

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060721\
 Data File : VX022539.D
 Acq On : 07 Jun 2021 17:17
 Operator : JC/MD
 Sample : M2583-19 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33-34

Quant Time: Jun 07 17:45:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 07 14:27:50 2021
 Response via : Initial Calibration

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

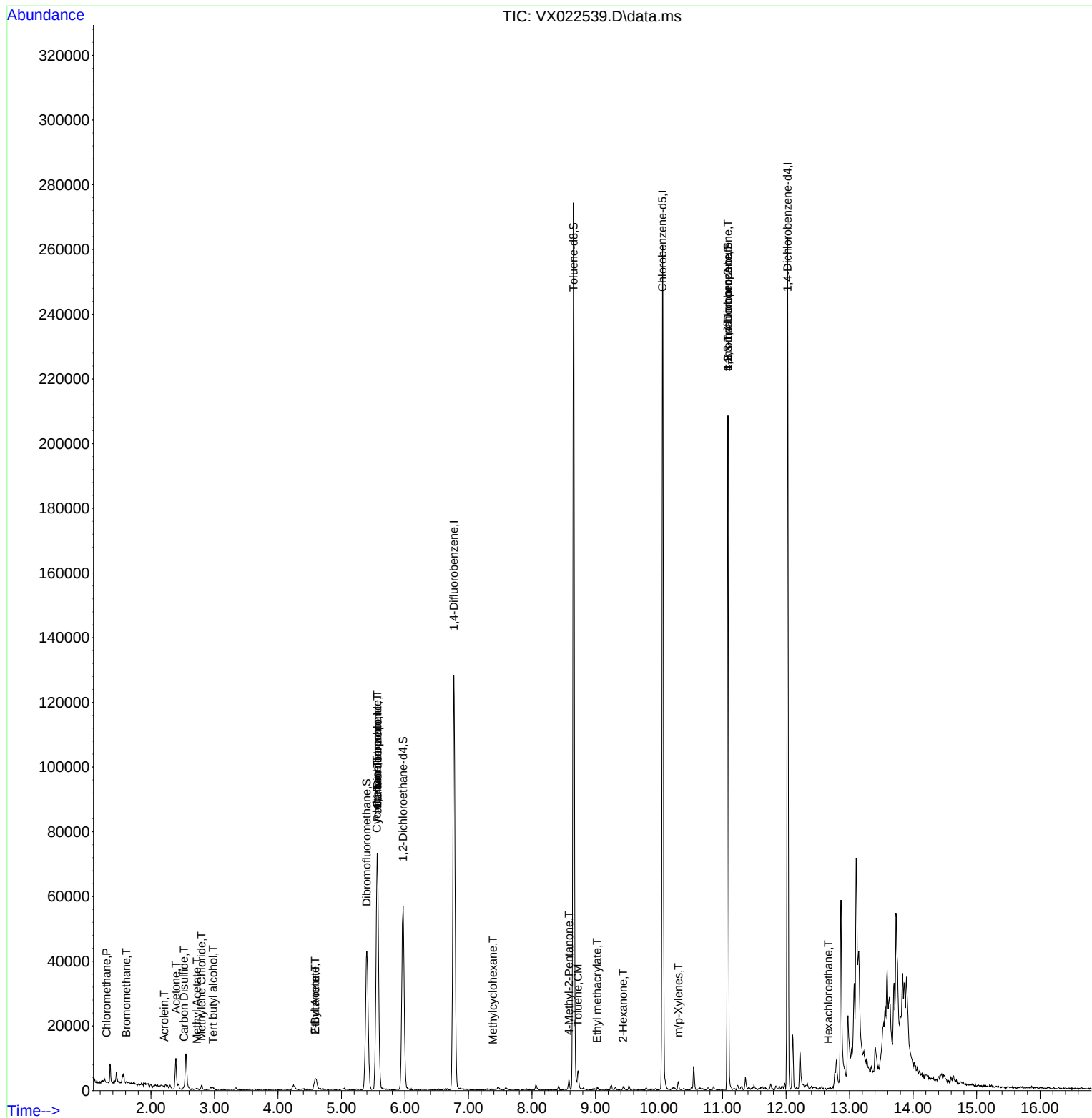
Internal Standards						
1) Pentafluorobenzene	5.568	168	62028	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	125300	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	110007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	52610	47.710	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.420%		
35) Dibromofluoromethane	5.397	113	37638	48.010	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.020%		
50) Toluene-d8	8.653	98	153593	49.102	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.200%		
62) 4-Bromofluorobenzene	11.085	95	56029	48.189	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.380%		
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	175	0.200	ug/l #	42
5) Bromomethane	1.611	94	235	0.525	ug/l #	45
11) Tert butyl alcohol	2.977	59	901	3.643	ug/l #	73
13) Acrolein	2.209	56	72	3.722	ug/l #	14
16) Acetone	2.392	43	9343	18.856	ug/l	98
17) Carbon Disulfide	2.520	76	778	3.753	ug/l #	75
18) Methyl Acetate	2.721	43	509	0.372	ug/l #	47
20) Methylene Chloride	2.794	84	446	0.431	ug/l #	72
25) 2-Butanone	4.586	43	1927	2.353	ug/l	99
31) Cyclohexane	5.556	56	1780	1.365	ug/l #	34
36) 1,1-Dichloropropene	5.562	75	6196	5.112	ug/l #	48
37) Ethyl Acetate	4.586	43	1927	1.239	ug/l #	69
38) Carbon Tetrachloride	5.562	117	7079	8.109	ug/l #	14
39) Methylcyclohexane	7.385	83	44	1.874	ug/l #	60
51) 4-Methyl-2-Pentanone	8.580	43	2015	1.282	ug/l	88
52) Toluene	8.720	92	2118	0.902	ug/l	96
56) Ethyl methacrylate	9.025	69	27	2.716	ug/l #	1
59) 2-Hexanone	9.433	43	636	0.530	ug/l	96
68) m/p-Xylenes	10.305	106	739	0.483	ug/l #	60
76) 1,2,3-Trichloropropane	11.085	75	30371	25.741	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	30371	63.527	ug/l #	12
90) Hexachloroethane	12.664	117	37	3.380	ug/l #	9

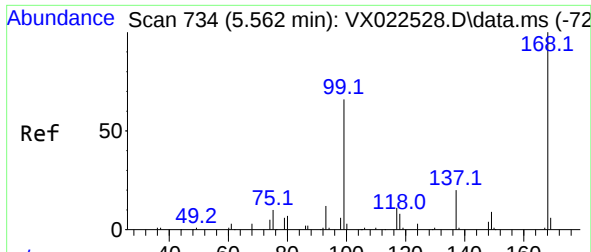
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :
33-34

Quant Time: Jun 07 17:45:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060721W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 07 14:27:50 2021
Response via : Initial Calibration

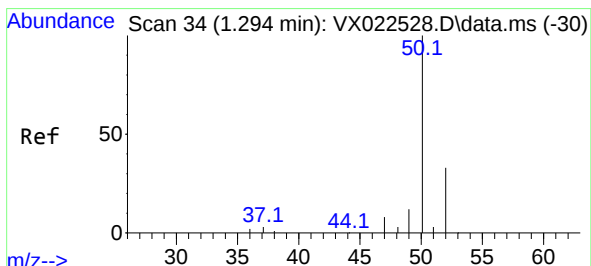
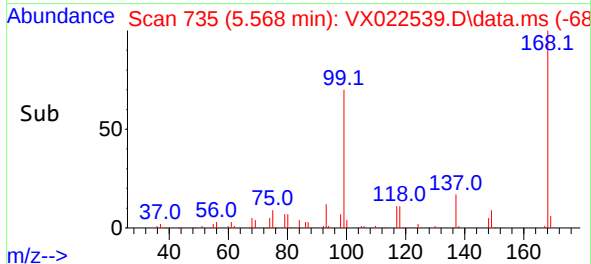
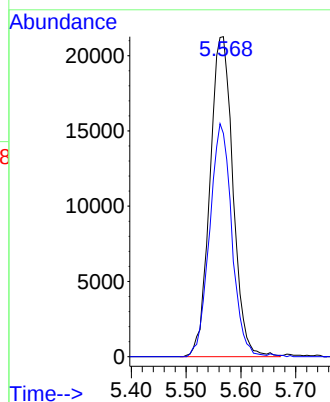
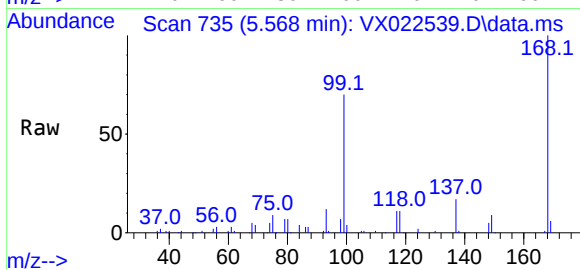




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

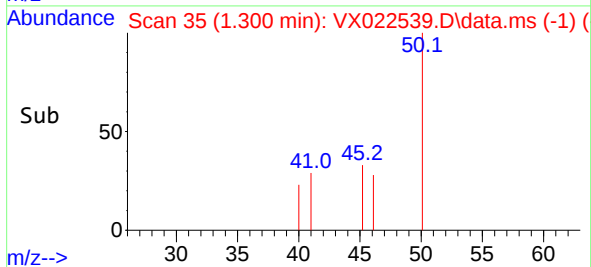
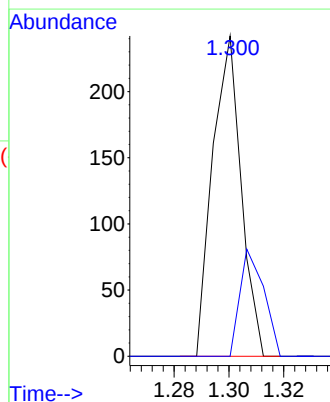
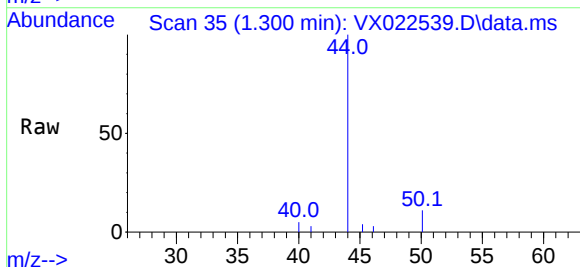
Instrument :
MSVOA_X
ClientSampled :
33-34

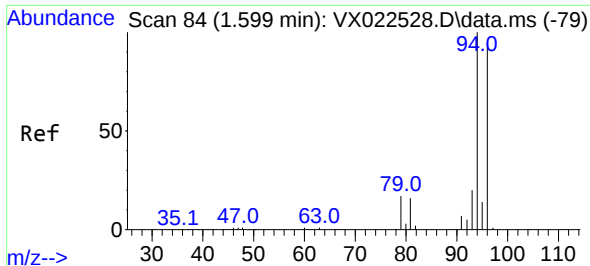
Tgt Ion:168 Resp: 62028
Ion Ratio Lower Upper
168 100
99 69.8 45.8 68.6#



#3
Chloromethane
Concen: 0.200 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion: 50 Resp: 175
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

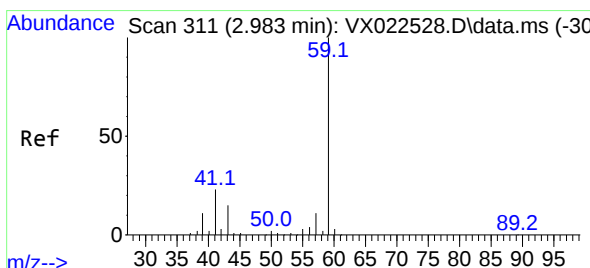
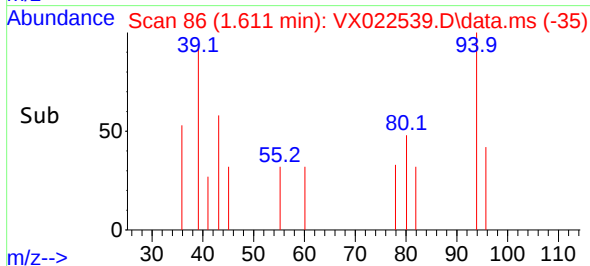
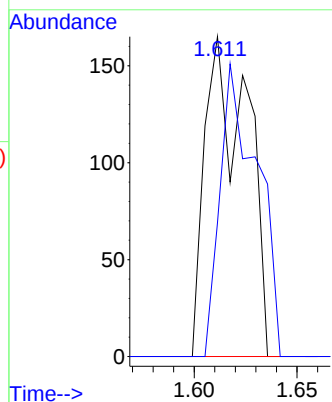
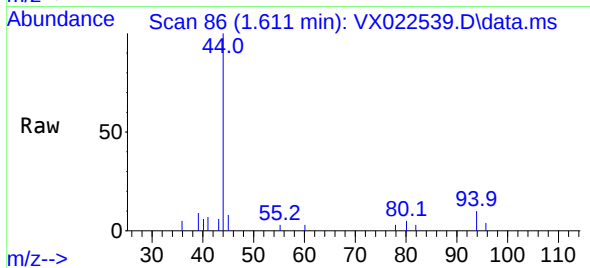




#5
Bromomethane
Concen: 0.525 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

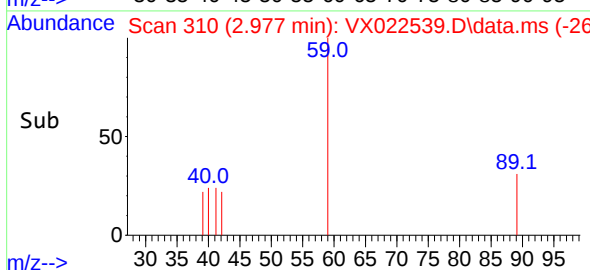
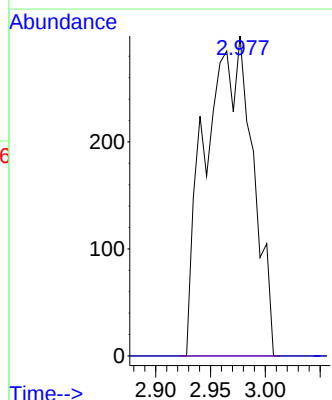
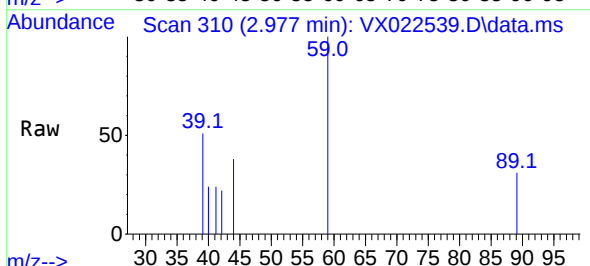
Instrument :
MSVOA_X
ClientSampled :
33-34

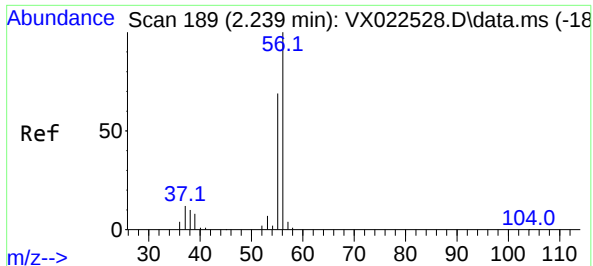
Tgt Ion: 94 Resp: 235
Ion Ratio Lower Upper
94 100
96 41.8 76.4 114.6#



#11
Tert butyl alcohol
Concen: 3.643 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion: 59 Resp: 901
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

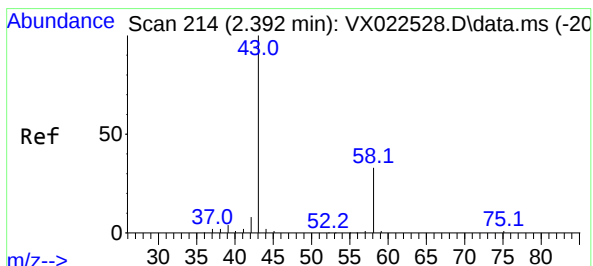
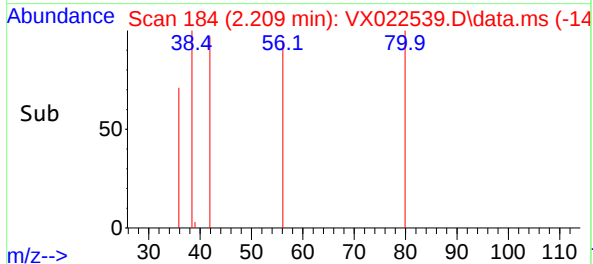
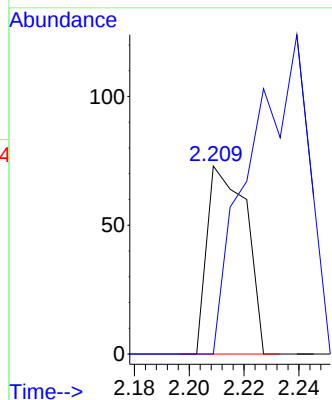
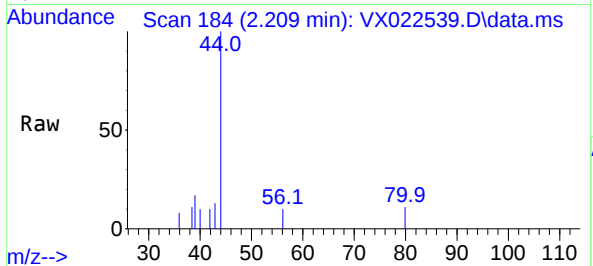




#13
Acrolein
Concen: 3.722 ug/l
RT: 2.209 min Scan# 184
Delta R.T. -0.030 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

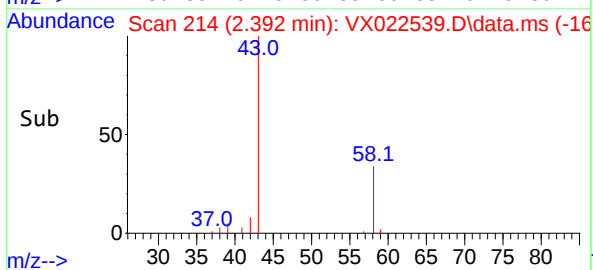
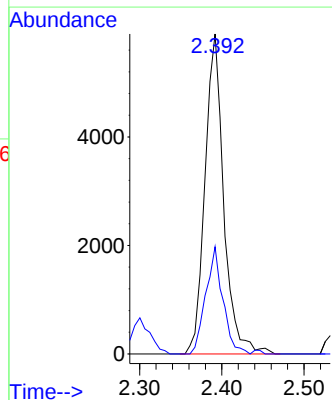
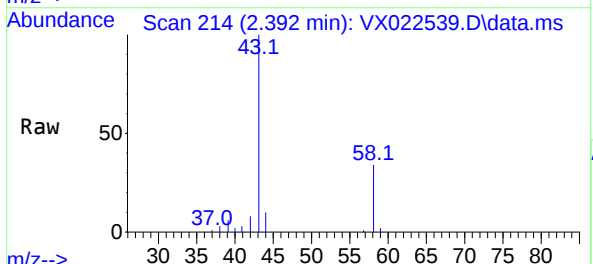
Instrument :
MSVOA_X
ClientSampled :
33-34

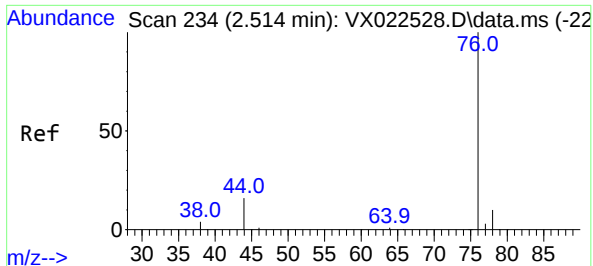
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 18.856 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion: 43 Resp: 9343
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8

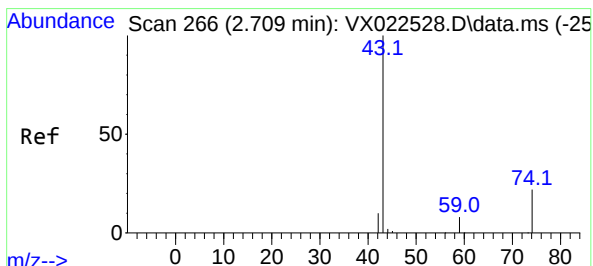
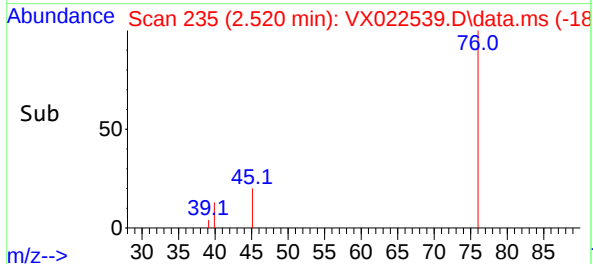
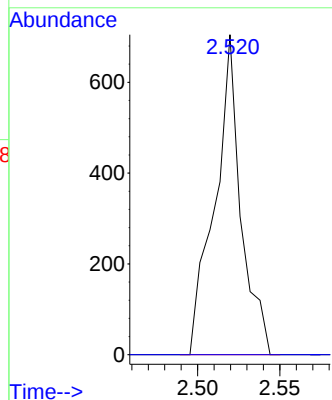
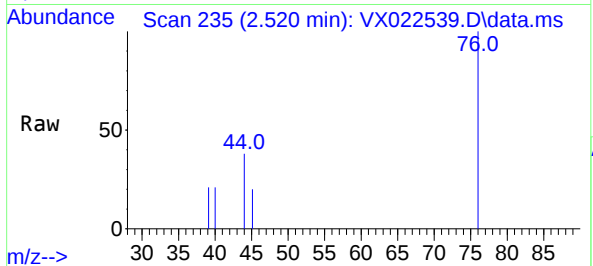




#17
Carbon Disulfide
Concen: 3.753 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

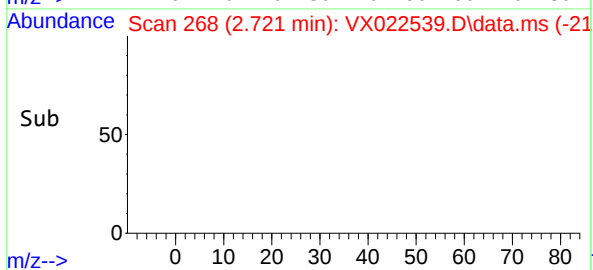
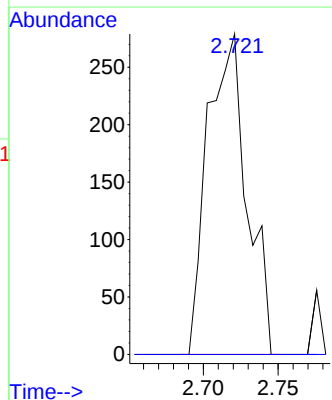
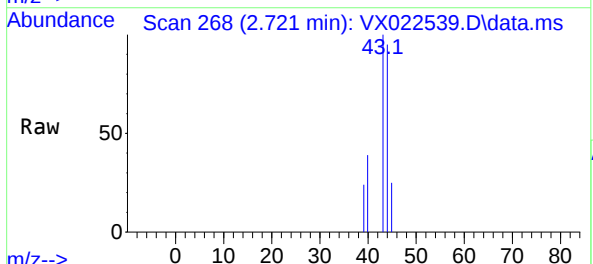
Instrument :
MSVOA_X
ClientSampled :
33-34

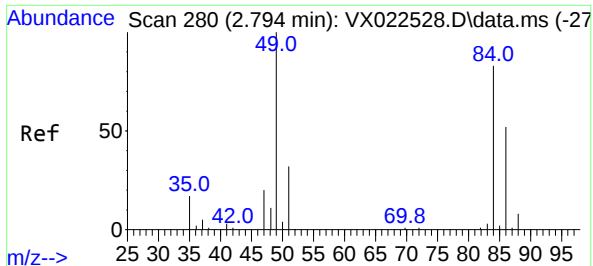
Tgt Ion: 76 Resp: 778
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.372 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.431 ug/l

RT: 2.794 min Scan# 280

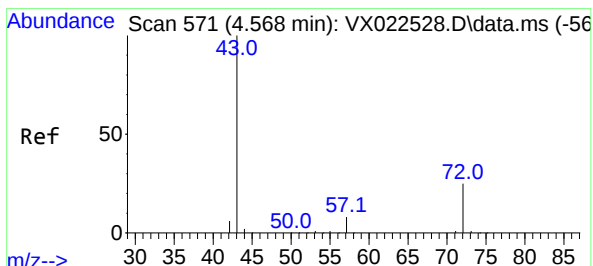
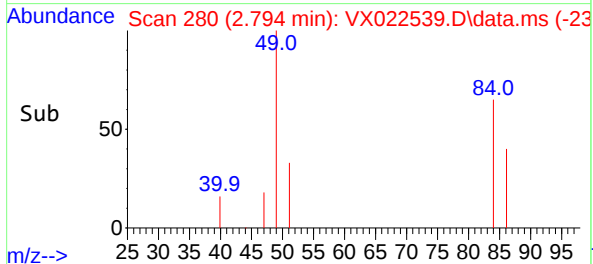
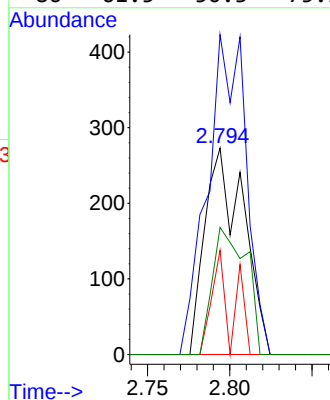
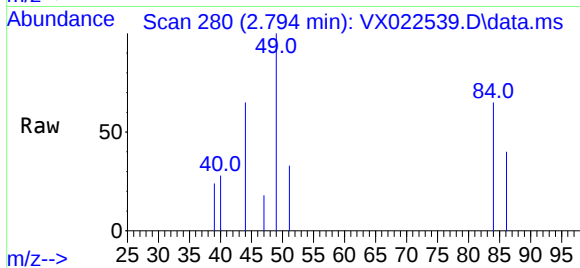
Delta R.T. 0.000 min

Lab File: VX022539.D

Acq: 07 Jun 2021 17:17

Tgt Ion: 84 Resp: 446

Ion	Ratio	Lower	Upper
84	100		
49	154.9	88.6	132.8#
51	50.5	27.0	40.6#
86	61.5	50.3	75.5



#25

2-Butanone

Concen: 2.353 ug/l

RT: 4.586 min Scan# 574

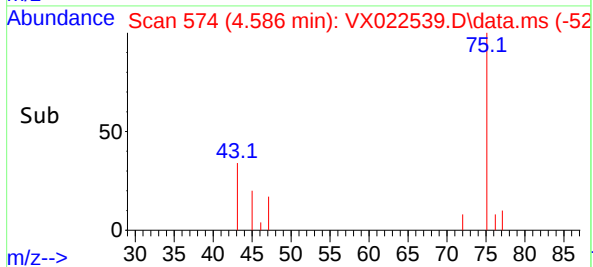
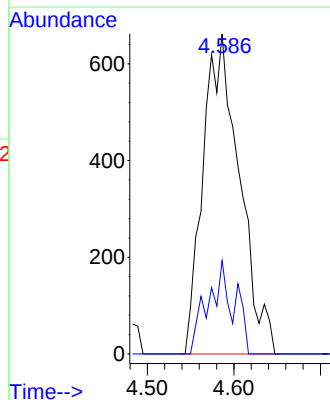
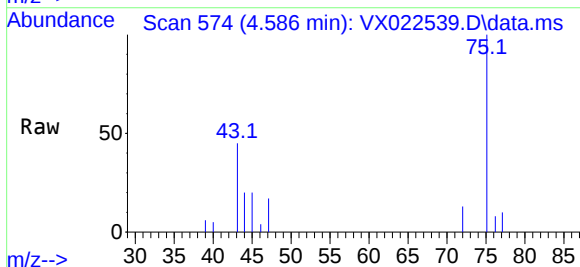
Delta R.T. 0.018 min

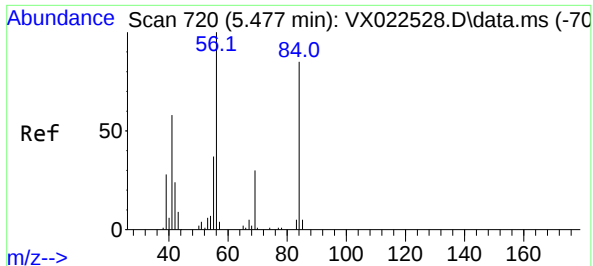
Lab File: VX022539.D

Acq: 07 Jun 2021 17:17

Tgt Ion: 43 Resp: 1927

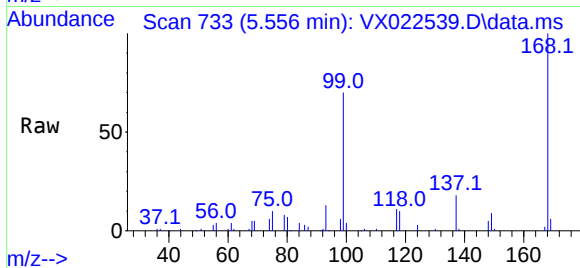
Ion	Ratio	Lower	Upper
43	100		
72	29.2	23.7	35.5



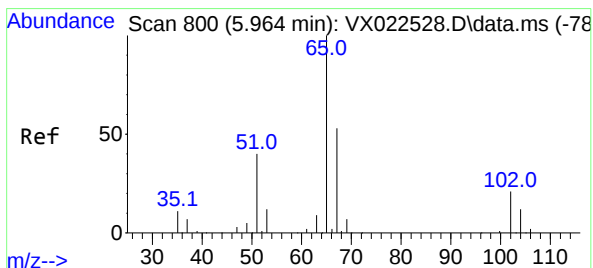
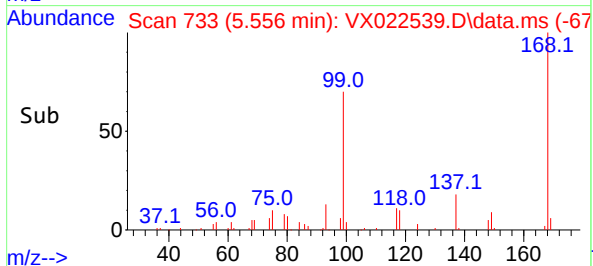
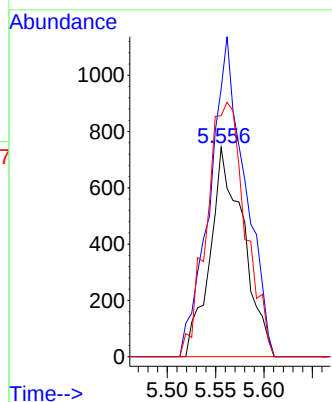


#31
Cyclohexane
Concen: 1.365 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Instrument :
MSVOA_X
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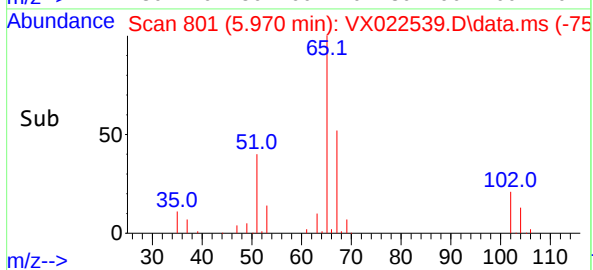
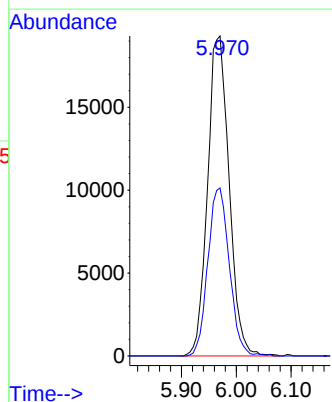
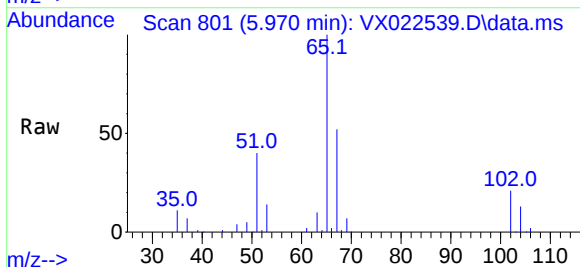


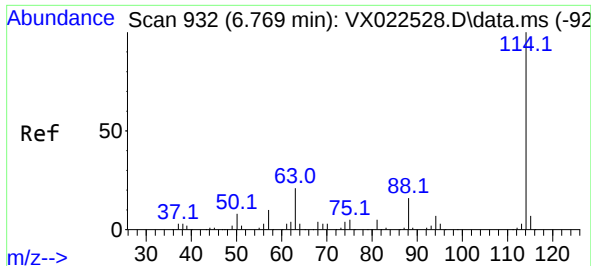
Tgt Ion: 56 Resp: 1780
Ion Ratio Lower Upper
56 100
69 128.1 25.3 37.9#
84 115.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 47.710 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion: 65 Resp: 52610
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4

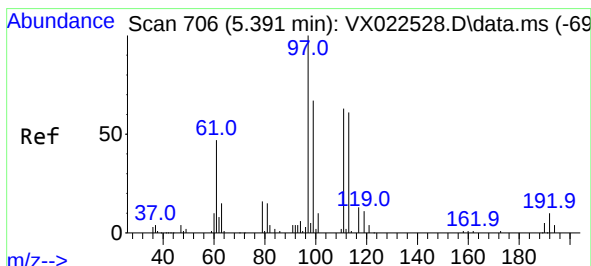
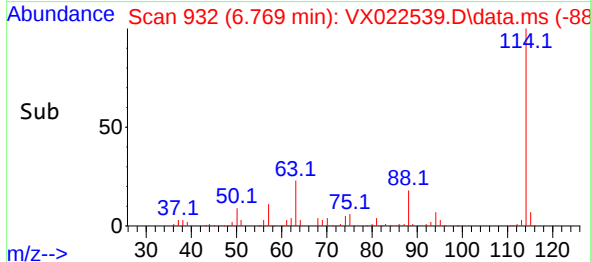
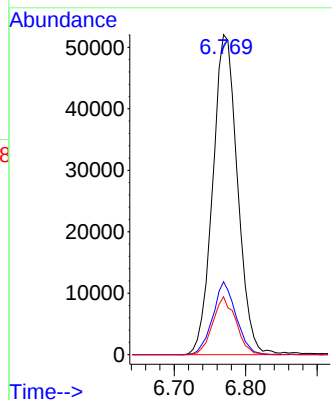
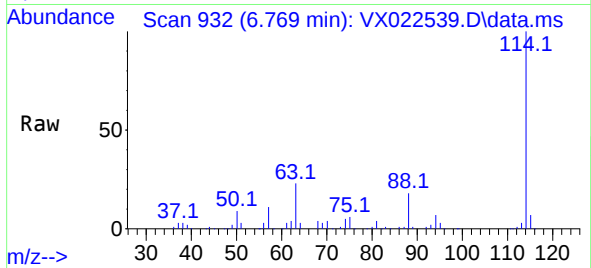




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

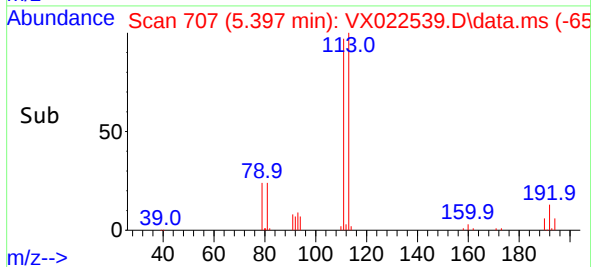
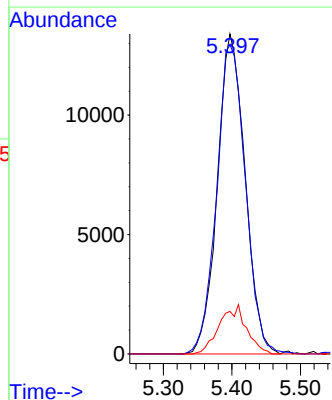
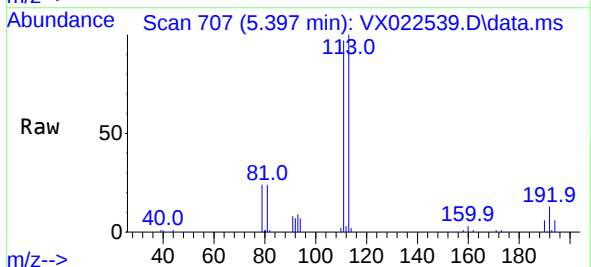
Instrument :
MSVOA_X
ClientSampleId :
33-34

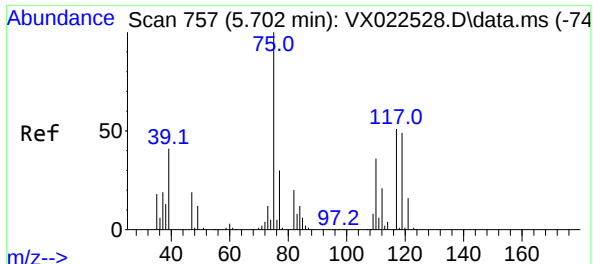
Tgt Ion:114 Resp: 125300
Ion Ratio Lower Upper
114 100
63 22.8 0.0 40.8
88 18.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.010 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

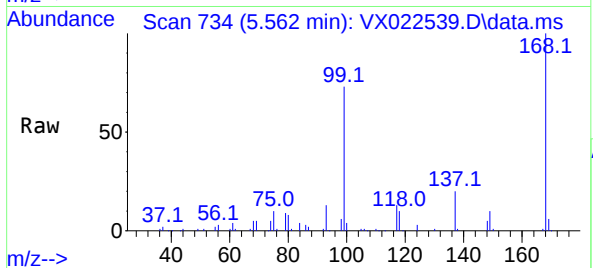
Tgt Ion:113 Resp: 37638
Ion Ratio Lower Upper
113 100
111 100.3 81.9 122.9
192 15.0 16.7 25.1#



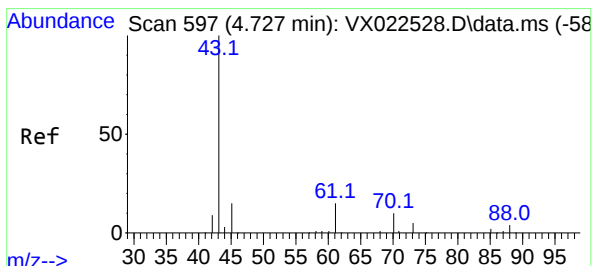
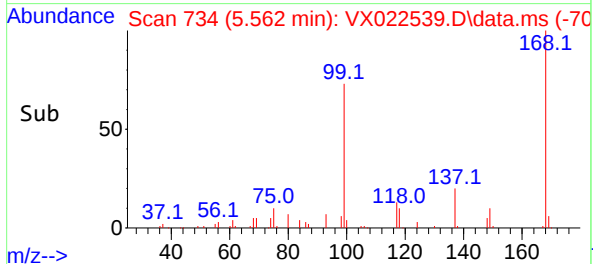
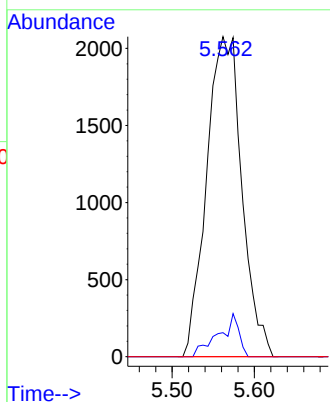


#36
1,1-Dichloropropene
Concen: 5.112 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Instrument :
MSVOA_X
ClientSampleId :
33-34

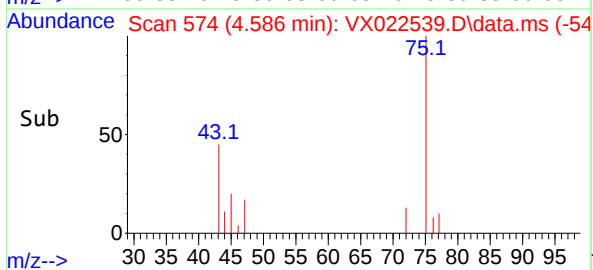
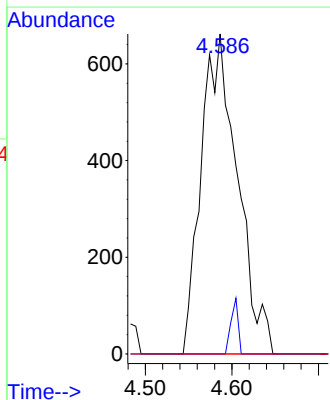
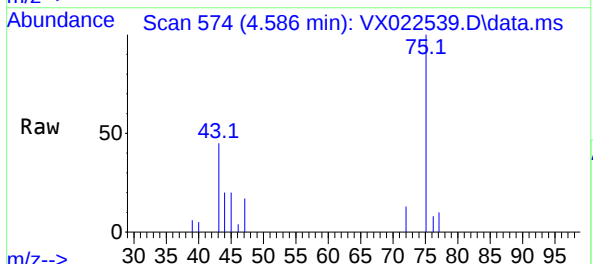


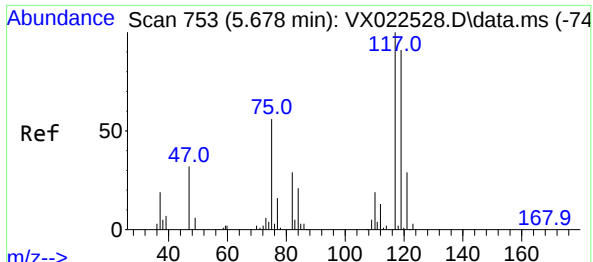
Tgt Ion: 75 Resp: 6196
Ion Ratio Lower Upper
75 100
110 7.7 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.239 ug/l
RT: 4.586 min Scan# 574
Delta R.T. -0.141 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

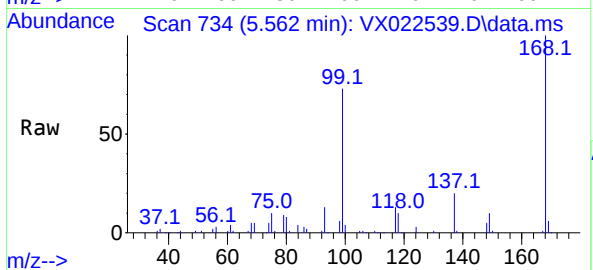
Tgt Ion: 43 Resp: 1927
Ion Ratio Lower Upper
43 100
61 3.4 12.8 19.2#
70 0.0 10.5 15.7#



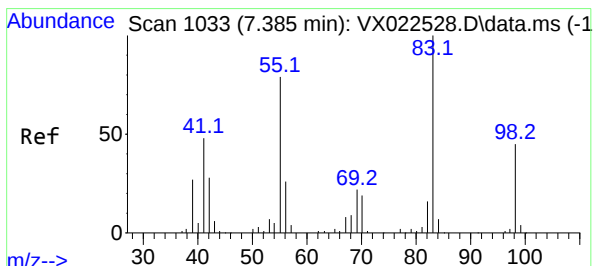
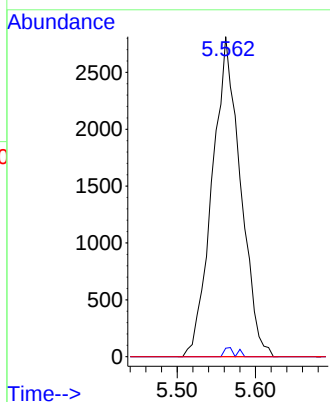
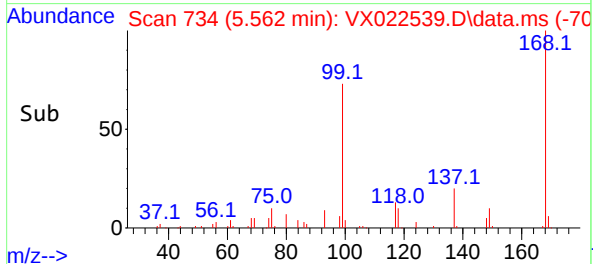


#38
Carbon Tetrachloride
Concen: 8.109 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

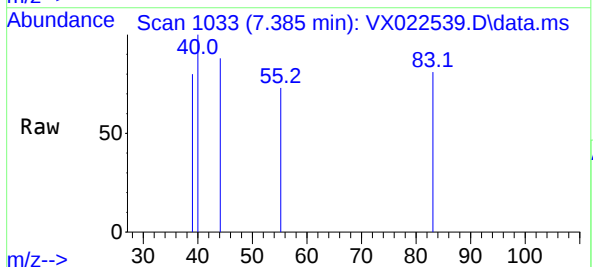
Instrument :
MSVOA_X
ClientSampleId :
33-34



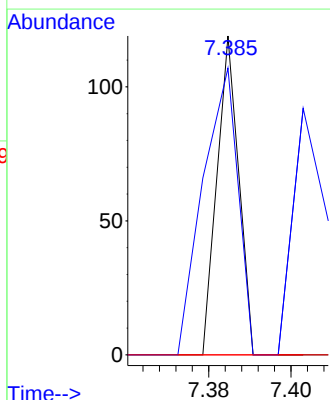
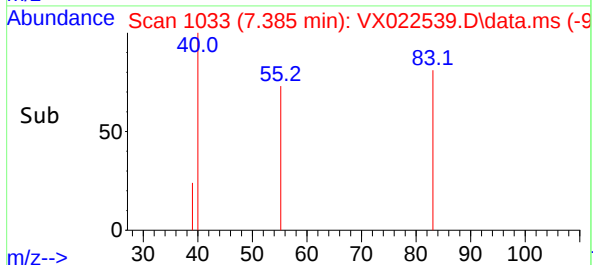
Tgt Ion:117 Resp: 7079
Ion Ratio Lower Upper
117 100
119 2.7 76.2 114.2#
121 0.0 24.8 37.2#

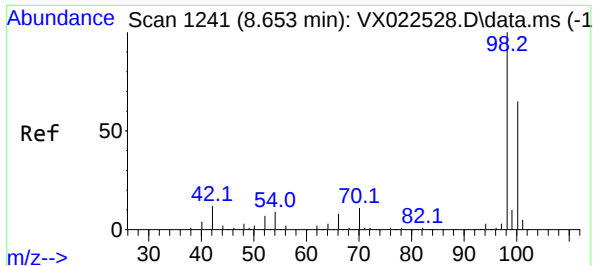


#39
Methylcyclohexane
Concen: 1.874 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17



Tgt Ion: 83 Resp: 44
Ion Ratio Lower Upper
83 100
55 89.9 58.9 88.3#
98 0.0 38.1 57.1#

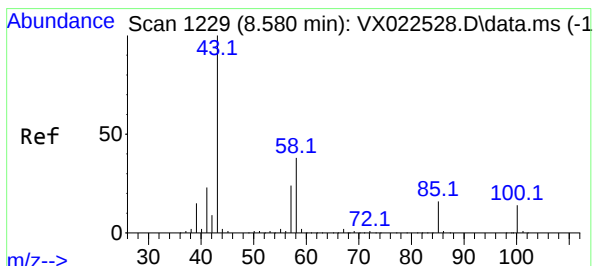
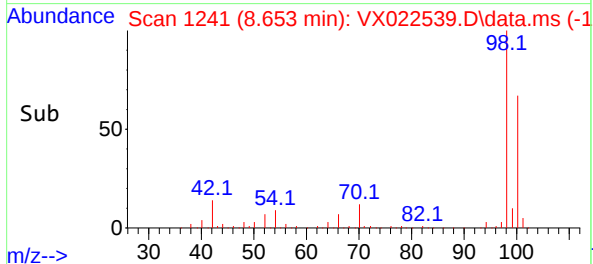
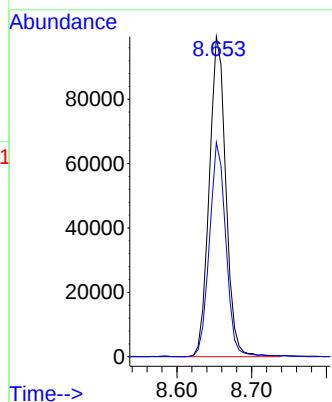
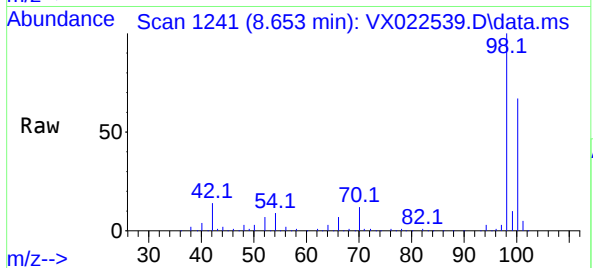




#50
Toluene-d8
Concen: 49.102 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

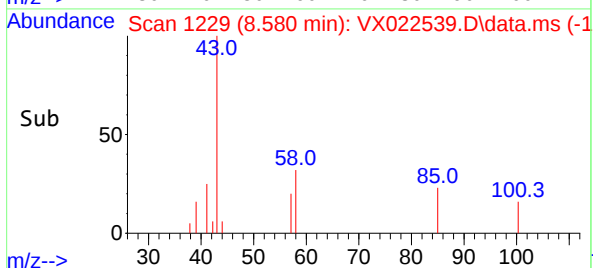
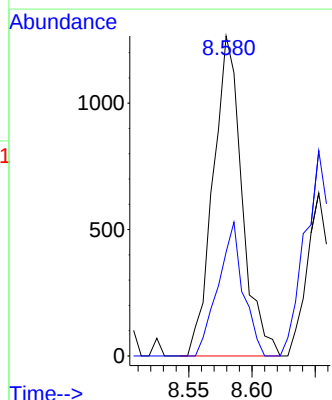
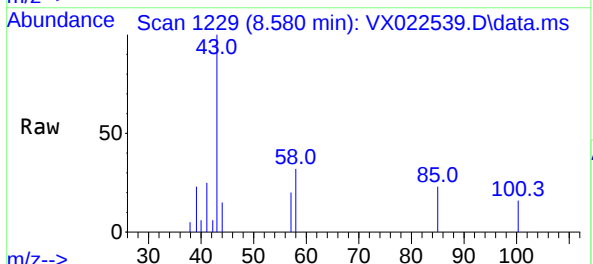
Instrument :
MSVOA_X
ClientSampled :
33-34

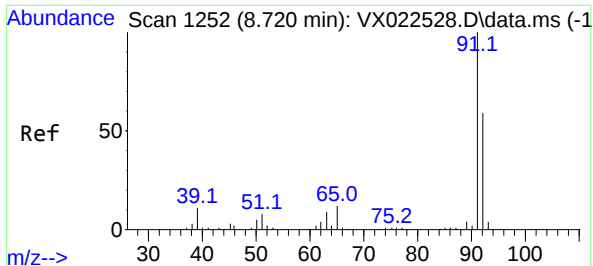
Tgt Ion: 98 Resp: 153593
Ion Ratio Lower Upper
98 100
100 66.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.282 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion: 43 Resp: 2015
Ion Ratio Lower Upper
43 100
58 36.1 35.4 53.0





#52

Toluene

Concen: 0.902 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX022539.D

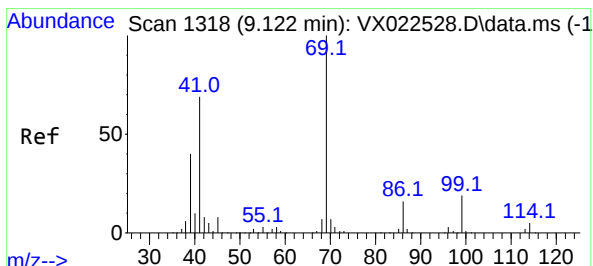
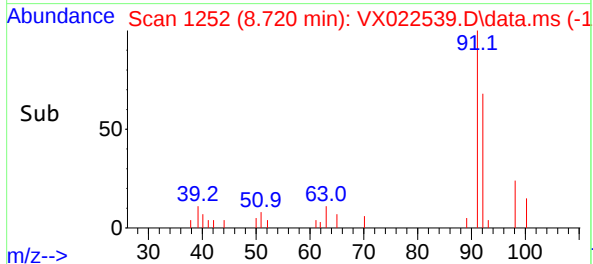
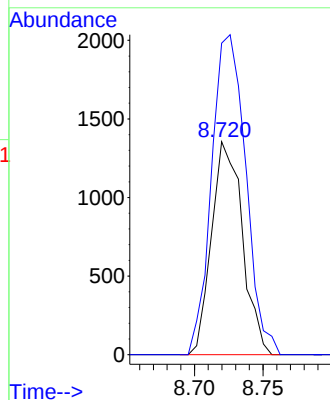
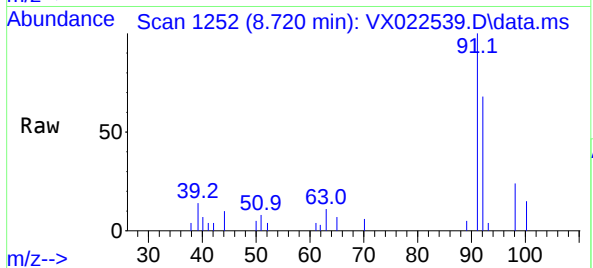
Acq: 07 Jun 2021 17:17

Tgt Ion: 92 Resp: 2118

Ion Ratio Lower Upper

92 100

91 166.5 137.1 205.7



#56

Ethyl methacrylate

Concen: 2.716 ug/l

RT: 9.025 min Scan# 1302

Delta R.T. -0.097 min

Lab File: VX022539.D

Acq: 07 Jun 2021 17:17

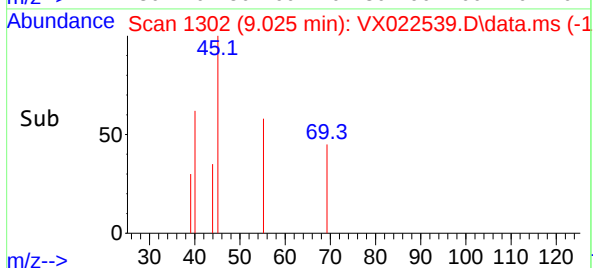
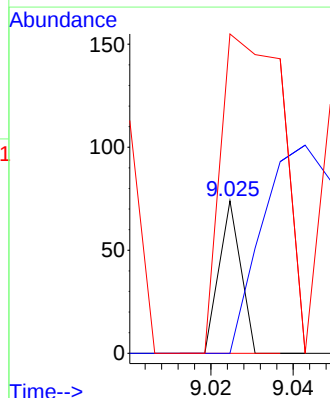
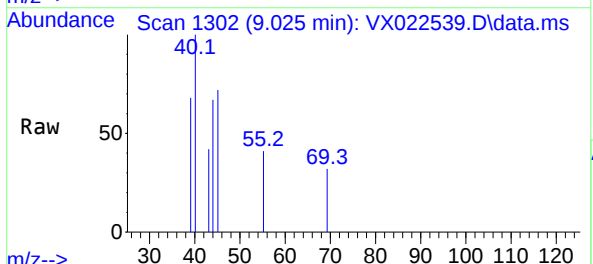
Tgt Ion: 69 Resp: 27

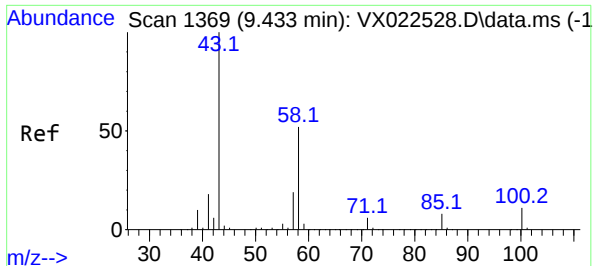
Ion Ratio Lower Upper

69 100

41 0.0 46.8 70.2#

39 600.0 24.7 37.1#

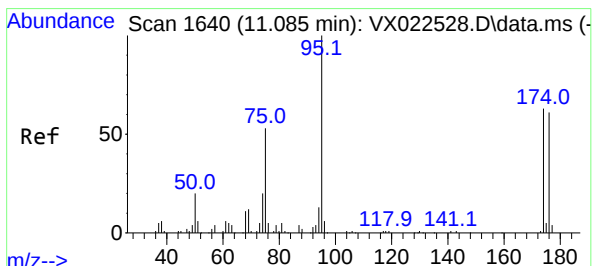
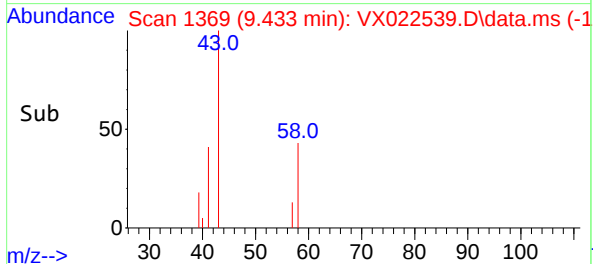
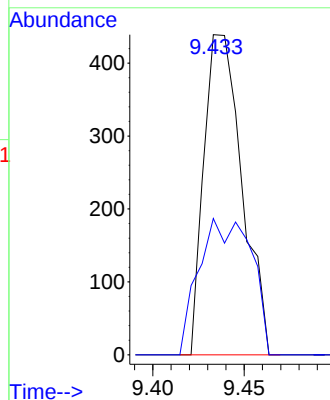
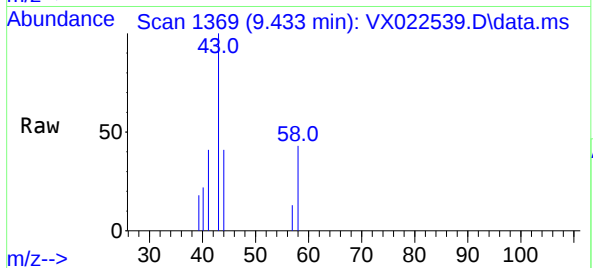




#59
2-Hexanone
Concen: 0.530 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

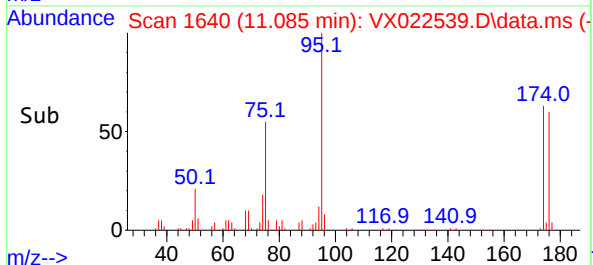
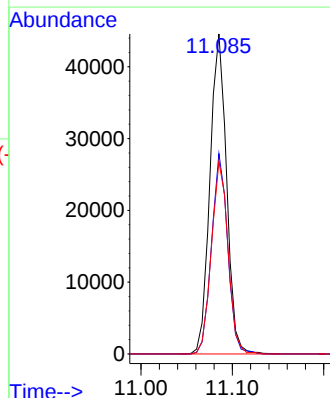
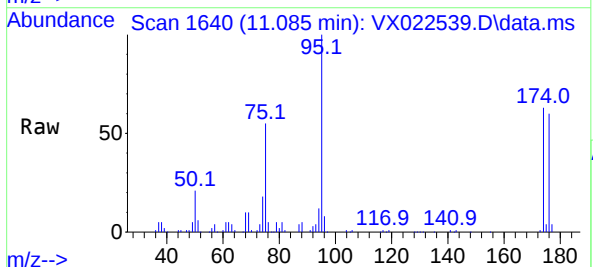
Instrument :
MSVOA_X
ClientSampled :
33-34

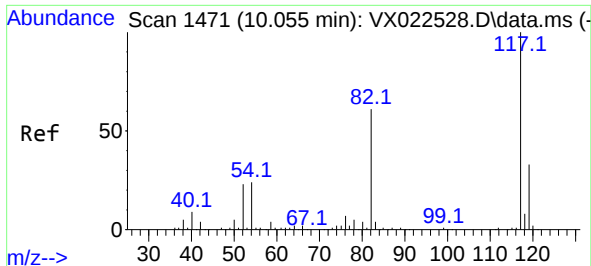
Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
58 58.6 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 48.189 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion: 95 Resp: 56029
Ion Ratio Lower Upper
95 100
174 60.7 0.0 154.6
176 60.0 0.0 155.8

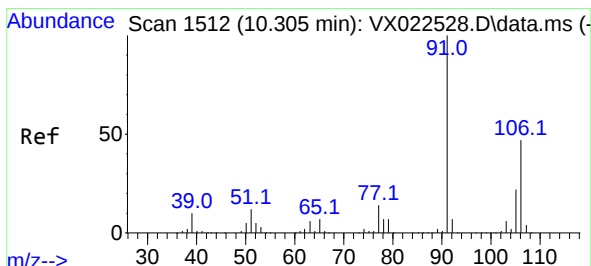
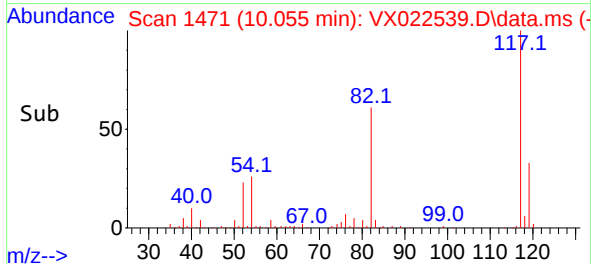
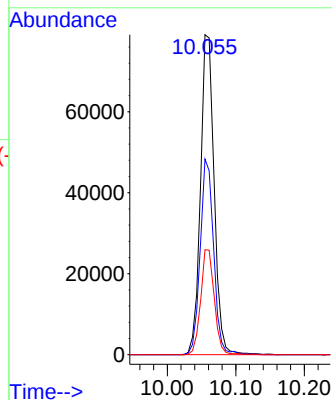
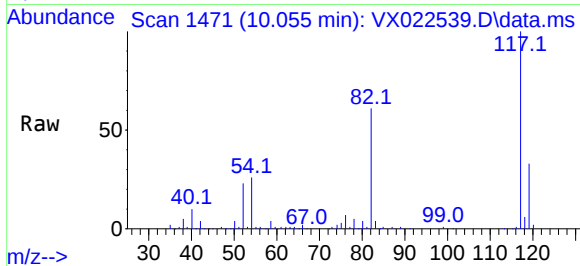




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

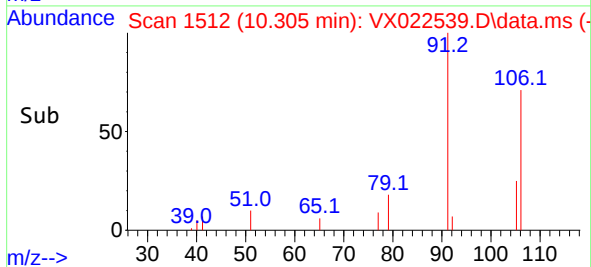
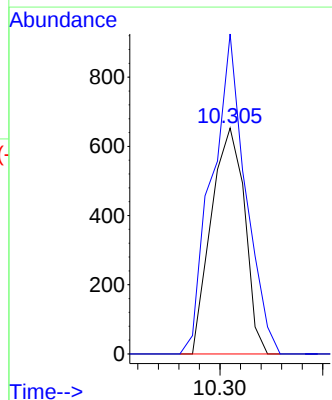
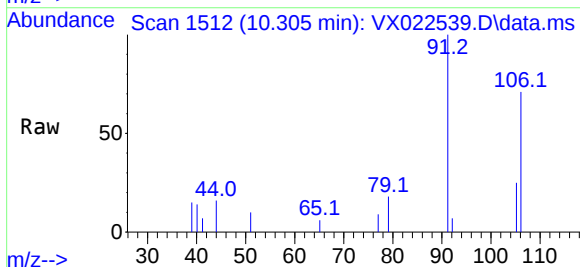
Instrument :
MSVOA_X
ClientSampled :
33-34

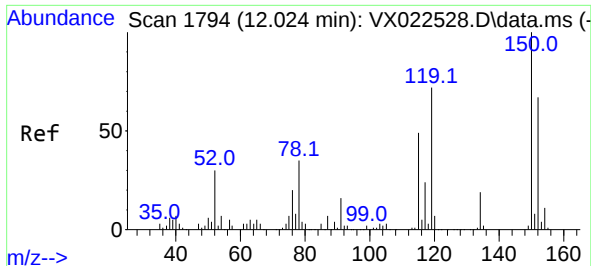
Tgt Ion:117 Resp: 110007
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 32.8 26.6 39.8



#68
m/p-Xylenes
Concen: 0.483 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion:106 Resp: 739
Ion Ratio Lower Upper
106 100
91 142.8 162.8 244.2#

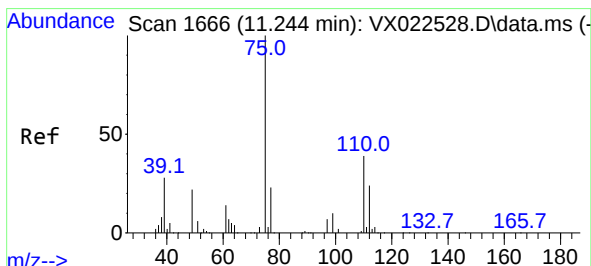
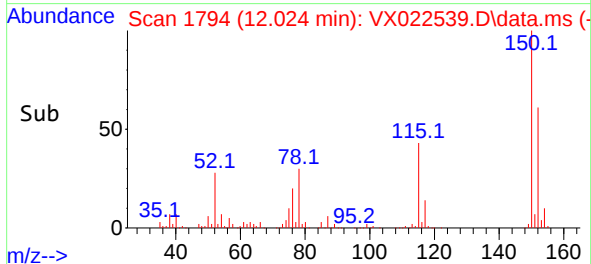
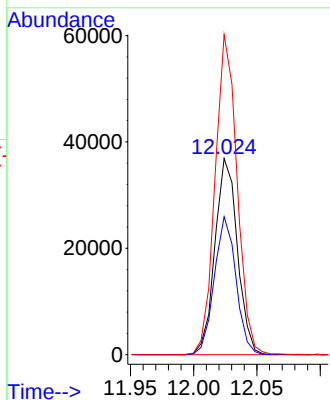
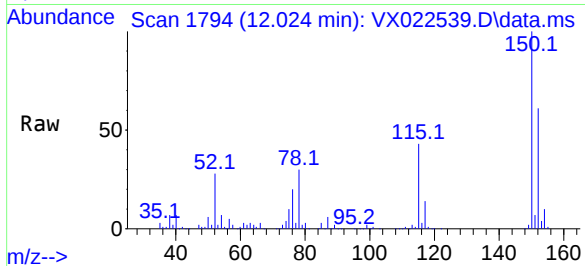




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

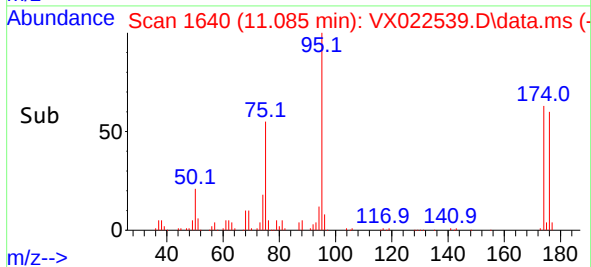
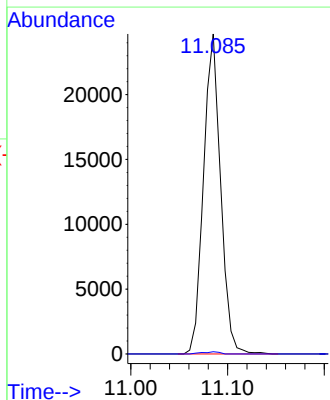
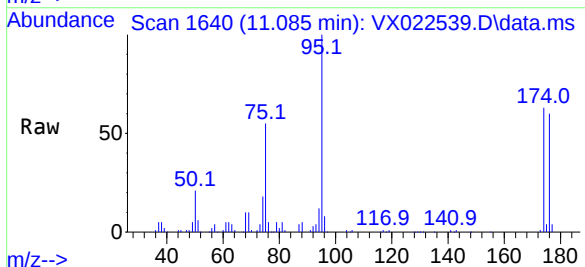
Instrument :
MSVOA_X
ClientSampled :
33-34

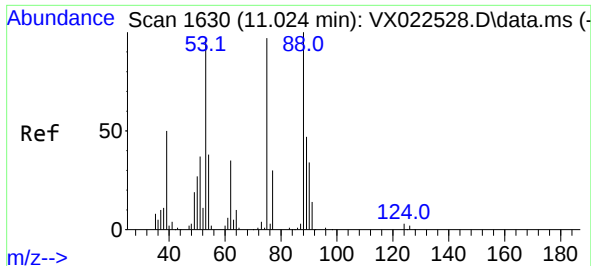
Tgt Ion:152 Resp: 45544
Ion Ratio Lower Upper
152 100
115 67.9 41.1 123.3
150 159.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.741 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion: 75 Resp: 30371
Ion Ratio Lower Upper
75 100
77 0.7 19.1 57.5#

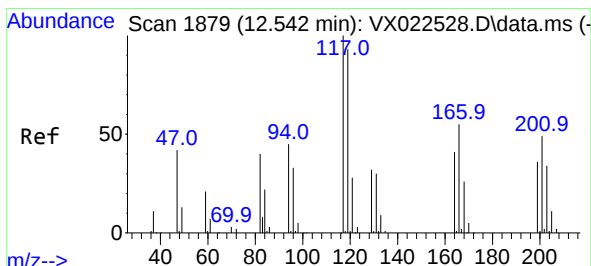
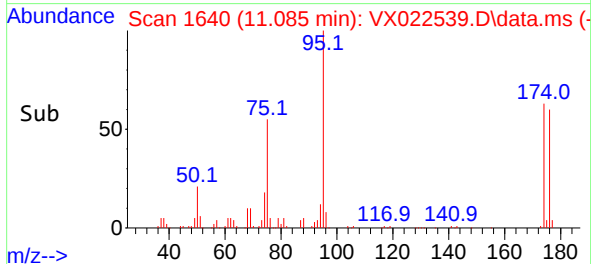
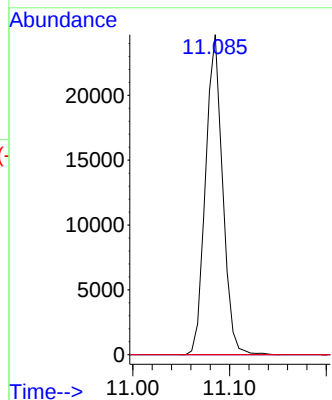
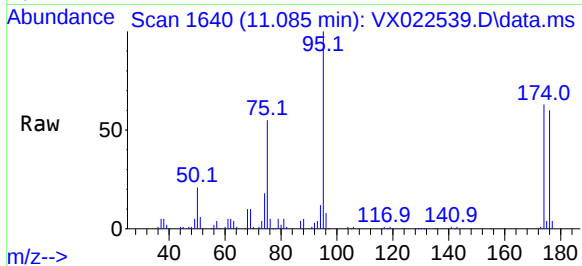




#81
trans-1,4-Dichloro-2-butene
Concen: 63.527 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Instrument :
MSVOA_X
ClientSampled :
33-34

Tgt Ion: 75 Resp: 30371
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 3.380 ug/l
RT: 12.664 min Scan# 1899
Delta R.T. 0.122 min
Lab File: VX022539.D
Acq: 07 Jun 2021 17:17

Tgt Ion: 117 Resp: 37
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

