

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050523\
 Data File : VX035540.D
 Acq On : 05 May 2023 16:48
 Operator : JC/MD
 Sample : PB152582TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB152582TB

Quant Time: May 08 00:51:57 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

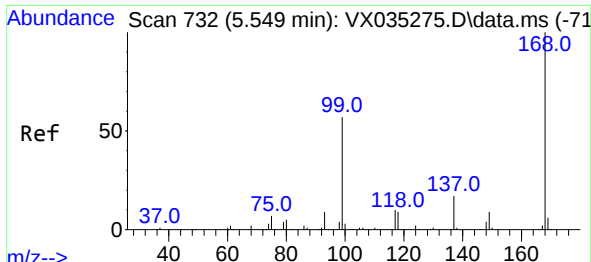
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	294729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	493033	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	454011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	220264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	179765	50.556	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.120%	
35) Dibromofluoromethane	5.385	113	150794	49.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.660%	
50) Toluene-d8	8.647	98	583507	51.116	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.240%	
62) 4-Bromofluorobenzene	11.079	95	229155	53.363	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	1270	0.448	ug/l #	42
11) Tert butyl alcohol	2.989	59	2615	4.039	ug/l	96
16) Acetone	2.392	43	31023	20.089	ug/l	93
18) Methyl Acetate	2.709	43	2644	0.443	ug/l	92
20) Methylene Chloride	2.794	84	12070	3.409	ug/l	85
25) 2-Butanone	4.574	43	23522	10.435	ug/l	94
29) Tetrahydrofuran	5.050	42	995	0.689	ug/l #	36
30) Chloroform	5.093	83	4991	0.880	ug/l	90
31) Cyclohexane	5.550	56	5634	1.117	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	21479	4.546	ug/l #	51
37) Ethyl Acetate	4.721	43	56655	13.128	ug/l #	94
38) Carbon Tetrachloride	5.550	117	28993	6.464	ug/l #	16
43) Isopropyl Acetate	6.342	43	222335	30.661	ug/l	97
48) Methyl methacrylate	7.793	41	188192	52.906	ug/l #	44
49) 1,4-Dioxane	7.799	88	361	4.164	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	170009	38.161	ug/l #	50
52) Toluene	8.714	92	2768	0.322	ug/l	83
53) t-1,3-Dichloropropene	8.952	75	1599	0.354	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	83319	16.325	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	9881	1.687	ug/l #	42
59) 2-Hexanone	9.482	43	135904	40.606	ug/l #	53
74) N-amyl acetate	10.774	43	3596	0.594	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	112195	25.535	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	112195	82.703	ug/l #	8

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

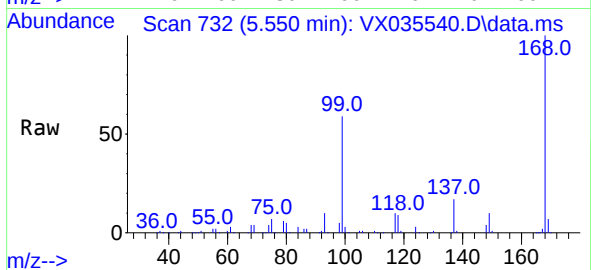
Quant Time: May 08 00:51:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration



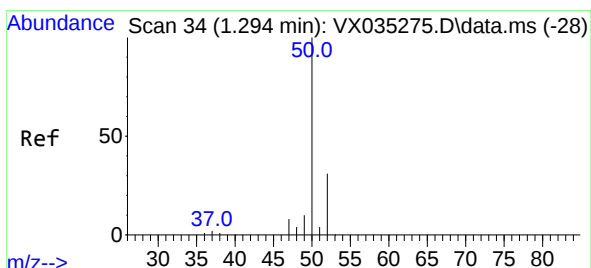
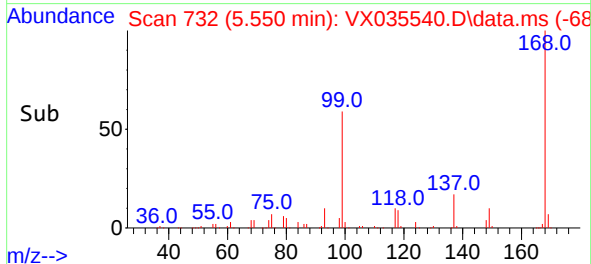
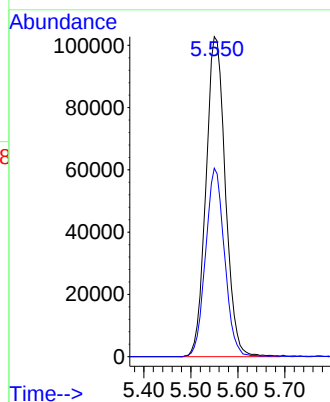


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

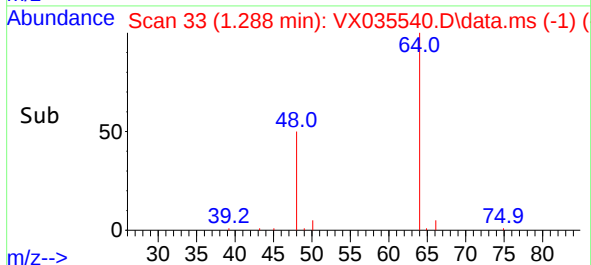
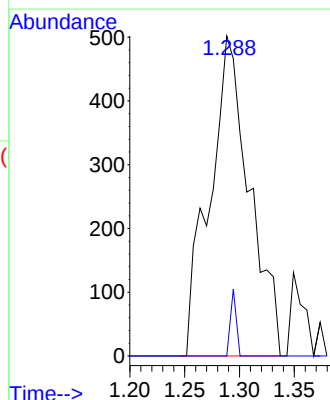
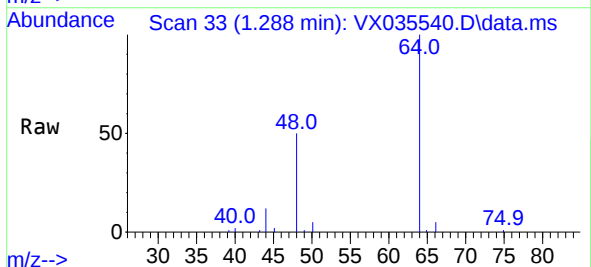


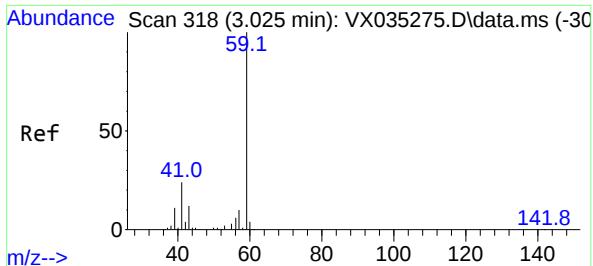
Tgt Ion:168 Resp: 294729
Ion Ratio Lower Upper
168 100
99 58.9 45.7 68.5



#3
Chloromethane
Concen: 0.448 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 50 Resp: 1270
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

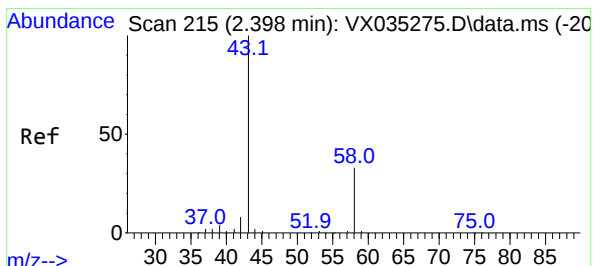
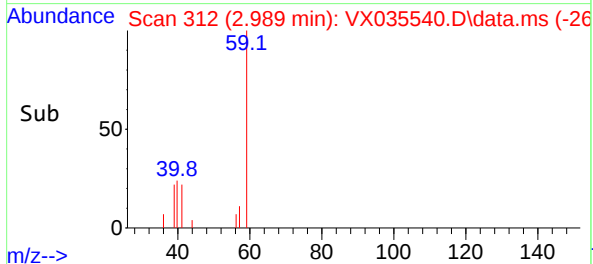
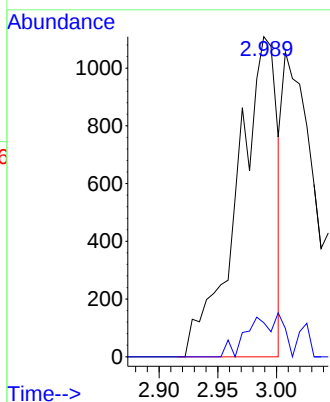
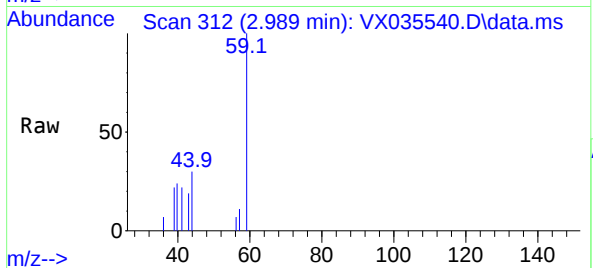




#11
Tert butyl alcohol
Concen: 4.039 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.036 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

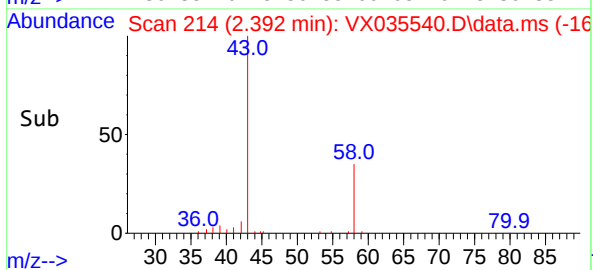
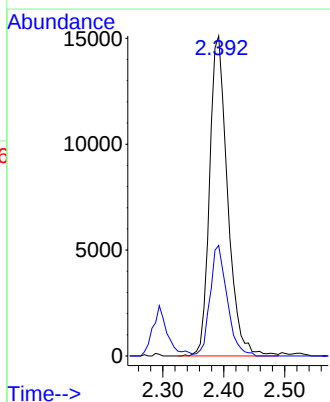
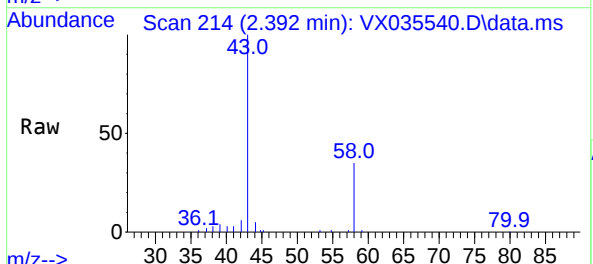
Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

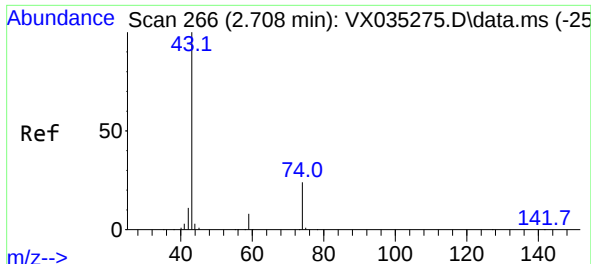
Tgt Ion: 59 Resp: 2615
Ion Ratio Lower Upper
59 100
57 11.5 8.1 12.1



#16
Acetone
Concen: 20.089 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 43 Resp: 31023
Ion Ratio Lower Upper
43 100
58 34.6 24.7 37.1

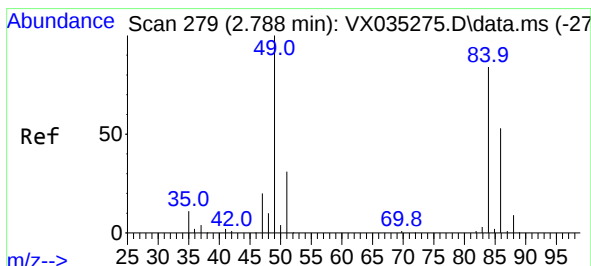
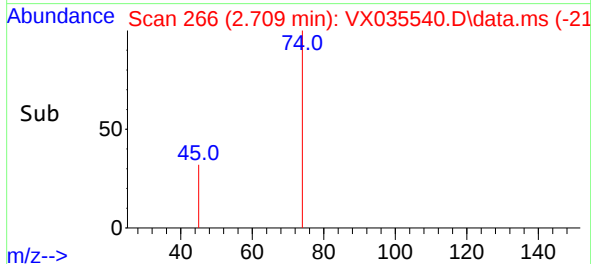
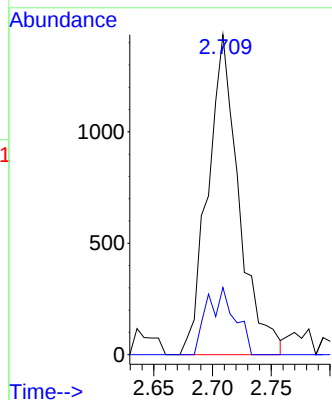
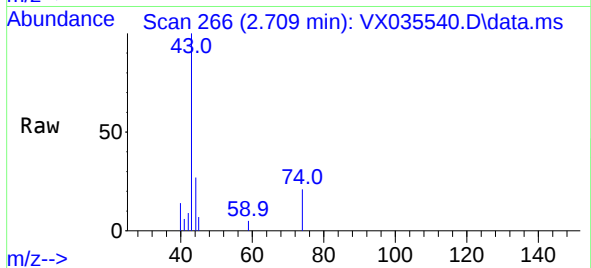




#18
Methyl Acetate
Concen: 0.443 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

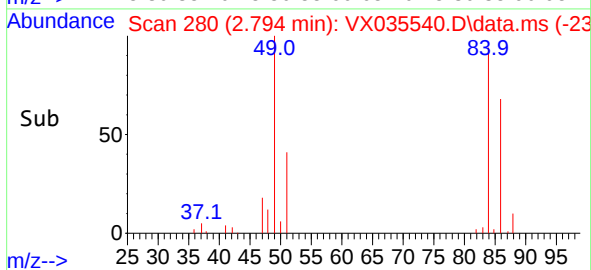
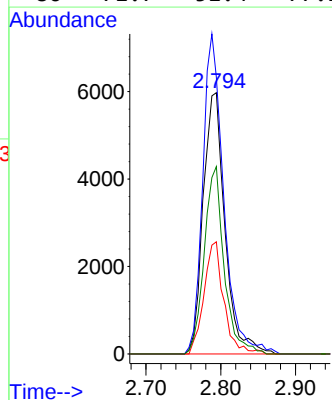
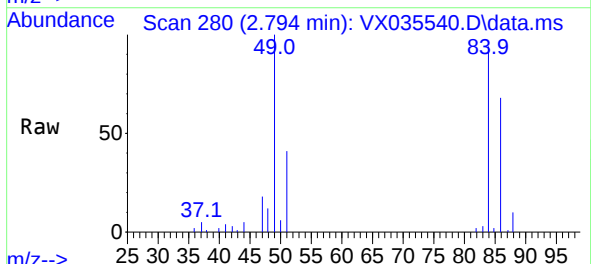
Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

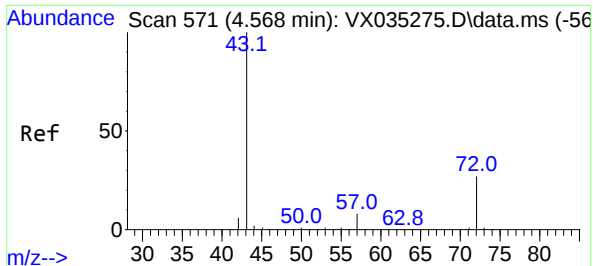
Tgt Ion: 43 Resp: 2644
Ion Ratio Lower Upper
43 100
74 18.9 18.3 27.5



#20
Methylene Chloride
Concen: 3.409 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 84 Resp: 12070
Ion Ratio Lower Upper
84 100
49 105.9 103.8 155.8
51 42.9 31.8 47.8
86 71.7 51.4 77.2





#25

2-Butanone

Concen: 10.435 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX035540.D

Acq: 05 May 2023 16:48

Instrument :

MSVOA_X

ClientSampleId :

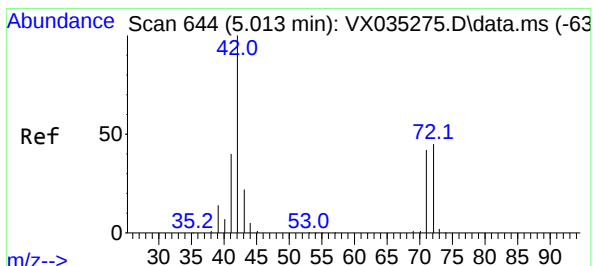
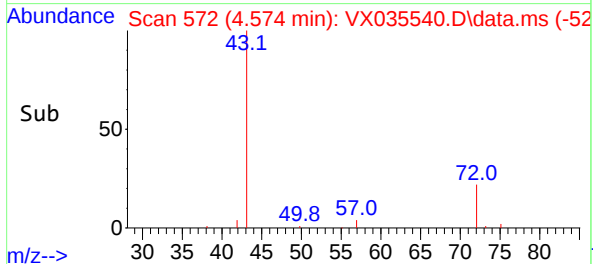
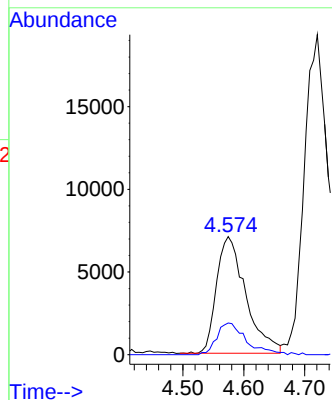
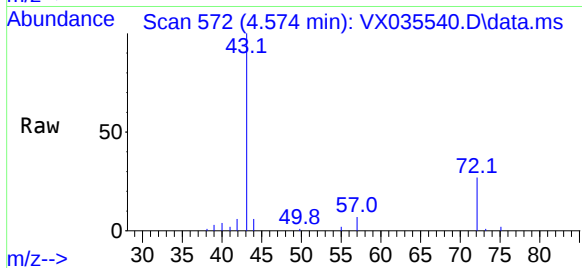
PB152582TB

Tgt Ion: 43 Resp: 23522

Ion Ratio Lower Upper

43 100

72 27.1 19.3 28.9



#29

Tetrahydrofuran

Concen: 0.689 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.037 min

Lab File: VX035540.D

Acq: 05 May 2023 16:48

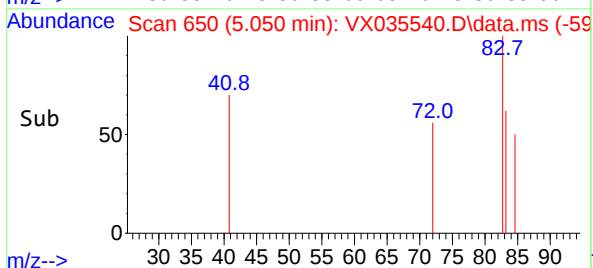
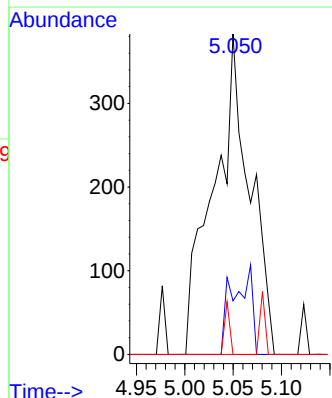
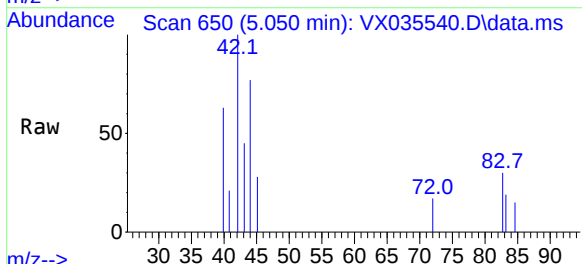
Tgt Ion: 42 Resp: 995

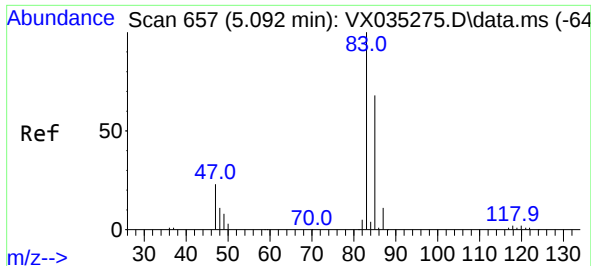
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 2.3 32.1 48.1#





#30

Chloroform

Concen: 0.880 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.001 min

Lab File: VX035540.D

Acq: 05 May 2023 16:48

Instrument :

MSVOA_X

ClientSampleId :

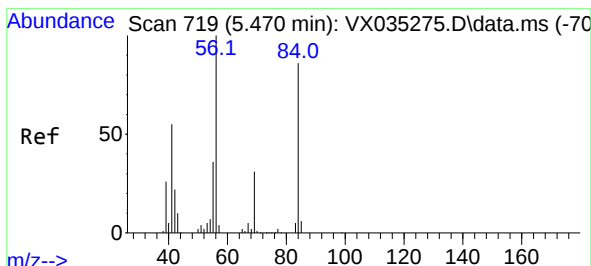
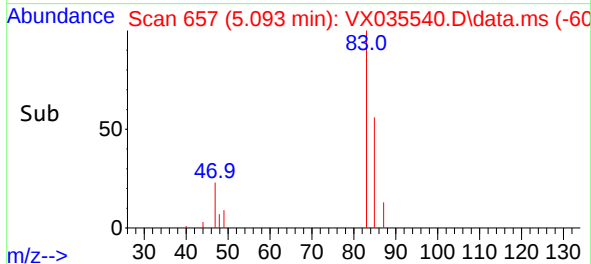
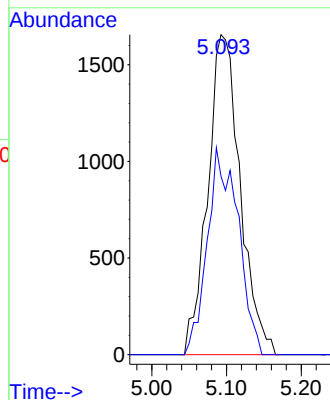
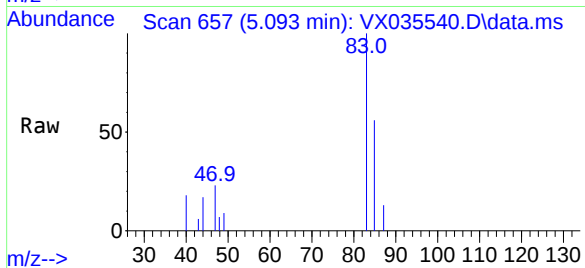
PB152582TB

Tgt Ion: 83 Resp: 4991

Ion Ratio Lower Upper

83 100

85 55.7 50.6 76.0



#31

Cyclohexane

Concen: 1.117 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX035540.D

Acq: 05 May 2023 16:48

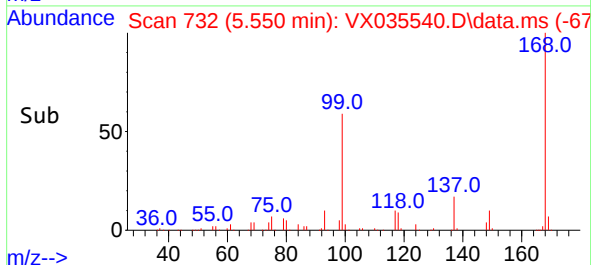
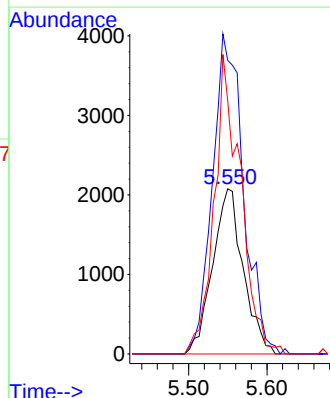
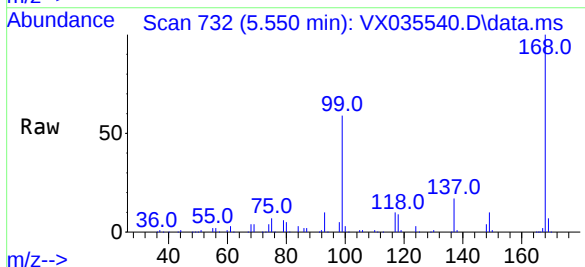
Tgt Ion: 56 Resp: 5634

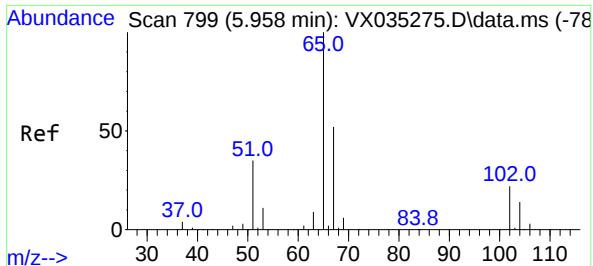
Ion Ratio Lower Upper

56 100

69 177.9 23.7 35.5#

84 153.3 68.5 102.7#

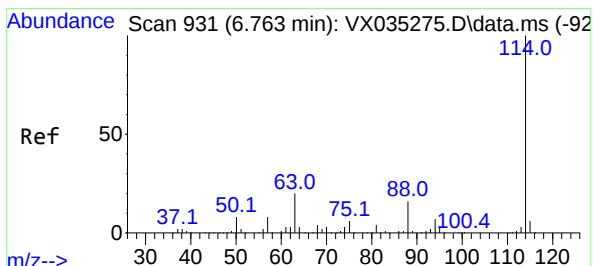
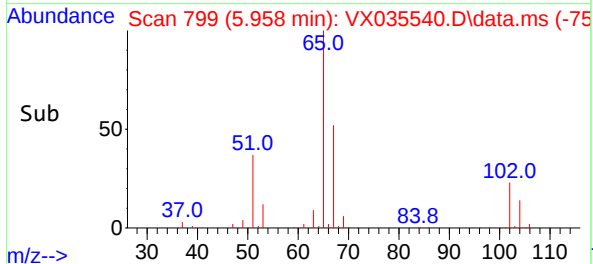
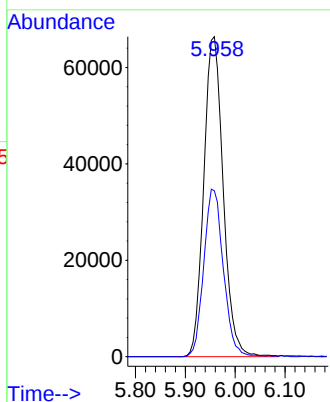
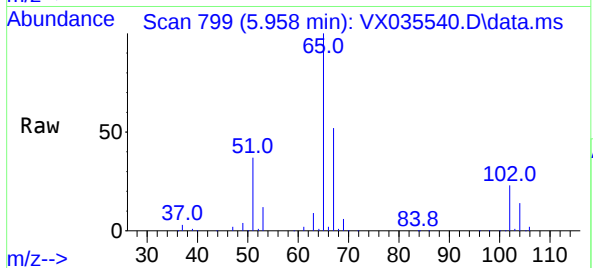




#33
 1,2-Dichloroethane-d4
 Concen: 50.556 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX035540.D
 Acq: 05 May 2023 16:48

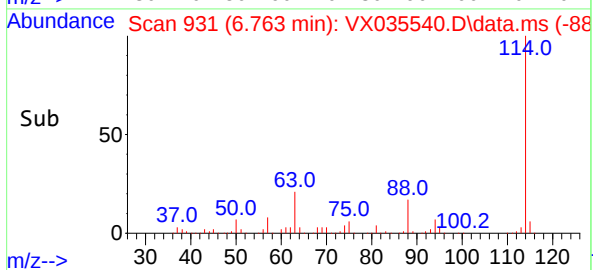
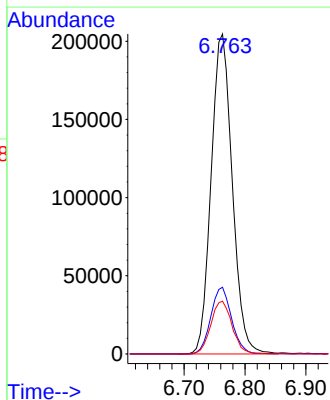
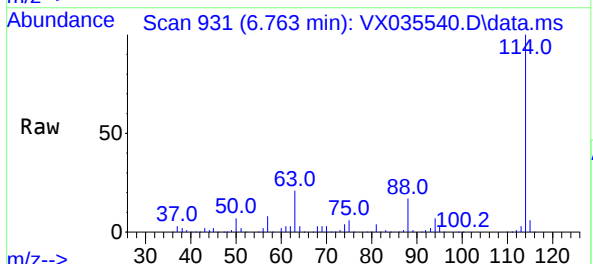
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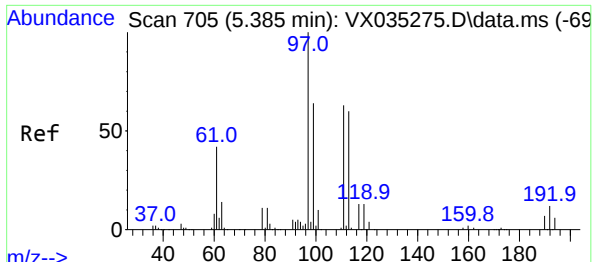
Tgt Ion: 65 Resp: 179765
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX035540.D
 Acq: 05 May 2023 16:48

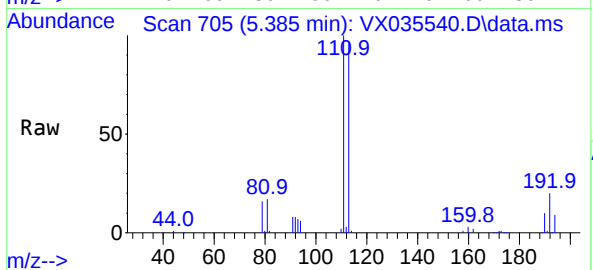
Tgt Ion: 114 Resp: 493033
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.2
 88 16.5 0.0 33.2



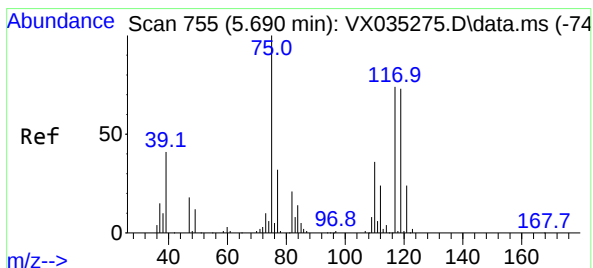
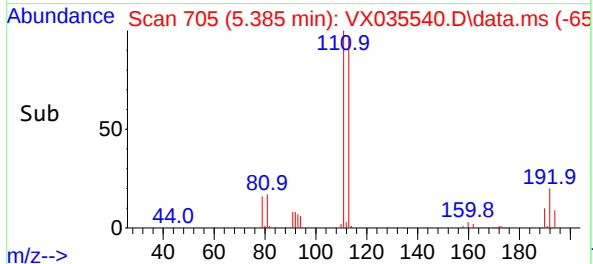
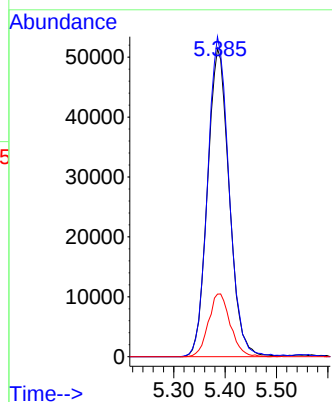


#35
Dibromofluoromethane
Concen: 49.831 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

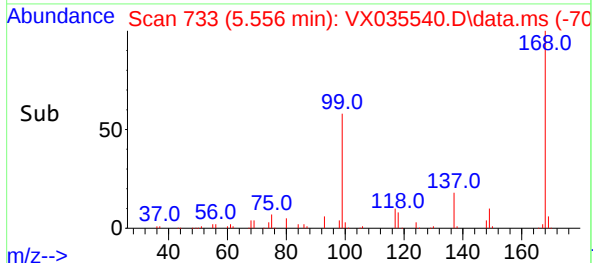
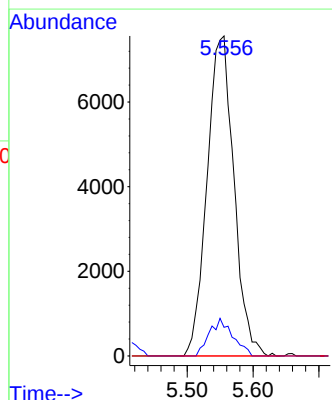
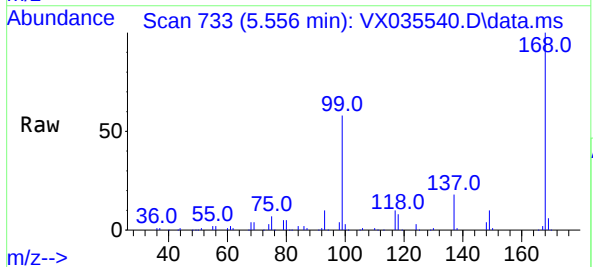


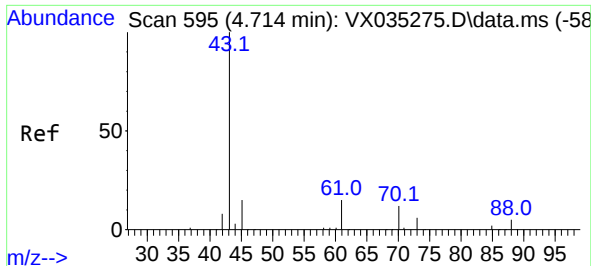
Tgt Ion:113 Resp: 150794
Ion Ratio Lower Upper
113 100
111 102.6 83.7 125.5
192 20.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 75 Resp: 21479
Ion Ratio Lower Upper
75 100
110 10.2 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 13.128 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.007 min

Lab File: VX035540.D

Acq: 05 May 2023 16:48

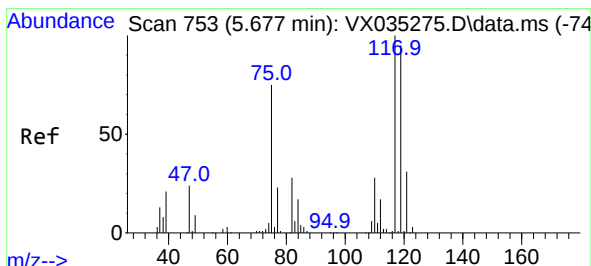
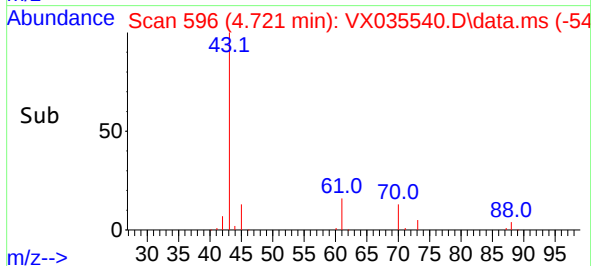
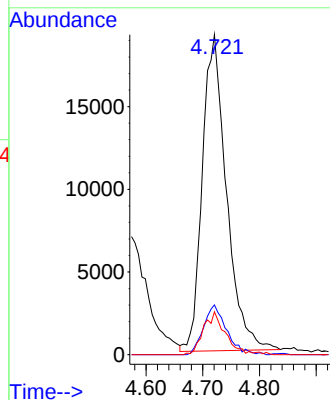
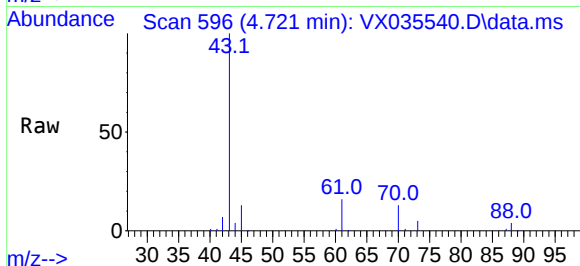
Instrument :

MSVOA_X

ClientSampleId :

PB152582TB

Tgt Ion:	43	Resp:	56655
Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.2	15.4
70	12.5	8.2	12.4



#38

Carbon Tetrachloride

Concen: 6.464 ug/l

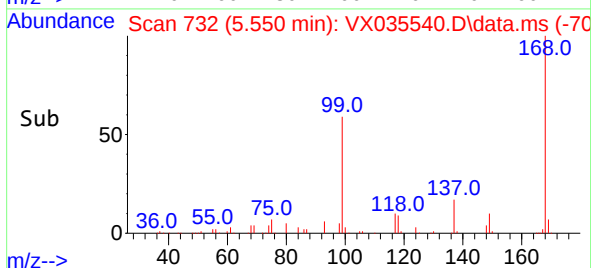
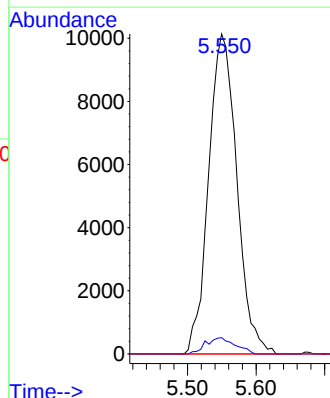
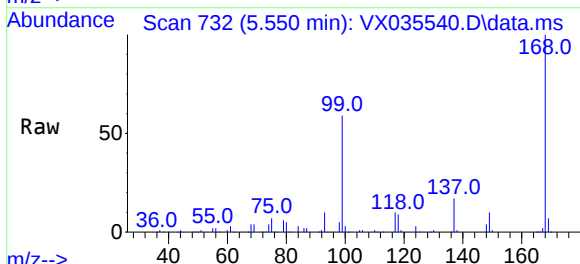
RT: 5.550 min Scan# 732

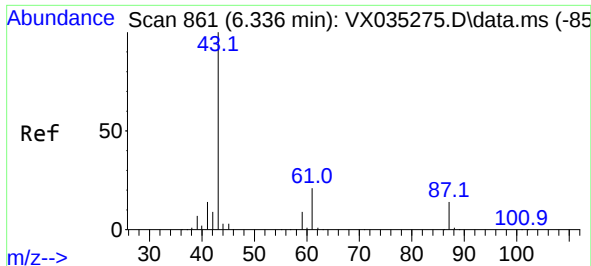
Delta R.T. -0.127 min

Lab File: VX035540.D

Acq: 05 May 2023 16:48

Tgt Ion:	117	Resp:	28993
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.6	114.8
121	0.0	23.8	35.6

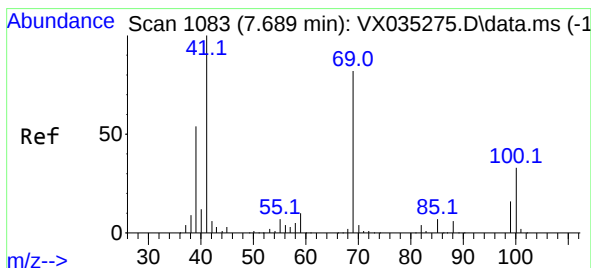
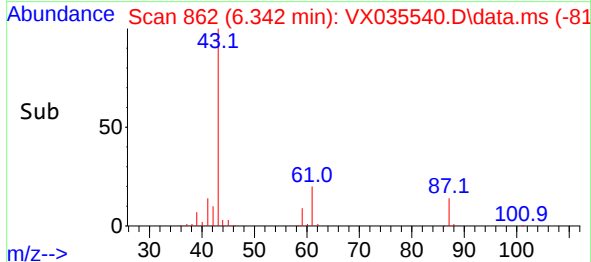
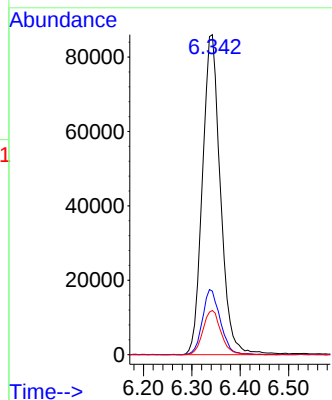
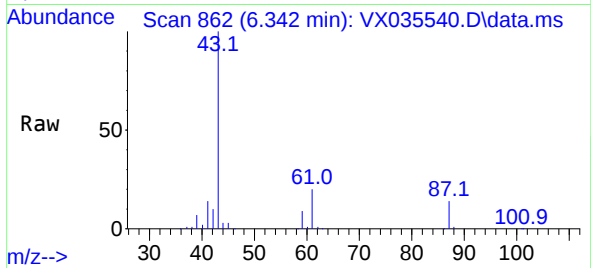




#43
Isopropyl Acetate
Concen: 30.661 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

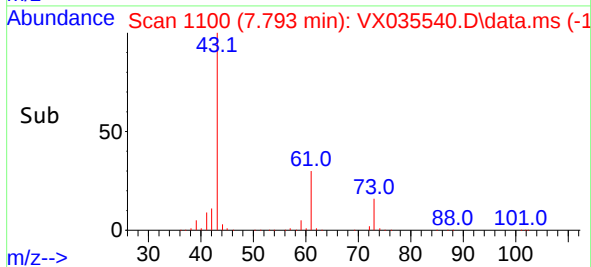
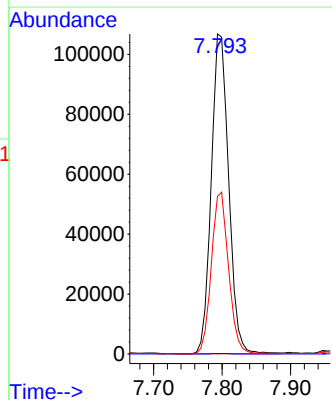
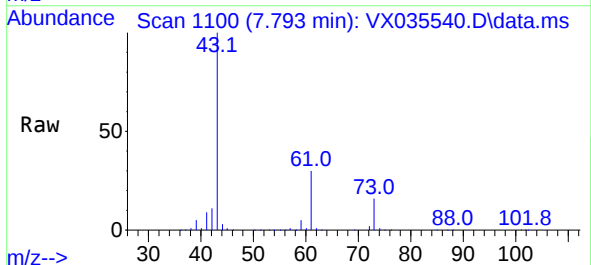
Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

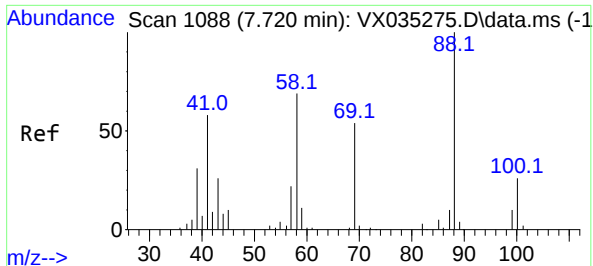
Tgt Ion: 43 Resp: 222335
Ion Ratio Lower Upper
43 100
61 20.2 15.2 22.8
87 13.8 9.8 14.8



#48
Methyl methacrylate
Concen: 52.906 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 41 Resp: 188192
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 50.2 47.7 71.5





#49

1,4-Dioxane

Concen: 4.164 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.079 min

Lab File: VX035540.D

Acq: 05 May 2023 16:48

Instrument :

MSVOA_X

ClientSampleId :

PB152582TB

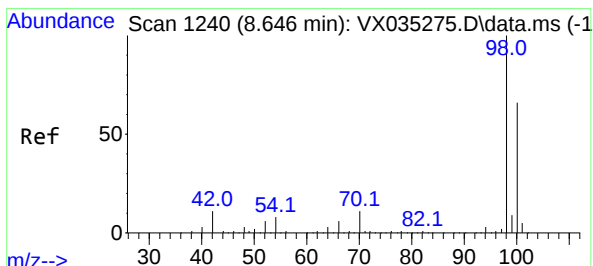
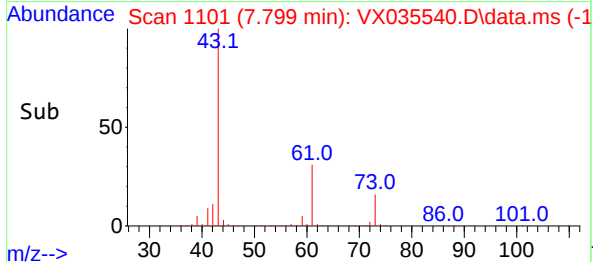
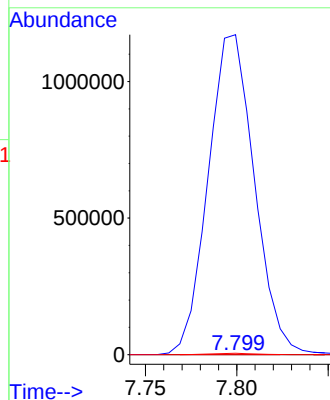
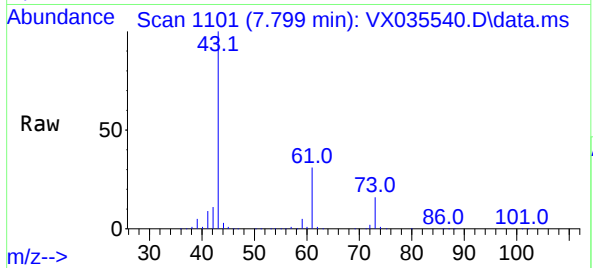
Tgt Ion: 88 Resp: 361

Ion Ratio Lower Upper

88 100

43 575282.5 27.7 41.5#

58 2367.0 56.8 85.2#



#50

Toluene-d8

Concen: 51.116 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX035540.D

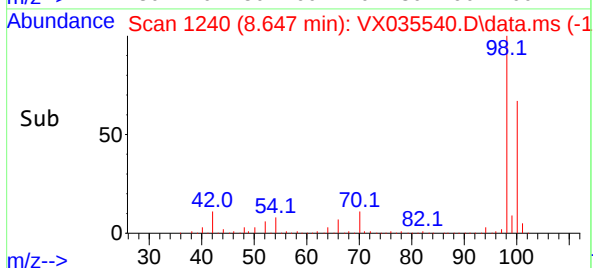
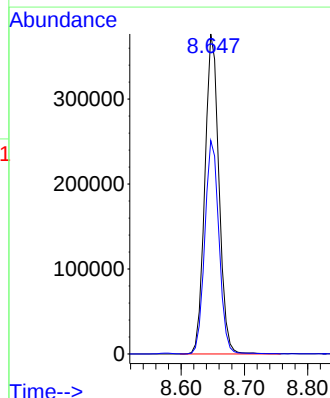
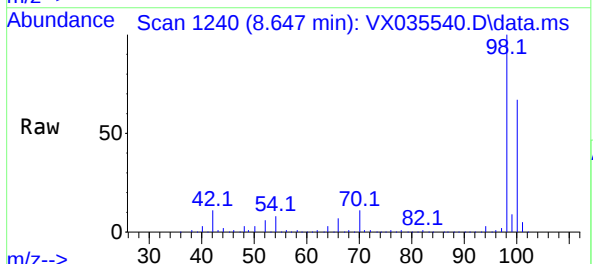
Acq: 05 May 2023 16:48

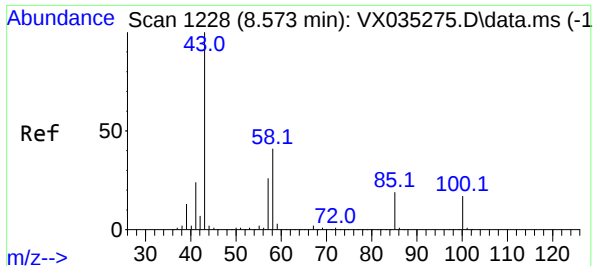
Tgt Ion: 98 Resp: 583507

Ion Ratio Lower Upper

98 100

100 67.3 52.5 78.7

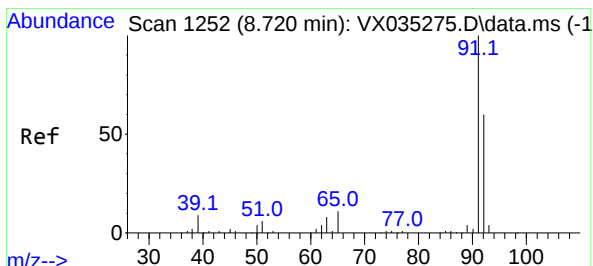
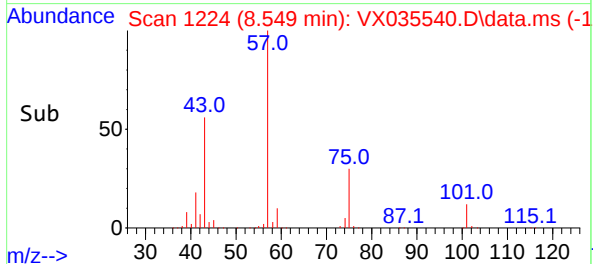
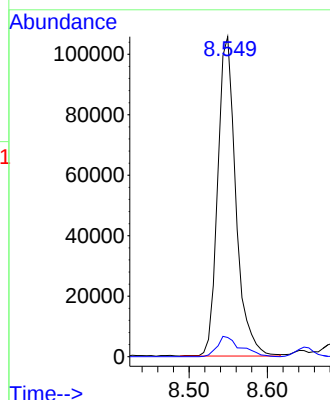
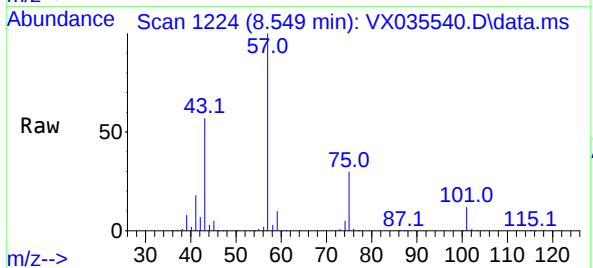




#51
4-Methyl-2-Pentanone
Concen: 38.161 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

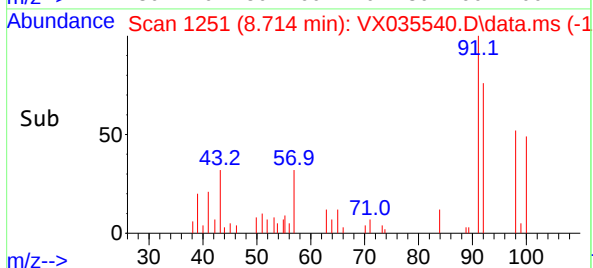
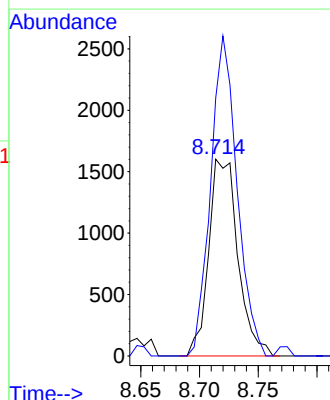
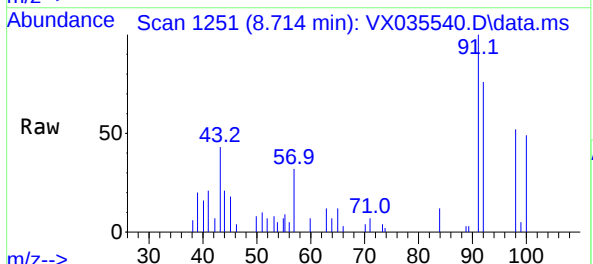
Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

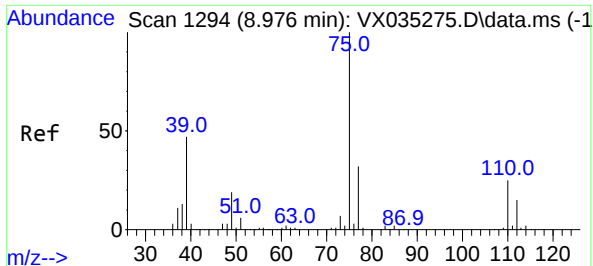
Tgt Ion: 43 Resp: 170009
Ion Ratio Lower Upper
43 100
58 8.2 30.6 46.0#



#52
Toluene
Concen: 0.322 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 92 Resp: 2768
Ion Ratio Lower Upper
92 100
91 147.6 136.8 205.2

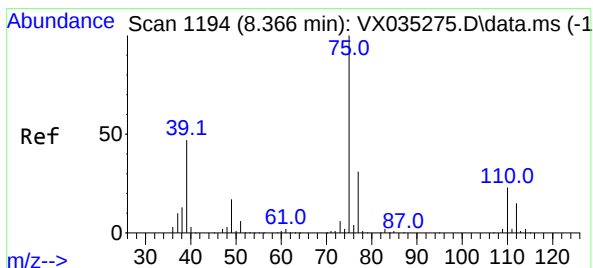
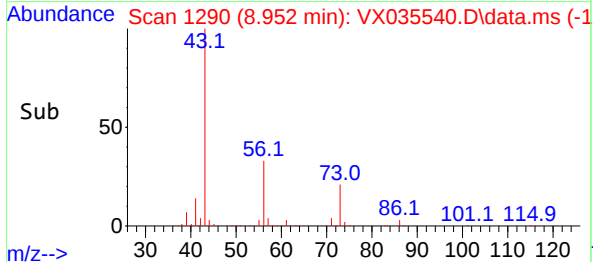
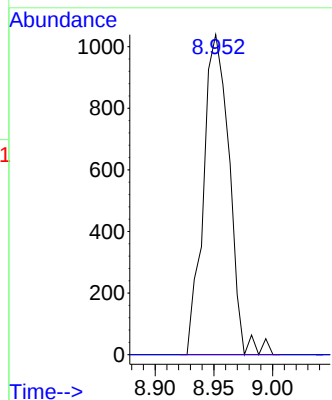
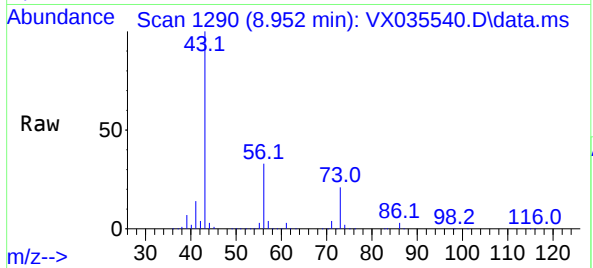




#53
t-1,3-Dichloropropene
Concen: 0.354 ug/l
RT: 8.952 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

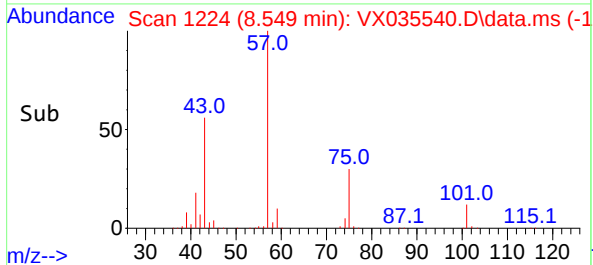
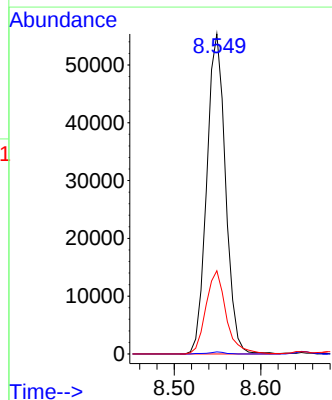
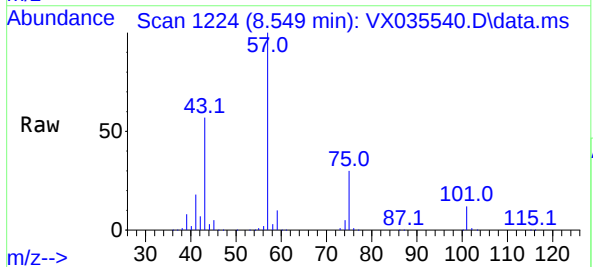
Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

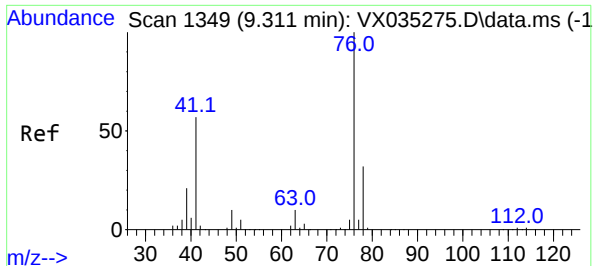
Tgt Ion: 75 Resp: 1599
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 16.325 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 75 Resp: 83319
Ion Ratio Lower Upper
75 100
77 0.6 25.0 37.4#
39 26.0 44.6 66.8#

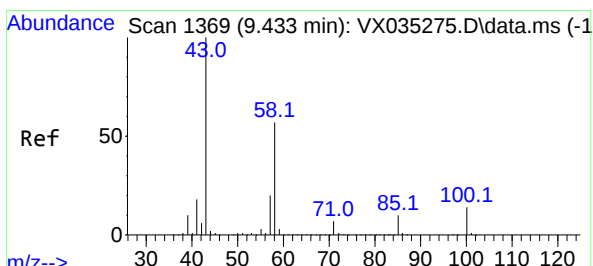
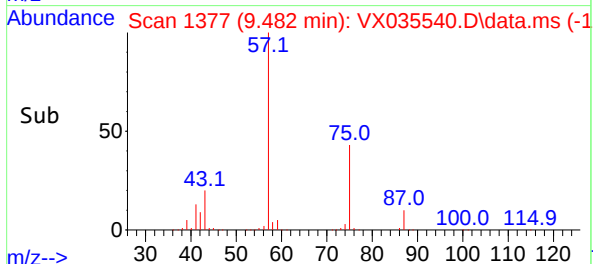
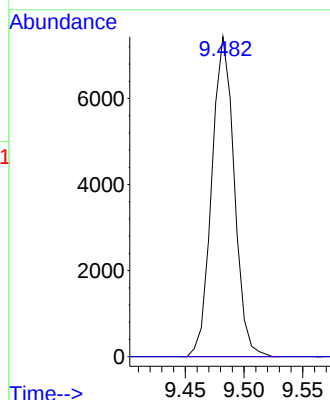
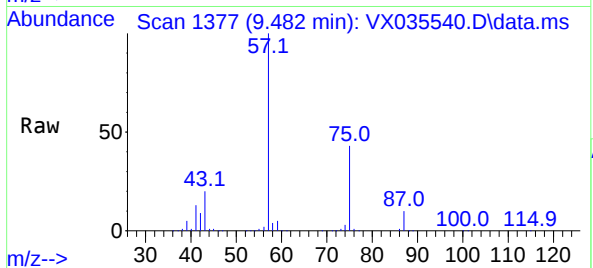




#57
1,3-Dichloropropane
Concen: 1.687 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

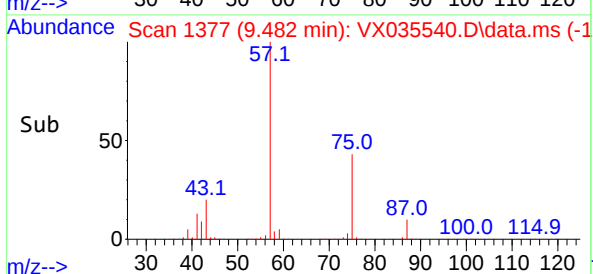
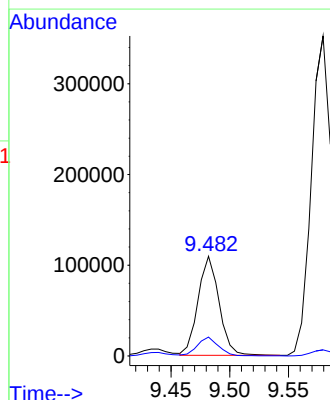
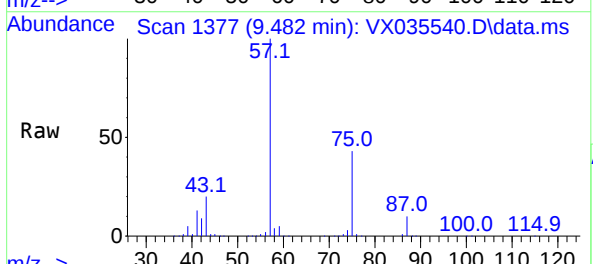
Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

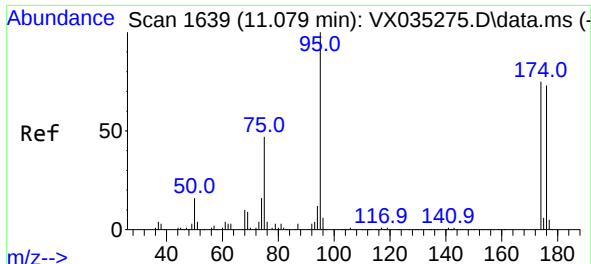
Tgt Ion: 76 Resp: 9881
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 40.606 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 43 Resp: 135904
Ion Ratio Lower Upper
43 100
58 19.5 26.3 78.9#

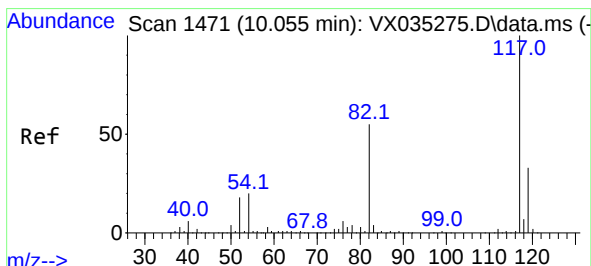
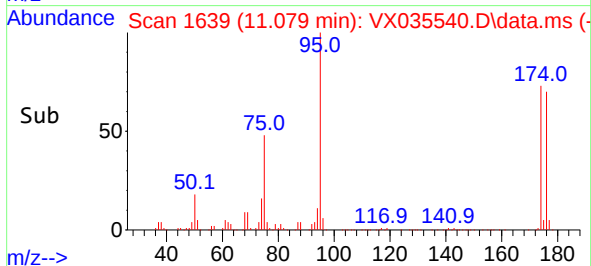
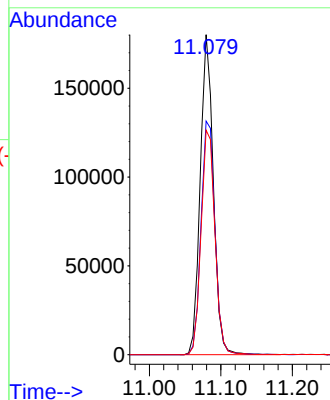
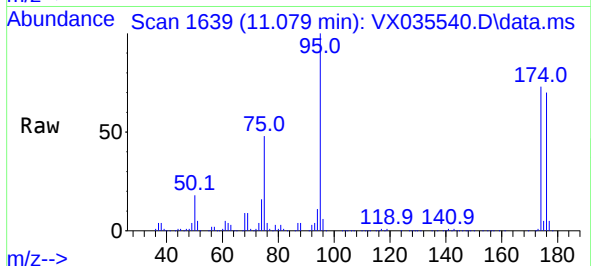




#62
4-Bromofluorobenzene
Concen: 53.363 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

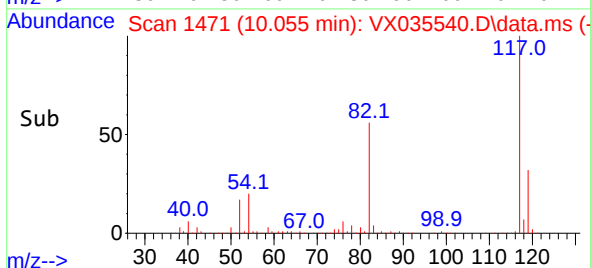
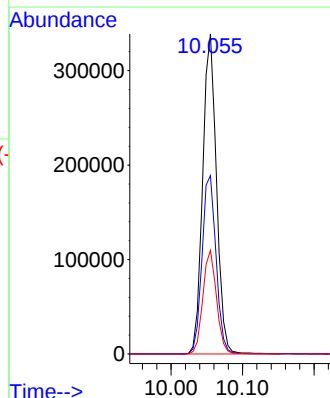
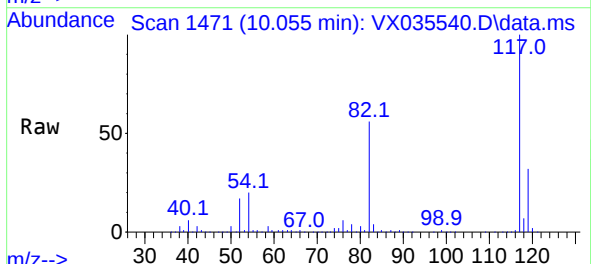
Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

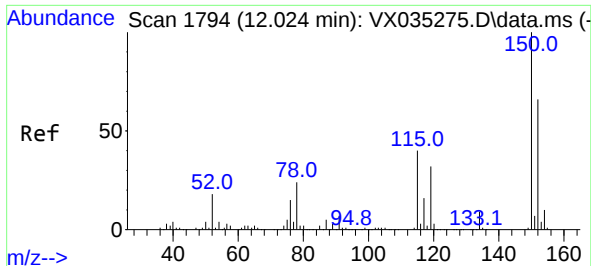
Tgt Ion: 95 Resp: 229155
Ion Ratio Lower Upper
95 100
174 77.6 0.0 147.4
176 74.3 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 117 Resp: 454011
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 32.4 26.0 39.0

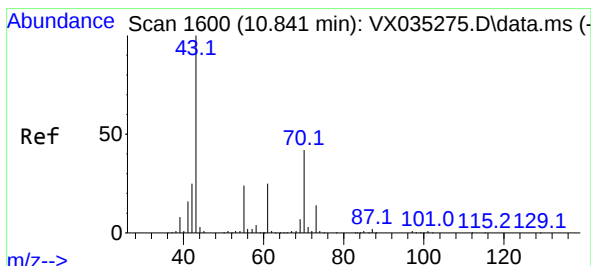
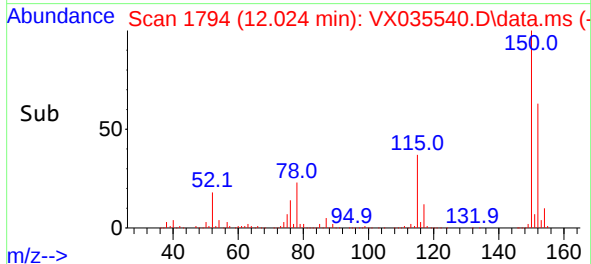
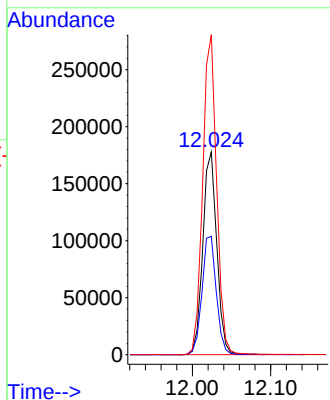
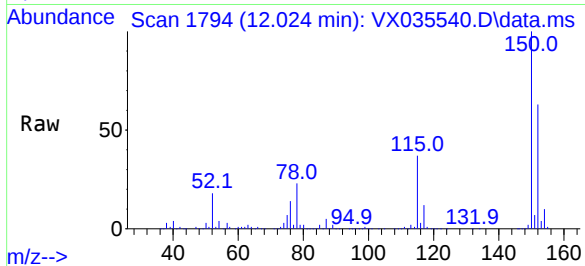




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

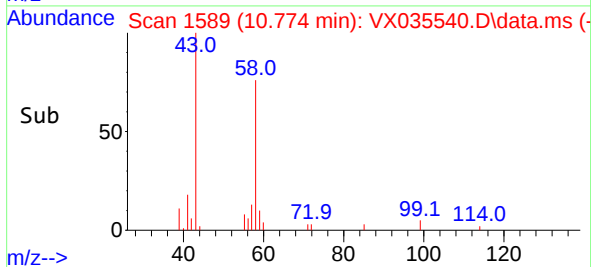
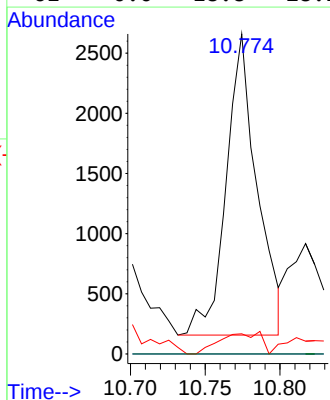
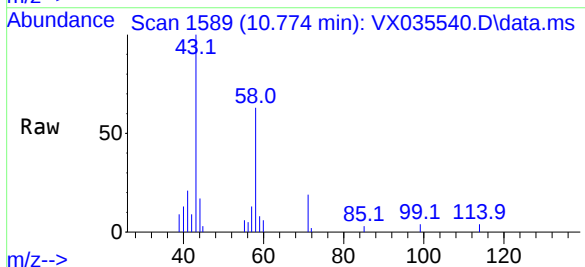
Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

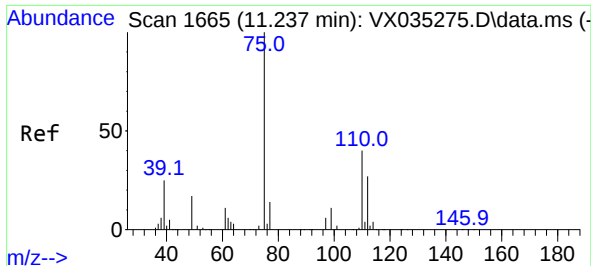
Tgt Ion:152 Resp: 220264
Ion Ratio Lower Upper
152 100
115 59.9 45.0 135.0
150 157.0 0.0 352.4



#74
N-ethyl acetate
Concen: 0.594 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 43 Resp: 3596
Ion Ratio Lower Upper
43 100
70 0.0 32.1 48.1#
55 9.4 18.3 27.5#
61 0.0 18.8 28.2#

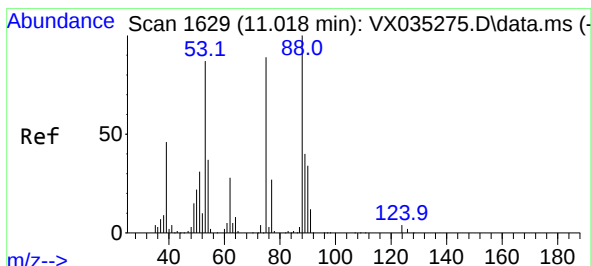
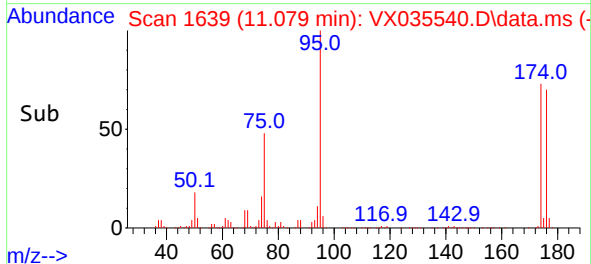
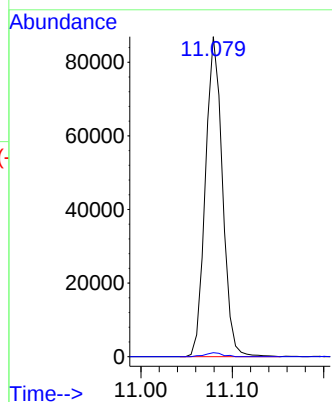
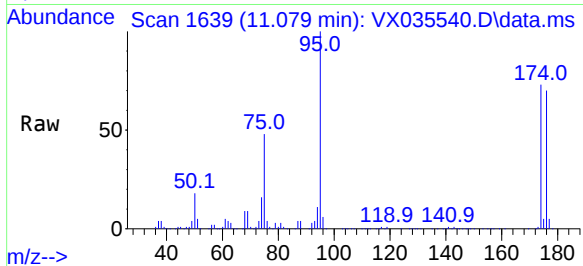




#76
1,2,3-Trichloropropane
Concen: 25.535 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Instrument :
MSVOA_X
ClientSampleId :
PB152582TB

Tgt Ion: 75 Resp: 112195
Ion Ratio Lower Upper
75 100
77 1.3 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.703 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035540.D
Acq: 05 May 2023 16:48

Tgt Ion: 75 Resp: 112195
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#

