ug/l
 RT: 2.50 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.4	33.8	50.8
141	14.8	11.4	17.2





#11

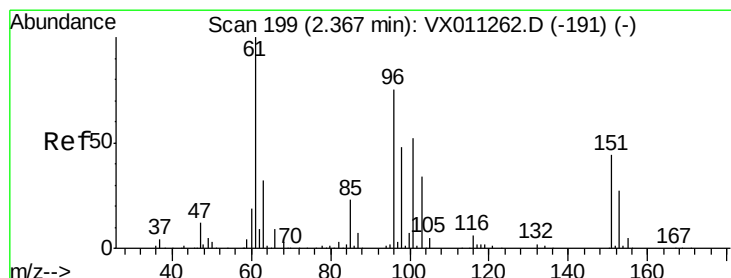
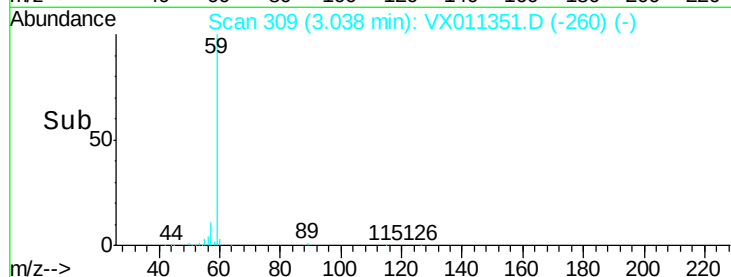
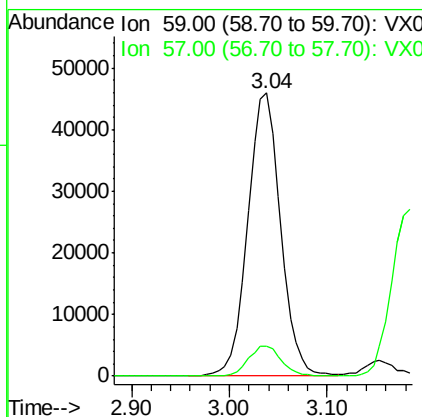
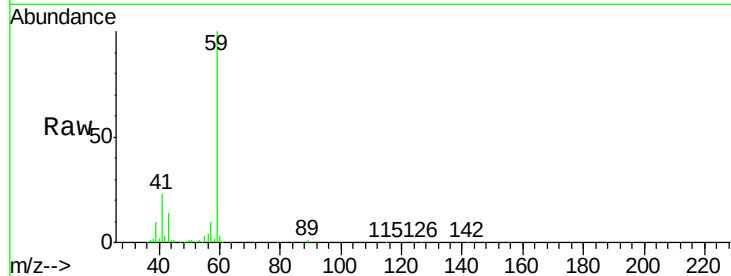
Tert butyl alcohol
Concen: 257.459 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	107202
Ion Ratio	100	Lower	Upper
57	10.7	8.3	12.5

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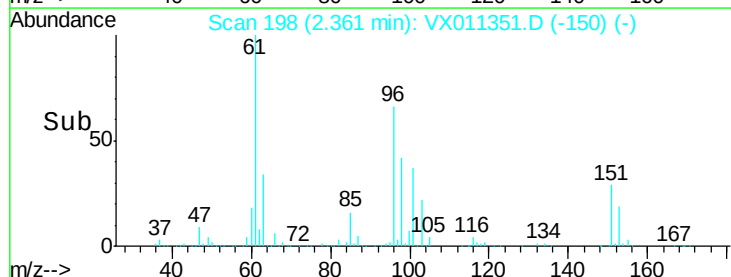
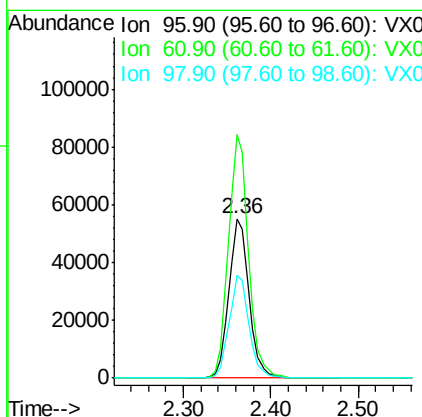
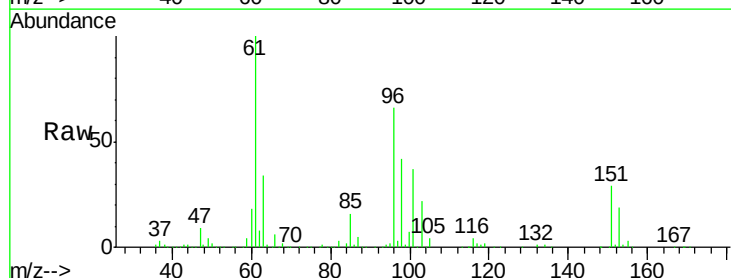
MMDadoda
8/7/2019 11:25:46 AM

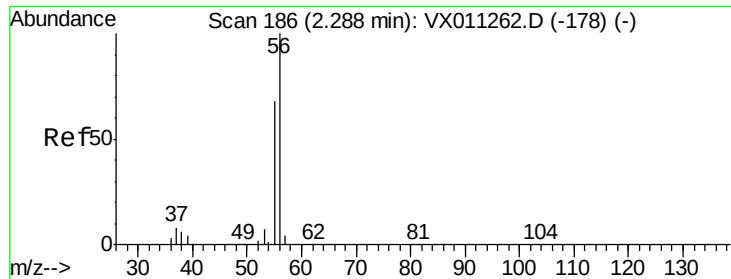


#12

1,1-Dichloroethene
Concen: 46.768 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	96	Resp	88230
Ion Ratio	100	Lower	Upper
61	152.5	106.2	159.2
98	64.8	50.6	75.8





#13

Acrolein

Concen: 244.169 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 63185

Ion Ratio Lower Upper

56 100

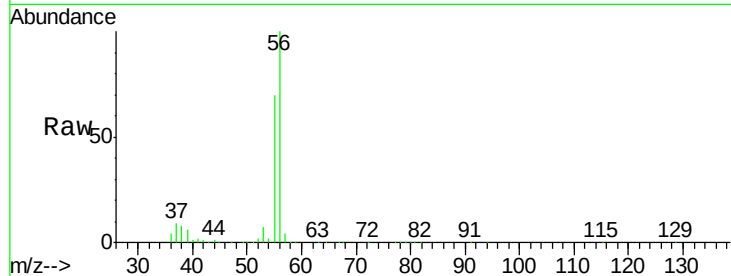
55 69.7 56.0 84.0

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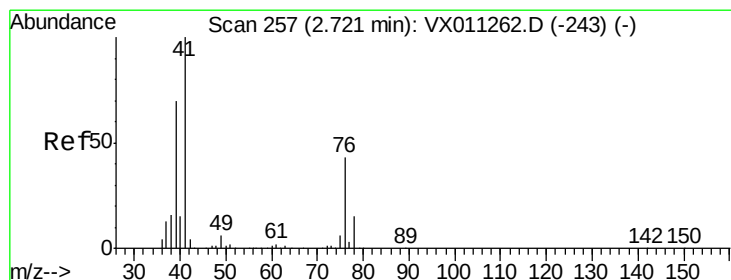
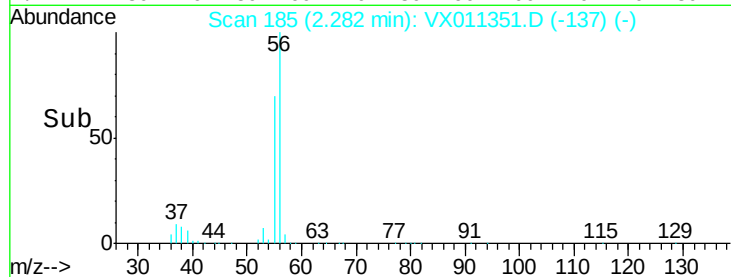
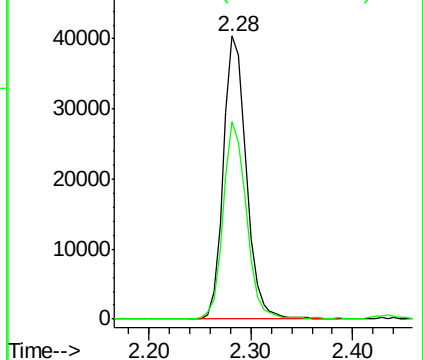
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 55.255 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

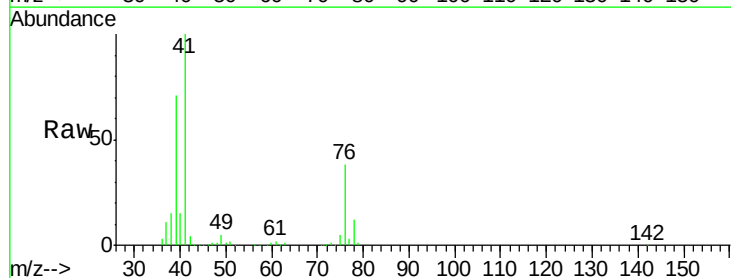
Tgt Ion: 41 Resp: 138966

Ion Ratio Lower Upper

41 100

39 67.4 52.8 79.2

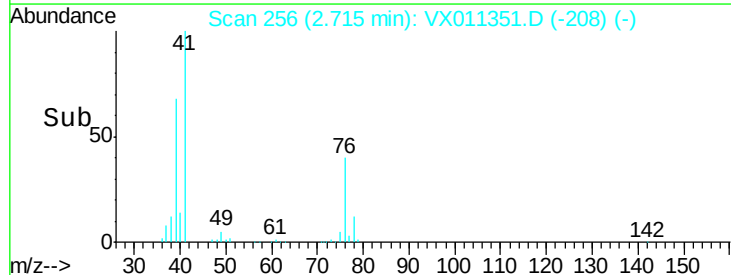
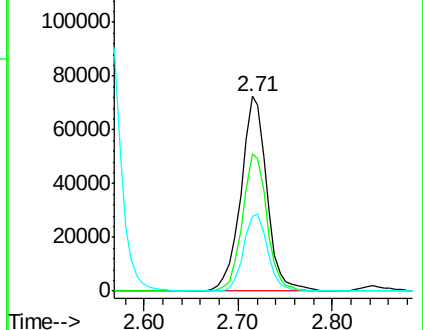
76 36.9 31.1 46.7

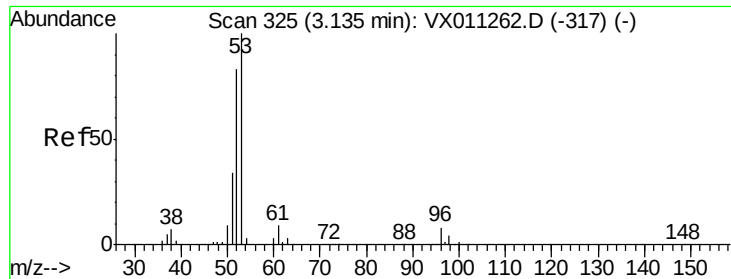


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 245.743 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

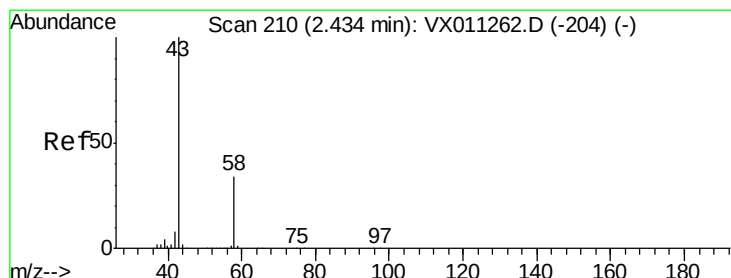
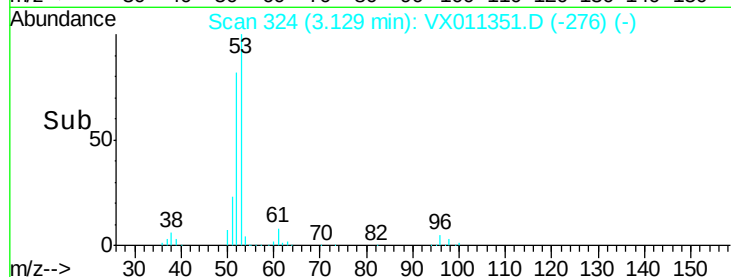
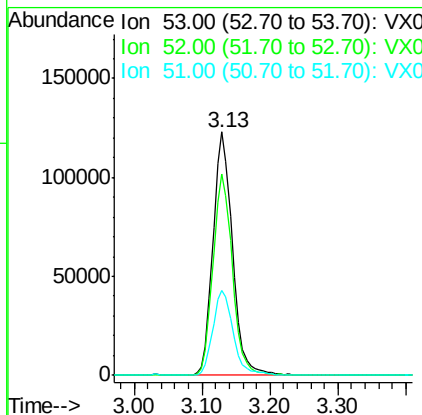
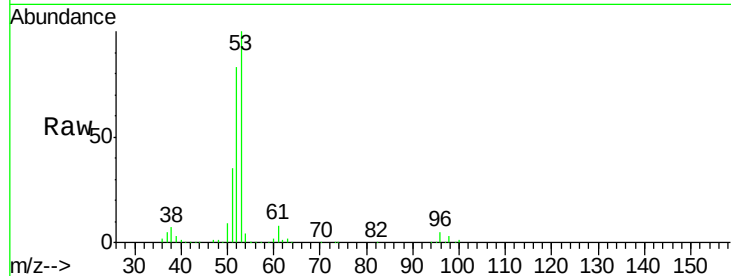
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	244178
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	36.3	27.9	41.9

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#16

Acetone

Concen: 251.525 ug/l

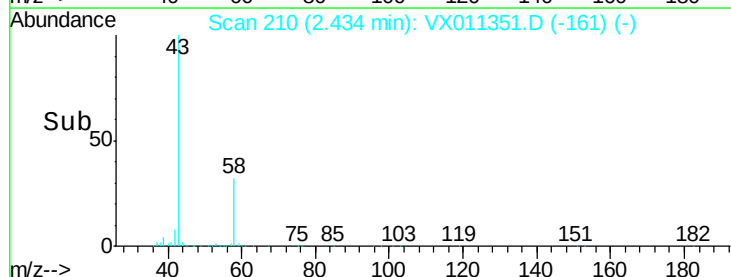
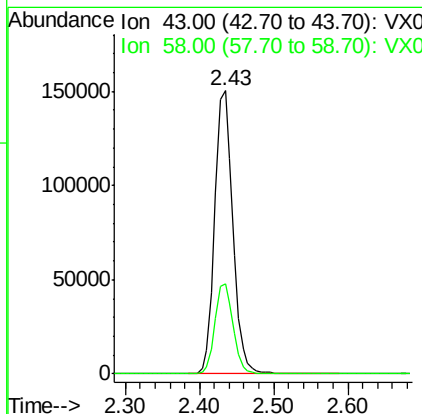
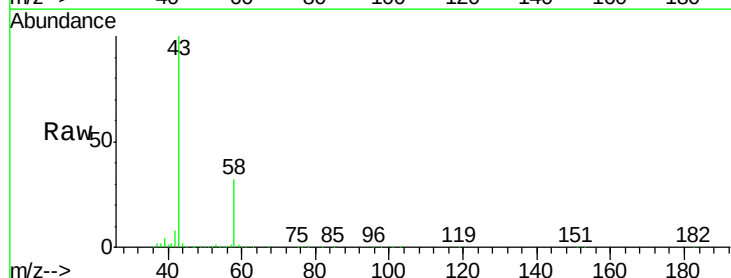
RT: 2.43 min Scan# 210

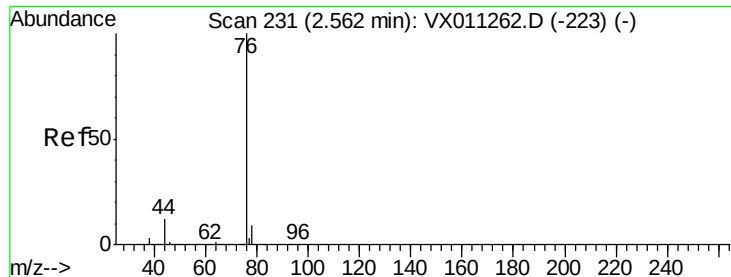
Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Tgt Ion:	43	Resp:	249990
Ion	Ratio	Lower	Upper
43	100		
58	31.9	27.4	41.0





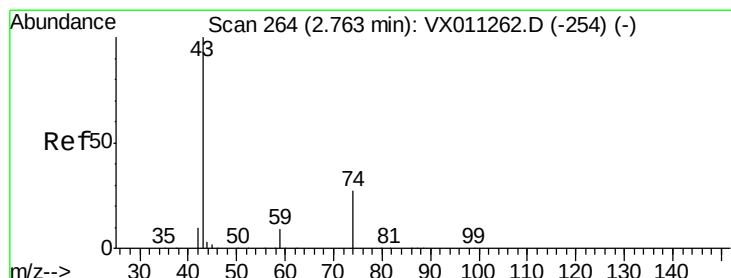
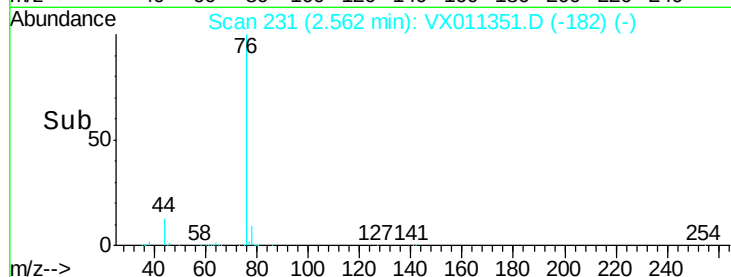
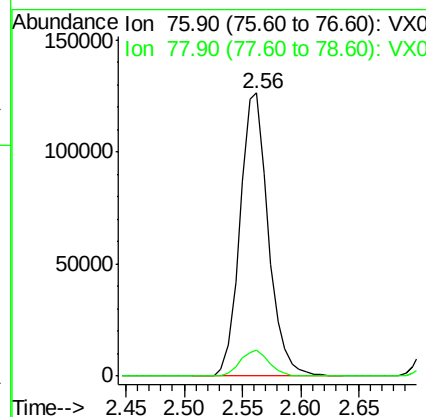
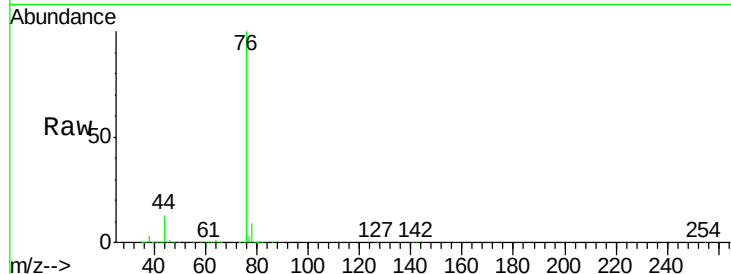
#17
Carbon Disulfide
Concen: 48.444 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

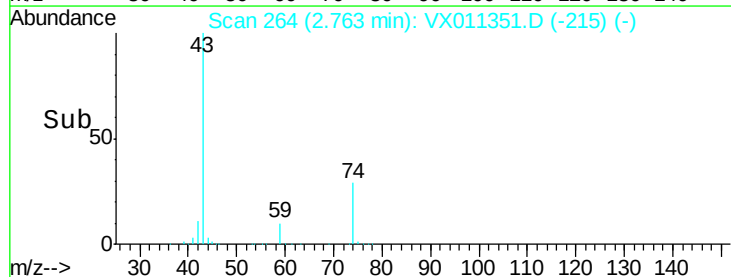
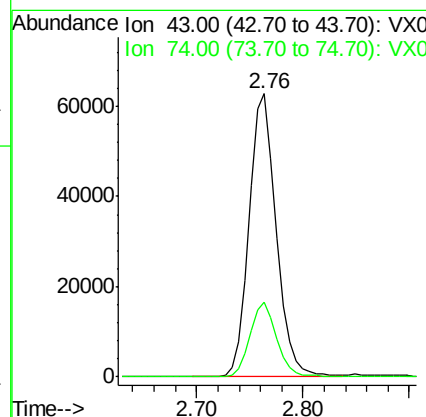
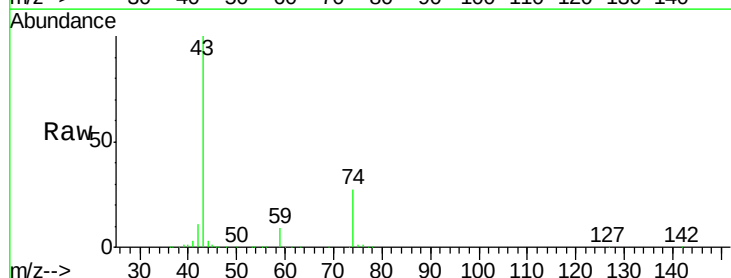
Manual Integrations
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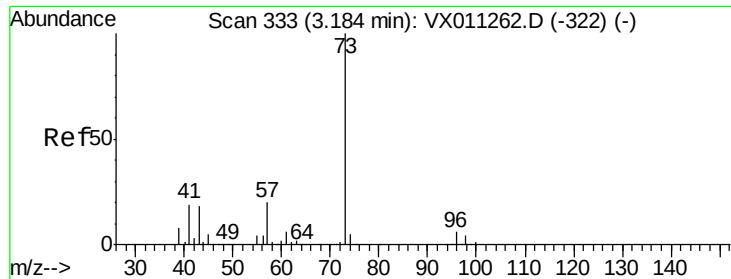
MMDadoda
8/7/2019 11:25:46 AM



#18
Methyl Acetate
Concen: 49.325 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.0	31.6





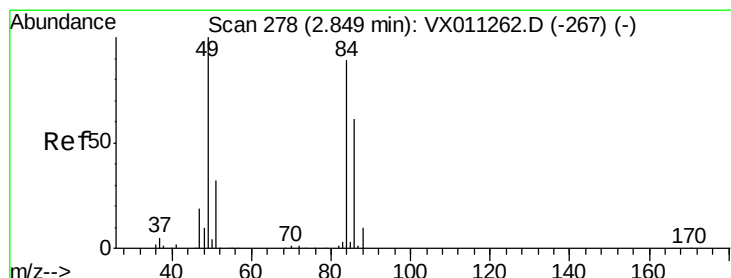
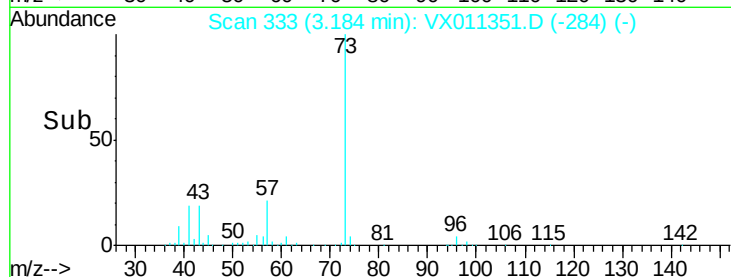
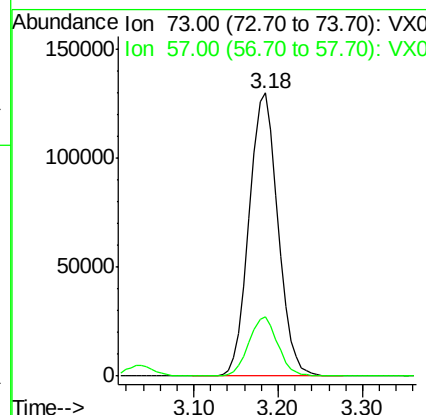
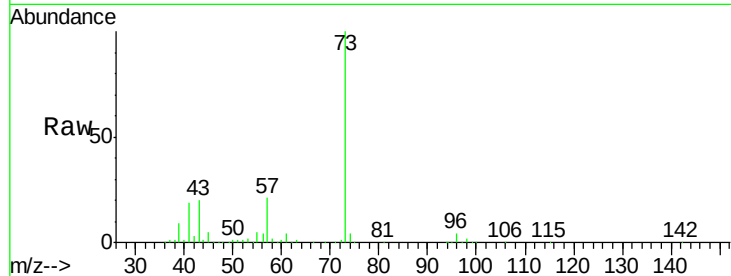
#19
Methyl tert-butyl Ether
Concen: 54.104 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	16.2	24.2

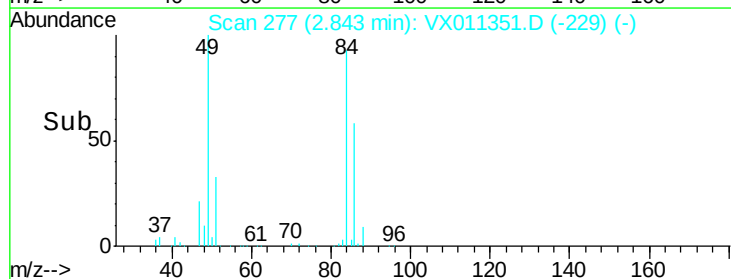
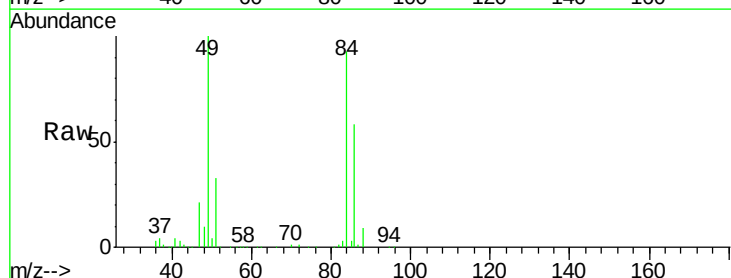
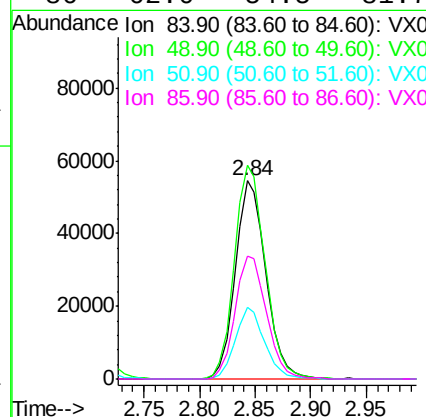
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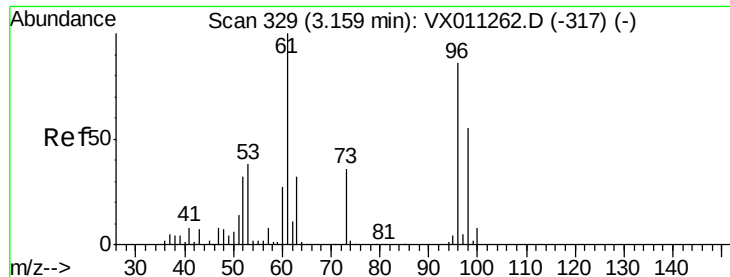
MMDadoda
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#20
Methylene Chloride
Concen: 47.376 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.8	89.3	133.9
51	36.0	28.3	42.5
86	62.0	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 49.543 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

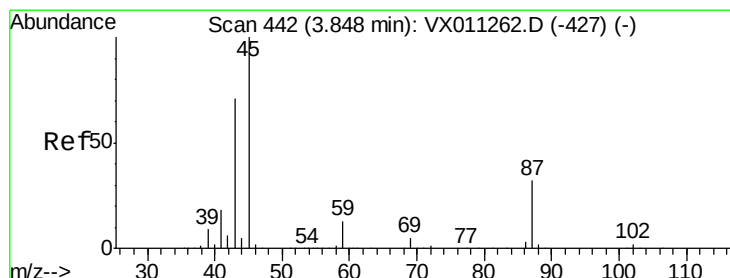
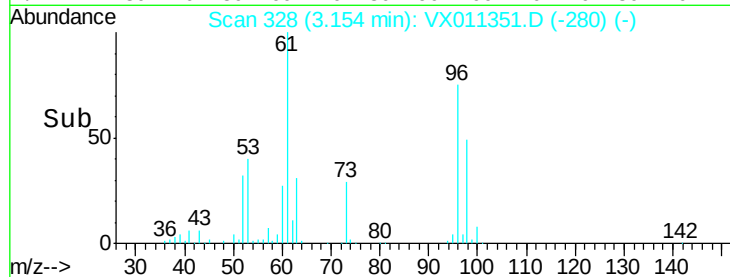
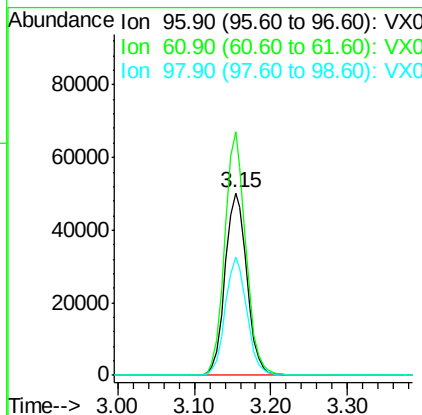
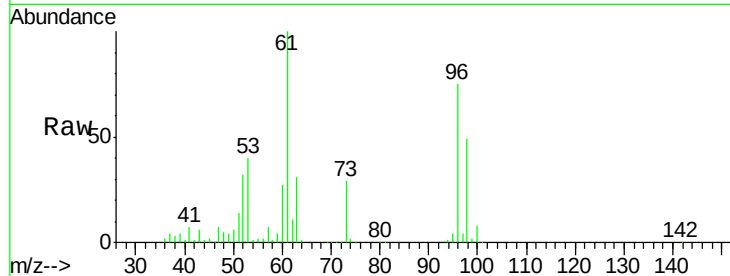
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	98869
Ion	Ratio	Lower	Upper
96	100		
61	133.3	92.8	139.2
98	64.8	51.2	76.8

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#22

Diisopropyl ether

Concen: 51.787 ug/l

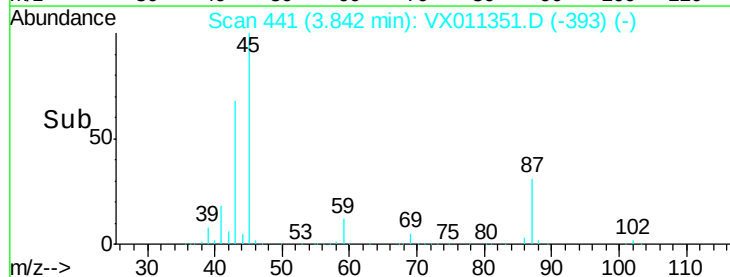
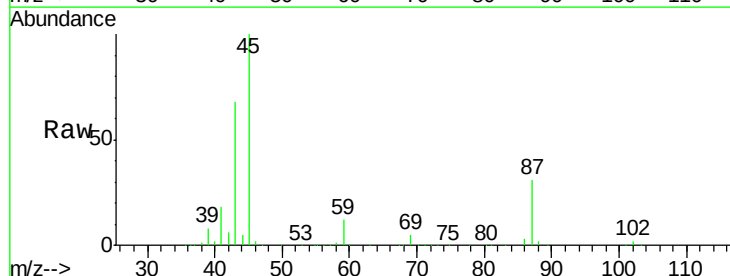
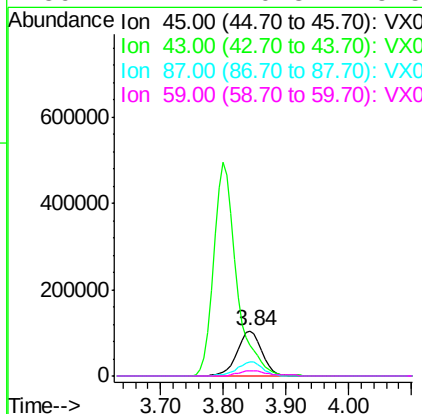
RT: 3.84 min Scan# 441

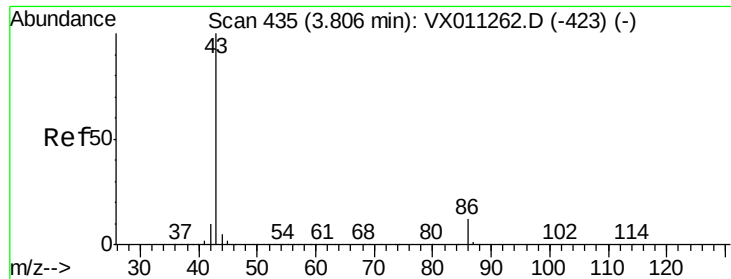
Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Tgt Ion:	45	Resp:	286258
Ion	Ratio	Lower	Upper
45	100		
43	67.7	56.8	85.2
87	31.4	25.8	38.6
59	12.1	10.3	15.5





#23

Vinyl Acetate

Concen: 271.921 ug/l

RT: 3.80 min Scan# 434

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1246646

Ion Ratio Lower Upper

43 100

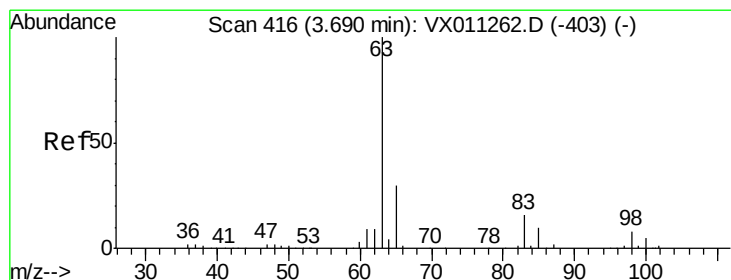
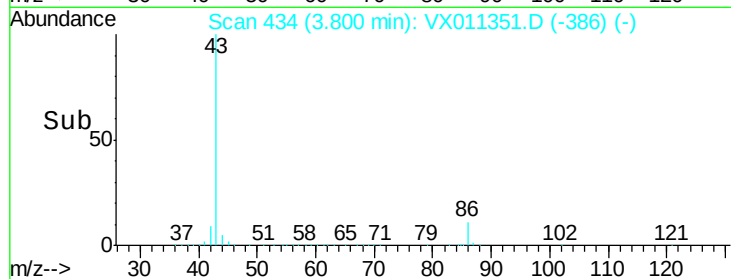
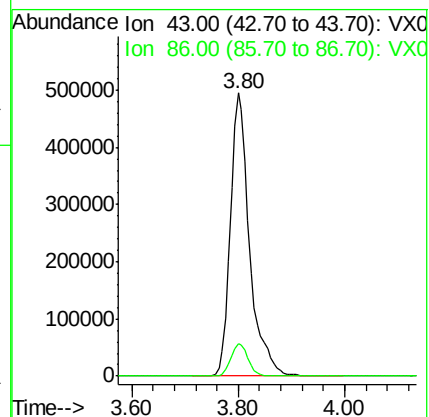
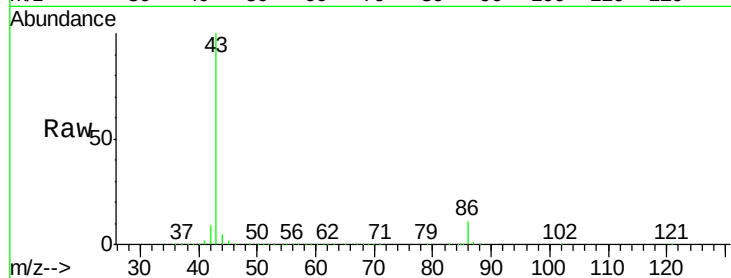
86 11.3 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 50.734 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

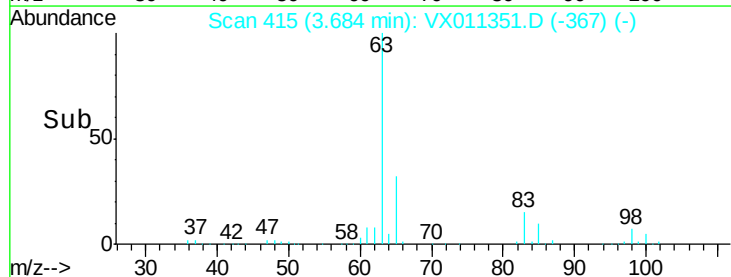
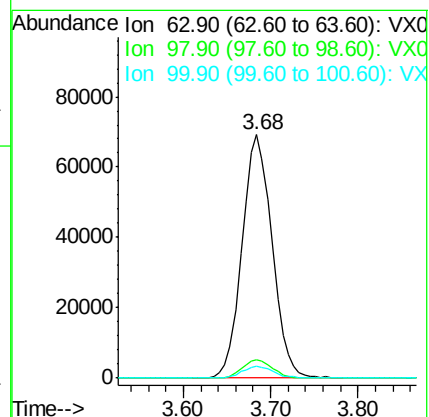
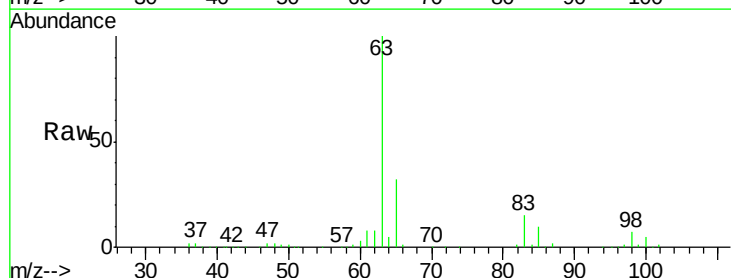
Tgt Ion: 63 Resp: 165360

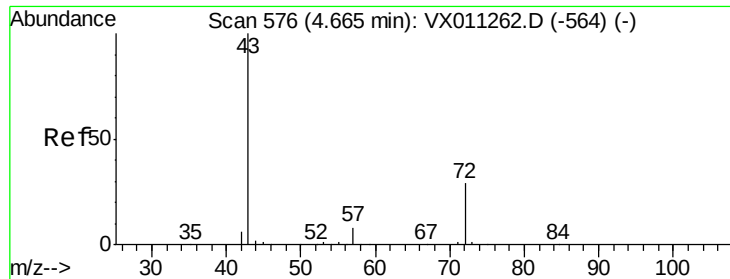
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.7 2.7 8.1





#25

2-Butanone

Concen: 247.003 ug/l

RT: 4.65 min Scan# 574

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 349218

Ion Ratio Lower Upper

43 100

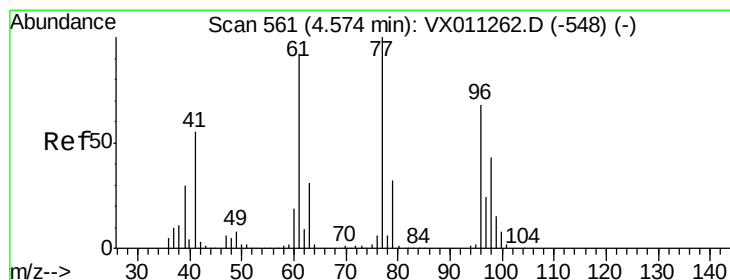
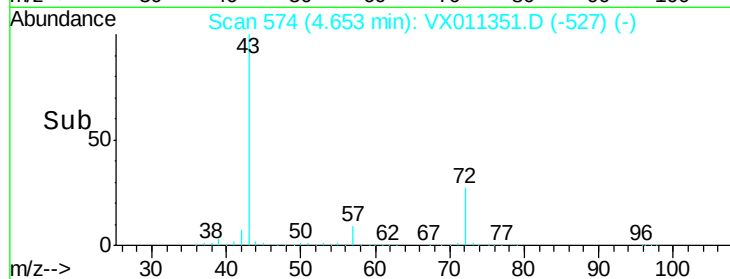
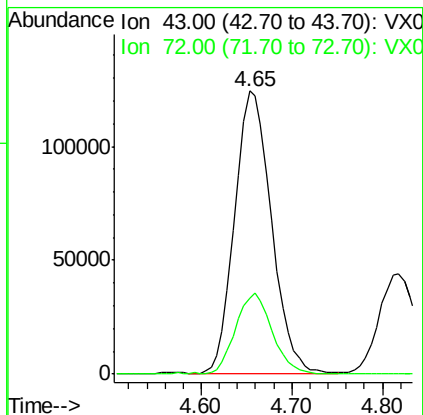
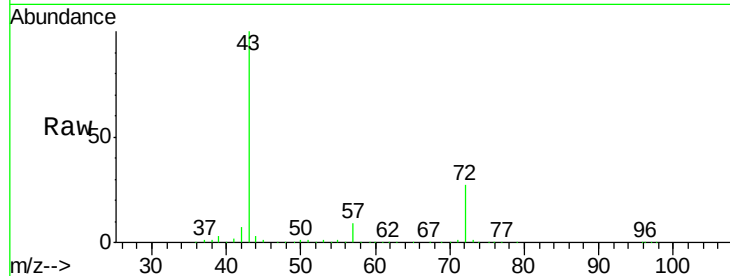
72 27.0 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 57.310 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX011351.D

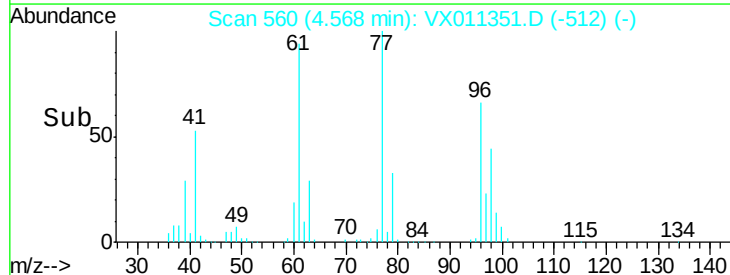
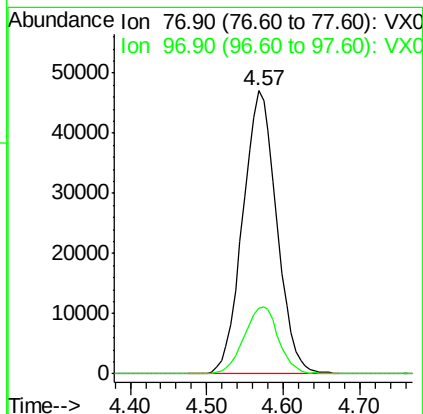
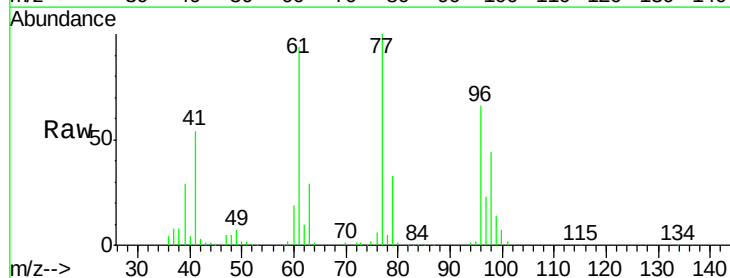
Acq: 06 Aug 2019 16:25

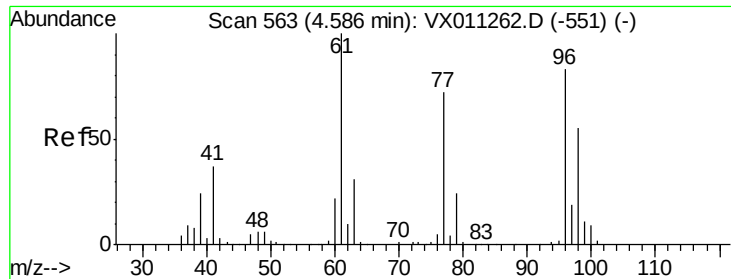
Tgt Ion: 77 Resp: 145207

Ion Ratio Lower Upper

77 100

97 24.3 12.8 38.4





#27

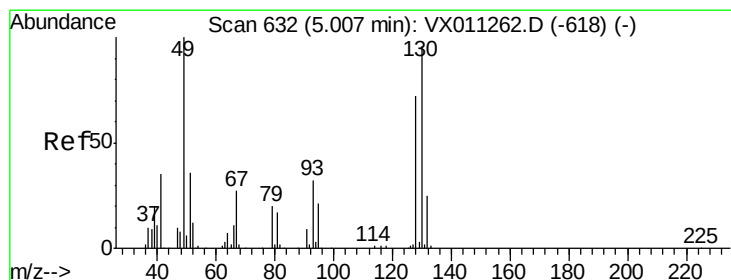
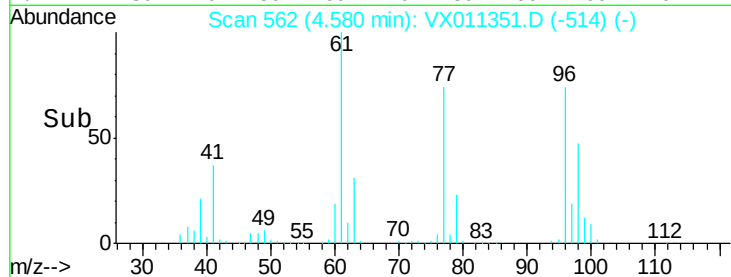
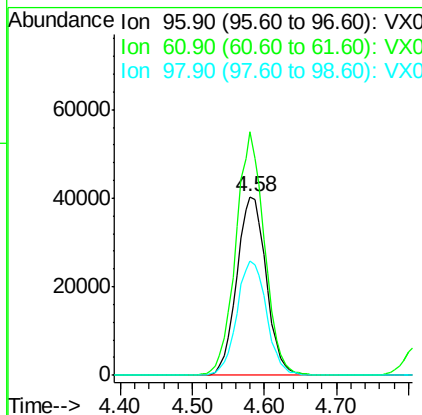
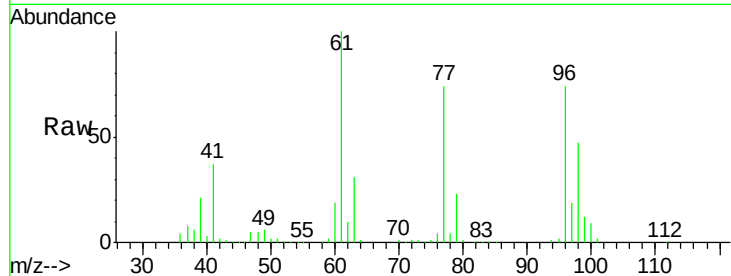
cis-1,2-Dichloroethene
Concen: 49.770 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.7	0.0	260.2	
98	64.3	0.0	133.2	

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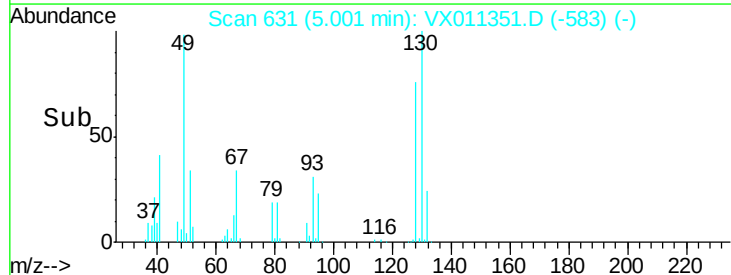
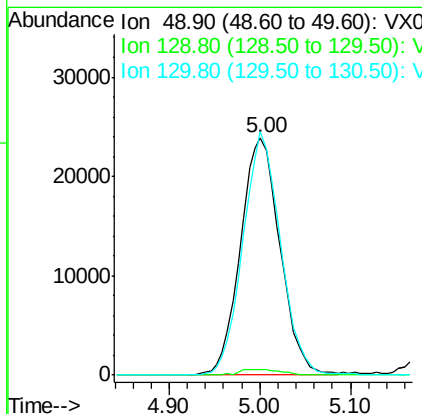
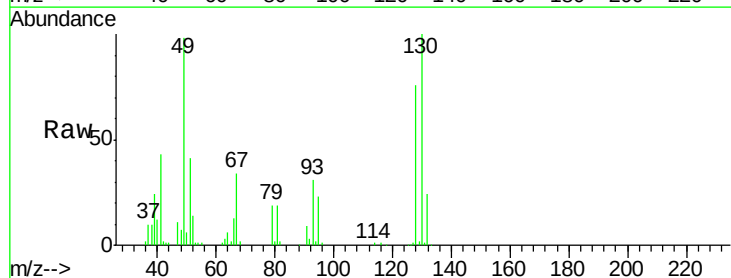
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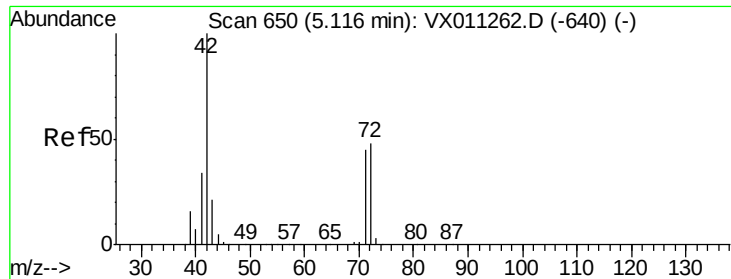


#28

Bromochloromethane
Concen: 48.543 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	5.8	
130	97.3	77.9	116.9	





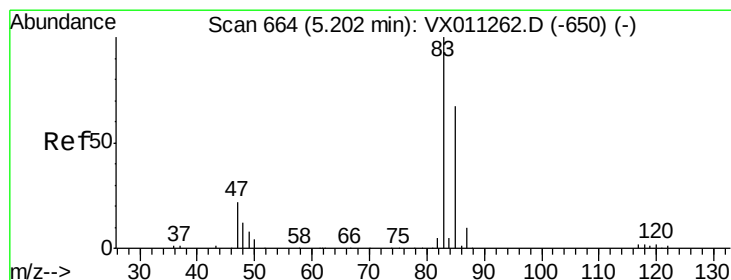
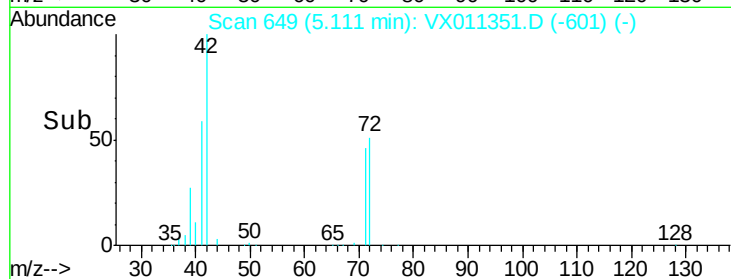
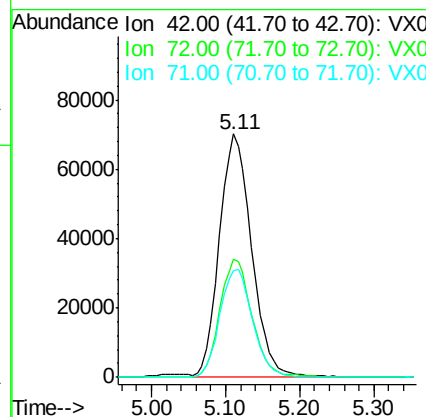
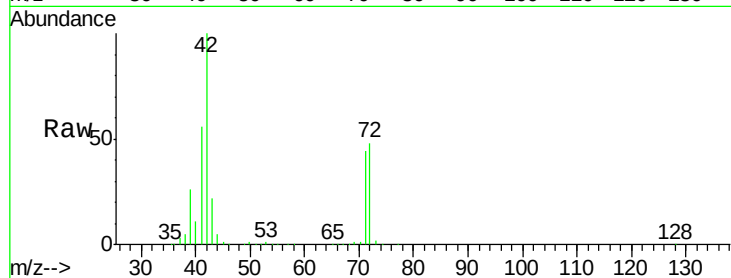
#29
Tetrahydrofuran
Concen: 241.326 ug/l
RT: 5.11 min Scan# 649
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.9	59.9
71	45.5	36.9	55.3

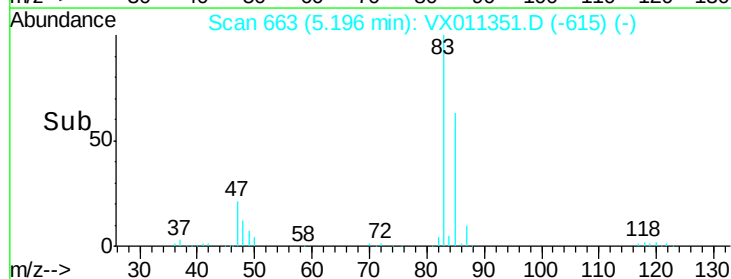
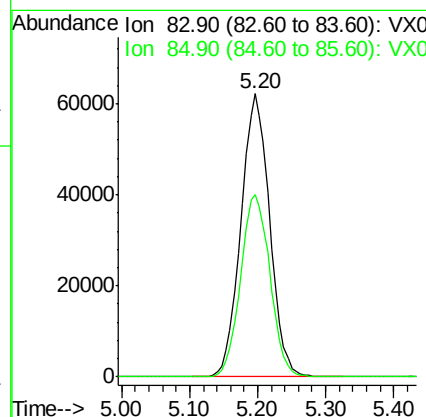
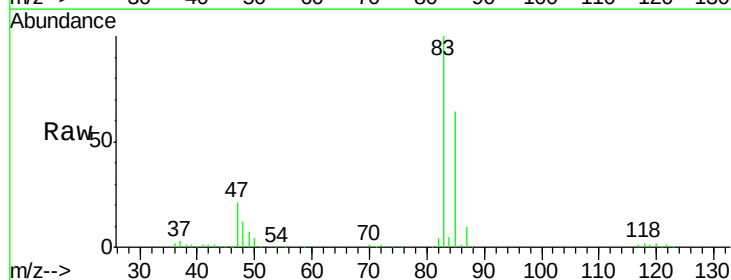
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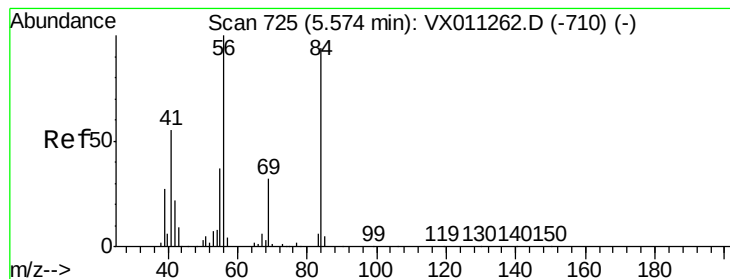
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#30
Chloroform
Concen: 51.399 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.4	80.0





#31

Cyclohexane

Concen: 49.969 ug/l

RT: 5.56 min Scan# 723

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

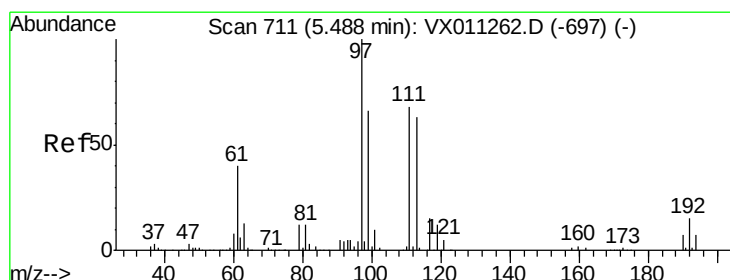
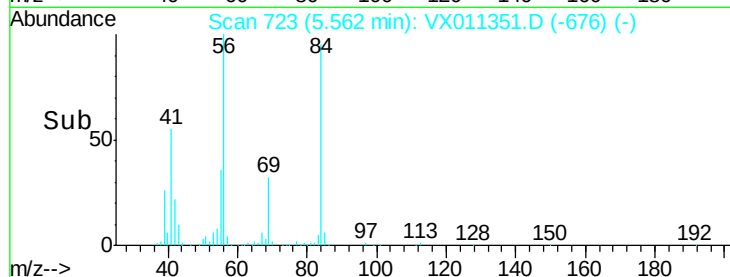
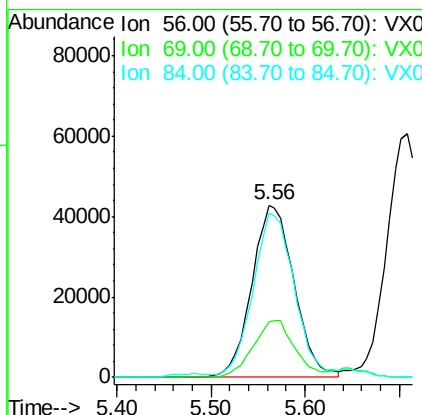
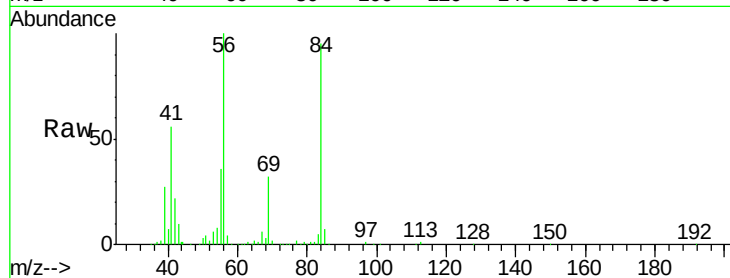
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	134370
Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.5	38.3
84	93.5	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.124 ug/l

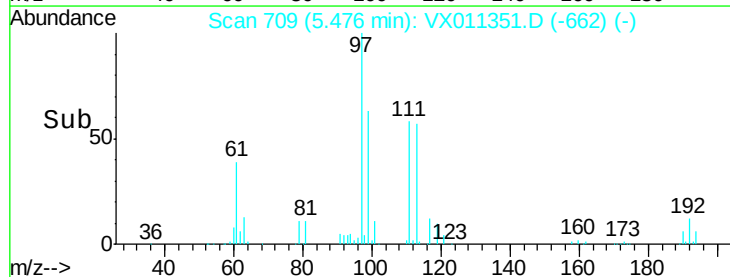
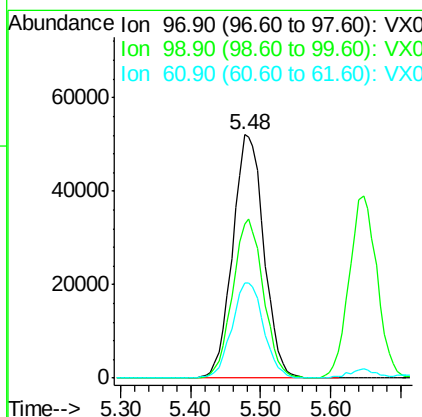
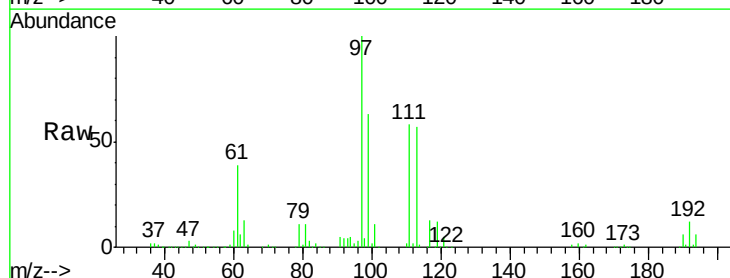
RT: 5.48 min Scan# 709

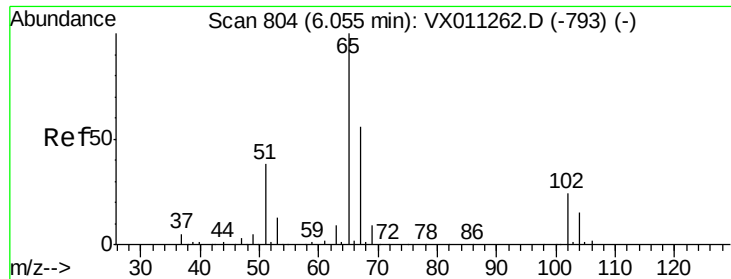
Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Tgt Ion:	97	Resp:	161213
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	39.8	32.3	48.5





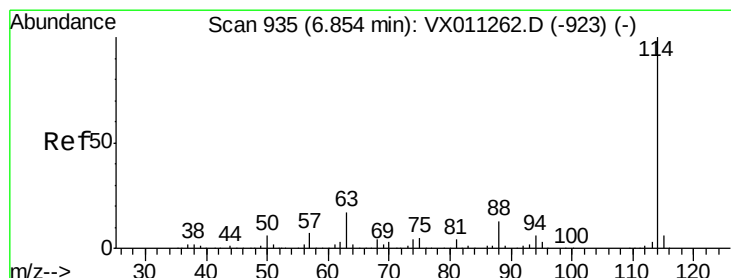
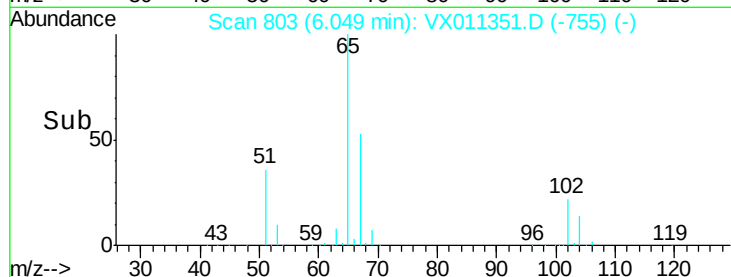
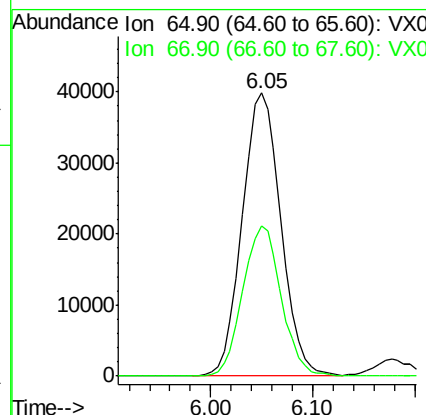
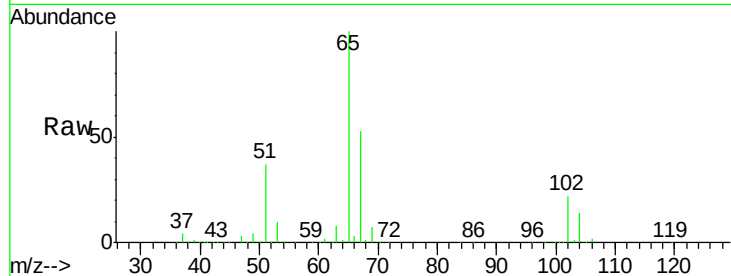
#33
 1,2-Dichloroethane-d4
 Concen: 50.328 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 105090
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 110.6

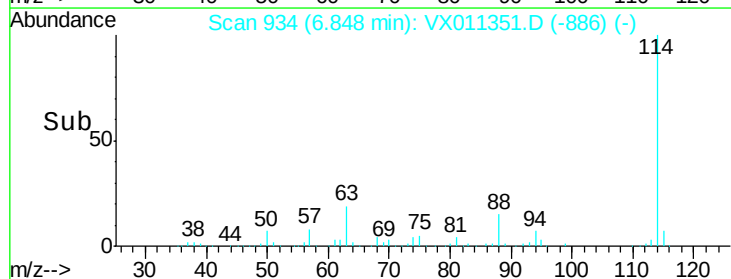
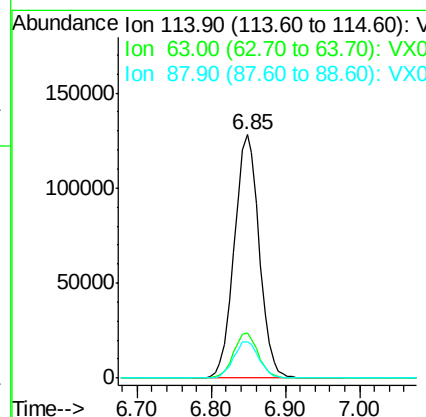
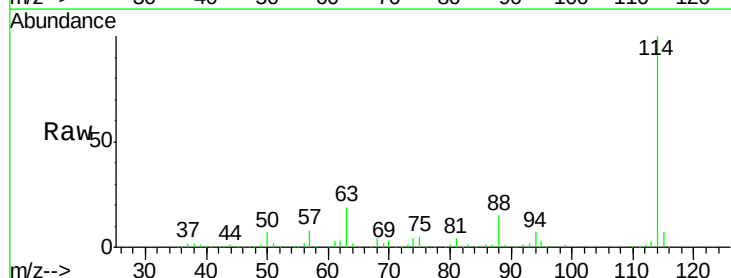
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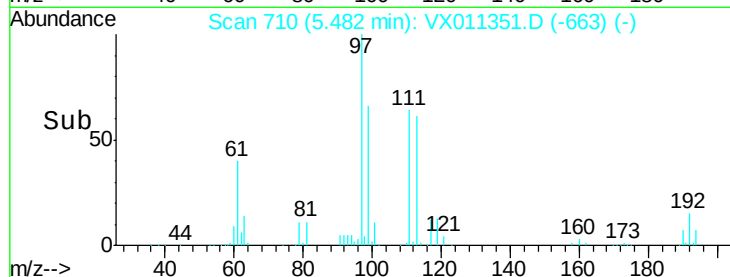
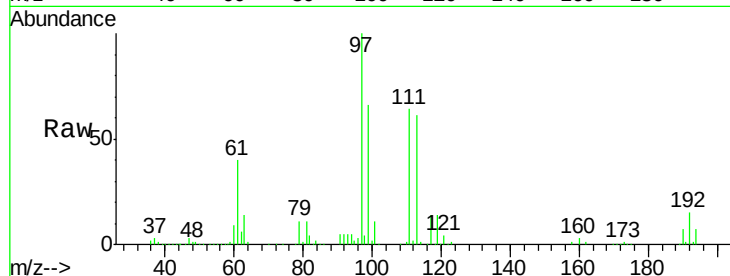
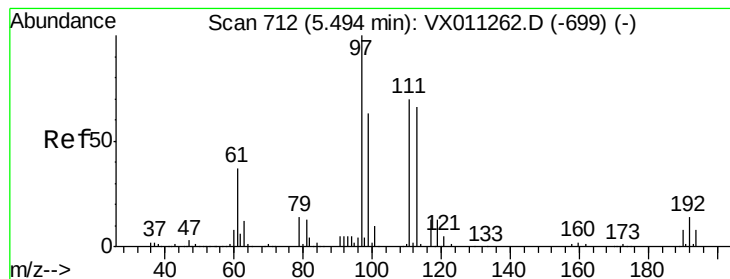
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Tgt Ion: 114 Resp: 300252
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.0
 88 15.0 0.0 26.4





#35

Dibromofluoromethane

Concen: 46.508 ug/l

RT: 5.48 min Scan# 710

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Tot Ion	113	Resp	91168
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	22.7	17.8	26.8

Instrument :

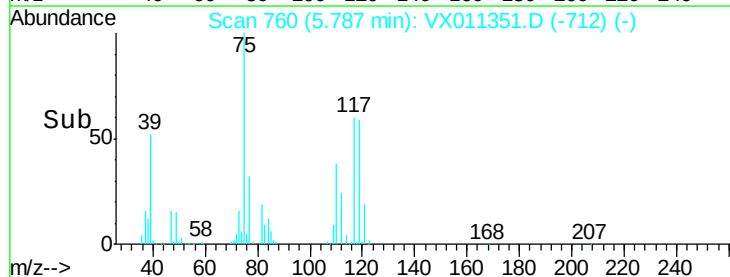
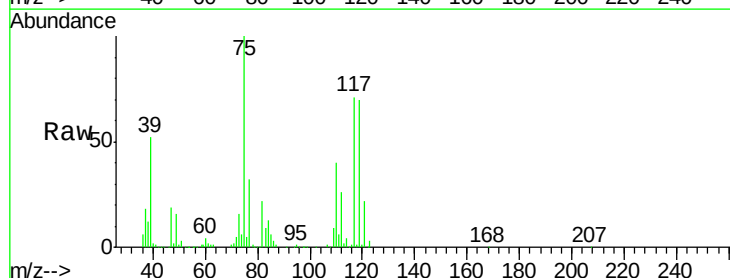
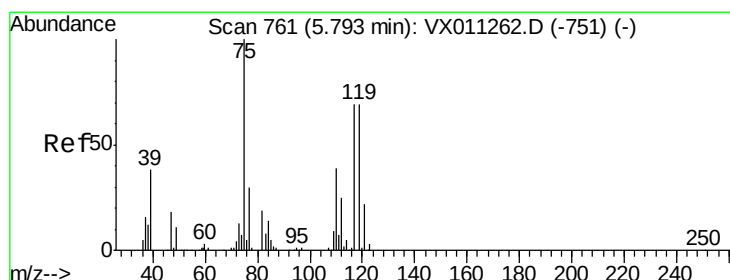
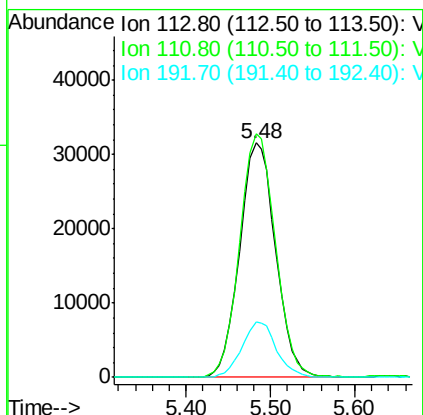
MSVOA_X

ClientSampleId :

VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 50.367 ug/l

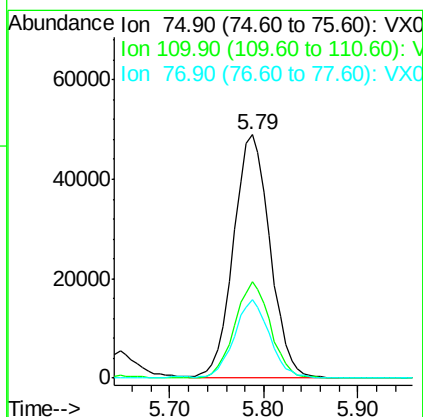
RT: 5.79 min Scan# 760

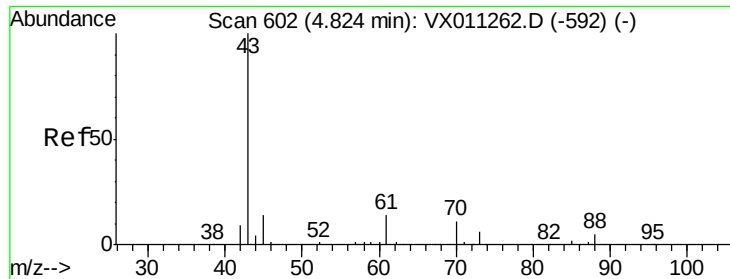
Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Tgt Ion	75	Resp	132037
Ion	Ratio	Lower	Upper
75	100		
110	38.9	20.0	59.9
77	31.0	24.8	37.2





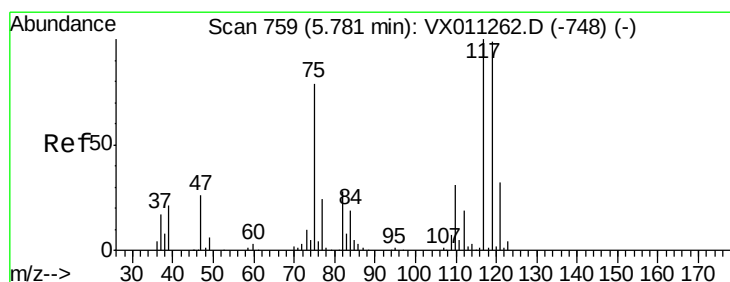
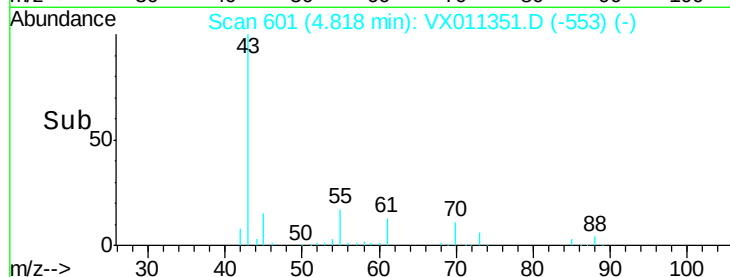
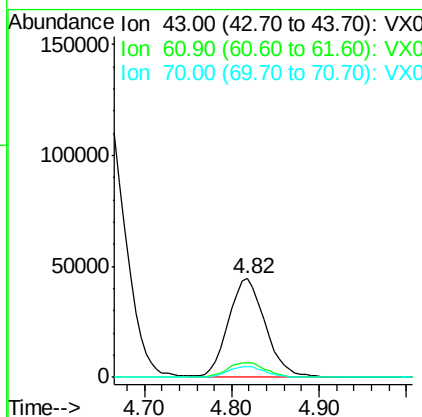
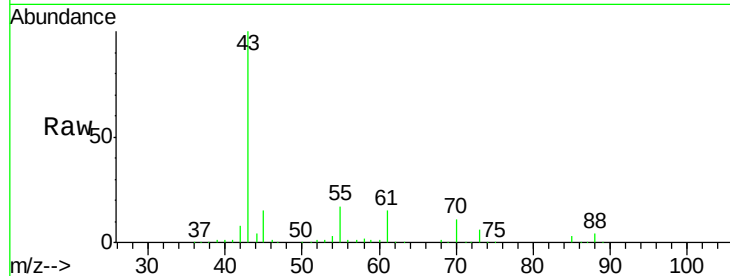
#37
Ethyl Acetate
Concen: 49.043 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.6	18.8
70	11.4	9.1	13.7

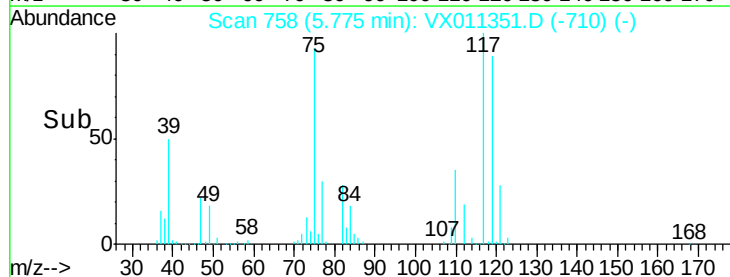
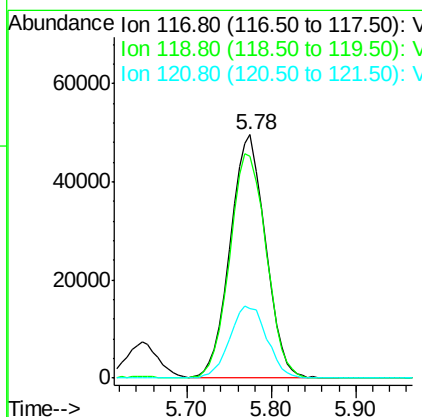
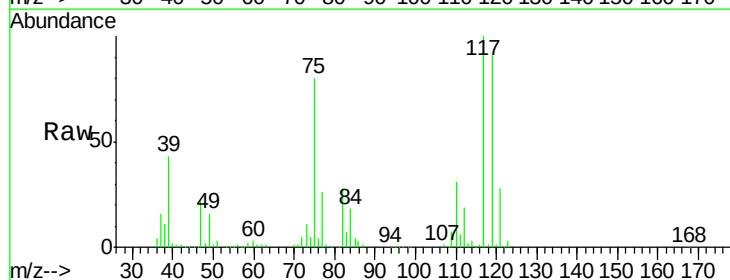
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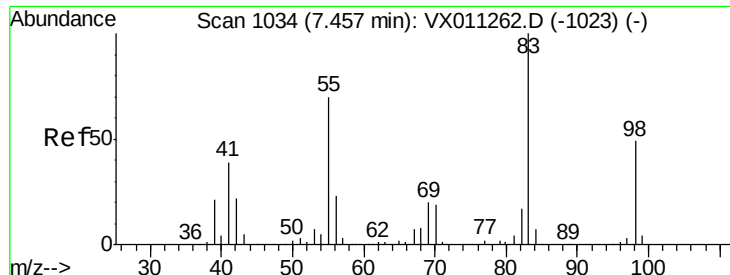
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#38
Carbon Tetrachloride
Concen: 53.548 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	79.0	118.4
121	28.5	25.9	38.9





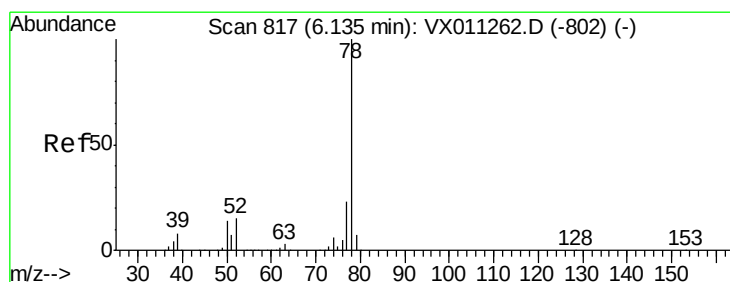
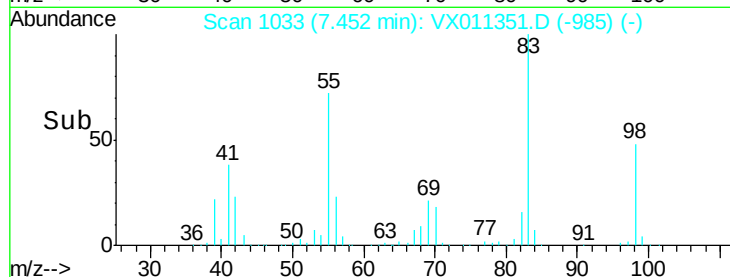
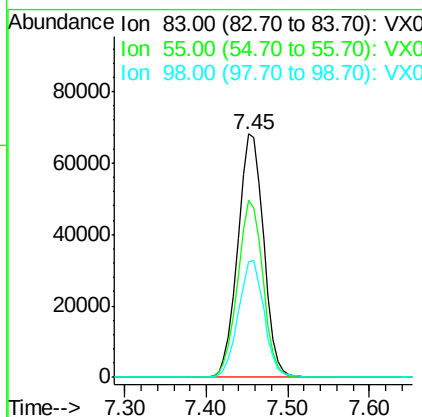
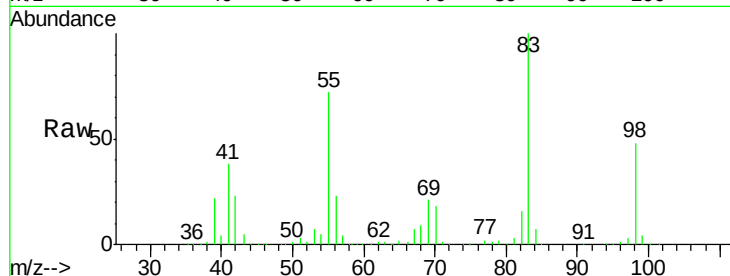
#39
Methylvlcyclohexane
Concen: 47.957 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	56.1	84.1
98	47.7	39.0	58.4

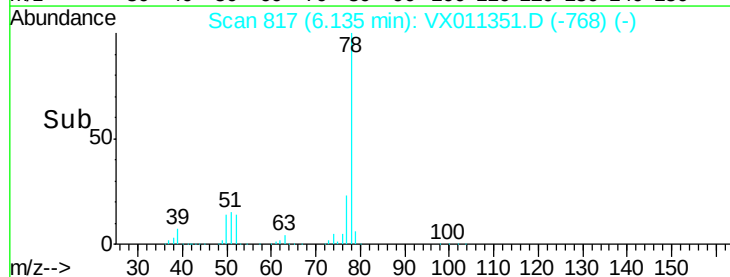
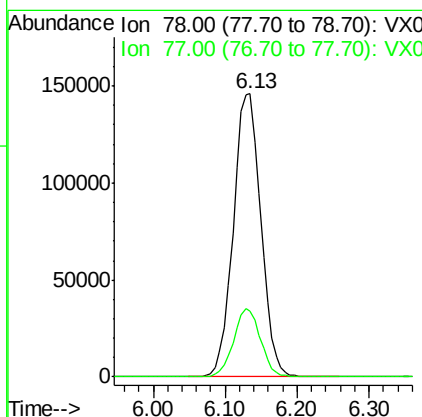
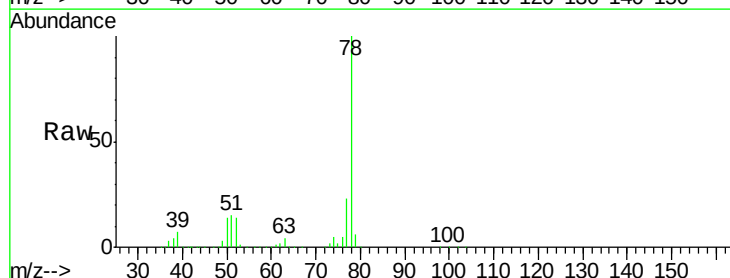
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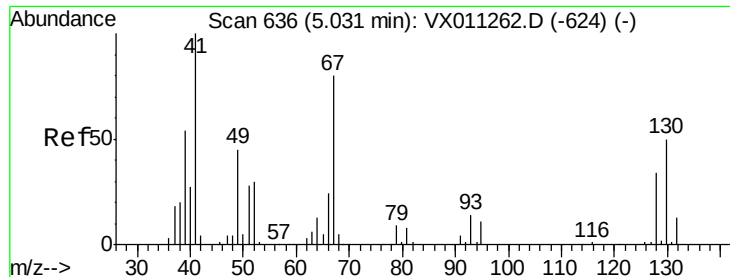
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#40
Benzene
Concen: 49.632 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.2





#41

Methacrylonitrile

Concen: 49.688 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 71356

Ion Ratio Lower Upper

41 100

39 55.2 43.0 64.6

67 78.5 65.1 97.7

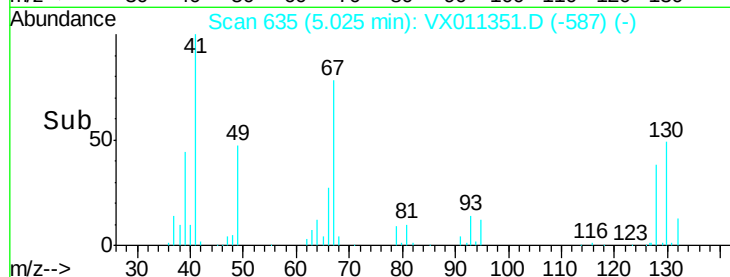
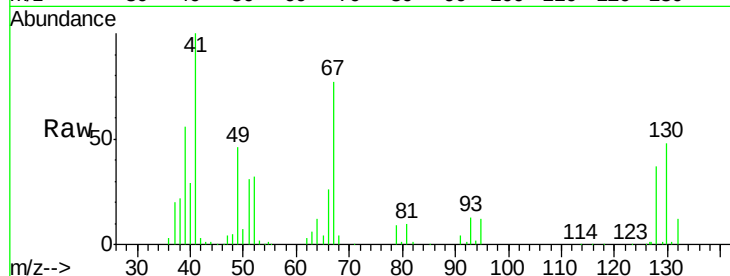
52 30.8 24.8 37.2

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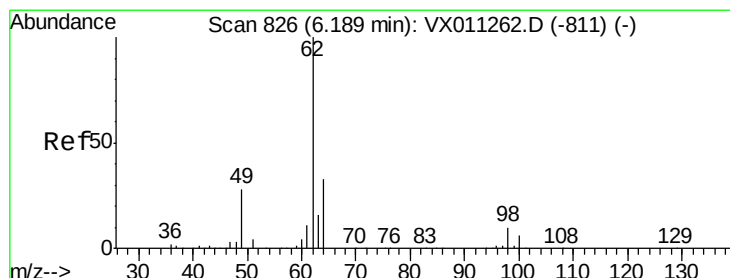
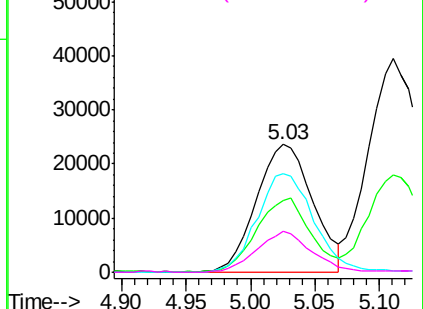


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 53.661 ug/l

RT: 6.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX011351.D

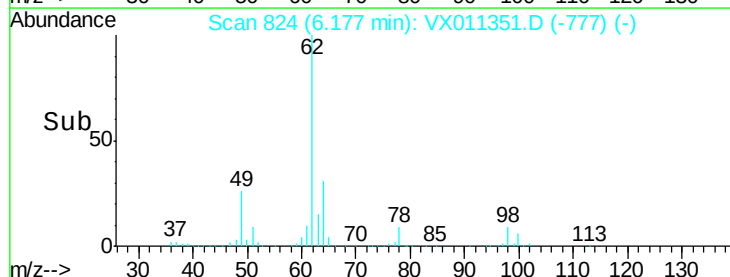
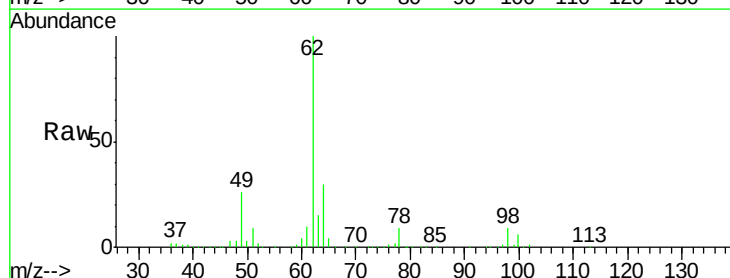
Acq: 06 Aug 2019 16:25

Tgt Ion: 62 Resp: 141945

Ion Ratio Lower Upper

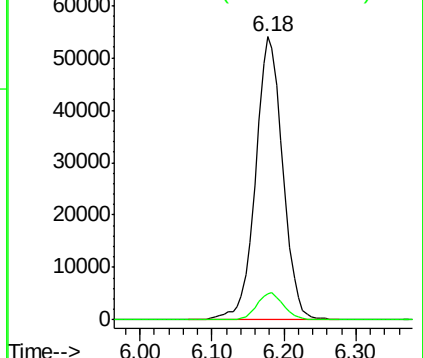
62 100

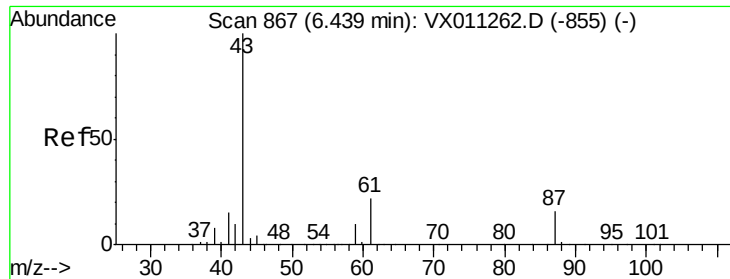
98 9.5 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





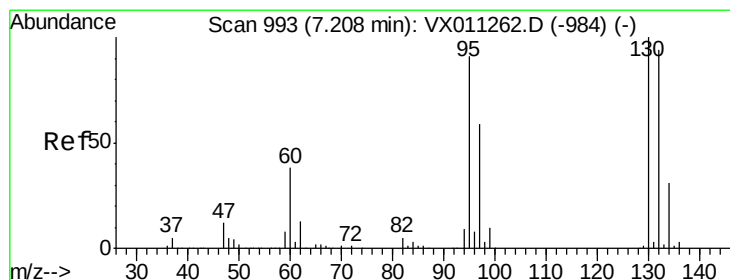
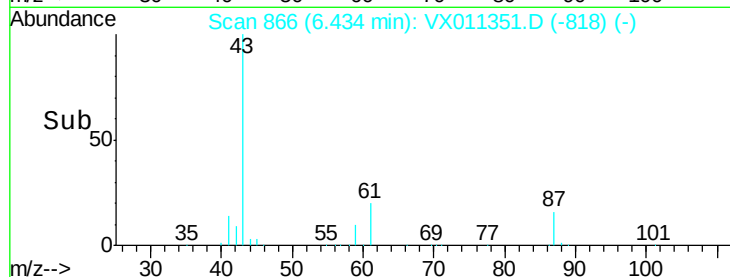
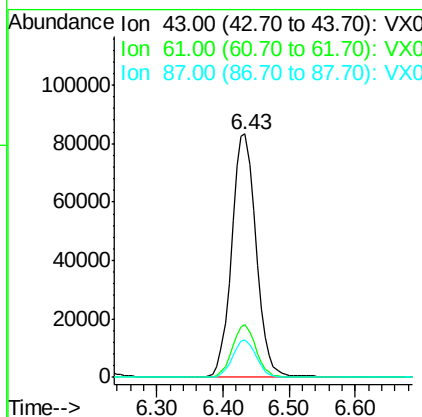
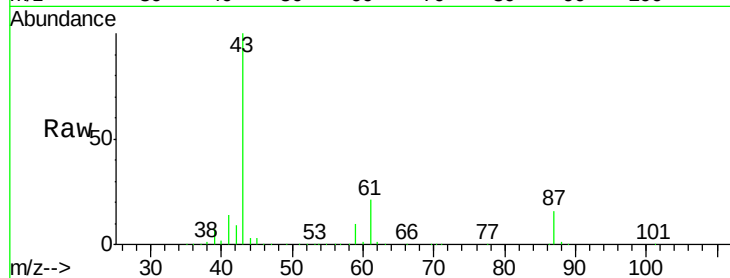
#43
Isopropyl Acetate
Concen: 50.290 ug/l
RT: 6.43 min Scan# 866
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.5	24.7
87	15.1	12.1	18.1

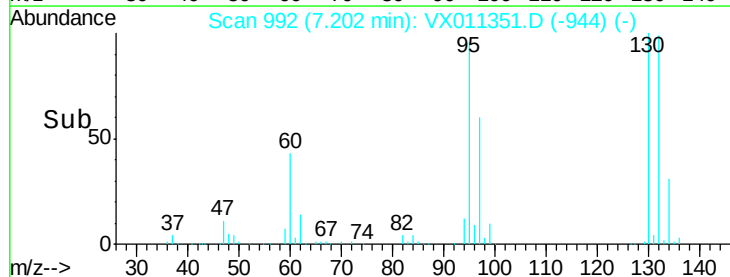
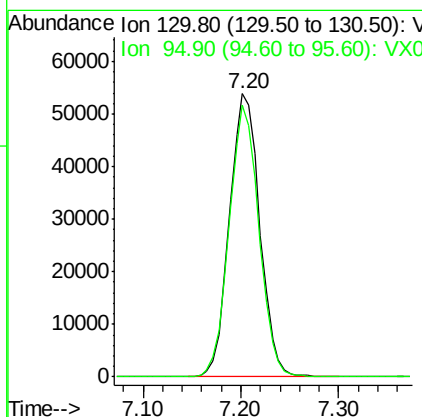
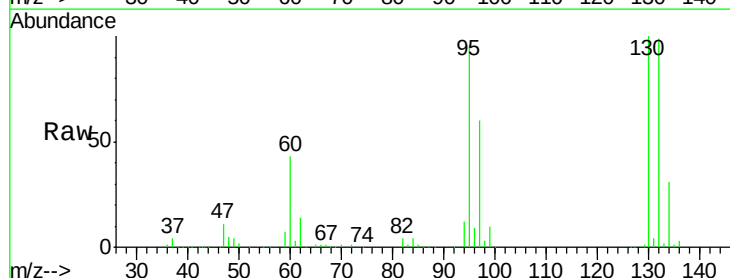
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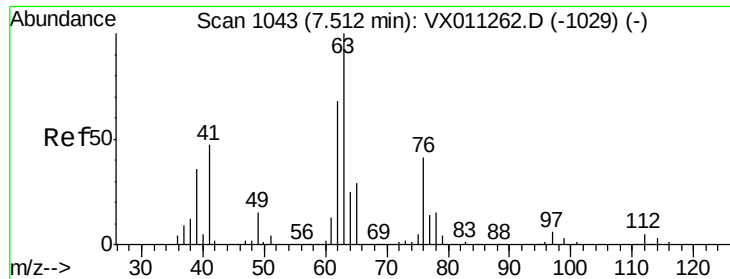
MMDadoda
8/7/2019 11:25:46 AM



#44
Trichloroethene
Concen: 48.865 ug/l
RT: 7.20 min Scan# 992
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	182.6





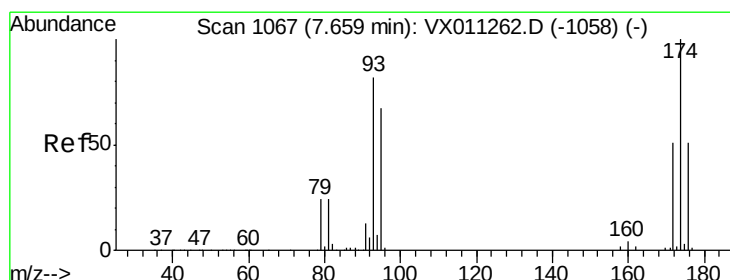
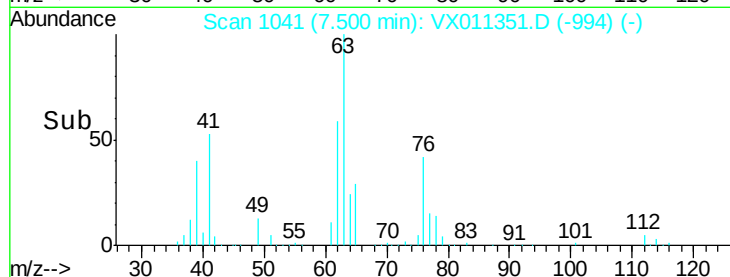
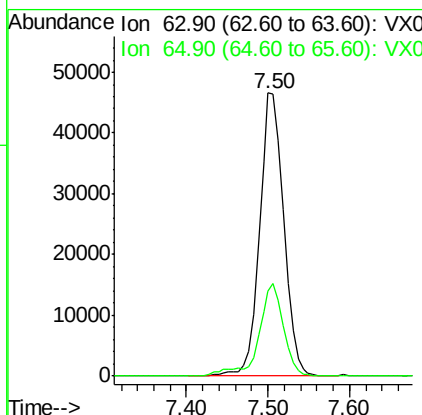
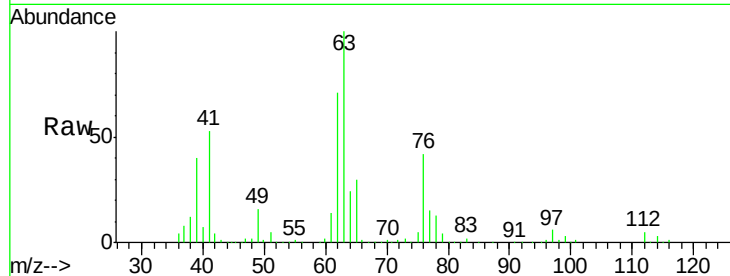
#45
 1,2-Dichloropropane
 Concen: 47.855 ug/l
 RT: 7.50 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.3	34.9

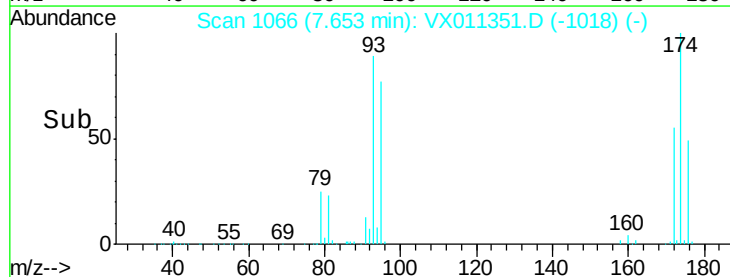
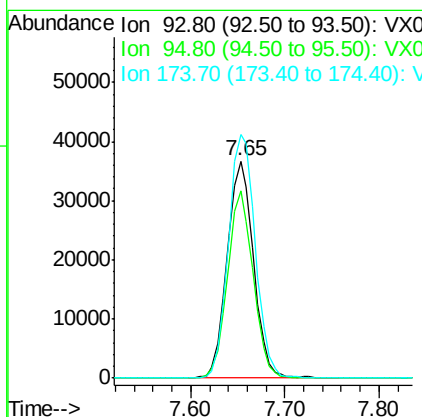
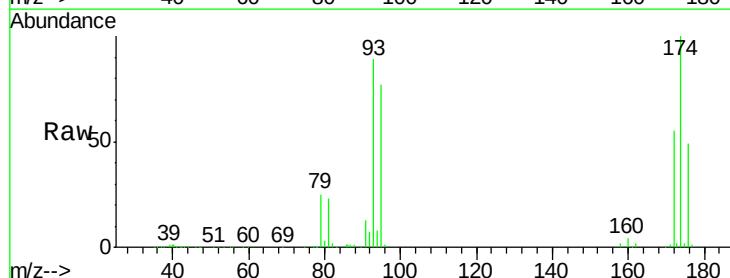
Manual Integrations
 APPROVED

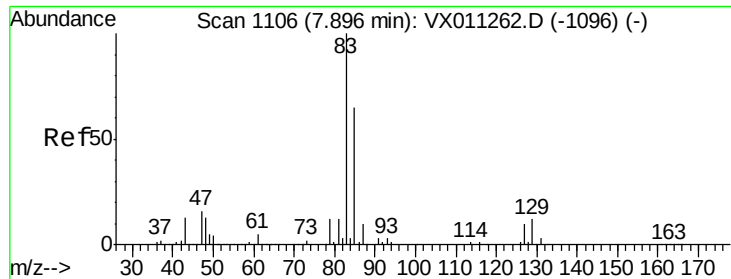
MMDadoda
 8/7/2019 11:25:46 AM



#46
 Dibromomethane
 Concen: 48.190 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.4	99.6
174	114.5	93.4	140.2





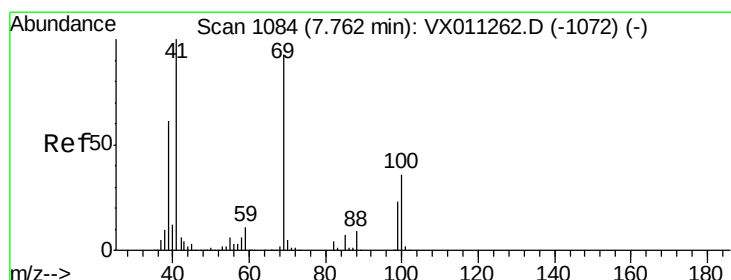
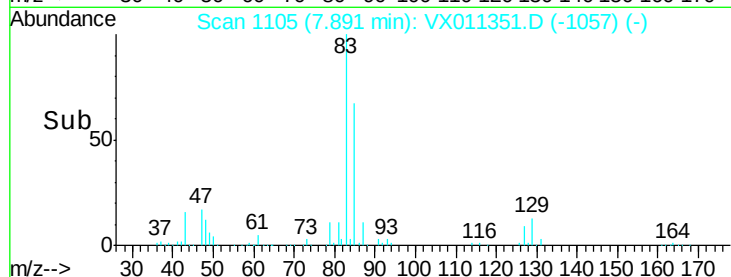
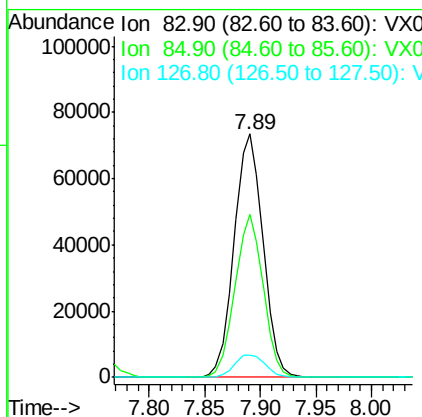
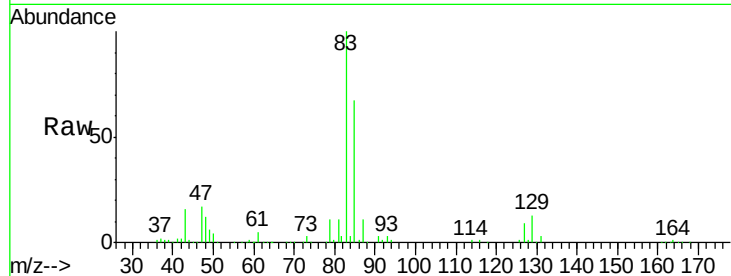
#47
Bromodichloromethane
Concen: 52.670 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.2	78.2
127	9.3	7.8	11.8

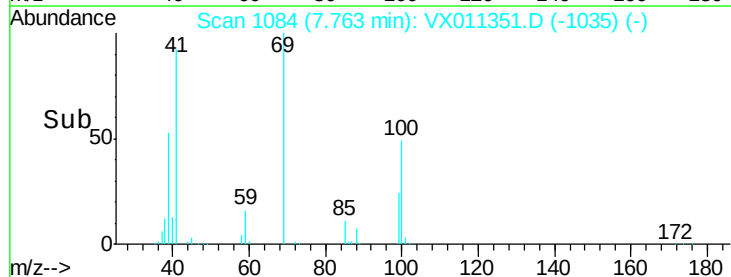
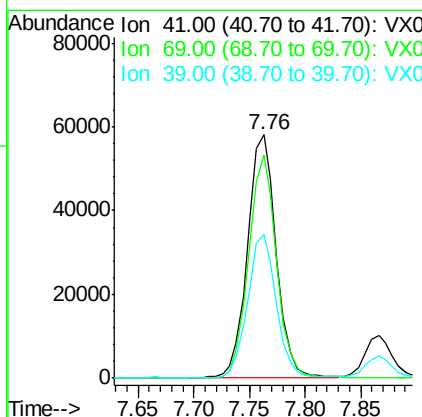
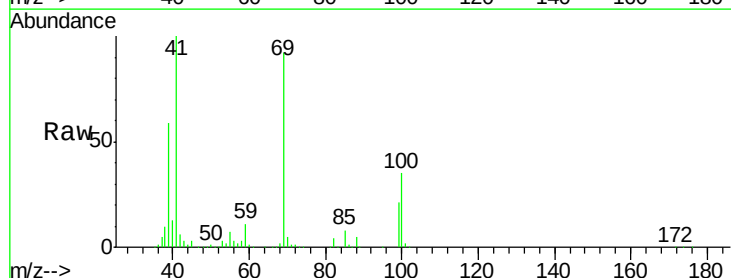
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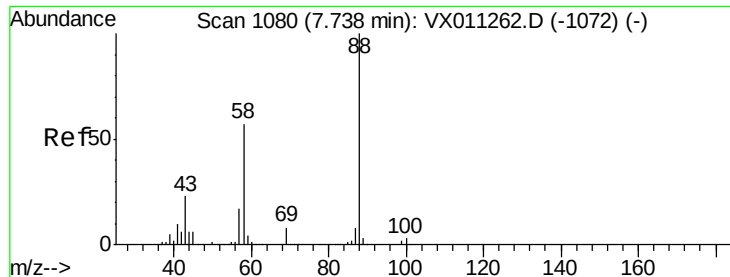
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#48
Methyl methacrylate
Concen: 52.353 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.3	74.5	111.7
39	58.7	48.6	72.8





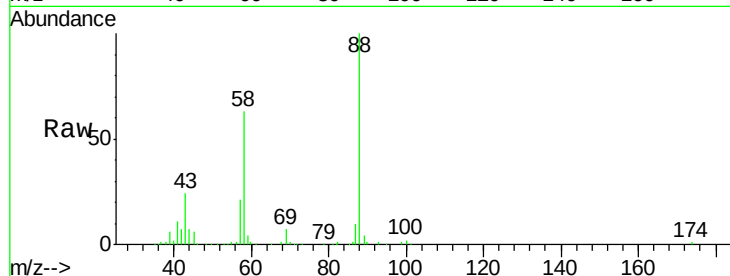
#49
1,4-Dioxane
Concen: 925.613 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

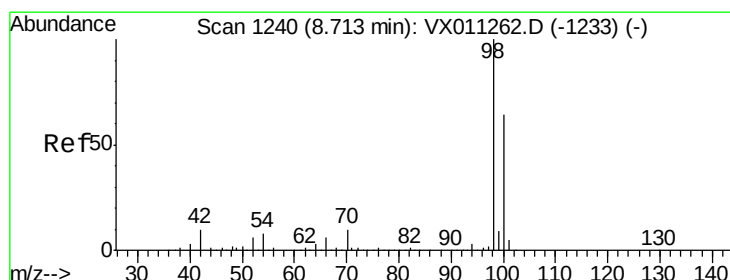
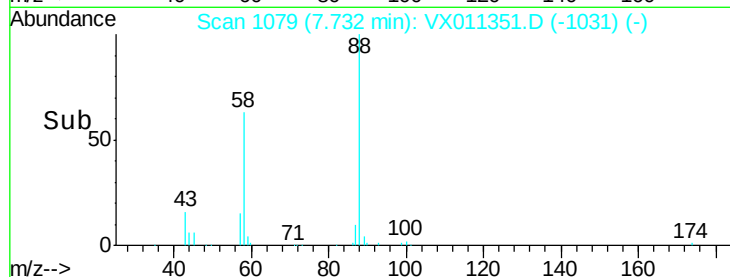
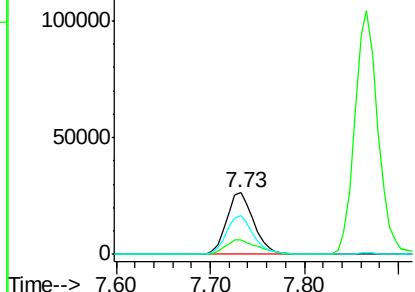
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.2	33.2
58	63.6	47.8	71.8

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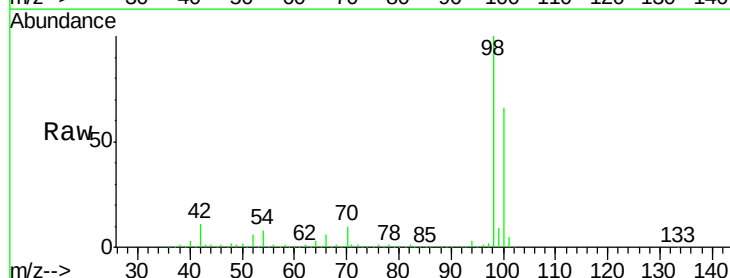


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

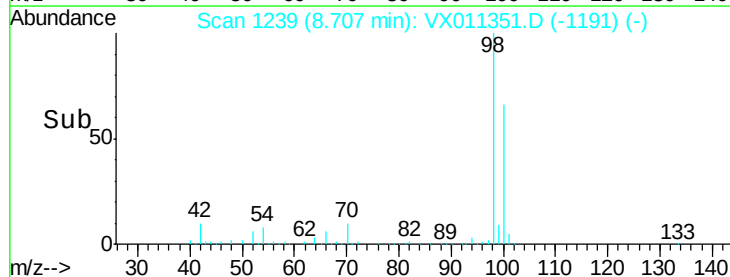
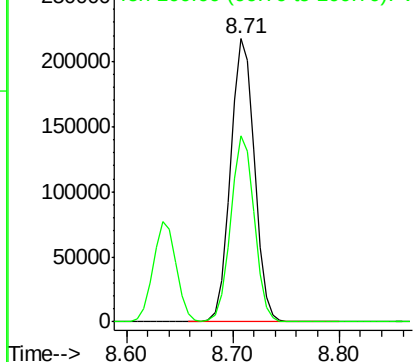


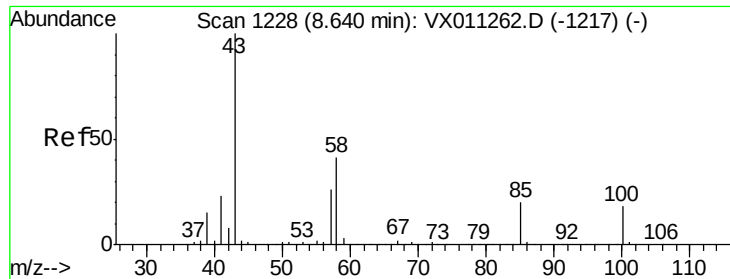
#50
Toluene-d8
Concen: 46.352 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 248.852 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 675166

Ion Ratio Lower Upper

43 100

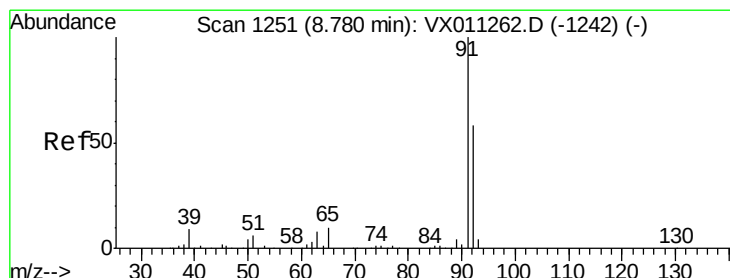
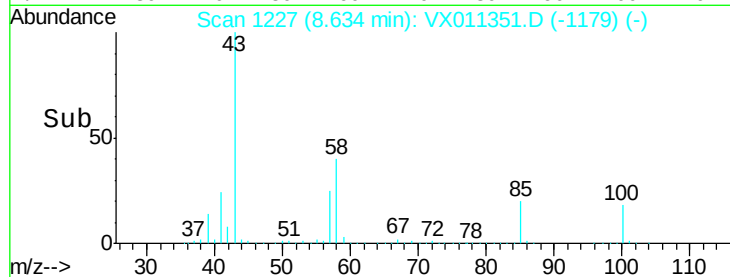
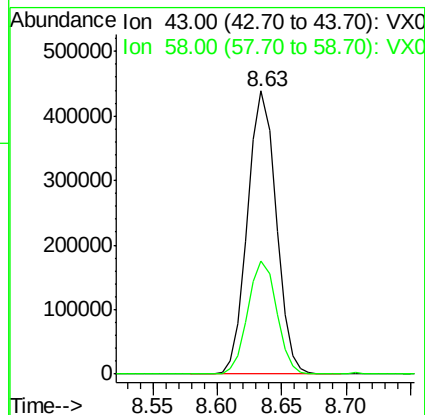
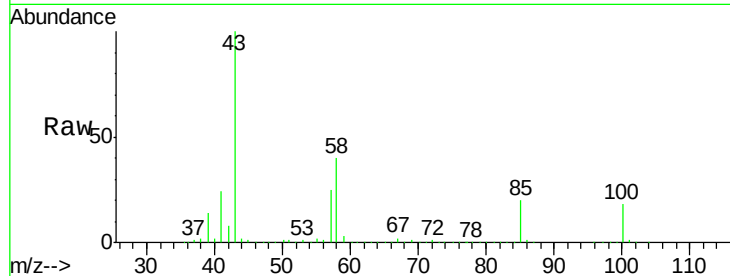
58 40.1 32.3 48.5

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#52

Toluene

Concen: 49.440 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011351.D

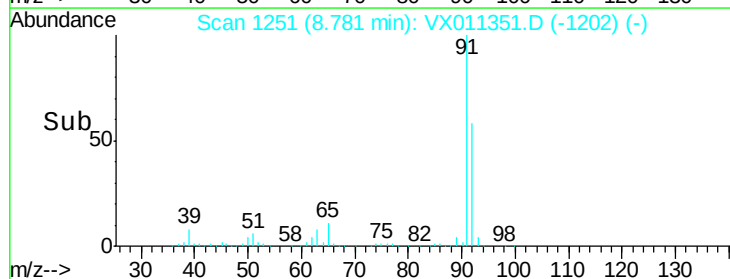
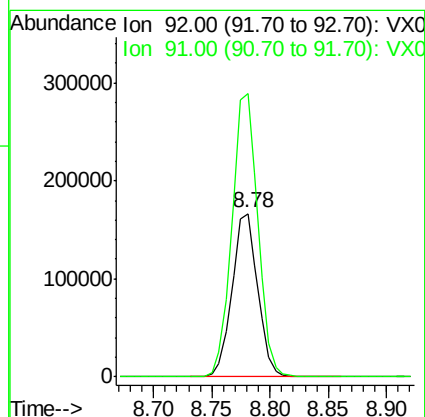
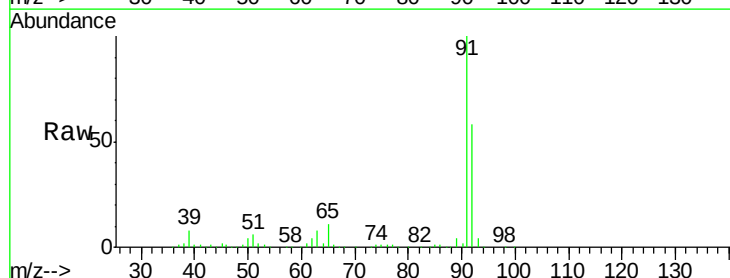
Acq: 06 Aug 2019 16:25

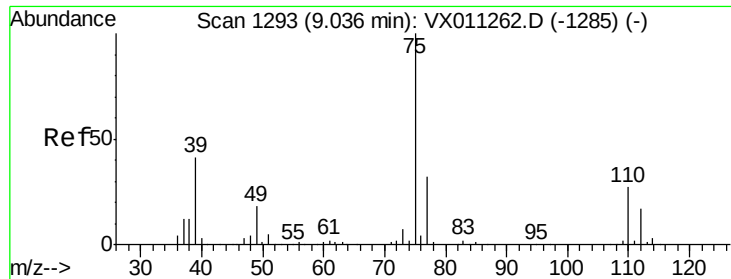
Tgt Ion: 92 Resp: 255711

Ion Ratio Lower Upper

92 100

91 175.4 139.4 209.0





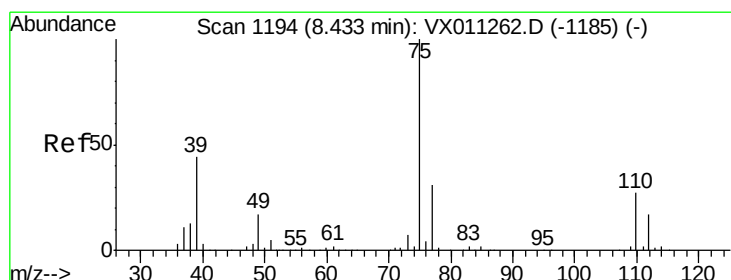
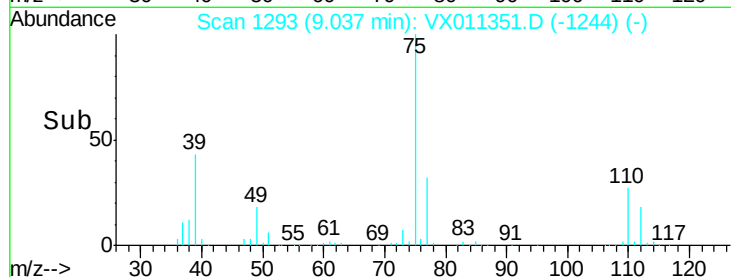
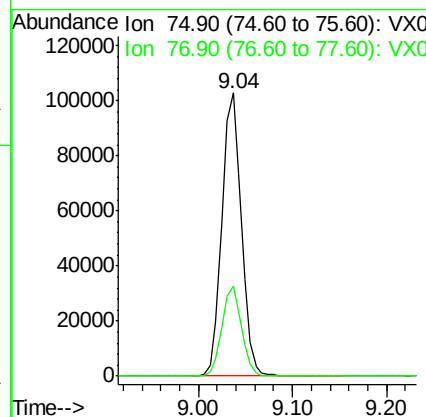
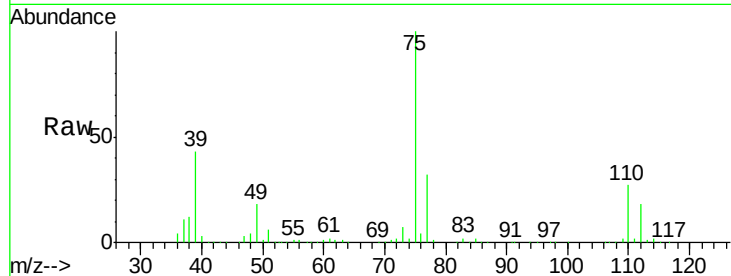
#53
t-1,3-Dichloropropene
Concen: 50.707 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

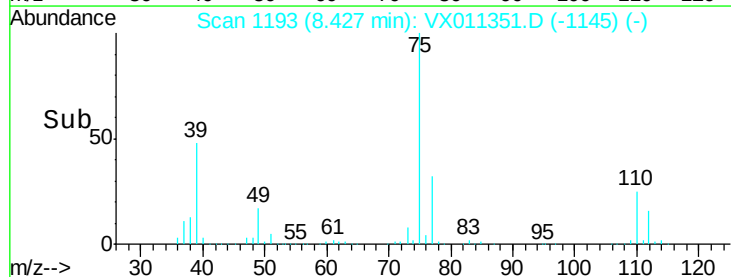
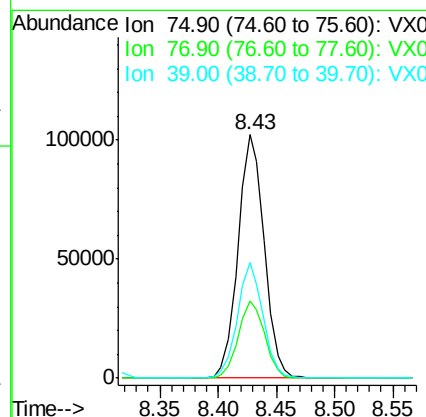
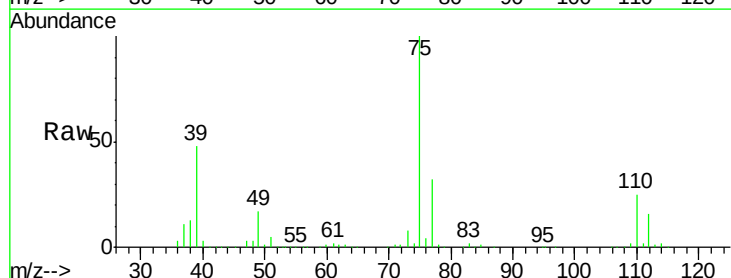
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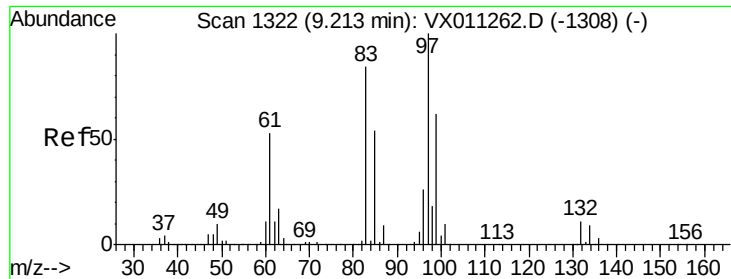
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#54
cis-1,3-Dichloropropene
Concen: 54.735 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6
39	47.6	35.3	52.9





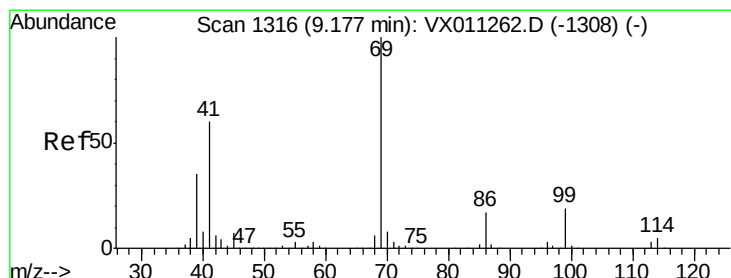
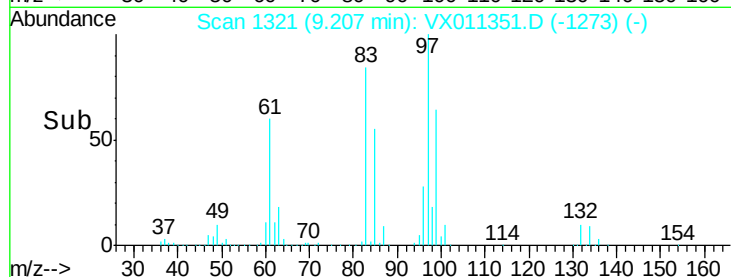
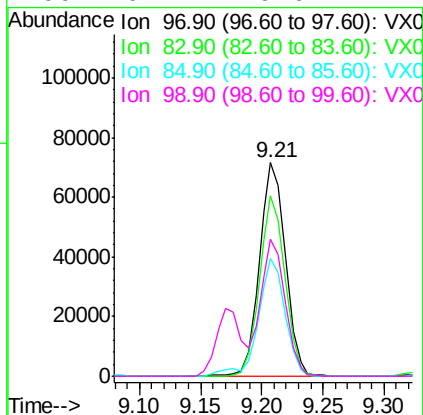
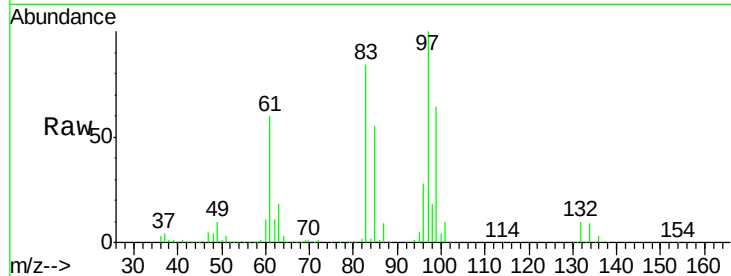
#55
 1,1,2-Trichloroethane
 Concen: 49.953 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		106227		
83	84.4	67.6	101.4		
85	55.2	43.4	65.0		
99	64.2	49.6	74.4		

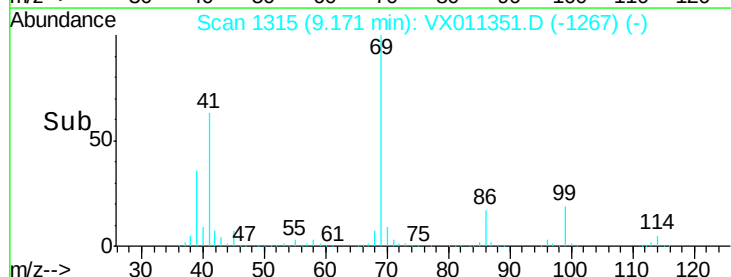
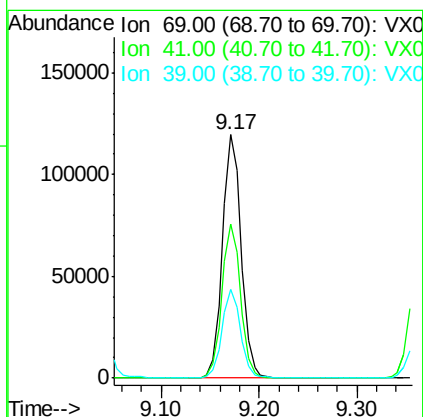
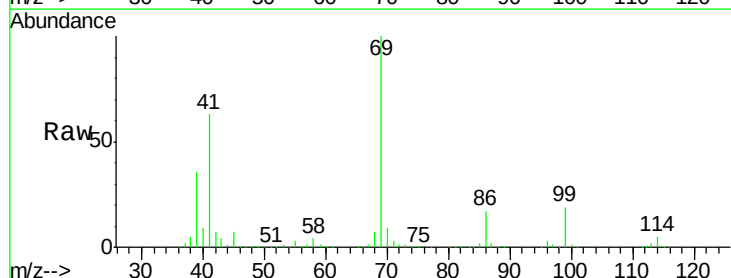
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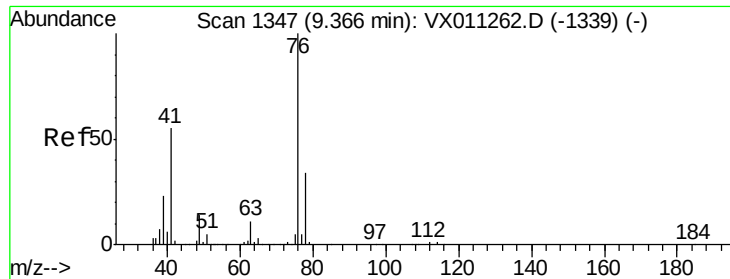
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#56
 Ethyl methacrylate
 Concen: 52.720 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		159767		
41	62.6	48.6	73.0		
39	35.7	29.4	44.2		





#57

1,3-Dichloropropane

Concen: 50.248 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 168990

Ion Ratio Lower Upper

76 100

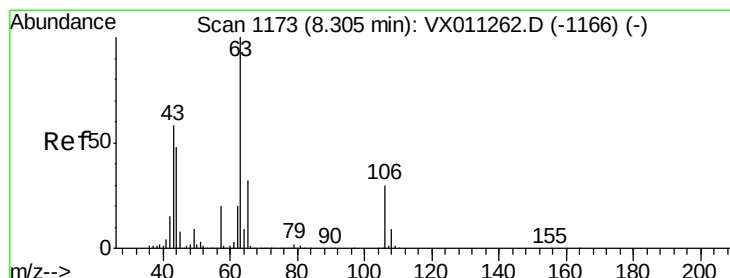
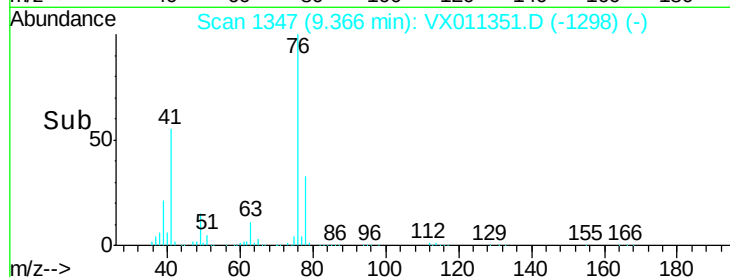
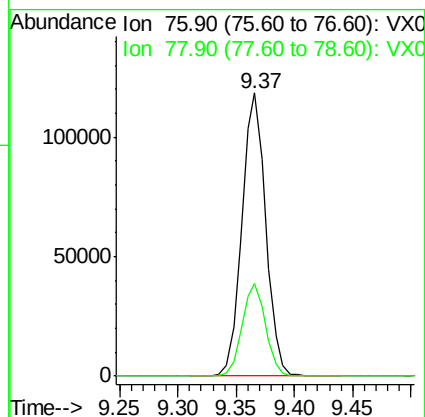
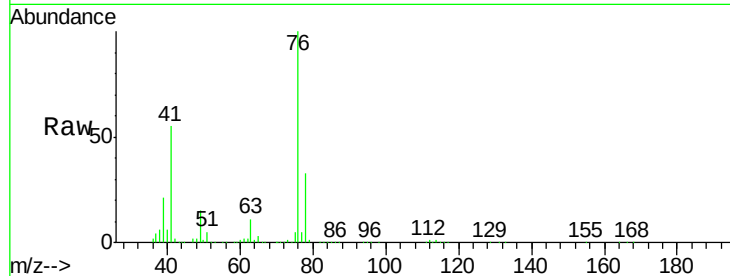
78 32.4 26.6 40.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 312.866 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011351.D

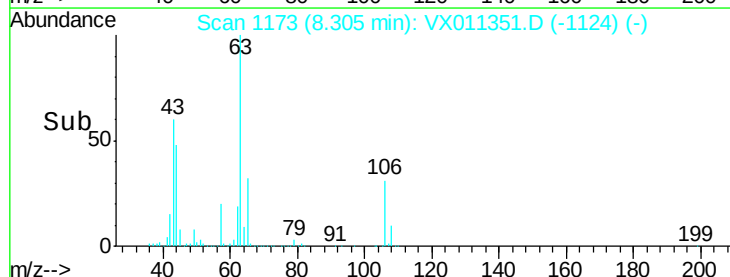
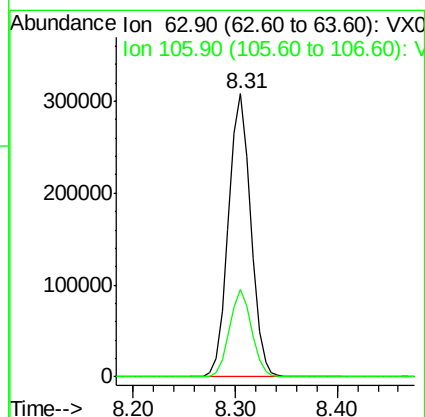
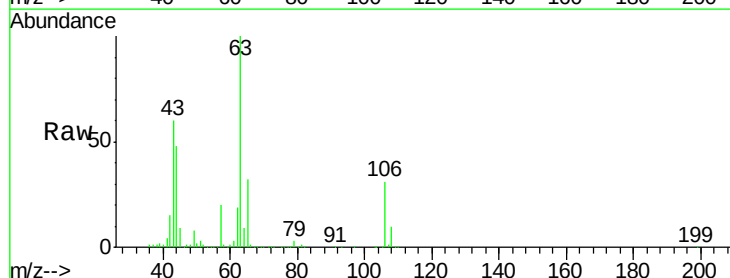
Acq: 06 Aug 2019 16:25

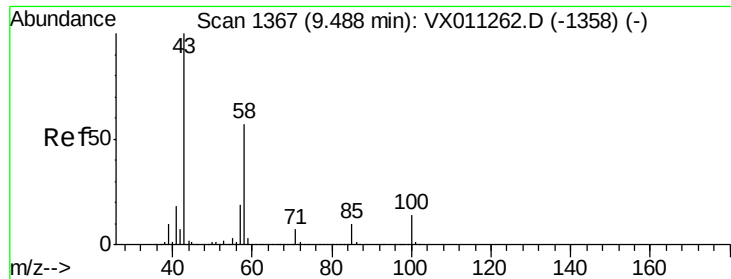
Tgt Ion: 63 Resp: 466186

Ion Ratio Lower Upper

63 100

106 30.5 24.4 36.6





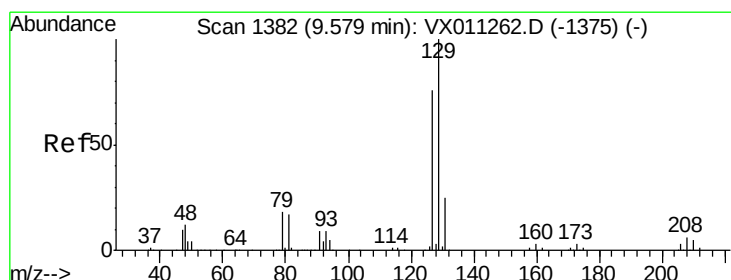
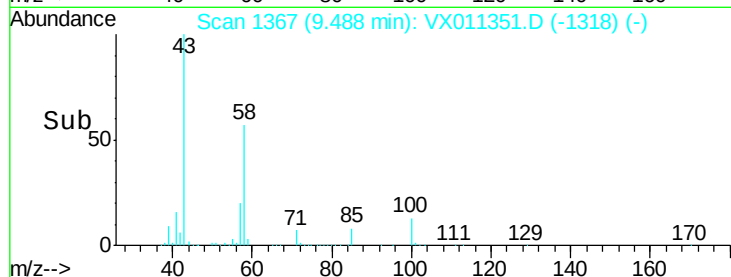
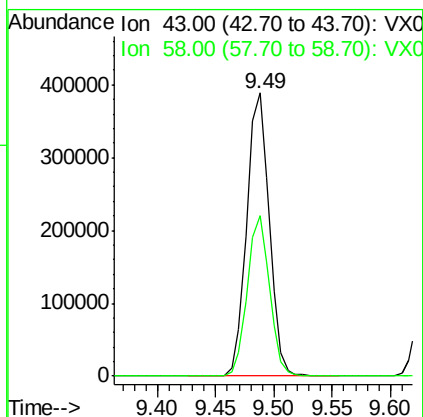
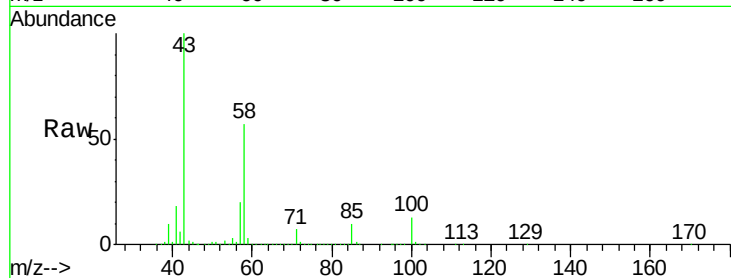
#59
2-Hexanone
Concen: 251.609 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 528752
Ion Ratio Lower Upper
43 100
58 55.9 28.2 84.6

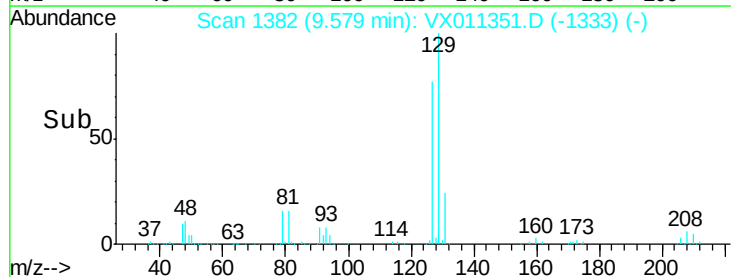
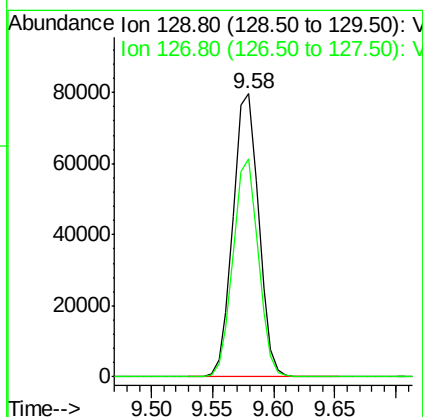
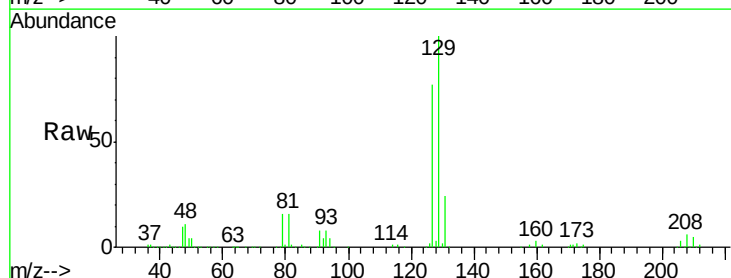
Manual Integrations
APPROVED

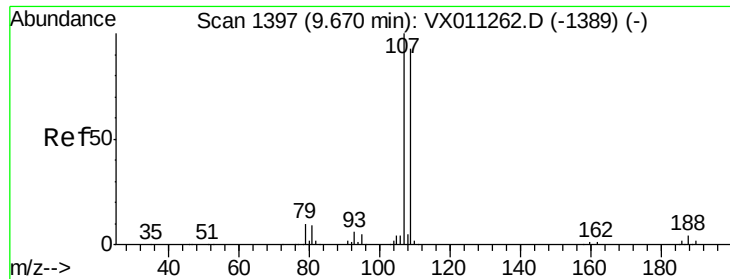
MMDadoda
8/7/2019 11:25:46 AM



#60
Dibromochloromethane
Concen: 53.196 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion:129 Resp: 115818
Ion Ratio Lower Upper
129 100
127 75.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 50.063 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 115020

Ion Ratio Lower Upper

107 100

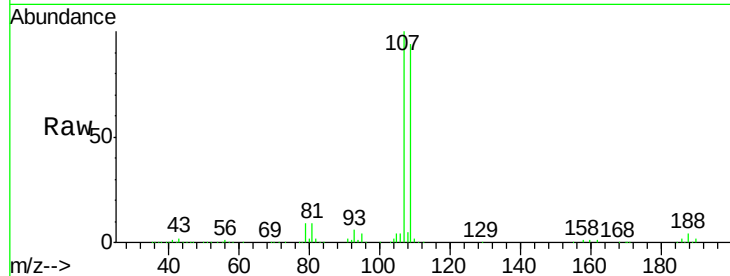
109 94.3 76.6 114.8

Manual Integrations

APPROVED

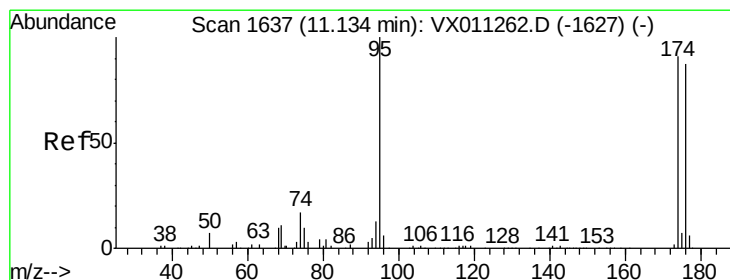
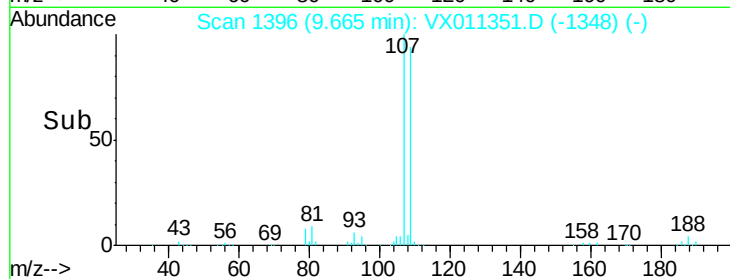
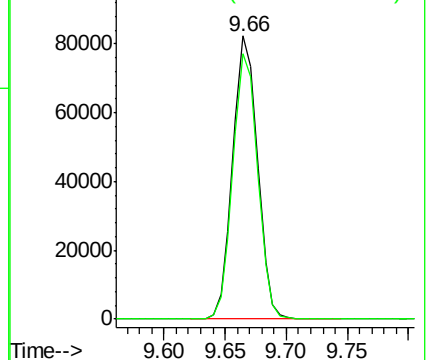
MMDadoda

8/7/2019 11:25:46 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.514 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

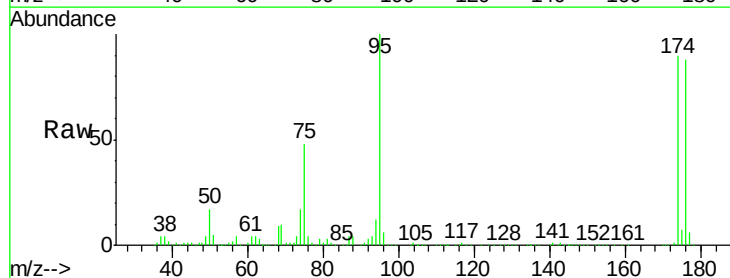
Tgt Ion: 95 Resp: 136091

Ion Ratio Lower Upper

95 100

174 89.3 0.0 191.2

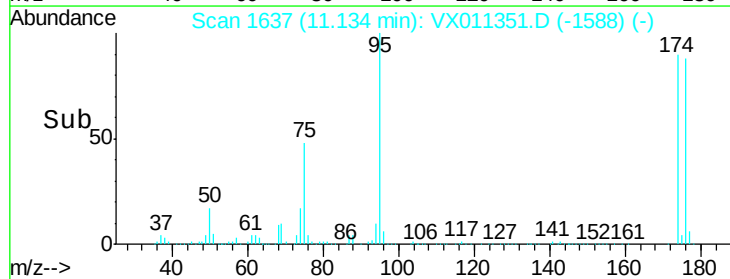
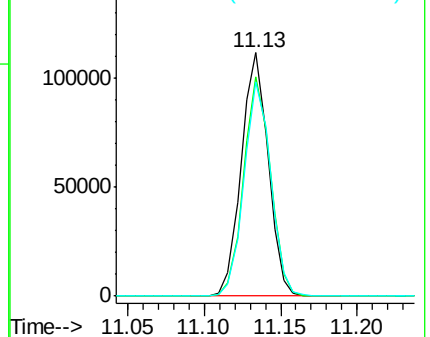
176 87.5 0.0 184.8

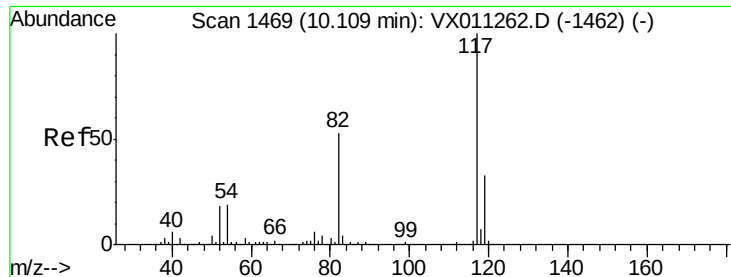


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





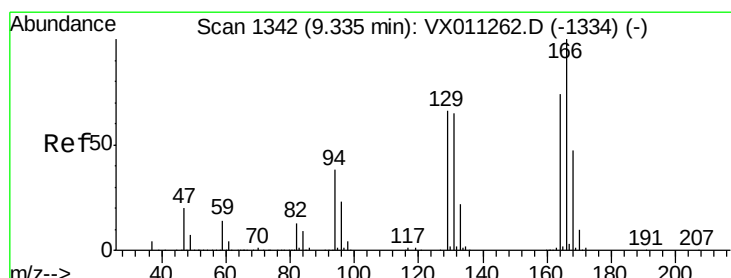
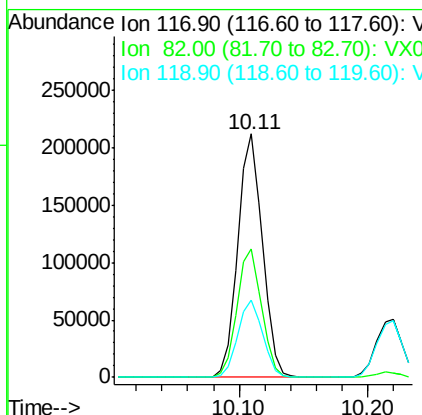
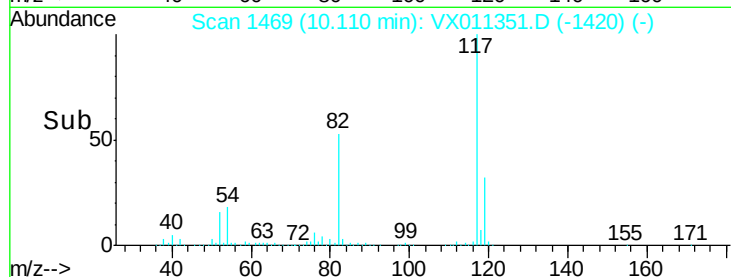
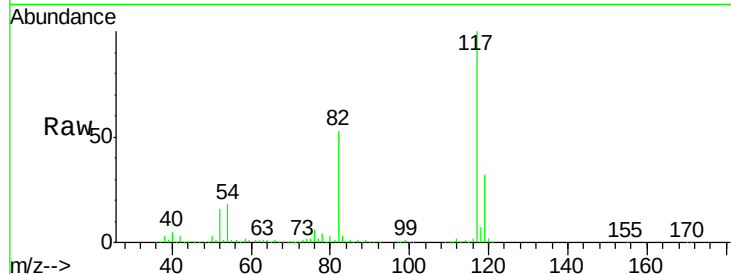
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	280293		
82	52.9		42.2	63.2
119	31.9		26.6	39.8

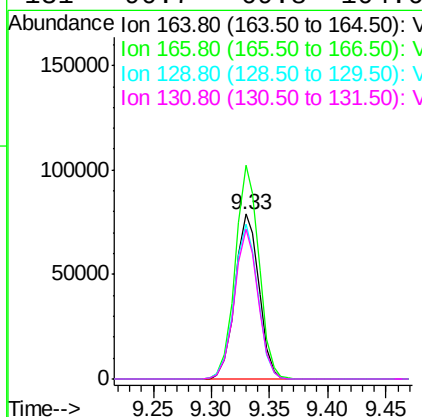
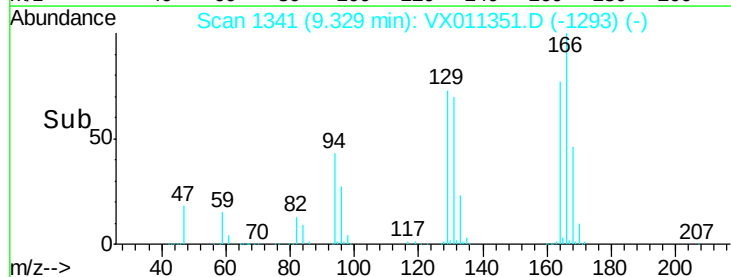
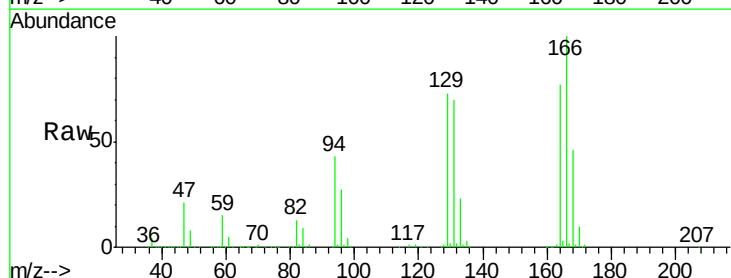
Manual Integrations
APPROVED

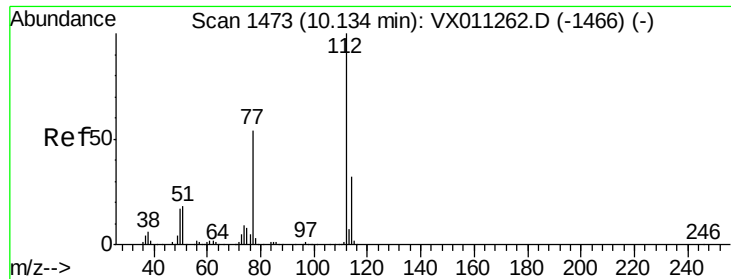
MMDadoda
8/7/2019 11:25:46 AM



#64
Tetrachloroethene
Concen: 47.486 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113033		
166	129.6		107.5	161.3
129	94.3		71.0	106.4
131	90.7		69.8	104.6





#65

Chlorobenzene

Concen: 48.608 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 292127

Ion Ratio Lower Upper

112 100

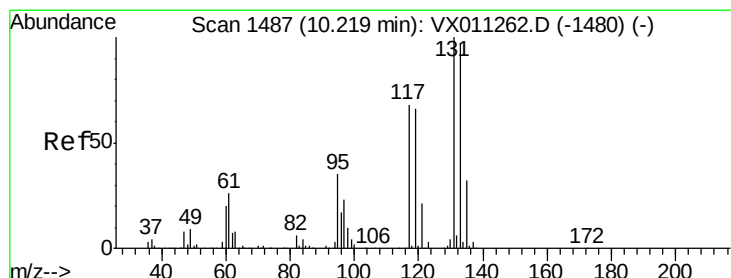
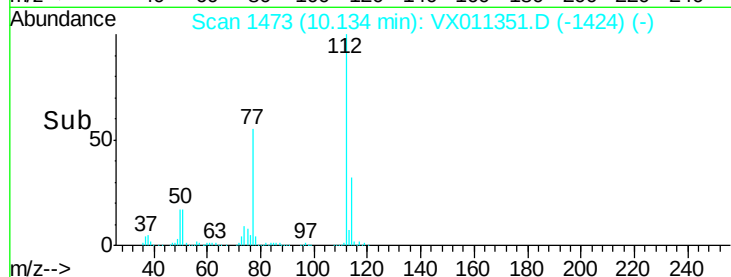
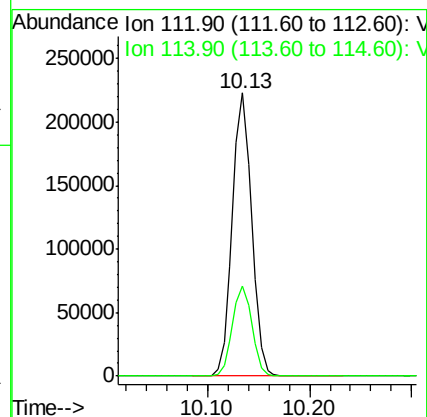
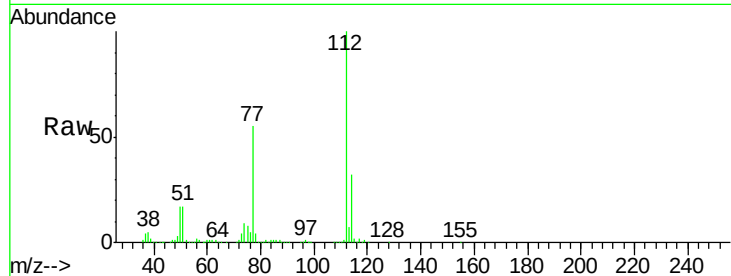
114 31.7 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.134 ug/l

RT: 10.21 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

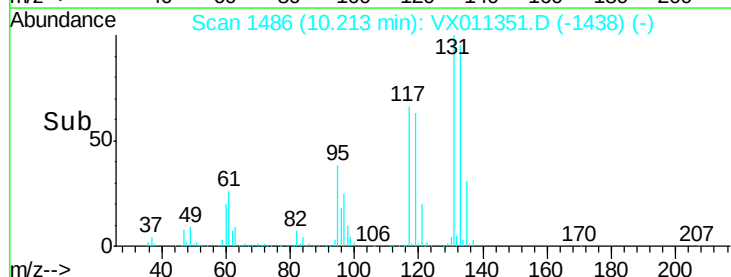
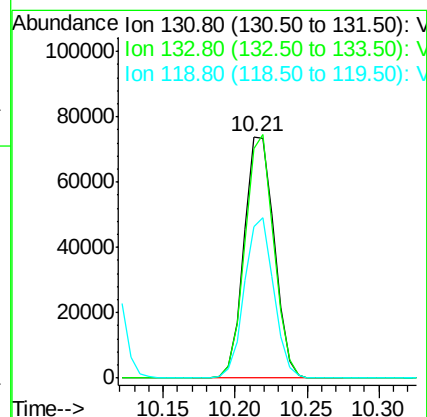
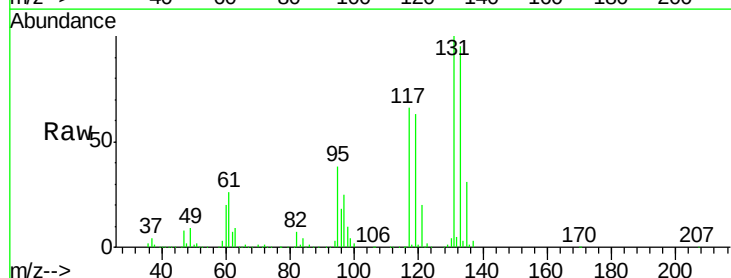
Tgt Ion:131 Resp: 107266

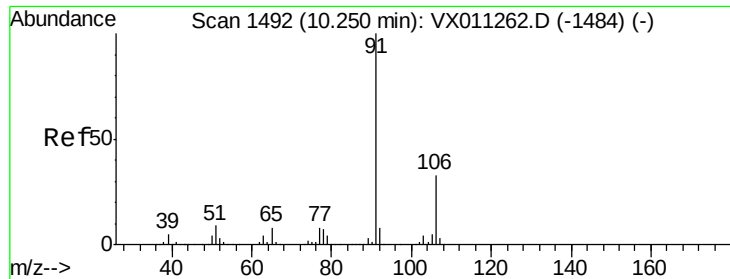
Ion Ratio Lower Upper

131 100

133 96.3 47.7 143.1

119 64.2 32.8 98.3





#67

Ethyl Benzene

Concen: 50.714 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 510437

Ion Ratio Lower Upper

91 100

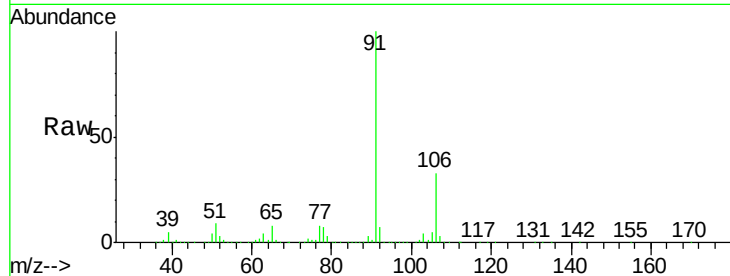
106 32.6 26.2 39.4

Manual Integrations

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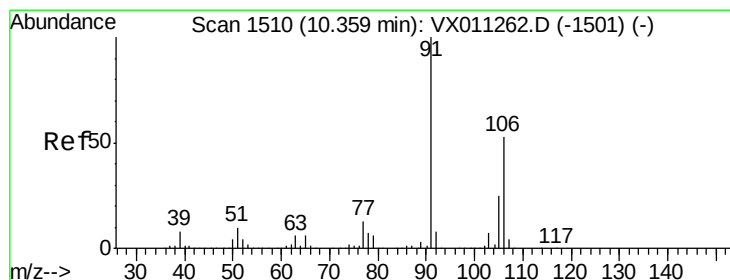
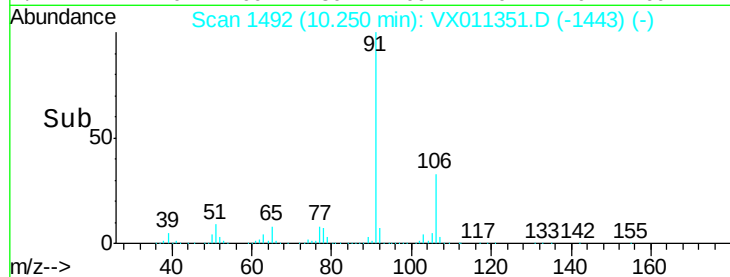
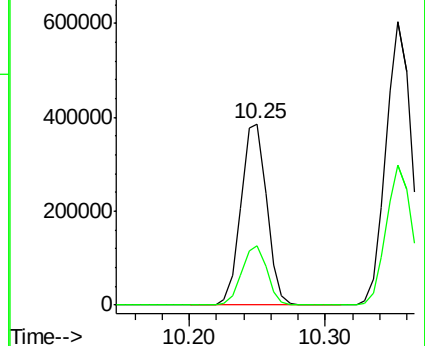
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Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX011262.D (-1484) (-)



#68

m/p-Xylenes

Concen: 101.846 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011351.D

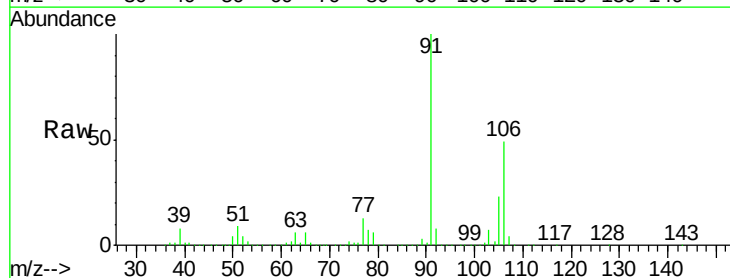
Acq: 06 Aug 2019 16:25

Tgt Ion: 106 Resp: 396500

Ion Ratio Lower Upper

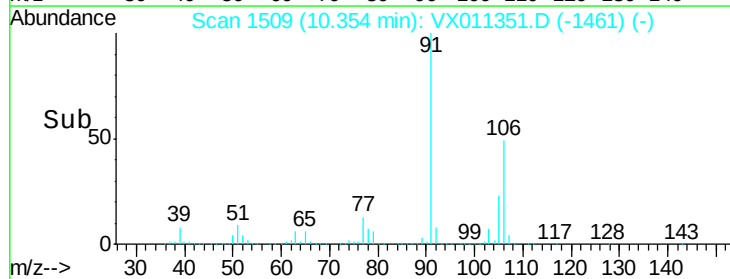
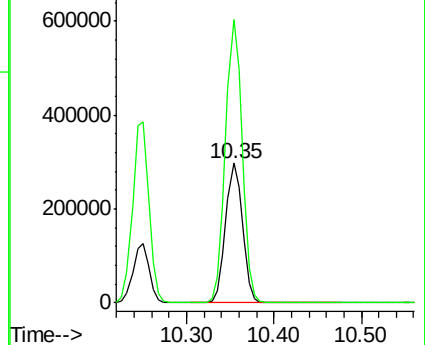
106 100

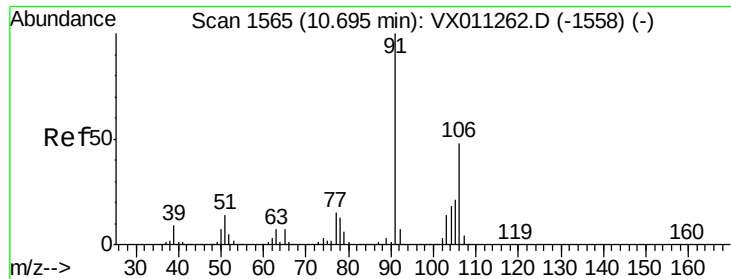
91 200.3 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VX011262.D (-1501) (-)

Ion 91.00 (90.70 to 91.70): VX011262.D (-1501) (-)





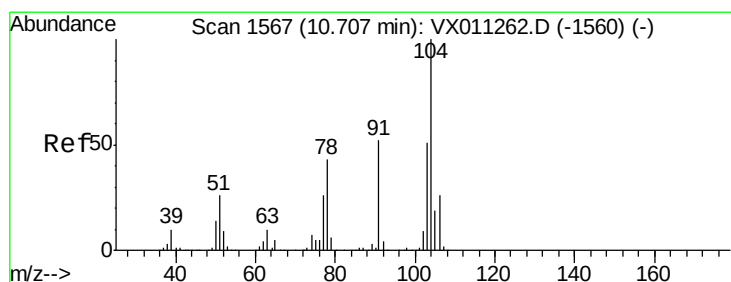
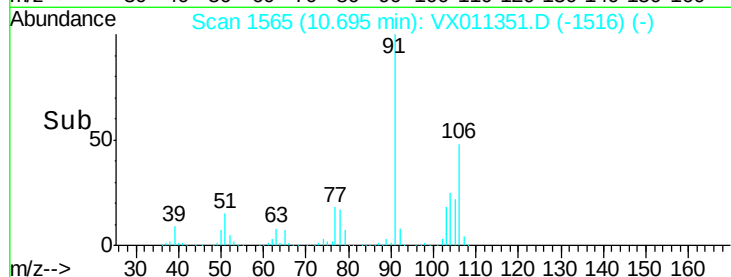
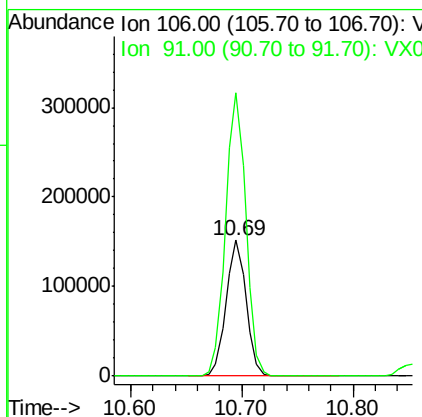
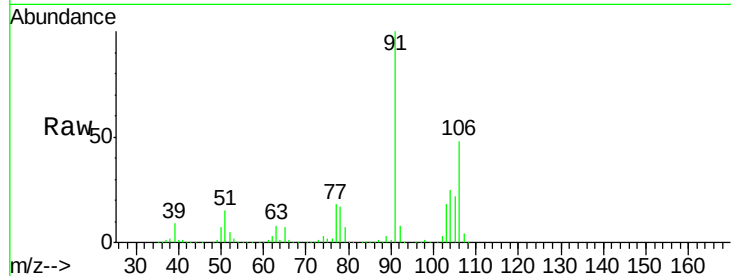
#69
o-Xylene
Concen: 49.438 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	103.8	311.3

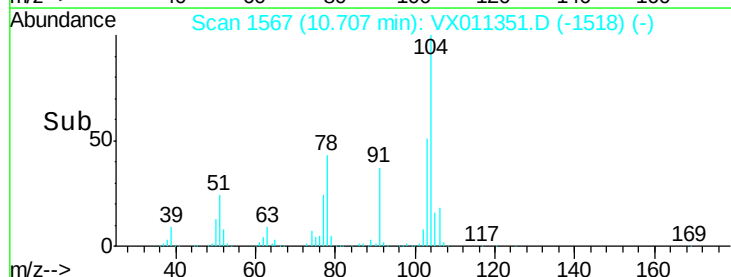
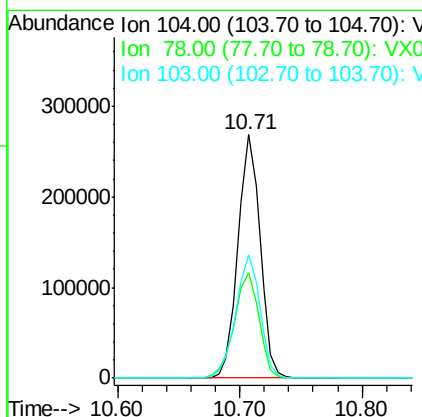
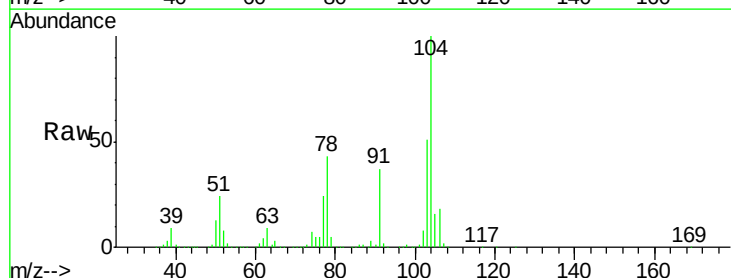
Manual Integrations
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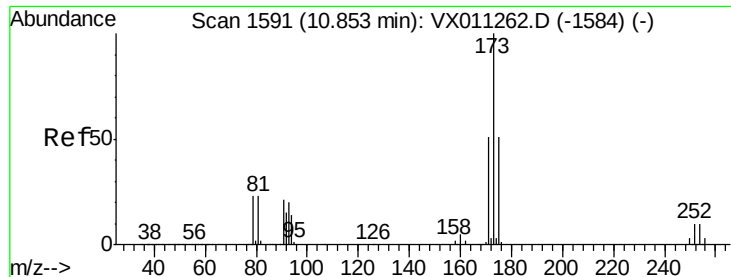
MMDadoda
8/7/2019 11:25:46 AM



#70
Styrene
Concen: 52.879 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	36.9	55.3
103	55.4	44.4	66.6





#71

Bromoform

Concen: 46.813 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 85768

Ion Ratio Lower Upper

173 100

175 49.3 24.4 73.4

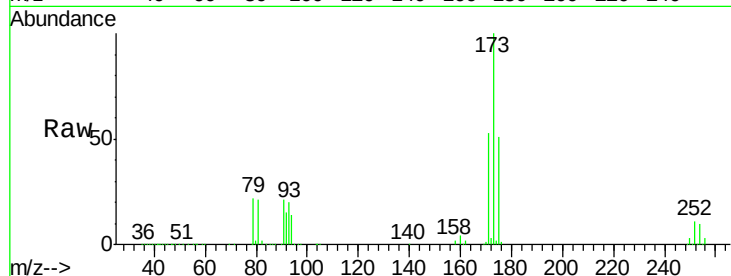
254 0.2 0.2 0.2

Manual Integrations

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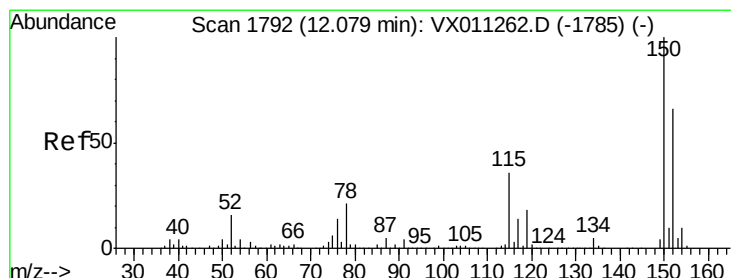
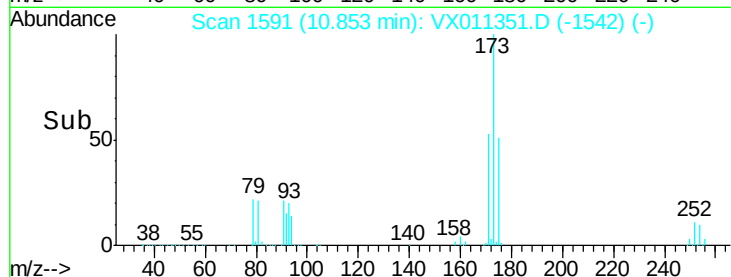
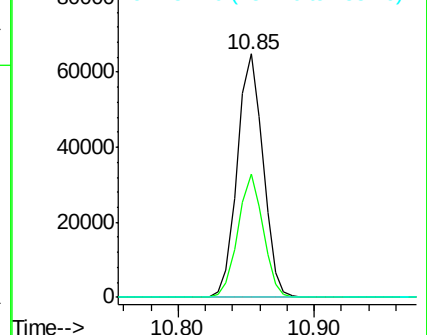
8/7/2019 11:25:46 AM



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# 1791

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

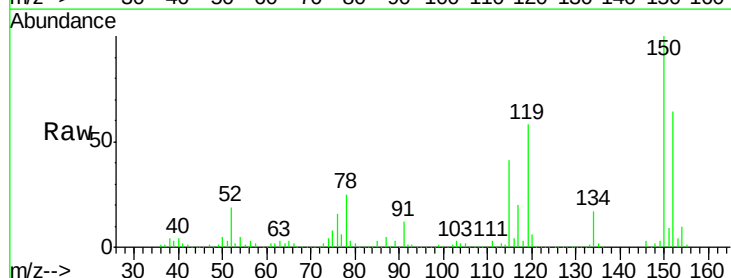
Tgt Ion:152 Resp: 159731

Ion Ratio Lower Upper

152 100

115 78.2 40.0 119.9

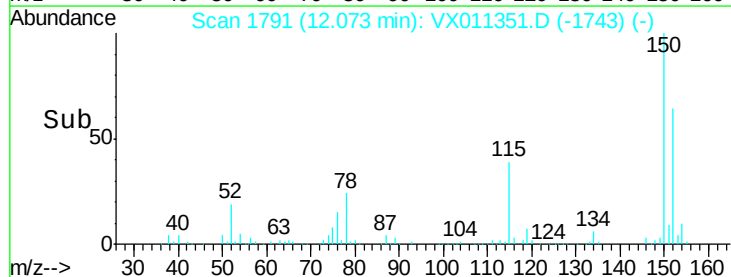
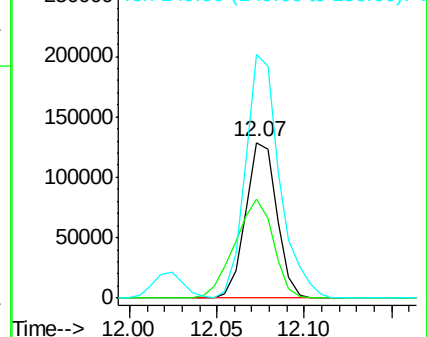
150 170.7 0.0 350.4

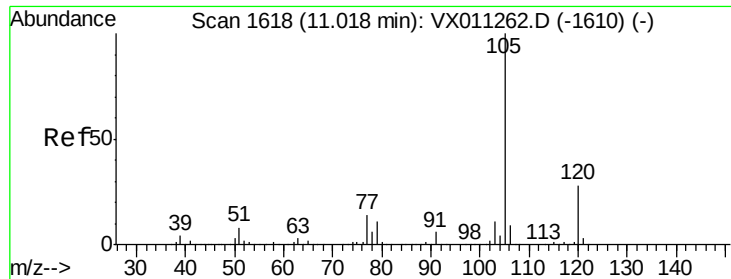


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.811 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 522312

Ion Ratio Lower Upper

105 100

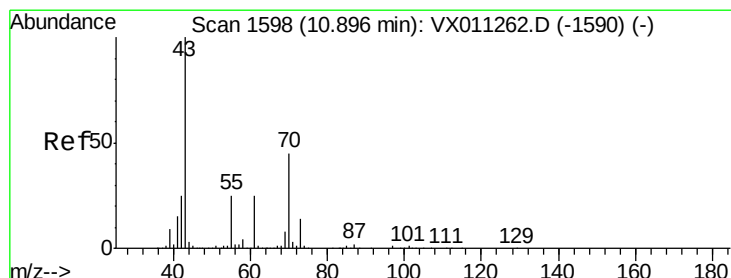
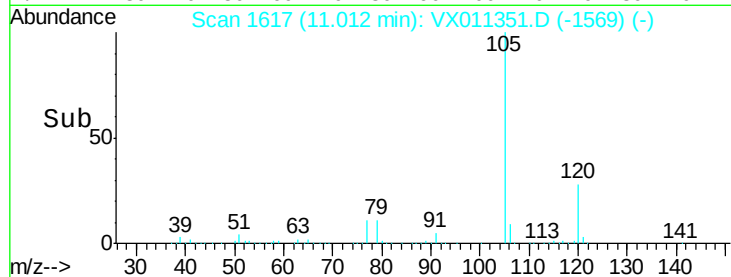
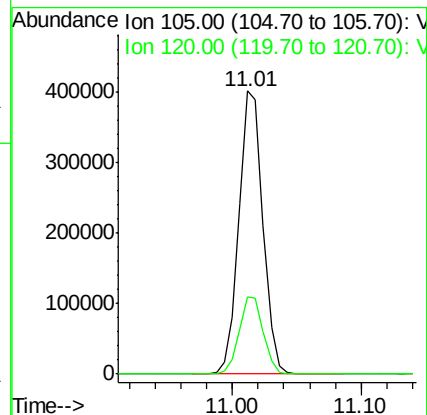
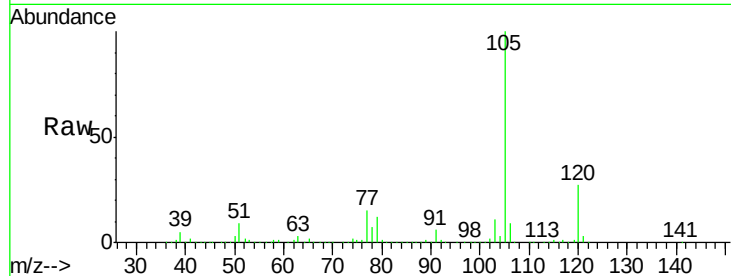
120 27.4 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.190 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Tgt Ion: 43 Resp: 198116

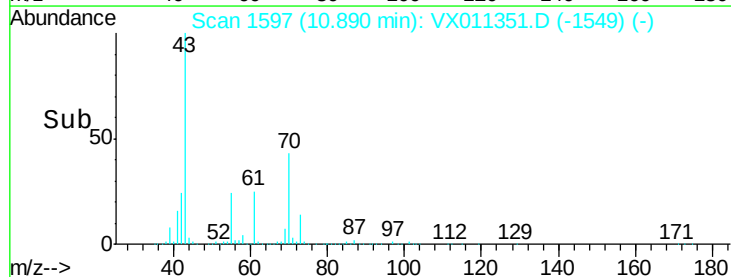
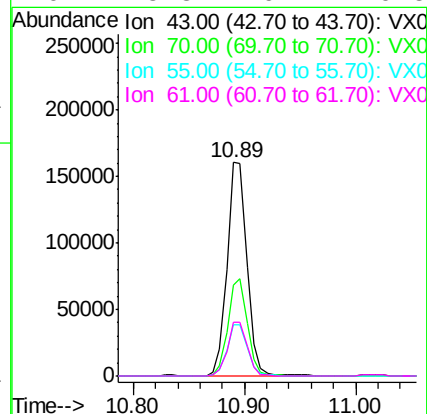
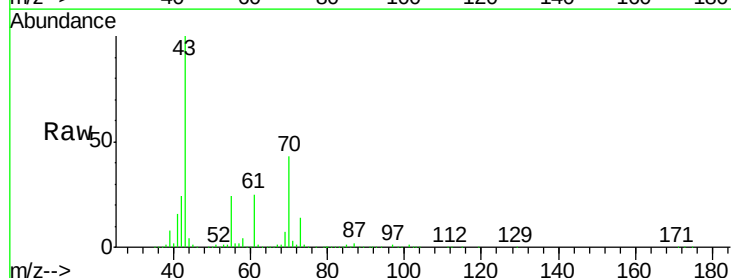
Ion Ratio Lower Upper

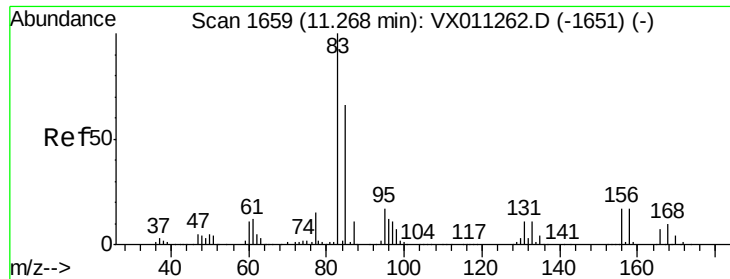
43 100

70 44.8 35.9 53.9

55 24.6 19.8 29.6

61 25.3 19.7 29.5





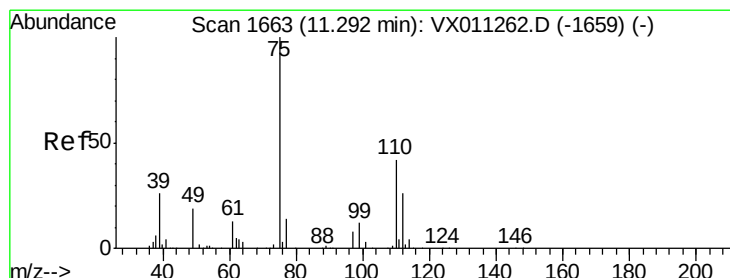
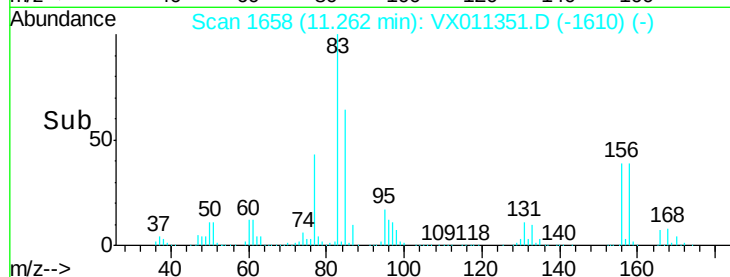
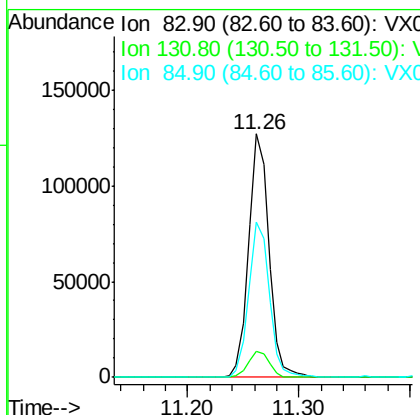
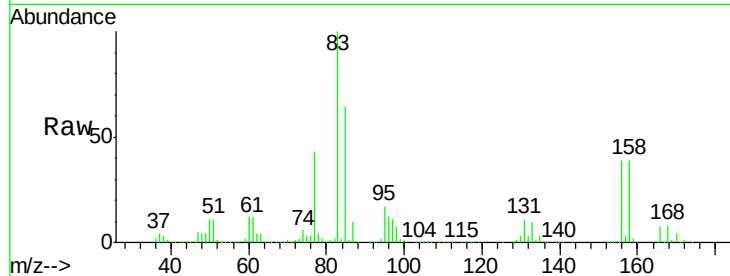
#75
 1,1,2,2-Tetrachloroethane
 Concen: 44.377 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	161559		
131	11.2	5.6	16.8	
85	65.2	32.1	96.5	

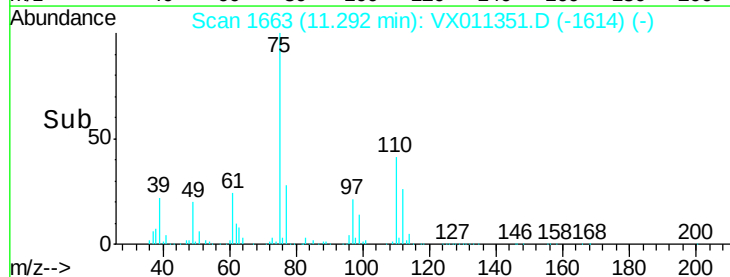
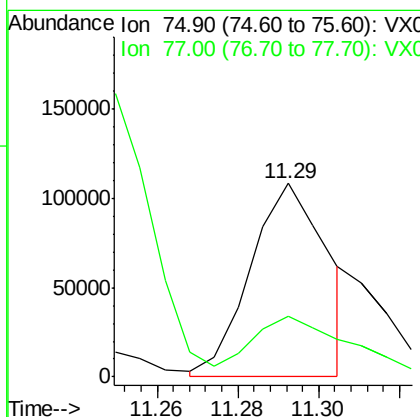
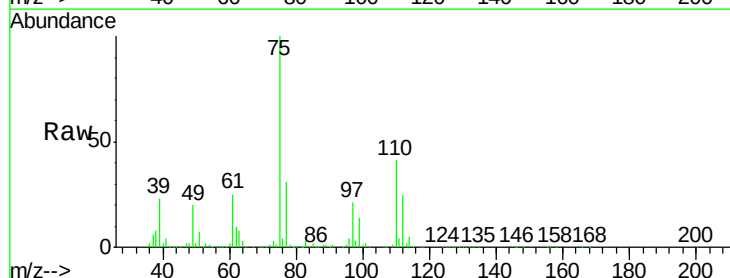
Manual Integrations
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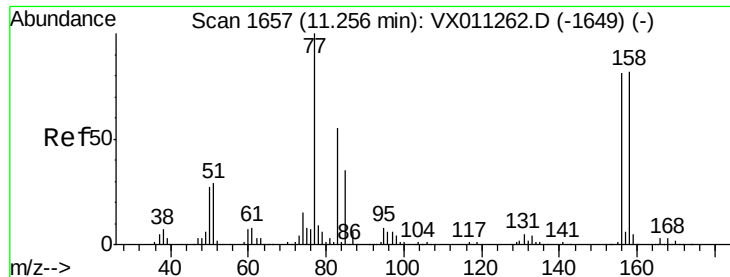
MMDadoda
 8/7/2019 11:25:46 AM



#76
 1,2,3-Trichloropropane
 Concen: 48.894 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	142228		
77	40.5	21.1	63.4	





#77

Bromobenzene

Concen: 47.270 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

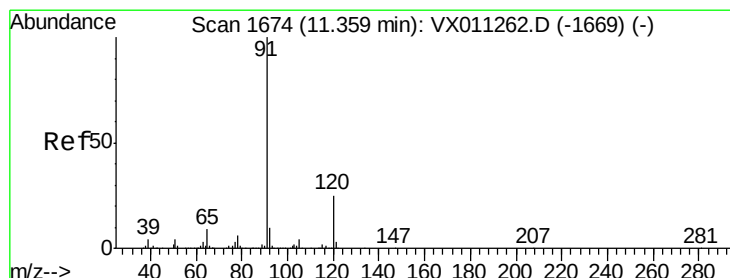
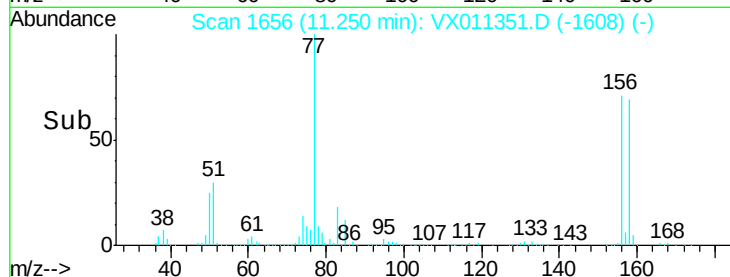
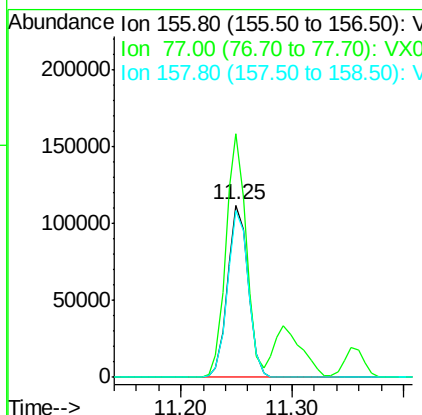
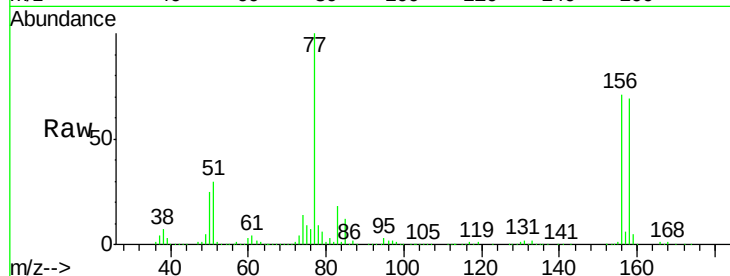
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	143196
Ion Ratio	Lower	Upper	
156	100		
77	139.8	66.2	198.6
158	97.5	49.1	147.3

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#78

n-propylbenzene

Concen: 49.040 ug/l

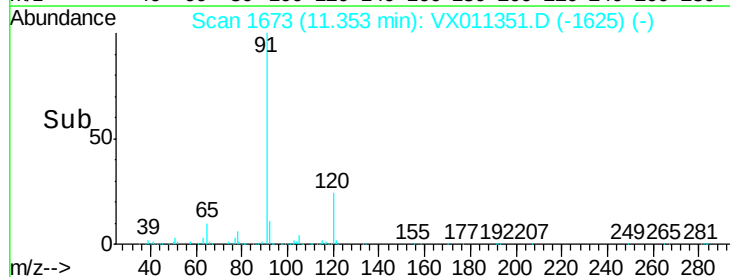
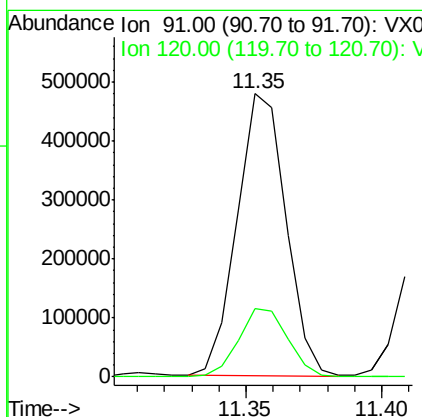
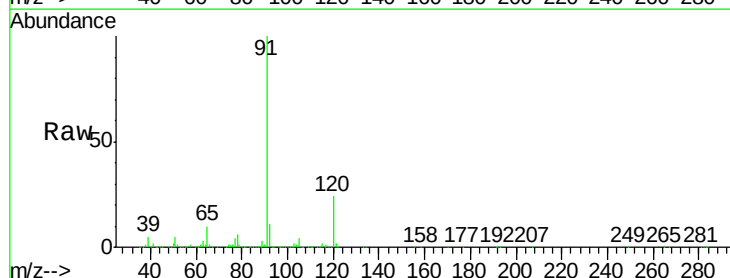
RT: 11.35 min Scan# 1673

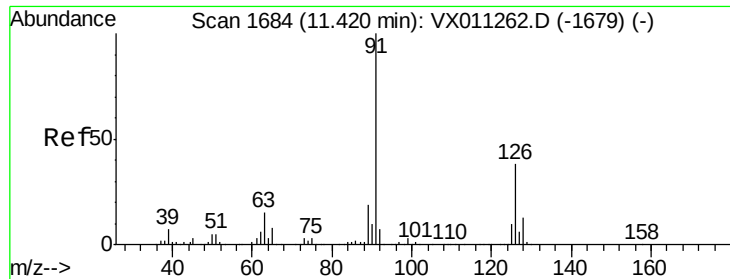
Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Tgt Ion:	91	Resp:	595773
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.4	37.0





#79

2-Chlorotoluene

Concen: 47.907 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 346893

Ion Ratio Lower Upper

91 100

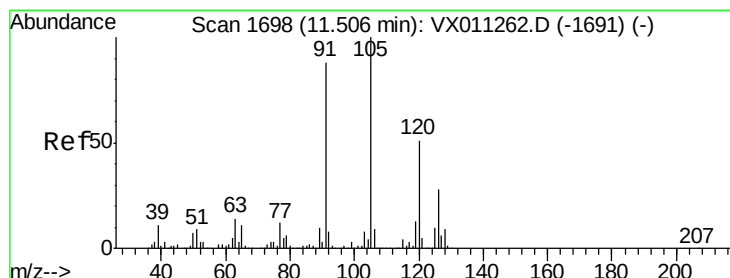
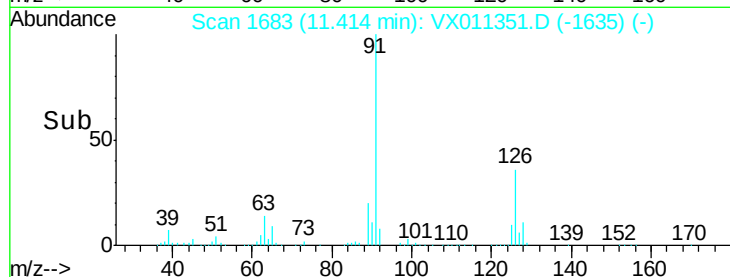
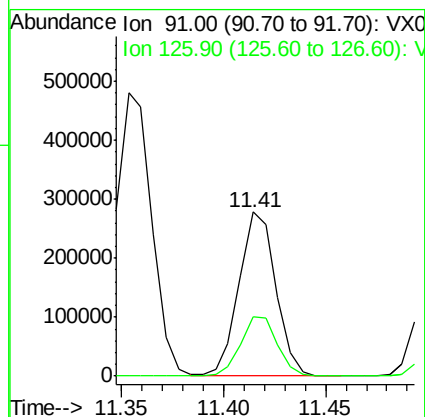
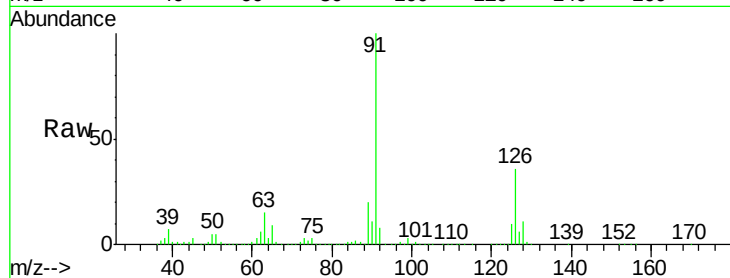
126 36.7 18.5 55.5

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#80

1,3,5-Trimethylbenzene

Concen: 48.625 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VX011351.D

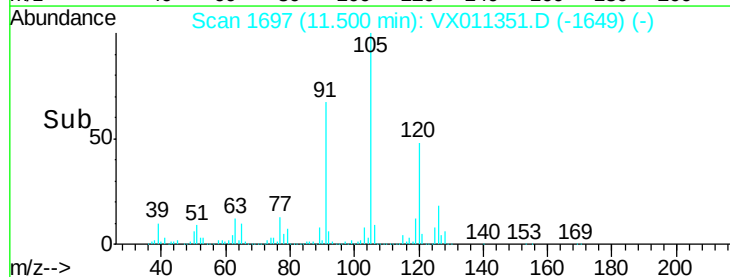
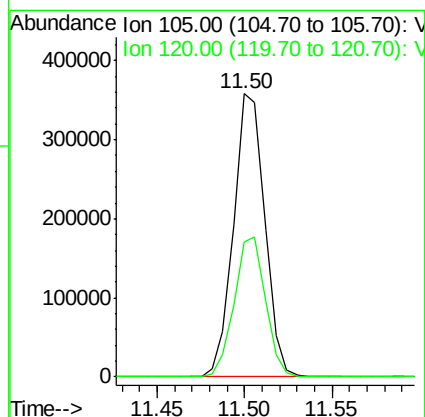
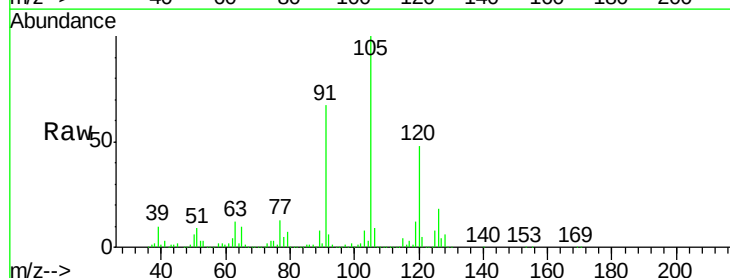
Acq: 06 Aug 2019 16:25

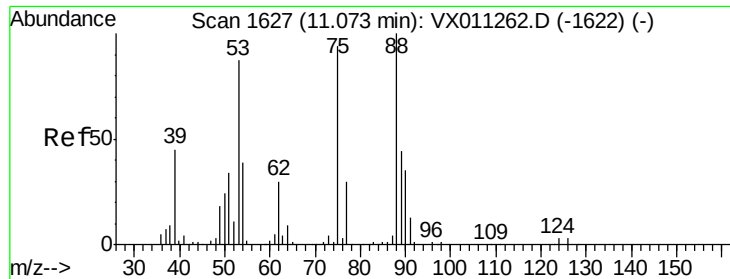
Tgt Ion: 105 Resp: 444674

Ion Ratio Lower Upper

105 100

120 49.4 25.1 75.2





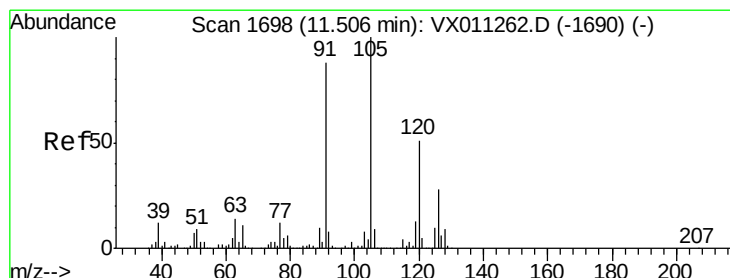
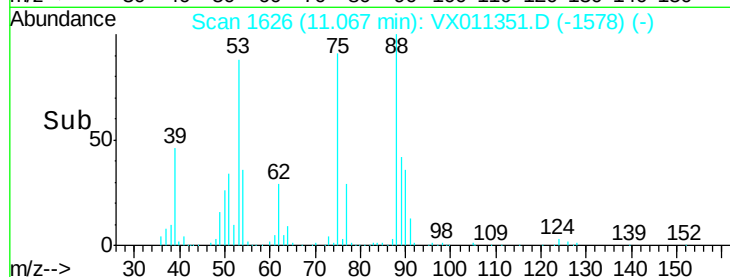
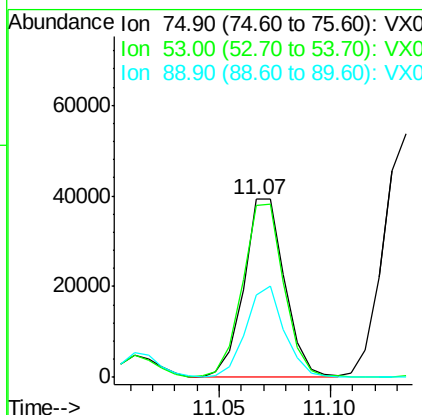
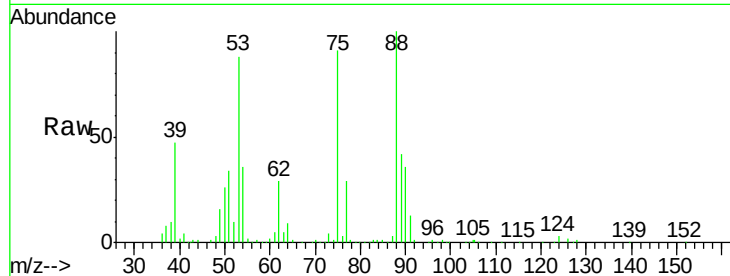
#81
trans-1,4-Dichloro-2-butene
Concen: 46.589 ug/l
RT: 11.07 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.9	78.2	117.4
89	48.2	37.9	56.9

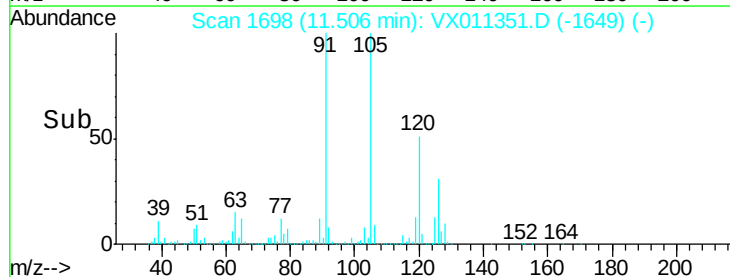
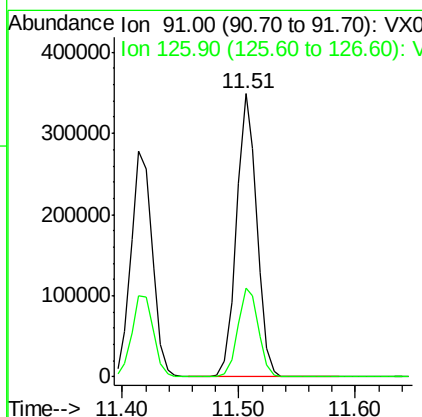
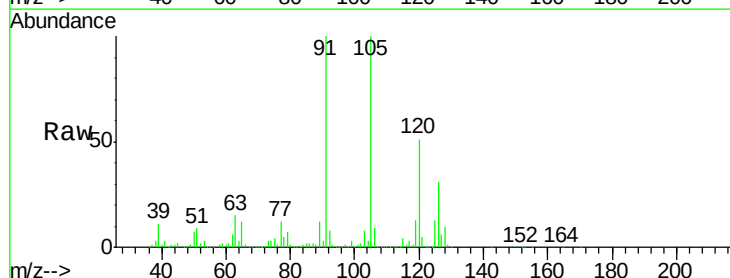
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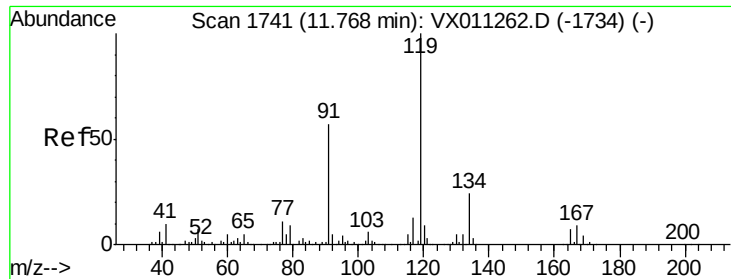
MMDadoda
8/7/2019 11:25:46 AM



#82
4-Chlorotoluene
Concen: 50.150 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.2





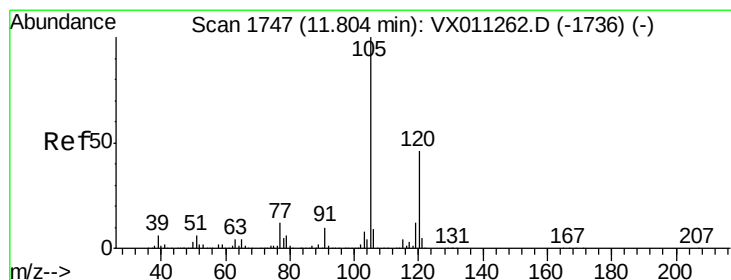
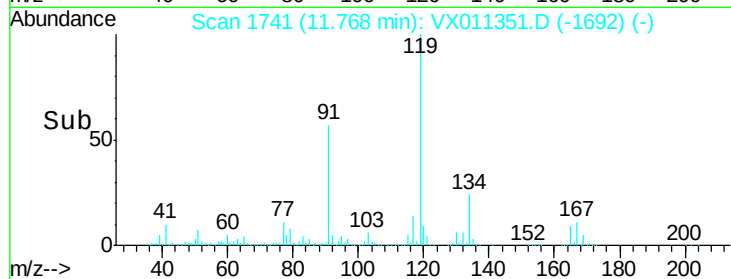
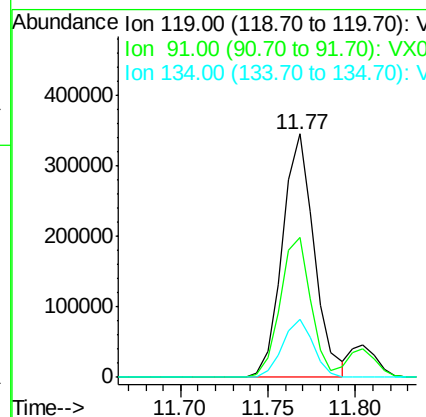
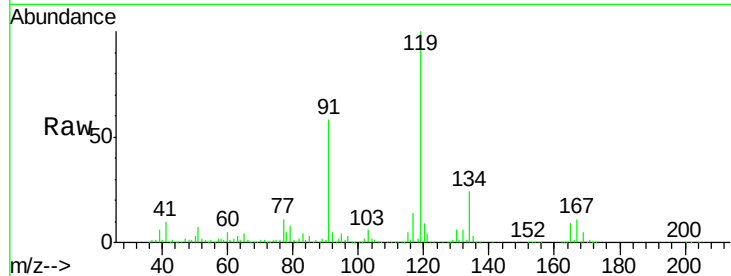
#83
 tert-Butylbenzene
 Concen: 48.734 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	437104		
91	55.5	28.0	84.0	
134	23.4	11.9	35.5	

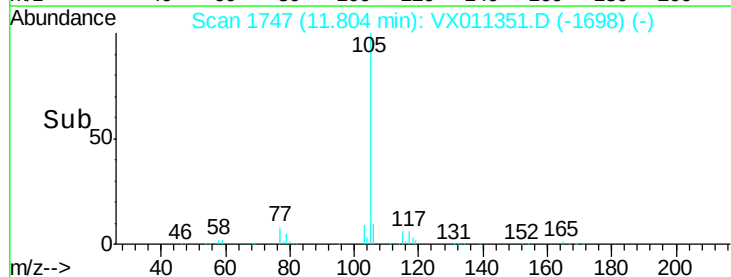
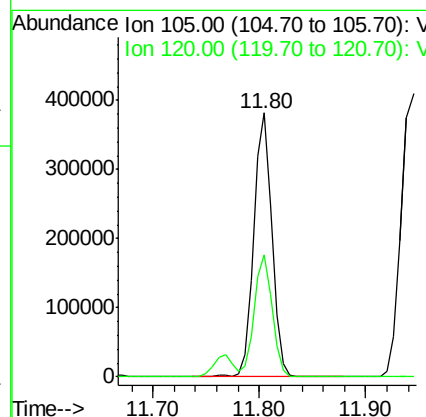
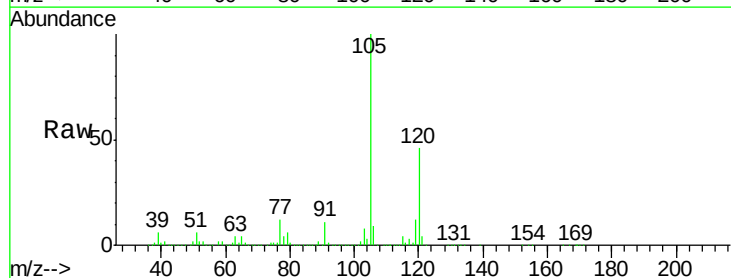
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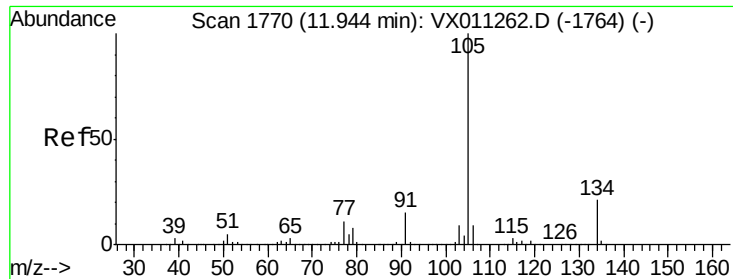
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.124 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	456379		
120	46.0	23.0	69.0	





#85

sec-Butylbenzene

Concen: 47.541 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 512300

Ion Ratio Lower Upper

105 100

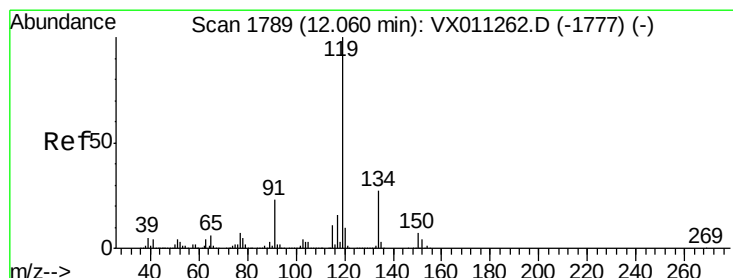
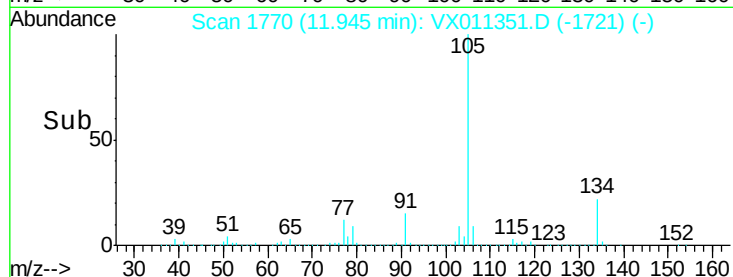
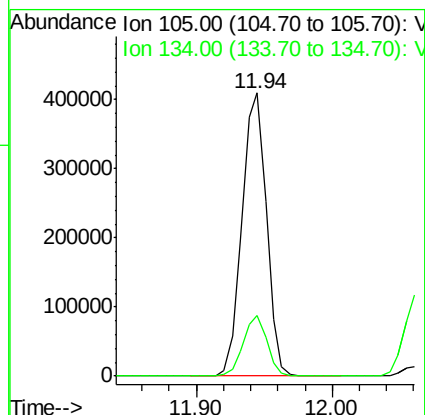
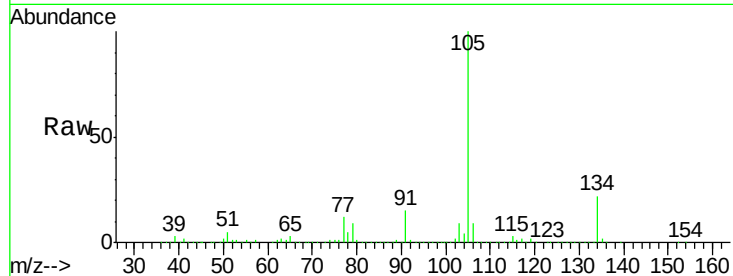
134 20.7 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 48.998 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011351.D

Acq: 06 Aug 2019 16:25

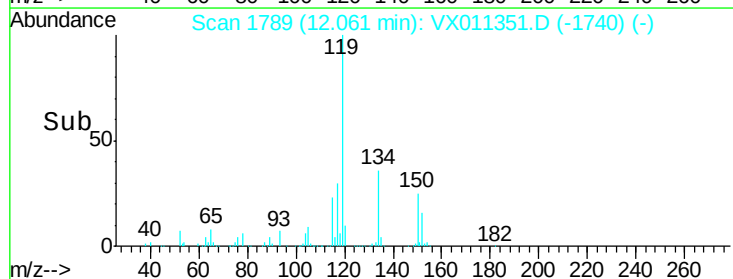
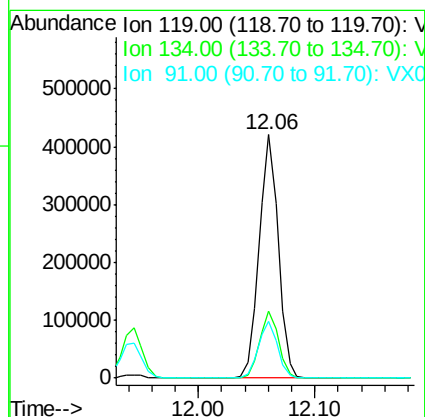
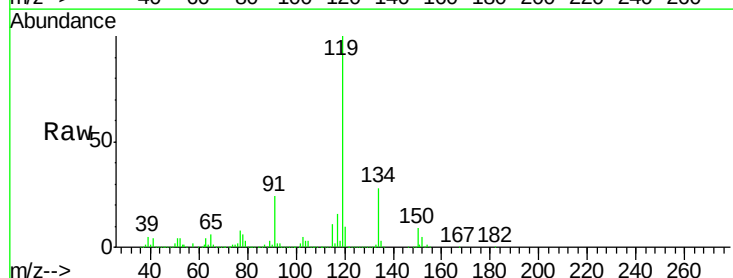
Tgt Ion:119 Resp: 485750

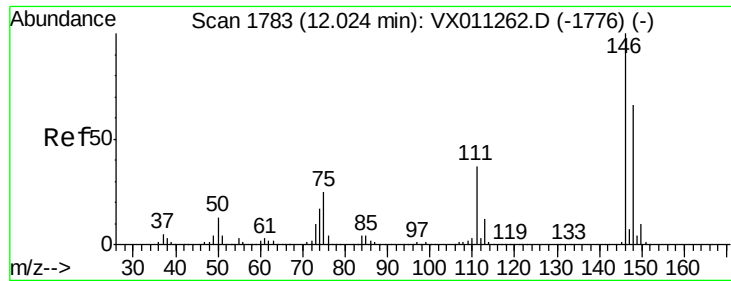
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

91 23.3 11.4 34.2





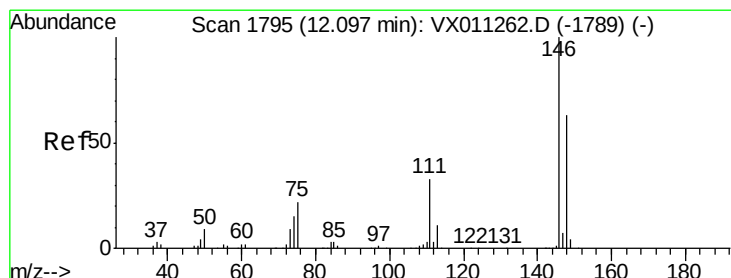
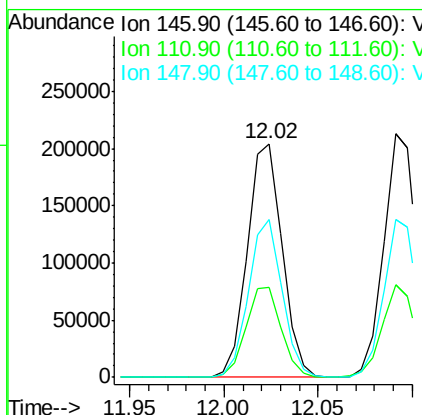
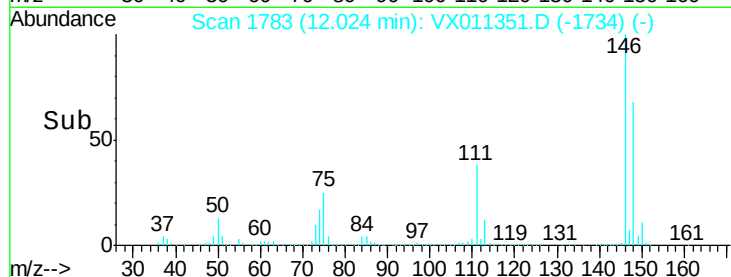
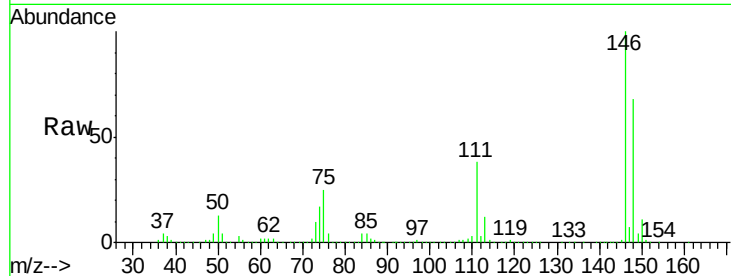
#87
 1,3-Dichlorobenzene
 Concen: 48.886 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	65.1	32.5	97.5

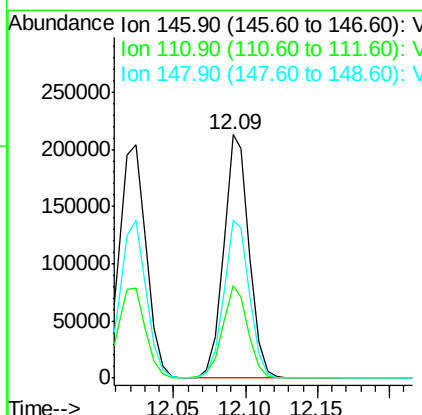
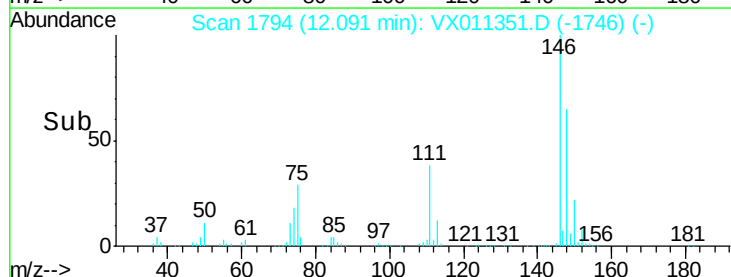
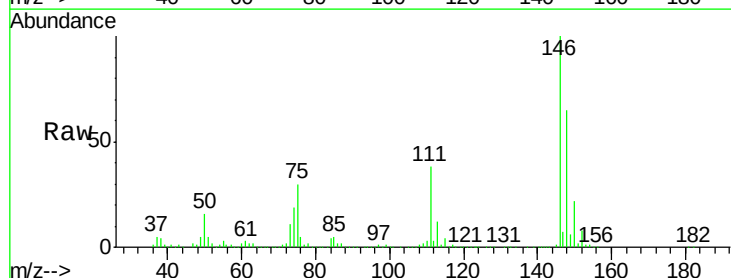
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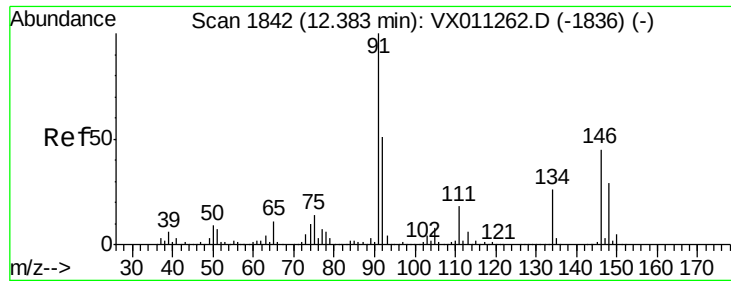
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#88
 1,4-Dichlorobenzene
 Concen: 47.571 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.8	53.4
148	65.5	31.8	95.3





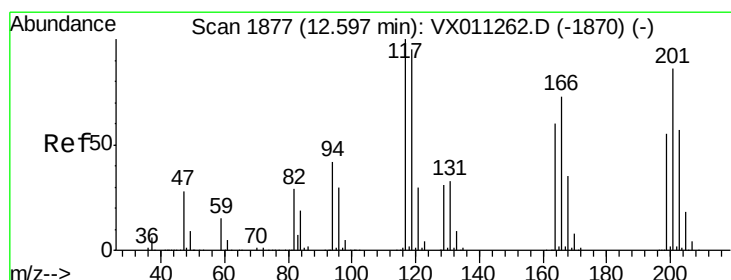
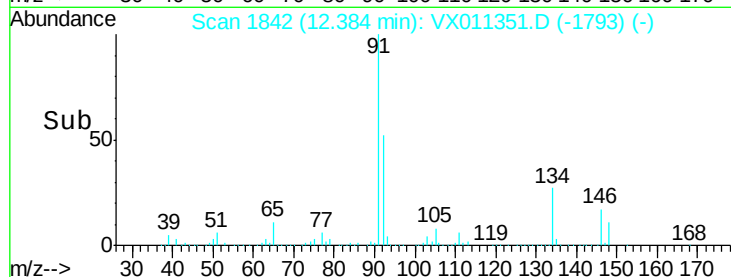
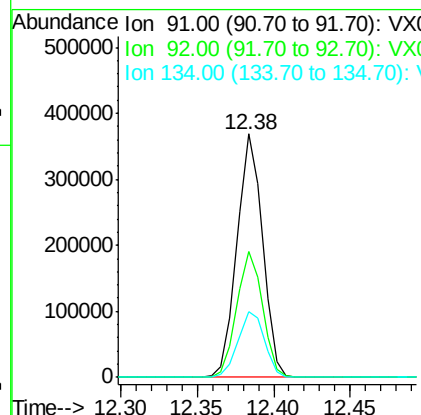
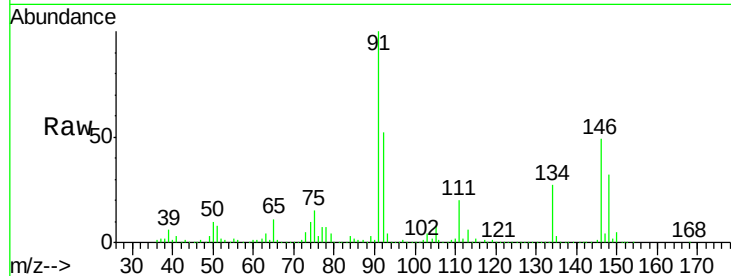
#89
n-Butylbenzene
Concen: 50.045 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.8	77.3
134	27.7	13.7	41.0

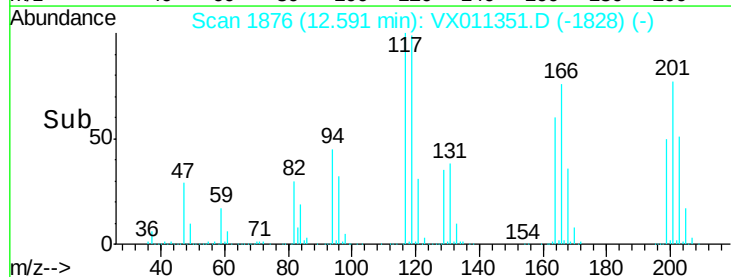
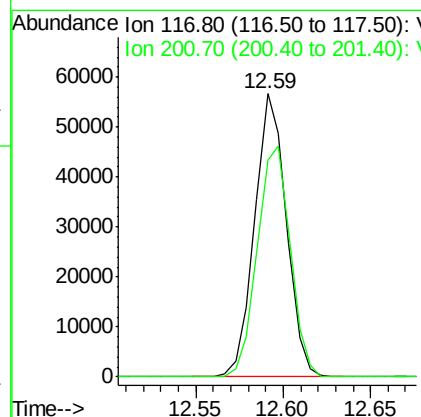
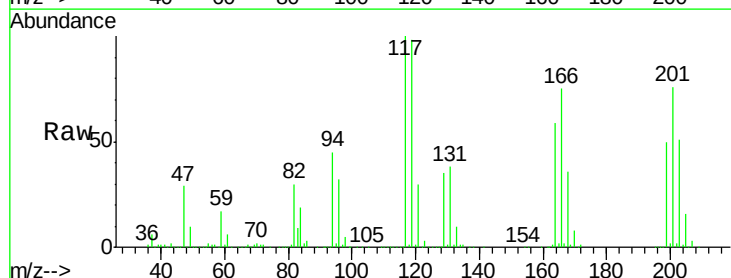
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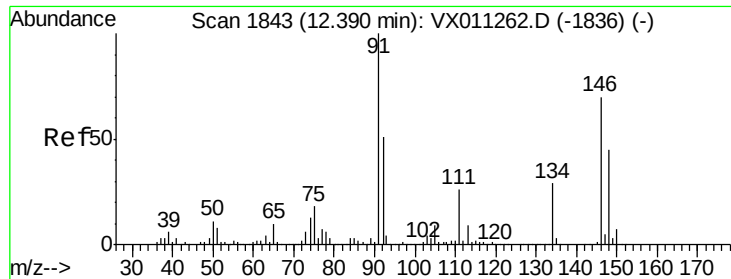
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8/7/2019 11:25:46 AM



#90
Hexachloroethane
Concen: 48.727 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	41.8	125.4





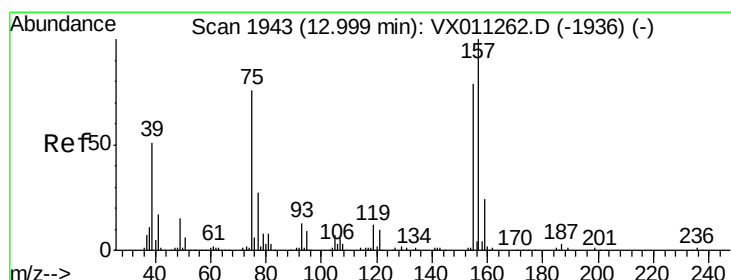
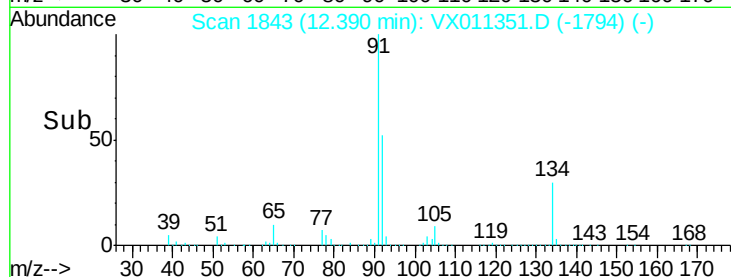
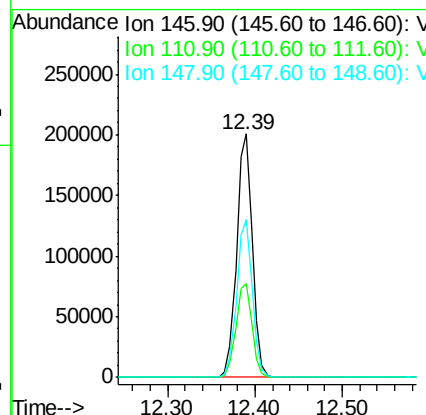
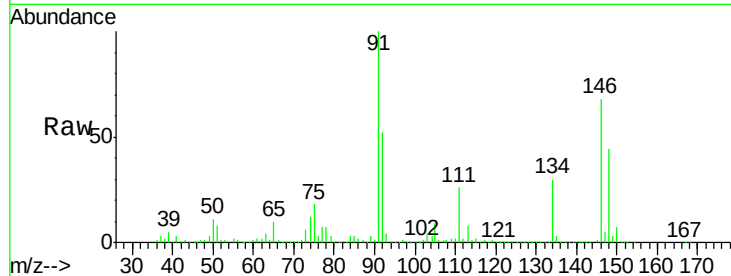
#91
 1,2-Dichlorobenzene
 Concen: 46.998 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.1	57.1
148	64.4	32.3	96.8

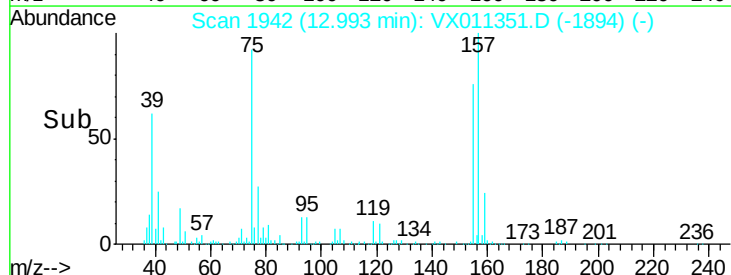
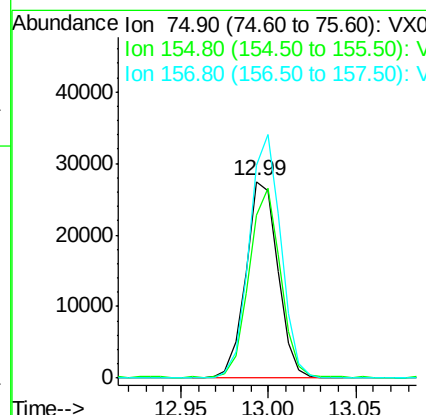
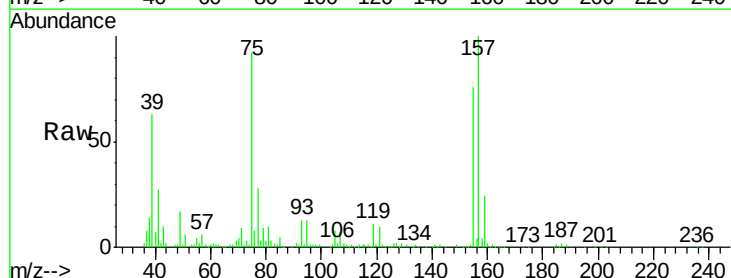
Manual Integrations
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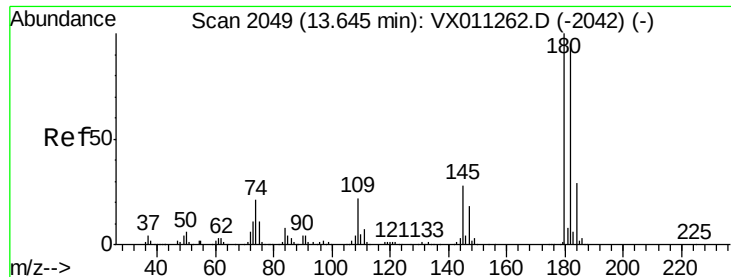
MMDadoda
 8/7/2019 11:25:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.909 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	51.9	155.8
157	122.0	64.3	192.7





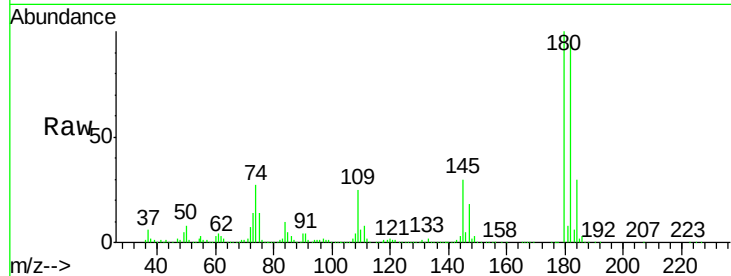
#93
 1,2,4-Trichlorobenzene
 Concen: 51.271 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

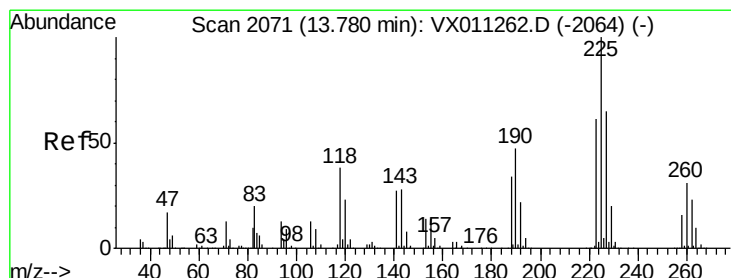
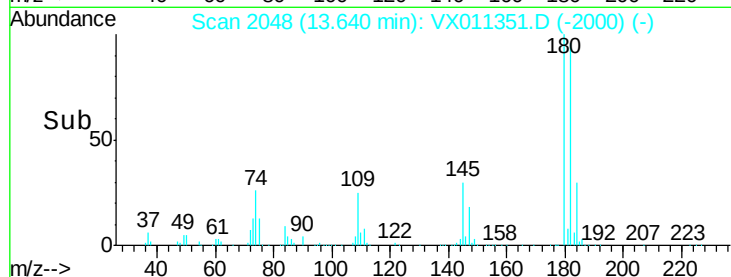
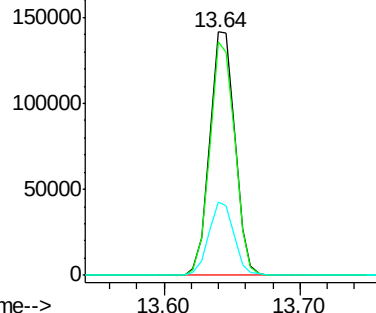
Tot Ion	Ratio	Resp	Lower	Upper
180	100	182863		
182	95.0	47.8	143.4	
145	29.7	14.8	44.3	

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 11:25:46 AM

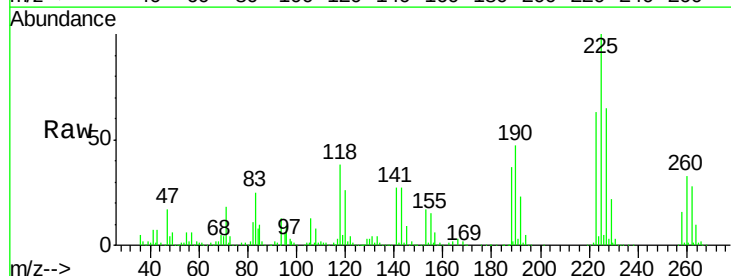


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

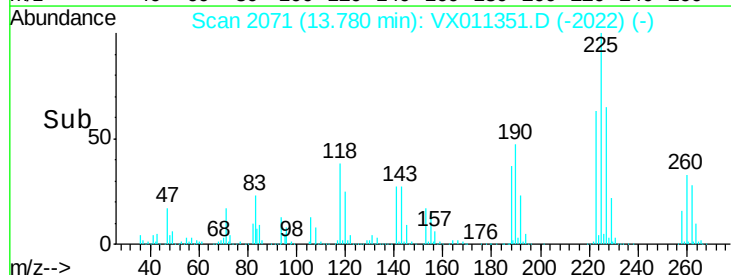
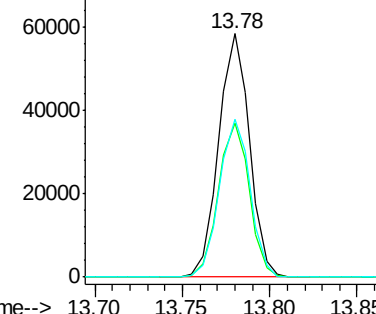


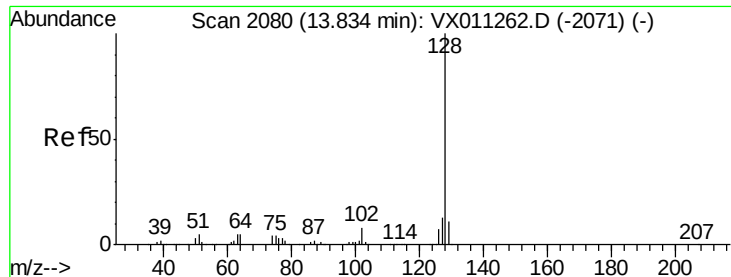
#94
 Hexachlorobutadiene
 Concen: 39.471 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011351.D
 Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71425		
223	63.3	31.0	93.0	
227	64.9	32.2	96.6	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





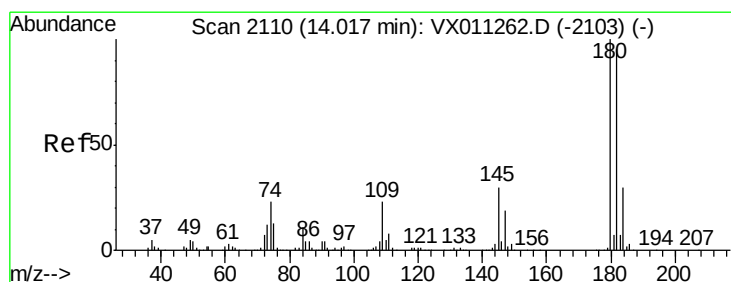
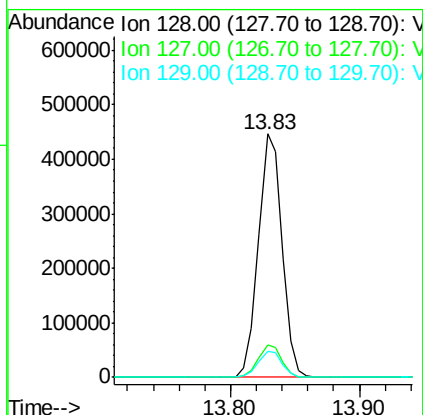
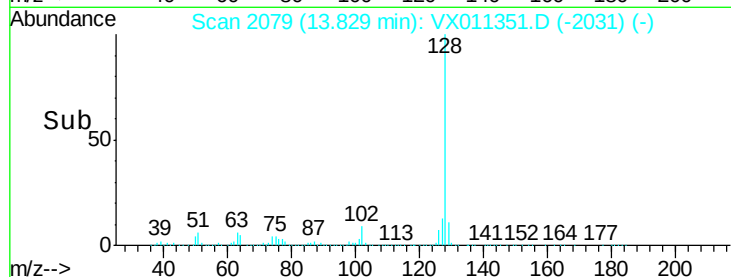
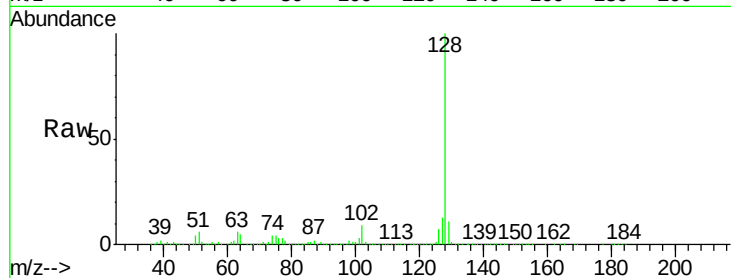
#95
Naphthalene
Concen: 53.687 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.9	13.3

Manual Integrations
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8/7/2019 11:25:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.045 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011351.D
Acq: 06 Aug 2019 16:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.3
145	33.7	15.2	45.6

