

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044727.D
 Acq On : 27 Jan 2025 16:28
 Operator : JC/MD
 Sample : Q1169-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 04:15:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

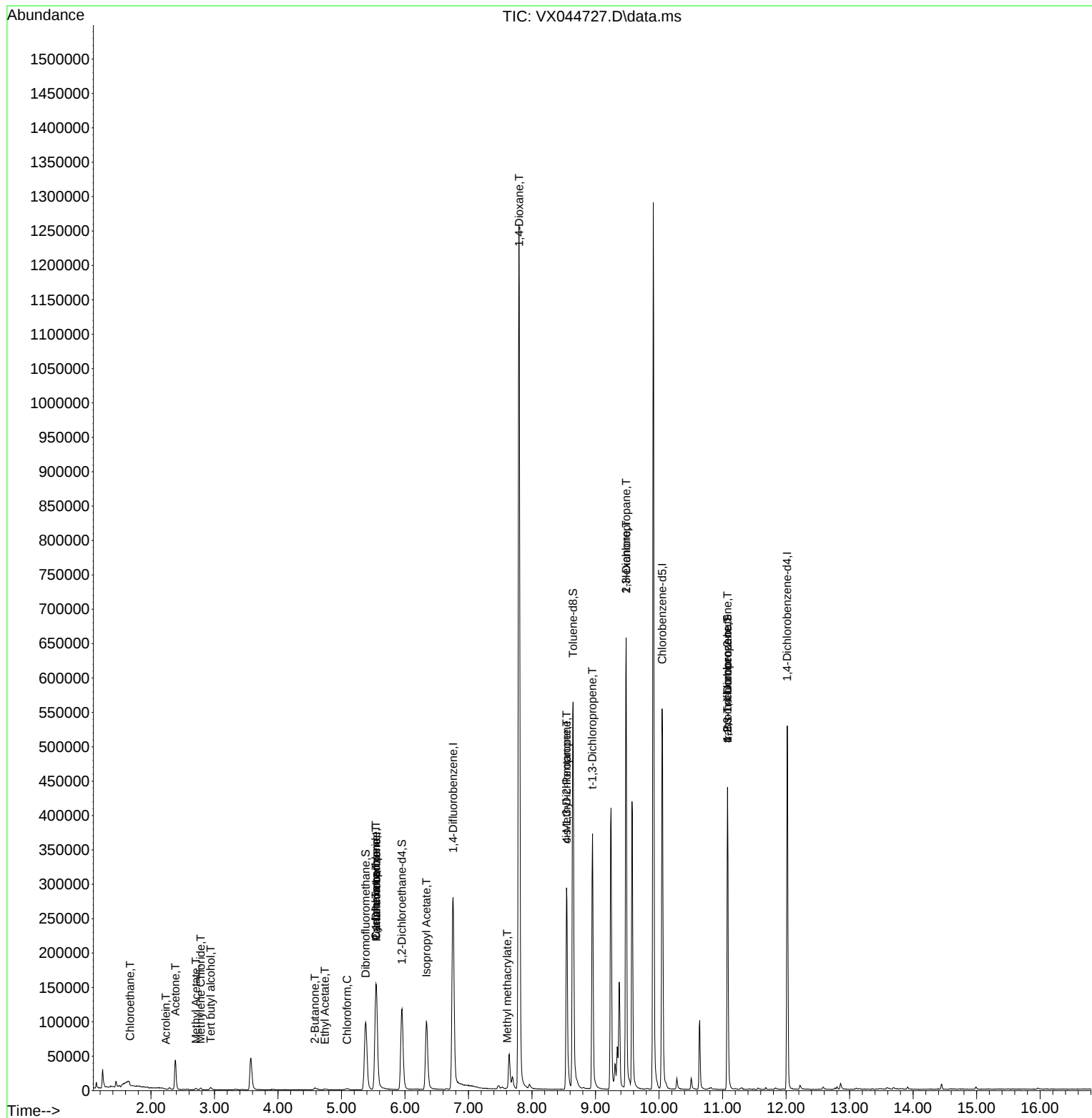
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	148587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	298945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	254468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	109772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	111164	49.565	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.120%
35) Dibromofluoromethane	5.379	113	87866	46.266	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.540%
50) Toluene-d8	8.647	98	360726	54.474	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.940%
62) 4-Bromofluorobenzene	11.079	95	124947	50.615	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.220%
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	275	0.702	ug/l #	41
11) Tert butyl alcohol	2.940	59	2026	4.052	ug/l #	85
13) Acrolein	2.233	56	287	1.220	ug/l #	80
16) Acetone	2.385	43	48841	55.042	ug/l	93
18) Methyl Acetate	2.709	43	2803	1.024	ug/l	95
20) Methylene Chloride	2.782	84	1295	0.627	ug/l	89
25) 2-Butanone	4.580	43	4918	3.728	ug/l #	84
30) Chloroform	5.086	83	2627	0.745	ug/l	97
31) Cyclohexane	5.543	56	3446	1.220	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	12667	4.791	ug/l #	49
37) Ethyl Acetate	4.739	43	2198	0.781	ug/l #	86
38) Carbon Tetrachloride	5.543	117	15127	5.087	ug/l #	17
43) Isopropyl Acetate	6.336	43	143791	27.764	ug/l	99
48) Methyl methacrylate	7.610	41	3465	1.441	ug/l #	13
49) 1,4-Dioxane	7.799	88	221	4.406	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	109044	38.099	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	900	0.271	ug/l #	44
54) cis-1,3-Dichloropropene	8.543	75	52756	14.628	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	5917	1.713	ug/l #	42
59) 2-Hexanone	9.482	43	80799	38.372	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	61453	23.068	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	61453	52.753	ug/l #	12

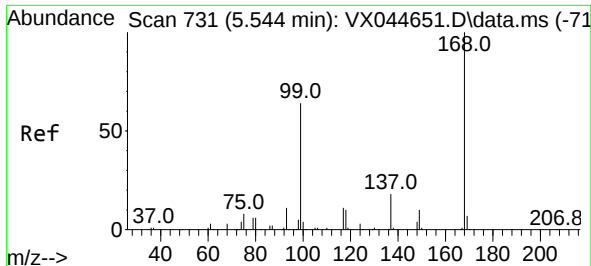
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 16 01:16:09 2025
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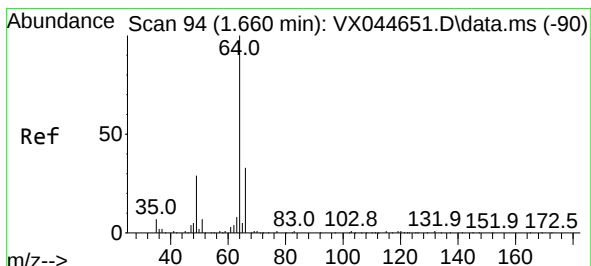
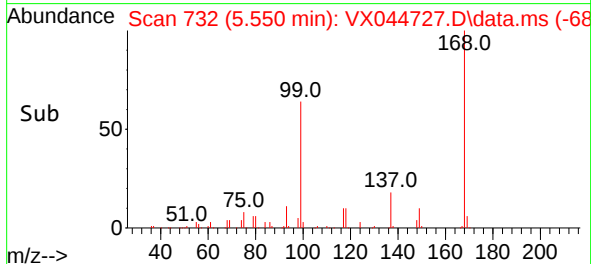
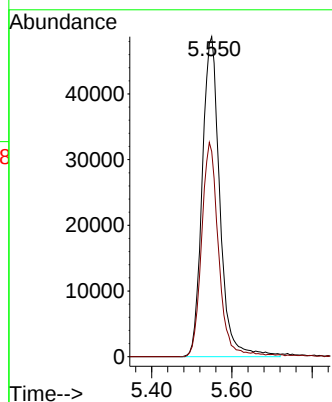
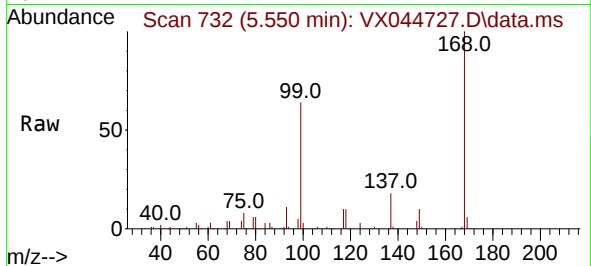




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

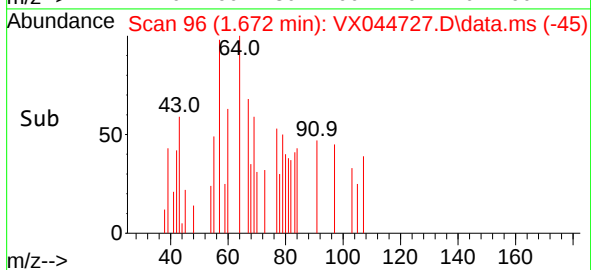
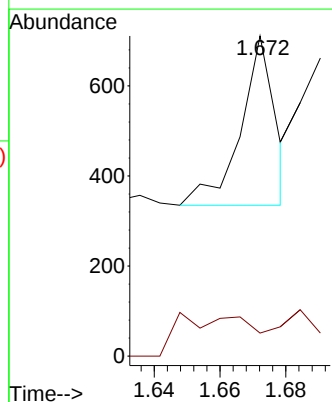
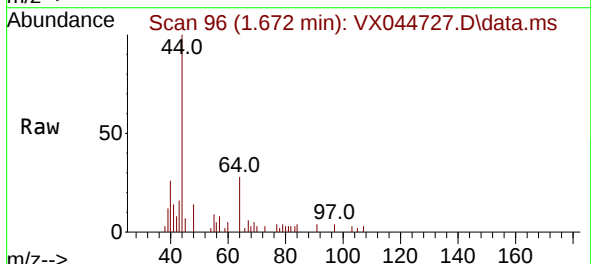
Instrument :
MSVOA_X
ClientSampleId :

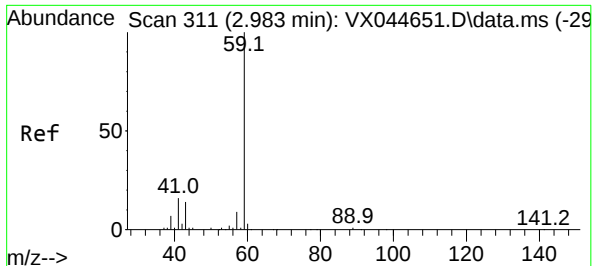
Tgt Ion:168 Resp: 148587
Ion Ratio Lower Upper
168 100
99 64.1 51.1 76.7



#6
Chloroethane
Concen: 0.702 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

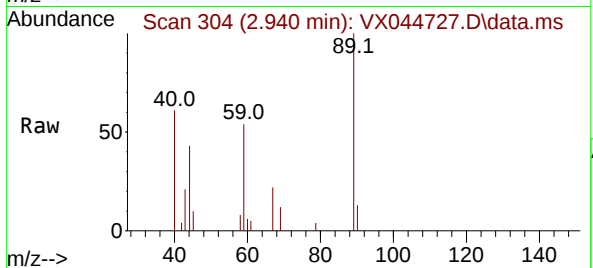
Tgt Ion: 64 Resp: 275
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



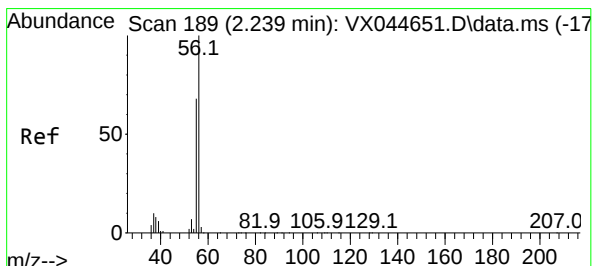
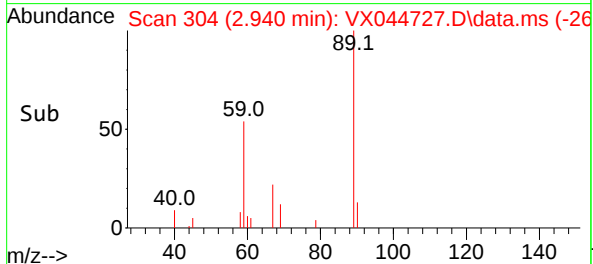
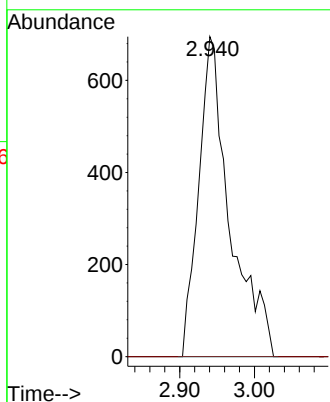


#11
Tert butyl alcohol
Concen: 4.052 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :

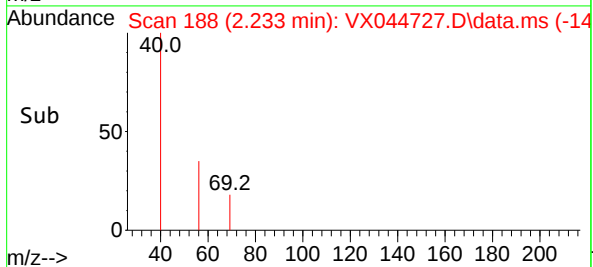
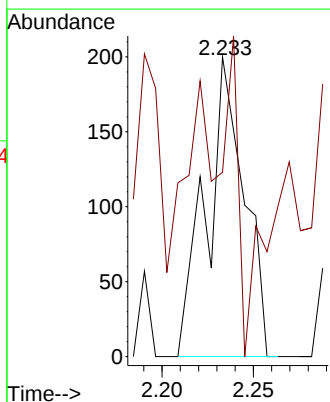
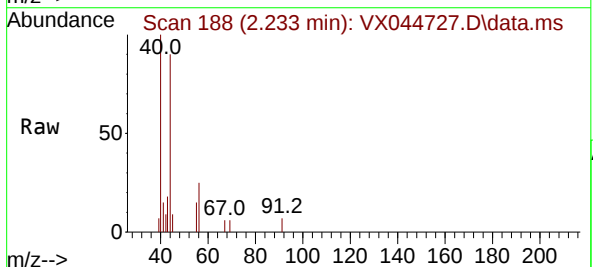


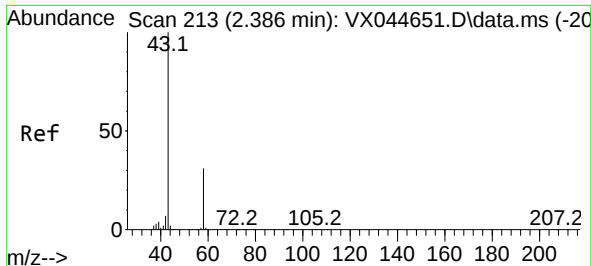
Tgt Ion: 59 Resp: 2026
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#



#13
Acrolein
Concen: 1.220 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

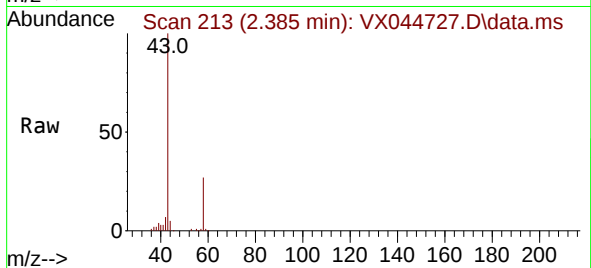
Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 85.0 55.1 82.7#



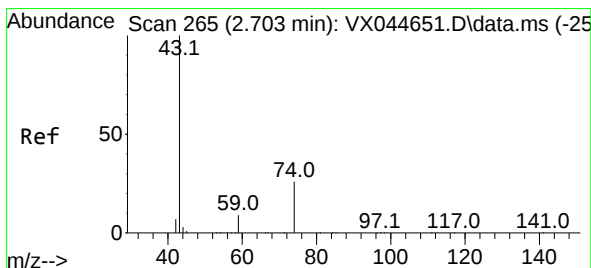
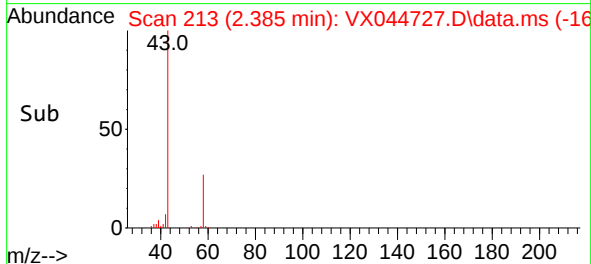
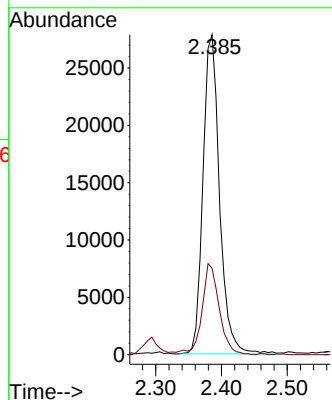


#16
Acetone
Concen: 55.042 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :

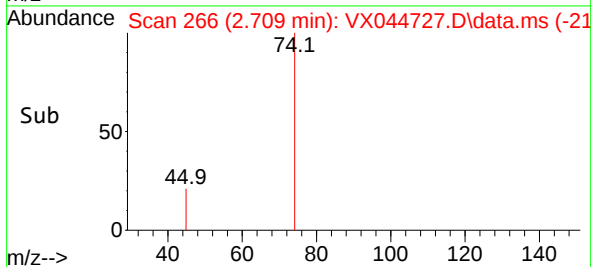
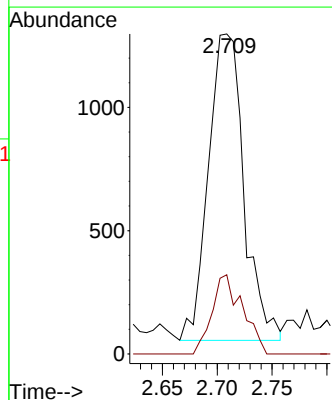
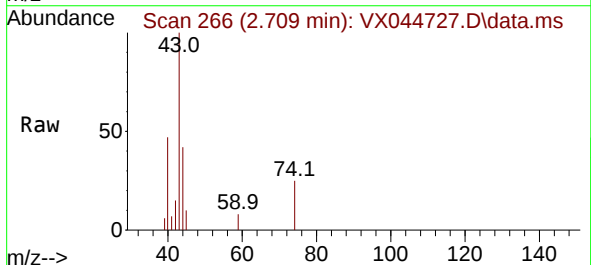


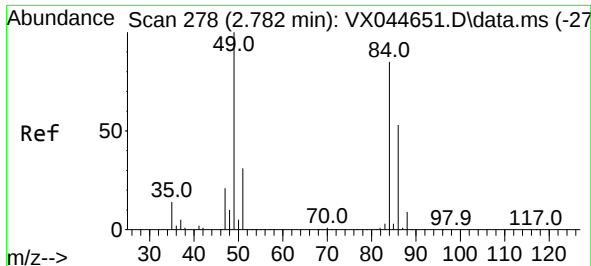
Tgt Ion: 43 Resp: 48841
Ion Ratio Lower Upper
43 100
58 26.8 24.6 37.0



#18
Methyl Acetate
Concen: 1.024 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

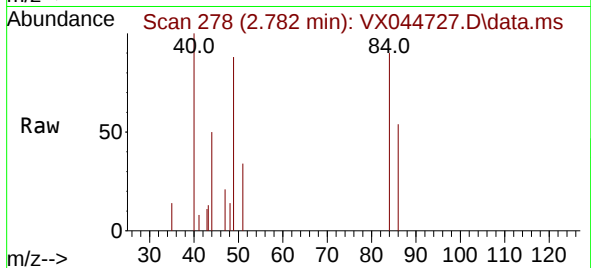
Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
74 22.3 19.8 29.8



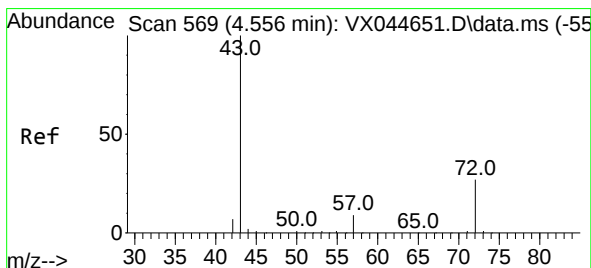
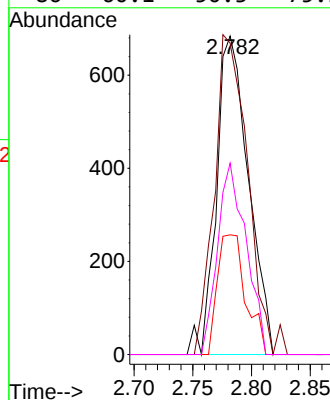
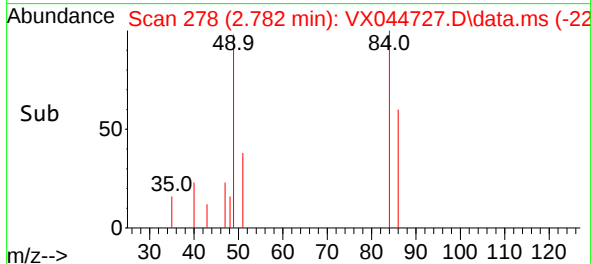


#20
Methylene Chloride
Concen: 0.627 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :

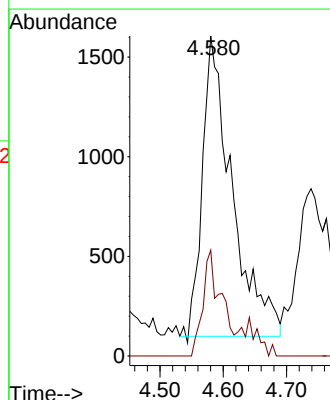
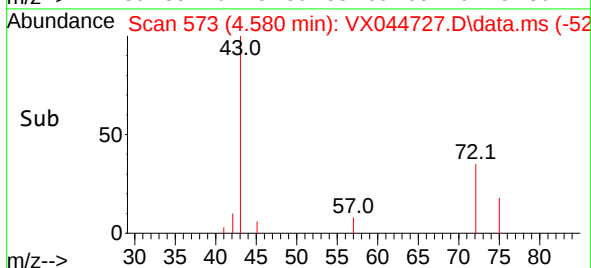
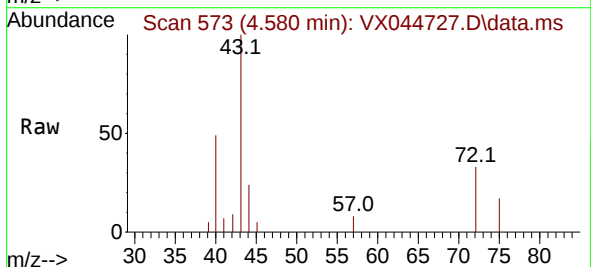


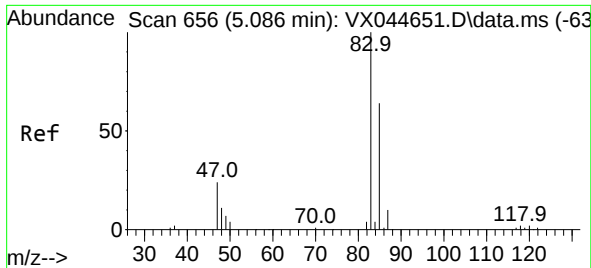
Tgt Ion:	84	Resp:	1295
Ion	Ratio	Lower	Upper
84	100		
49	97.8	94.2	141.4
51	37.6	28.8	43.2
86	60.1	50.3	75.5



#25
2-Butanone
Concen: 3.728 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Tgt Ion:	43	Resp:	4918
Ion	Ratio	Lower	Upper
43	100		
72	35.2	21.7	32.5#

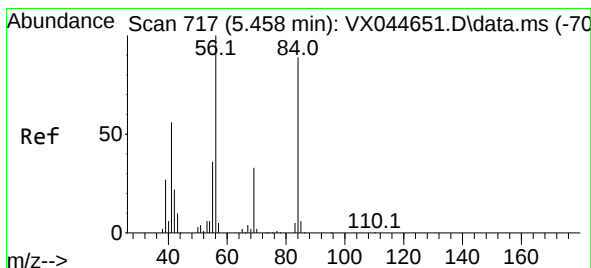
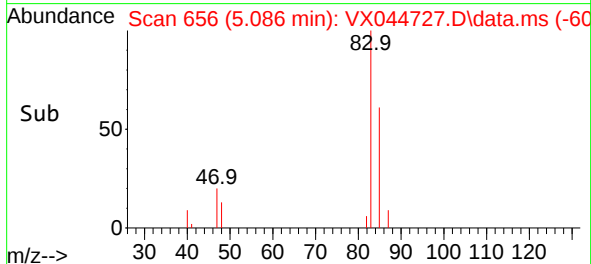
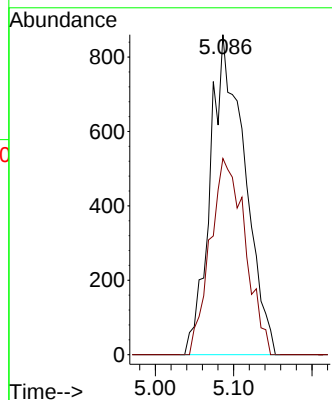
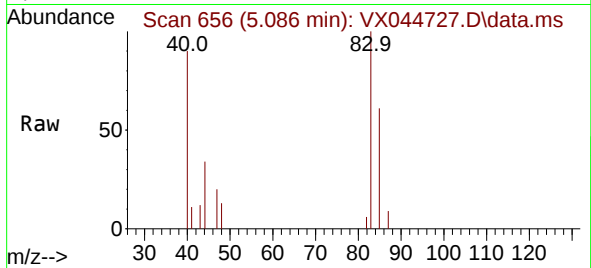




#30
Chloroform
Concen: 0.745 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

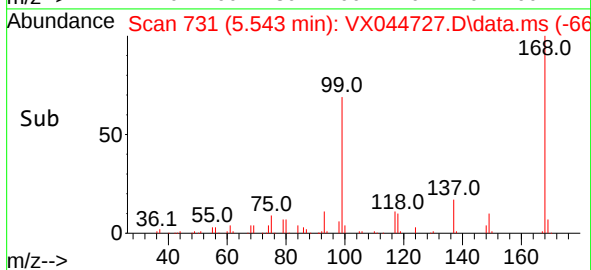
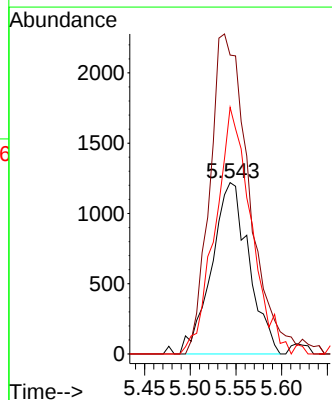
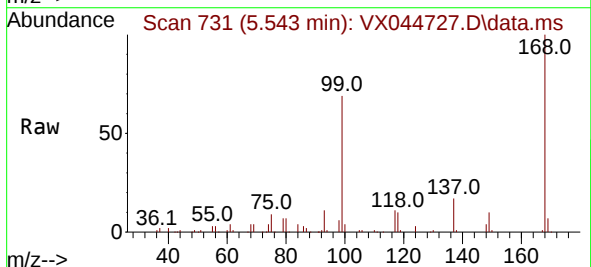
Instrument :
MSVOA_X
ClientSampleId :

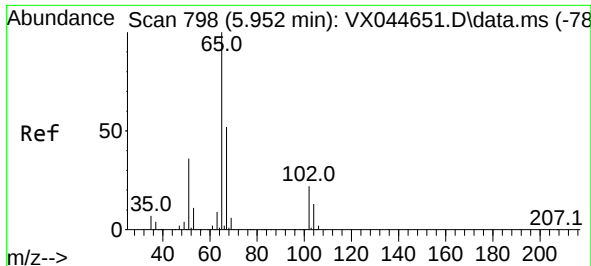
Tgt Ion: 83 Resp: 2627
Ion Ratio Lower Upper
83 100
85 61.3 51.2 76.8



#31
Cyclohexane
Concen: 1.220 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Tgt Ion: 56 Resp: 3446
Ion Ratio Lower Upper
56 100
69 174.5 26.8 40.2#
84 143.9 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 49.565 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

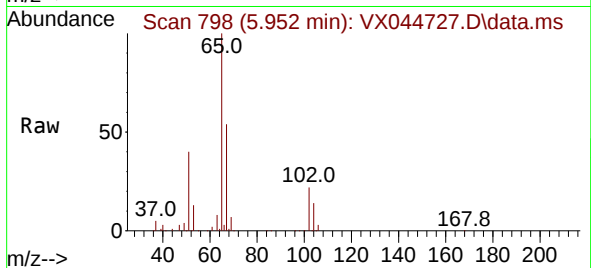
Lab File: VX044727.D

Acq: 27 Jan 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

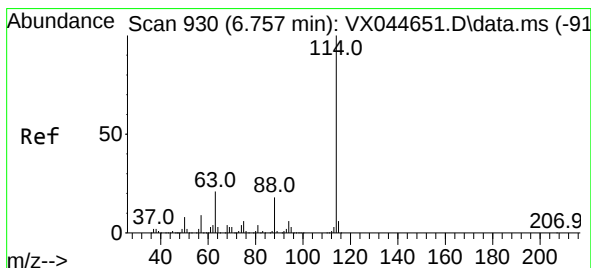
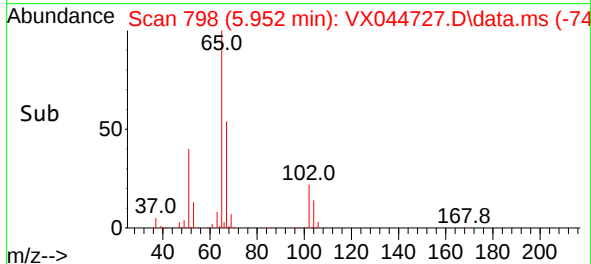
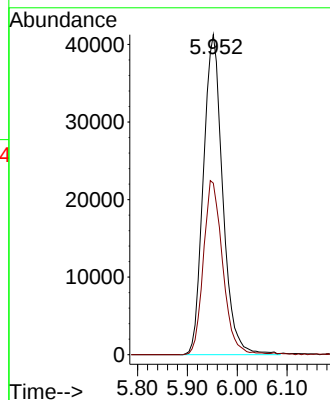


Tgt Ion: 65 Resp: 111164

Ion Ratio Lower Upper

65 100

67 54.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044727.D

Acq: 27 Jan 2025 16:28

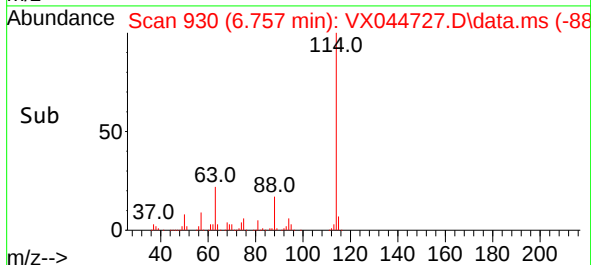
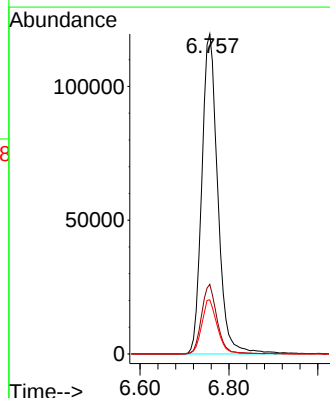
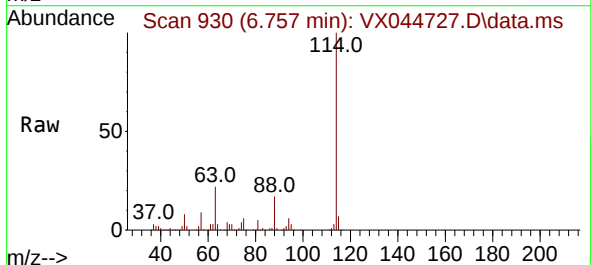
Tgt Ion: 114 Resp: 298945

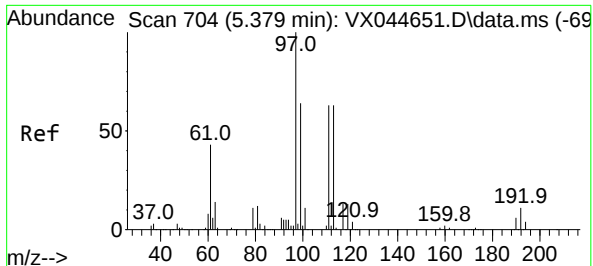
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.0

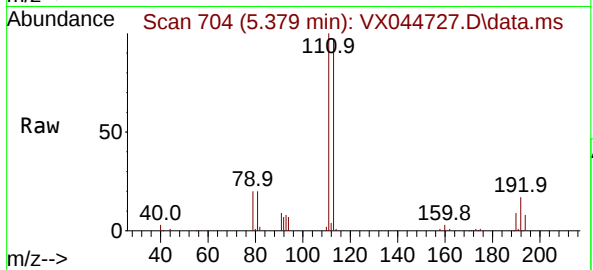
88 16.9 0.0 35.4



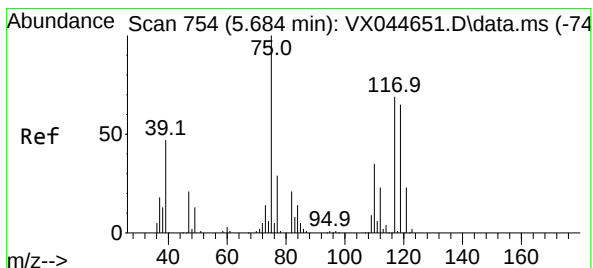
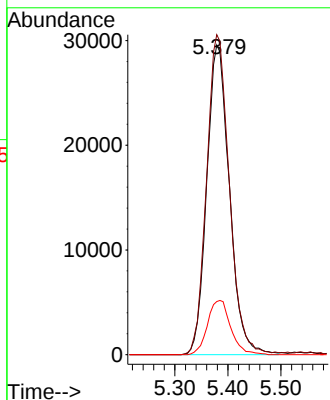
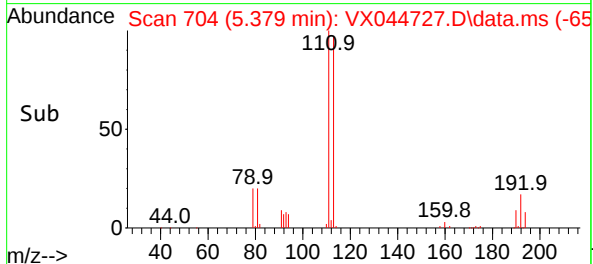


#35
Dibromofluoromethane
Concen: 46.266 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :

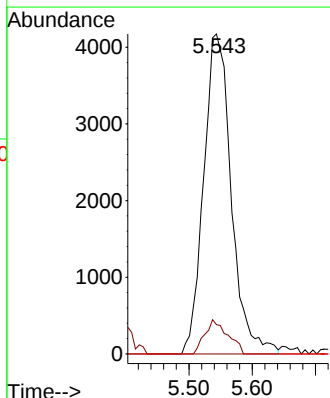
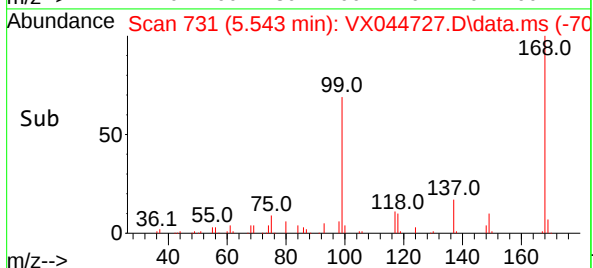
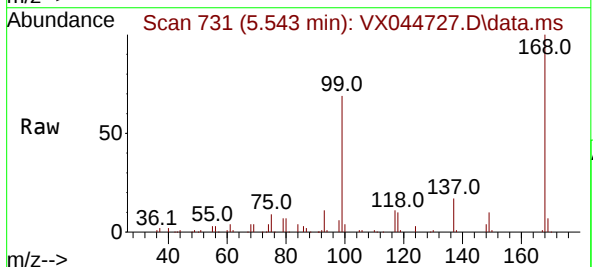


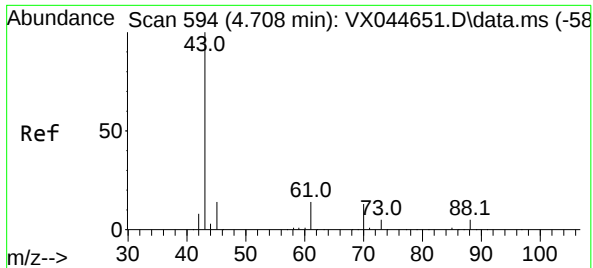
Tgt Ion:113 Resp: 87866
Ion Ratio Lower Upper
113 100
111 103.6 81.6 122.4
192 17.9 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Tgt Ion: 75 Resp: 12667
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.8#
77 0.0 24.5 36.7#

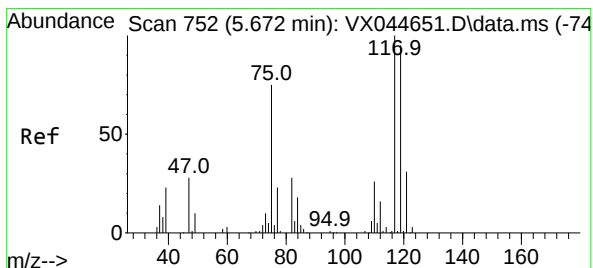
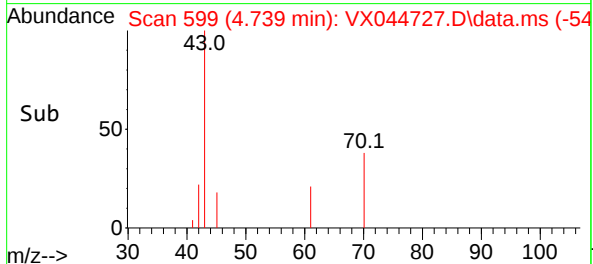
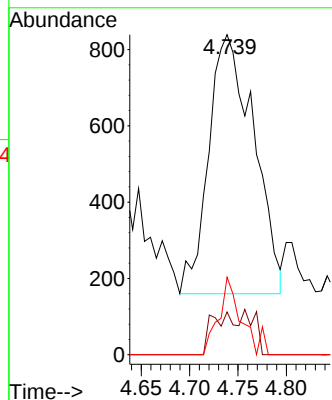
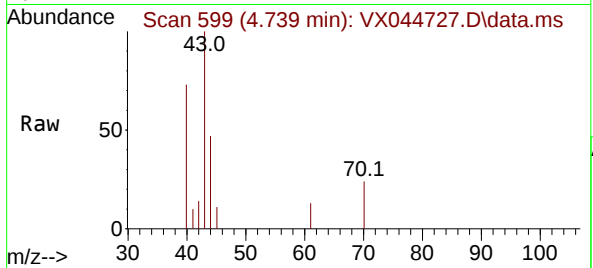




#37
Ethyl Acetate
Concen: 0.781 ug/l
RT: 4.739 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

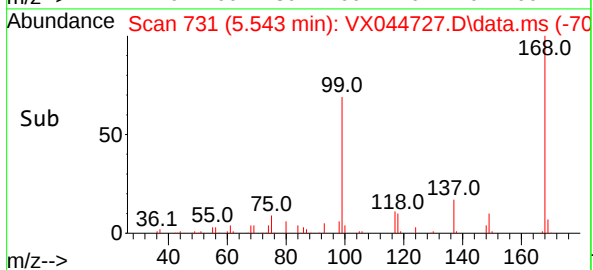
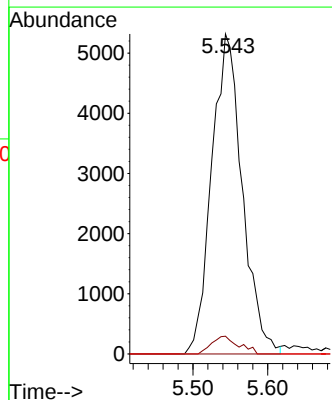
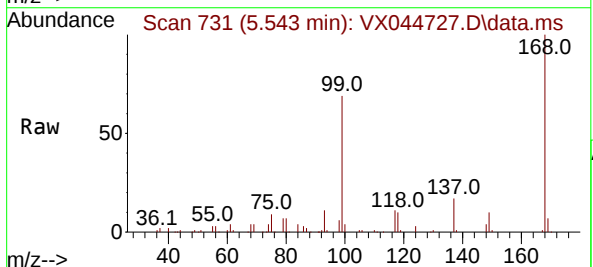
Instrument :
MSVOA_X
ClientSampleId :

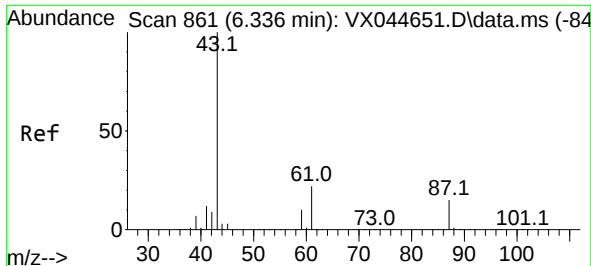
Tgt Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
61 5.1 10.9 16.3#
70 15.2 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 5.087 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

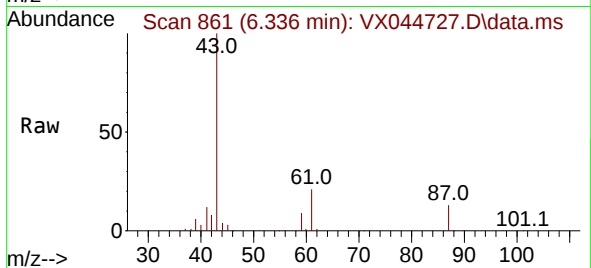
Tgt Ion: 117 Resp: 15127
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.6 36.8#



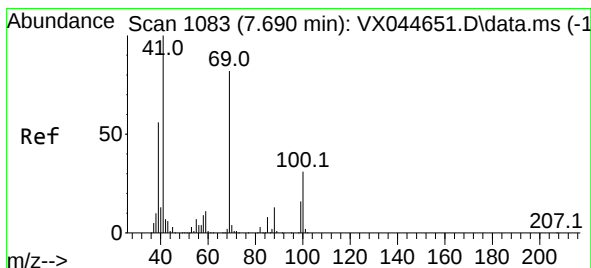
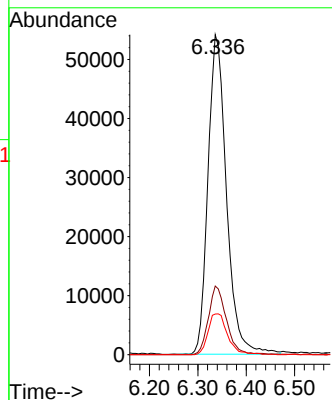
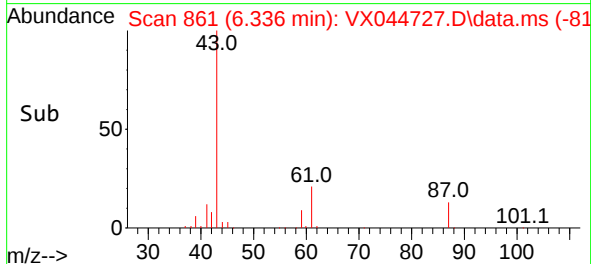


#43
Isopropyl Acetate
Concen: 27.764 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

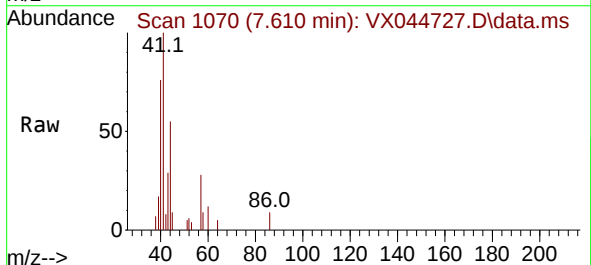
Instrument :
MSVOA_X
ClientSampleId :



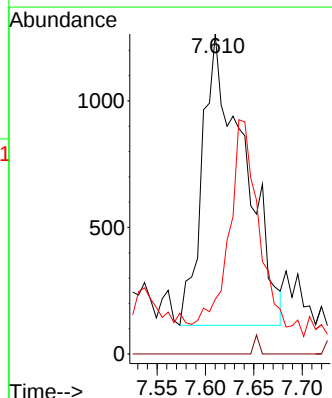
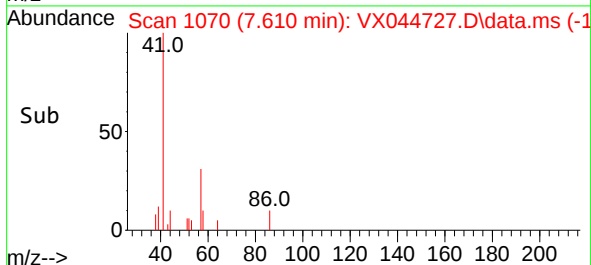
Tgt Ion: 43 Resp: 143791
Ion Ratio Lower Upper
43 100
61 21.1 16.6 24.8
87 13.5 11.0 16.6

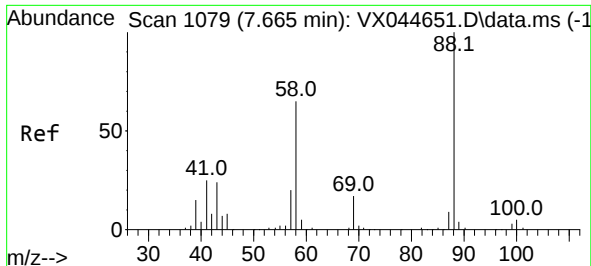


#48
Methyl methacrylate
Concen: 1.441 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.079 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28



Tgt Ion: 41 Resp: 3465
Ion Ratio Lower Upper
41 100
69 0.0 66.8 100.2#
39 0.0 47.4 71.0#

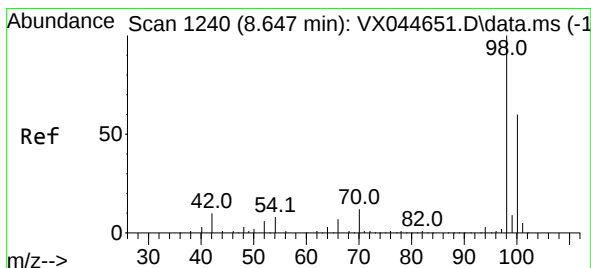
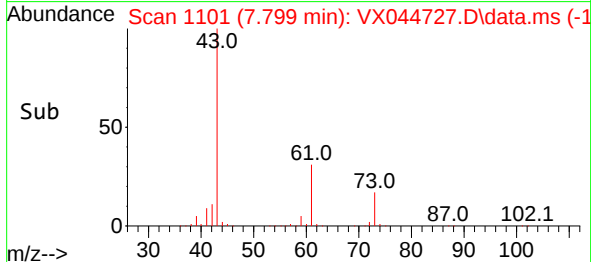
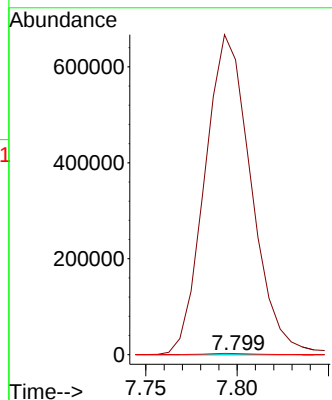
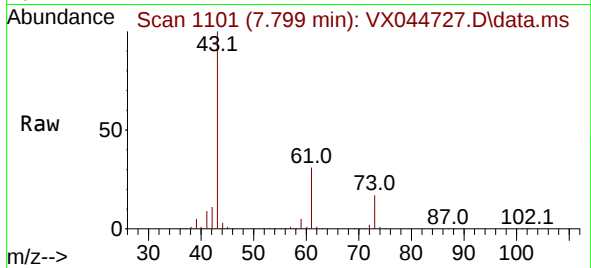




#49
1,4-Dioxane
Concen: 4.406 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

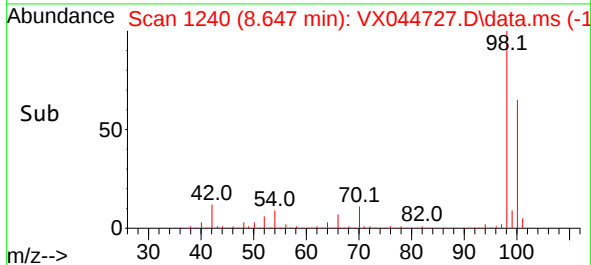
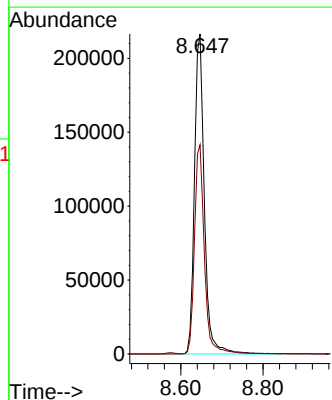
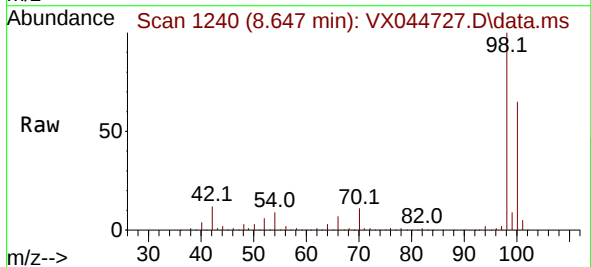
Instrument :
MSVOA_X
ClientSampleId :

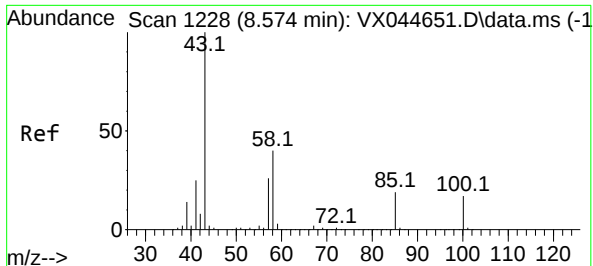
Tgt Ion: 88 Resp: 221
Ion Ratio Lower Upper
88 100
43 540171.0 27.0 40.4#
58 2127.6 55.8 83.8#



#50
Toluene-d8
Concen: 54.474 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Tgt Ion: 98 Resp: 360726
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 38.099 ug/l

RT: 8.543 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX044727.D

Acq: 27 Jan 2025 16:28

Instrument :

MSVOA_X

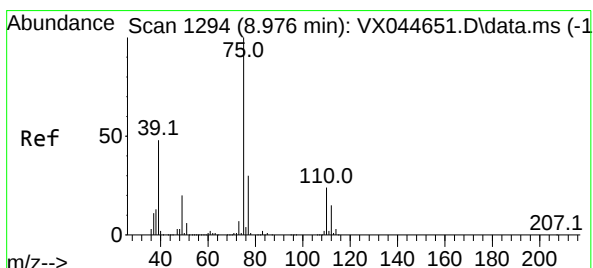
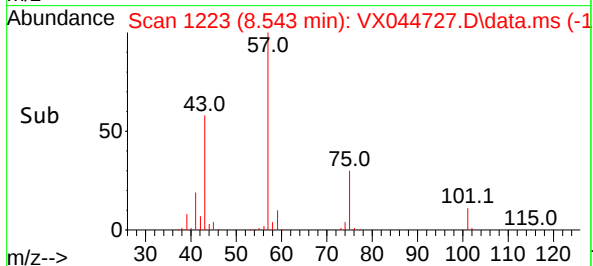
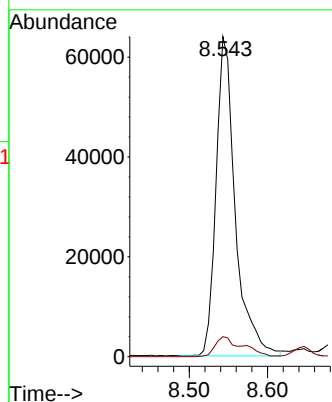
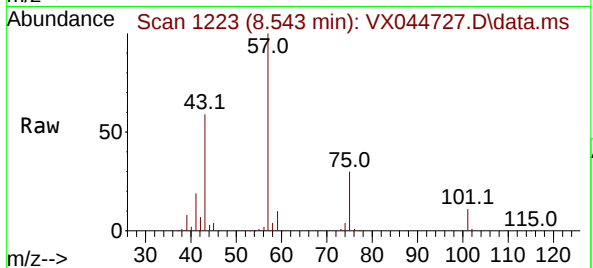
ClientSampleId :

Tgt Ion: 43 Resp: 109044

Ion Ratio Lower Upper

43 100

58 9.0 31.9 47.9#



#53

t-1,3-Dichloropropene

Concen: 0.271 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX044727.D

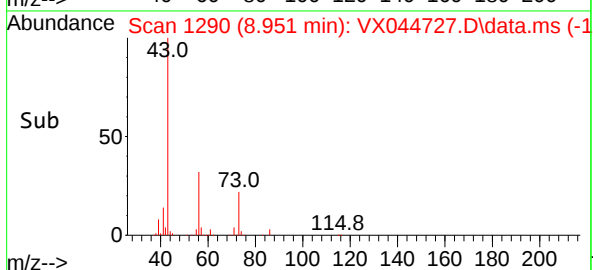
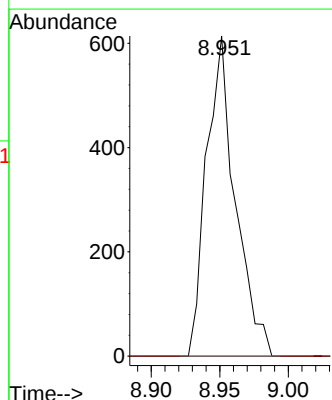
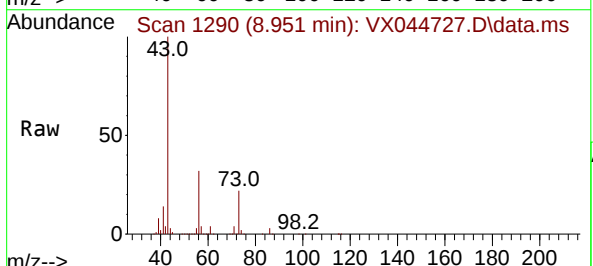
Acq: 27 Jan 2025 16:28

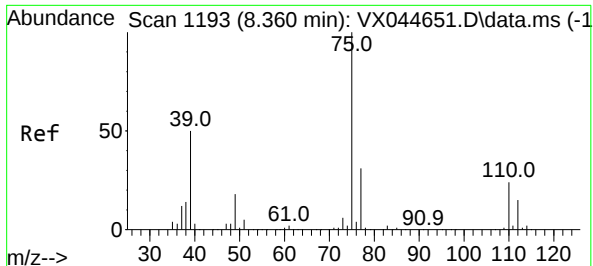
Tgt Ion: 75 Resp: 900

Ion Ratio Lower Upper

75 100

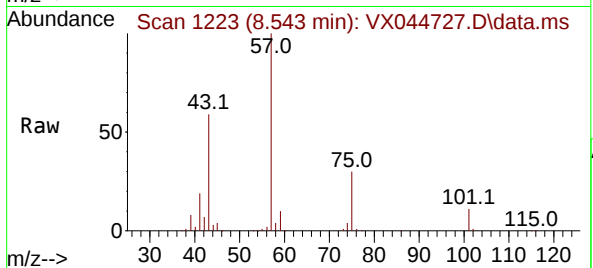
77 0.0 24.4 36.6#



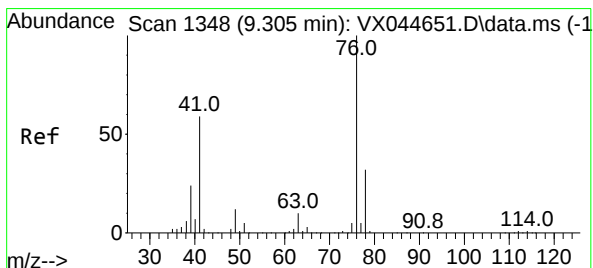
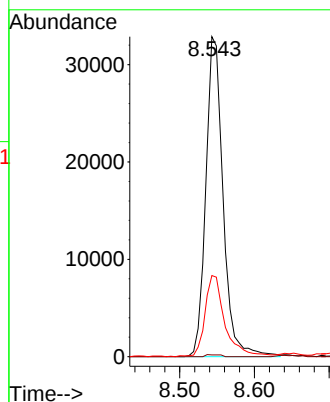
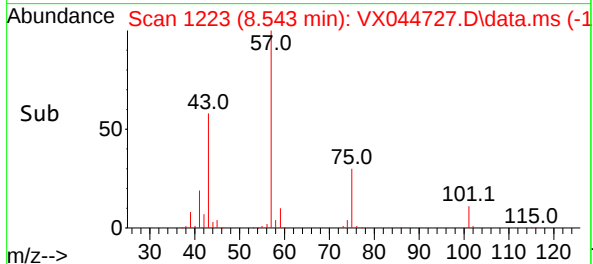


#54
 cis-1,3-Dichloropropene
 Concen: 14.628 ug/l
 RT: 8.543 min Scan# 1193
 Delta R.T. 0.183 min
 Lab File: VX044727.D
 Acq: 27 Jan 2025 16:28

Instrument :
 MSVOA_X
 ClientSampleId :

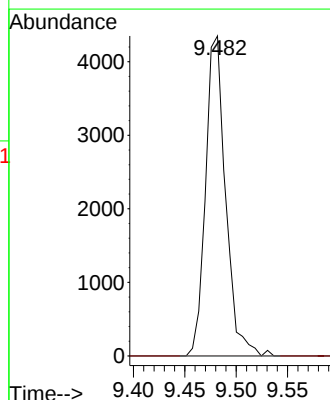
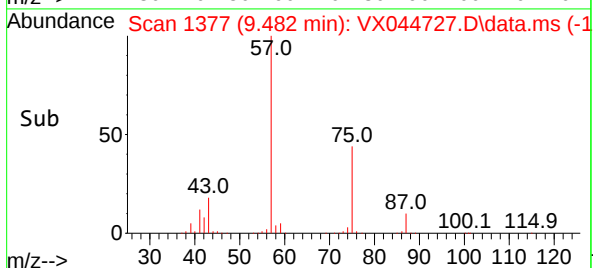
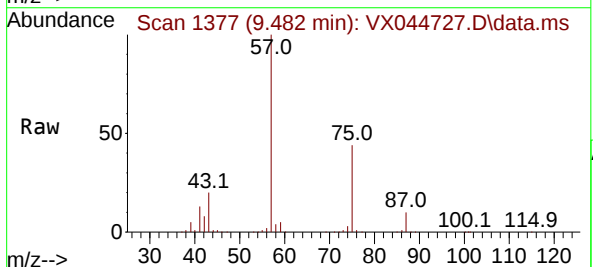


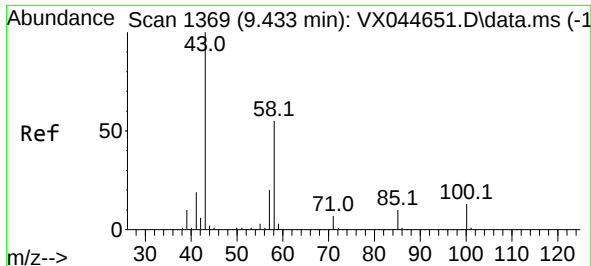
Tgt Ion: 75 Resp: 52756
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 25.0 40.3 60.5#



#57
 1,3-Dichloropropane
 Concen: 1.713 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX044727.D
 Acq: 27 Jan 2025 16:28

Tgt Ion: 76 Resp: 5917
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

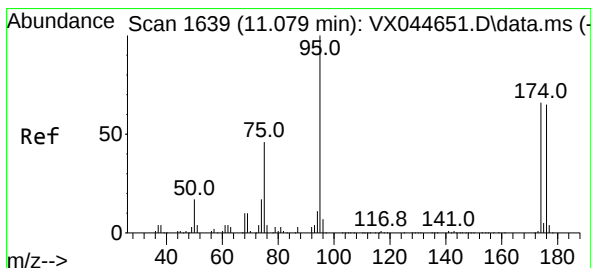
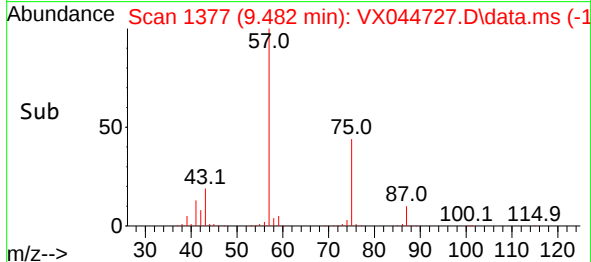
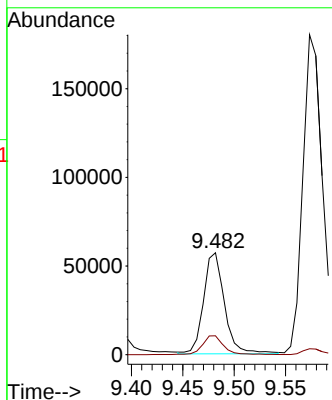
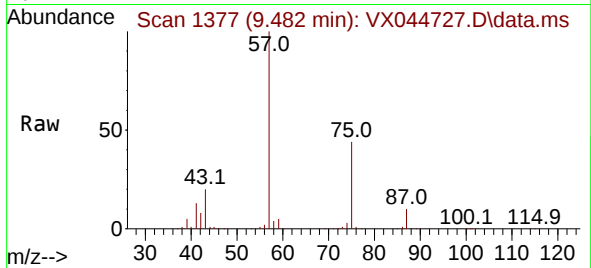




#59
2-Hexanone
Concen: 38.372 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

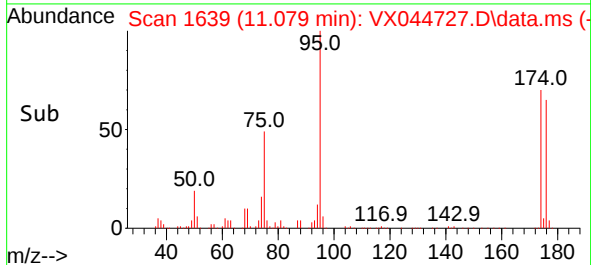
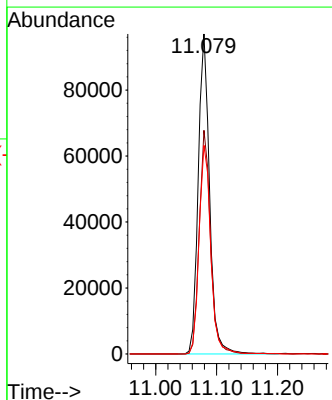
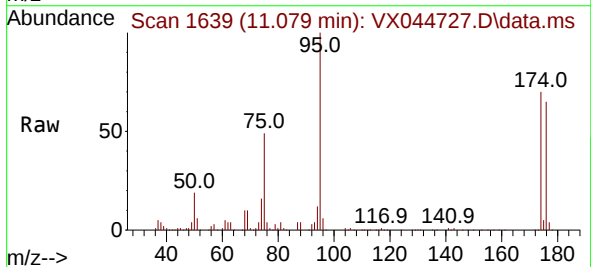
Instrument :
MSVOA_X
ClientSampleId :

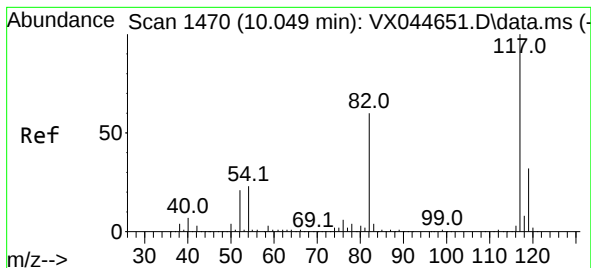
Tgt Ion: 43 Resp: 80799
Ion Ratio Lower Upper
43 100
58 19.4 27.8 83.3#



#62
4-Bromofluorobenzene
Concen: 50.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Tgt Ion: 95 Resp: 124947
Ion Ratio Lower Upper
95 100
174 70.0 0.0 133.0
176 67.4 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044727.D

Acq: 27 Jan 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

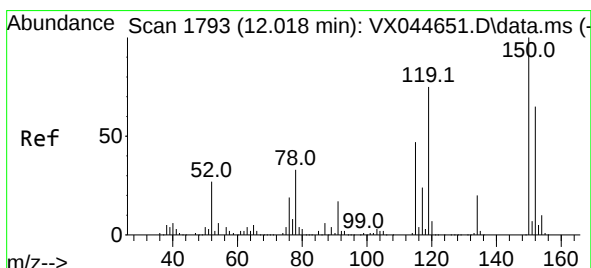
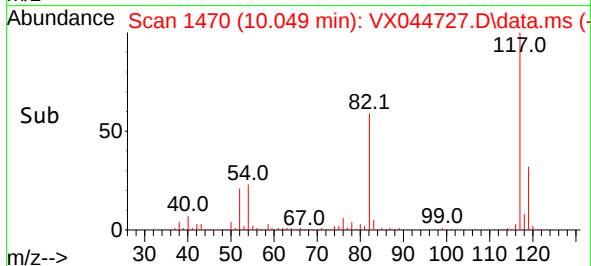
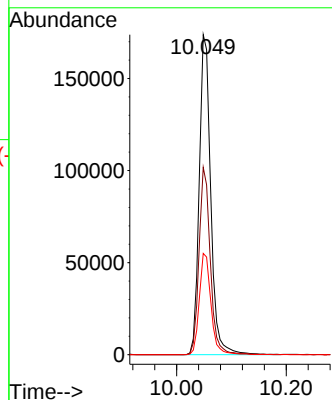
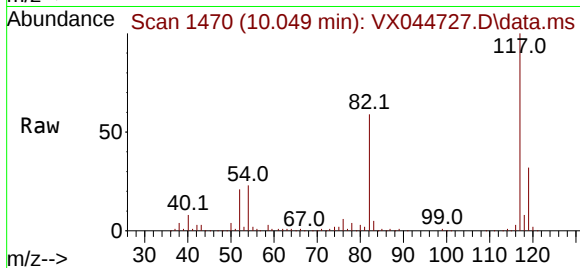
Tgt Ion:117 Resp: 254468

Ion Ratio Lower Upper

117 100

82 58.5 47.6 71.4

119 31.6 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX044727.D

Acq: 27 Jan 2025 16:28

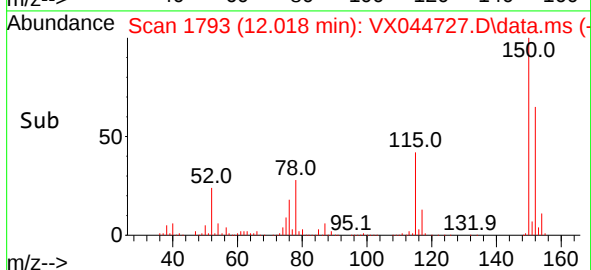
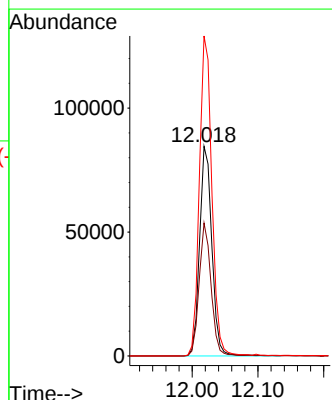
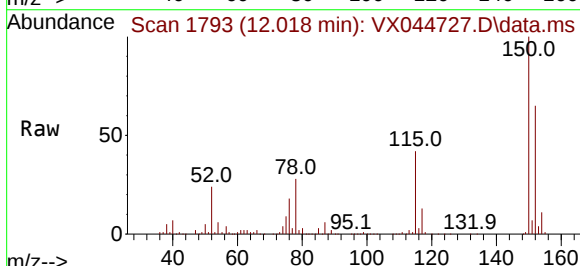
Tgt Ion:152 Resp: 109772

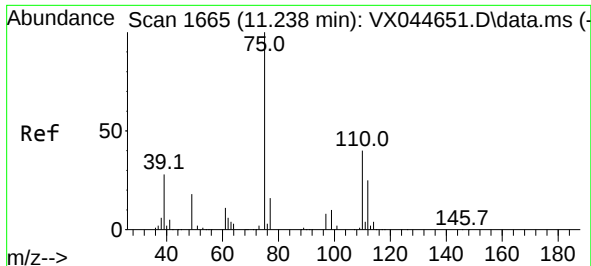
Ion Ratio Lower Upper

152 100

115 61.6 43.8 131.4

150 154.9 0.0 347.8

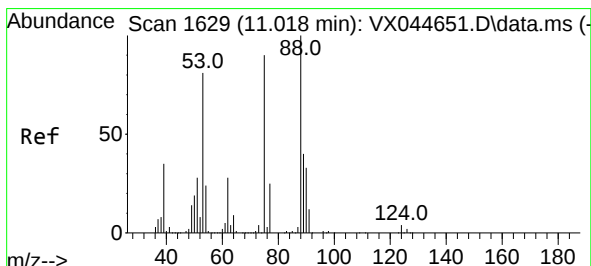
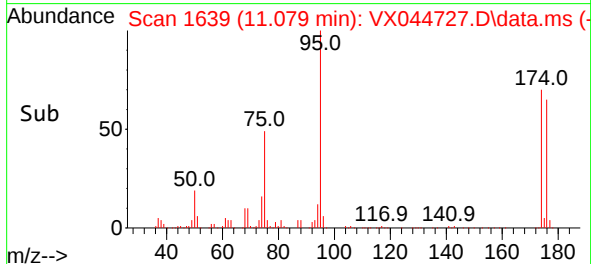
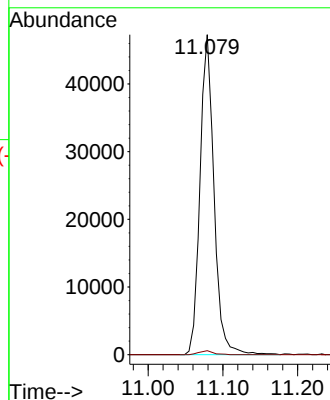
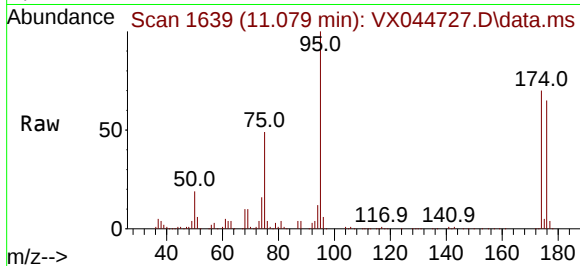




#76
1,2,3-Trichloropropane
Concen: 23.068 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 61453
Ion Ratio Lower Upper
75 100
77 1.2 23.4 70.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.753 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044727.D
Acq: 27 Jan 2025 16:28

Tgt Ion: 75 Resp: 61453
Ion Ratio Lower Upper
75 100
53 0.0 74.3 111.5#
89 0.0 37.4 56.0#

