

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045855.D
 Acq On : 18 Apr 2025 14:10
 Operator : JC/MD
 Sample : Q1828-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RT5417

Quant Time: Apr 18 23:39:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

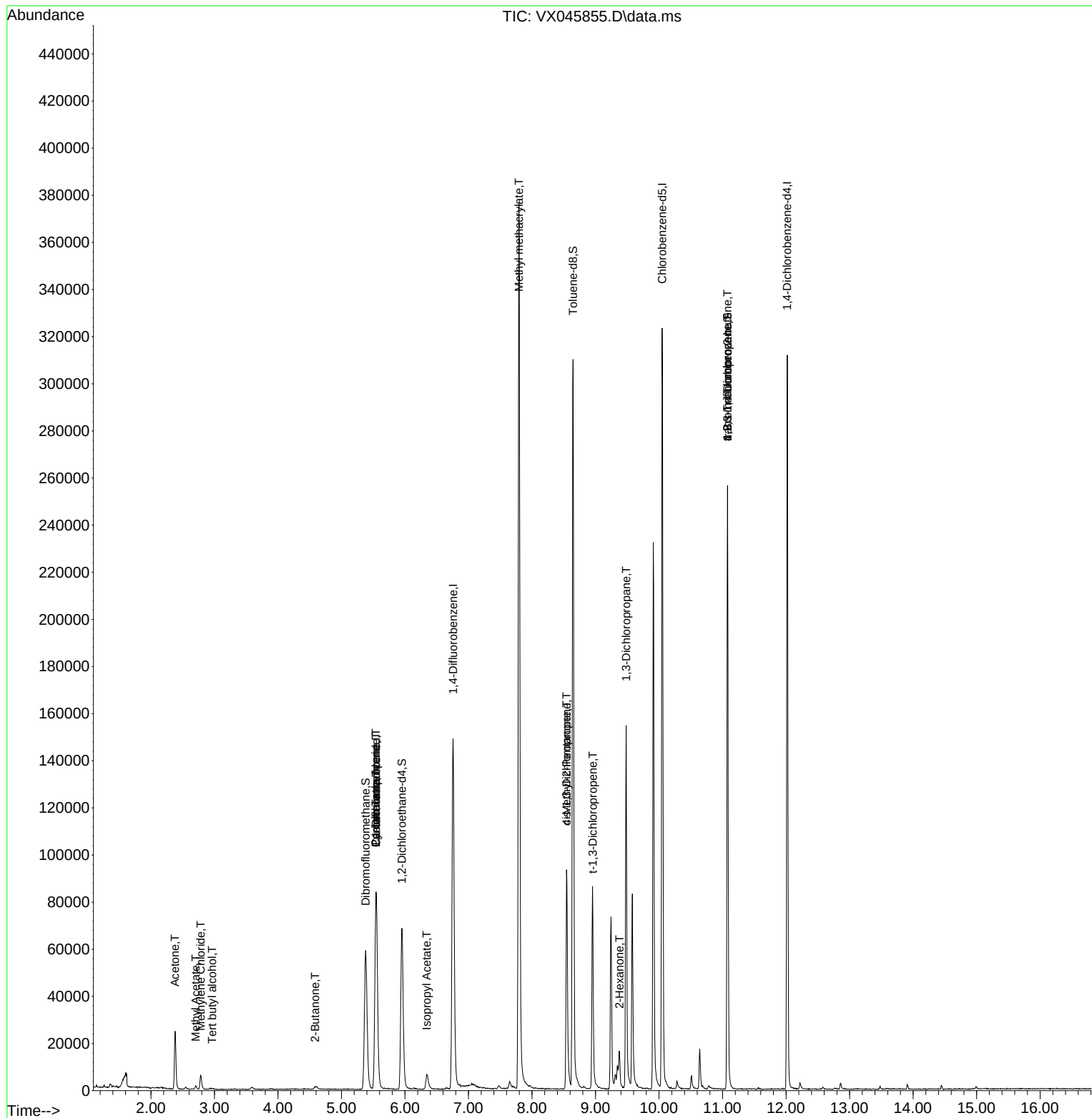
Internal Standards						
1) Pentafluorobenzene	5.544	168	72717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143735	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70614	53.101	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.200%	
35) Dibromofluoromethane	5.379	113	51195	50.201	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.400%	
50) Toluene-d8	8.647	98	179686	50.481	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.960%	
62) 4-Bromofluorobenzene	11.079	95	68908	53.147	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.300%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	394	2.205	ug/l	# 72
16) Acetone	2.380	43	26786	49.054	ug/l	99
18) Methyl Acetate	2.703	43	1831	1.456	ug/l	95
20) Methylene Chloride	2.782	84	2852	2.790	ug/l	# 83
25) 2-Butanone	4.587	43	3034	3.796	ug/l	95
31) Cyclohexane	5.544	56	2088	1.280	ug/l	# 43
36) 1,1-Dichloropropene	5.544	75	7190	5.222	ug/l	# 50
38) Carbon Tetrachloride	5.544	117	8458	5.684	ug/l	# 16
43) Isopropyl Acetate	6.342	43	9952	3.784	ug/l	97
48) Methyl methacrylate	7.793	41	37899	27.910	ug/l	# 49
51) 4-Methyl-2-Pentanone	8.543	43	37650	21.595	ug/l	# 52
53) t-1,3-Dichloropropene	8.958	75	162	2.389	ug/l	# 43
54) cis-1,3-Dichloropropene	8.543	75	13948	9.227	ug/l	# 67
57) 1,3-Dichloropropane	9.482	76	1321	0.748	ug/l	# 42
59) 2-Hexanone	9.378	43	14215	11.010	ug/l	# 28
76) 1,2,3-Trichloropropane	11.079	75	39812	28.062	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	39812	95.238	ug/l	# 1

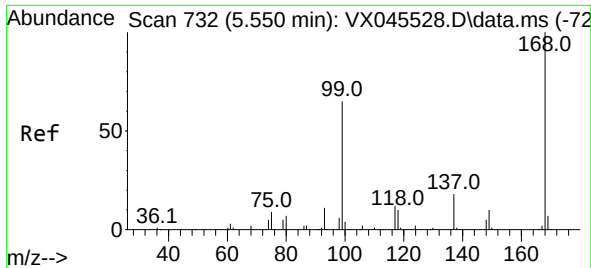
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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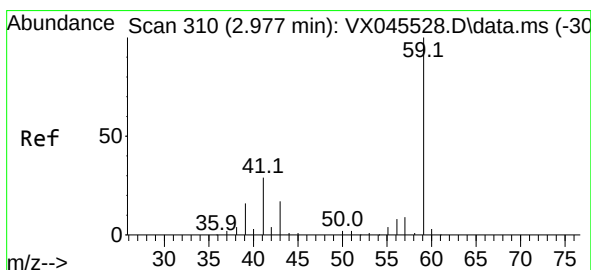
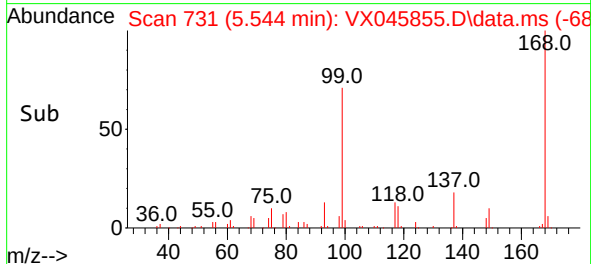
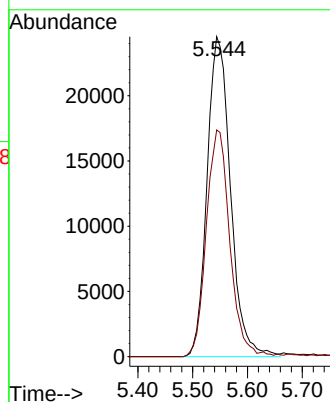
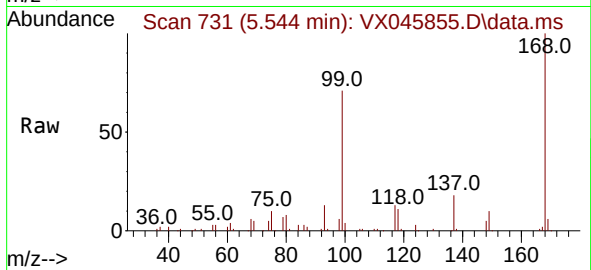




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

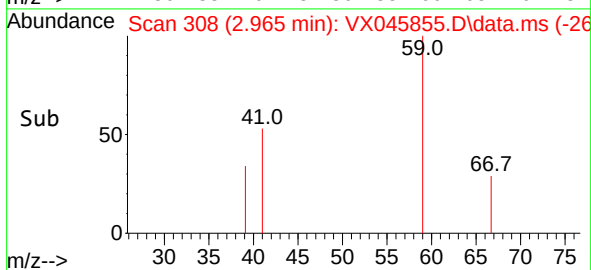
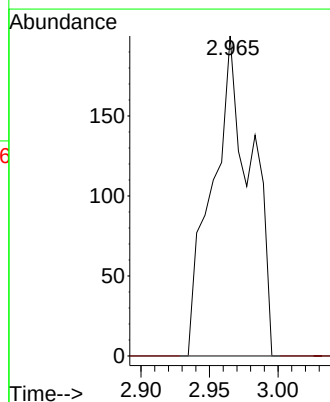
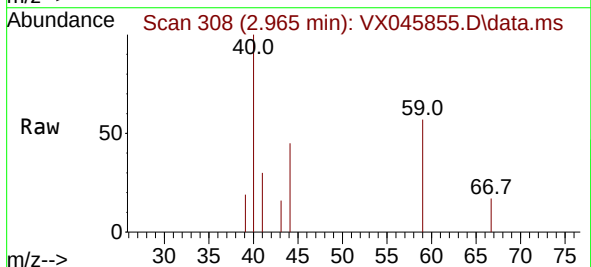
Instrument :
MSVOA_X
ClientSampleId :
RT5417

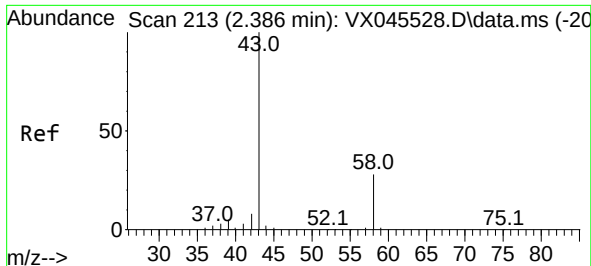
Tgt Ion:168 Resp: 72717
Ion Ratio Lower Upper
168 100
99 70.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.205 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

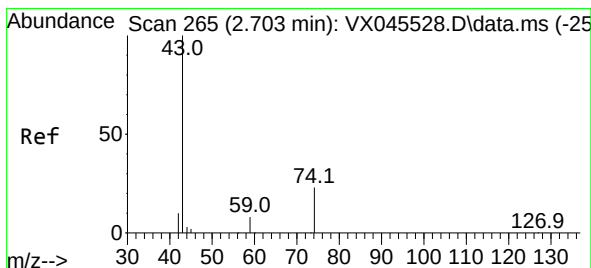
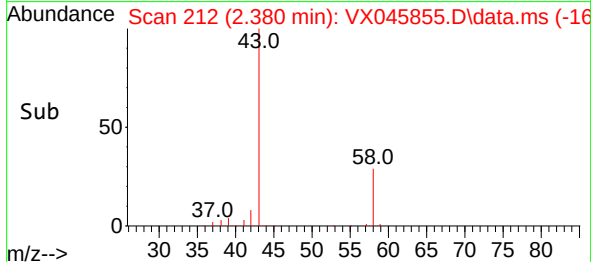
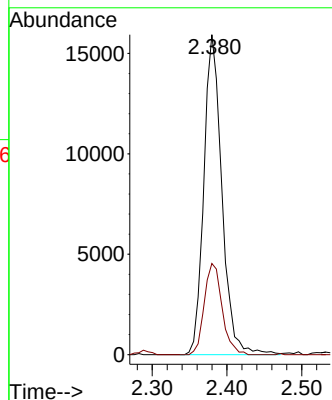
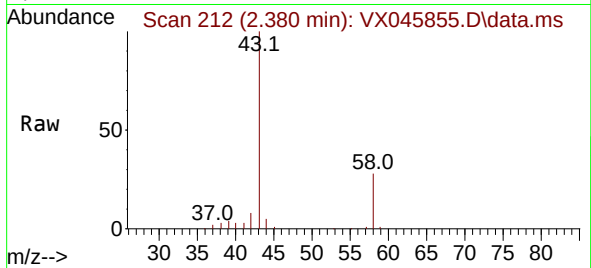




#16
Acetone
Concen: 49.054 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

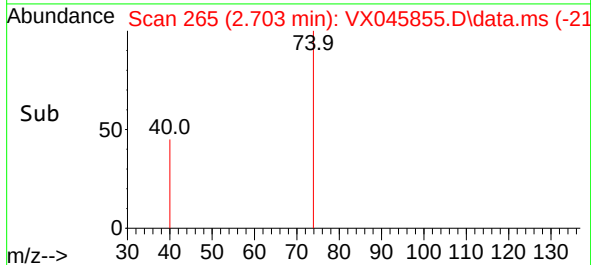
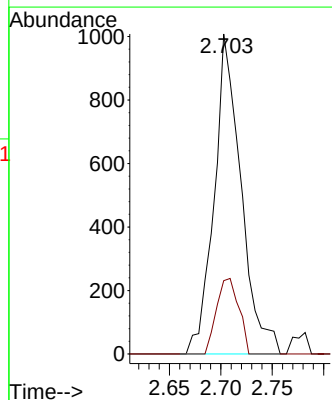
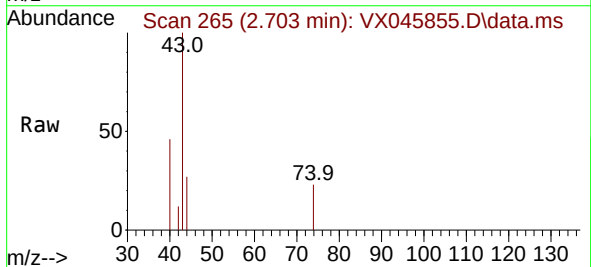
Instrument :
MSVOA_X
ClientSampleId :
RT5417

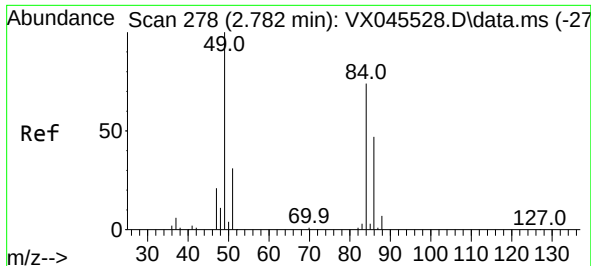
Tgt Ion: 43 Resp: 26786
Ion Ratio Lower Upper
43 100
58 28.5 22.3 33.5



#18
Methyl Acetate
Concen: 1.456 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
74 19.5 17.5 26.3

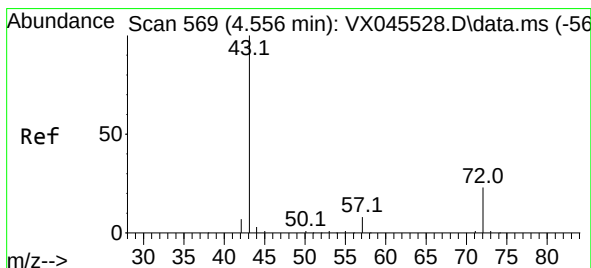
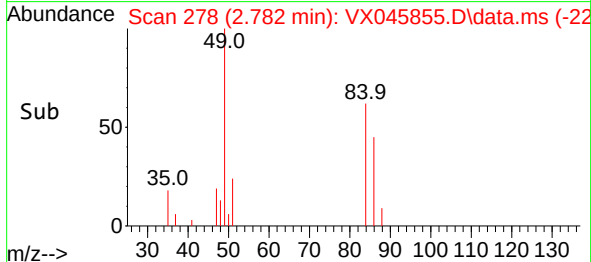
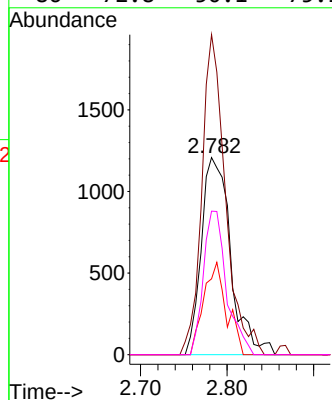
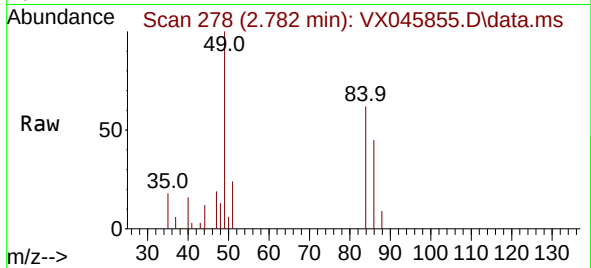




#20
Methylene Chloride
Concen: 2.790 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

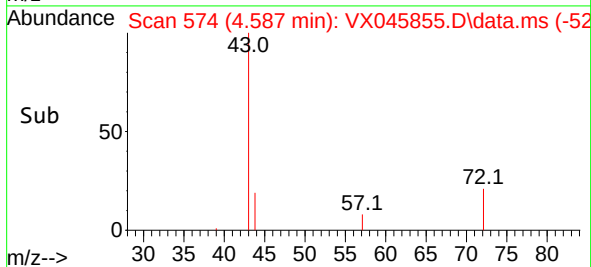
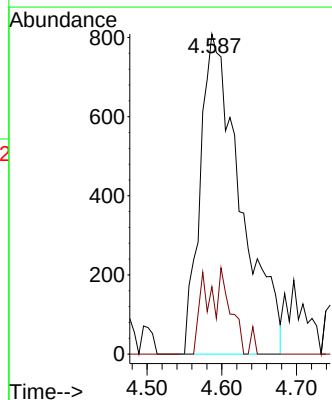
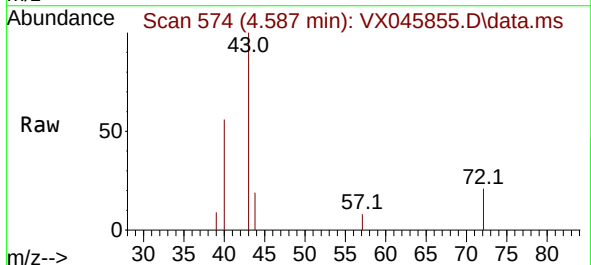
Instrument :
MSVOA_X
ClientSampleId :
RT5417

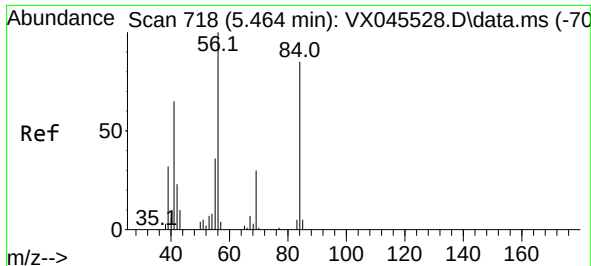
Tgt Ion:	84	Resp:	2852
Ion	Ratio	Lower	Upper
84	100		
49	162.3	107.5	161.3#
51	38.5	33.0	49.6
86	72.8	50.1	75.1



#25
2-Butanone
Concen: 3.796 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

Tgt Ion:	43	Resp:	3034
Ion	Ratio	Lower	Upper
43	100		
72	21.0	18.6	28.0

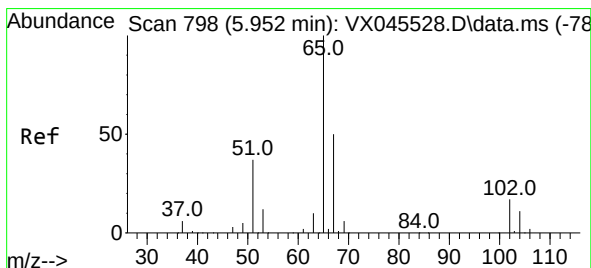
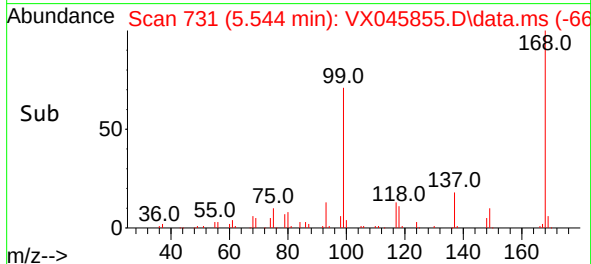
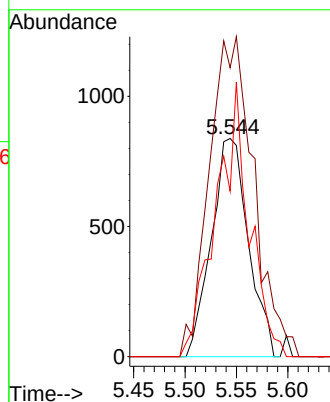
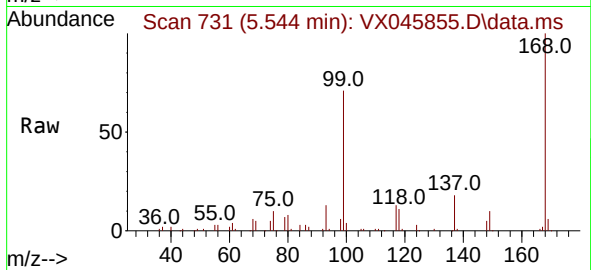




#31
Cyclohexane
Concen: 1.280 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

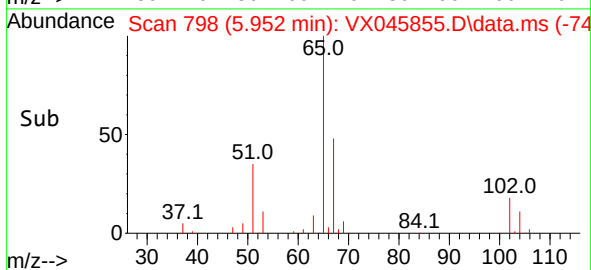
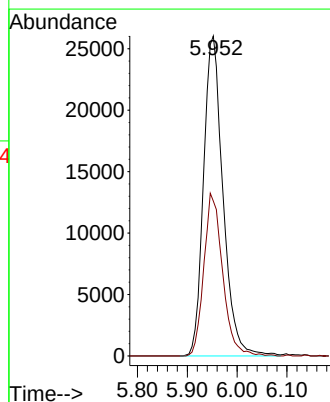
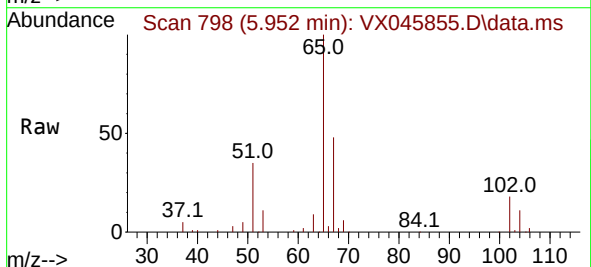
Instrument :
MSVOA_X
ClientSampleId :
RT5417

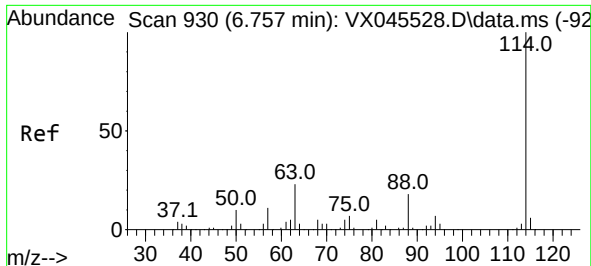
Tgt Ion: 56 Resp: 2088
Ion Ratio Lower Upper
56 100
69 132.5 23.6 35.4#
84 75.9 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 53.101 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 65 Resp: 70614
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

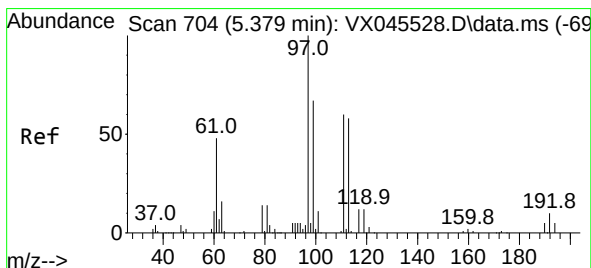
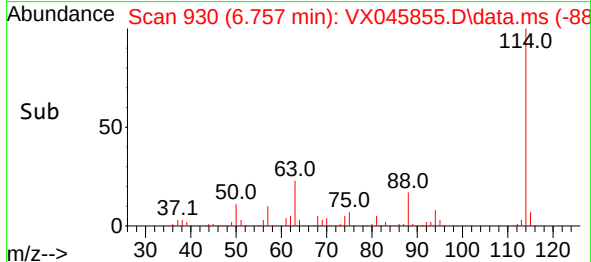
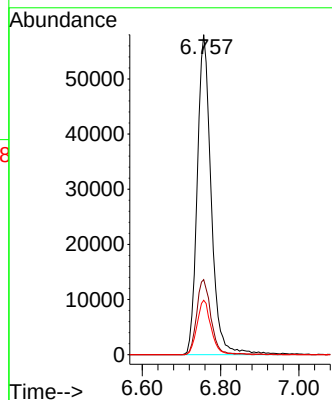
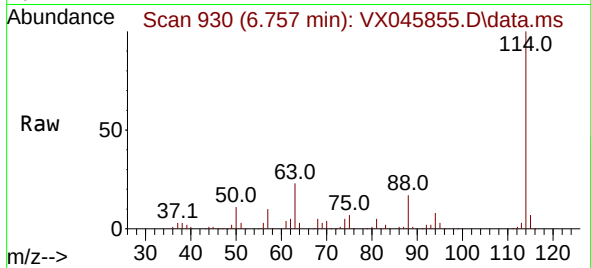




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045855.D
 Acq: 18 Apr 2025 14:10

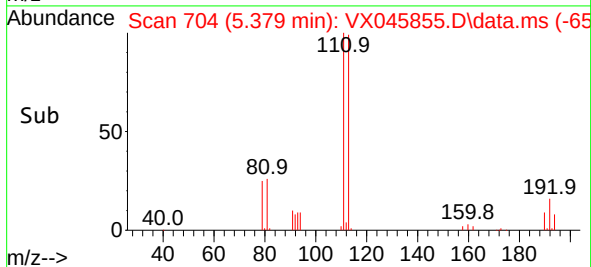
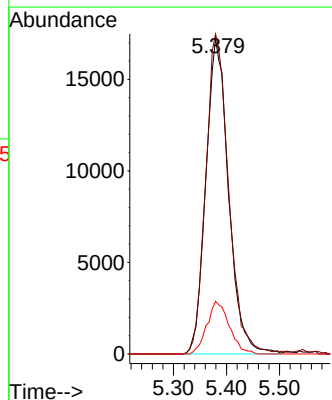
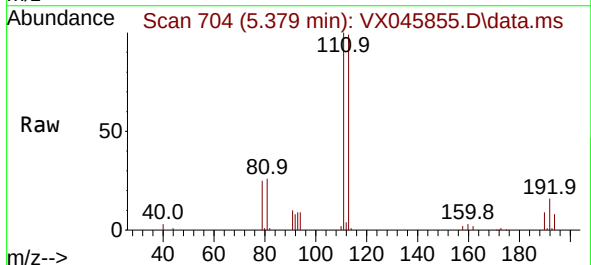
Instrument :
 MSVOA_X
 ClientSampleId :
 RT5417

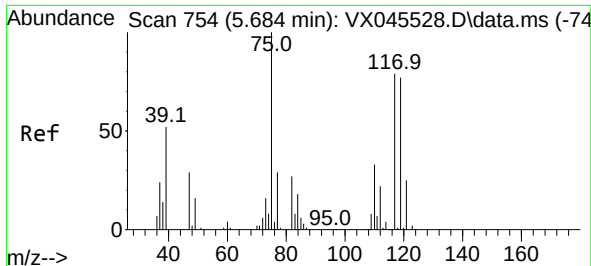
Tgt Ion:114 Resp: 143735
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.8
 88 17.0 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.201 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX045855.D
 Acq: 18 Apr 2025 14:10

Tgt Ion:113 Resp: 51195
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.8 122.6
 192 16.5 13.8 20.6

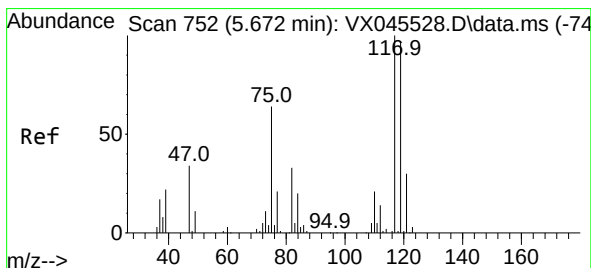
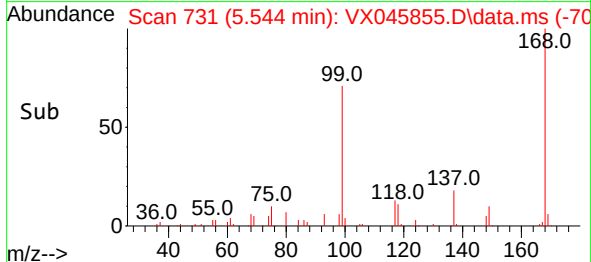
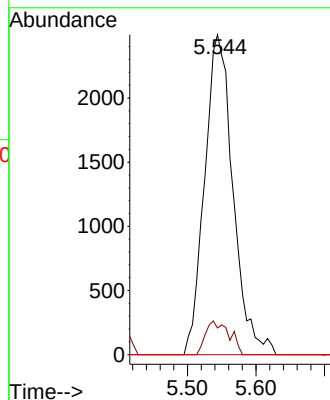
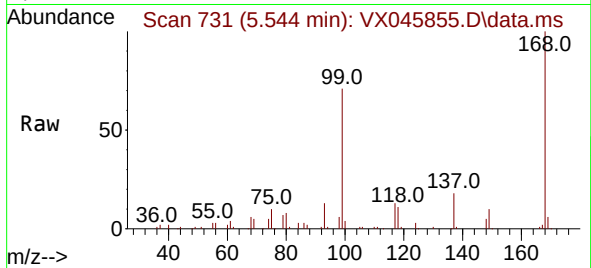




#36
1,1-Dichloropropene
Concen: 5.222 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

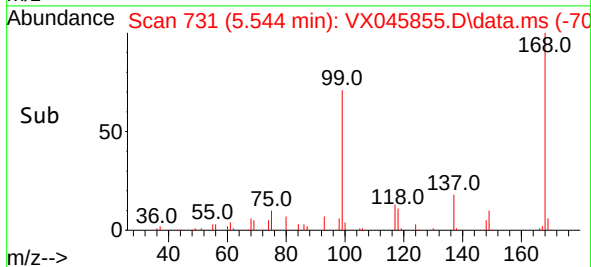
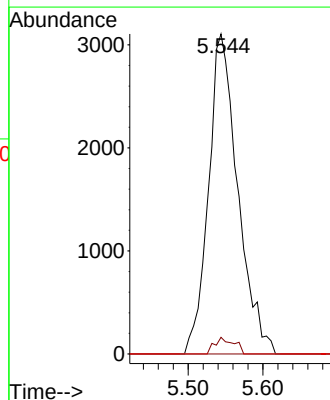
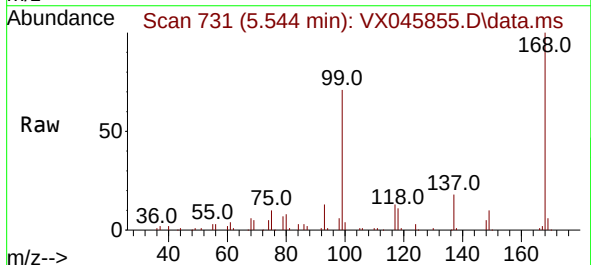
Instrument :
MSVOA_X
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RT5417

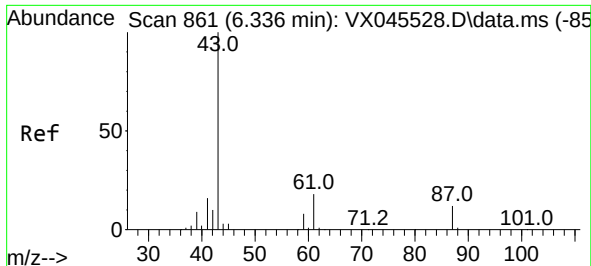
Tgt Ion: 75 Resp: 7190
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 117 Resp: 8458
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.2 36.2#

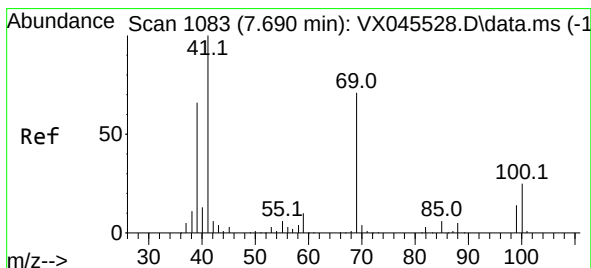
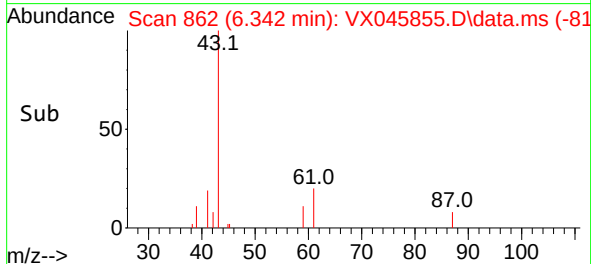
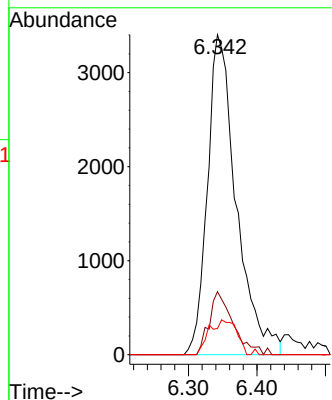
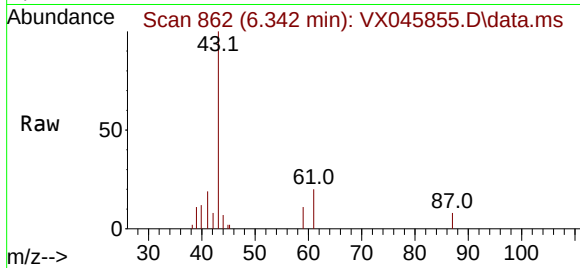




#43
Isopropyl Acetate
Concen: 3.784 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

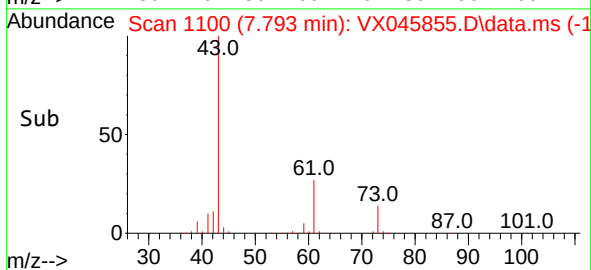
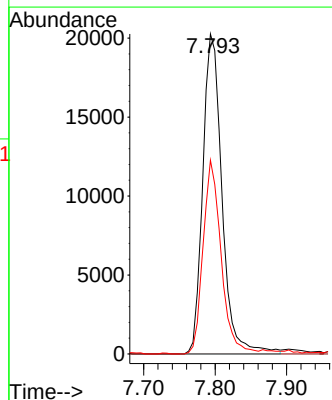
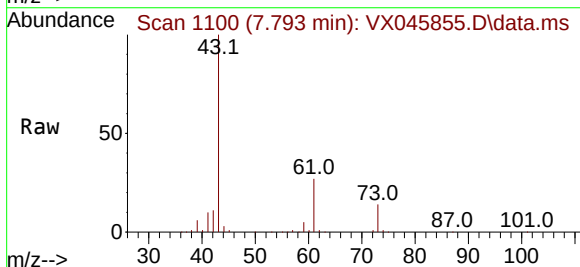
Instrument :
MSVOA_X
ClientSampleId :
RT5417

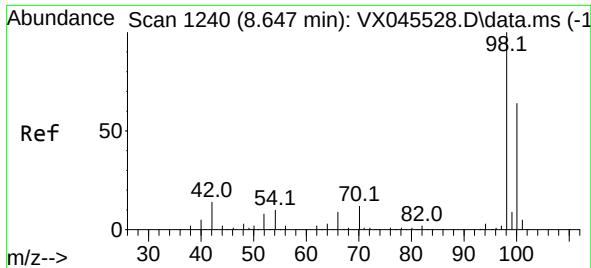
Tgt Ion: 43 Resp: 9952
Ion Ratio Lower Upper
43 100
61 16.5 14.1 21.1
87 10.3 9.2 13.8



#48
Methyl methacrylate
Concen: 27.910 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 41 Resp: 37899
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 56.8 53.6 80.4

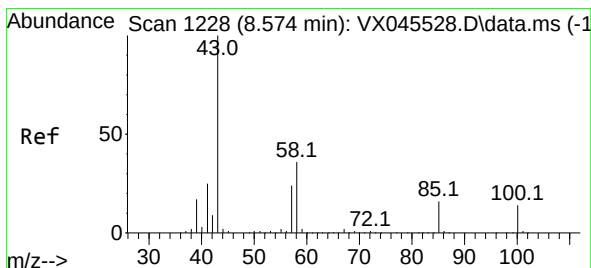
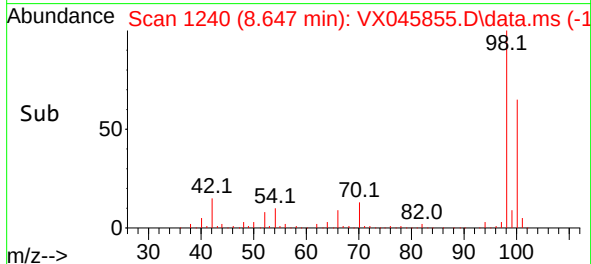
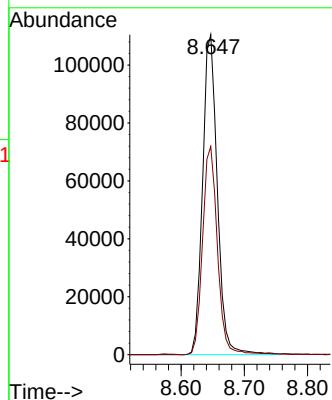
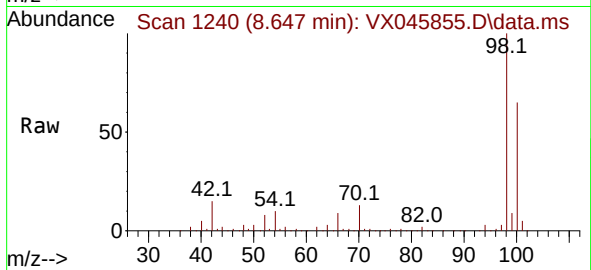




#50
Toluene-d8
Concen: 50.481 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

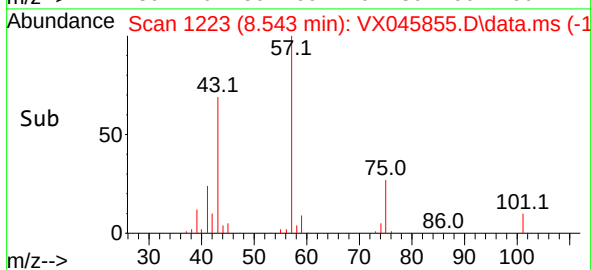
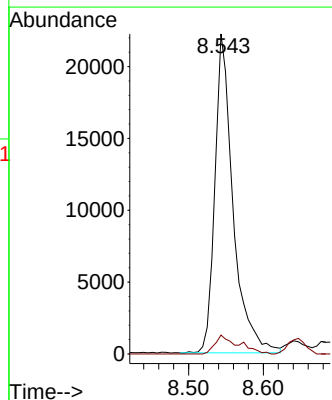
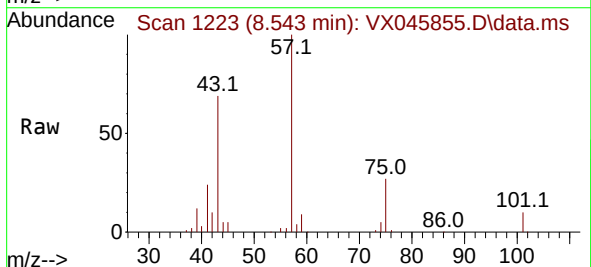
Instrument :
MSVOA_X
ClientSampleId :
RT5417

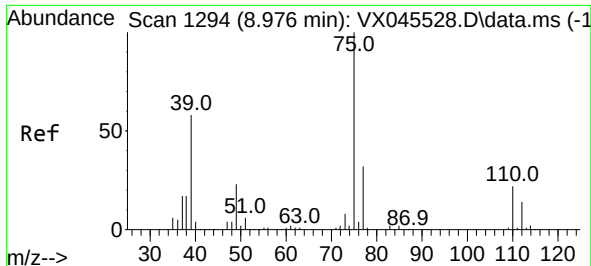
Tgt Ion: 98 Resp: 179686
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 21.595 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 43 Resp: 37650
Ion Ratio Lower Upper
43 100
58 7.7 28.5 42.7#

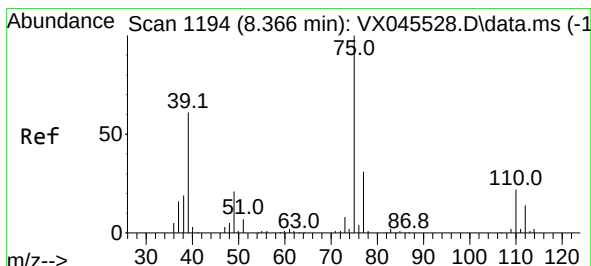
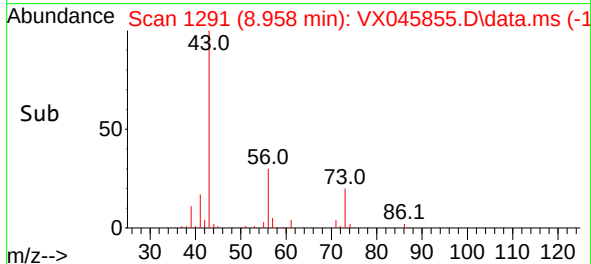
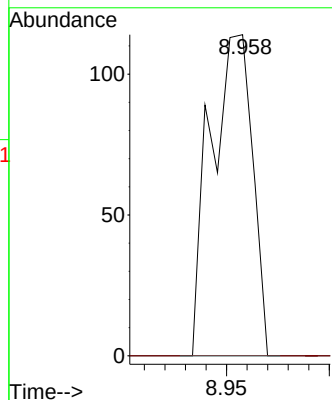
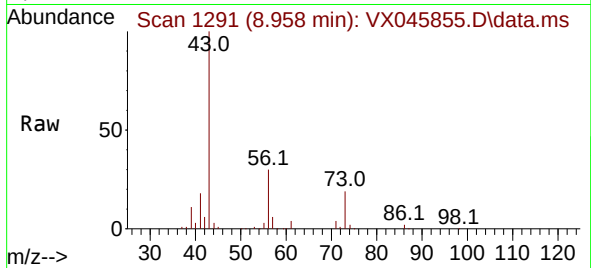




#53
 t-1,3-Dichloropropene
 Concen: 2.389 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX045855.D
 Acq: 18 Apr 2025 14:10

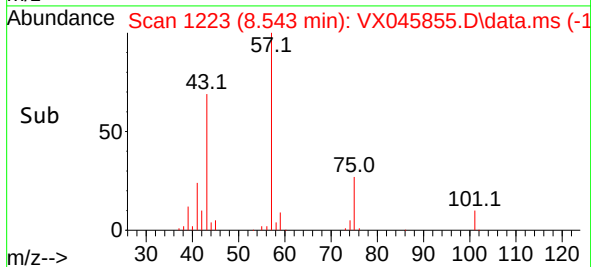
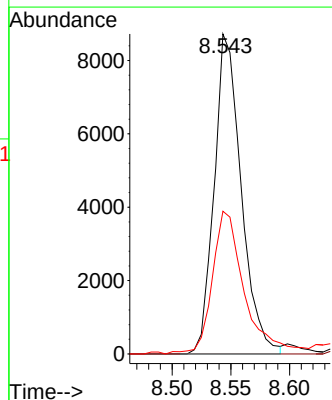
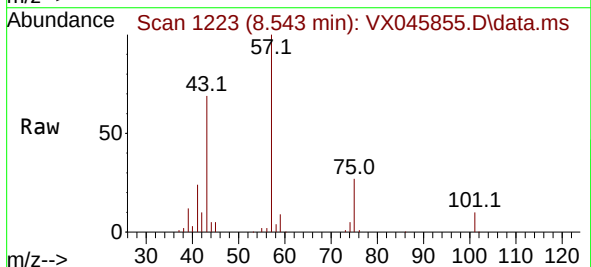
Instrument :
 MSVOA_X
 ClientSampleId :
 RT5417

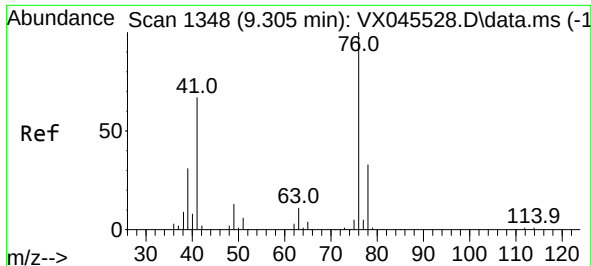
Tgt Ion: 75 Resp: 162
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.227 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX045855.D
 Acq: 18 Apr 2025 14:10

Tgt Ion: 75 Resp: 13948
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 43.9 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.748 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX045855.D

Acq: 18 Apr 2025 14:10

Instrument :

MSVOA_X

ClientSampleId :

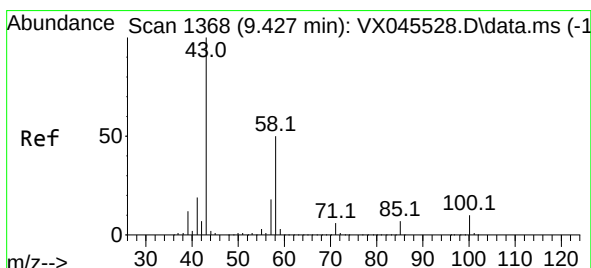
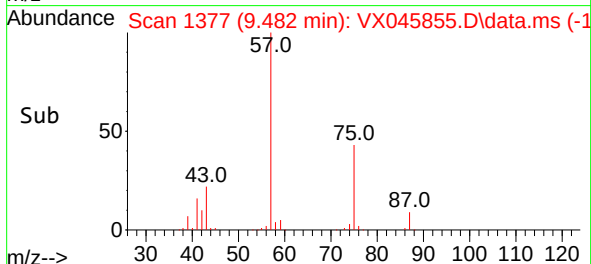
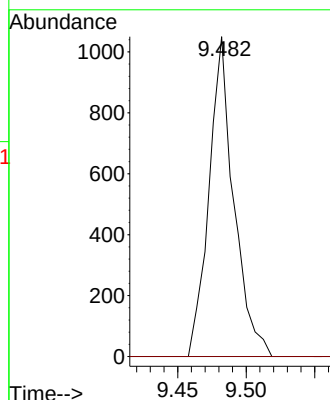
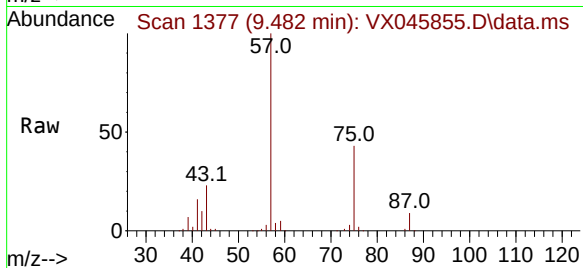
RT5417

Tgt Ion: 76 Resp: 1321

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 11.010 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045855.D

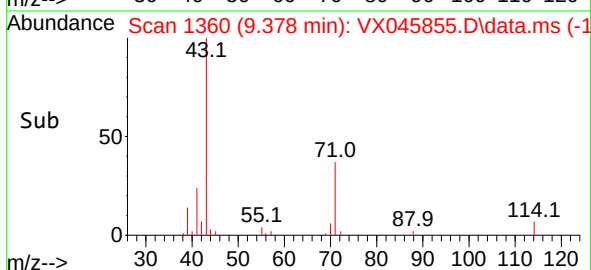
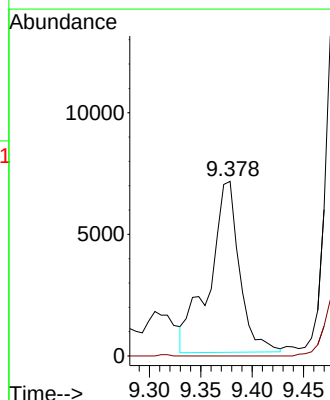
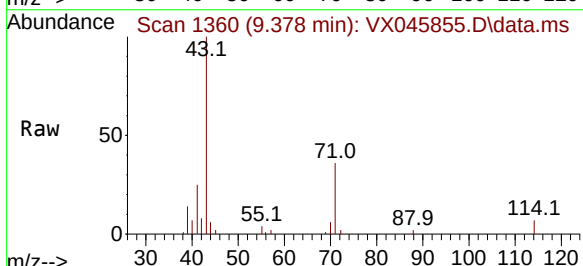
Acq: 18 Apr 2025 14:10

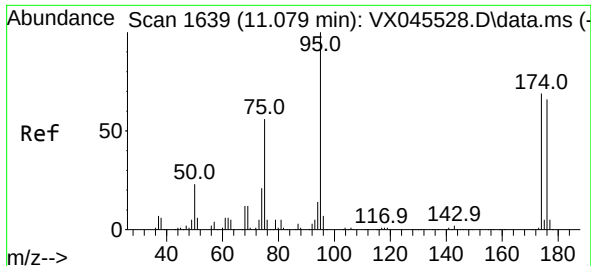
Tgt Ion: 43 Resp: 14215

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

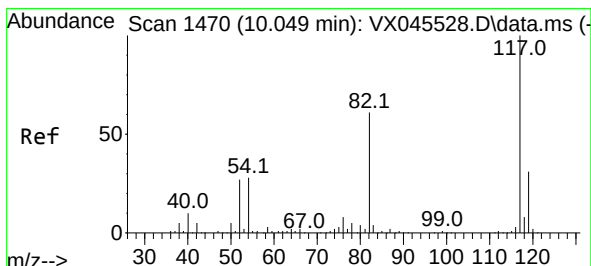
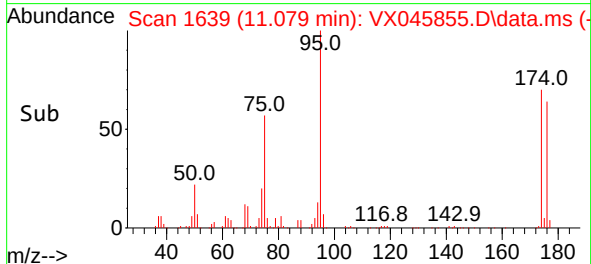
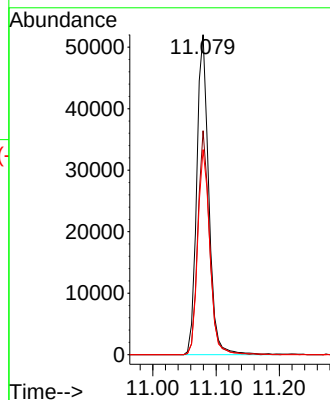
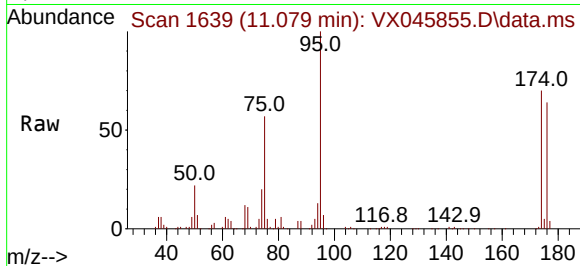




#62
4-Bromofluorobenzene
Concen: 53.147 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

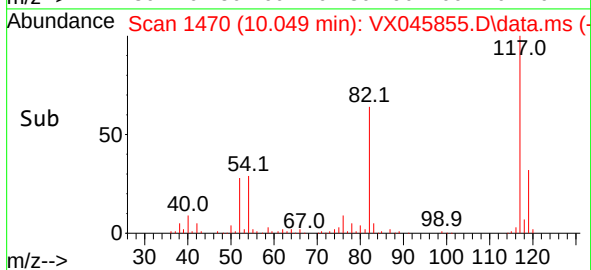
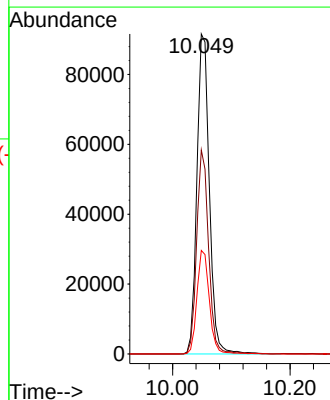
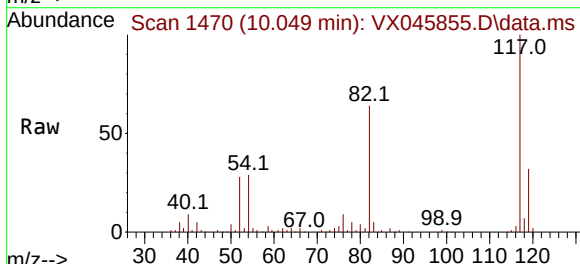
Instrument :
MSVOA_X
ClientSampleId :
RT5417

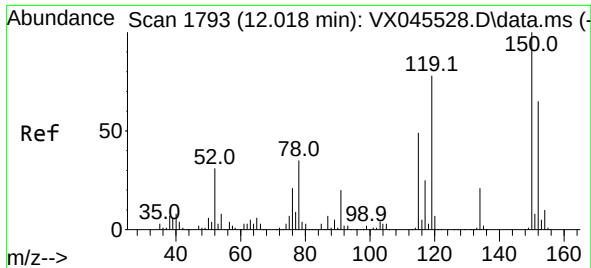
Tgt Ion: 95 Resp: 68908
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 65.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 117 Resp: 134250
Ion Ratio Lower Upper
117 100
82 63.8 49.2 73.8
119 32.4 25.1 37.7

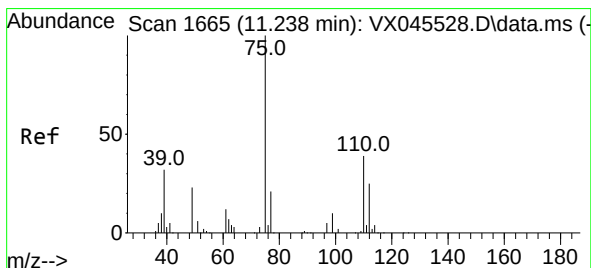
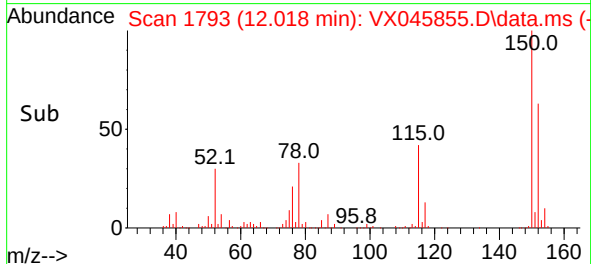
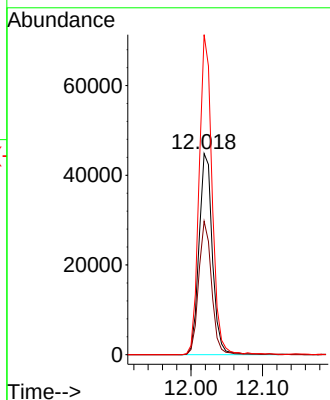
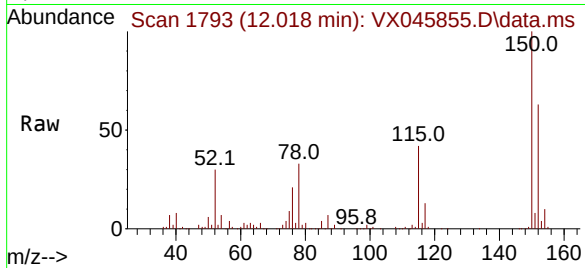




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX045855.D
 Acq: 18 Apr 2025 14:10

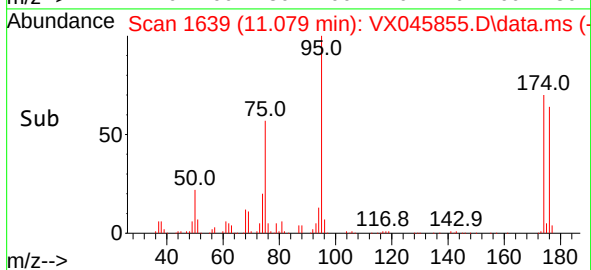
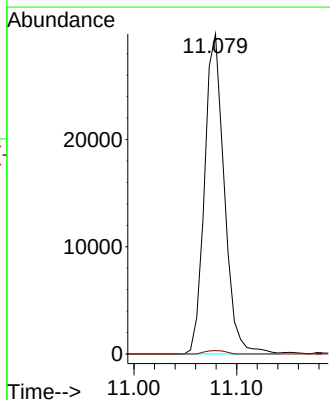
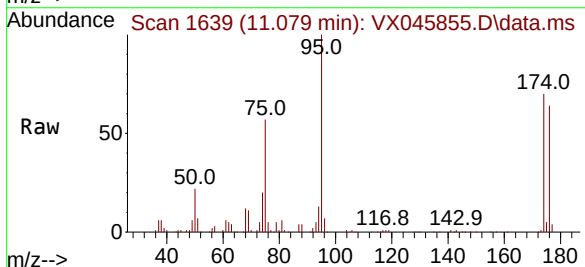
Instrument :
 MSVOA_X
 ClientSampleId :
 RT5417

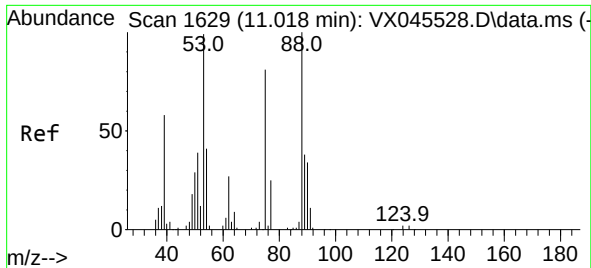
Tgt Ion:152 Resp: 58163
 Ion Ratio Lower Upper
 152 100
 115 64.1 46.9 140.7
 150 153.6 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.062 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX045855.D
 Acq: 18 Apr 2025 14:10

Tgt Ion: 75 Resp: 39812
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 95.238 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045855.D
Acq: 18 Apr 2025 14:10

Instrument :
MSVOA_X
ClientSampleId :
RT5417

Tgt Ion: 75 Resp: 39812
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

