

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052721\
 Data File : VX022197.D
 Acq On : 26 May 2021 15:07
 Operator : JC/MD
 Sample : M2526-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20210525

Quant Time: May 27 04:06:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	66020	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	136452	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	119601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46801	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	53077	52.12	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.24%
35) Dibromofluoromethane	5.404	113	41758	48.26	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.52%
50) Toluene-d8	8.653	98	165453	49.64	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.28%
62) 4-Bromofluorobenzene	11.085	95	59136	48.00	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.00%

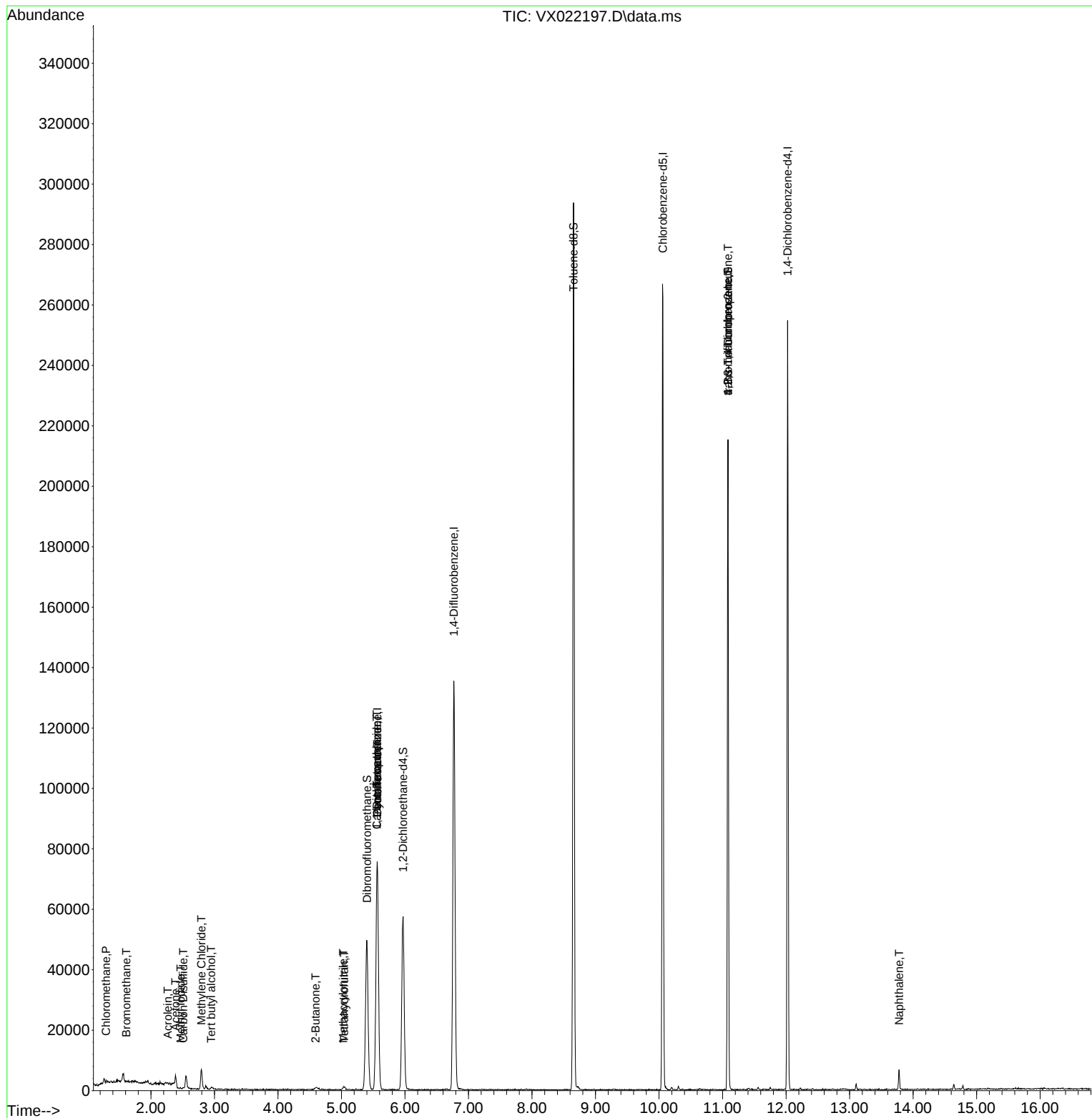
Target Compounds						Qvalue
3) Chloromethane	1.295	50	189	0.22	ug/l	# 83
5) Bromomethane	1.612	94	203	0.38	ug/l	94
10) Methyl Iodide	2.465	142	194	0.23	ug/l	# 86
11) Tert butyl alcohol	2.947	59	505	2.17	ug/l	# 73
13) Acrolein	2.264	56	83	0.54	ug/l	# 1
16) Acetone	2.386	43	4169	9.40	ug/l	100
17) Carbon Disulfide	2.508	76	407	0.21	ug/l	# 75
20) Methylene Chloride	2.794	84	2757	2.80	ug/l	# 90
25) 2-Butanone	4.593	43	206	0.29	ug/l	# 45
29) Tetrahydrofuran	5.044	42	905	2.12	ug/l	# 55
31) Cyclohexane	5.562	56	2007	1.57	ug/l	# 26
36) 1,1-Dichloropropene	5.556	75	6344	5.03	ug/l	# 48
38) Carbon Tetrachloride	5.556	117	7311	5.92	ug/l	# 14
41) Methacrylonitrile	5.026	41	577	0.70	ug/l	# 41
76) 1,2,3-Trichloropropane	11.085	75	29945	25.94	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	29945	61.45	ug/l	# 12
95) Naphthalene	13.780	128	3990	1.09	ug/l	100

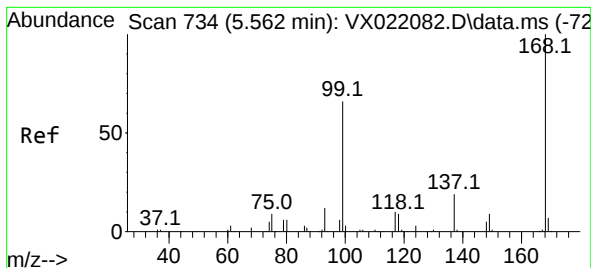
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 27 04:06:03 2021
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.000 min

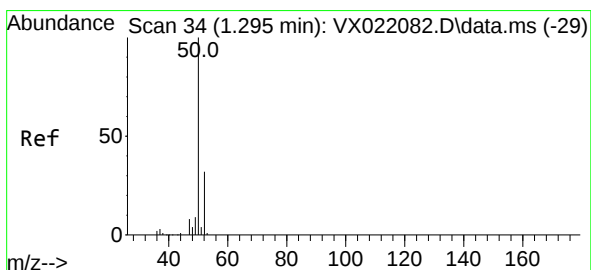
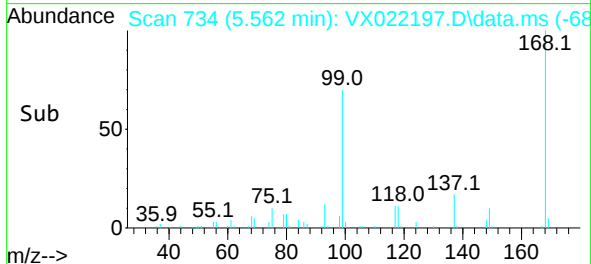
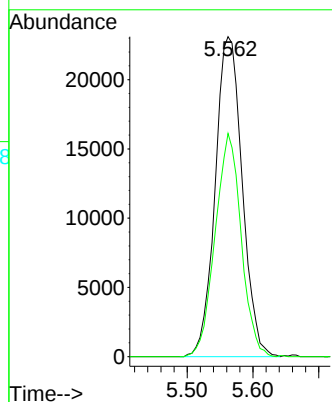
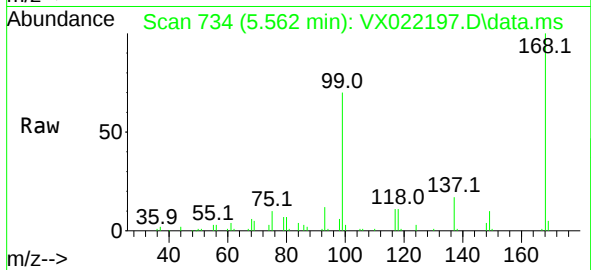
Lab File: VX022197.D

Acq: 26 May 2021 15:07

Tgt Ion:168 Resp: 66020

Ion Ratio Lower Upper

168 100
99 69.7 45.8 68.6#



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

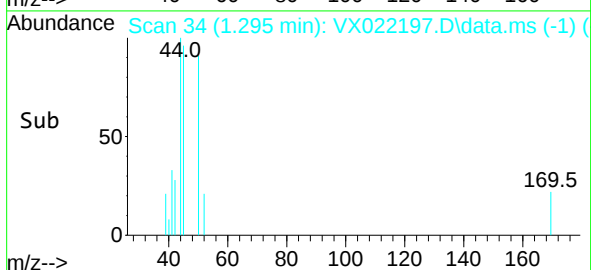
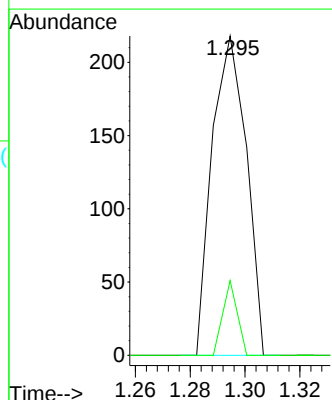
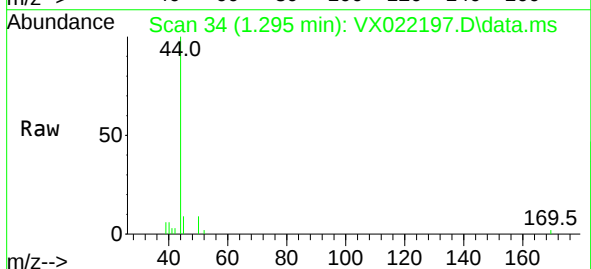
Lab File: VX022197.D

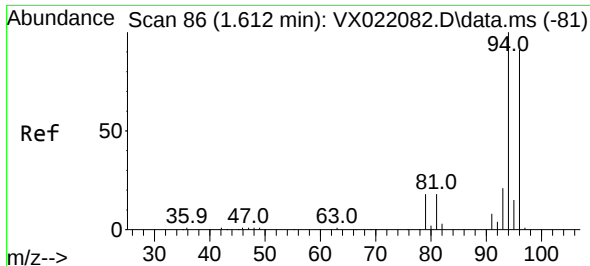
Acq: 26 May 2021 15:07

Tgt Ion: 50 Resp: 189

Ion Ratio Lower Upper

50 100
52 23.4 26.4 39.6#

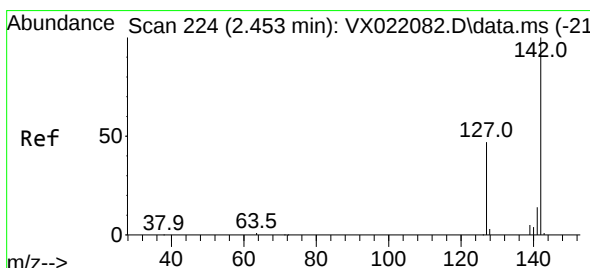
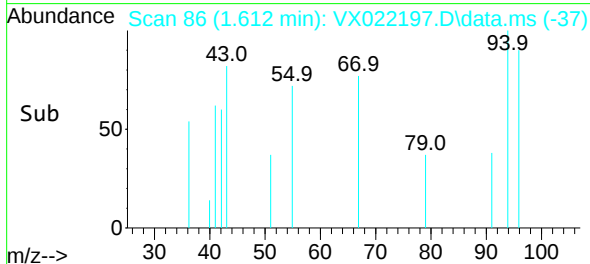
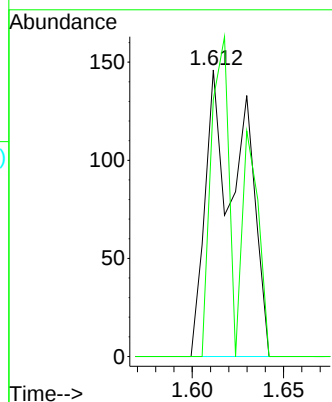
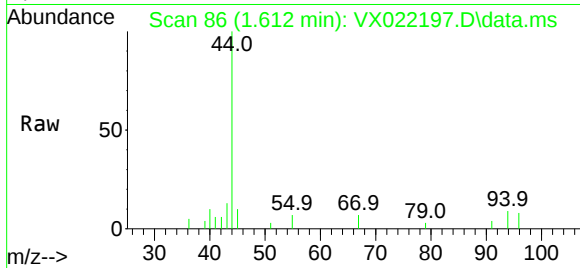




#5
Bromomethane
Concen: 0.38 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

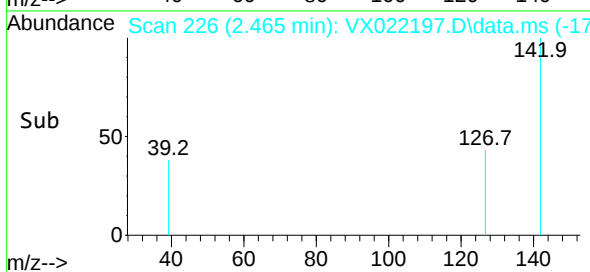
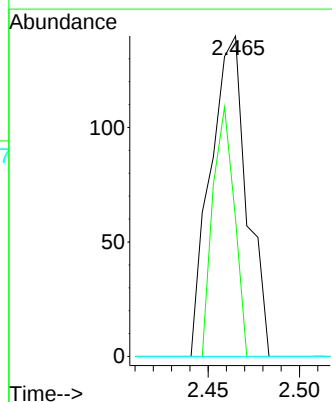
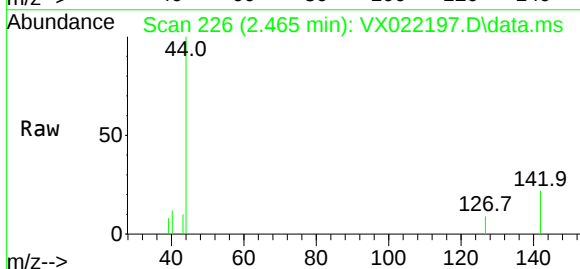
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210525

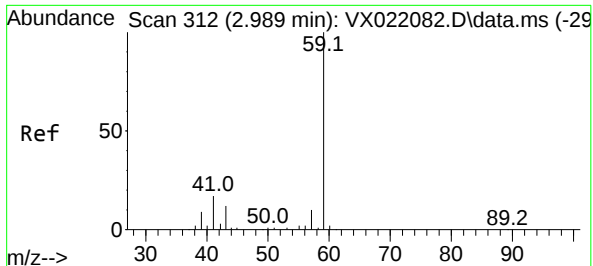
Tgt Ion: 94 Resp: 203
Ion Ratio Lower Upper
94 100
96 89.7 76.4 114.6



#10
Methyl Iodide
Concen: 0.23 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

Tgt Ion: 142 Resp: 194
Ion Ratio Lower Upper
142 100
127 45.9 33.3 49.9
141 0.0 11.4 17.0#



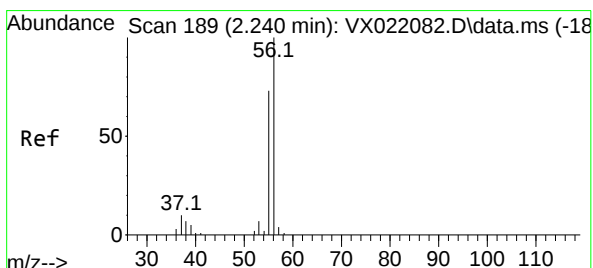
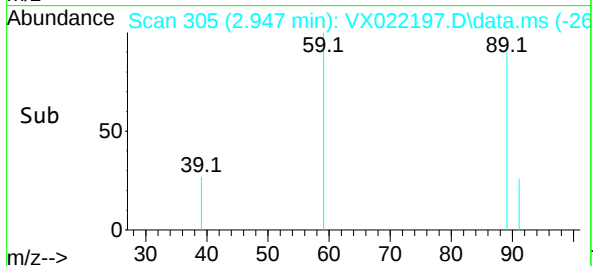
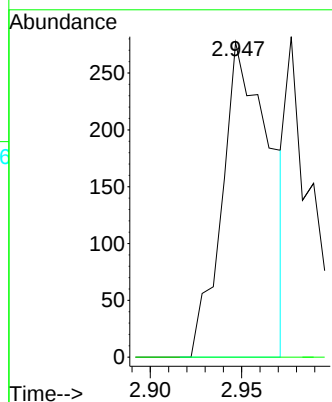
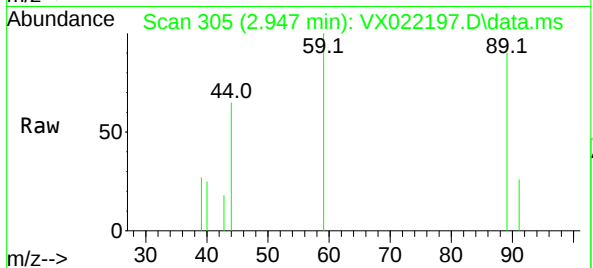


#11

Tert butyl alcohol
Concen: 2.17 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

Instrument :
MSVOA_X
ClientSampleId :
FB01-20210525

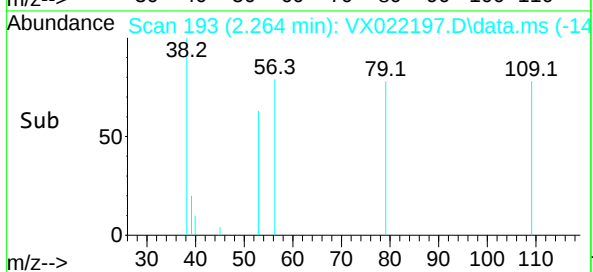
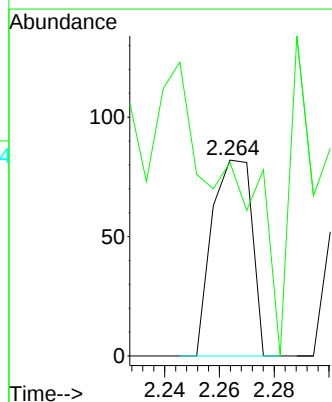
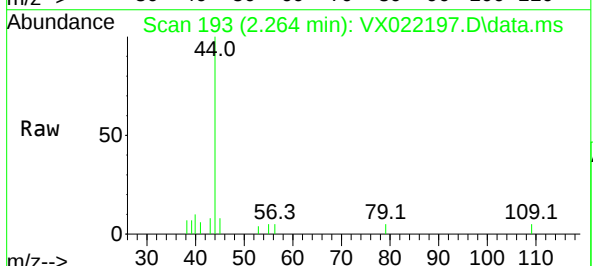
Tgt Ion: 59 Resp: 505
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

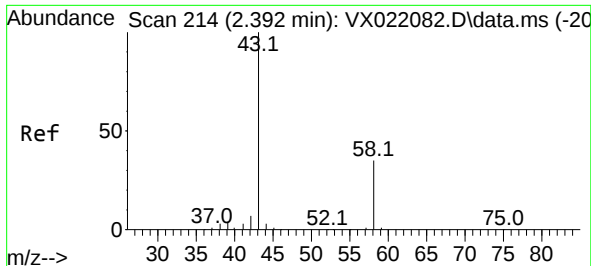


#13

Acrolein
Concen: 0.54 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.024 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 281.9 56.4 84.6#

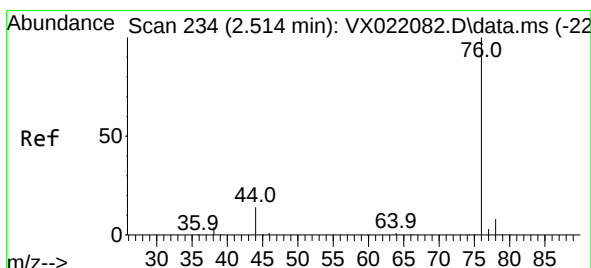
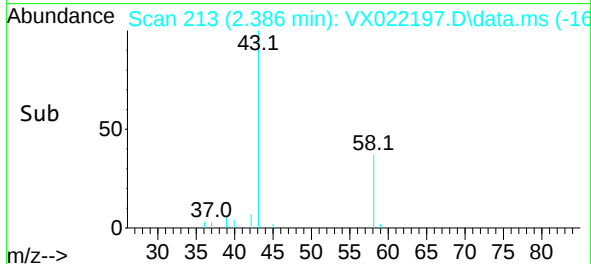
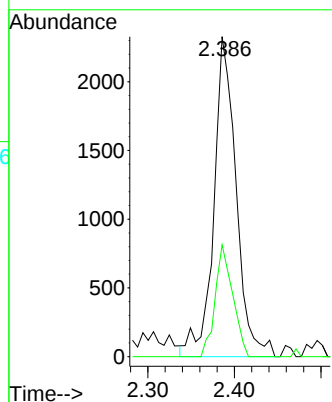
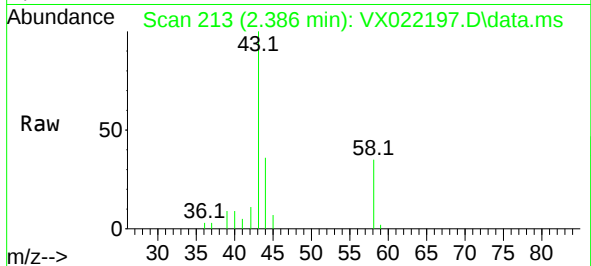




#16
Acetone
Concen: 9.40 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

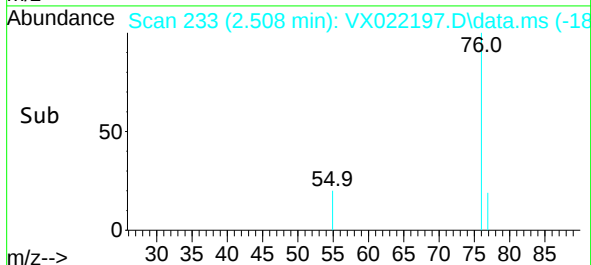
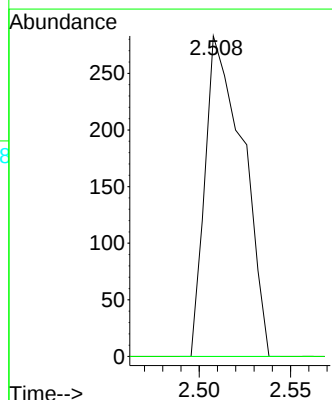
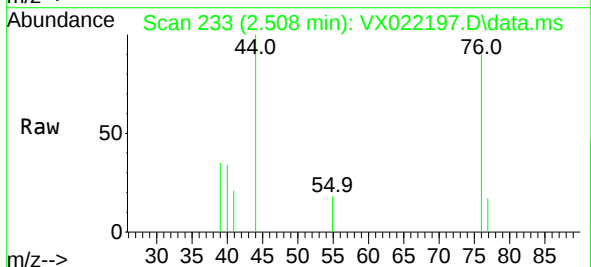
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210525

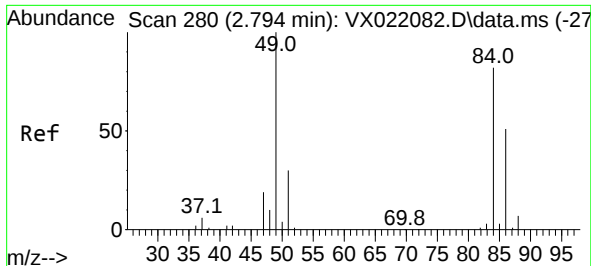
Tgt Ion: 43 Resp: 4169
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.8



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

Tgt Ion: 76 Resp: 407
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

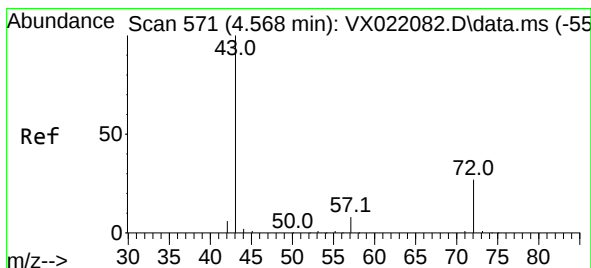
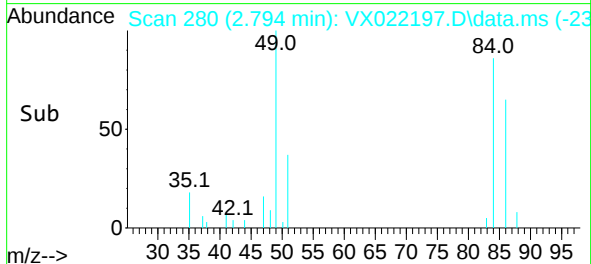
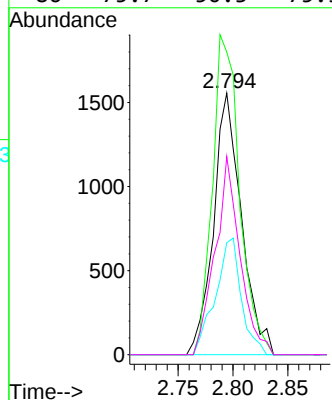
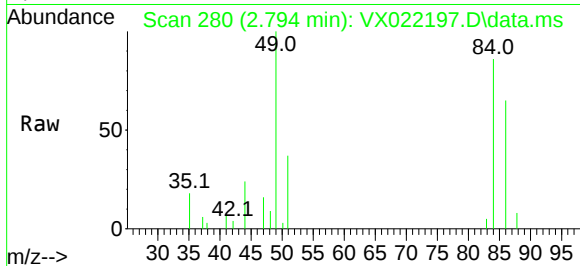




#20
Methylene Chloride
Concen: 2.80 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

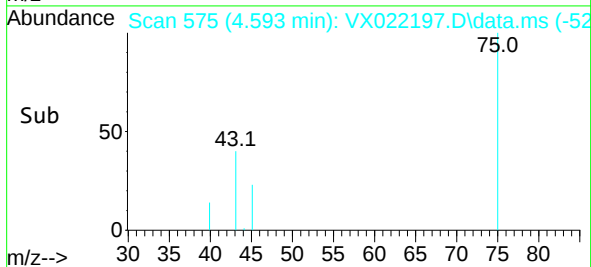
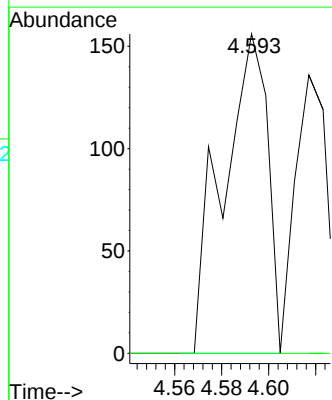
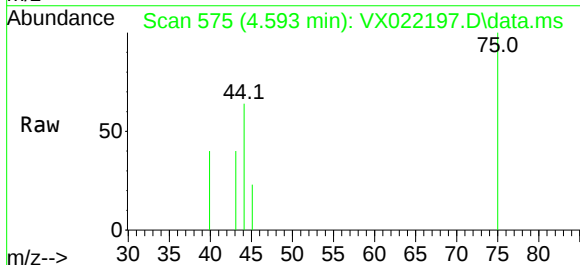
Instrument :
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ClientSampleId :
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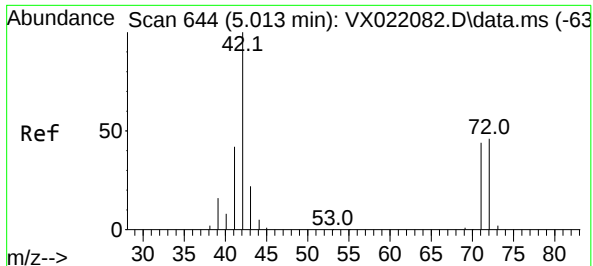
Tgt Ion:	84	Resp:	2757
Ion	Ratio	Lower	Upper
84	100		
49	115.6	88.6	132.8
51	42.8	27.0	40.6#
86	75.7	50.3	75.5#



#25
2-Butanone
Concen: 0.29 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

Tgt Ion:	43	Resp:	206
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 2.12 ug/l

RT: 5.044 min Scan# 649

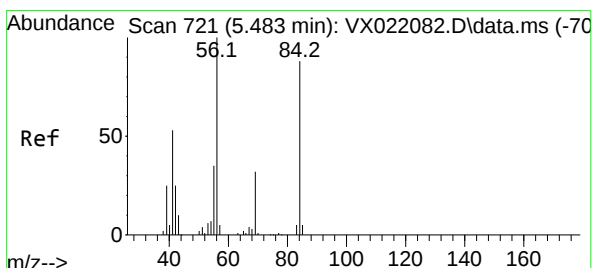
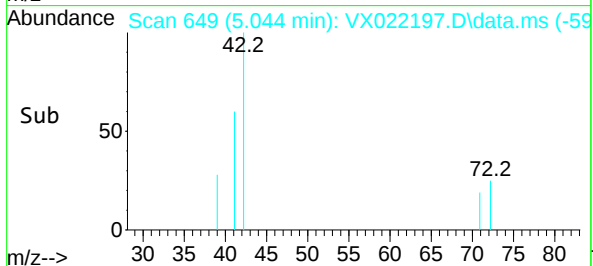
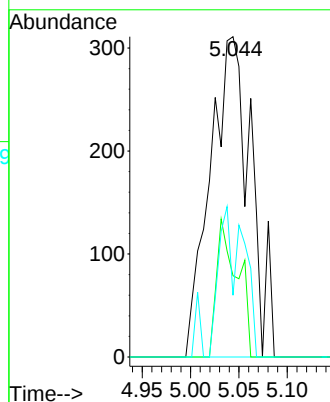
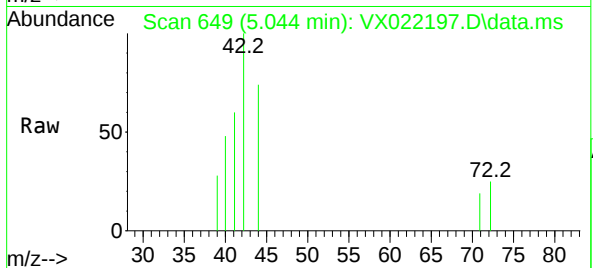
Delta R.T. 0.031 min

Lab File: VX022197.D

Acq: 26 May 2021 15:07

Tgt Ion:	42	Resp:	905
Ion	Ratio	Lower	Upper
42	100		
72	22.2	41.7	62.5#
71	15.6	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
FB01-20210525



#31

Cyclohexane

Concen: 1.57 ug/l

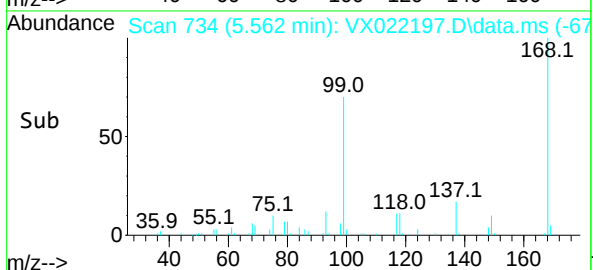
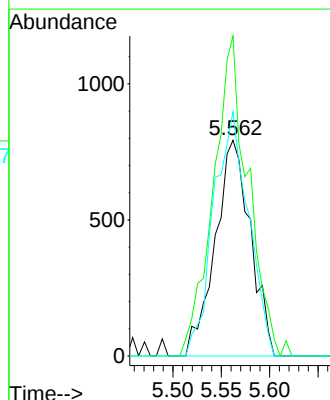
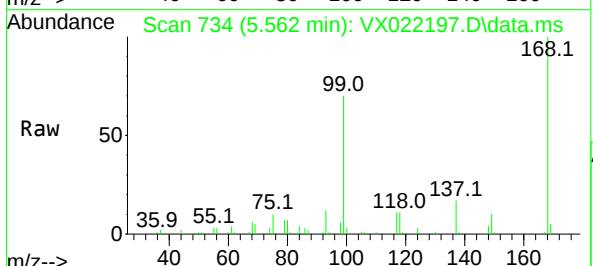
RT: 5.562 min Scan# 734

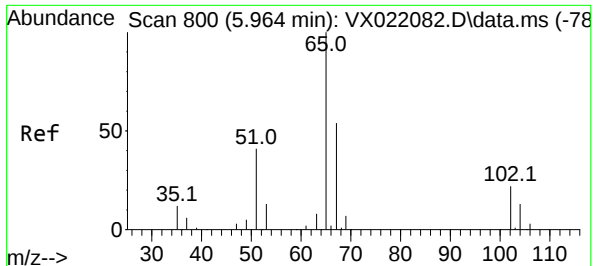
Delta R.T. 0.079 min

Lab File: VX022197.D

Acq: 26 May 2021 15:07

Tgt Ion:	56	Resp:	2007
Ion	Ratio	Lower	Upper
56	100		
69	148.3	25.3	37.9#
84	113.2	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 52.12 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.006 min

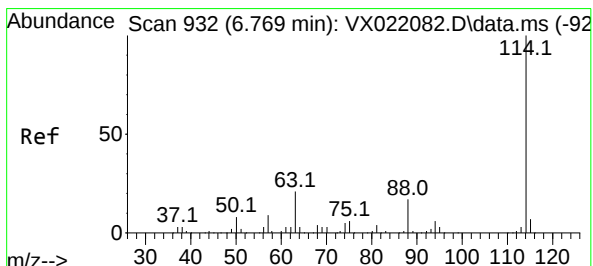
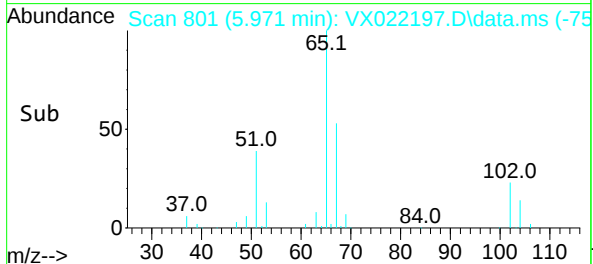
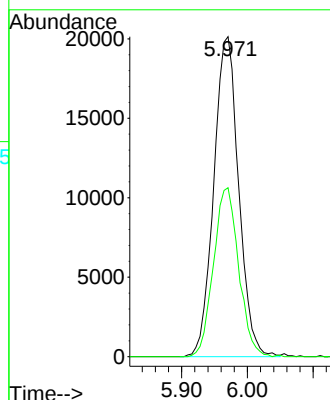
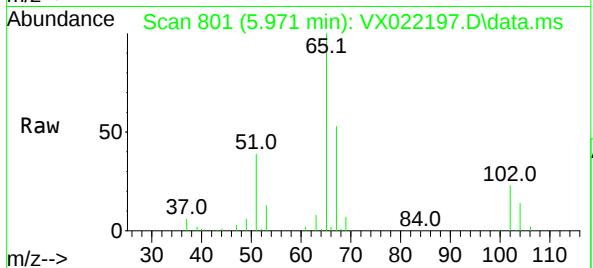
Lab File: VX022197.D

Acq: 26 May 2021 15:07

Tgt Ion: 65 Resp: 53077

Ion Ratio Lower Upper

65	100		
67	53.3	0.0	105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

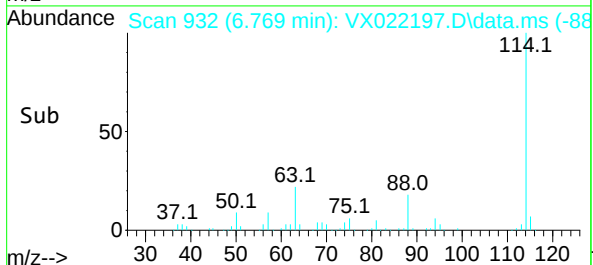
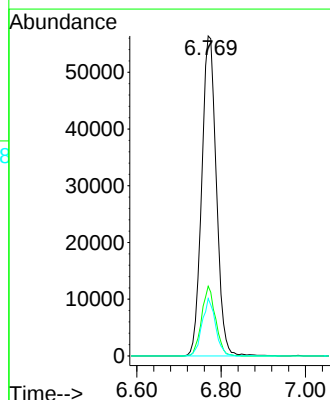
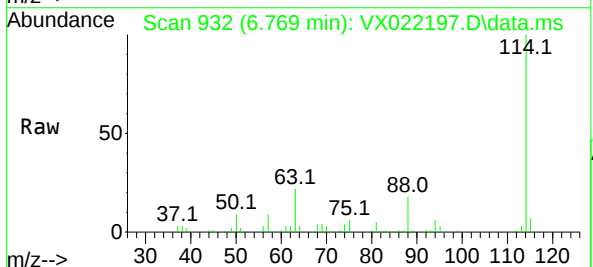
Lab File: VX022197.D

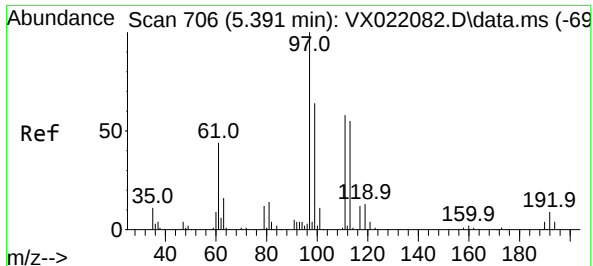
Acq: 26 May 2021 15:07

Tgt Ion: 114 Resp: 136452

Ion Ratio Lower Upper

114	100		
63	21.8	0.0	40.8
88	18.0	0.0	32.8

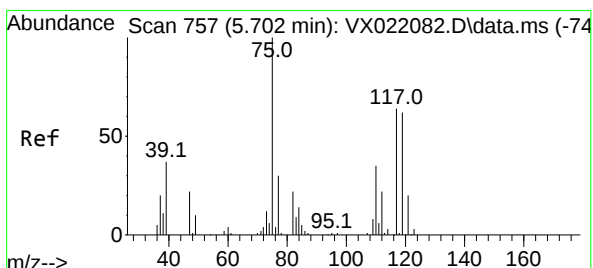
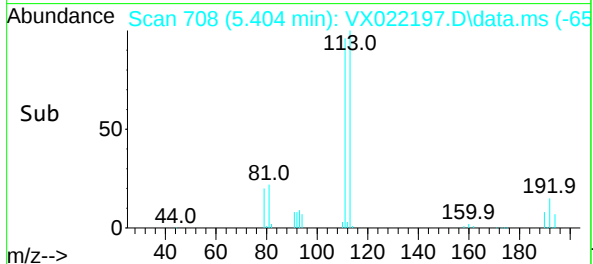
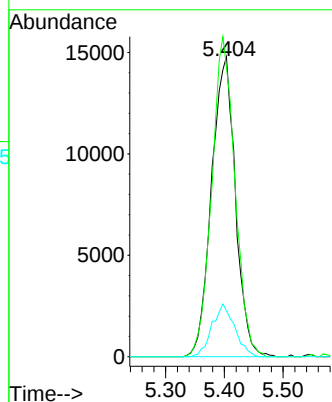
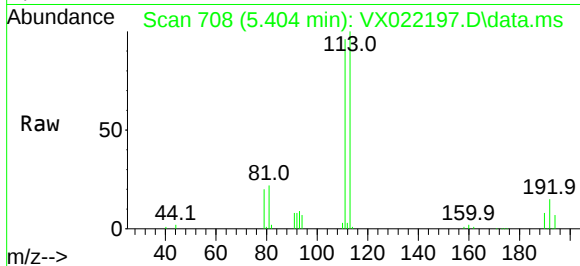




#35
Dibromofluoromethane
Concen: 48.26 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.013 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

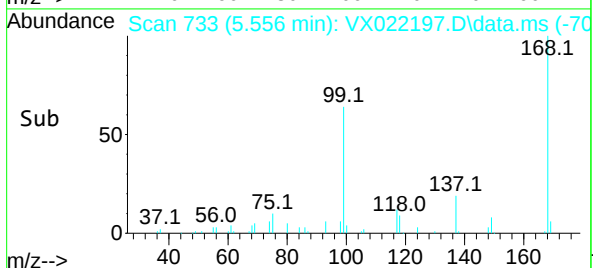
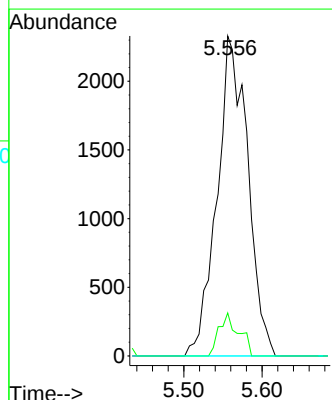
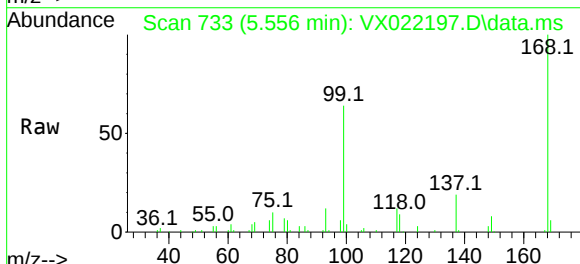
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210525

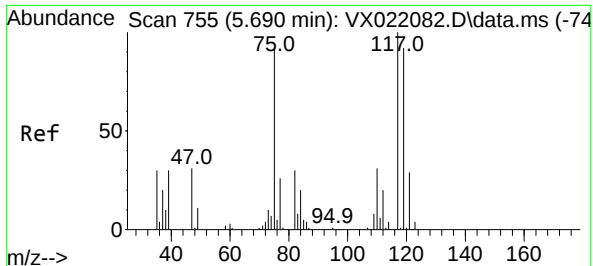
Tgt Ion:113 Resp: 41758
Ion Ratio Lower Upper
113 100
111 103.3 81.9 122.9
192 16.7 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 5.03 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

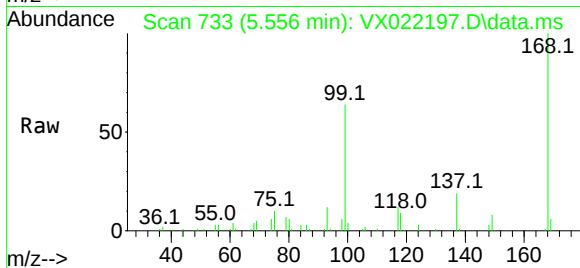
Tgt Ion: 75 Resp: 6344
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



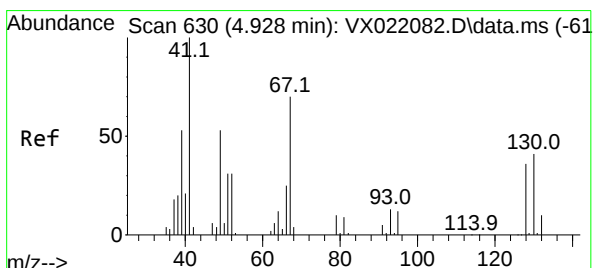
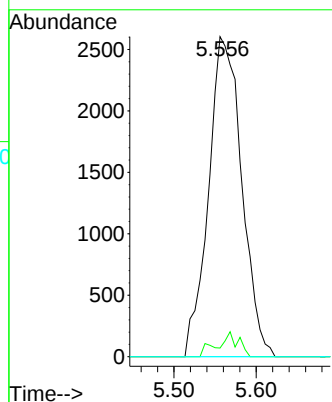
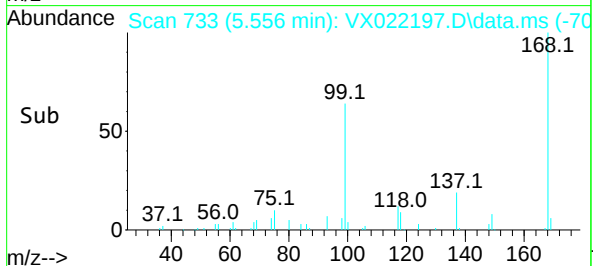


#38
Carbon Tetrachloride
Concen: 5.92 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

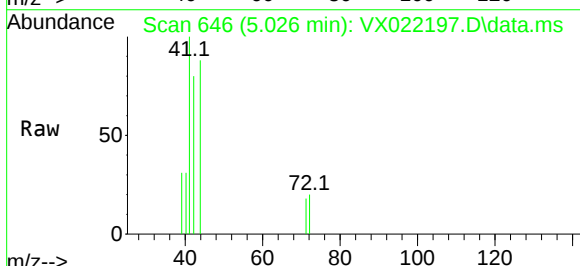
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210525



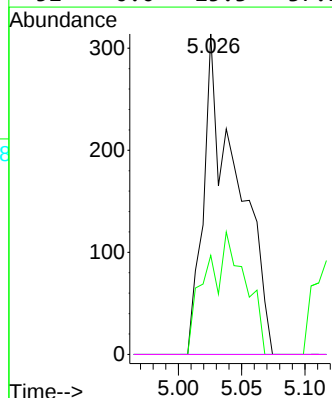
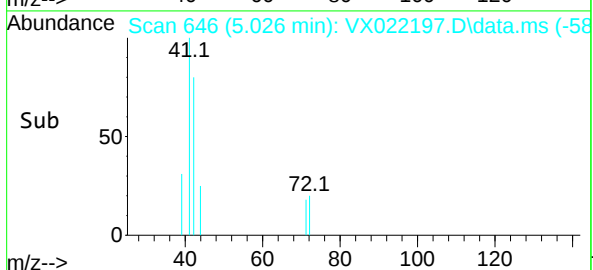
Tgt Ion: 117 Resp: 7311
Ion Ratio Lower Upper
117 100
119 2.7 76.2 114.2#
121 0.0 24.8 37.2#

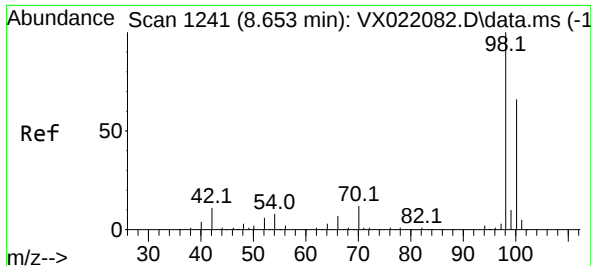


#41
Methacrylonitrile
Concen: 0.70 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07



Tgt Ion: 41 Resp: 577
Ion Ratio Lower Upper
41 100
39 44.5 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

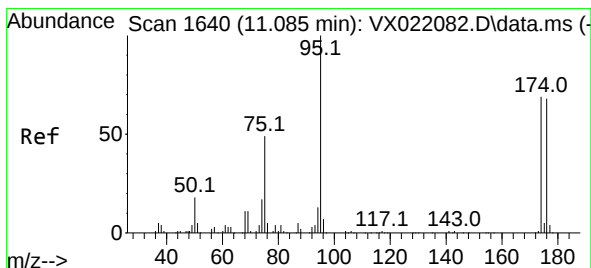
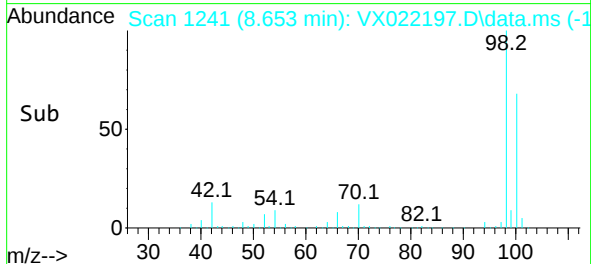
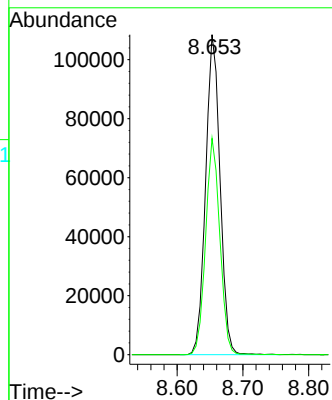
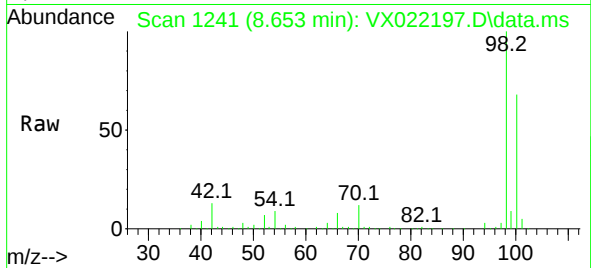




#50
Toluene-d8
Concen: 49.64 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

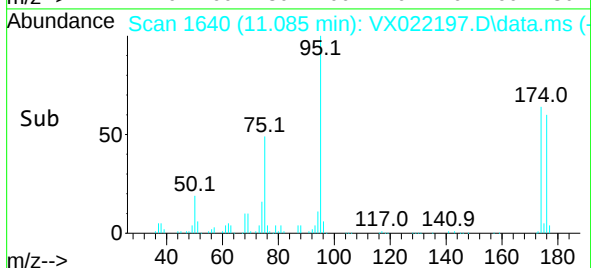
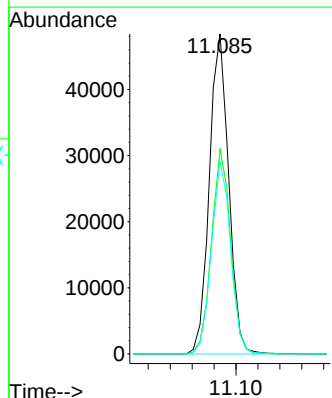
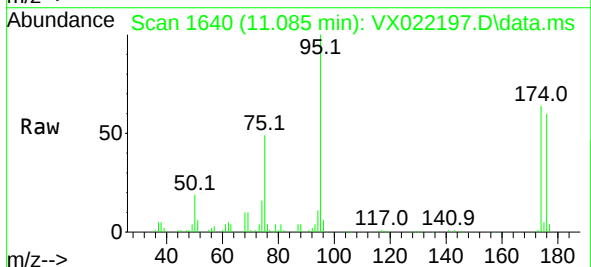
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210525

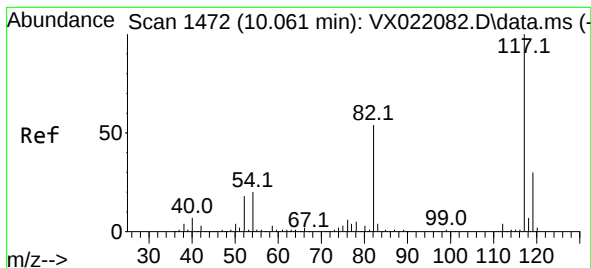
Tgt Ion: 98 Resp: 165453
Ion Ratio Lower Upper
98 100
100 66.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.00 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

Tgt Ion: 95 Resp: 59136
Ion Ratio Lower Upper
95 100
174 63.6 0.0 154.6
176 59.9 0.0 155.8

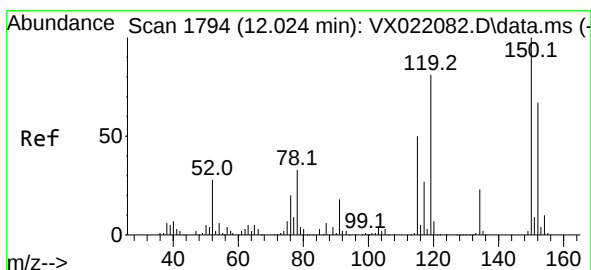
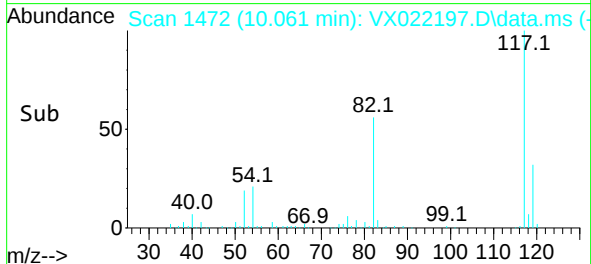
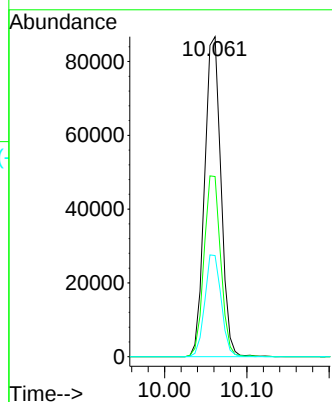
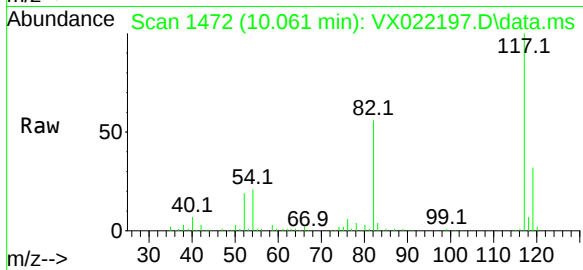




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

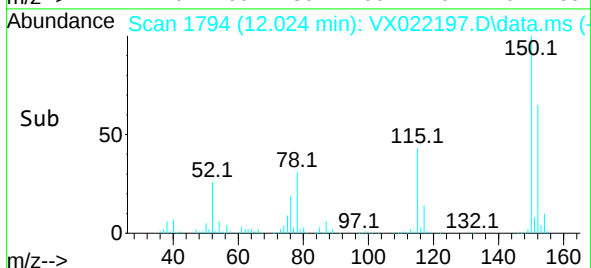
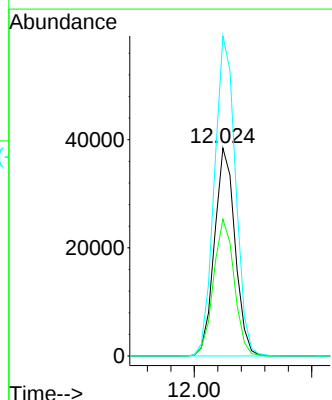
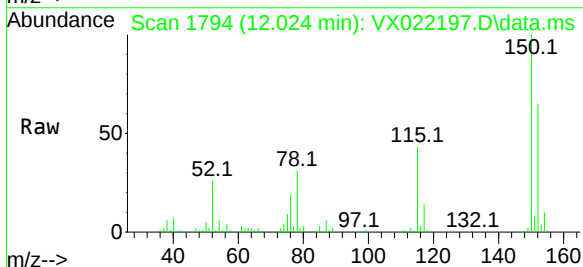
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210525

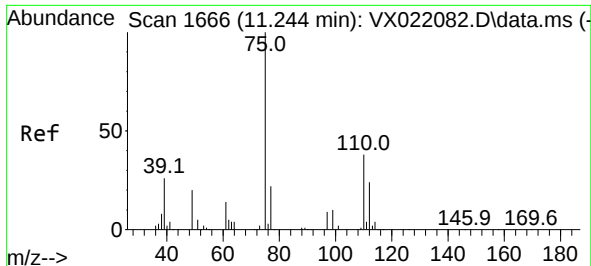
Tgt Ion:117 Resp: 119601
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

Tgt Ion:152 Resp: 46801
Ion Ratio Lower Upper
152 100
115 66.2 41.1 123.3
150 157.9 0.0 349.0

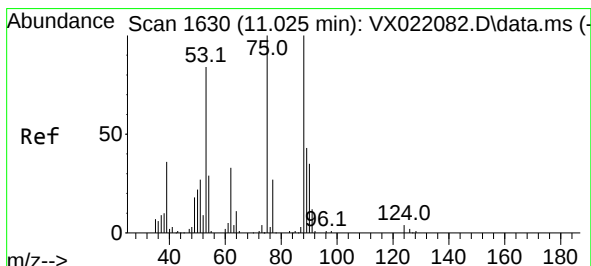
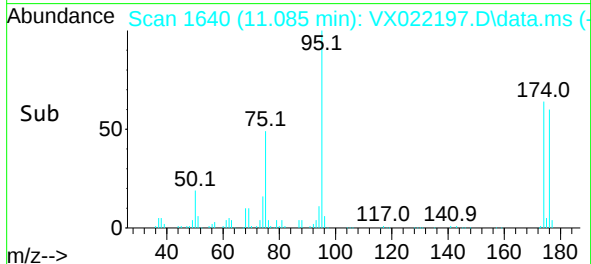
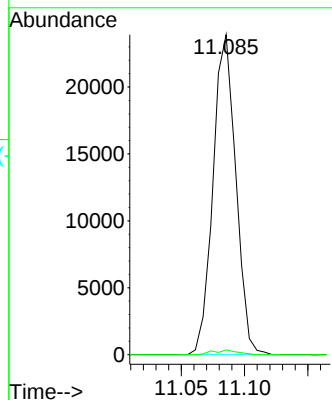
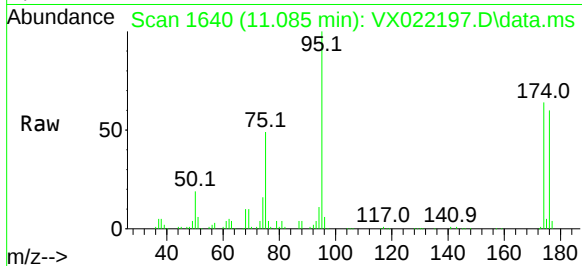




#76
1,2,3-Trichloropropane
Concen: 25.94 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

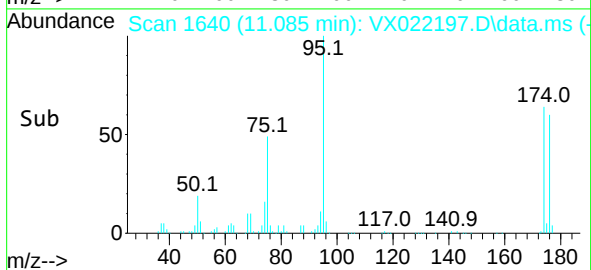
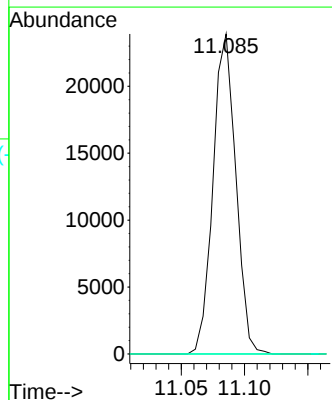
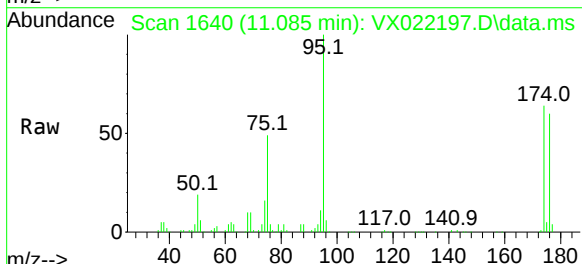
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210525

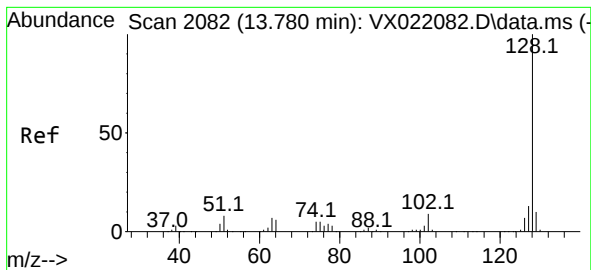
Tgt Ion: 75 Resp: 29945
Ion Ratio Lower Upper
75 100
77 1.6 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.45 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022197.D
Acq: 26 May 2021 15:07

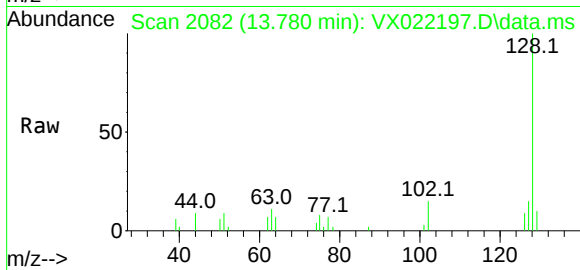
Tgt Ion: 75 Resp: 29945
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
 Naphthalene
 Concen: 1.09 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX022197.D
 Acq: 26 May 2021 15:07

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20210525



Tgt Ion:128 Resp: 3990
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.3 15.5
 129 11.3 8.8 13.2

