

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042121\
 Data File : VX021785.D
 Acq On : 21 Apr 2021 12:24
 Operator : JC/MD
 Sample : M2090-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Apr 22 08:55:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

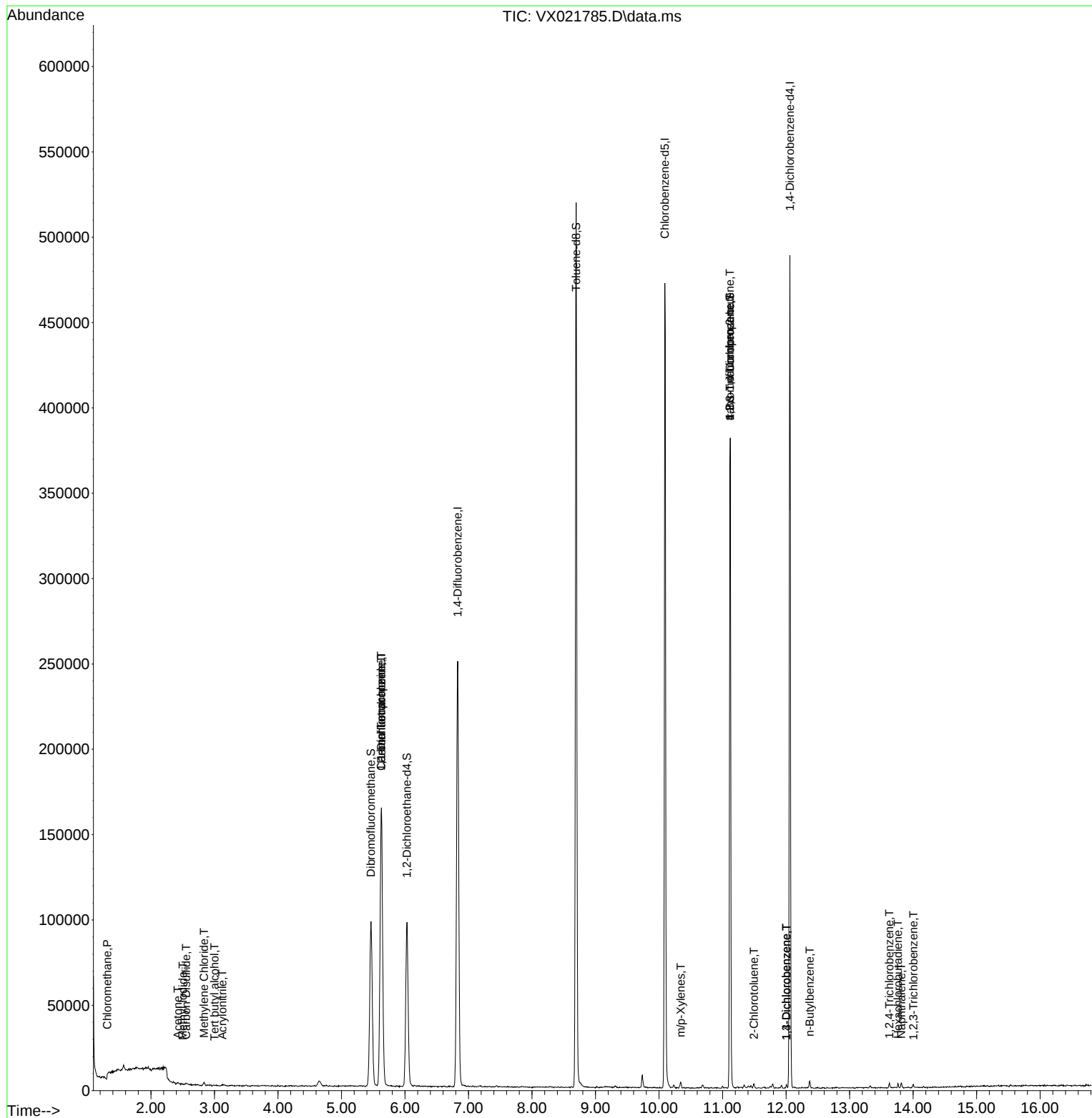
Internal Standards						
1) Pentafluorobenzene	5.629	168	163092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	272573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	237264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	104875	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	90048	48.67	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.34%
35) Dibromofluoromethane	5.464	113	85341	48.96	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.92%
50) Toluene-d8	8.695	98	320618	47.84	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.68%
62) 4-Bromofluorobenzene	11.116	95	110153	44.01	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.02%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	1831	1.18	ug/l	93
10) Methyl Iodide	2.501	142	155	8.25	ug/l #	42
11) Tert butyl alcohol	3.001	59	83	0.20	ug/l #	1
15) Acrylonitrile	3.123	53	252	0.31	ug/l #	64
16) Acetone	2.422	43	704	1.11	ug/l	90
17) Carbon Disulfide	2.556	76	1118	0.26	ug/l	95
20) Methylene Chloride	2.837	84	773	0.41	ug/l #	83
36) 1,1-Dichloropropene	5.623	75	10900	4.53	ug/l #	50
38) Carbon Tetrachloride	5.623	117	15171	5.76	ug/l #	17
68) m/p-Xylenes	10.341	106	940	0.29	ug/l	98
76) 1,2,3-Trichloropropane	11.116	75	50341	24.21	ug/l #	39
79) 2-Chlorotoluene	11.494	91	1035	0.22	ug/l	82
81) trans-1,4-Dichloro-2-b...	11.116	75	50341	55.66	ug/l #	12
87) 1,3-Dichlorobenzene	12.006	146	709	0.21	ug/l	88
88) 1,4-Dichlorobenzene	12.006	146	709	0.21	ug/l	89
89) n-Butylbenzene	12.372	91	1618	0.28	ug/l	92
93) 1,2,4-Trichlorobenzene	13.627	180	725	0.31	ug/l	96
94) Hexachlorobutadiene	13.762	225	425	0.37	ug/l	92
95) Naphthalene	13.816	128	1932	0.27	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.005	180	588	0.26	ug/l	95

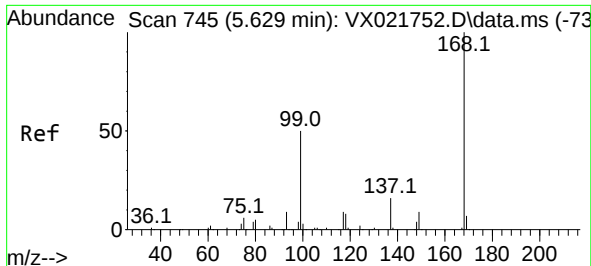
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
Quant Title : SW846 8260
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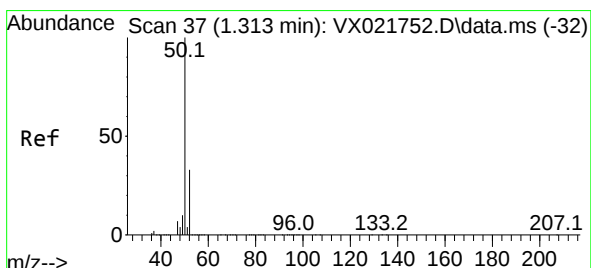
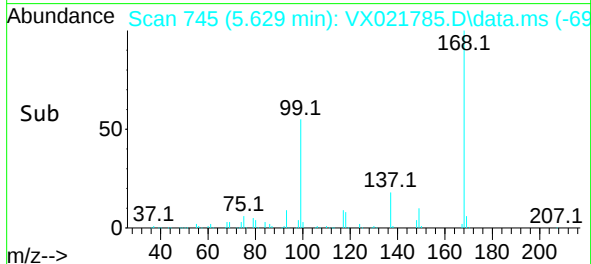
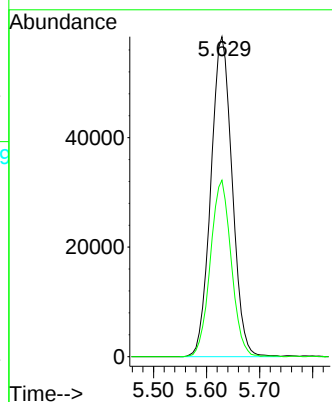
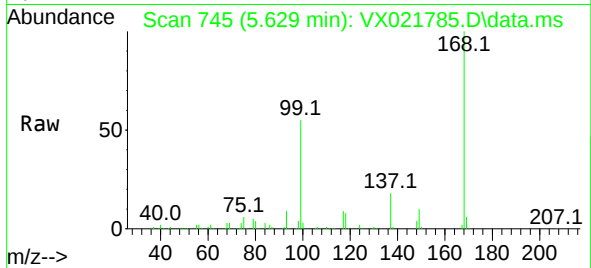




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

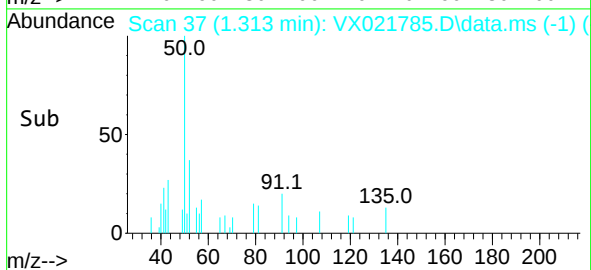
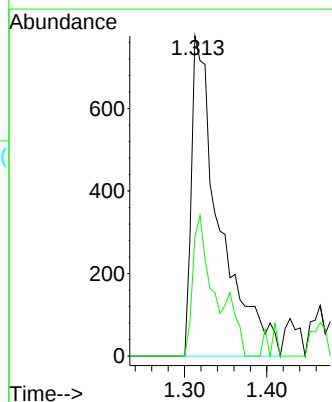
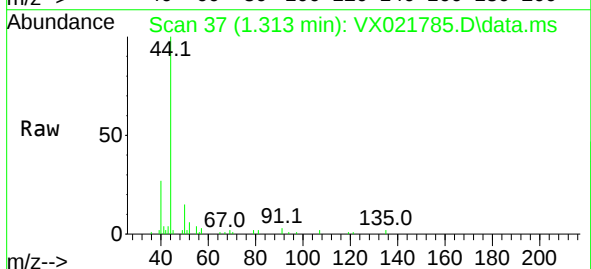
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

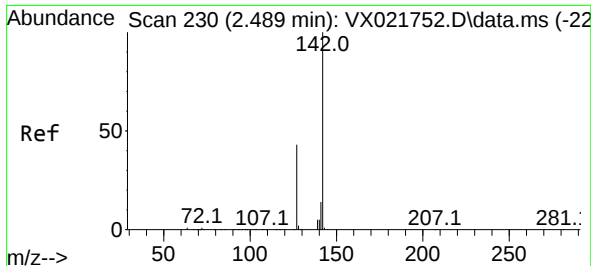
Tgt Ion:168 Resp: 163092
Ion Ratio Lower Upper
168 100
99 55.2 45.8 68.6



#3
Chloromethane
Concen: 1.18 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion: 50 Resp: 1831
Ion Ratio Lower Upper
50 100
52 37.1 26.4 39.6

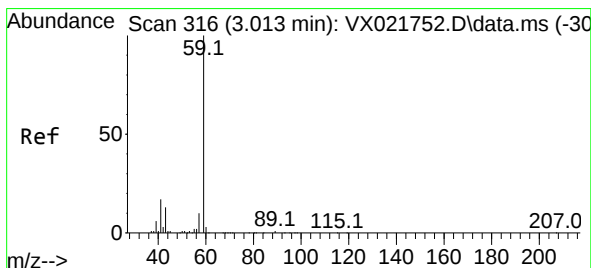
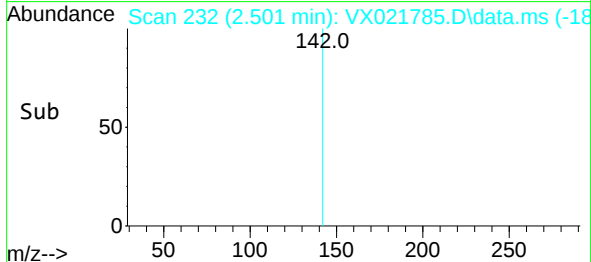
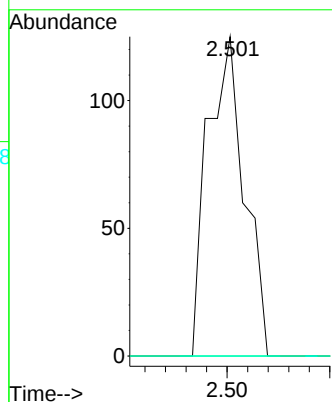
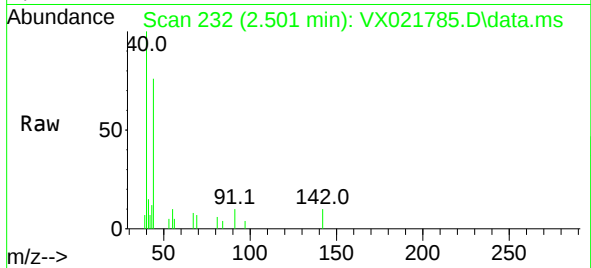




#10
Methyl Iodide
Concen: 8.25 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.012 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

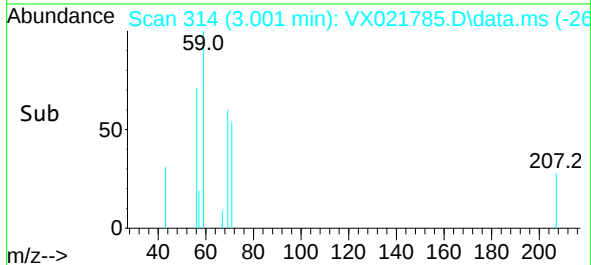
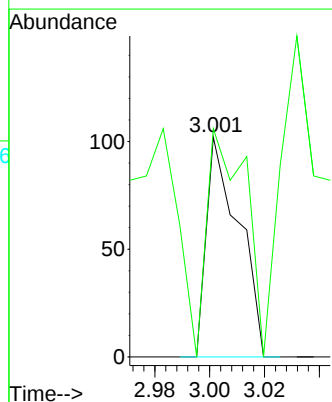
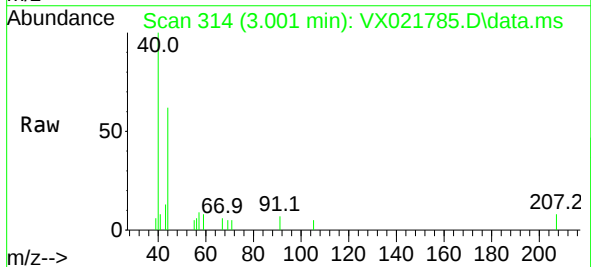
Instrument :
MSVOA_X
ClientSampleId :
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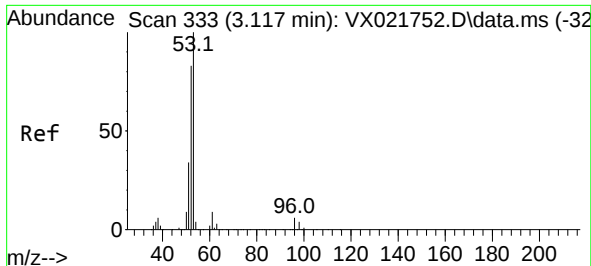
Tgt Ion:142 Resp: 155
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.20 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion: 59 Resp: 83
Ion Ratio Lower Upper
59 100
57 124.1 7.8 11.8#

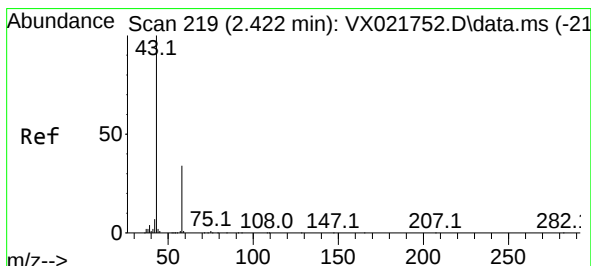
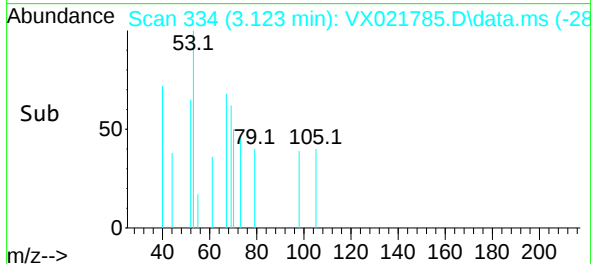
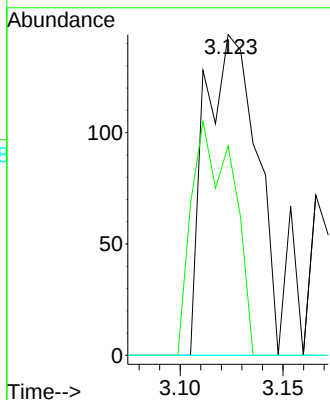
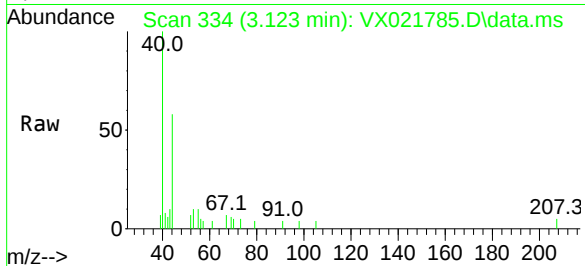




#15
Acrylonitrile
Concen: 0.31 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

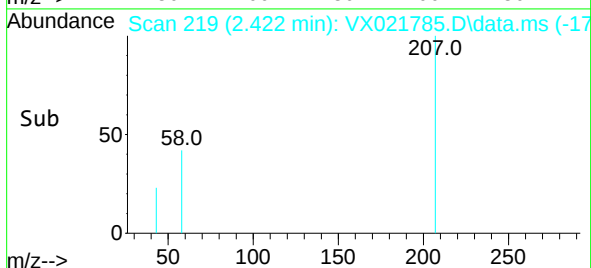
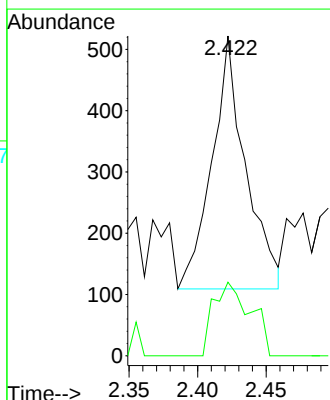
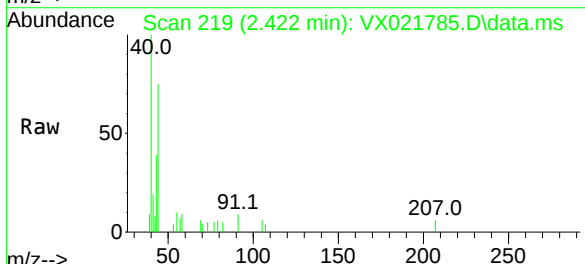
Instrument :
MSVOA_X
ClientSampleId :
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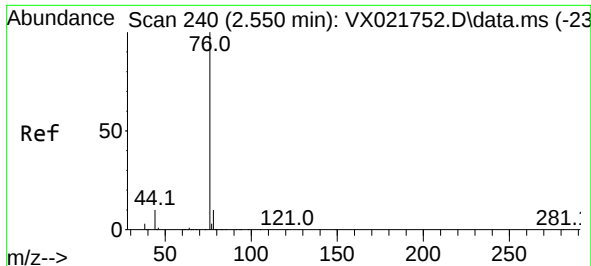
Tgt Ion: 53 Resp: 252
Ion Ratio Lower Upper
53 100
52 58.7 65.3 97.9#
51 0.0 28.2 42.2#



#16
Acetone
Concen: 1.11 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
58 29.1 27.8 41.8

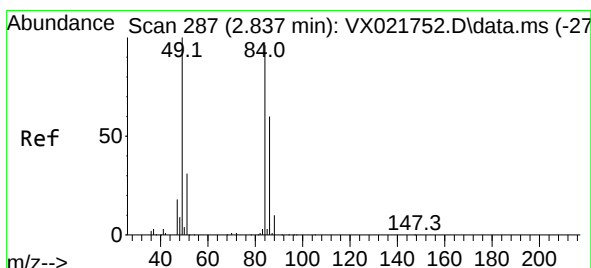
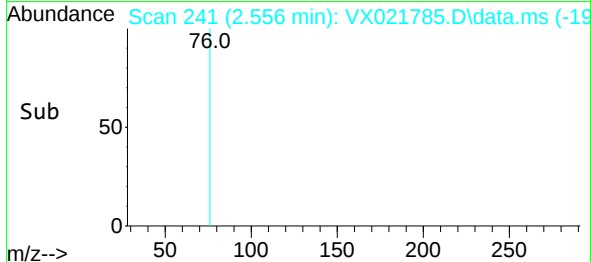
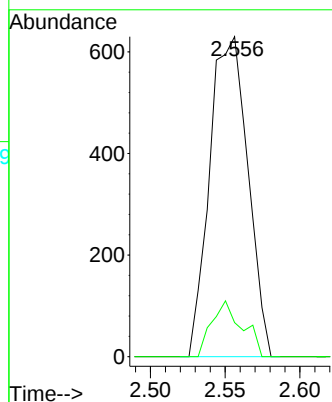
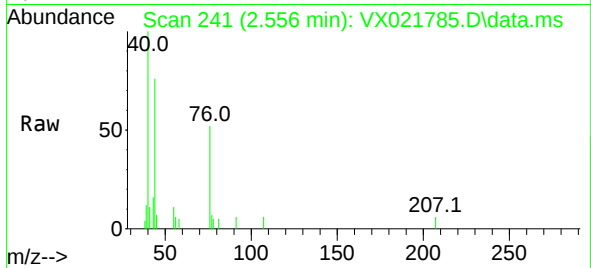




#17
Carbon Disulfide
Concen: 0.26 ug/l
RT: 2.556 min Scan# 241
Delta R.T. 0.006 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

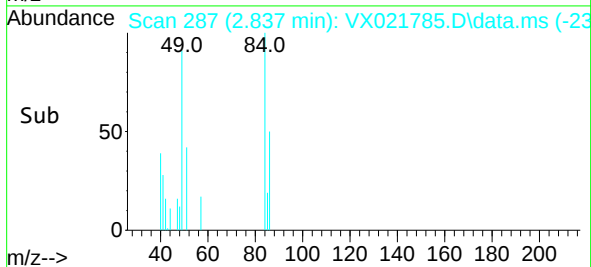
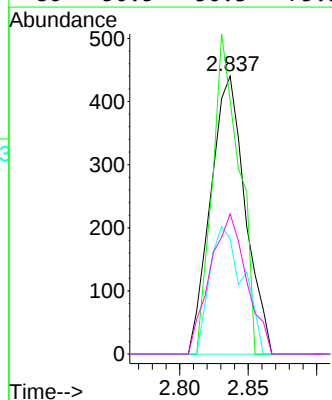
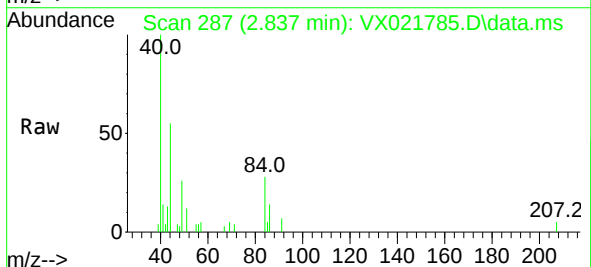
Instrument :
MSVOA_X
ClientSampleId :
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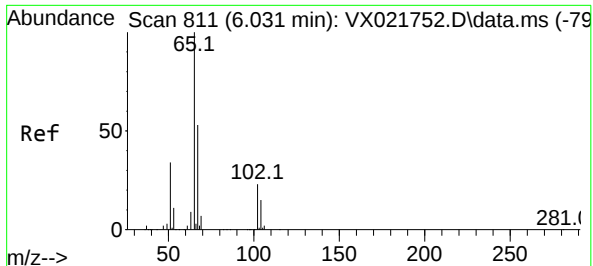
Tgt Ion: 76 Resp: 1118
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8



#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 2.837 min Scan# 287
Delta R.T. -0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion: 84 Resp: 773
Ion Ratio Lower Upper
84 100
49 91.4 88.6 132.8
51 41.6 27.0 40.6#
86 50.5 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 48.67 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX021785.D

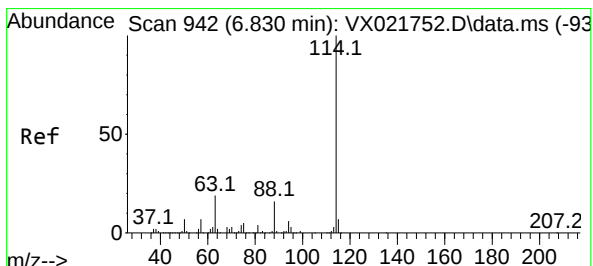
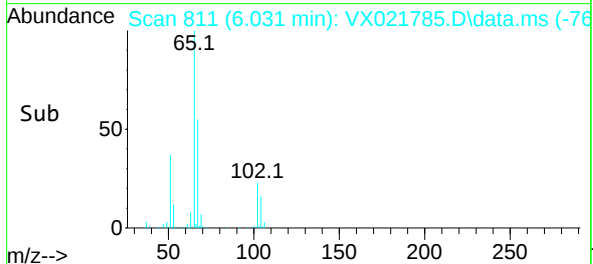
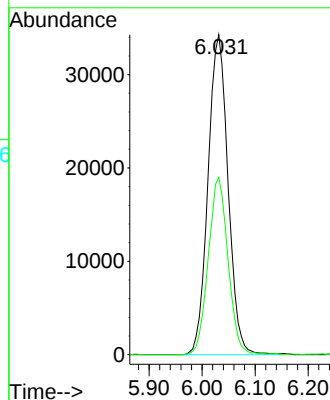
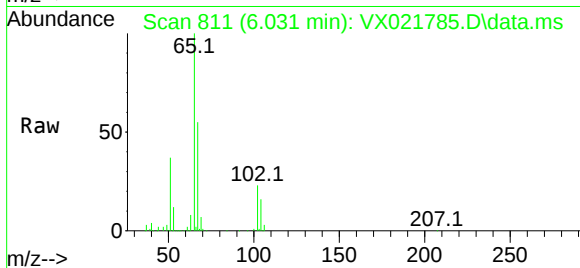
Acq: 21 Apr 2021 12:24

Tgt Ion: 65 Resp: 90048

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. -0.000 min

Lab File: VX021785.D

Acq: 21 Apr 2021 12:24

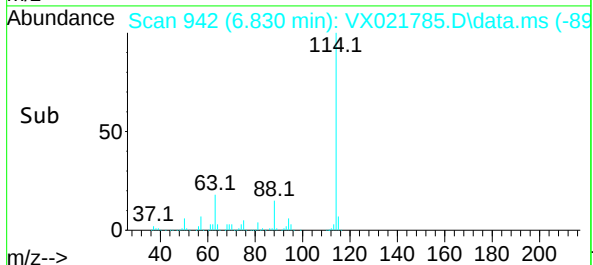
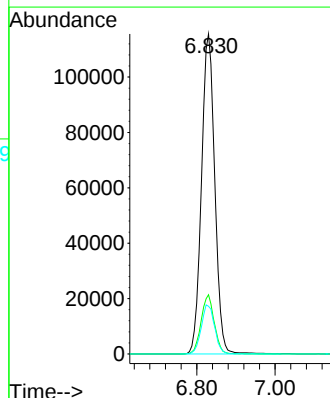
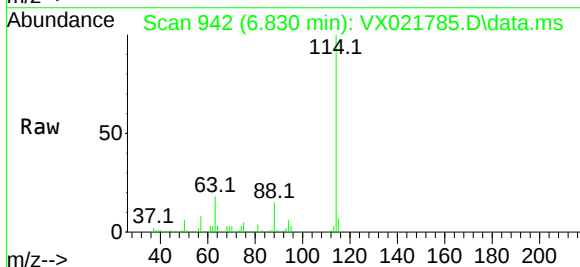
Tgt Ion: 114 Resp: 272573

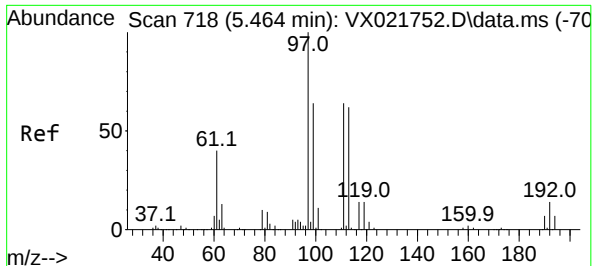
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.8

88 14.9 0.0 32.8

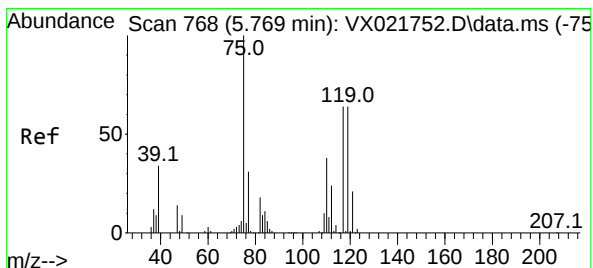
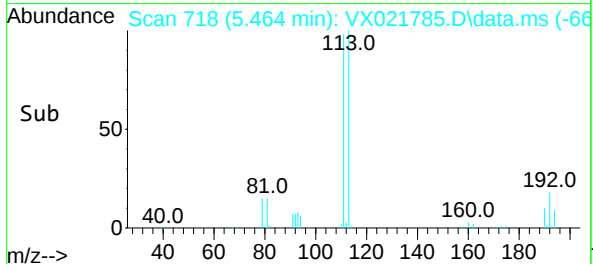
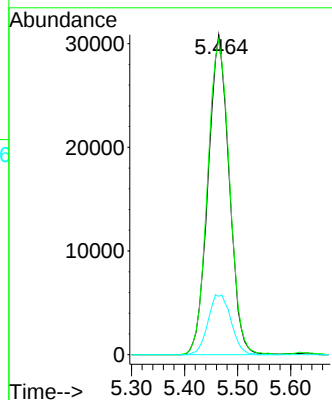
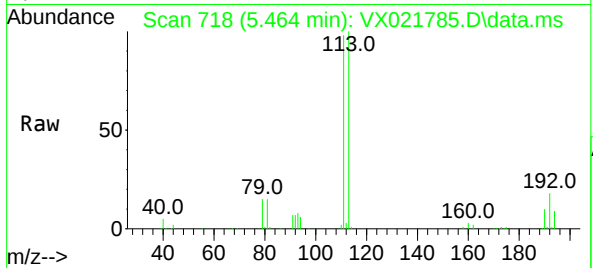




#35
Dibromofluoromethane
Concen: 48.96 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

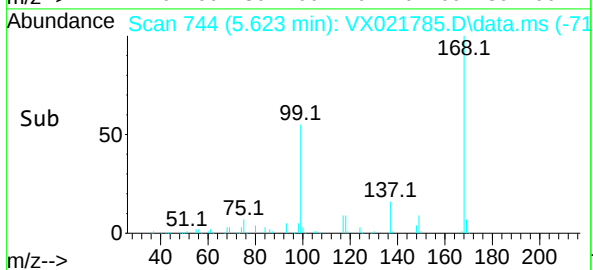
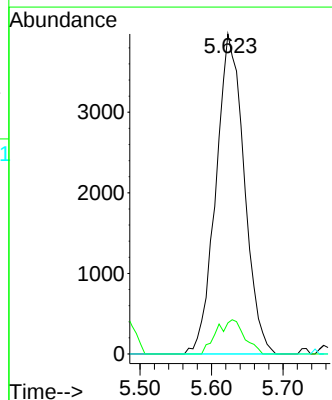
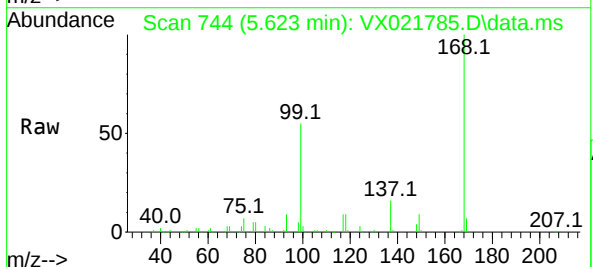
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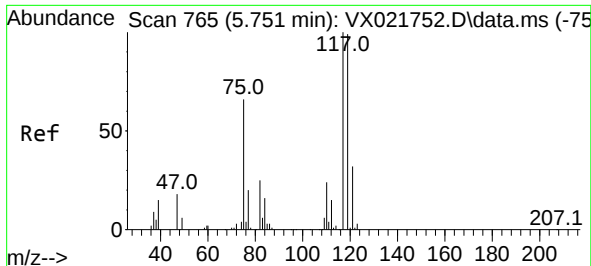
Tgt Ion:113 Resp: 85341
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.53 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

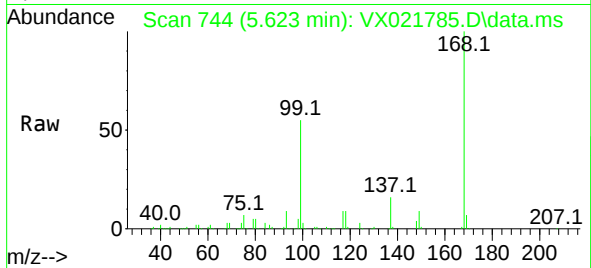
Tgt Ion: 75 Resp: 10900
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.4#
77 0.0 25.3 37.9#



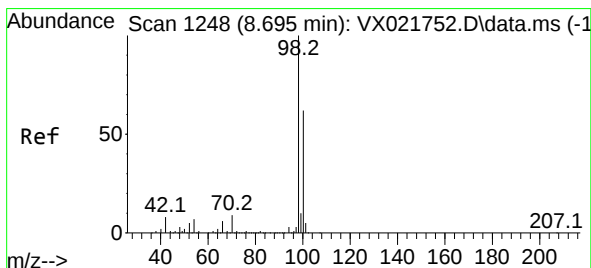
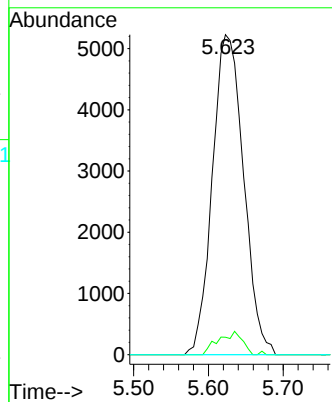
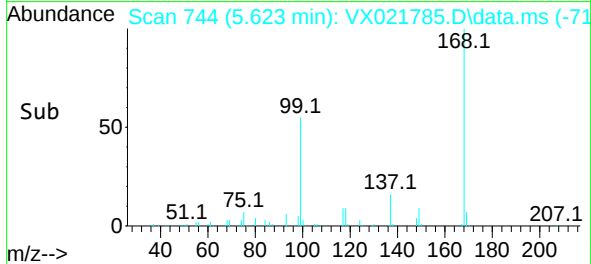


#38
Carbon Tetrachloride
Concen: 5.76 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.128 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

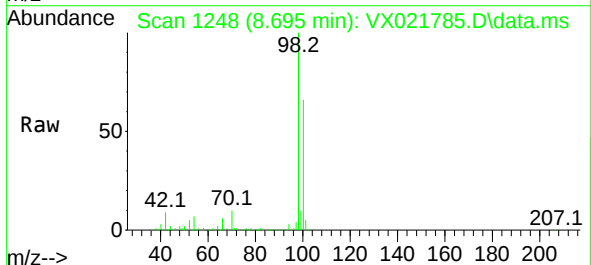
Instrument :
MSVOA_X
ClientSampleId :
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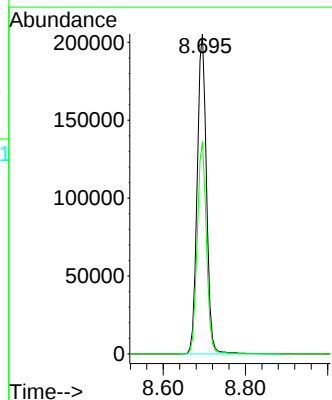
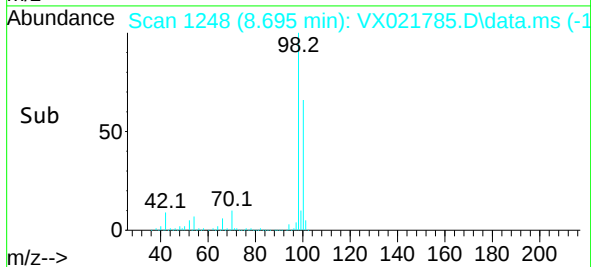
Tgt Ion:117 Resp: 15171
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

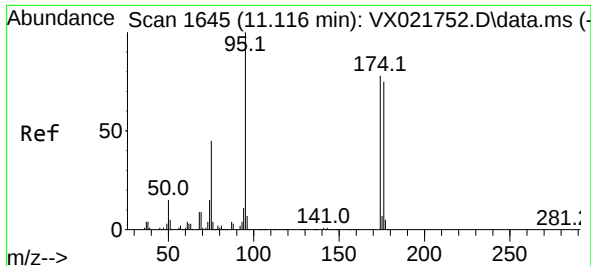


#50
Toluene-d8
Concen: 47.84 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24



Tgt Ion: 98 Resp: 320618
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9

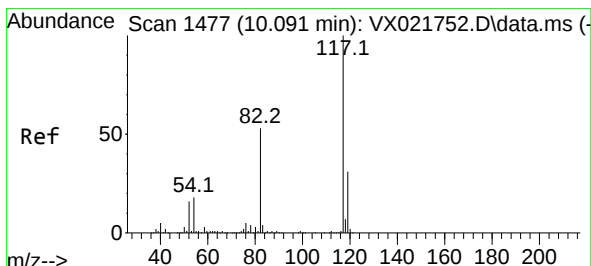
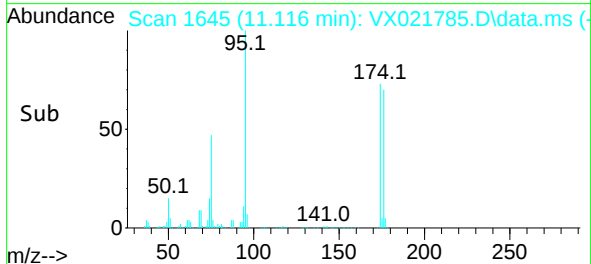
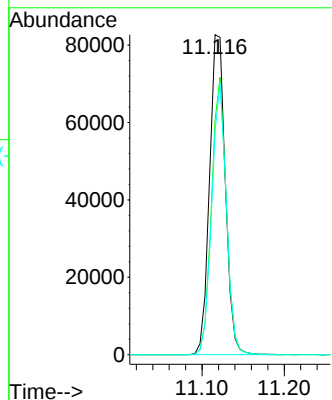
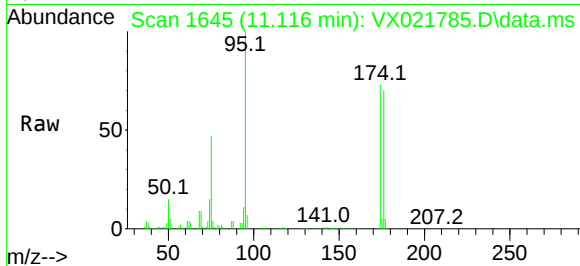




#62
4-Bromofluorobenzene
Concen: 44.01 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

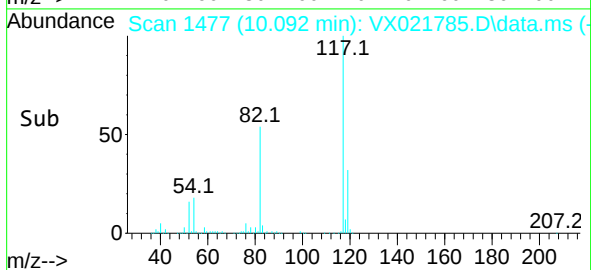
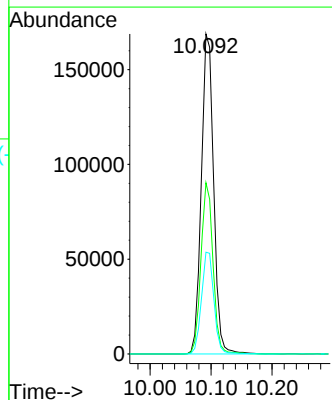
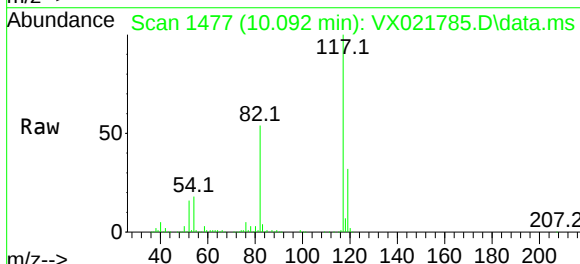
Instrument :
MSVOA_X
ClientSampleId :
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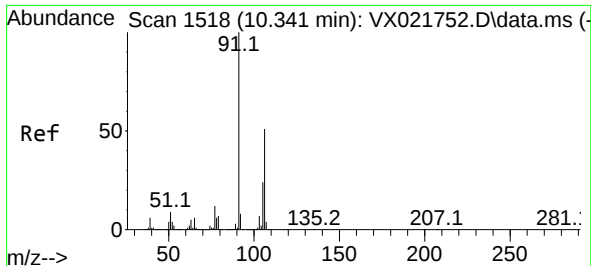
Tgt Ion: 95 Resp: 110153
Ion Ratio Lower Upper
95 100
174 81.1 0.0 154.6
176 79.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion: 117 Resp: 237264
Ion Ratio Lower Upper
117 100
82 53.5 47.4 71.2
119 31.8 26.6 39.8

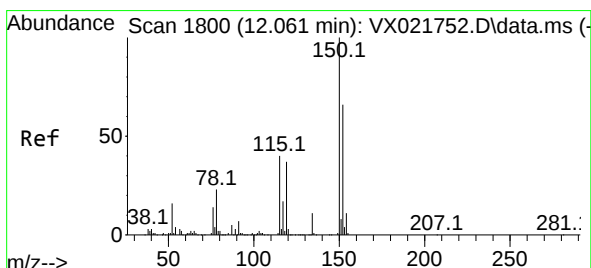
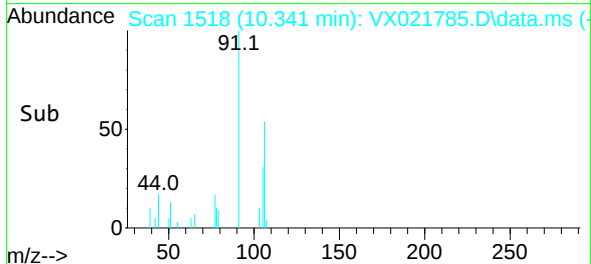
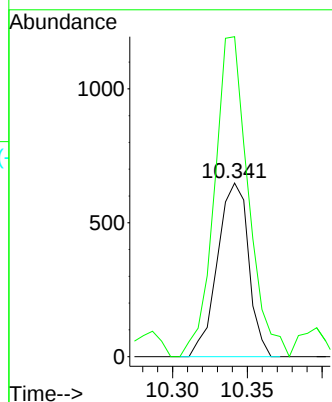
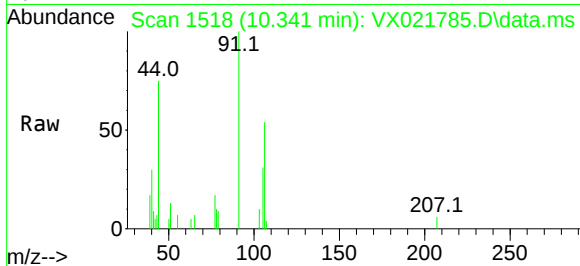




#68
m/p-Xylenes
Concen: 0.29 ug/l
RT: 10.341 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

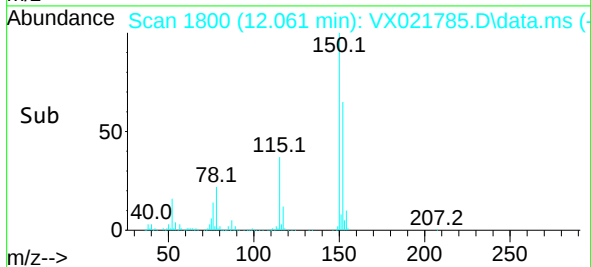
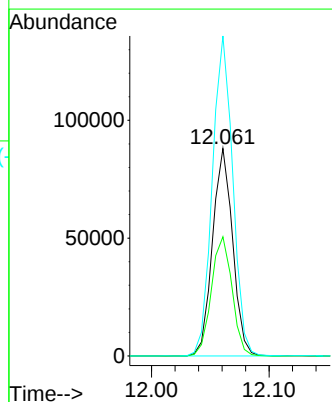
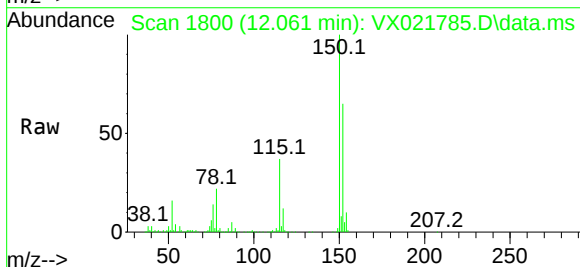
Instrument :
MSVOA_X
ClientSampleId :
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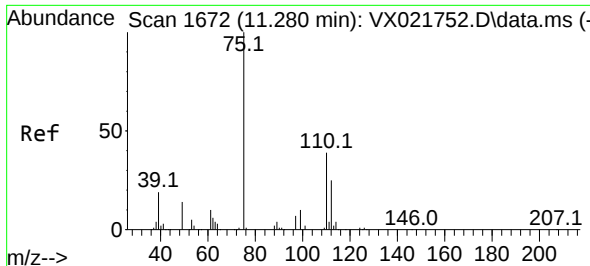
Tgt Ion:106 Resp: 940
Ion Ratio Lower Upper
106 100
91 199.8 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion:152 Resp: 104875
Ion Ratio Lower Upper
152 100
115 59.0 41.1 123.3
150 156.6 0.0 349.0

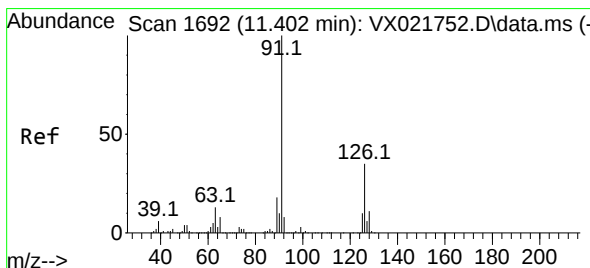
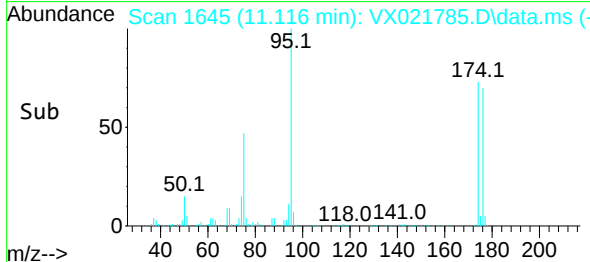
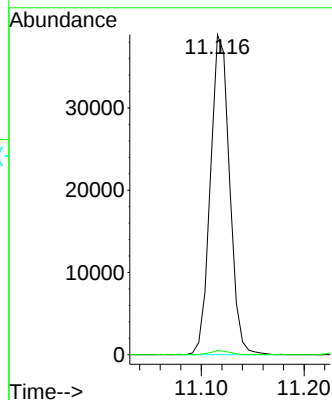
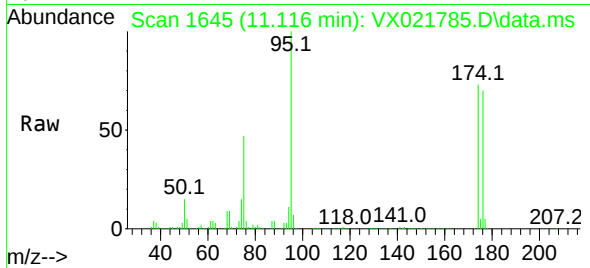




#76
1,2,3-Trichloropropane
Concen: 24.21 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

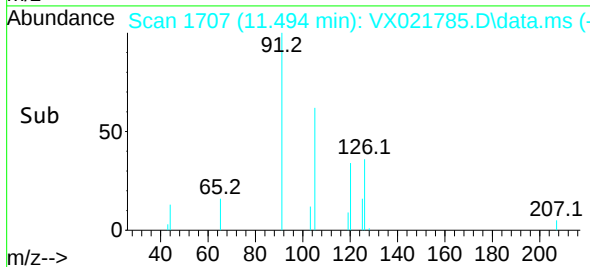
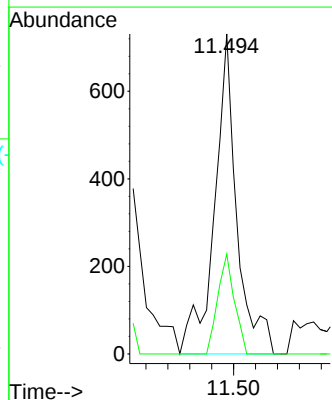
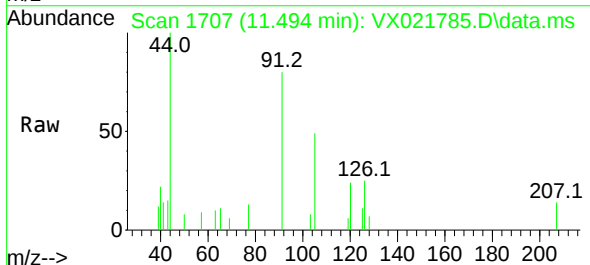
Instrument :
MSVOA_X
ClientSampleId :
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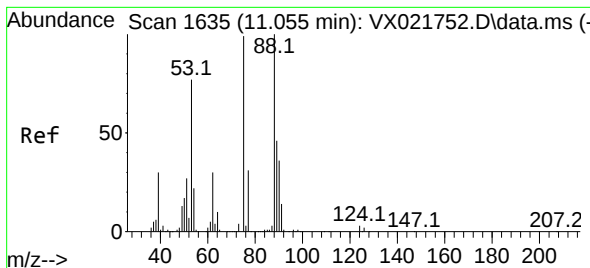
Tgt Ion: 75 Resp: 50341
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#79
2-Chlorotoluene
Concen: 0.22 ug/l
RT: 11.494 min Scan# 1707
Delta R.T. 0.092 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

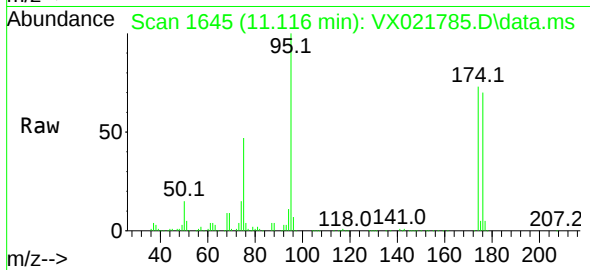
Tgt Ion: 91 Resp: 1035
Ion Ratio Lower Upper
91 100
126 23.2 16.6 49.8



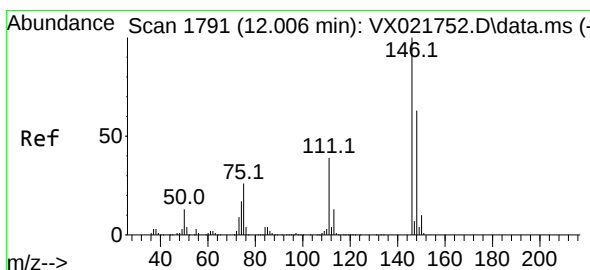
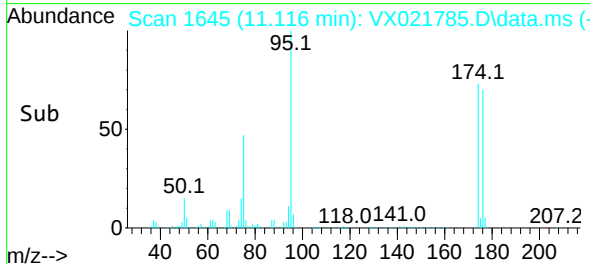
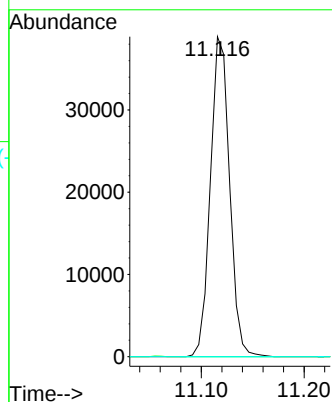


#81
trans-1,4-Dichloro-2-butene
Concen: 55.66 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

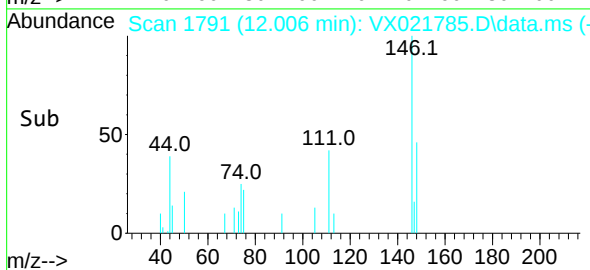
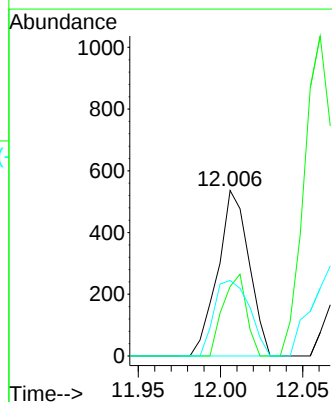
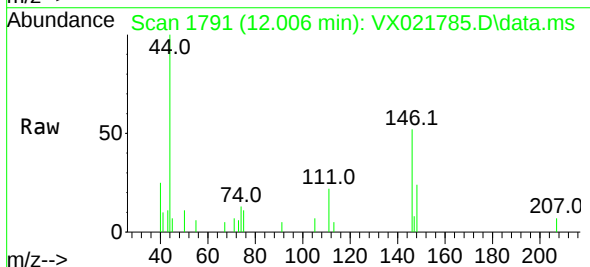


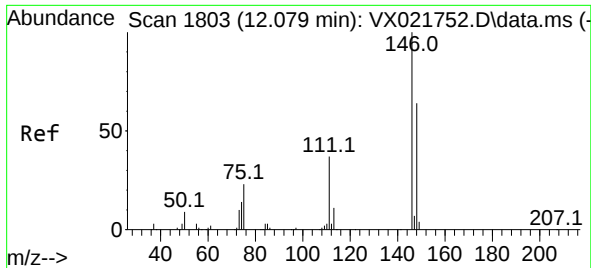
Tgt Ion: 75 Resp: 50341
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.21 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion: 146 Resp: 709
Ion Ratio Lower Upper
146 100
111 36.8 20.2 60.5
148 51.9 31.9 95.7

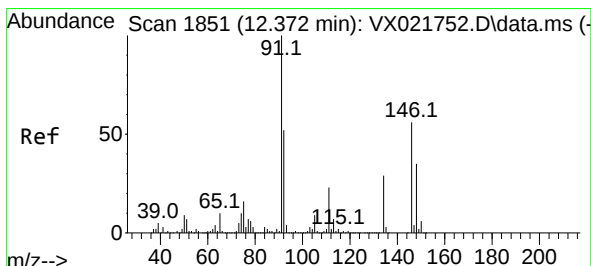
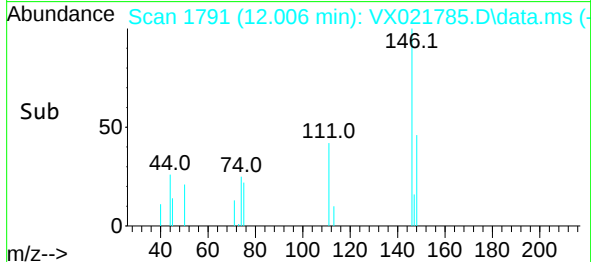
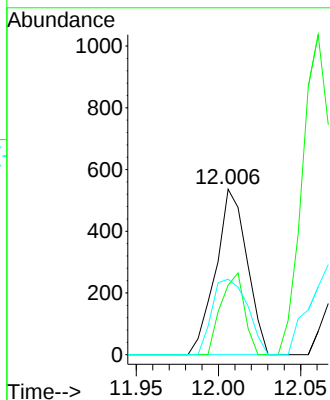
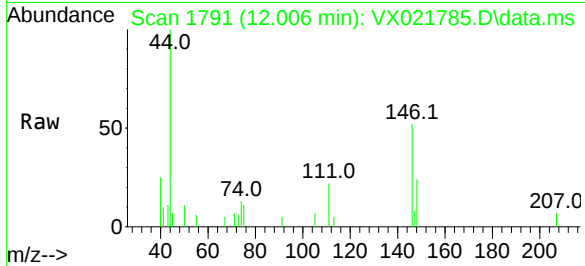




#88
1,4-Dichlorobenzene
Concen: 0.21 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.073 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

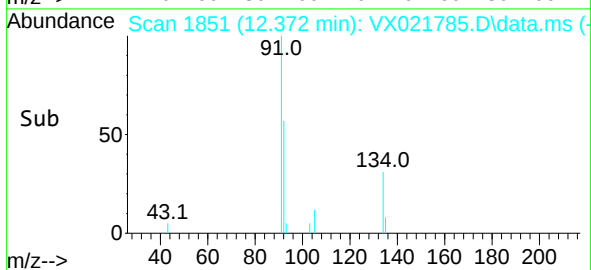
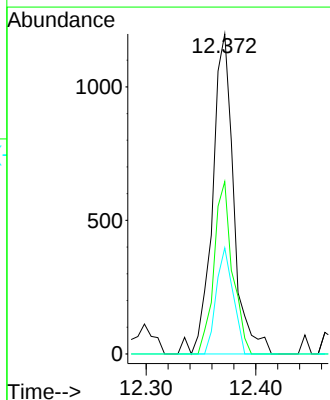
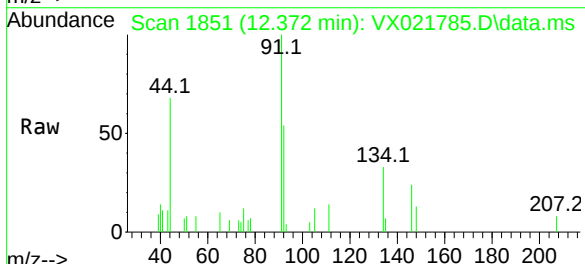
Instrument :
MSVOA_X
ClientSampleId :
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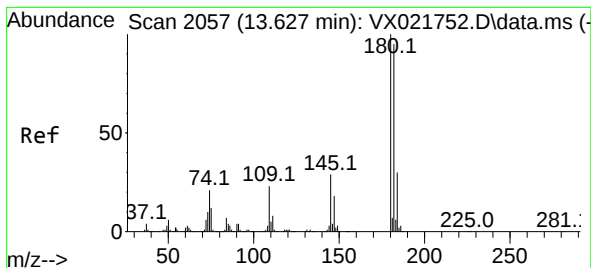
Tgt Ion:146	Resp:	709
Ion	Ratio	Lower Upper
146	100	
111	36.8	19.6 58.8
148	51.9	31.6 95.0



#89
n-Butylbenzene
Concen: 0.28 ug/l
RT: 12.372 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion: 91	Resp:	1618
Ion	Ratio	Lower Upper
91	100	
92	46.7	27.4 82.0
134	26.2	13.2 39.5

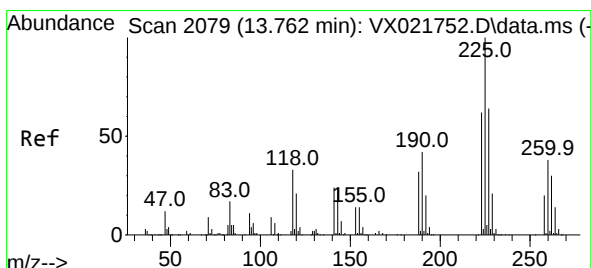
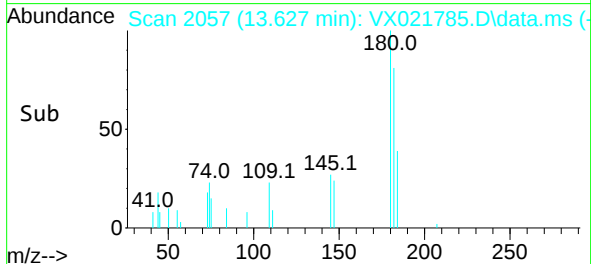
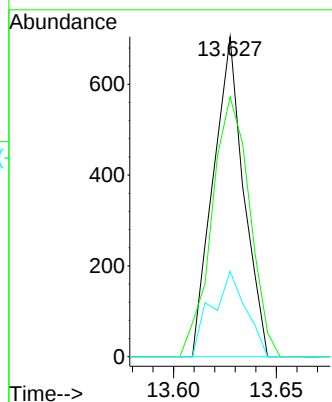
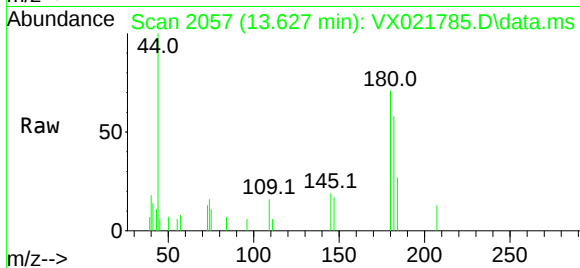




#93
1,2,4-Trichlorobenzene
Concen: 0.31 ug/l
RT: 13.627 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

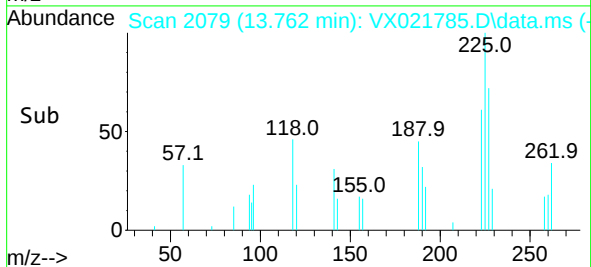
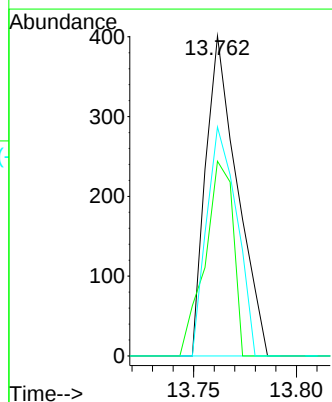
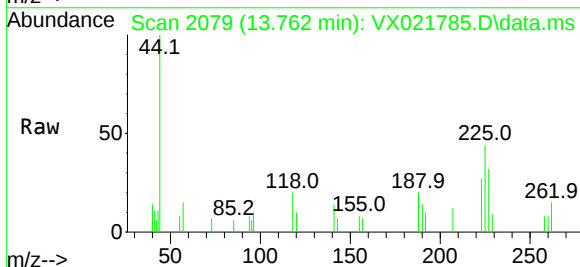
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ClientSampleId :
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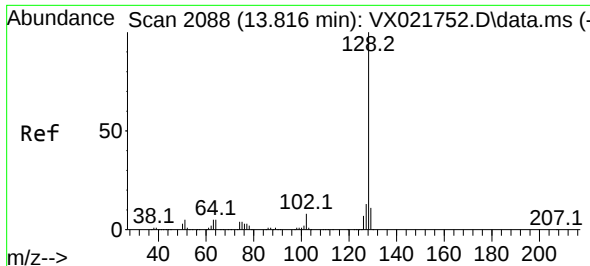
Tgt Ion:	180	Resp:	725
Ion	Ratio	Lower	Upper
180	100		
182	101.0	47.7	143.1
145	30.1	15.0	45.0



#94
Hexachlorobutadiene
Concen: 0.37 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion:	225	Resp:	425
Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.1	93.2
227	68.9	31.6	95.0

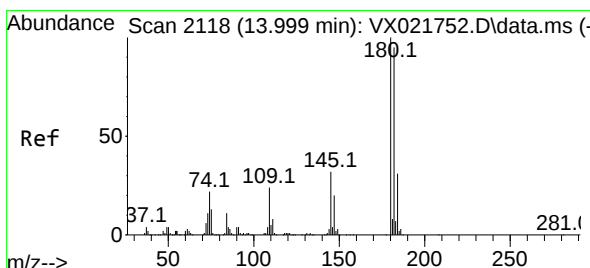
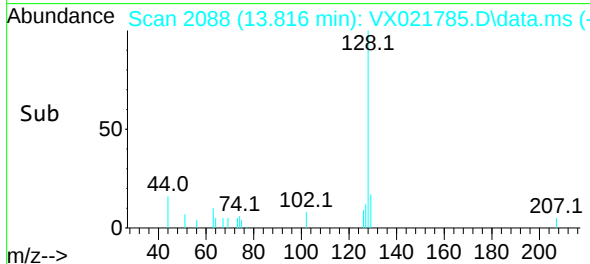
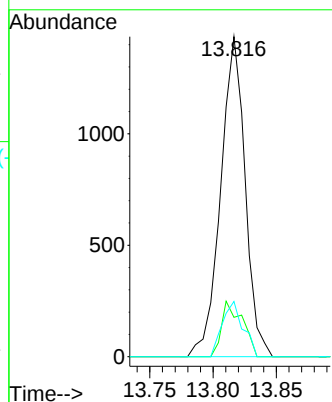
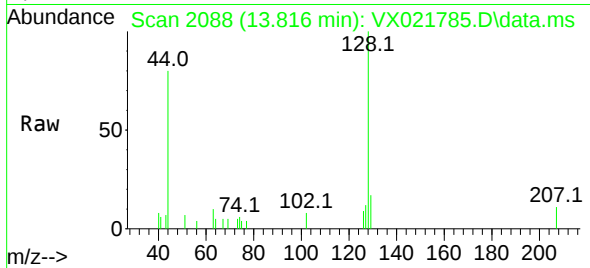




#95
Naphthalene
Concen: 0.27 ug/l
RT: 13.816 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:128 Resp: 1932
Ion Ratio Lower Upper
128 100
127 14.7 10.3 15.5
129 14.6 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.26 ug/l
RT: 14.005 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VX021785.D
Acq: 21 Apr 2021 12:24

Tgt Ion:180 Resp: 588
Ion Ratio Lower Upper
180 100
182 99.3 47.6 142.9
145 27.4 16.1 48.3

