

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035541.D
 Acq On : 05 May 2023 17:11
 Operator : JC/MD
 Sample : PB152615TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

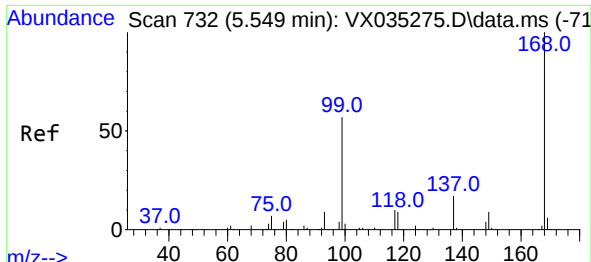
Instrument :
 MSVOA_X
 ClientSampleId :
 PB152615TB

Quant Time: May 08 00:52:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	282764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	477477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	435745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	174775	51.233	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.460%			
35) Dibromofluoromethane	5.385	113	147615	50.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.740%			
50) Toluene-d8	8.647	98	563021	50.928	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.079	95	217271	52.244	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.480%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	1419	0.521	ug/l #	65
6) Chloroethane	1.691	64	335	0.210	ug/l #	42
11) Tert butyl alcohol	2.983	59	4540	7.309	ug/l #	90
16) Acetone	2.386	43	32520	21.949	ug/l	99
18) Methyl Acetate	2.709	43	3125	0.545	ug/l #	89
20) Methylene Chloride	2.788	84	12139	3.573	ug/l	93
25) 2-Butanone	4.568	43	23517	10.875	ug/l	100
29) Tetrahydrofuran	5.038	42	727	0.524	ug/l #	62
30) Chloroform	5.092	83	1931	0.355	ug/l #	42
31) Cyclohexane	5.544	56	5495	1.136	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	21492	4.697	ug/l #	51
37) Ethyl Acetate	4.714	43	58319	13.954	ug/l #	95
38) Carbon Tetrachloride	5.550	117	27434	6.315	ug/l #	16
43) Isopropyl Acetate	6.336	43	226268	32.219	ug/l	97
48) Methyl methacrylate	7.799	41	188831	54.815	ug/l #	43
49) 1,4-Dioxane	7.805	88	277	3.299	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	169855	39.368	ug/l #	50
52) Toluene	8.720	92	2301	0.277	ug/l	99
53) t-1,3-Dichloropropene	8.952	75	1511	0.346	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	81894	16.569	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	9666	1.704	ug/l #	42
59) 2-Hexanone	9.482	43	133800	41.280	ug/l #	53
74) N-amyl acetate	10.774	43	3407	0.599	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	105571	25.552	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	105571	82.759	ug/l #	8

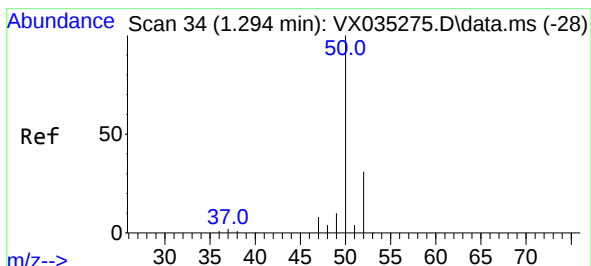
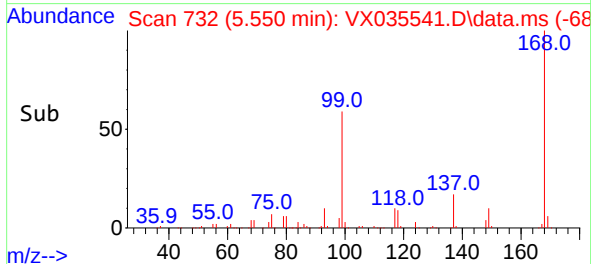
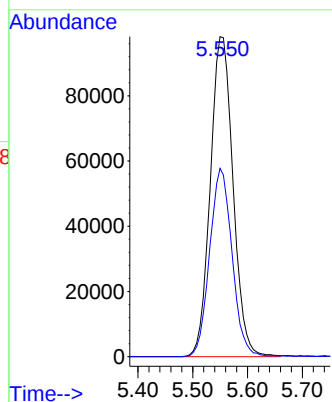
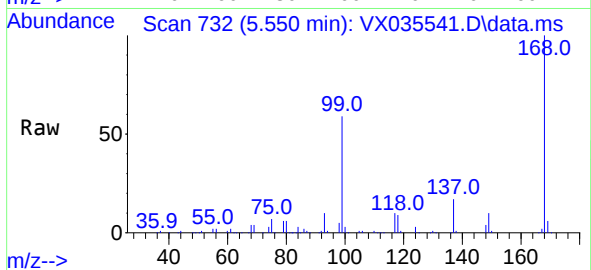
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

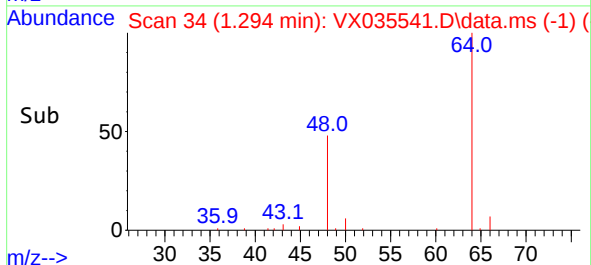
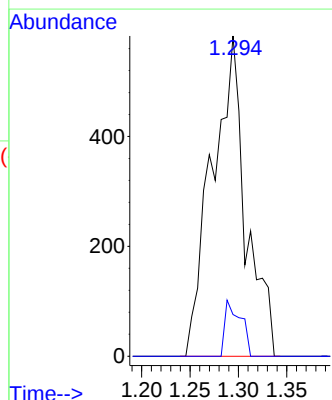
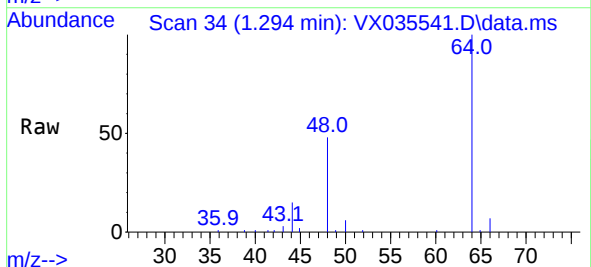
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

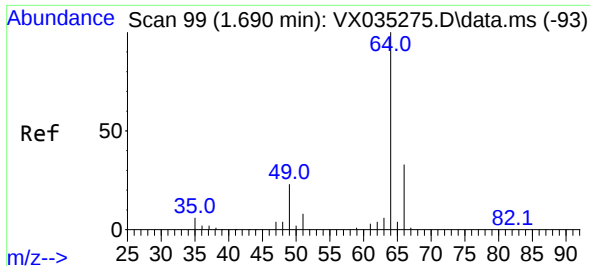
Tgt Ion:168 Resp: 282764
Ion Ratio Lower Upper
168 100
99 58.8 45.7 68.5



#3
Chloromethane
Concen: 0.521 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 50 Resp: 1419
Ion Ratio Lower Upper
50 100
52 13.0 25.9 38.9#

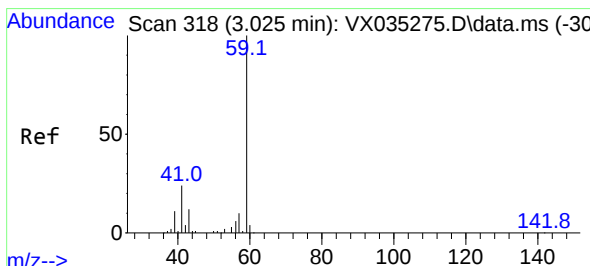
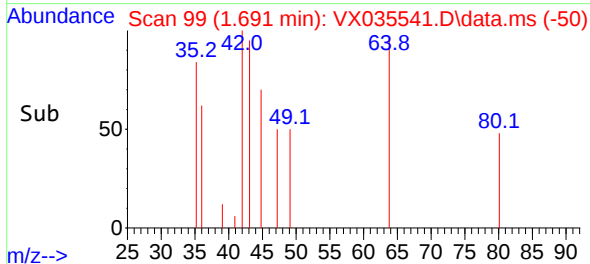
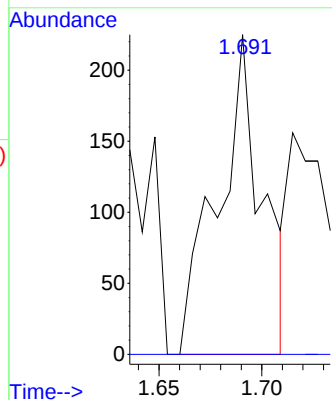
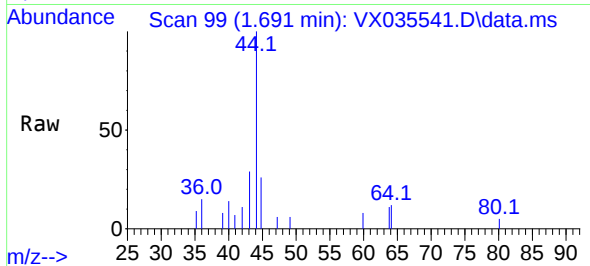




#6
Chloroethane
Concen: 0.210 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.001 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

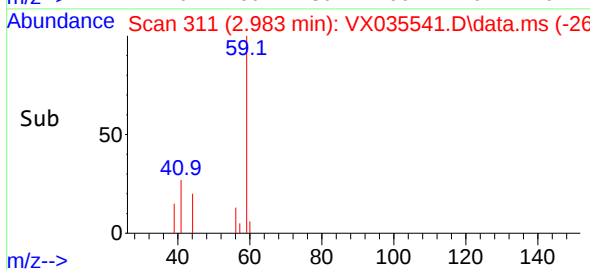
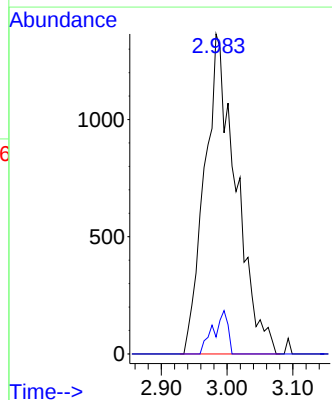
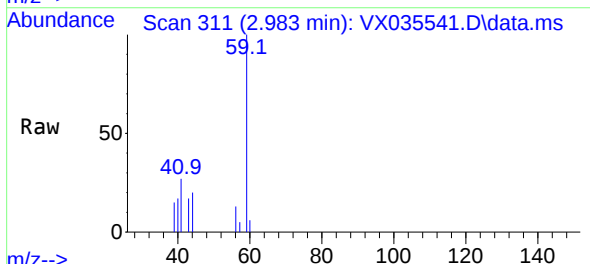
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

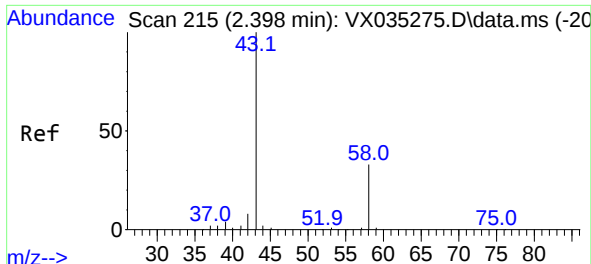
Tgt Ion: 64 Resp: 335
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 7.309 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.042 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 59 Resp: 4540
Ion Ratio Lower Upper
59 100
57 6.3 8.1 12.1#

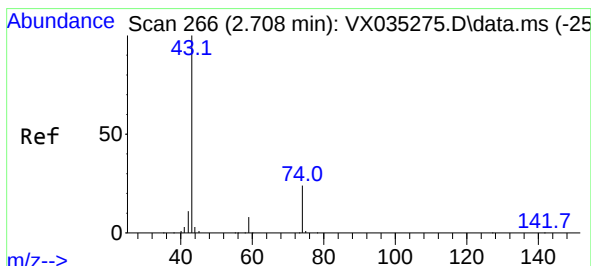
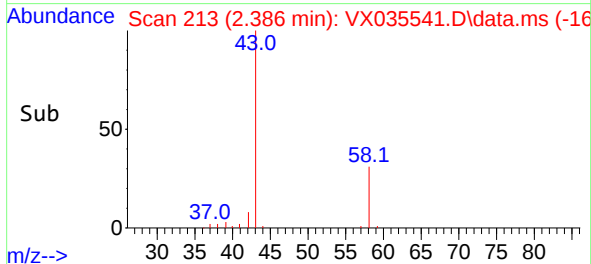
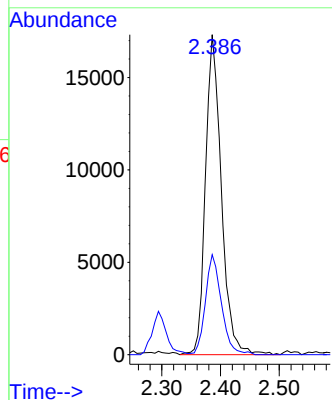
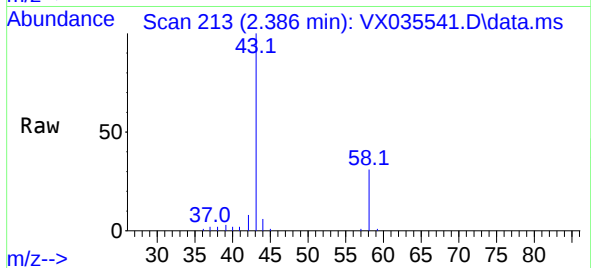




#16
Acetone
Concen: 21.949 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

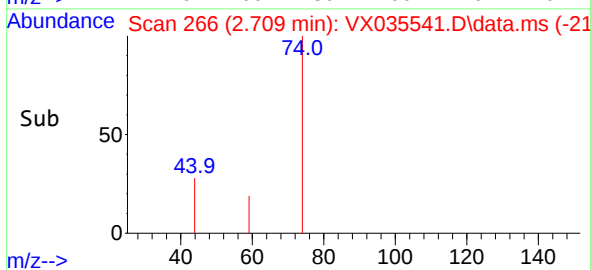
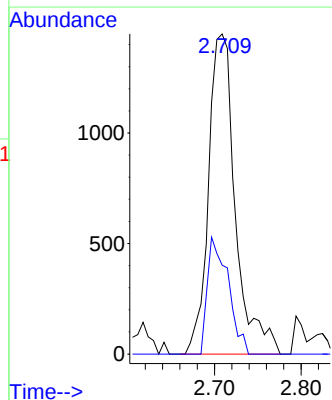
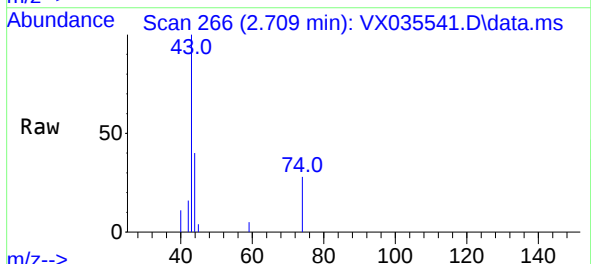
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

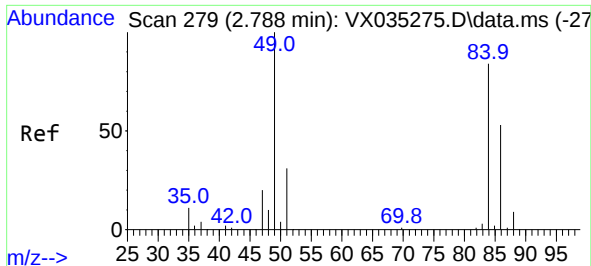
Tgt Ion: 43 Resp: 32520
Ion Ratio Lower Upper
43 100
58 31.2 24.7 37.1



#18
Methyl Acetate
Concen: 0.545 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.001 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 43 Resp: 3125
Ion Ratio Lower Upper
43 100
74 28.3 18.3 27.5#



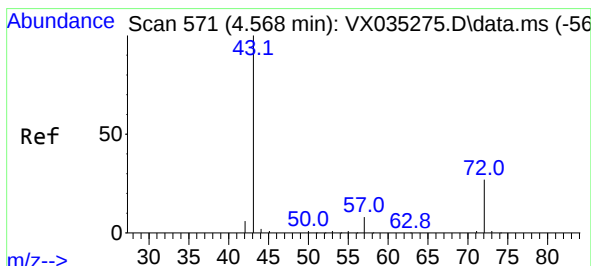
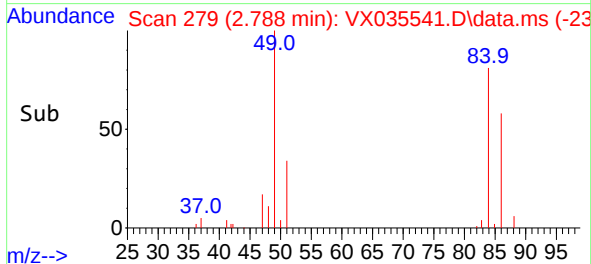
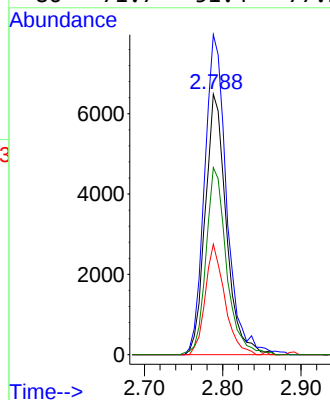
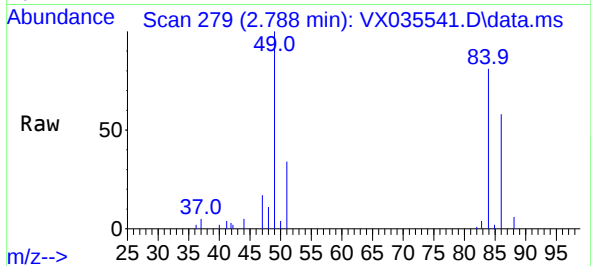


#20
Methylene Chloride
Concen: 3.573 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

Tgt Ion: 84 Resp: 12139

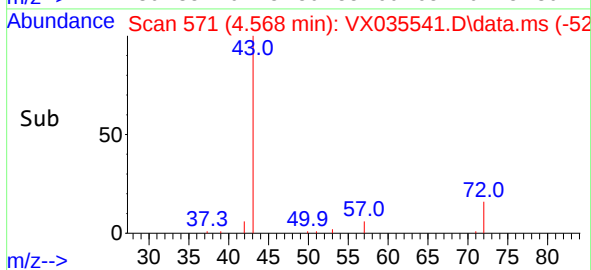
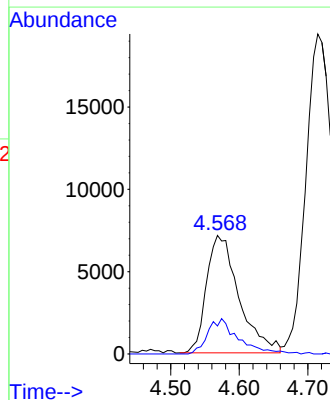
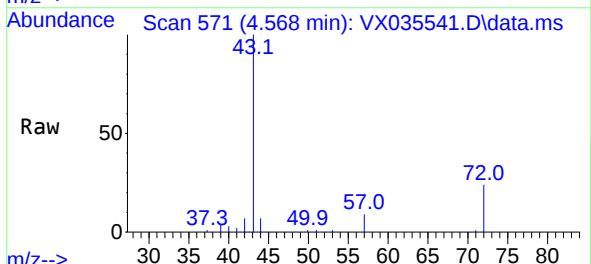
Ion	Ratio	Lower	Upper
84	100		
49	122.8	103.8	155.8
51	42.3	31.8	47.8
86	71.7	51.4	77.2

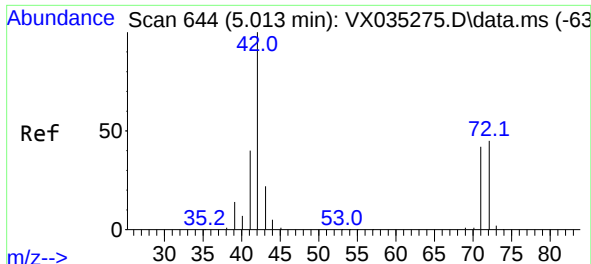


#25
2-Butanone
Concen: 10.875 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 43 Resp: 23517

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.524 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.025 min

Lab File: VX035541.D

Acq: 05 May 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

PB152615TB

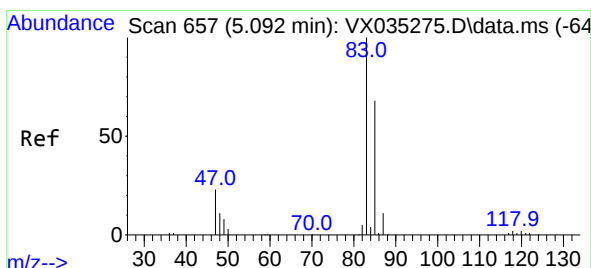
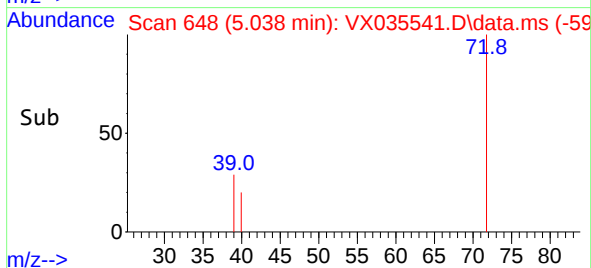
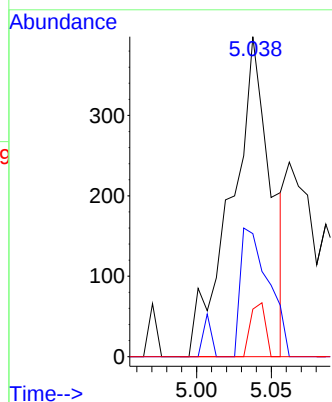
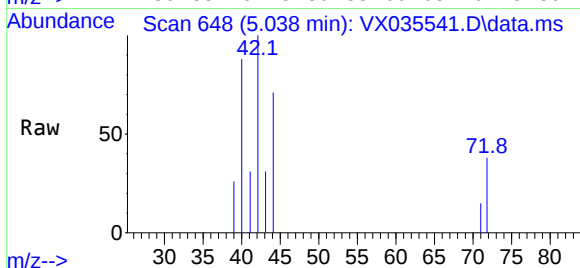
Tgt Ion: 42 Resp: 727

Ion Ratio Lower Upper

42 100

72 28.7 34.5 51.7#

71 6.3 32.1 48.1#



#30

Chloroform

Concen: 0.355 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX035541.D

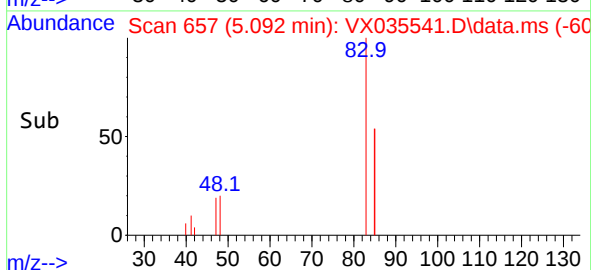
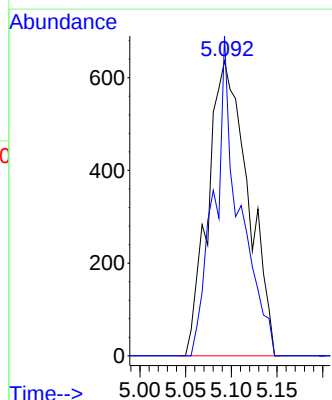
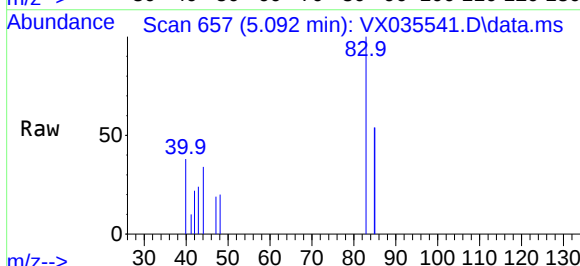
Acq: 05 May 2023 17:11

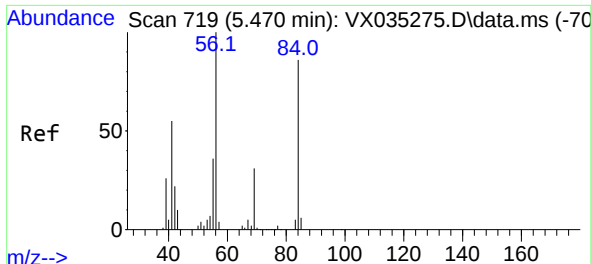
Tgt Ion: 83 Resp: 1931

Ion Ratio Lower Upper

83 100

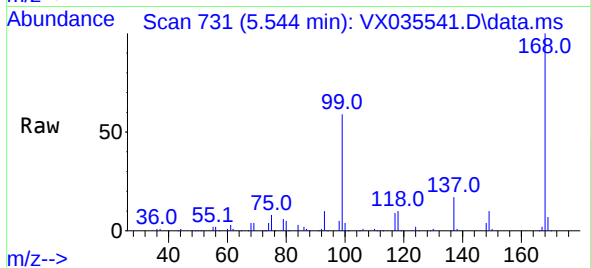
85 108.5 50.6 76.0#



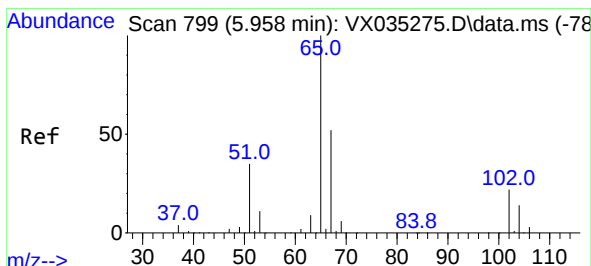
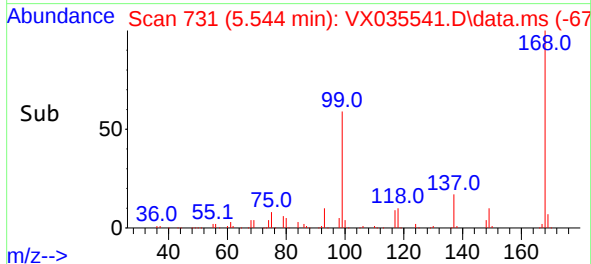
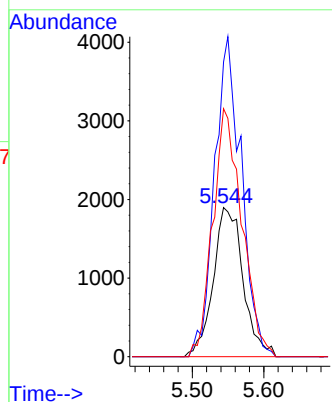


#31
Cyclohexane
Concen: 1.136 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

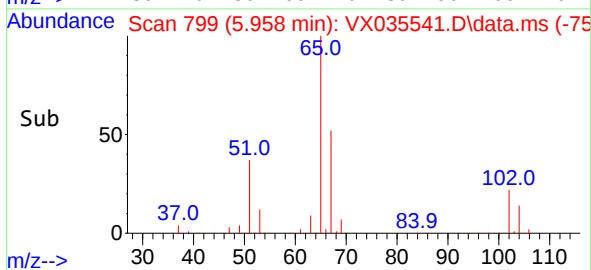
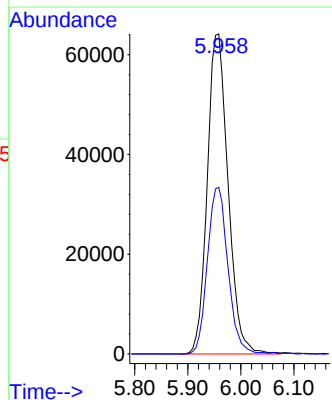
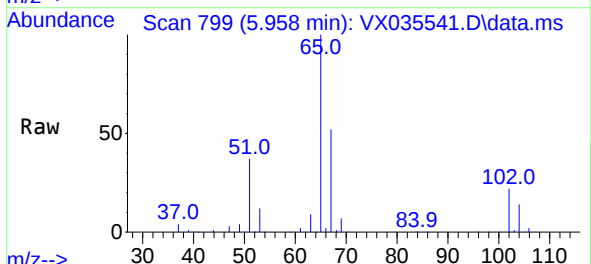


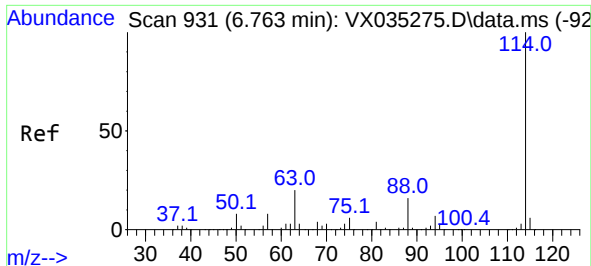
Tgt Ion: 56 Resp: 5495
Ion Ratio Lower Upper
56 100
69 197.5 23.7 35.5#
84 166.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 51.233 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 65 Resp: 174775
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0

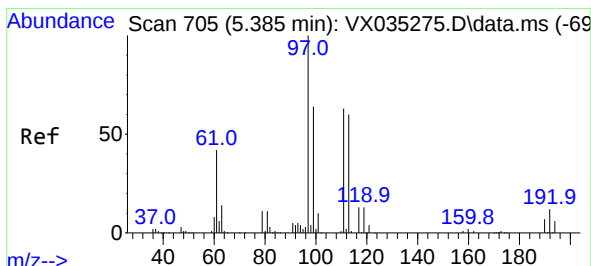
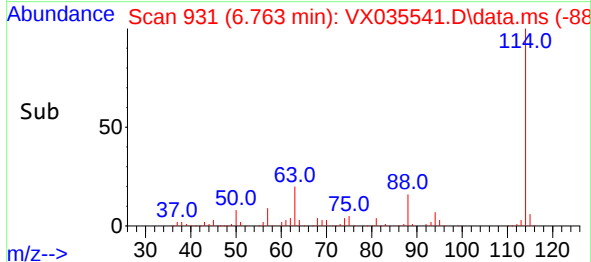
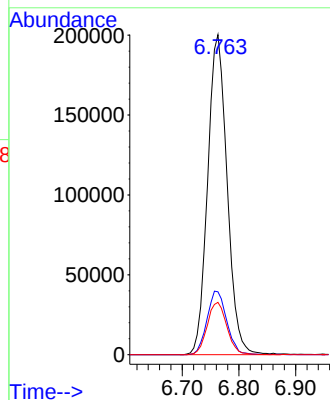
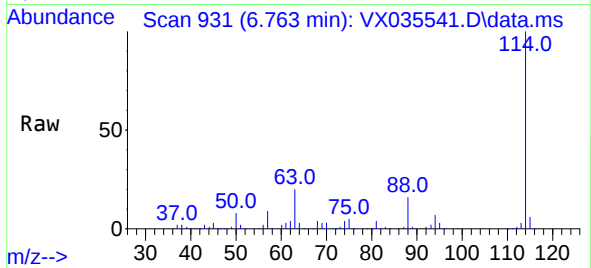




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

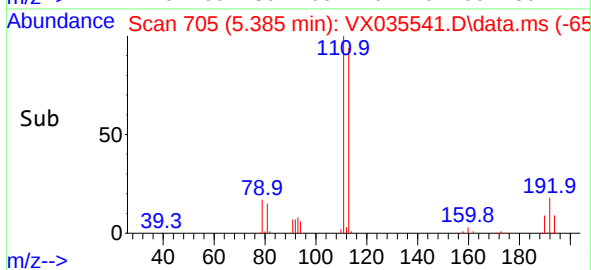
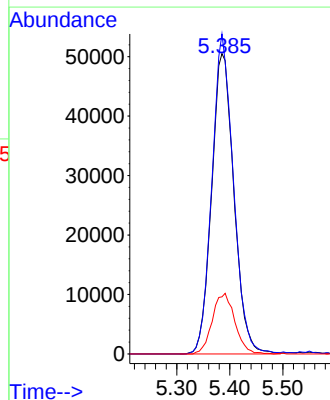
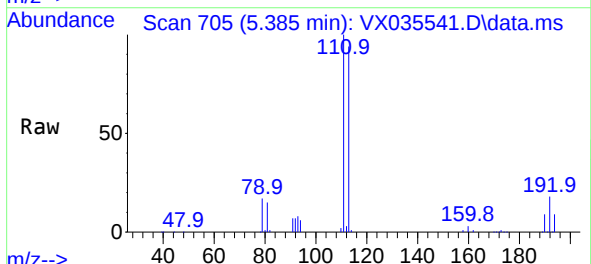
Instrument :
MSVOA_X
ClientSampleId :
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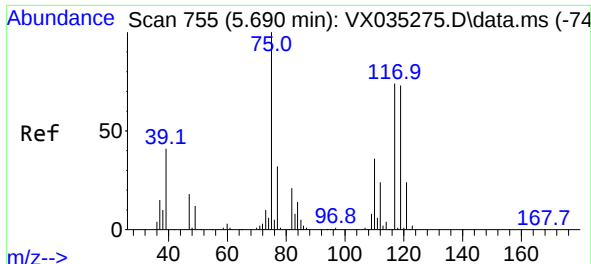
Tgt Ion:114 Resp: 477477
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.370 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion:113 Resp: 147615
Ion Ratio Lower Upper
113 100
111 102.5 83.7 125.5
192 20.4 15.4 23.2

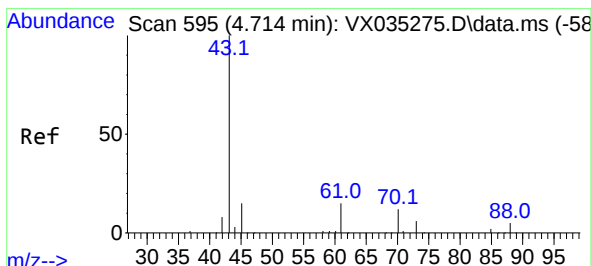
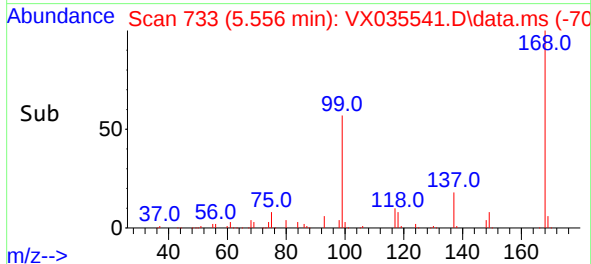
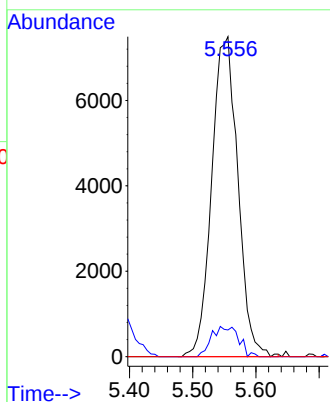
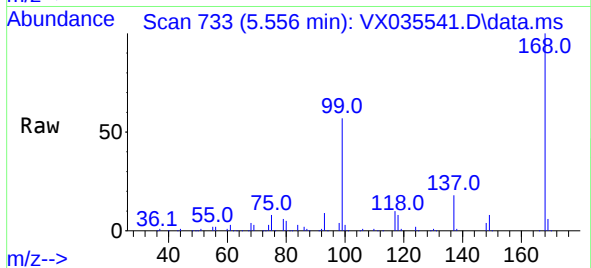




#36
1,1-Dichloropropene
Concen: 4.697 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

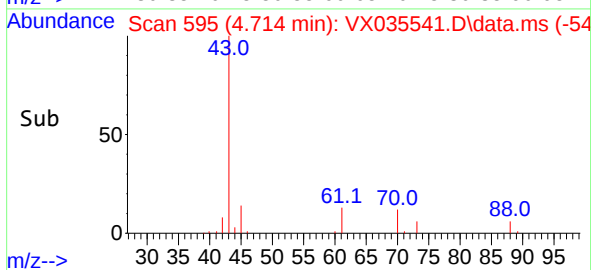
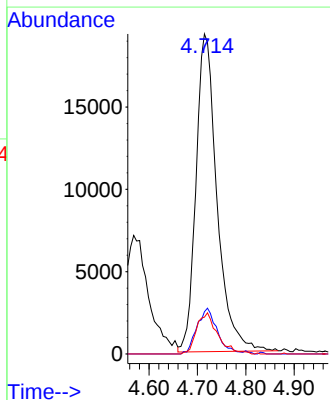
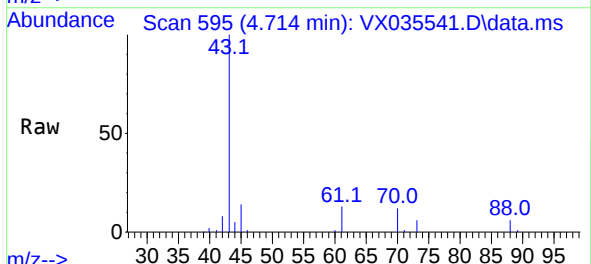
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

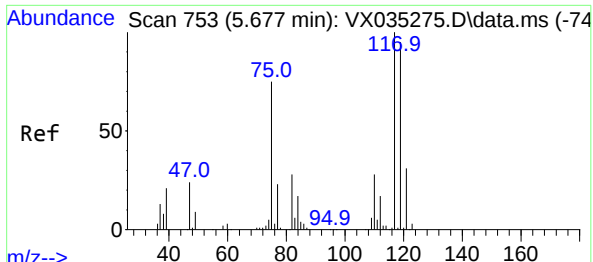
Tgt Ion: 75 Resp: 21492
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 13.954 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 43 Resp: 58319
Ion Ratio Lower Upper
43 100
61 13.9 10.2 15.4
70 13.0 8.2 12.4#

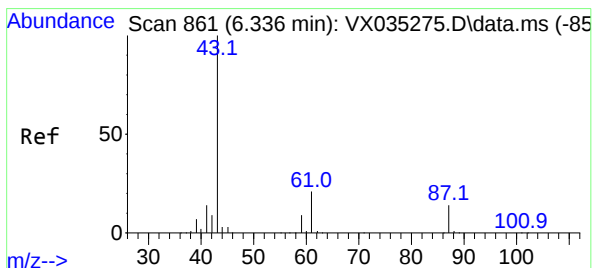
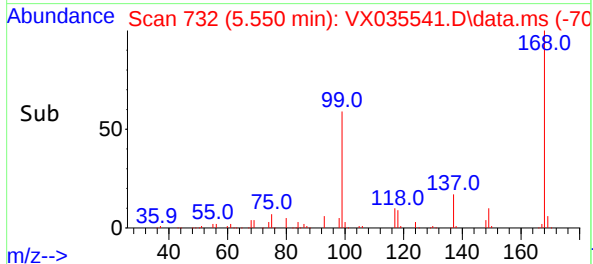
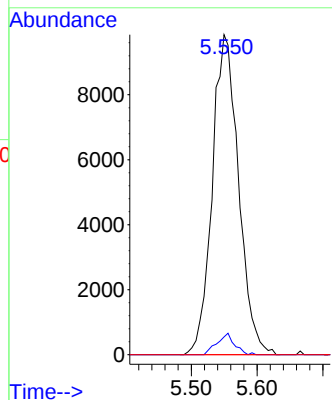
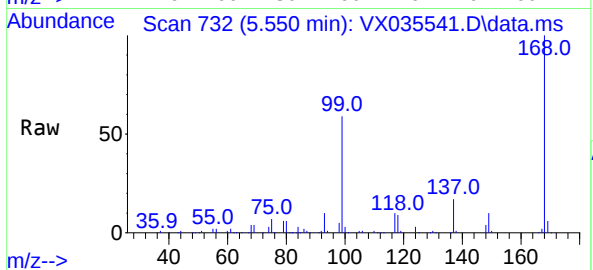




#38
Carbon Tetrachloride
Concen: 6.315 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

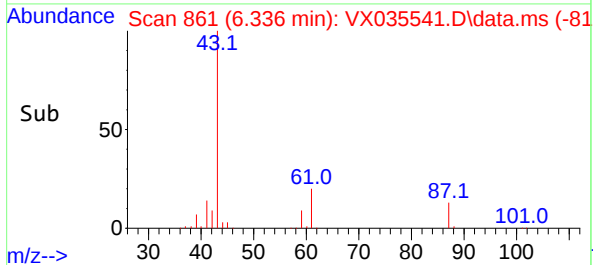
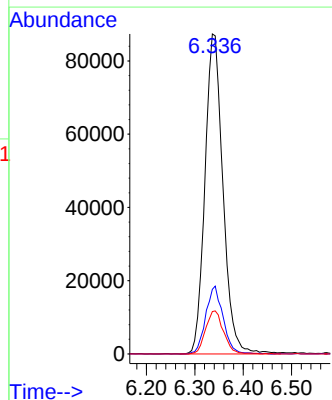
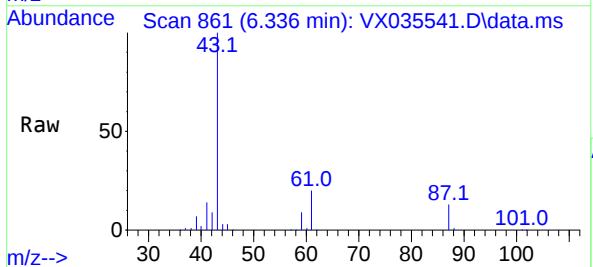
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

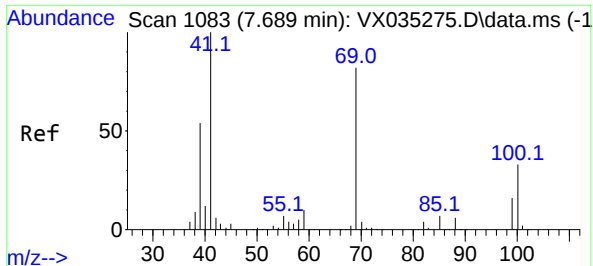
Tgt Ion:117 Resp: 27434
Ion Ratio Lower Upper
117 100
119 5.5 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 32.219 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 43 Resp: 226268
Ion Ratio Lower Upper
43 100
61 20.4 15.2 22.8
87 13.3 9.8 14.8

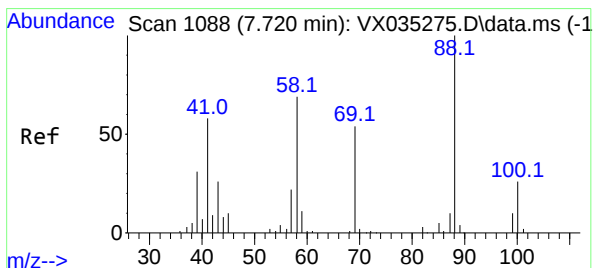
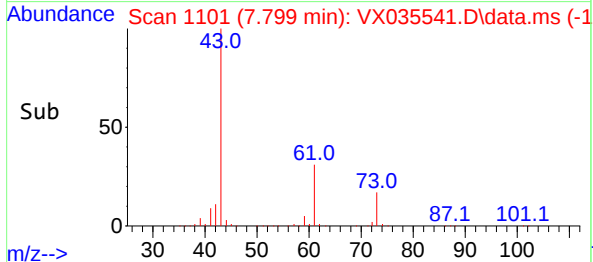
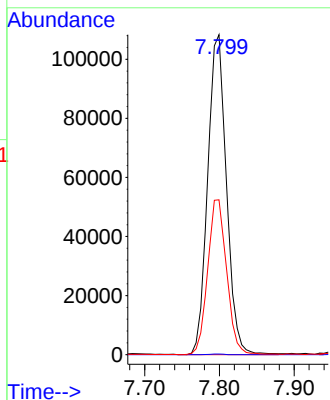
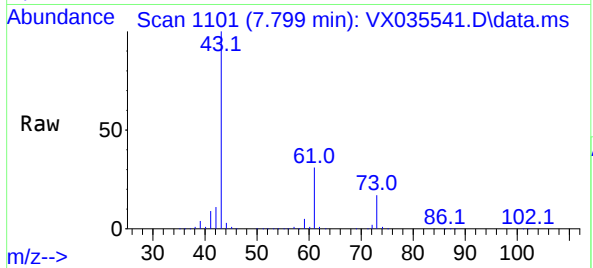




#48
Methyl methacrylate
Concen: 54.815 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

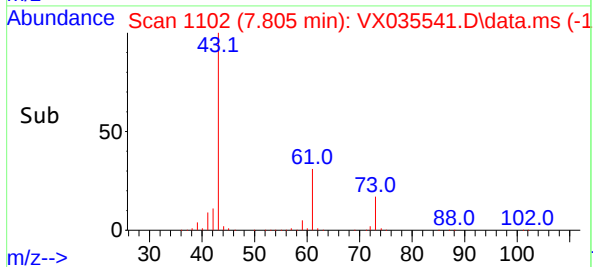
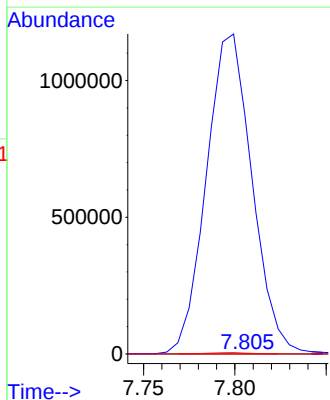
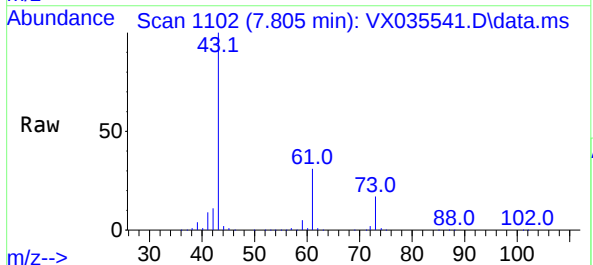
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

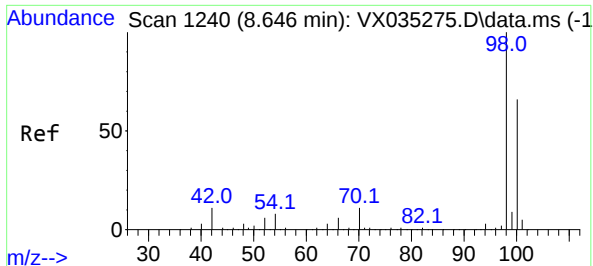
Tgt Ion: 41 Resp: 188831
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 49.1 47.7 71.5



#49
1,4-Dioxane
Concen: 3.299 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.085 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 88 Resp: 277
Ion Ratio Lower Upper
88 100
43 740527.1 27.7 41.5#
58 2911.2 56.8 85.2#

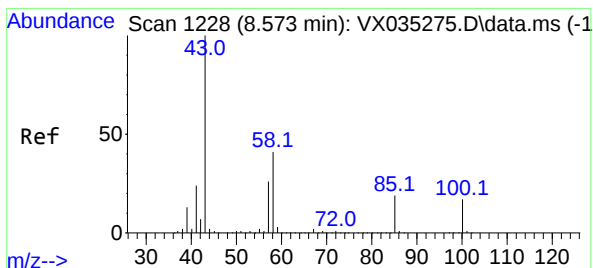
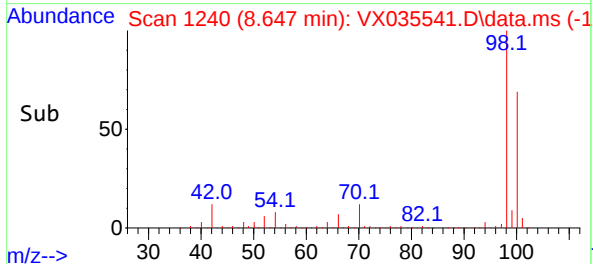
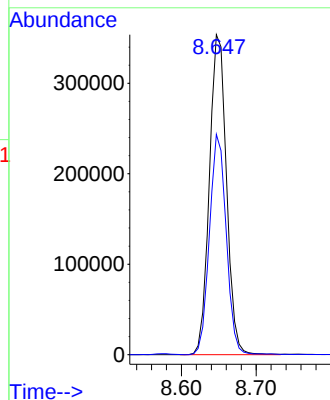
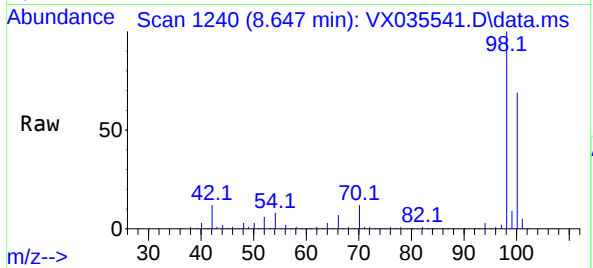




#50
Toluene-d8
Concen: 50.928 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

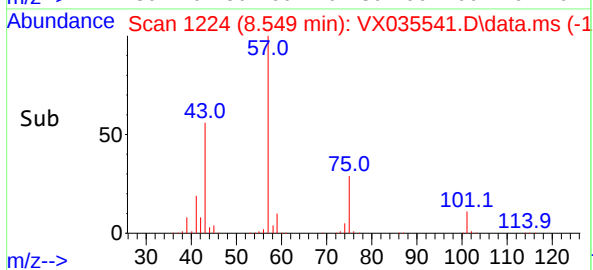
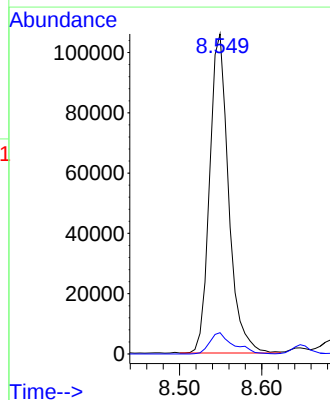
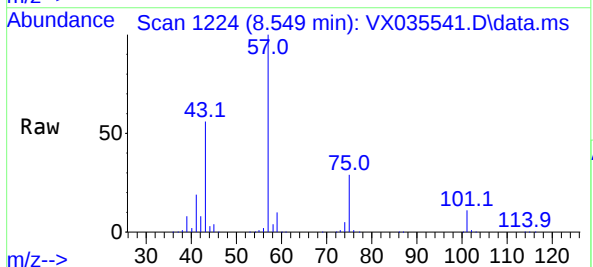
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

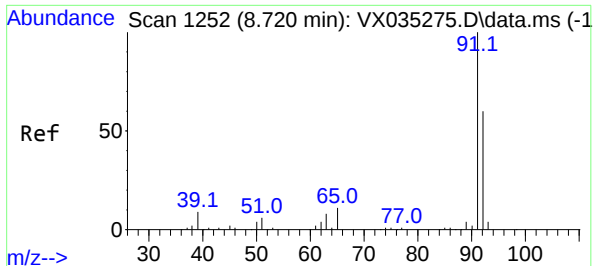
Tgt Ion: 98 Resp: 563021
Ion Ratio Lower Upper
98 100
100 67.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 39.368 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 43 Resp: 169855
Ion Ratio Lower Upper
43 100
58 8.3 30.6 46.0#





#52

Toluene

Concen: 0.277 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035541.D

Acq: 05 May 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

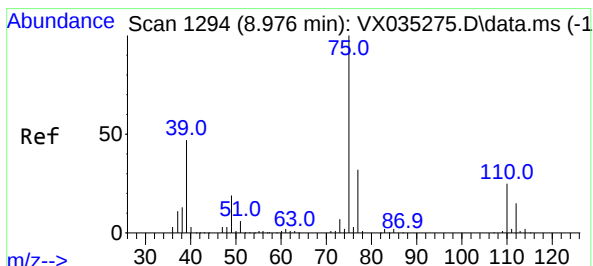
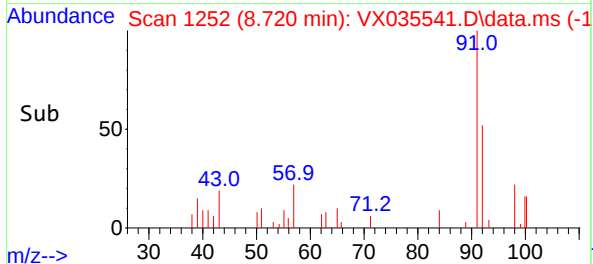
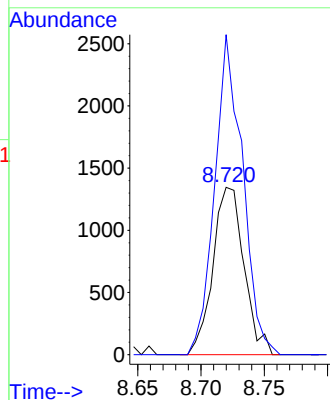
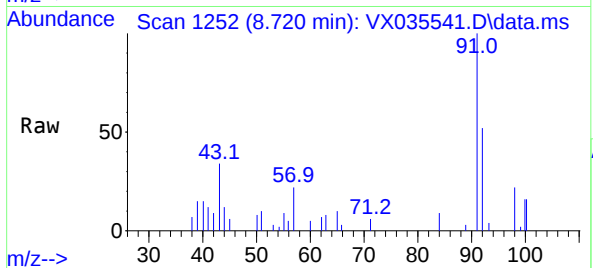
PB152615TB

Tgt Ion: 92 Resp: 2301

Ion Ratio Lower Upper

92 100

91 171.9 136.8 205.2



#53

t-1,3-Dichloropropene

Concen: 0.346 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX035541.D

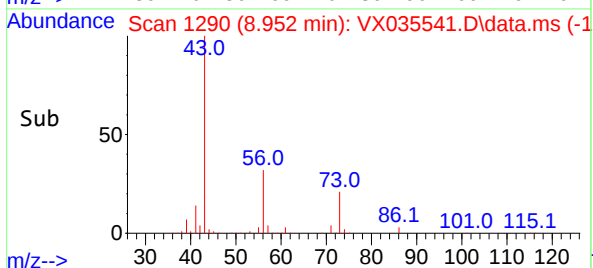
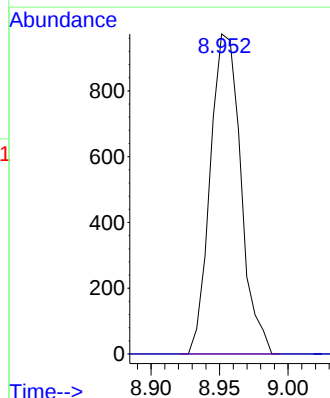
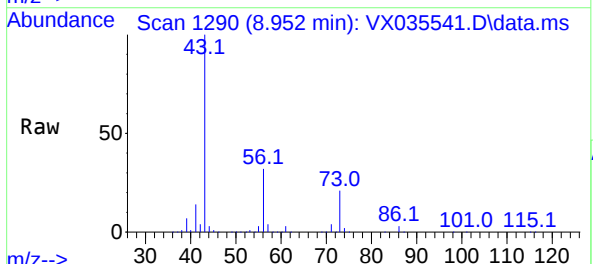
Acq: 05 May 2023 17:11

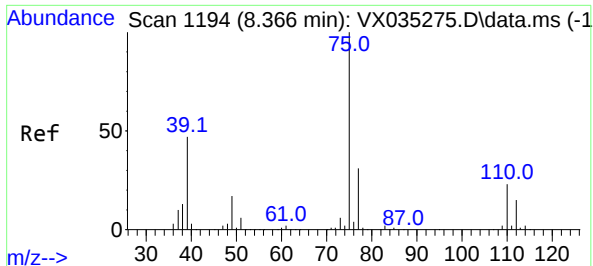
Tgt Ion: 75 Resp: 1511

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

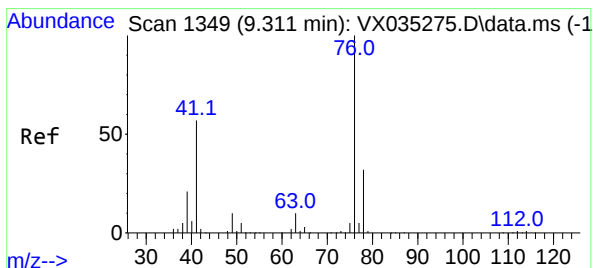
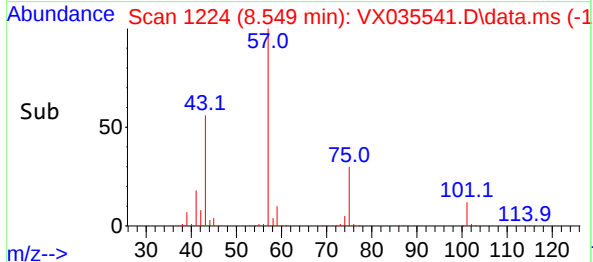
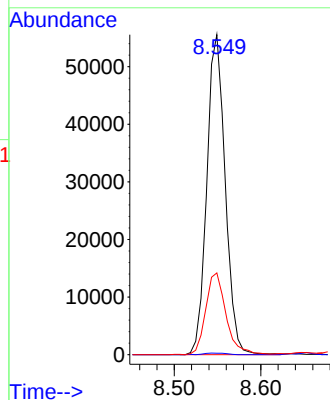
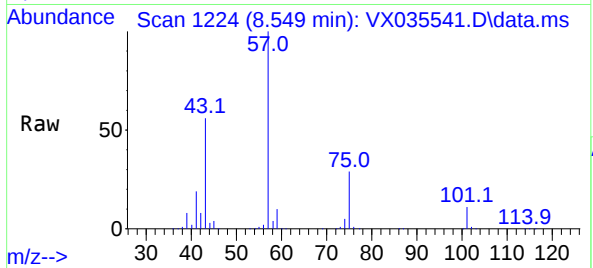




#54
cis-1,3-Dichloropropene
Concen: 16.569 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

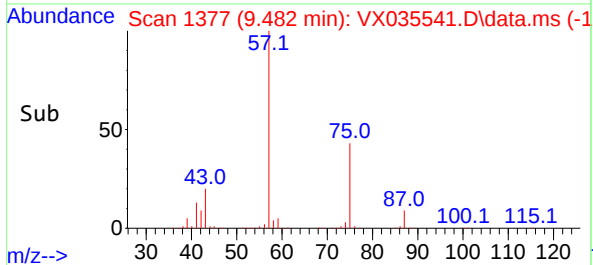
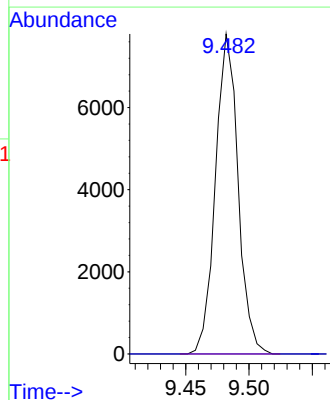
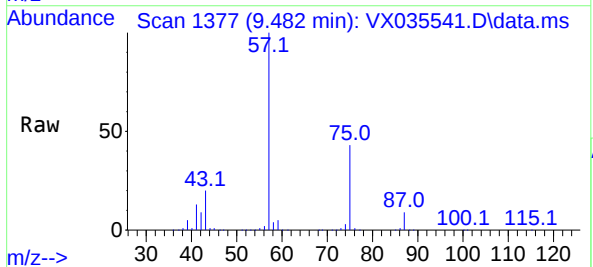
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

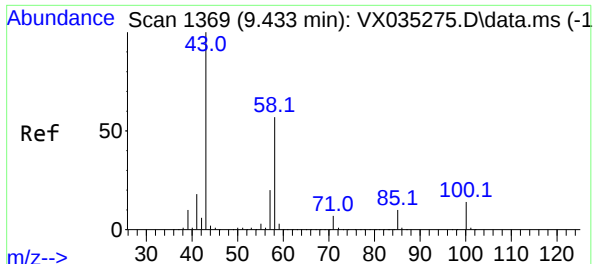
Tgt Ion: 75 Resp: 81894
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 25.4 44.6 66.8#



#57
1,3-Dichloropropane
Concen: 1.704 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 76 Resp: 9666
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

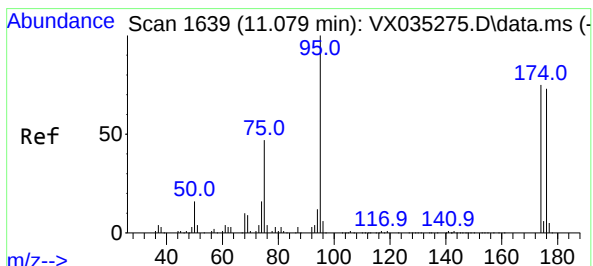
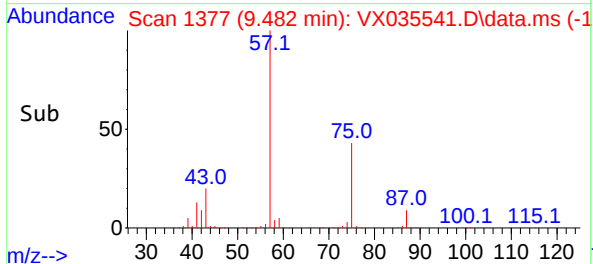
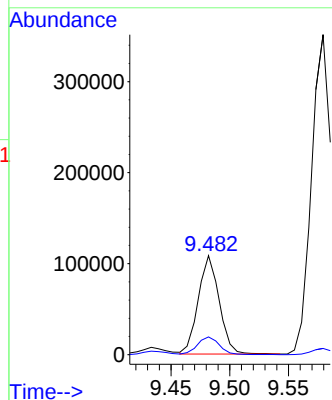
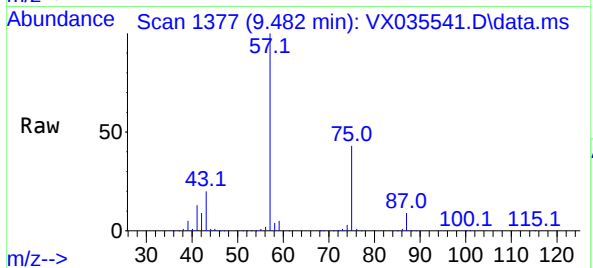




#59
2-Hexanone
Concen: 41.280 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

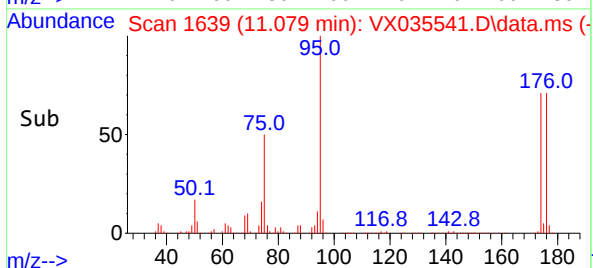
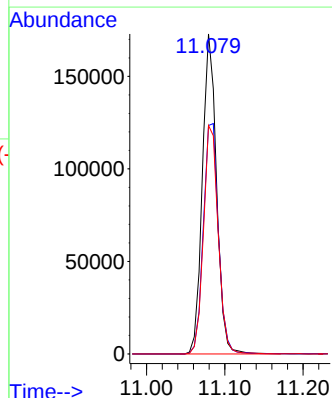
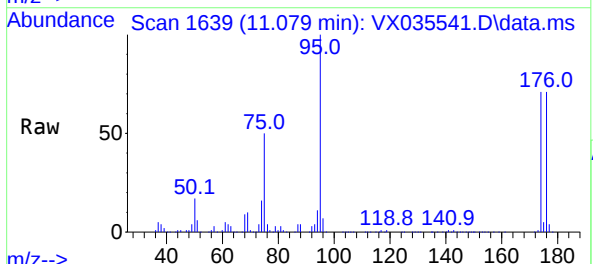
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

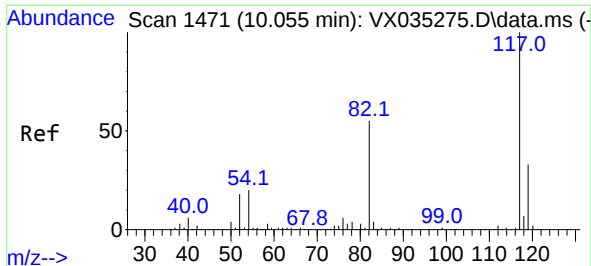
Tgt Ion: 43 Resp: 133800
Ion Ratio Lower Upper
43 100
58 19.3 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 52.244 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion: 95 Resp: 217271
Ion Ratio Lower Upper
95 100
174 76.6 0.0 147.4
176 74.1 0.0 140.6

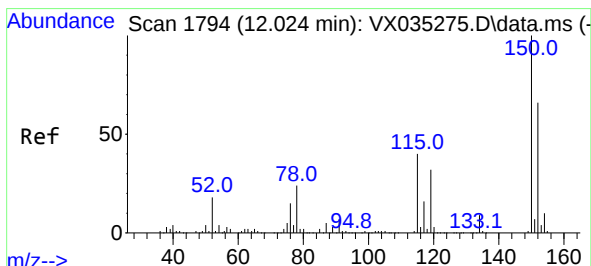
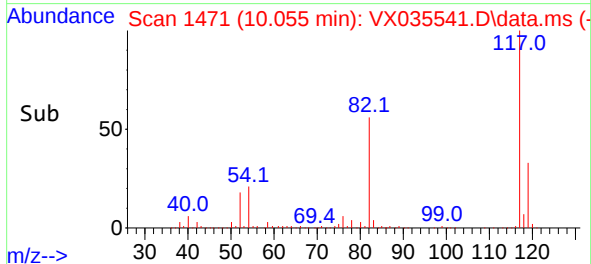
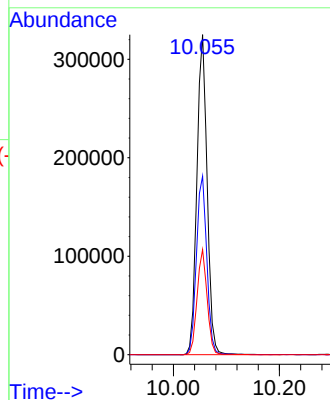
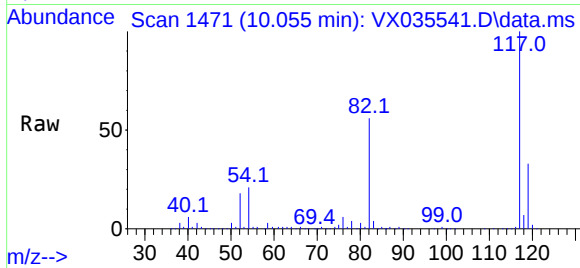




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

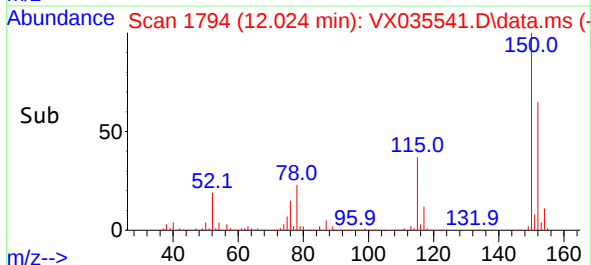
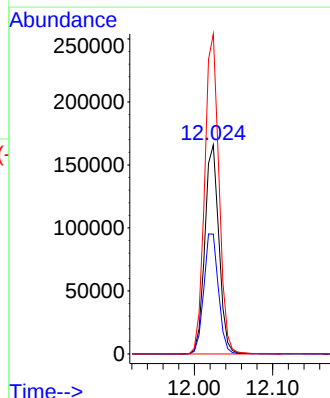
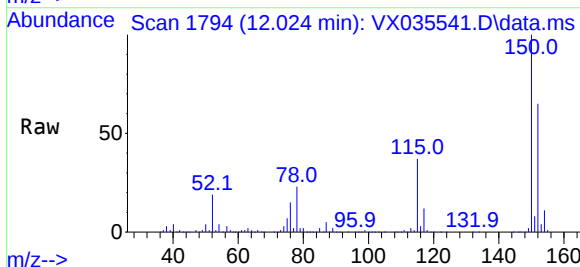
Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

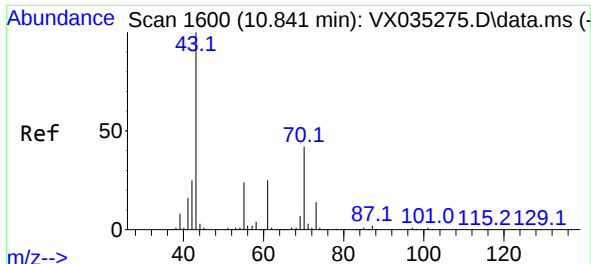
Tgt Ion:117 Resp: 435745
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 32.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

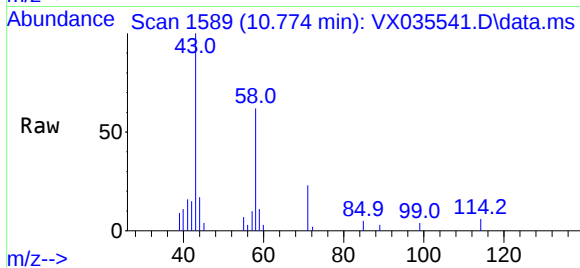
Tgt Ion:152 Resp: 207119
Ion Ratio Lower Upper
152 100
115 59.7 45.0 135.0
150 155.0 0.0 352.4



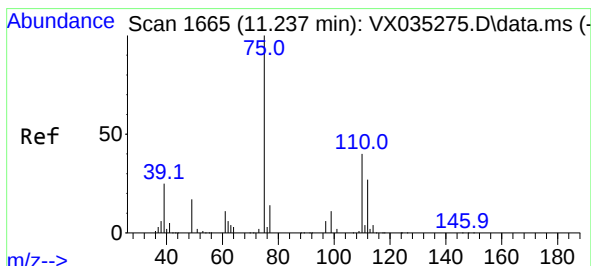
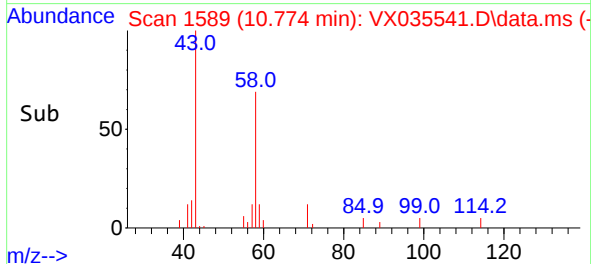
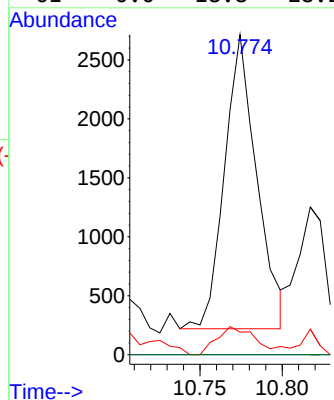


#74
N-amy1 acetate
Concen: 0.599 ug/l
RT: 10.774 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

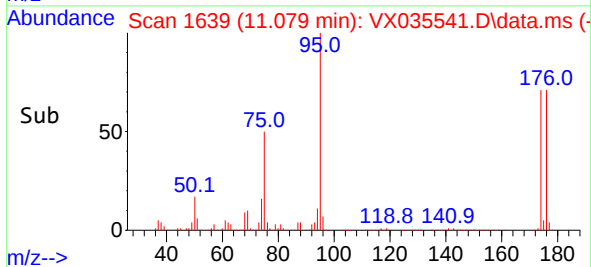
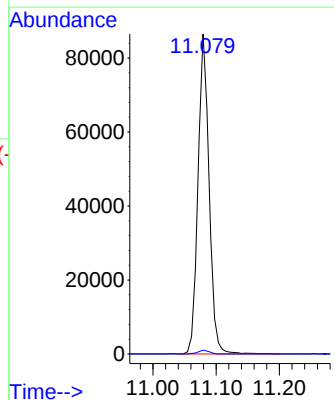
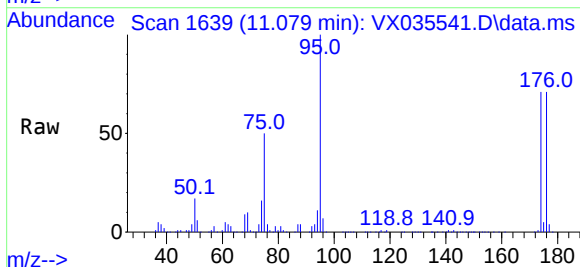


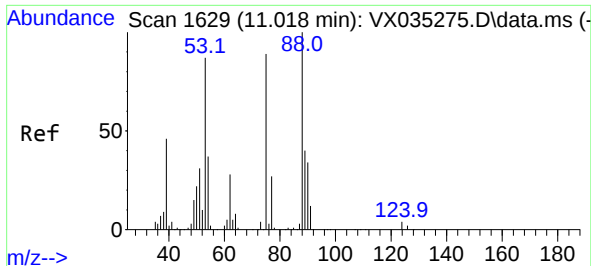
Tgt Ion:	43	Resp:	3407
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.1	48.1#
55	12.3	18.3	27.5#
61	0.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 25.552 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Tgt Ion:	75	Resp:	105571
Ion	Ratio	Lower	Upper
75	100		
77	1.2	21.6	64.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 82.759 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX035541.D
Acq: 05 May 2023 17:11

Instrument :
MSVOA_X
ClientSampleId :
PB152615TB

Tgt Ion: 75 Resp: 105571
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

