

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044962.D
 Acq On : 14 Feb 2025 15:29
 Operator : JC/MD
 Sample : Q1356-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 14 15:58:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

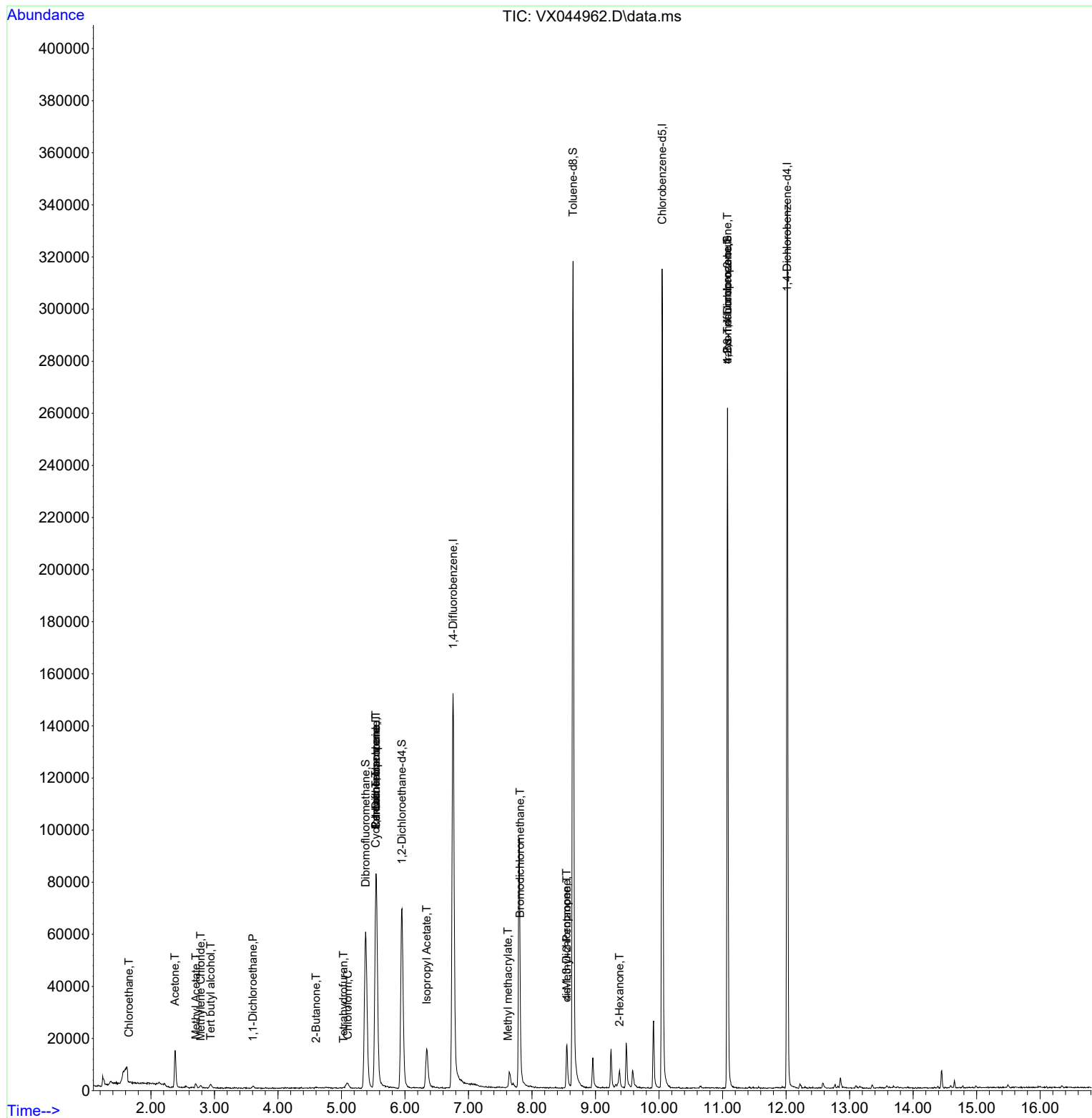
Internal Standards						
1) Pentafluorobenzene	5.544	168	78767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161354	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65157	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64334	55.80	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.60%			
35) Dibromofluoromethane	5.379	113	52974	50.50	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.00%			
50) Toluene-d8	8.647	98	199003	50.17	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.34%			
62) 4-Bromofluorobenzene	11.079	95	69016	51.61	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.22%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	76	1.46	ug/l #	42
11) Tert butyl alcohol	2.941	59	880	4.11	ug/l #	73
16) Acetone	2.380	43	14951	32.26	ug/l	96
18) Methyl Acetate	2.709	43	2102	1.44	ug/l	91
20) Methylene Chloride	2.782	84	470	0.41	ug/l #	87
24) 1,1-Dichloroethane	3.605	63	1253	0.65	ug/l #	83
25) 2-Butanone	4.599	43	319	0.42	ug/l #	48
29) Tetrahydrofuran	5.032	42	220	0.44	ug/l #	33
30) Chloroform	5.099	83	2631	1.40	ug/l	95
31) Cyclohexane	5.538	56	1927	1.08	ug/l #	4
36) 1,1-Dichloropropene	5.544	75	7035	4.65	ug/l #	48
38) Carbon Tetrachloride	5.544	117	8573	5.78	ug/l #	15
43) Isopropyl Acetate	6.342	43	22497	8.28	ug/l	98
47) Bromodichloromethane	7.812	83	339	0.21	ug/l #	83
48) Methyl methacrylate	7.623	41	959	0.75	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	7253	4.39	ug/l #	45
54) cis-1,3-Dichloropropene	8.543	75	2916	1.64	ug/l #	61
59) 2-Hexanone	9.378	43	5550	4.66	ug/l #	24
76) 1,2,3-Trichloropropane	11.079	75	36281	25.11	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	36281	64.60	ug/l #	11

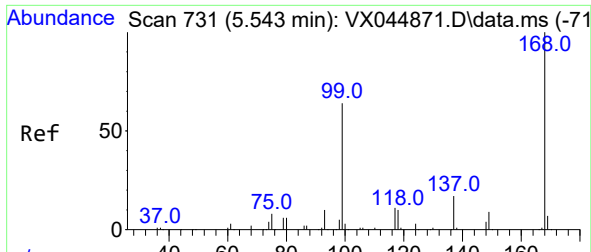
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : Q1356-01
Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

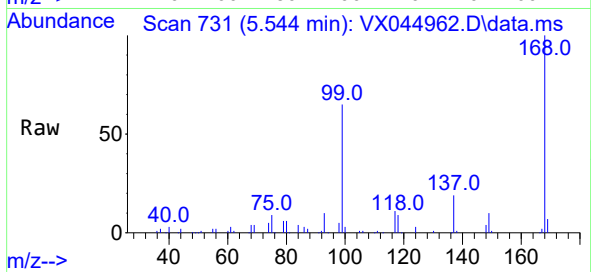
Quant Time: Feb 14 15:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



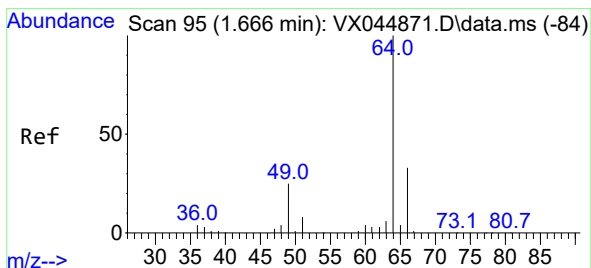
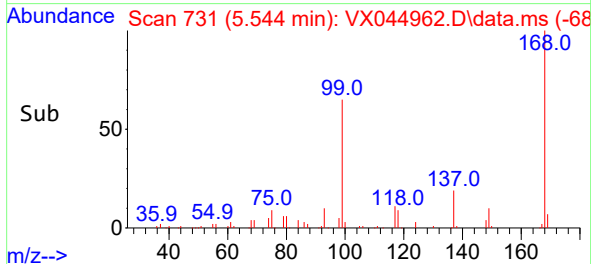
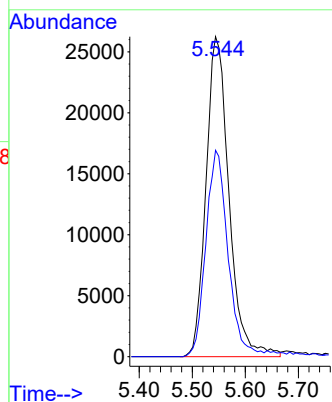


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :

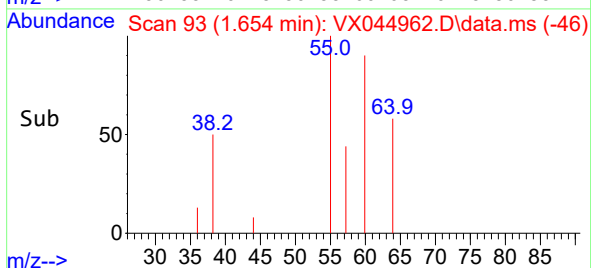
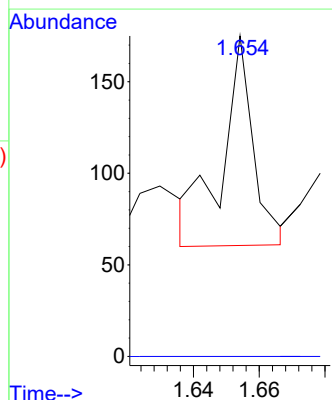
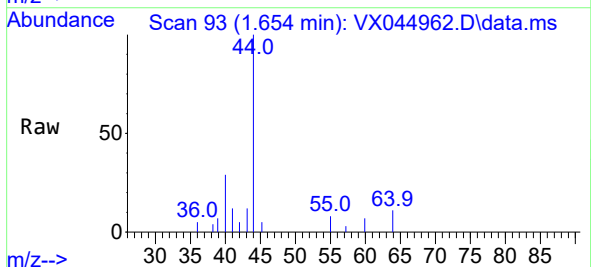


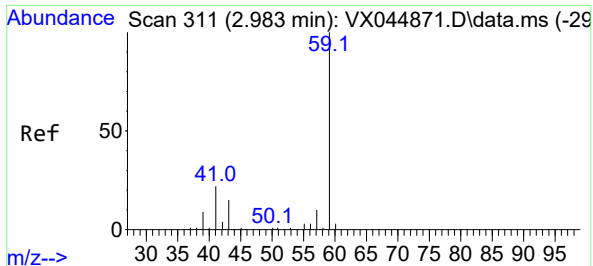
Tgt Ion:168 Resp: 78767
Ion Ratio Lower Upper
168 100
99 64.5 51.2 76.8



#6
Chloroethane
Concen: 1.46 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Tgt Ion: 64 Resp: 76
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 4.11 ug/l

RT: 2.941 min Scan# 30

Delta R.T. -0.042 min

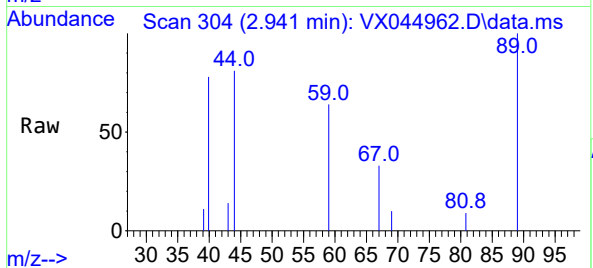
Lab File: VX044962.D

Acq: 14 Feb 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

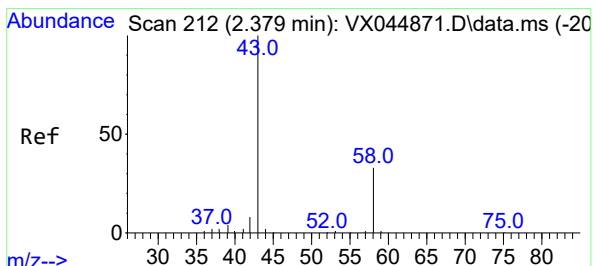
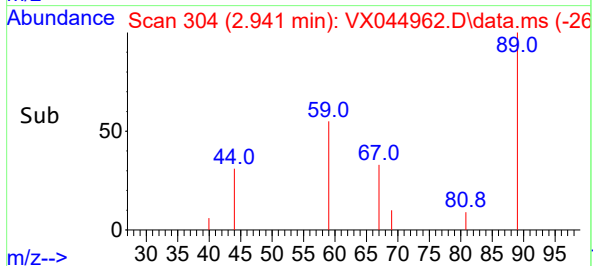
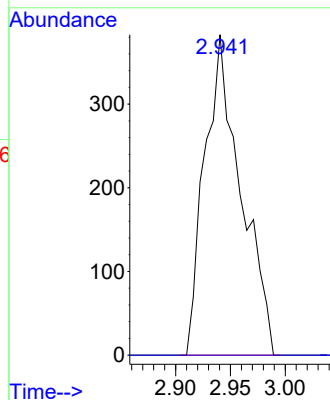


Tgt Ion: 59 Resp: 880

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 32.26 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044962.D

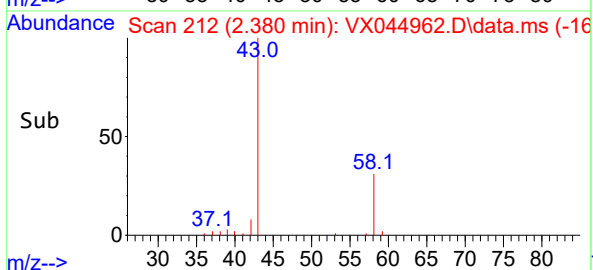
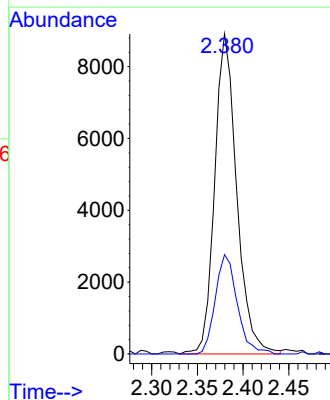
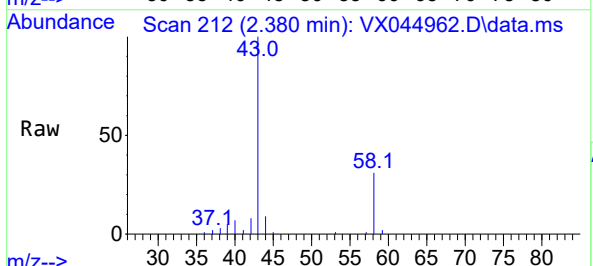
Acq: 14 Feb 2025 15:29

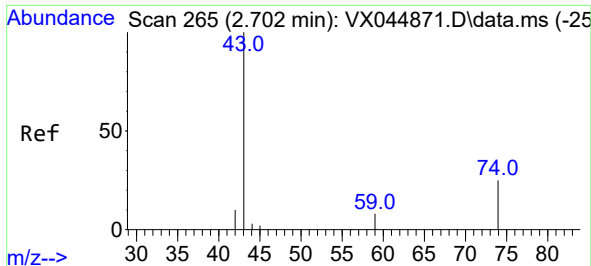
Tgt Ion: 43 Resp: 14951

Ion Ratio Lower Upper

43 100

58 31.1 26.5 39.7

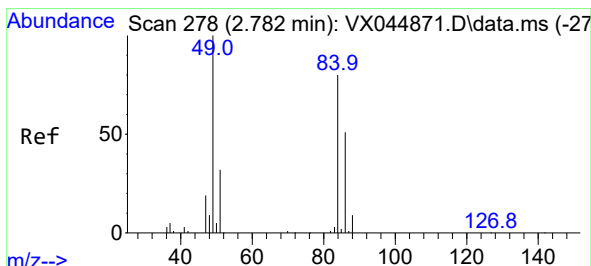
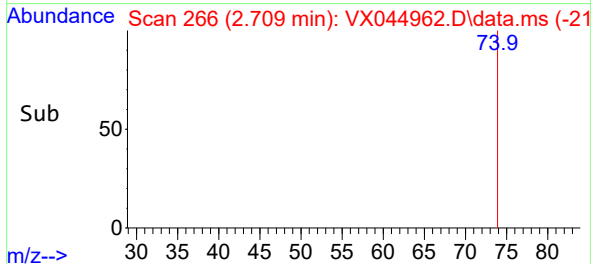
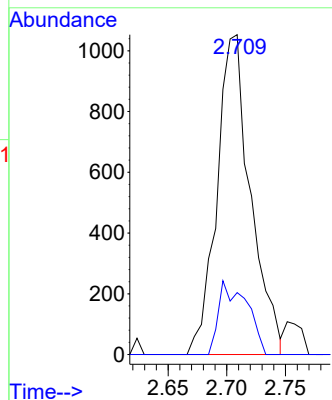
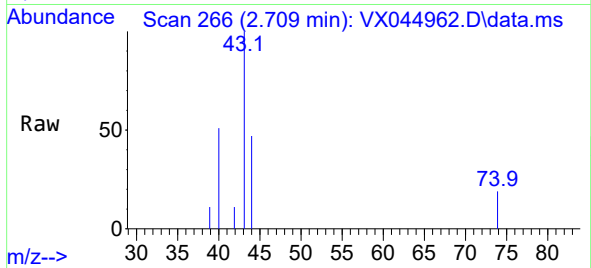




#18
Methyl Acetate
Concen: 1.44 ug/l
RT: 2.709 min Scan# 210
Delta R.T. 0.006 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

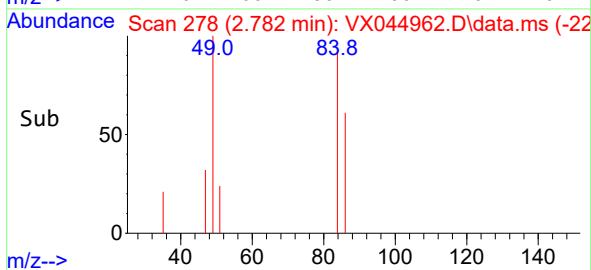
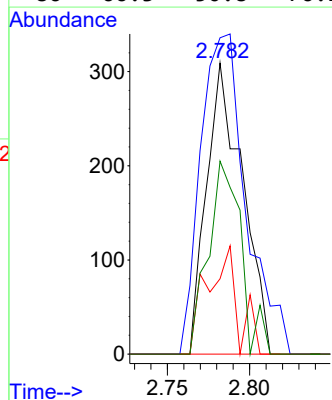
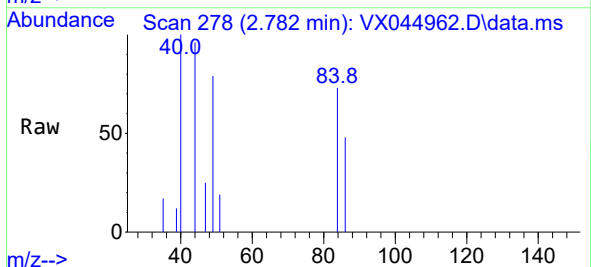
Instrument :
MSVOA_X
ClientSampleId :

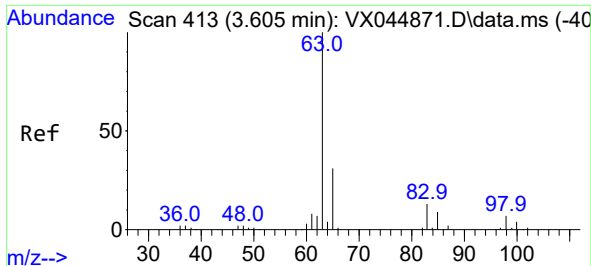
Tgt Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
74 19.3 18.9 28.3



#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

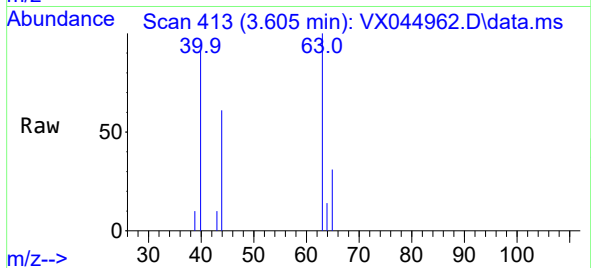
Tgt Ion: 84 Resp: 470
Ion Ratio Lower Upper
84 100
49 108.7 100.1 150.1
51 25.9 31.7 47.5#
86 66.3 50.8 76.2



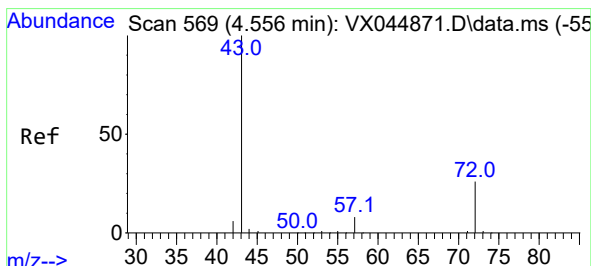
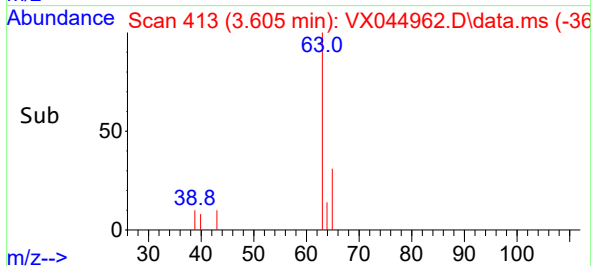
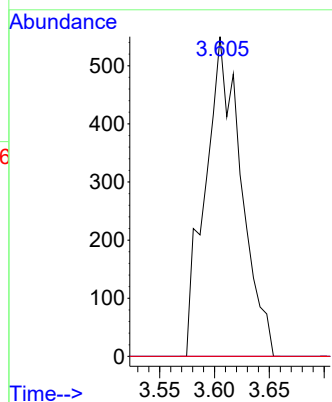


#24
1,1-Dichloroethane
Concen: 0.65 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :

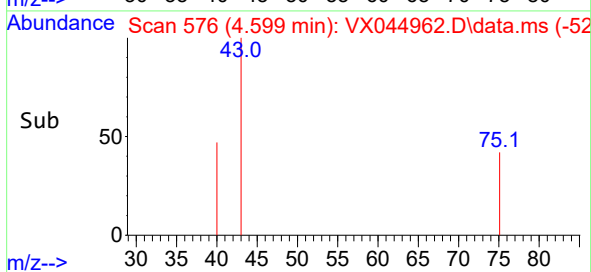
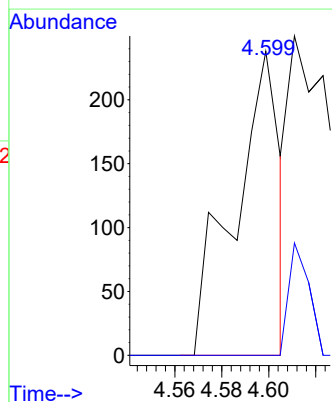
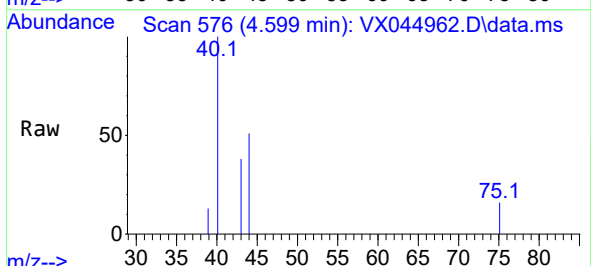


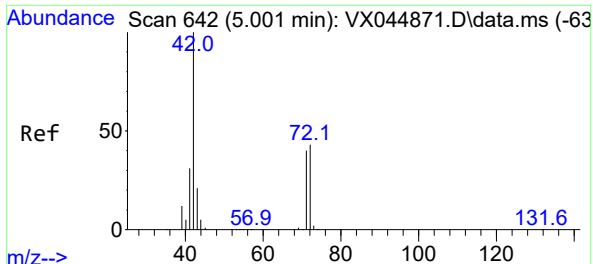
Tgt Ion: 63 Resp: 1253
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.1 6.5#



#25
2-Butanone
Concen: 0.42 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

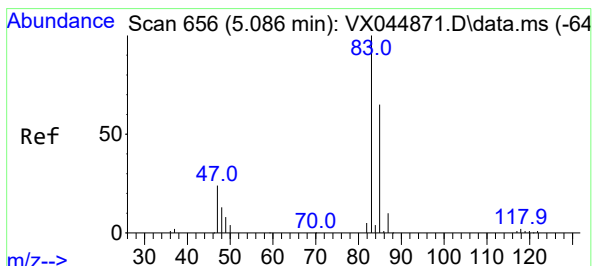
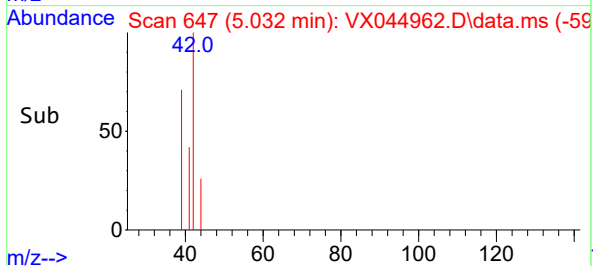
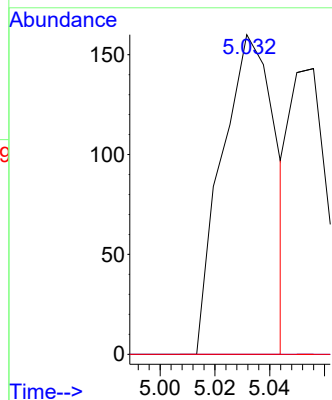
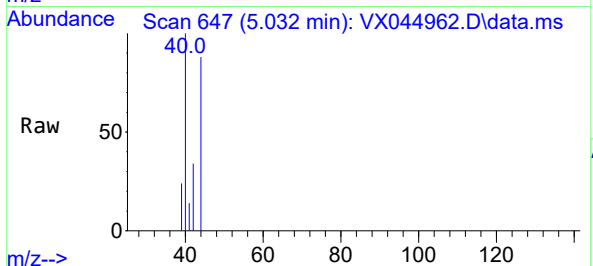




#29
Tetrahydrofuran
Concen: 0.44 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.031 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

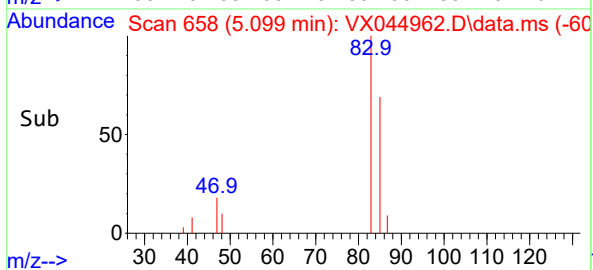
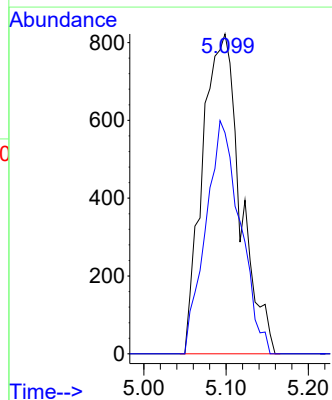
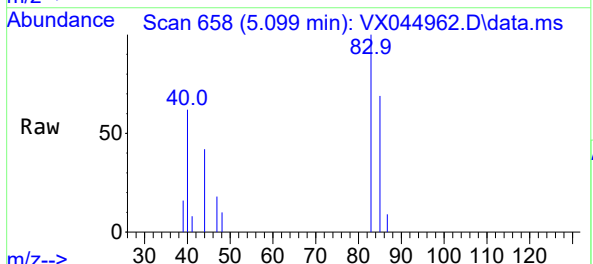
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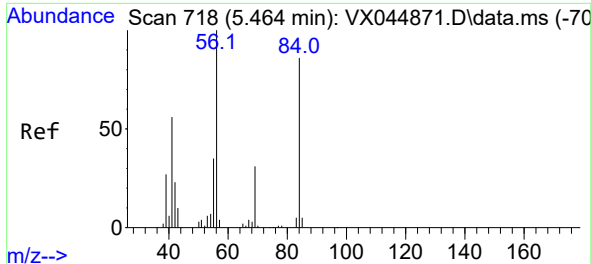
Tgt Ion: 42 Resp: 220
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 0.0 32.6 48.8#



#30
Chloroform
Concen: 1.40 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.013 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

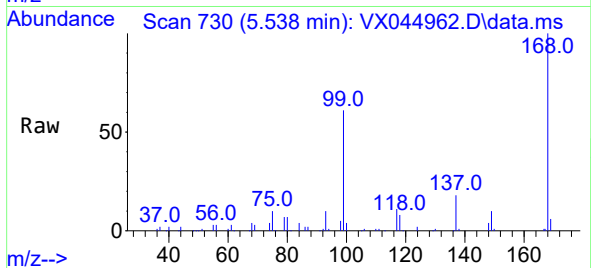
Tgt Ion: 83 Resp: 2631
Ion Ratio Lower Upper
83 100
85 69.1 52.1 78.1



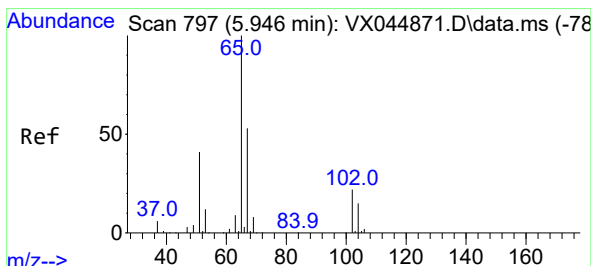
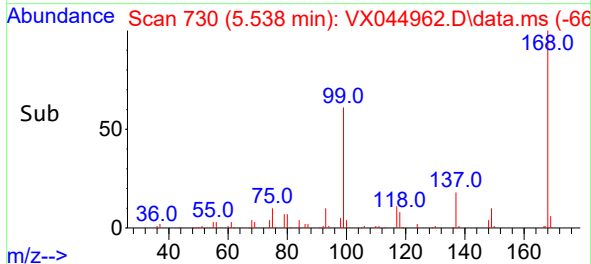
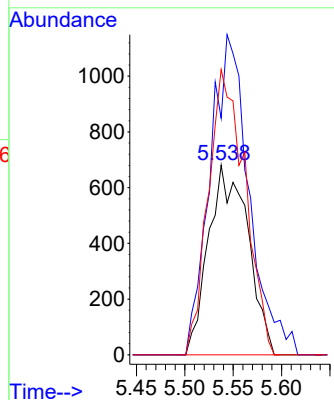


#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :

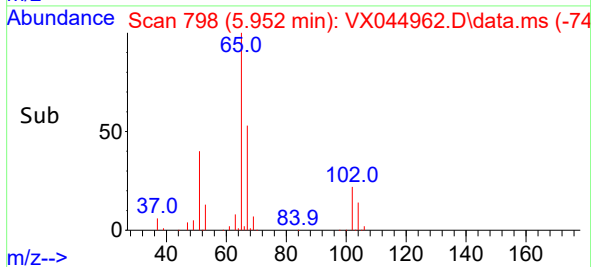
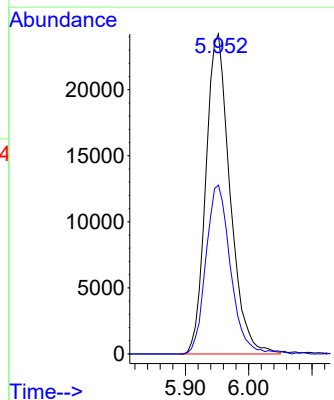
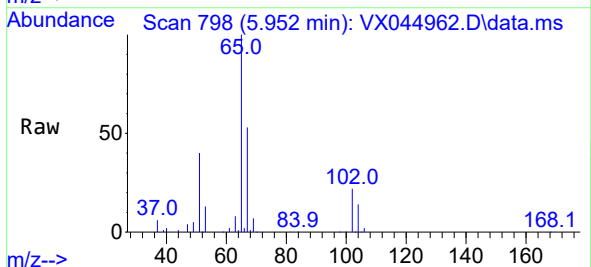


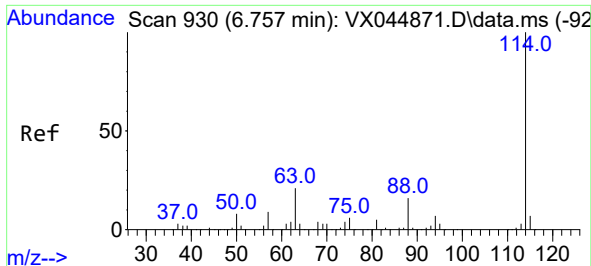
Tgt Ion: 56 Resp: 1927
Ion Ratio Lower Upper
56 100
69 124.7 24.4 36.6#
84 150.4 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 55.80 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Tgt Ion: 65 Resp: 64334
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.2

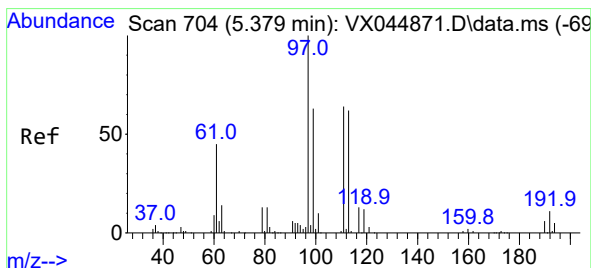
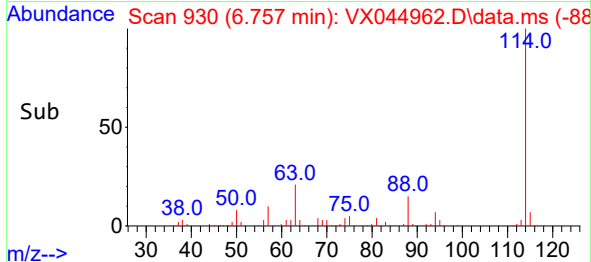
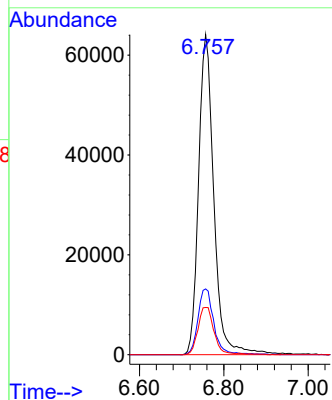
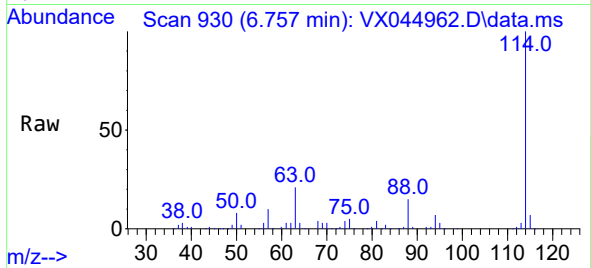




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

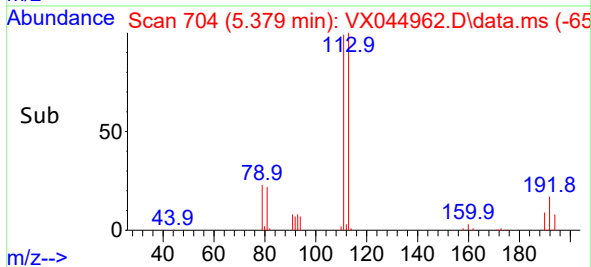
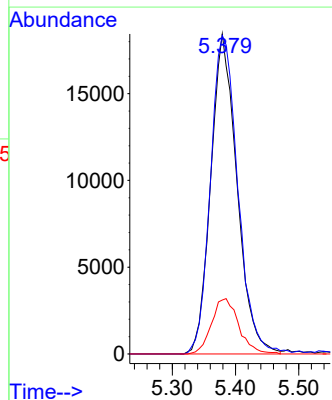
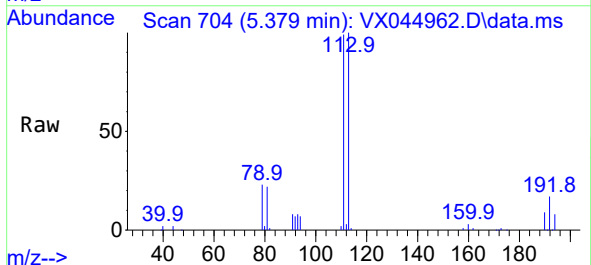
Instrument :
MSVOA_X
ClientSampleId :

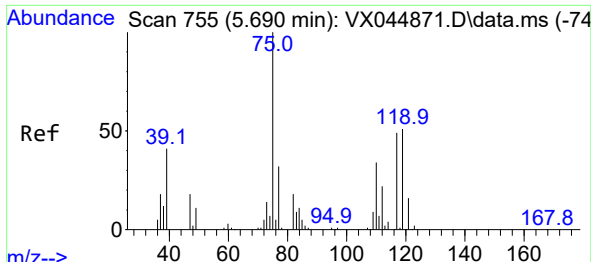
Tgt Ion:114 Resp: 161354
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.4
88 14.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.50 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

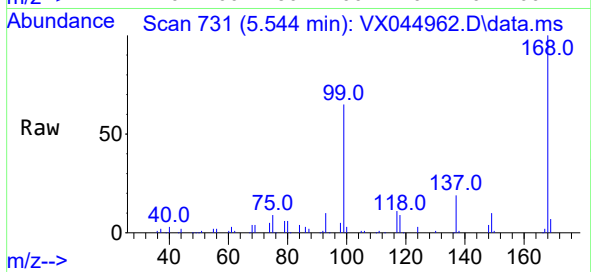
Tgt Ion:113 Resp: 52974
Ion Ratio Lower Upper
113 100
111 103.9 83.5 125.3
192 18.0 14.4 21.6



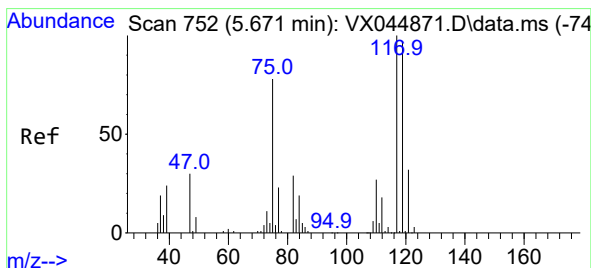
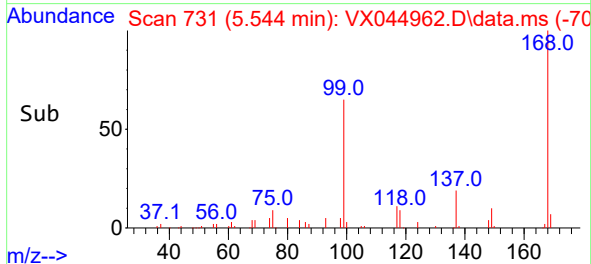
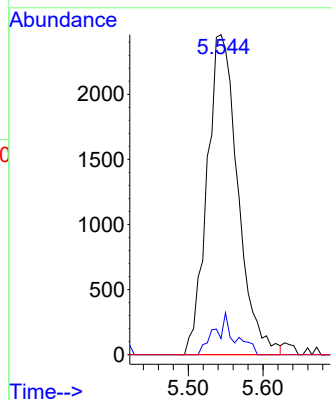


#36
1,1-Dichloropropene
Concen: 4.65 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :

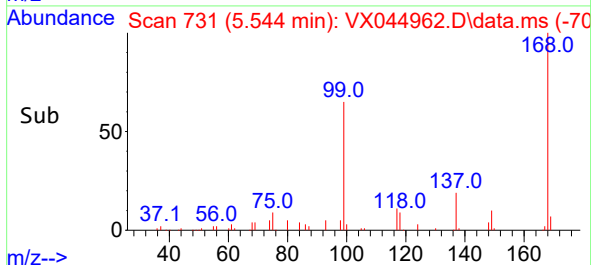
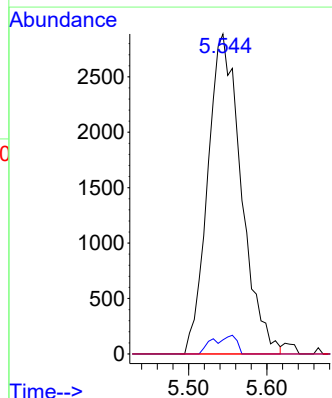
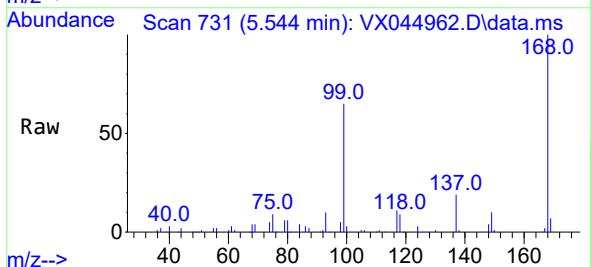


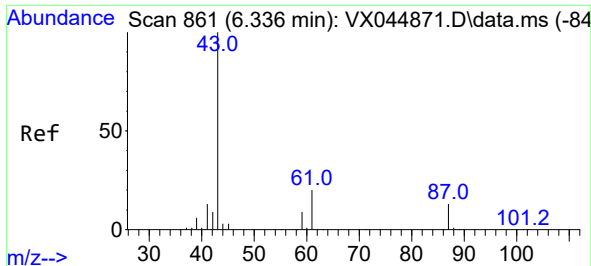
Tgt Ion: 75 Resp: 7035
Ion Ratio Lower Upper
75 100
110 6.4 17.2 51.6#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

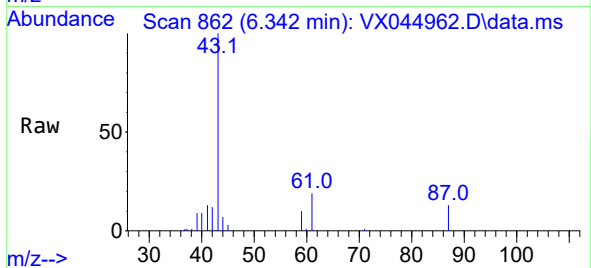
Tgt Ion: 117 Resp: 8573
Ion Ratio Lower Upper
117 100
119 4.4 77.5 116.3#
121 0.0 25.6 38.4#



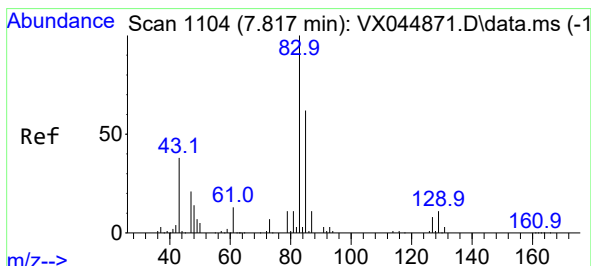
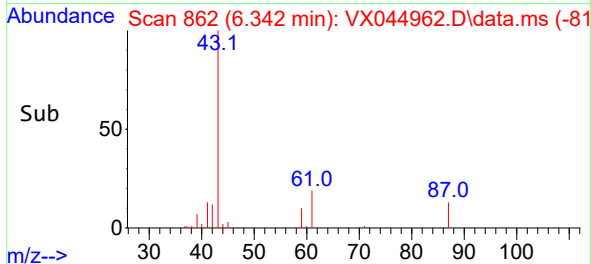
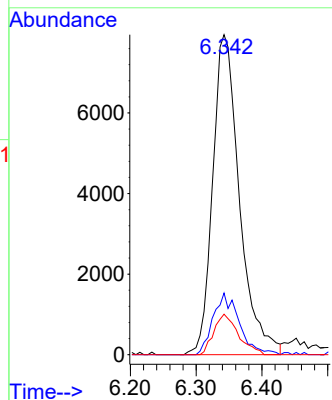


#43
Isopropyl Acetate
Concen: 8.28 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :

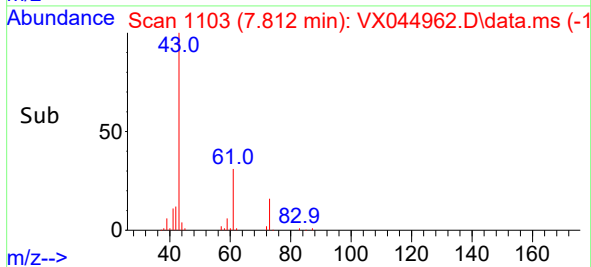
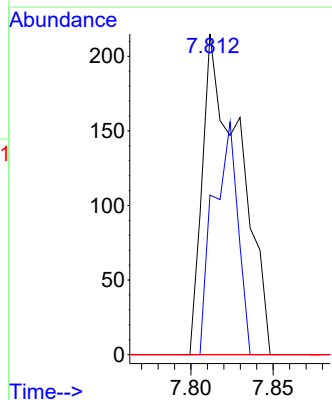
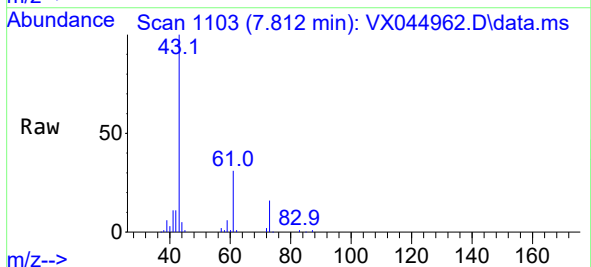


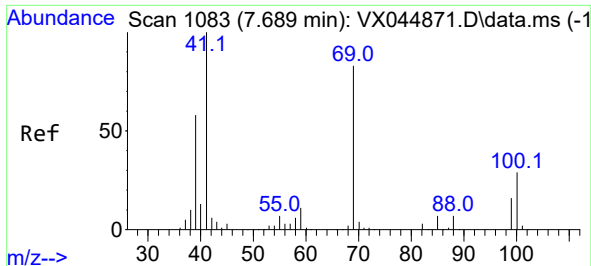
Tgt Ion: 43 Resp: 22497
Ion Ratio Lower Upper
43 100
61 18.8 15.8 23.8
87 11.6 10.0 15.0



#47
Bromodichloromethane
Concen: 0.21 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Tgt Ion: 83 Resp: 339
Ion Ratio Lower Upper
83 100
85 49.8 50.0 75.0#
127 0.0 6.4 9.6#





#48

Methyl methacrylate

Concen: 0.75 ug/l

RT: 7.623 min Scan# 1083

Delta R.T. -0.067 min

Lab File: VX044962.D

Acq: 14 Feb 2025 15:29

Instrument :

MSVOA_X

ClientSampleId :

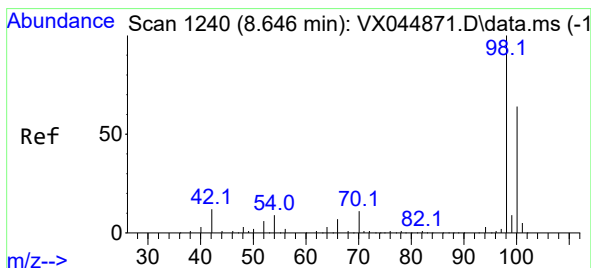
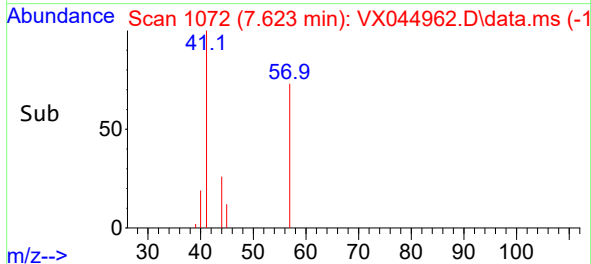
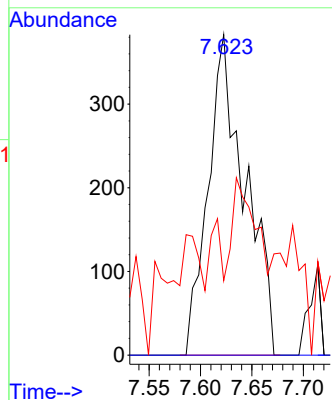
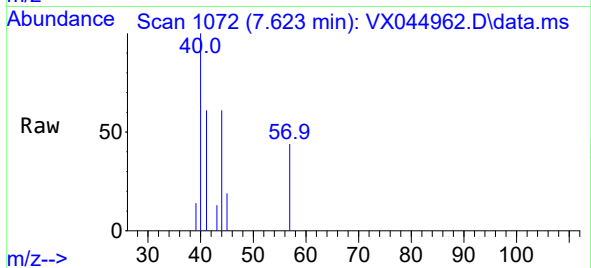
Tgt Ion: 41 Resp: 959

Ion Ratio Lower Upper

41 100

69 0.0 65.8 98.8#

39 19.6 46.4 69.6#



#50

Toluene-d8

Concen: 50.17 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044962.D

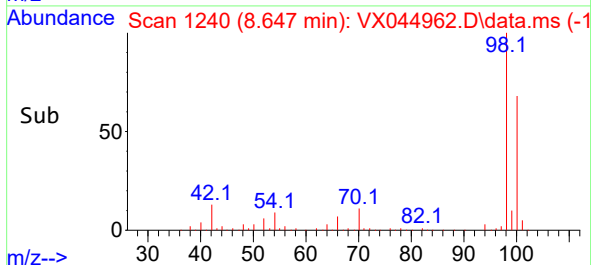
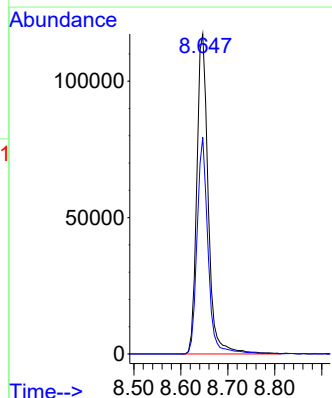
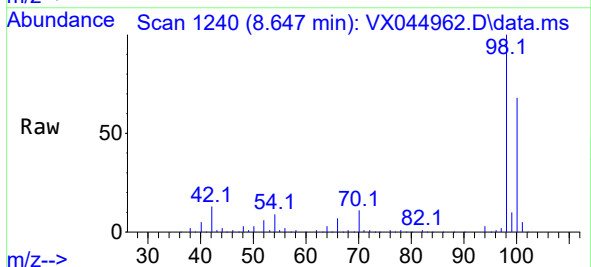
Acq: 14 Feb 2025 15:29

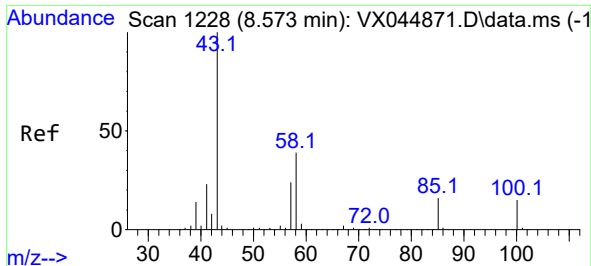
Tgt Ion: 98 Resp: 199003

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1

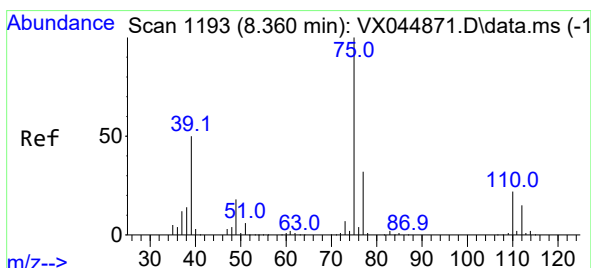
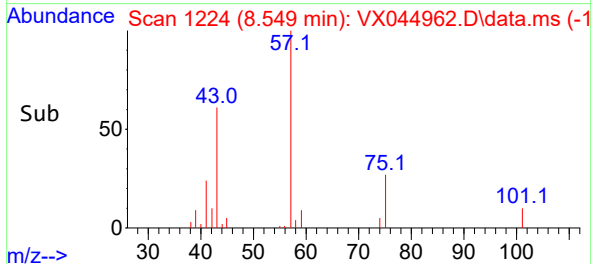
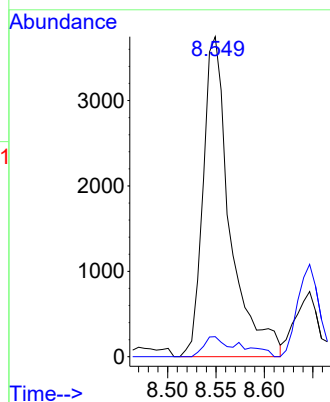
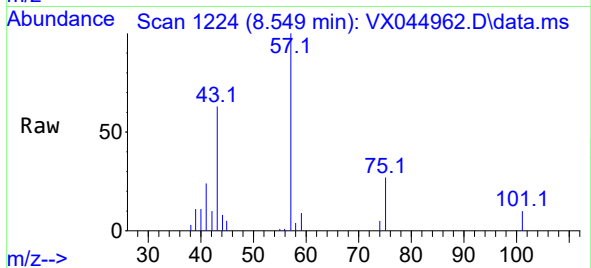




#51
4-Methyl-2-Pentanone
Concen: 4.39 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

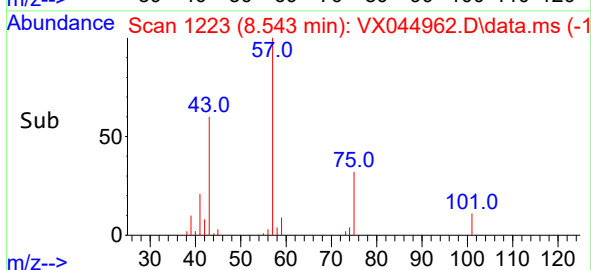
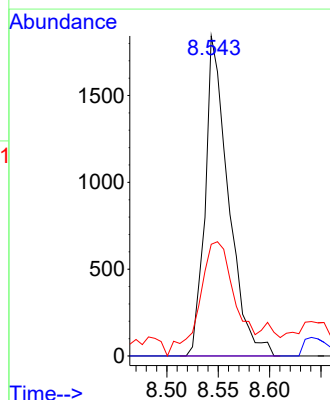
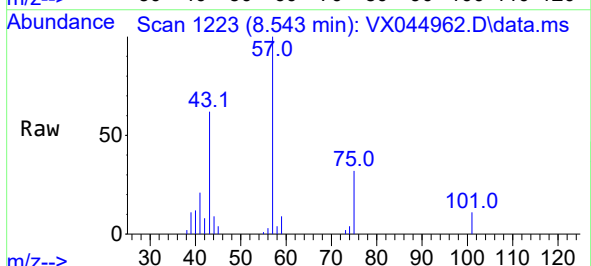
Instrument :
MSVOA_X
ClientSampleId :

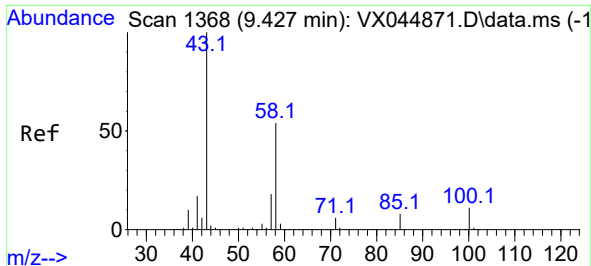
Tgt Ion: 43 Resp: 7253
Ion Ratio Lower Upper
43 100
58 5.2 30.8 46.2#



#54
cis-1,3-Dichloropropene
Concen: 1.64 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.183 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Tgt Ion: 75 Resp: 2916
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 31.0 40.0 60.0#

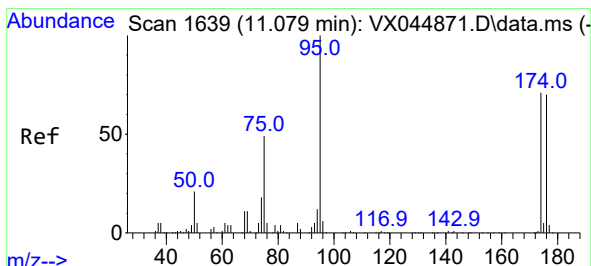
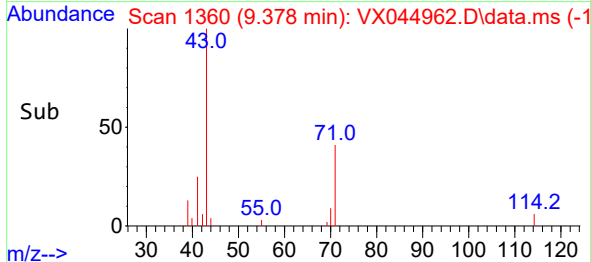
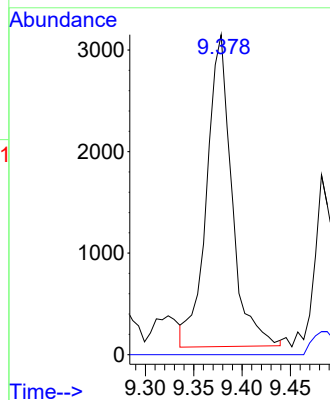
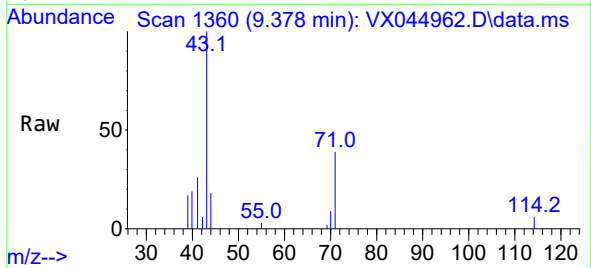




#59
2-Hexanone
Concen: 4.66 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

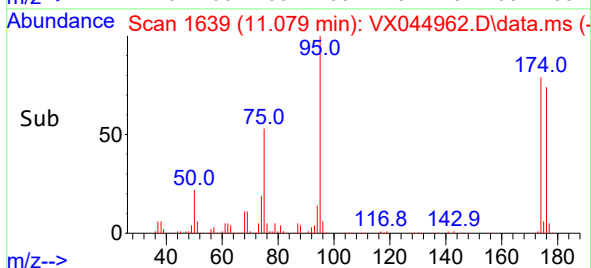
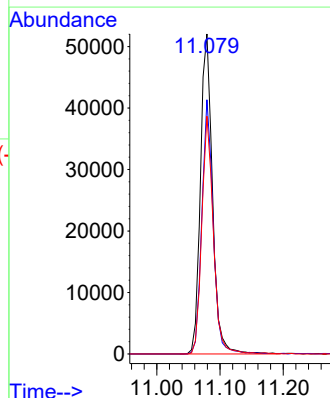
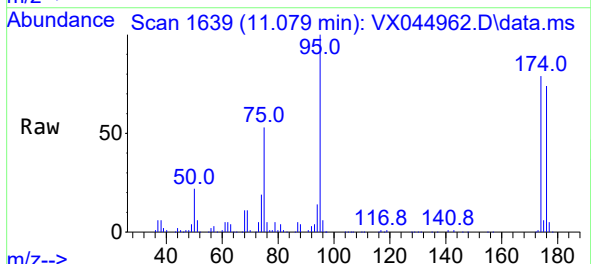
Instrument :
MSVOA_X
ClientSampleId :

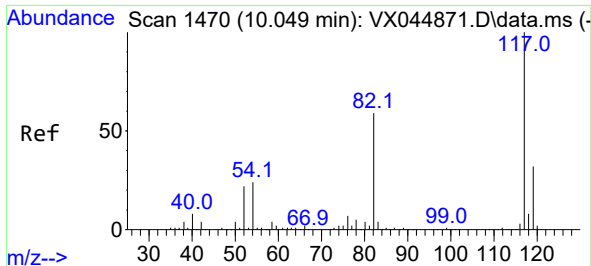
Tgt Ion: 43 Resp: 5550
Ion Ratio Lower Upper
43 100
58 0.0 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 51.61 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

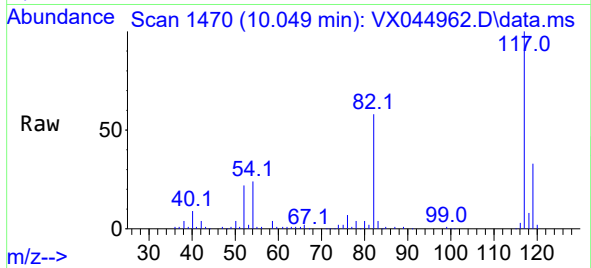
Tgt Ion: 95 Resp: 69016
Ion Ratio Lower Upper
95 100
174 74.8 0.0 142.6
176 71.5 0.0 141.6



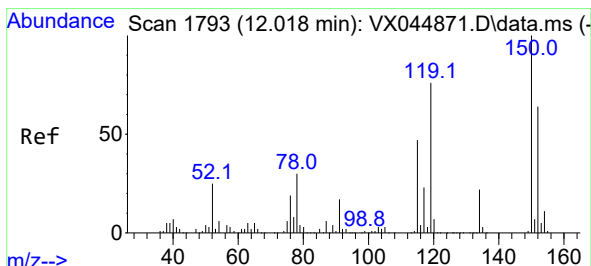
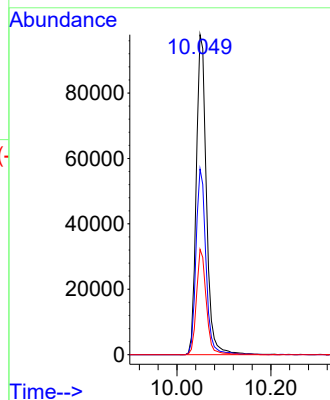
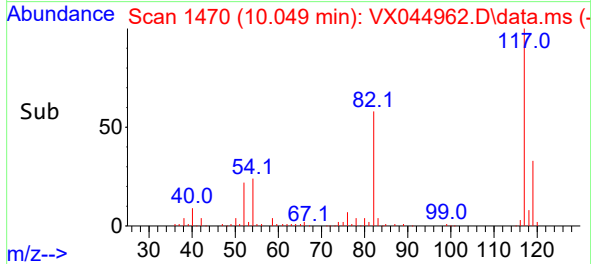


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :

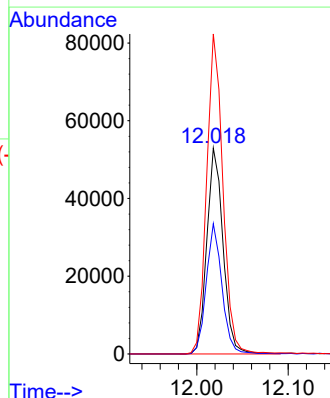
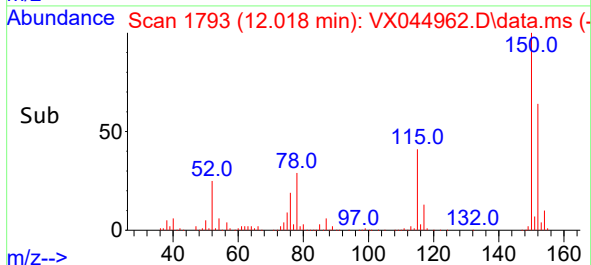
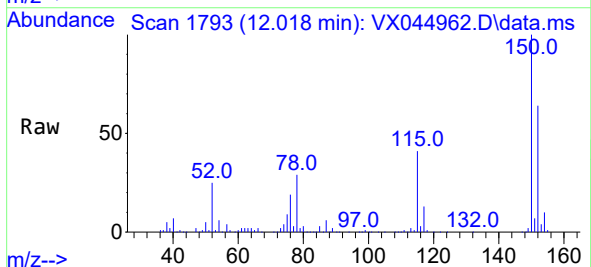


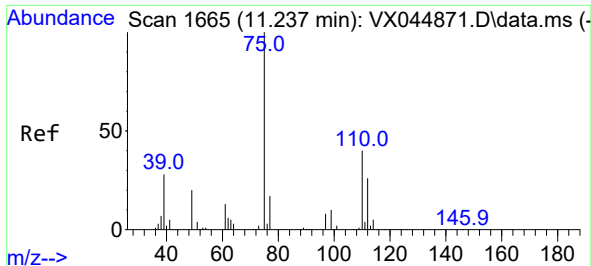
Tgt Ion:117 Resp: 147582
Ion Ratio Lower Upper
117 100
82 58.1 47.5 71.3
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Tgt Ion:152 Resp: 65157
Ion Ratio Lower Upper
152 100
115 61.5 43.4 130.1
150 155.3 0.0 350.4

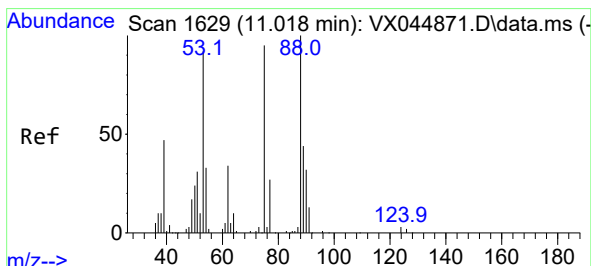
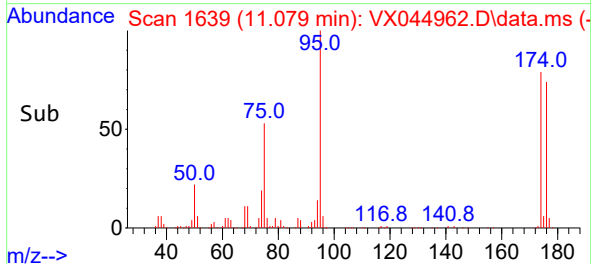
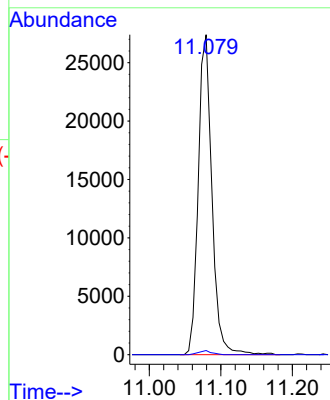
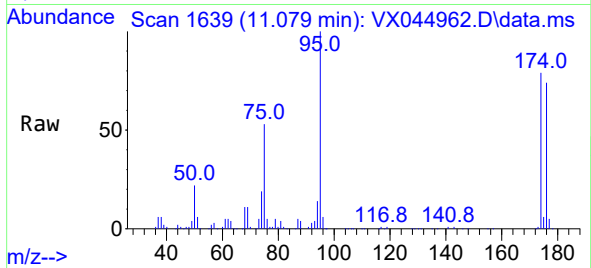




#76
1,2,3-Trichloropropane
Concen: 25.11 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 36281
Ion Ratio Lower Upper
75 100
77 1.2 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.60 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044962.D
Acq: 14 Feb 2025 15:29

Tgt Ion: 75 Resp: 36281
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

