

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122022\
 Data File : VX033503.D
 Acq On : 20 Dec 2022 13:22
 Operator : JC/MD
 Sample : N6149-02 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PARAM-1

Quant Time: Dec 21 04:14:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

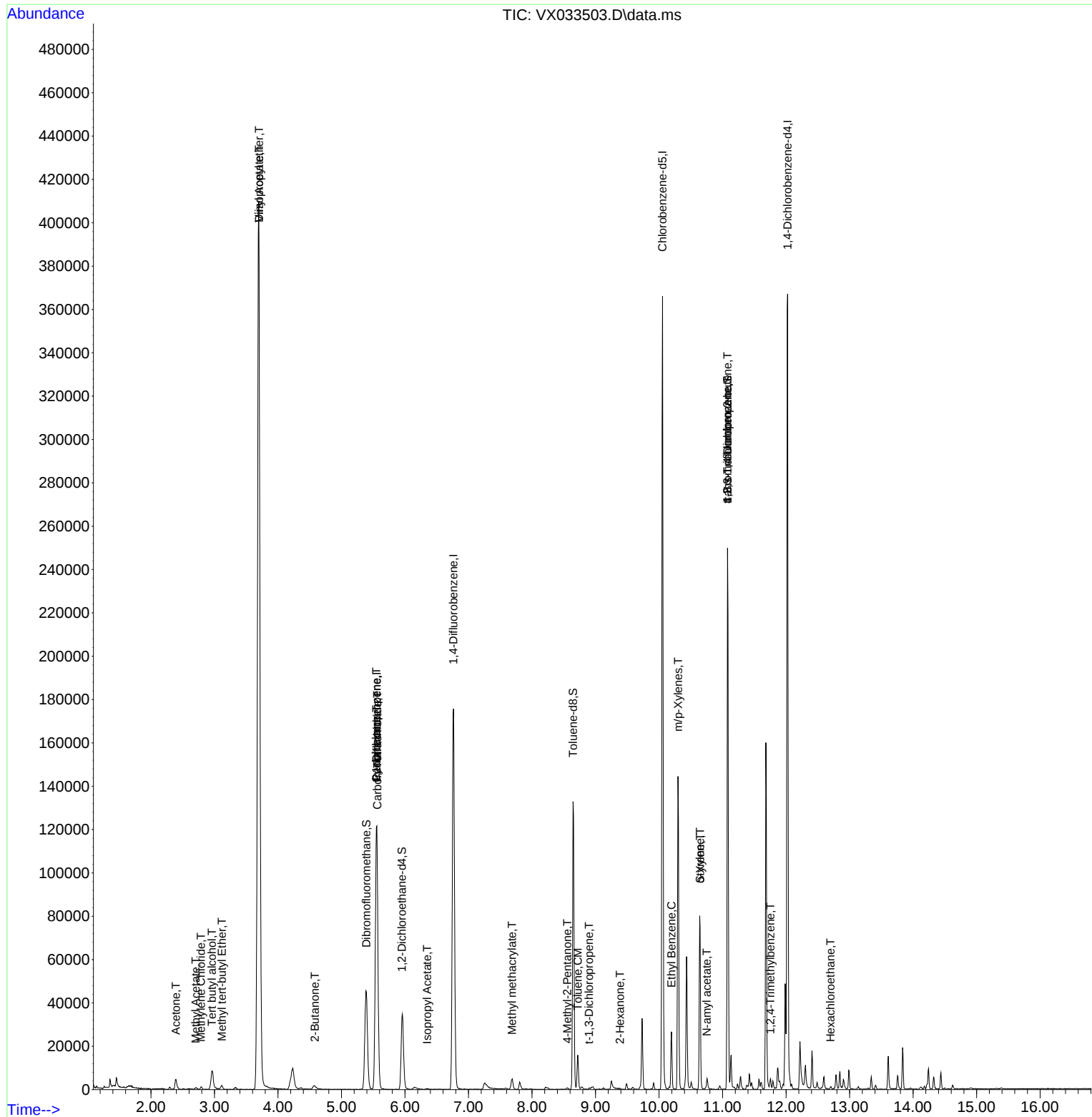
Internal Standards						
1) Pentafluorobenzene	5.556	168	118810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	35928	47.137	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.280%		
35) Dibromofluoromethane	5.391	113	41442	49.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.140%		
50) Toluene-d8	8.647	98	81520	46.137	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.280%		
62) 4-Bromofluorobenzene	11.079	95	63327	46.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.740%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.959	59	2353	10.097	ug/l #	91
16) Acetone	2.392	43	6145	10.895	ug/l	100
18) Methyl Acetate	2.703	43	1165	0.714	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	1884	0.505	ug/l	98
20) Methylene Chloride	2.788	84	660	0.525	ug/l #	72
22) Diisopropyl ether	3.703	45	12334	3.347	ug/l #	1
23) Vinyl Acetate	3.703	43	905	0.316	ug/l #	72
25) 2-Butanone	4.580	43	596	0.736	ug/l #	47
31) Cyclohexane	5.550	56	2107	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9101	5.527	ug/l #	45
38) Carbon Tetrachloride	5.562	117	12246	6.637	ug/l #	15
43) Isopropyl Acetate	6.348	43	560	0.224	ug/l #	61
48) Methyl methacrylate	7.684	41	2237	1.731	ug/l #	33
51) 4-Methyl-2-Pentanone	8.555	43	388	0.245	ug/l #	36
52) Toluene	8.720	92	6054	1.950	ug/l	98
53) t-1,3-Dichloropropene	8.897	75	260	2.632	ug/l #	43
59) 2-Hexanone	9.384	43	398	0.341	ug/l #	25
67) Ethyl Benzene	10.195	91	15430	2.624	ug/l	97
68) m/p-Xylenes	10.299	106	33340	14.574	ug/l	100
69) o-Xylene	10.646	106	17884	7.909	ug/l	99
70) Styrene	10.646	104	906	0.245	ug/l #	1
74) N-amyl acetate	10.750	43	715	0.366	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	33171	20.627	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33171	64.165	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	2129	0.447	ug/l	95
90) Hexachloroethane	12.701	117	168	0.207	ug/l #	12

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

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MSVOA_X
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Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

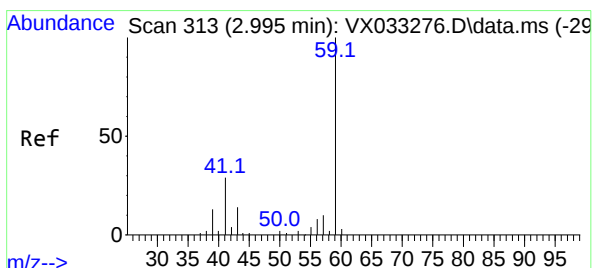
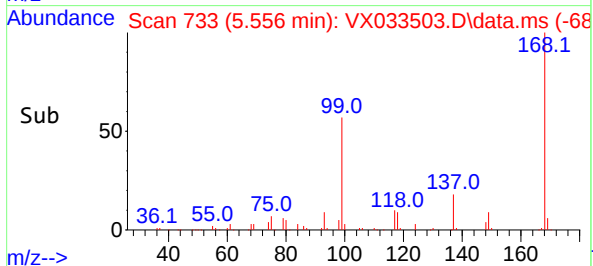
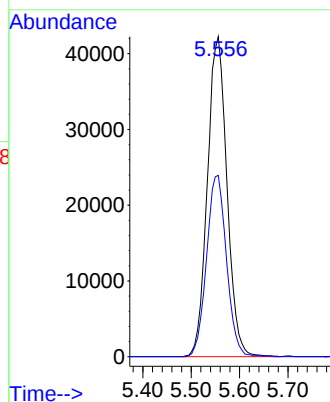
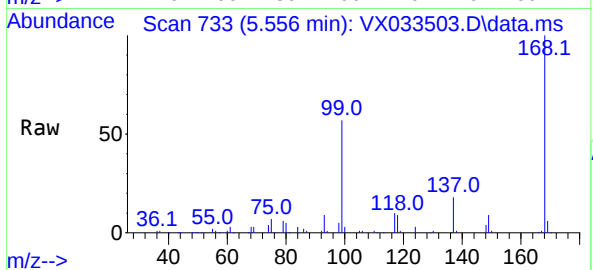




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

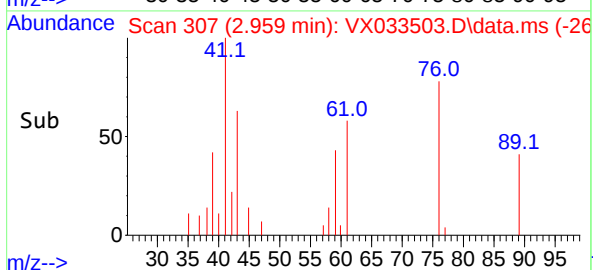
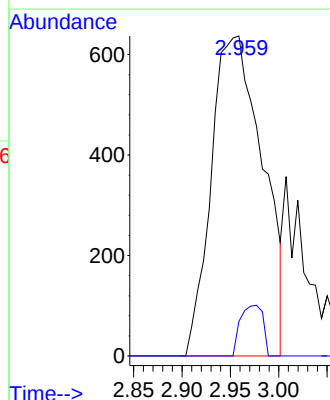
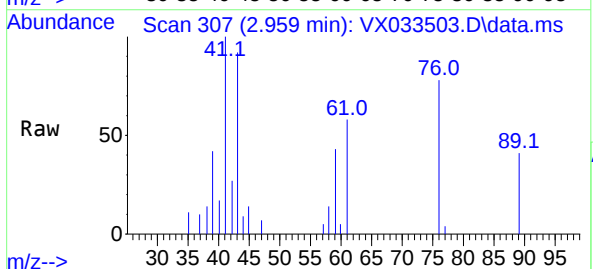
Instrument :
MSVOA_X
ClientSampleId :
PARAM-1

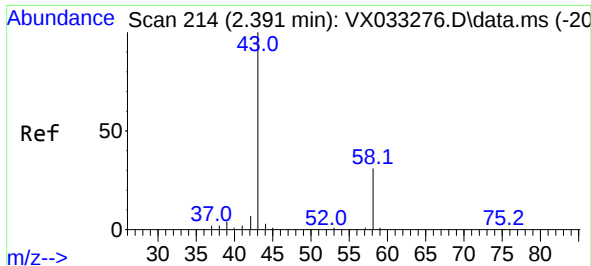
Tgt Ion:168 Resp: 118810
Ion Ratio Lower Upper
168 100
99 56.7 46.1 69.1



#11
Tert butyl alcohol
Concen: 10.097 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.036 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 59 Resp: 2353
Ion Ratio Lower Upper
59 100
57 7.0 8.2 12.4#

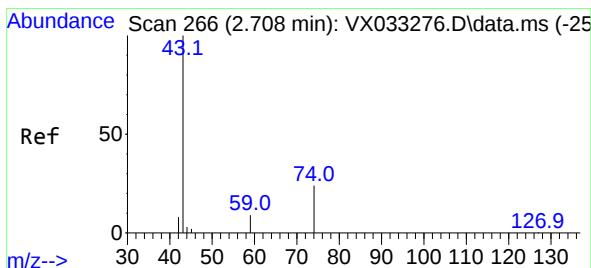
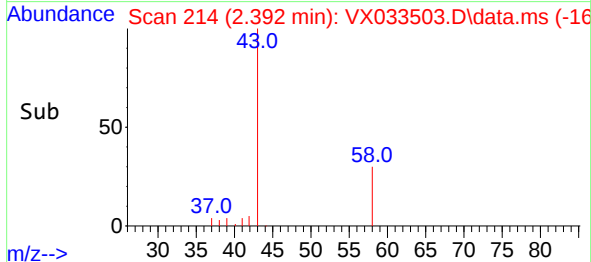
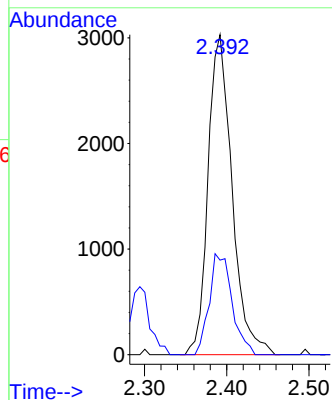
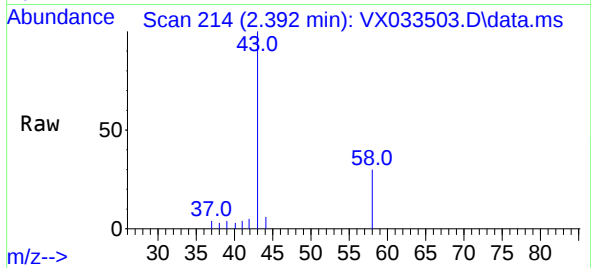




#16
Acetone
Concen: 10.895 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

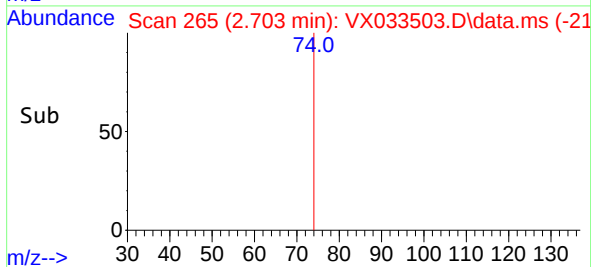
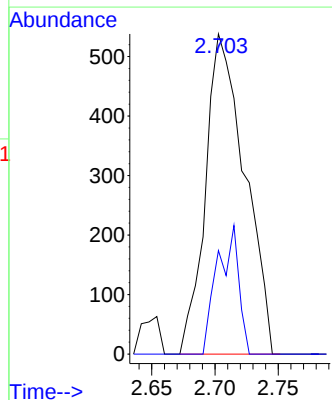
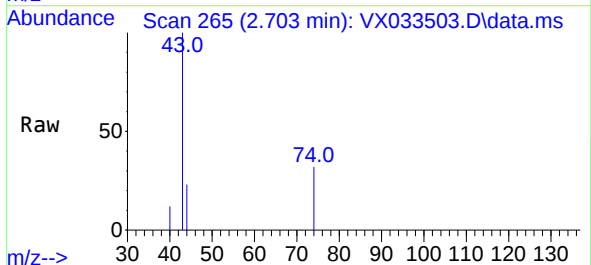
Instrument :
MSVOA_X
ClientSampleId :
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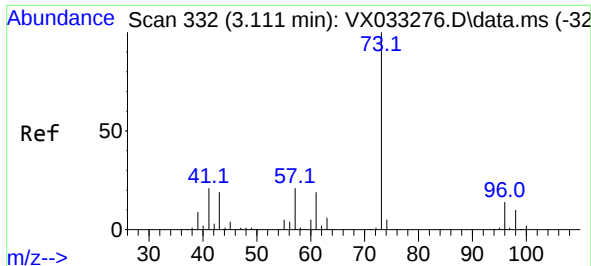
Tgt Ion: 43 Resp: 6145
Ion Ratio Lower Upper
43 100
58 29.6 23.8 35.8



#18
Methyl Acetate
Concen: 0.714 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 43 Resp: 1165
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.0

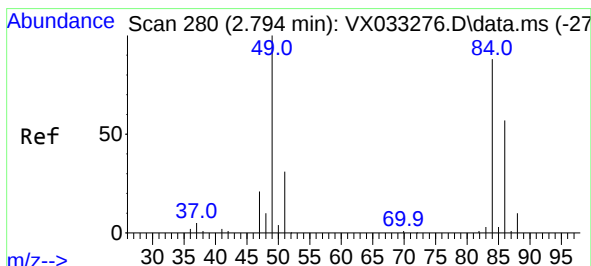
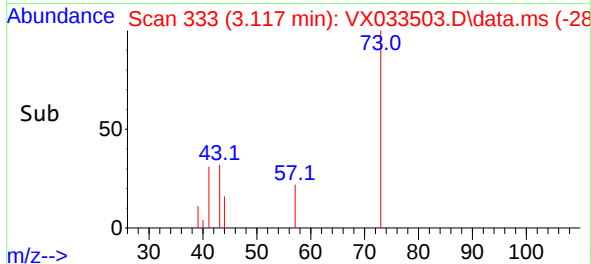
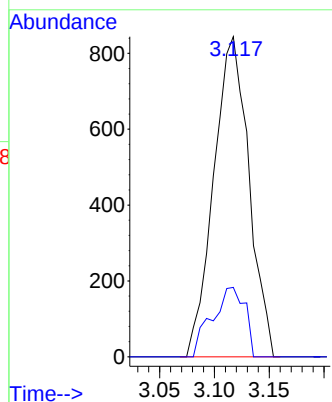
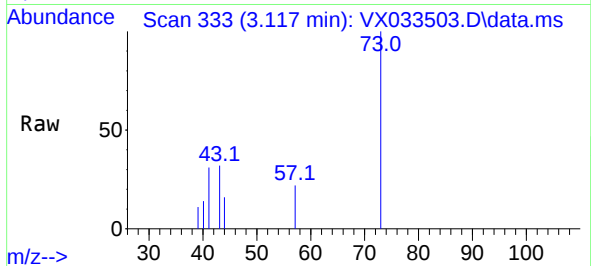




#19
Methyl tert-butyl Ether
Concen: 0.505 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

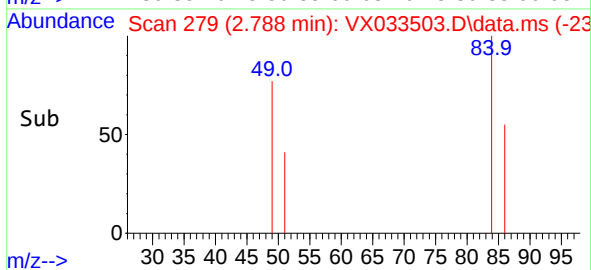
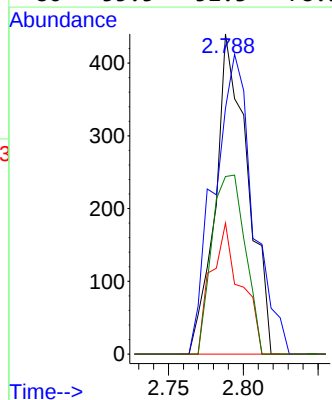
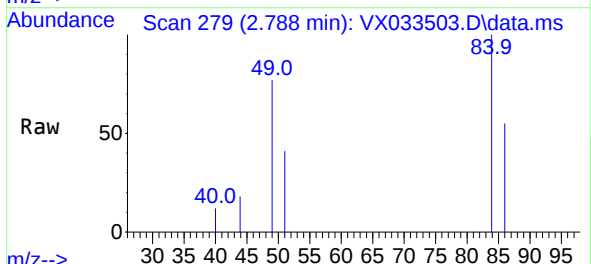
Instrument :
MSVOA_X
ClientSampleId :
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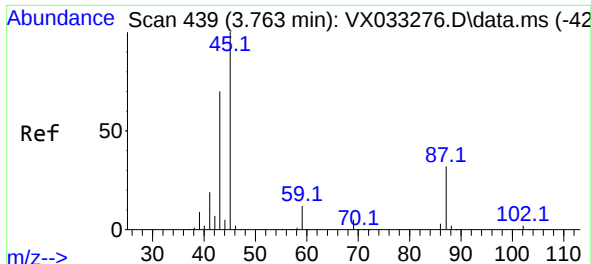
Tgt Ion: 73 Resp: 1884
Ion Ratio Lower Upper
73 100
57 21.7 16.6 25.0



#20
Methylene Chloride
Concen: 0.525 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 84 Resp: 660
Ion Ratio Lower Upper
84 100
49 76.8 101.0 151.6#
51 40.9 31.1 46.7
86 55.5 52.3 78.5

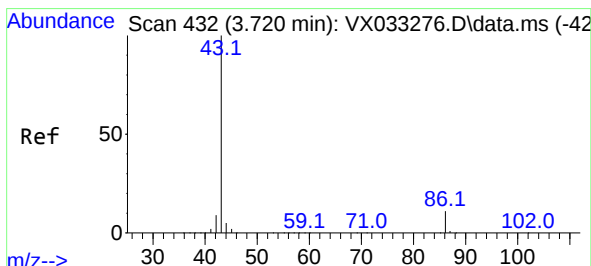
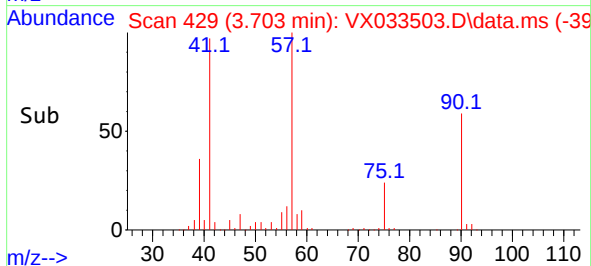
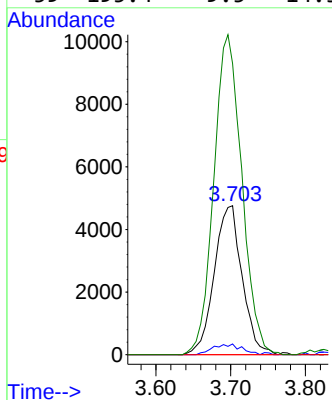
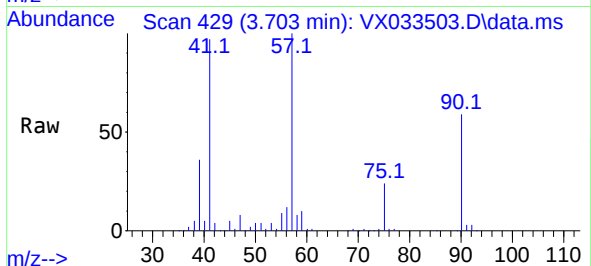




#22
Diisopropyl ether
Concen: 3.347 ug/l
RT: 3.703 min Scan# 41
Delta R.T. -0.061 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

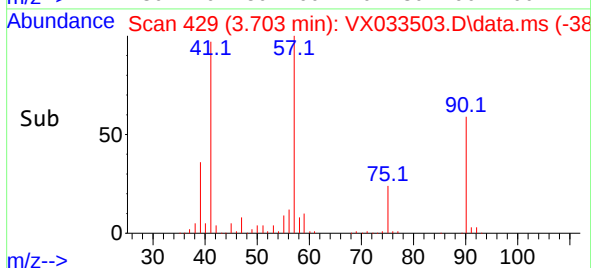
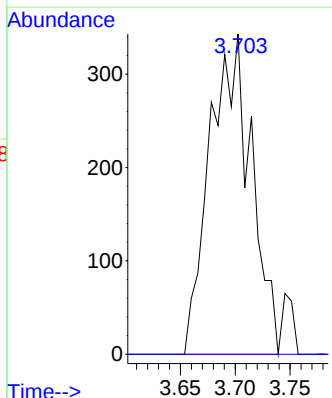
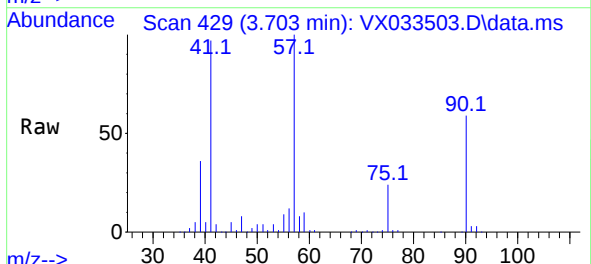
Instrument :
MSVOA_X
ClientSampleId :
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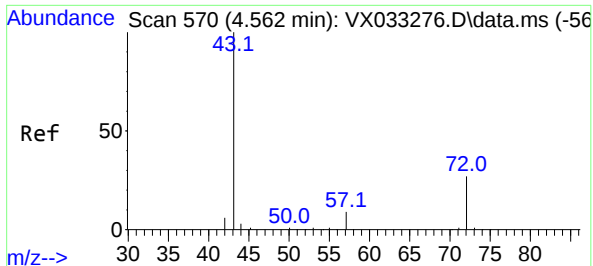
Tgt Ion: 45	Resp: 12334
Ion Ratio	Lower Upper
45 100	
43 7.2	56.4 84.6#
87 0.0	24.4 36.6#
59 195.4	9.5 14.3#



#23
Vinyl Acetate
Concen: 0.316 ug/l
RT: 3.703 min Scan# 429
Delta R.T. -0.018 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 43	Resp: 905		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	8.6	12.8#	

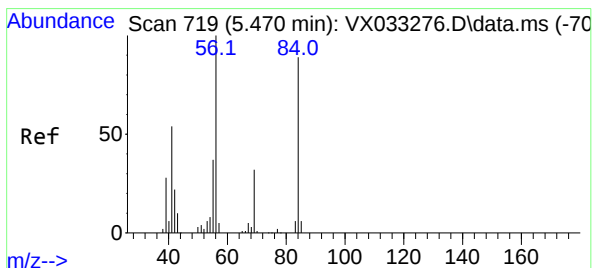
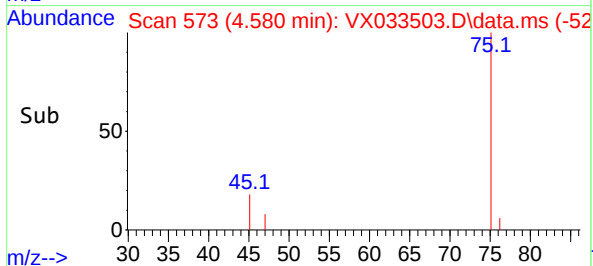
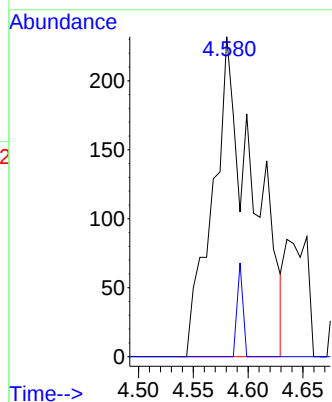
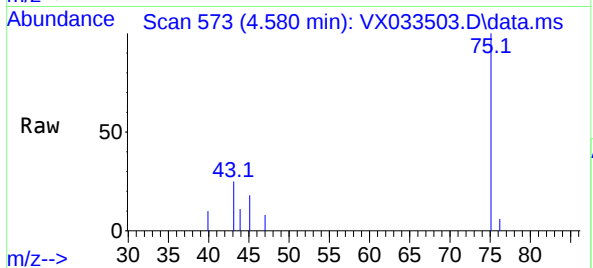




#25
2-Butanone
Concen: 0.736 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

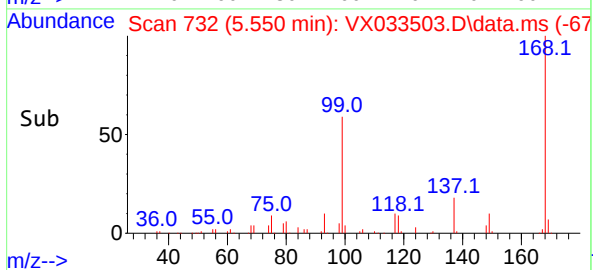
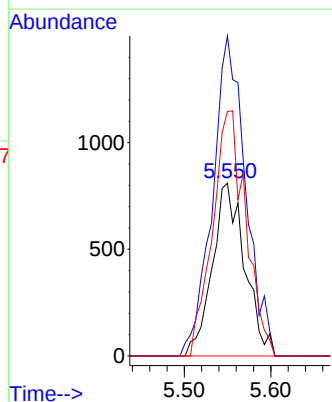
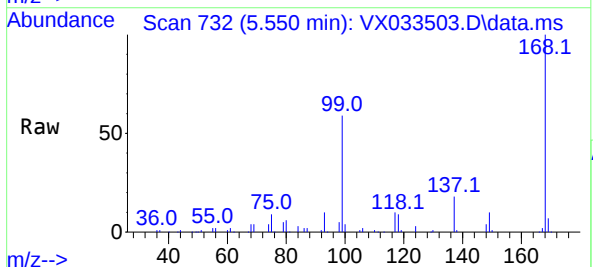
Instrument :
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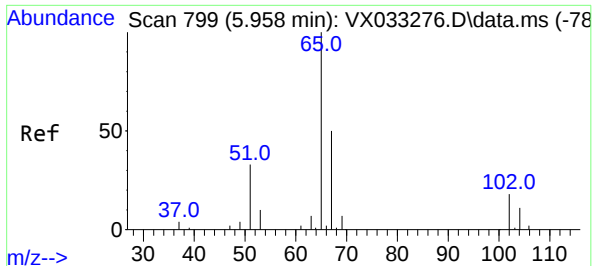
Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 56 Resp: 2107
Ion Ratio Lower Upper
56 100
69 185.2 24.1 36.1#
84 141.5 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 47.137 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033503.D

Acq: 20 Dec 2022 13:22

Instrument :

MSVOA_X

ClientSampleId :

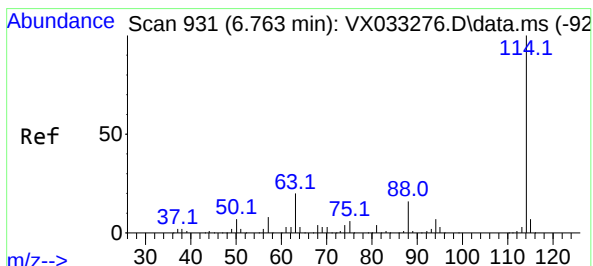
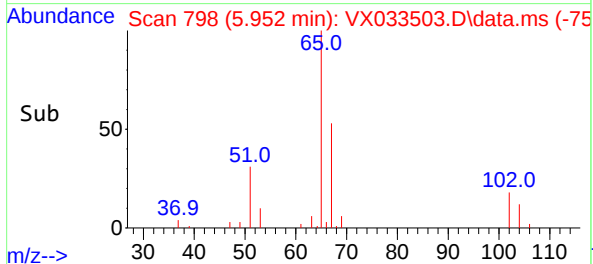
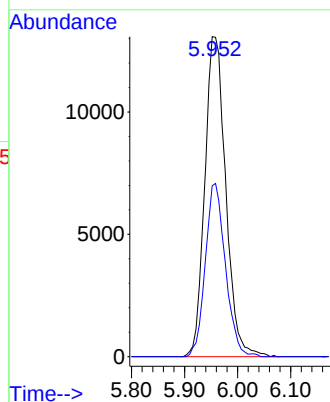
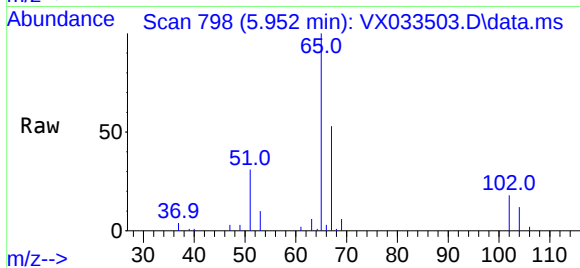
PARAM-1

Tgt Ion: 65 Resp: 35928

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033503.D

Acq: 20 Dec 2022 13:22

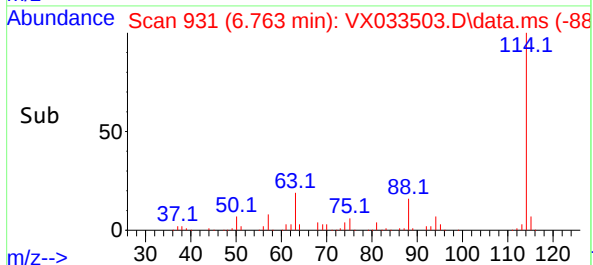
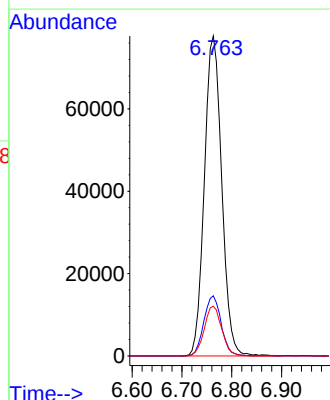
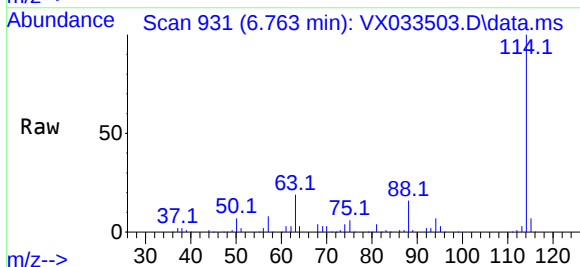
Tgt Ion:114 Resp: 187785

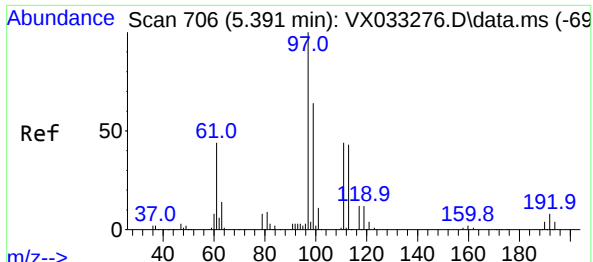
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

88 15.5 0.0 33.4

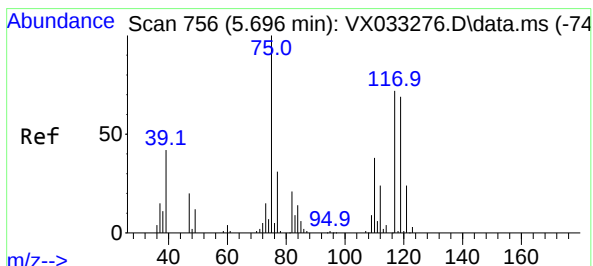
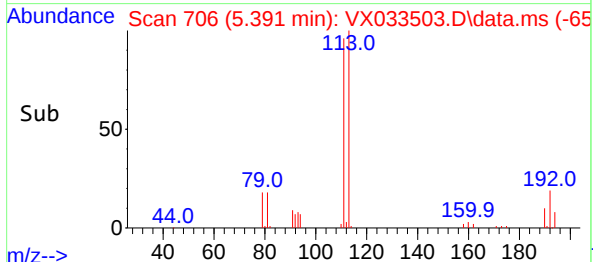
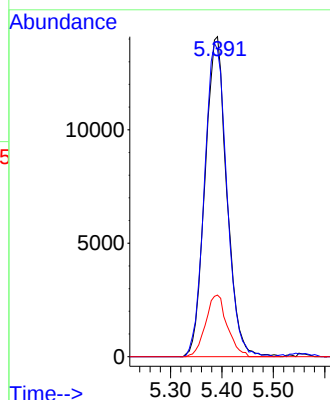
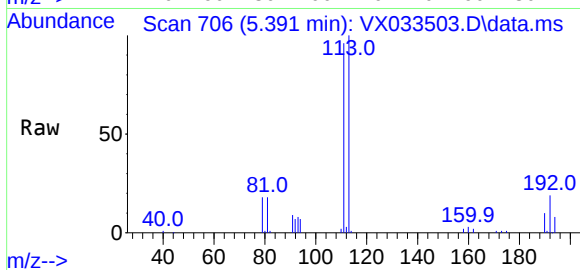




#35
Dibromofluoromethane
Concen: 49.066 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

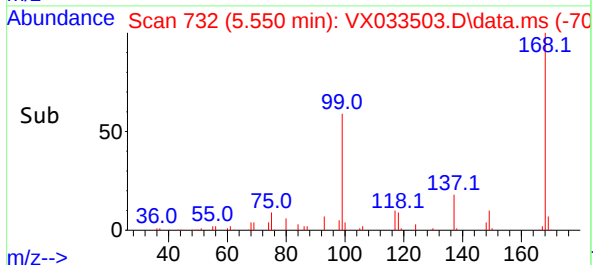
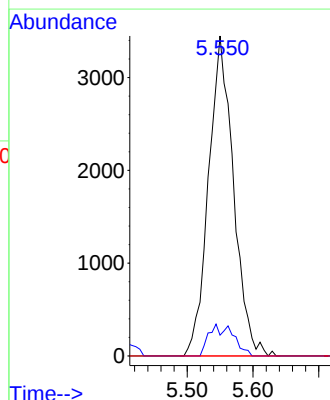
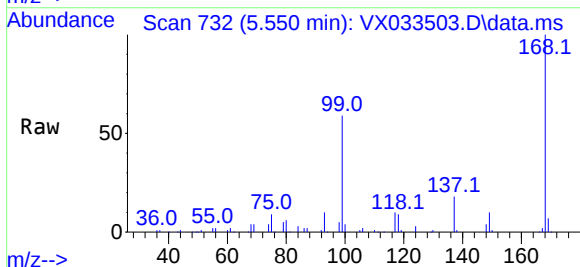
Instrument :
MSVOA_X
ClientSampleId :
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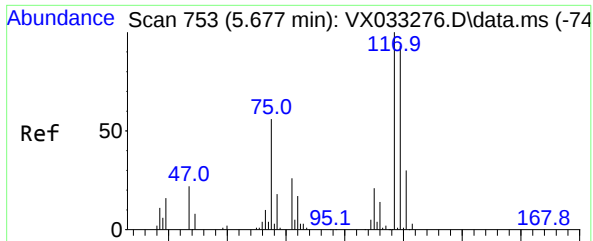
Tgt Ion:113 Resp: 41442
Ion Ratio Lower Upper
113 100
111 100.7 82.4 123.6
192 19.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.527 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 75 Resp: 9101
Ion Ratio Lower Upper
75 100
110 4.7 18.4 55.2#
77 0.0 24.5 36.7#

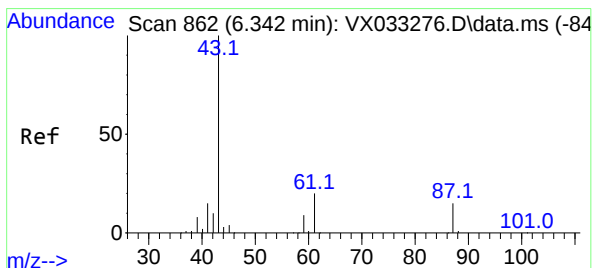
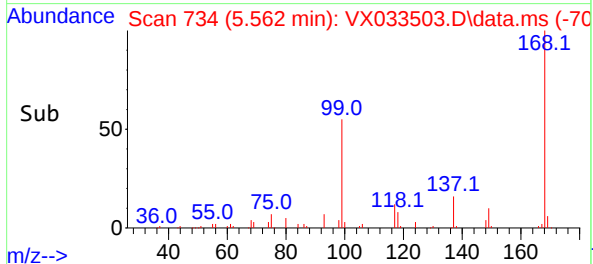
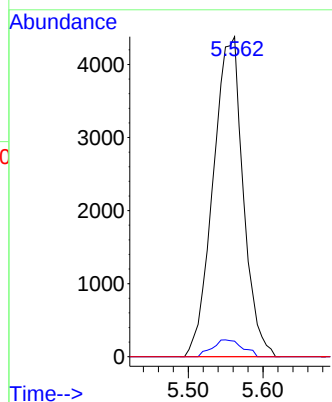
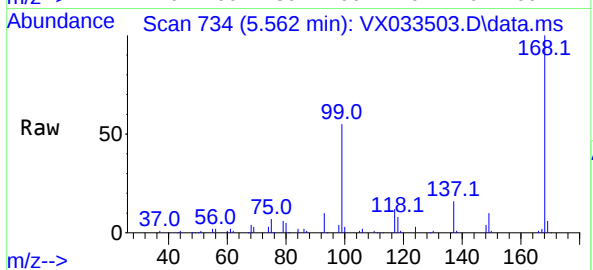




#38
Carbon Tetrachloride
Concen: 6.637 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

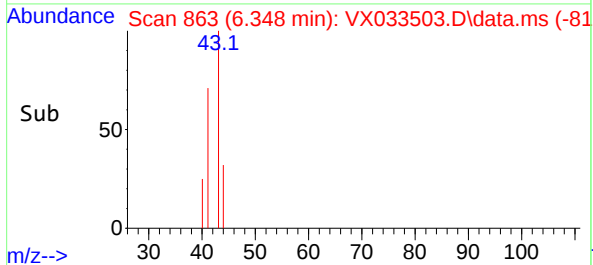
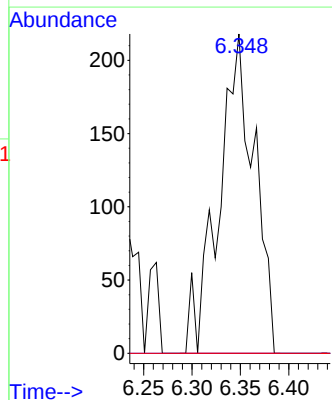
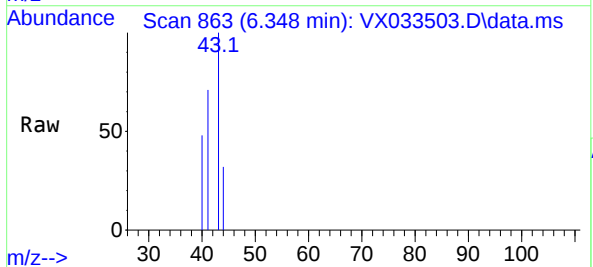
Instrument :
MSVOA_X
ClientSampleId :
PARAM-1

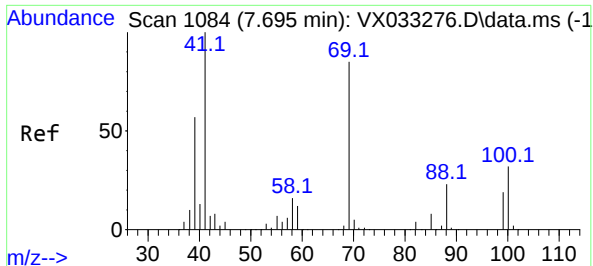
Tgt Ion:117 Resp: 12246
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 0.224 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 43 Resp: 560
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.8 16.2#

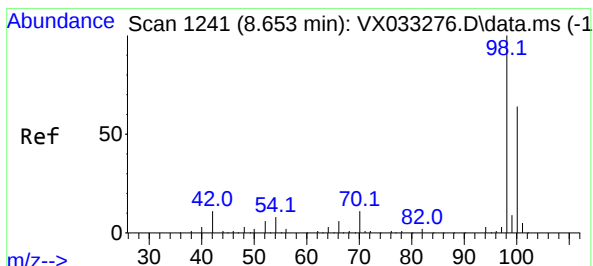
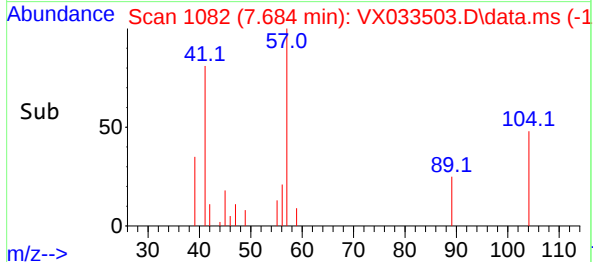
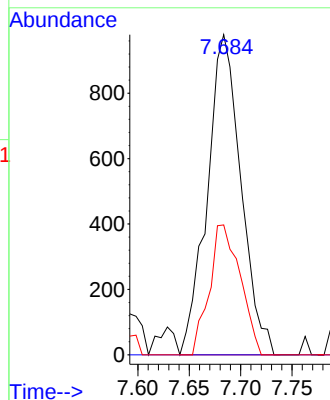
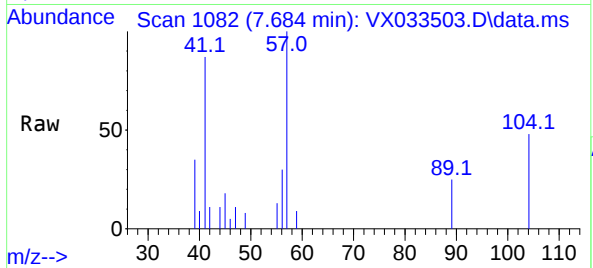




#48
Methyl methacrylate
Concen: 1.731 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.012 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

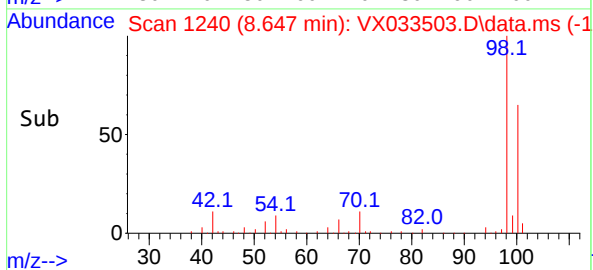
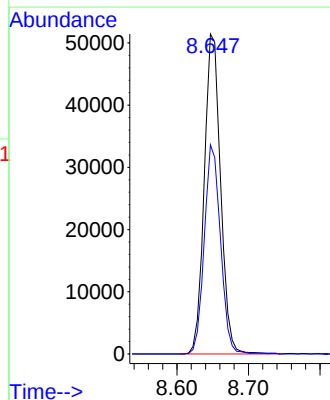
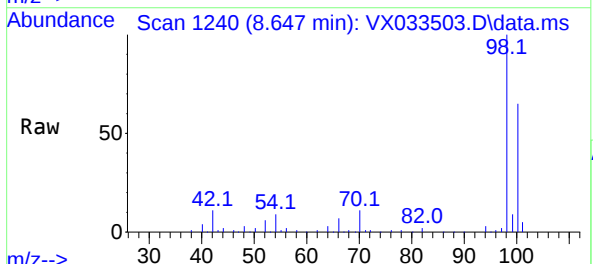
Instrument :
MSVOA_X
ClientSampleId :
PARAM-1

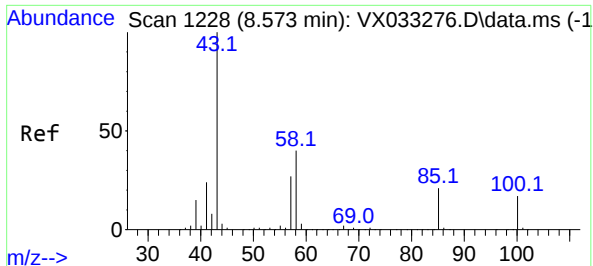
Tgt Ion: 41 Resp: 2237
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 37.0 51.9 77.9#



#50
Toluene-d8
Concen: 46.137 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 98 Resp: 81520
Ion Ratio Lower Upper
98 100
100 64.9 50.9 76.3

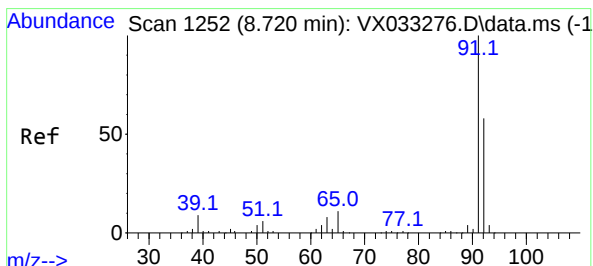
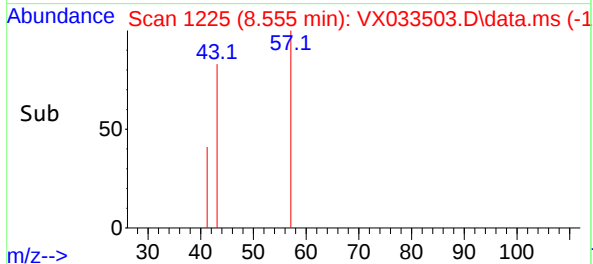
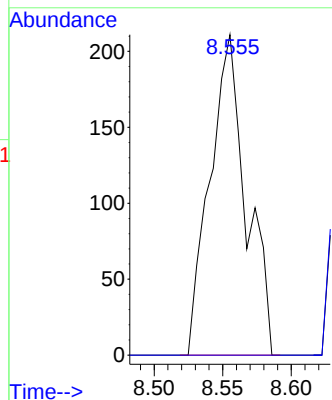
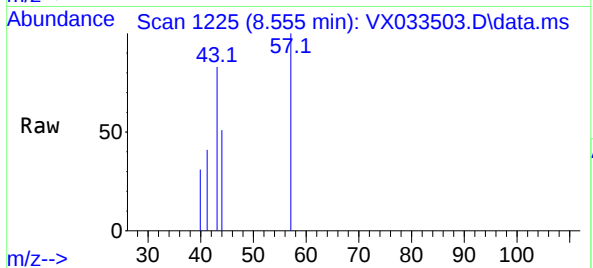




#51
4-Methyl-2-Pentanone
Concen: 0.245 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

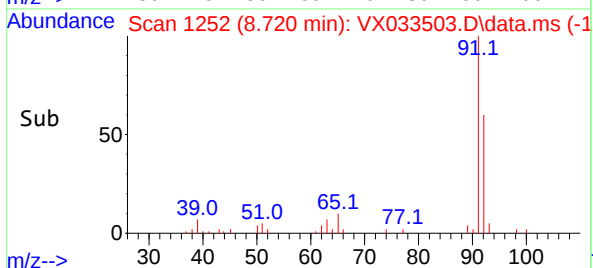
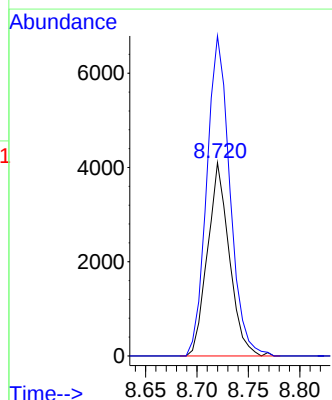
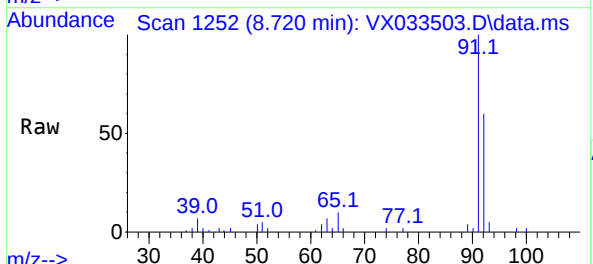
Instrument :
MSVOA_X
ClientSampleId :
PARAM-1

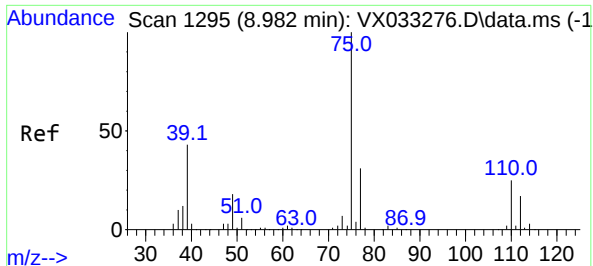
Tgt Ion: 43 Resp: 388
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#52
Toluene
Concen: 1.950 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 92 Resp: 6054
Ion Ratio Lower Upper
92 100
91 175.7 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 2.632 ug/l

RT: 8.897 min Scan# 11

Delta R.T. -0.085 min

Lab File: VX033503.D

Acq: 20 Dec 2022 13:22

Instrument :

MSVOA_X

ClientSampleId :

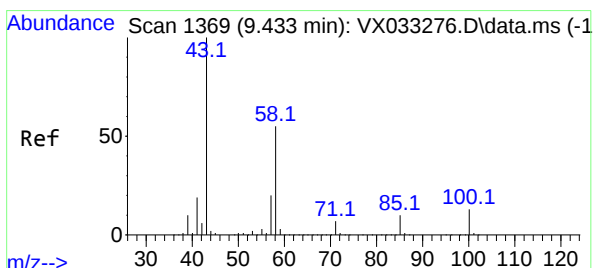
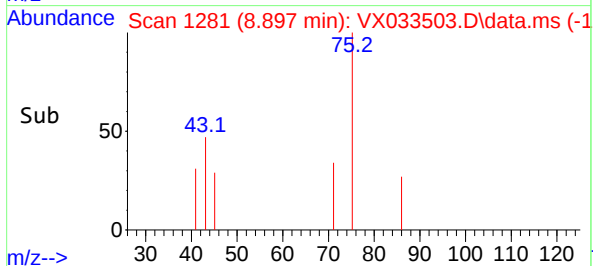
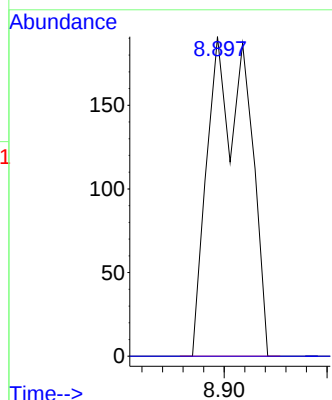
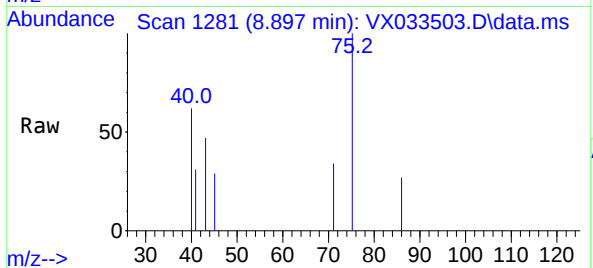
PARAM-1

Tgt Ion: 75 Resp: 260

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#59

2-Hexanone

Concen: 0.341 ug/l

RT: 9.384 min Scan# 1361

Delta R.T. -0.048 min

Lab File: VX033503.D

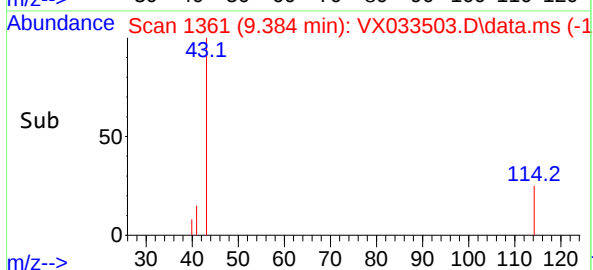
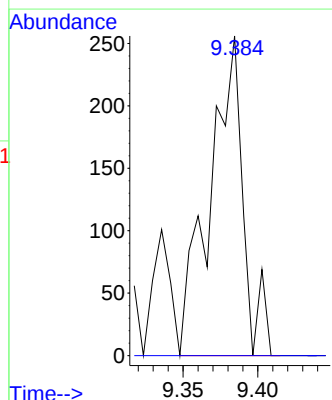
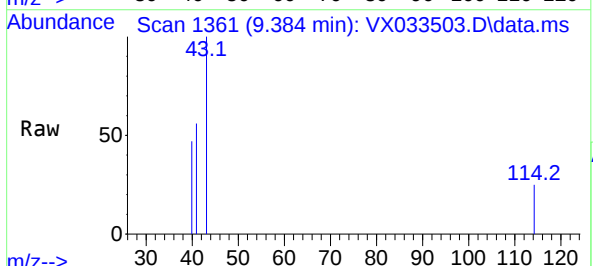
Acq: 20 Dec 2022 13:22

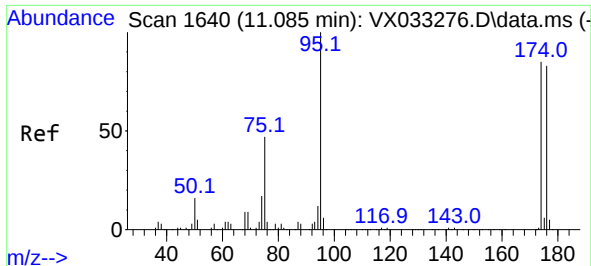
Tgt Ion: 43 Resp: 398

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#

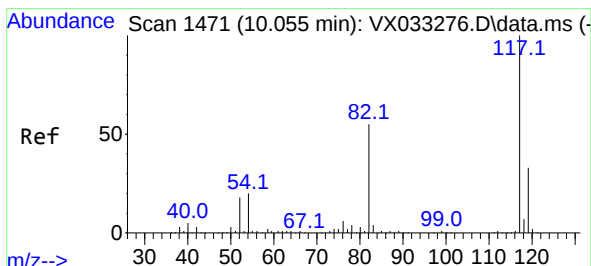
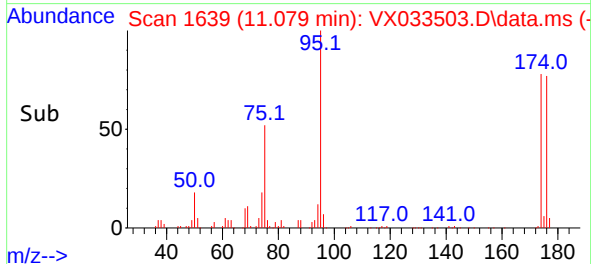
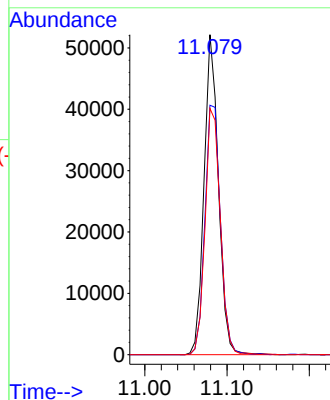
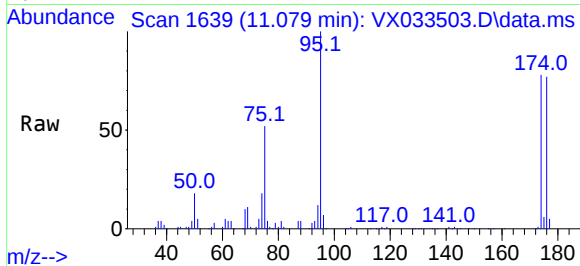




#62
4-Bromofluorobenzene
Concen: 46.874 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

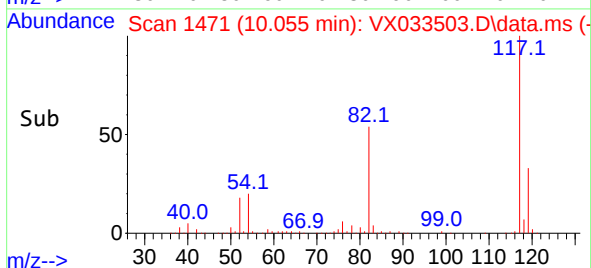
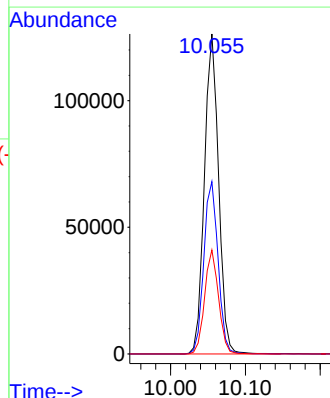
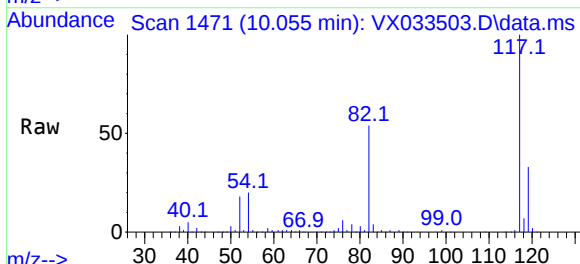
Instrument :
MSVOA_X
ClientSampleId :
PARAM-1

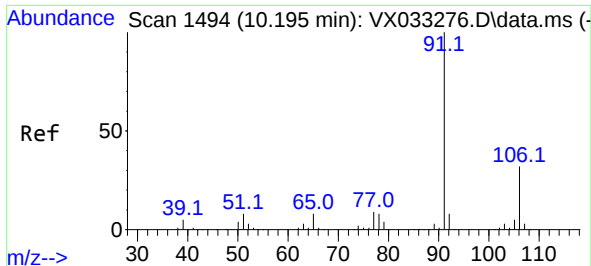
Tgt Ion: 95 Resp: 63327
Ion Ratio Lower Upper
95 100
174 84.6 0.0 164.0
176 81.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 117 Resp: 166661
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 32.5 25.7 38.5





#67

Ethyl Benzene

Concen: 2.624 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX033503.D

Acq: 20 Dec 2022 13:22

Instrument :

MSVOA_X

ClientSampleId :

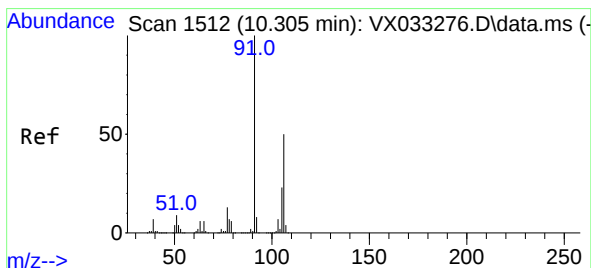
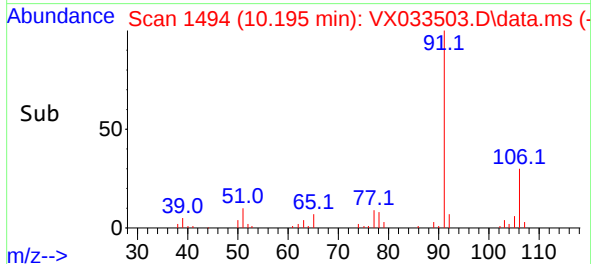
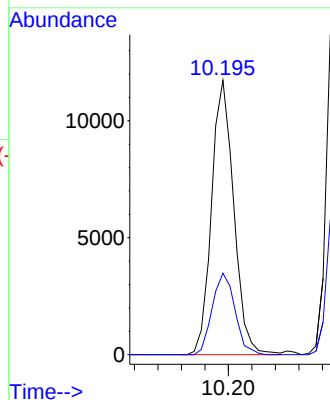
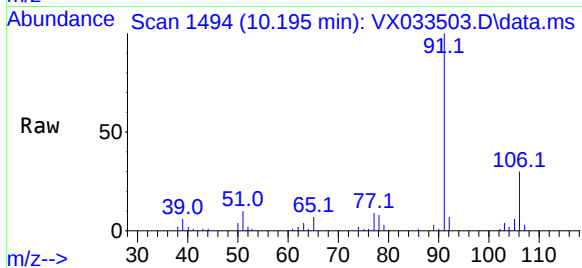
PARAM-1

Tgt Ion: 91 Resp: 15430

Ion Ratio Lower Upper

91 100

106 29.7 25.0 37.6



#68

m/p-Xylenes

Concen: 14.574 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX033503.D

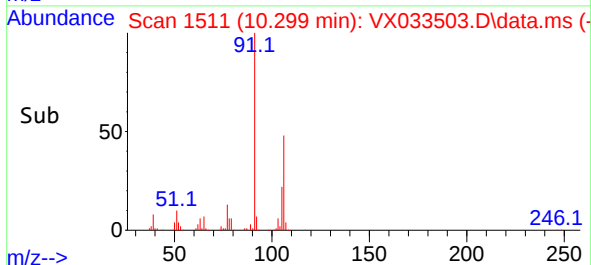
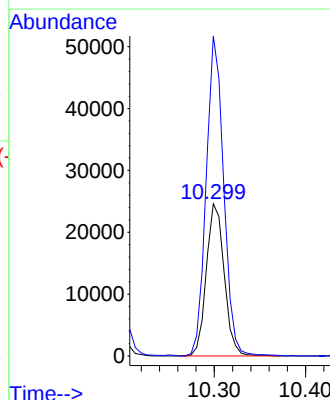
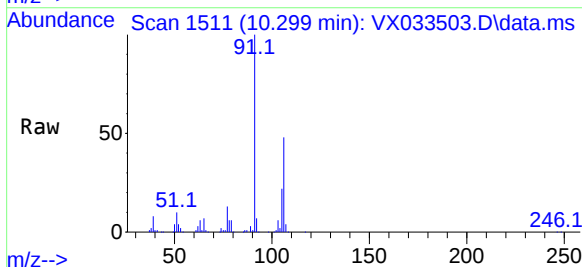
Acq: 20 Dec 2022 13:22

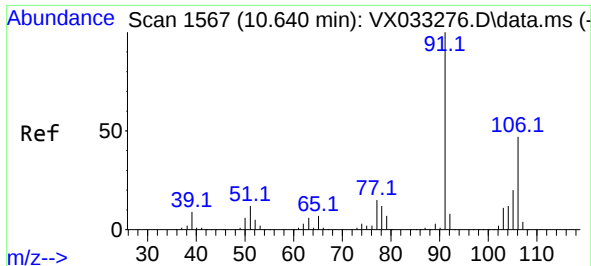
Tgt Ion: 106 Resp: 33340

Ion Ratio Lower Upper

106 100

91 205.9 164.5 246.7

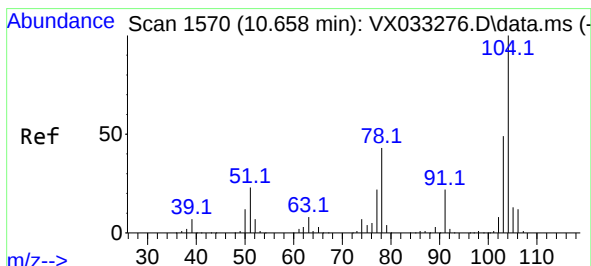
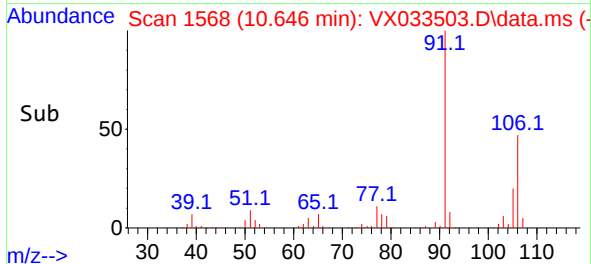
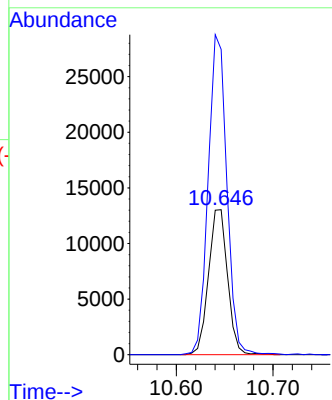
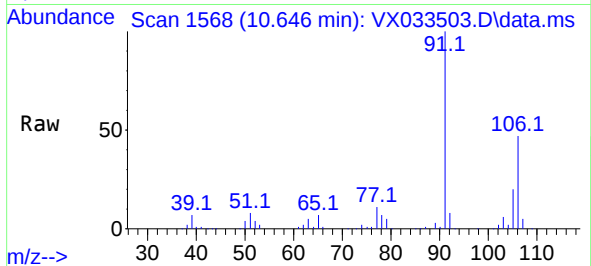




#69
o-Xylene
Concen: 7.909 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

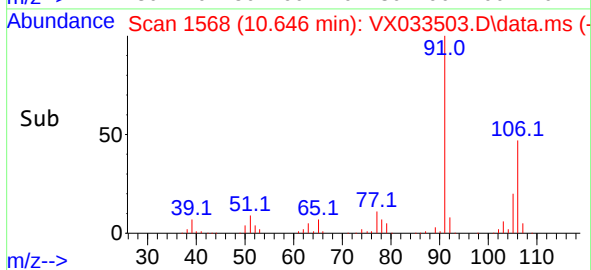
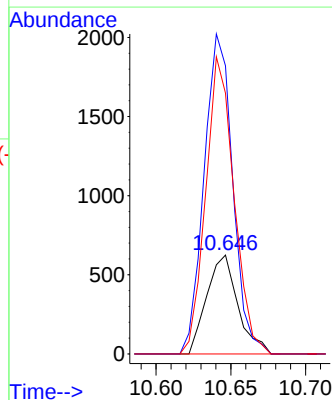
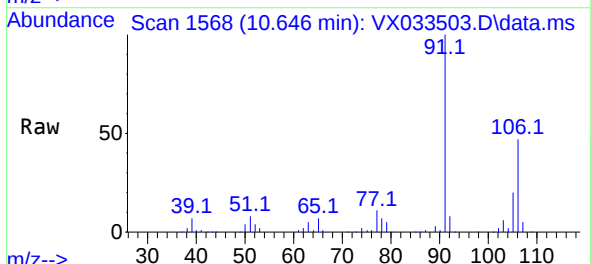
Instrument :
MSVOA_X
ClientSampleId :
PARAM-1

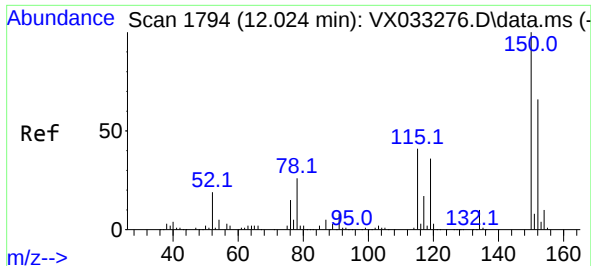
Tgt Ion:106 Resp: 17884
Ion Ratio Lower Upper
106 100
91 216.3 109.2 327.6



#70
Styrene
Concen: 0.245 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. -0.012 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

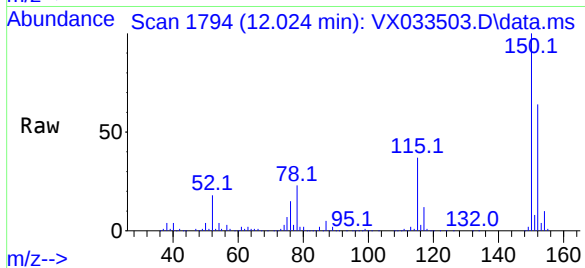
Tgt Ion:104 Resp: 906
Ion Ratio Lower Upper
104 100
78 297.1 41.8 62.8#
103 272.4 44.5 66.7#



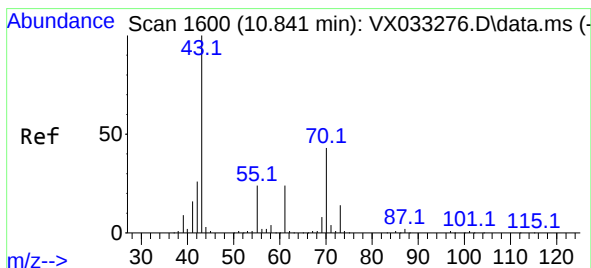
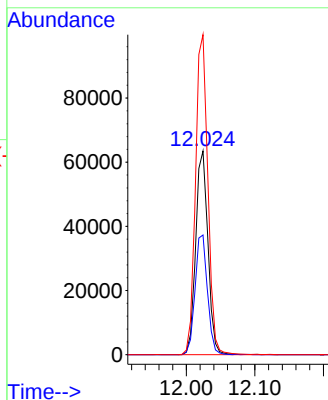
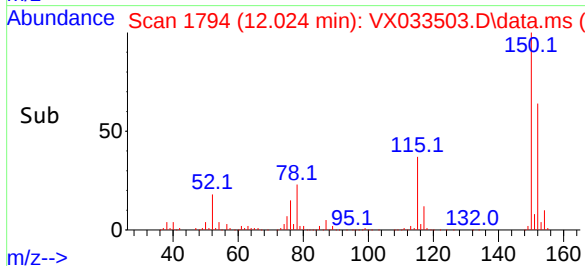


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

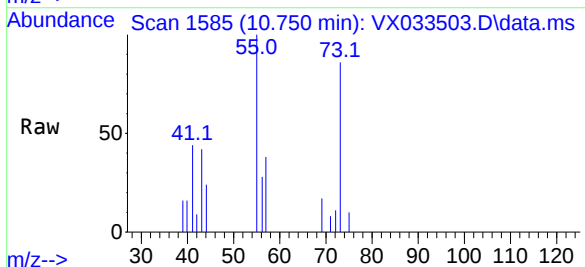
Instrument :
MSVOA_X
ClientSampleId :
PARAM-1



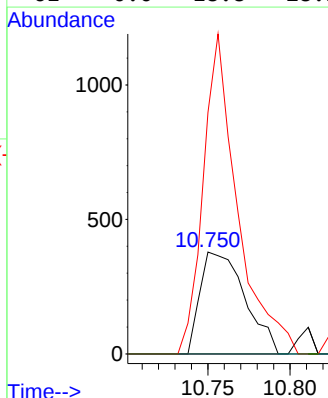
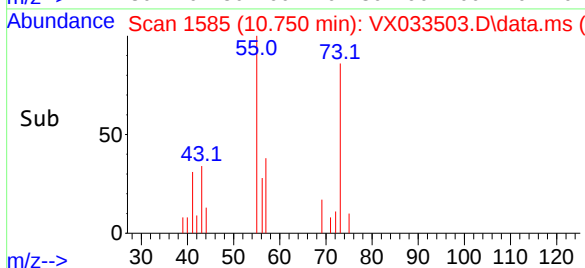
Tgt Ion:152 Resp: 79041
Ion Ratio Lower Upper
152 100
115 59.6 44.0 132.0
150 158.5 0.0 351.8

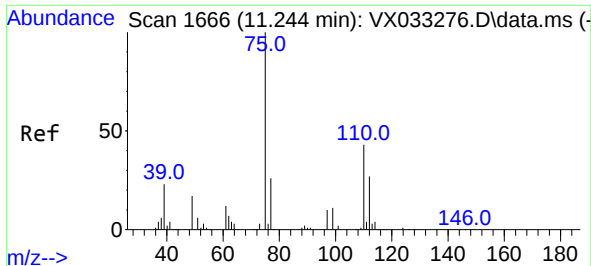


#74
N-ethyl acetate
Concen: 0.366 ug/l
RT: 10.750 min Scan# 1585
Delta R.T. -0.091 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22



Tgt Ion: 43 Resp: 715
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 241.0 19.4 29.2#
61 0.0 18.8 28.2#

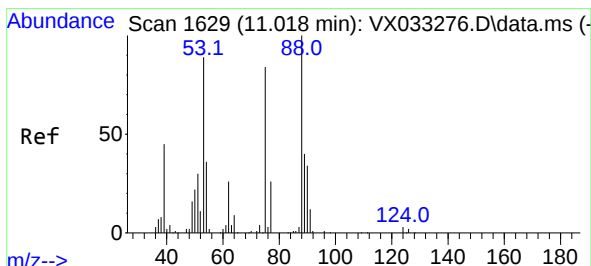
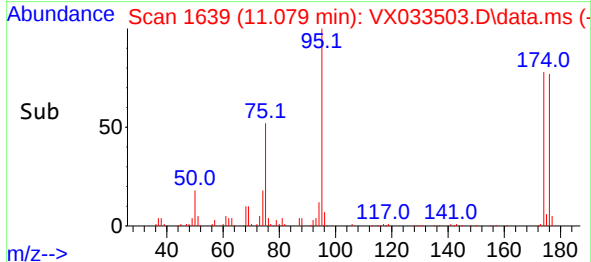
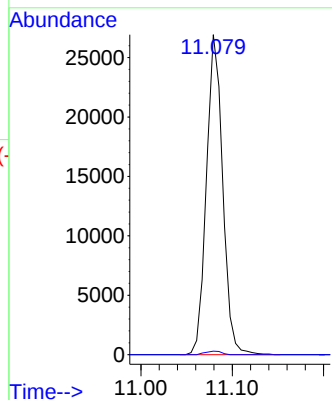
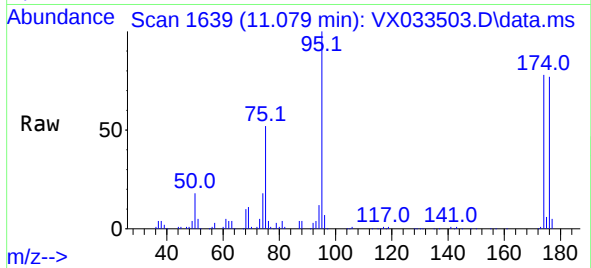




#76
1,2,3-Trichloropropane
Concen: 20.627 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

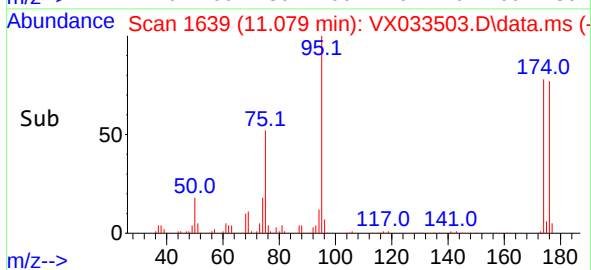
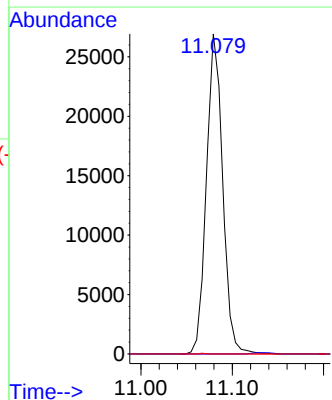
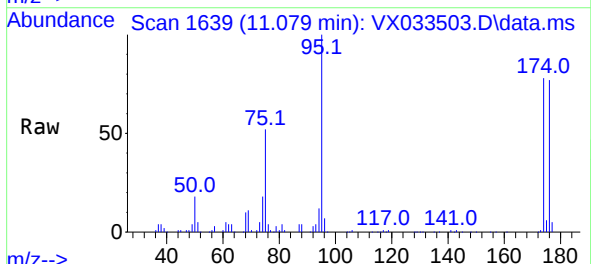
Instrument :
MSVOA_X
ClientSampleId :
PARAM-1

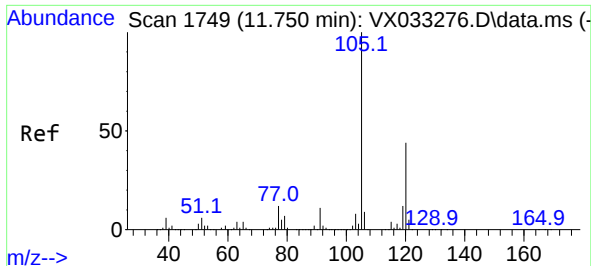
Tgt Ion: 75 Resp: 33171
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.165 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion: 75 Resp: 33171
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#

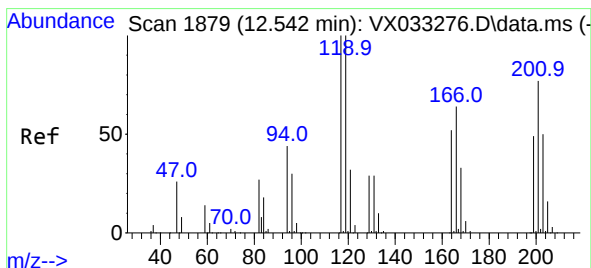
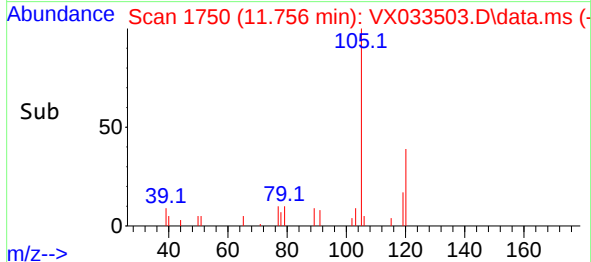
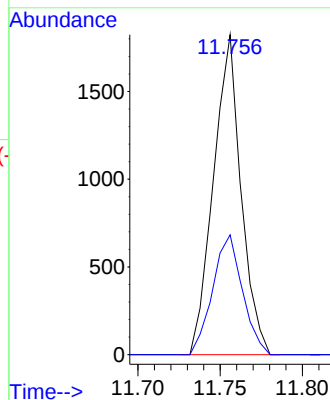
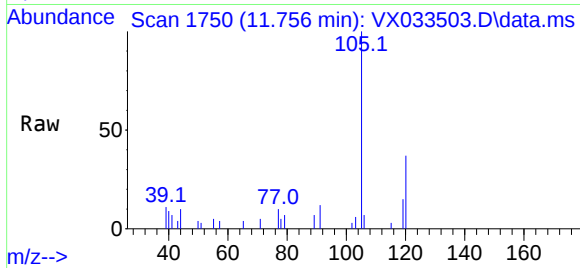




#84
1,2,4-Trimethylbenzene
Concen: 0.447 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Instrument :
MSVOA_X
ClientSampleId :
PARAM-1

Tgt Ion:105 Resp: 2129
Ion Ratio Lower Upper
105 100
120 40.4 21.9 65.5



#90
Hexachloroethane
Concen: 0.207 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.159 min
Lab File: VX033503.D
Acq: 20 Dec 2022 13:22

Tgt Ion:117 Resp: 168
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

