

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
 Data File : VX044773.D
 Acq On : 30 Jan 2025 11:15
 Operator : JC/MD
 Sample : Q1212-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

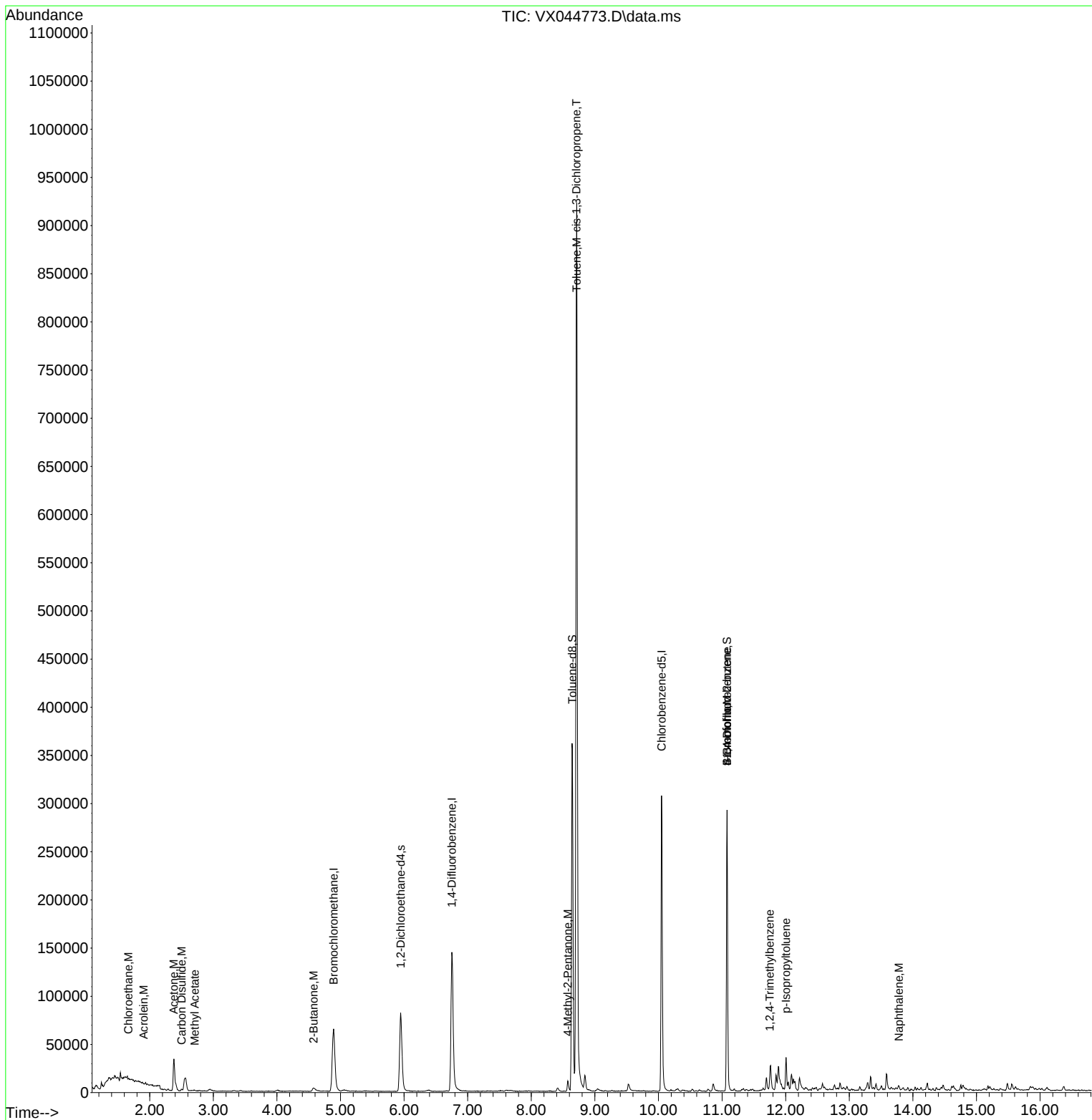
Quant Time: Jan 30 12:09:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

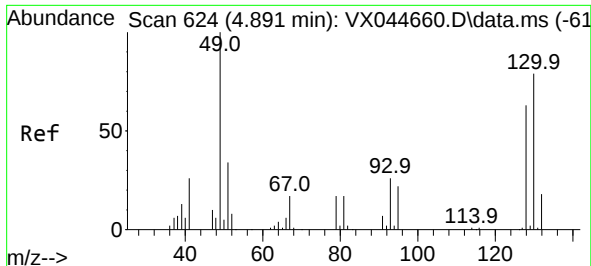
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.891	128	28290	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	156525	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	141380	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	73294	26.837	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.467%#
60) 4-Bromofluorobenzene	11.079	95	81100	29.533	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.433%
63) Toluene-d8	8.647	98	229890	29.896	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.667%
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	4704	11.460	ug/l #	50
12) Methyl Acetate	2.709	43	644	0.211	ug/l #	83
13) Acrolein	1.904	56	110	0.326	ug/l	86
15) Acetone	2.380	58	11760	39.425	ug/l	100
16) Carbon Disulfide	2.502	76	2188	0.377	ug/l #	92
30) 2-Butanone	4.574	43	6322	4.227	ug/l #	92
49) cis-1,3-Dichloropropene	8.708	75	3953	1.050	ug/l #	1
56) Bromoform	11.079	173	592	0.360	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	6707	2.251	ug/l	95
62) Toluene	8.714	91	633212	68.019	ug/l	99
77) t-1,4-Dichloro-2-butene	11.079	75	39279	31.156	ug/l #	13
80) 1,2,4-Trimethylbenzene	11.750	105	3749	0.486	ug/l	92
82) p-Isopropyltoluene	12.006	119	15074	1.951	ug/l	98
91) Naphthalene	13.780	128	3297	0.364	ug/l #	95

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

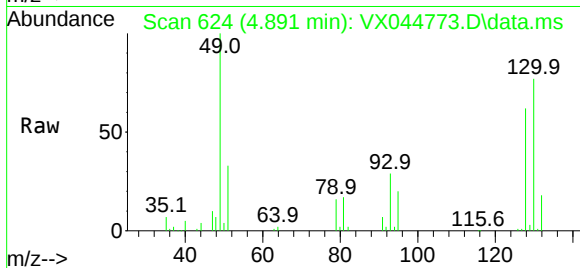
Quant Time: Jan 30 12:09:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



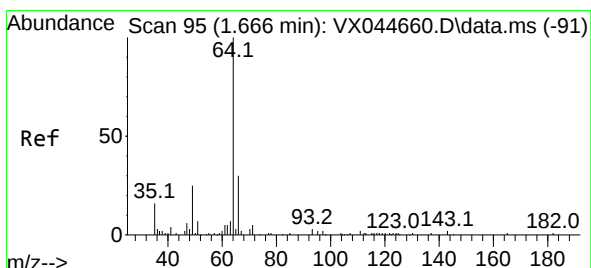
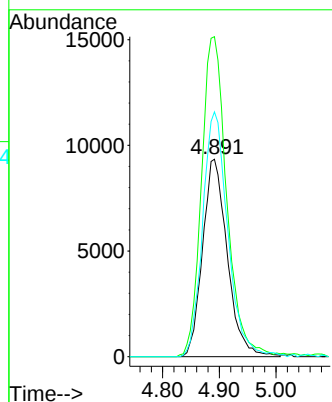
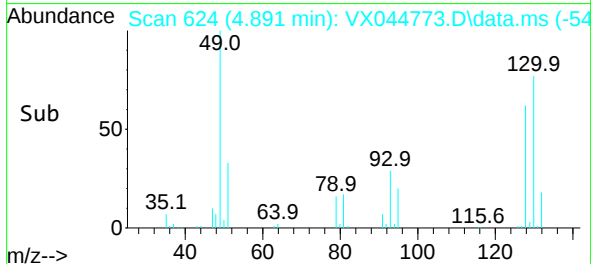


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :

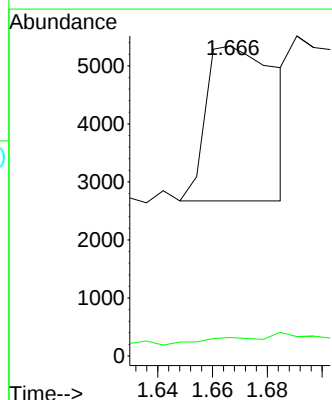
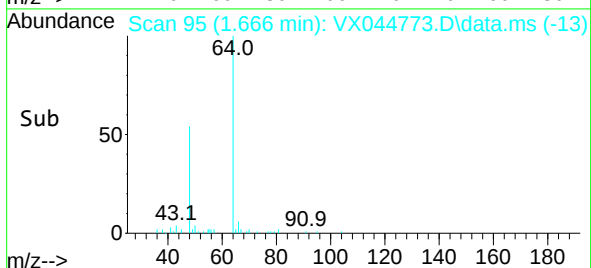
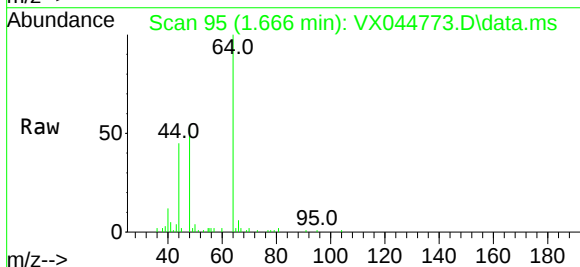


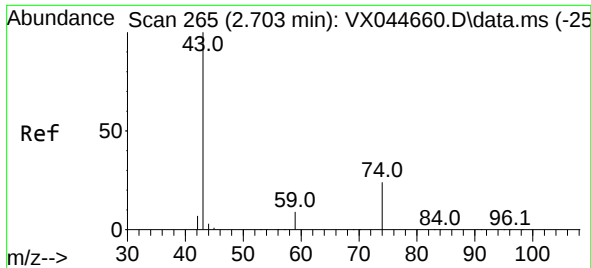
Tgt Ion:128 Resp: 28290
Ion Ratio Lower Upper
128 100
49 165.1 0.0 411.5
130 125.5 0.0 324.3



#6
Chloroethane
Concen: 11.460 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Tgt Ion: 64 Resp: 4704
Ion Ratio Lower Upper
64 100
66 3.0 23.8 35.6#

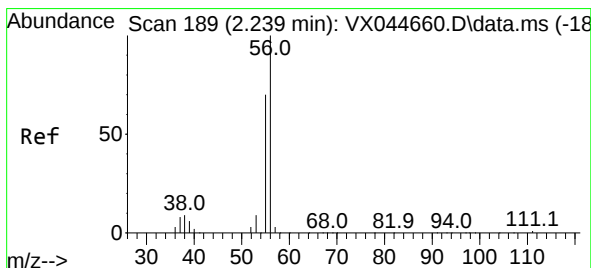
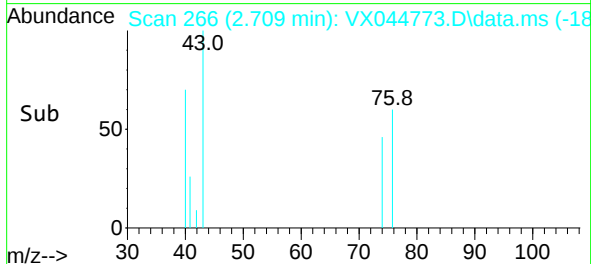
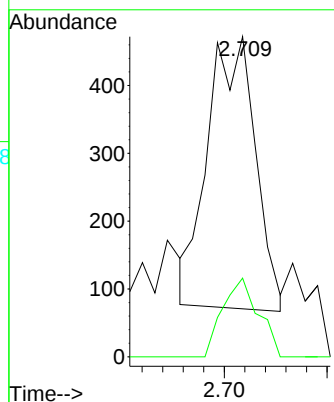
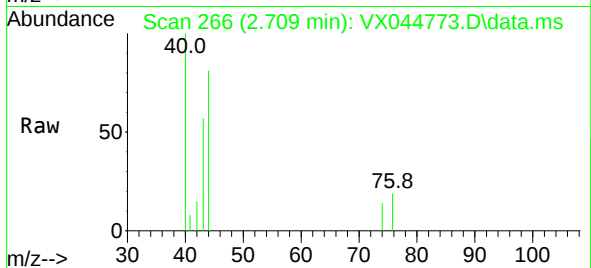




#12
Methyl Acetate
Concen: 0.211 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

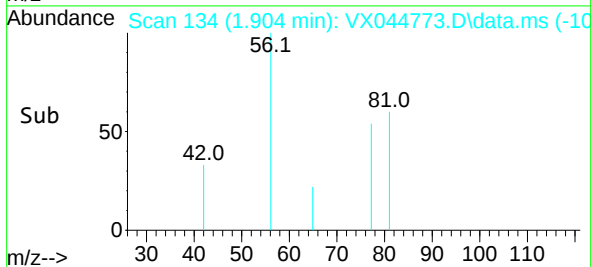
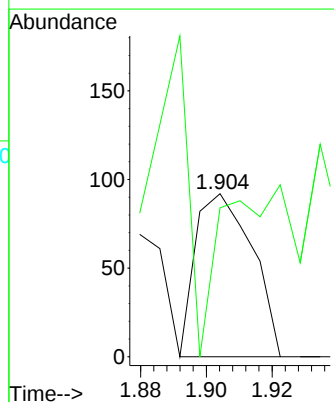
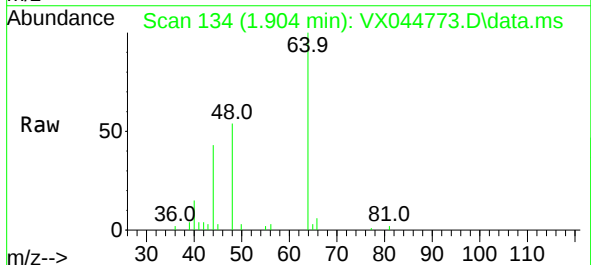
Instrument :
MSVOA_X
ClientSampleId :

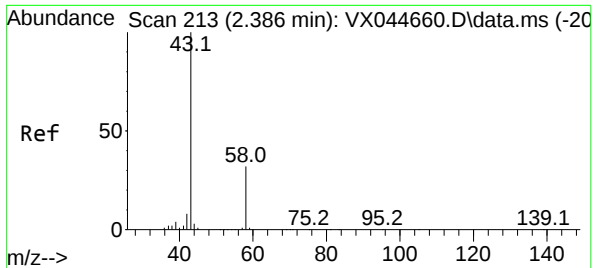
Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
74 32.8 19.4 29.2#



#13
Acrolein
Concen: 0.326 ug/l
RT: 1.904 min Scan# 134
Delta R.T. -0.335 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 83.6 57.5 86.3

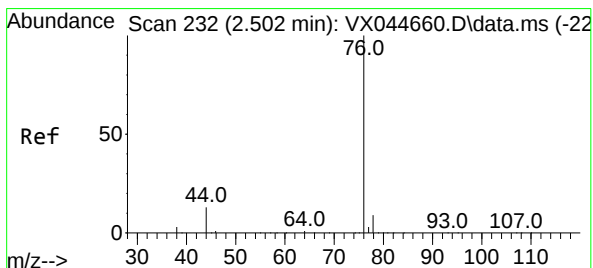
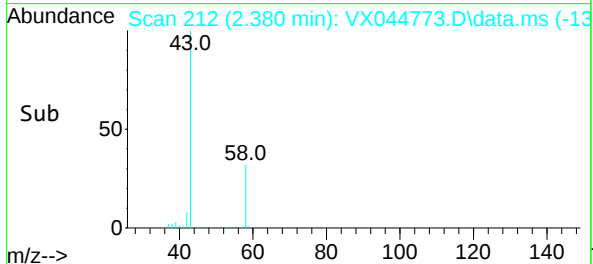
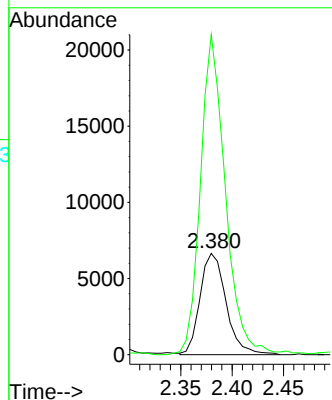
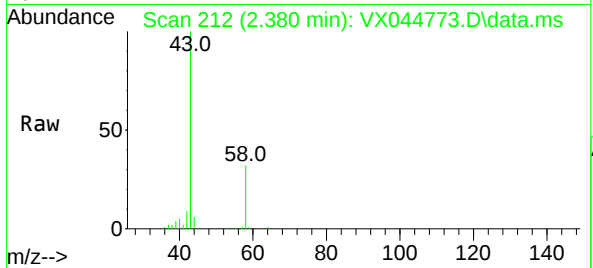




#15
Acetone
Concen: 39.425 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

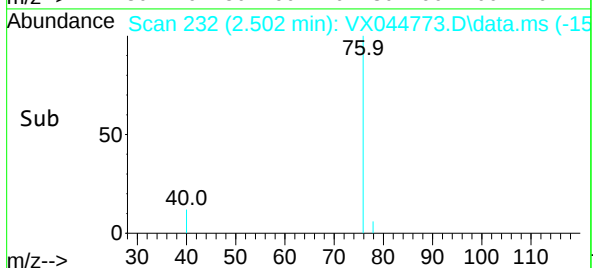
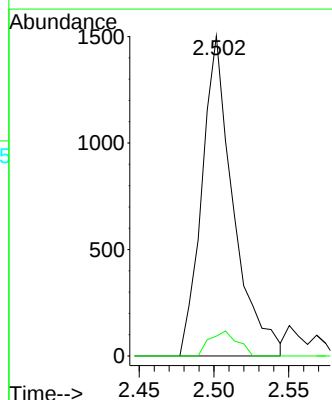
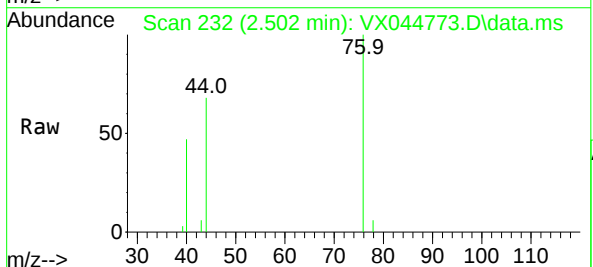
Instrument :
MSVOA_X
ClientSampleId :

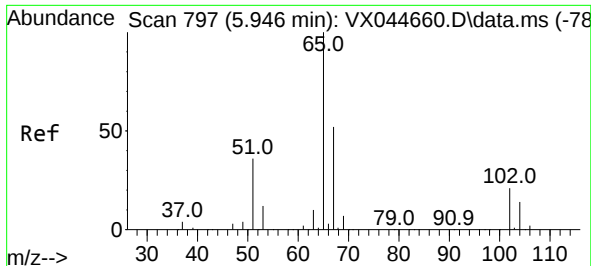
Tgt Ion: 58 Resp: 11760
Ion Ratio Lower Upper
58 100
43 313.0 251.0 376.4



#16
Carbon Disulfide
Concen: 0.377 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

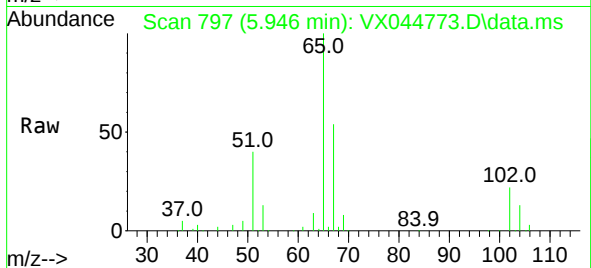
Tgt Ion: 76 Resp: 2188
Ion Ratio Lower Upper
76 100
78 6.2 7.3 10.9#



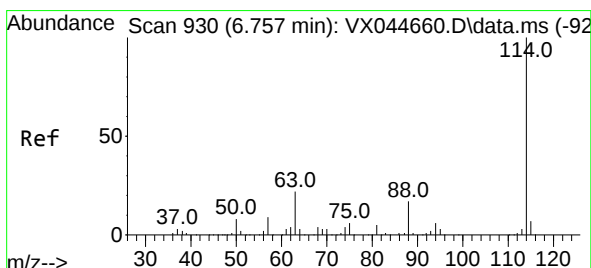
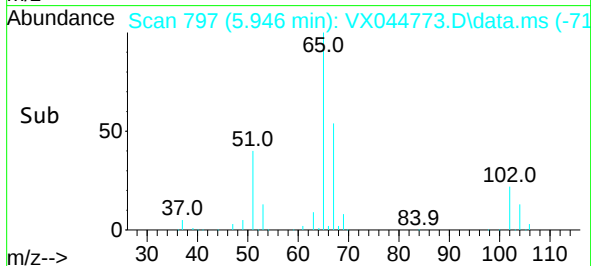
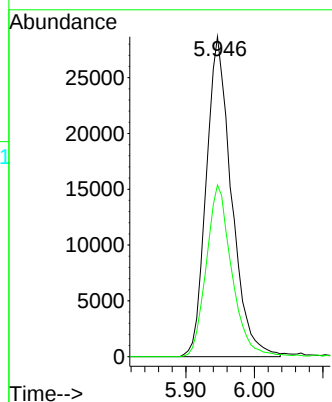


#27
1,2-Dichloroethane-d4
Concen: 26.837 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :

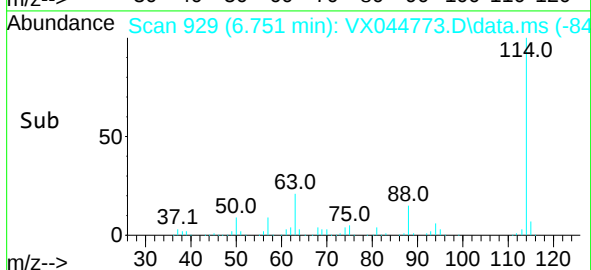
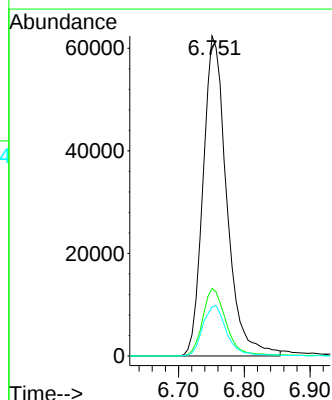
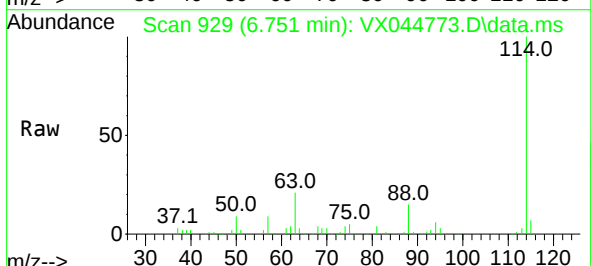


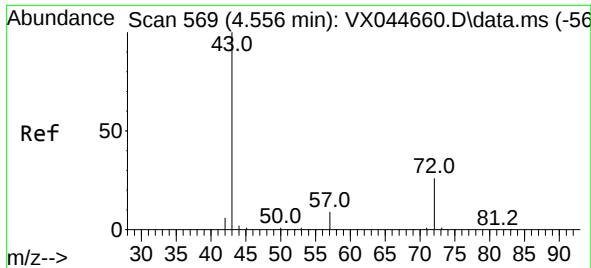
Tgt Ion: 65 Resp: 73294
Ion Ratio Lower Upper
65 100
67 54.1 41.4 62.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

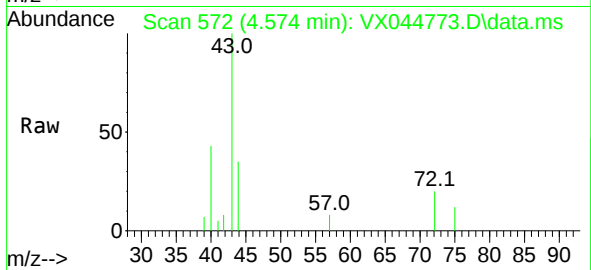
Tgt Ion: 114 Resp: 156525
Ion Ratio Lower Upper
114 100
63 20.8 16.6 24.8
88 15.9 13.4 20.2



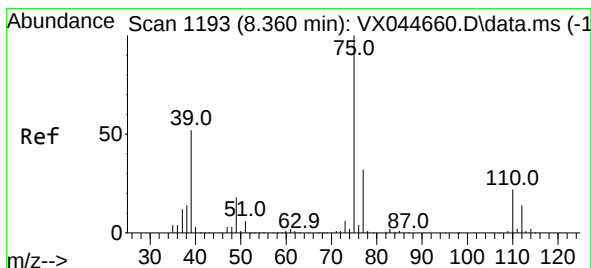
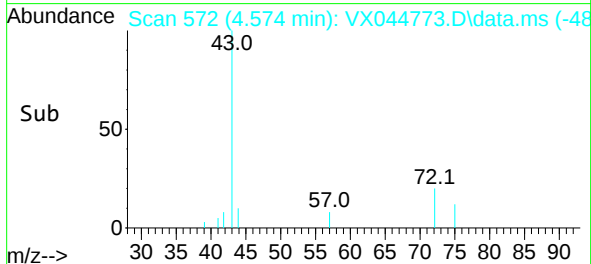
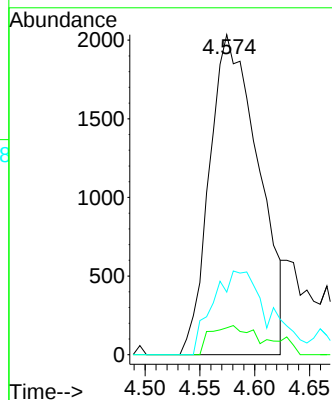


#30
2-Butanone
Concen: 4.227 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :

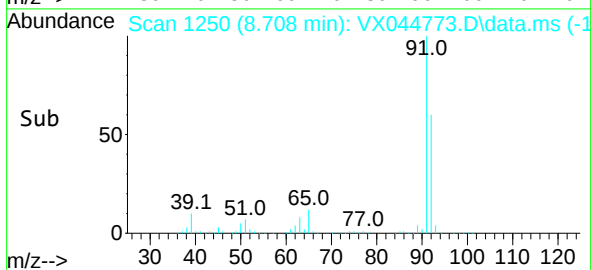
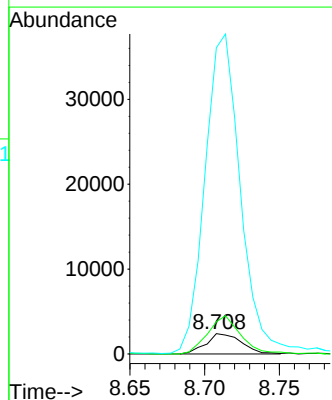
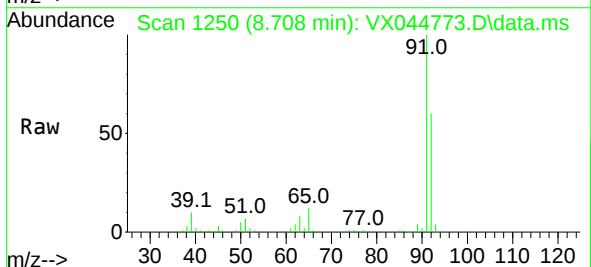


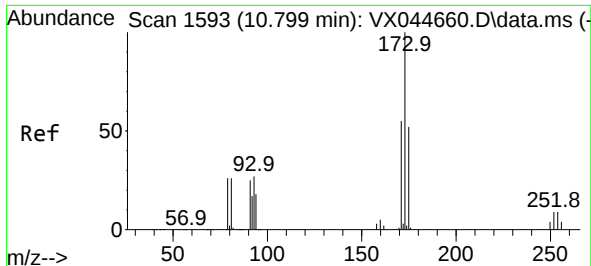
Tgt Ion: 43 Resp: 6322
Ion Ratio Lower Upper
43 100
57 0.9 6.4 9.6#
72 24.3 21.5 32.3



#49
cis-1,3-Dichloropropene
Concen: 1.050 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.348 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

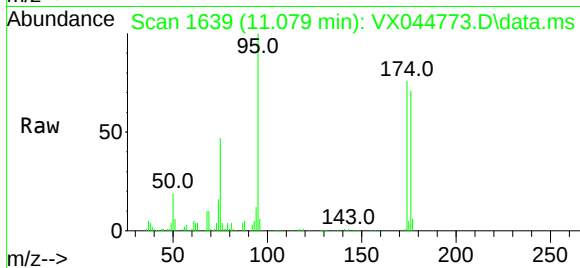
Tgt Ion: 75 Resp: 3953
Ion Ratio Lower Upper
75 100
77 158.3 25.4 38.0#
39 1482.6 41.4 62.0#



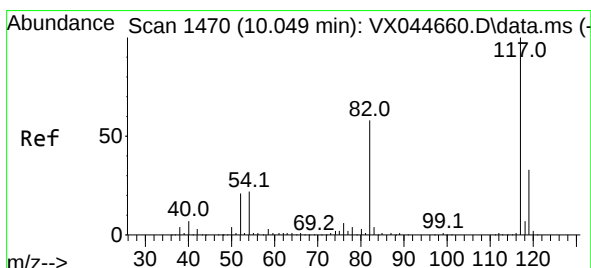
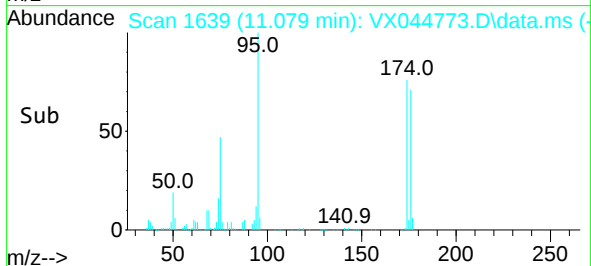
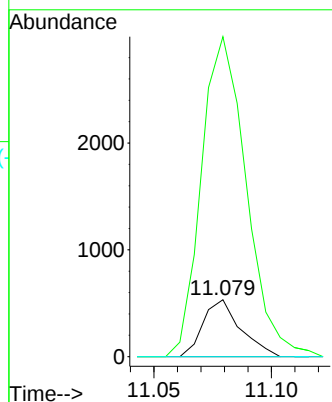


#56
Bromoform
Concen: 0.360 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :

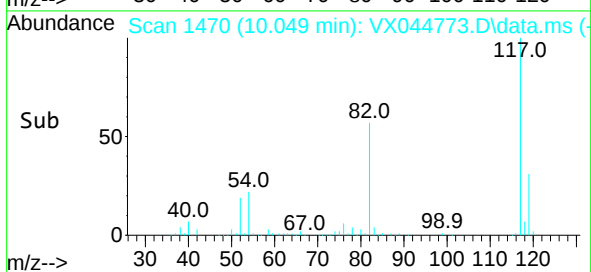
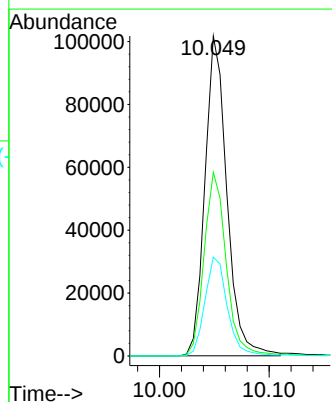
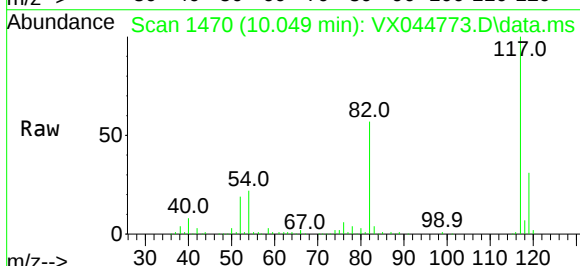


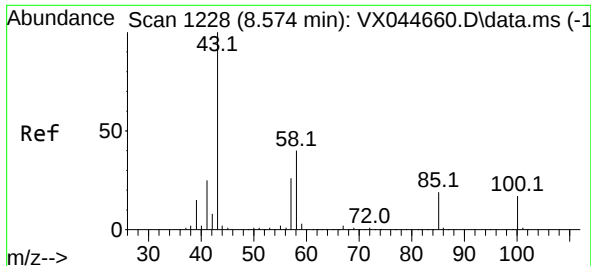
Tgt Ion:173 Resp: 592
Ion Ratio Lower Upper
173 100
175 674.7 39.0 58.6#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Tgt Ion:117 Resp: 141380
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.6
119 31.9 25.8 38.6

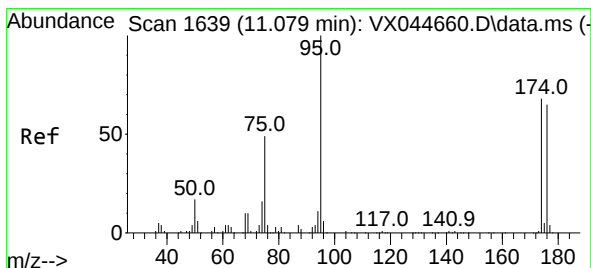
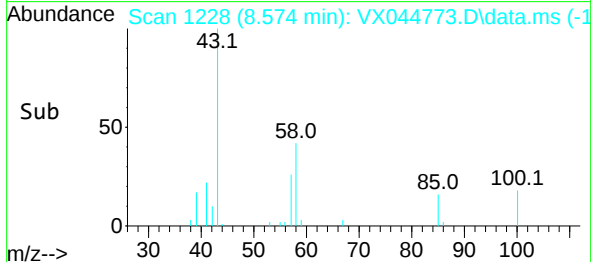
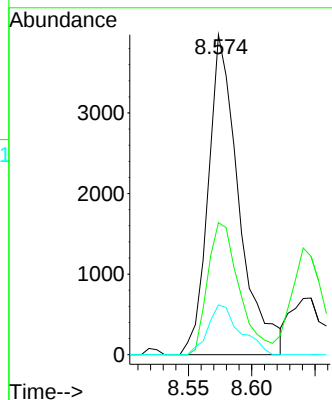
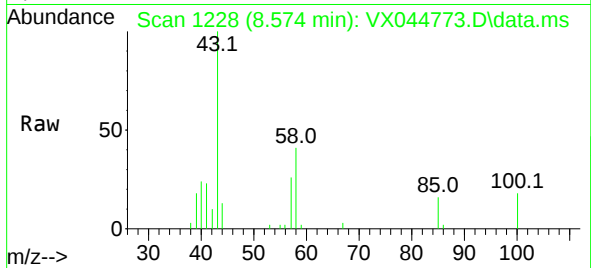




#58
4-Methyl-2-Pentanone
Concen: 2.251 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

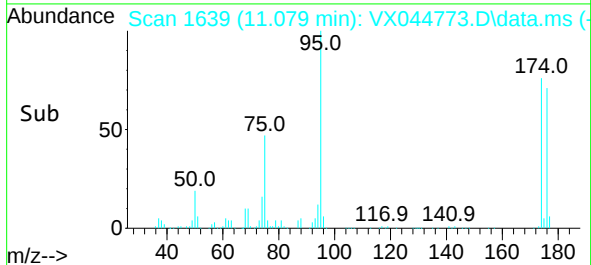
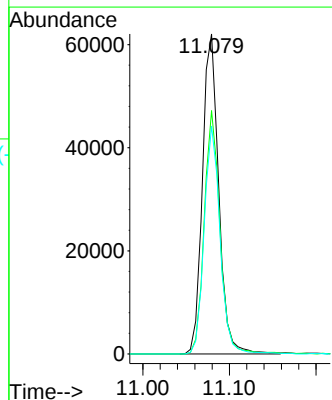
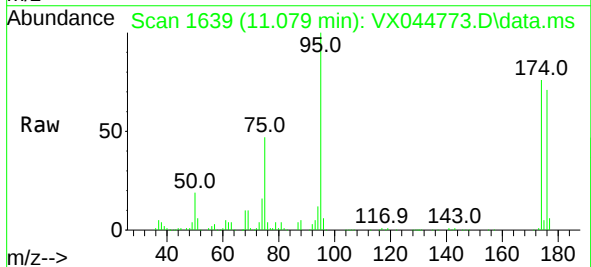
Instrument :
MSVOA_X
ClientSampleId :

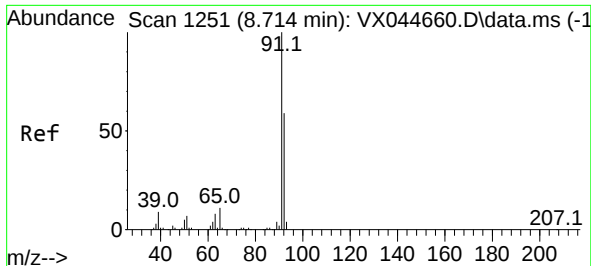
Tgt Ion:	43	Resp:	6707
Ion	Ratio	Lower	Upper
43	100		
58	42.8	31.7	47.5
85	16.3	15.0	22.6



#60
4-Bromofluorobenzene
Concen: 29.533 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Tgt Ion:	95	Resp:	81100
Ion	Ratio	Lower	Upper
95	100		
174	73.0	54.6	81.8
176	69.4	52.8	79.2

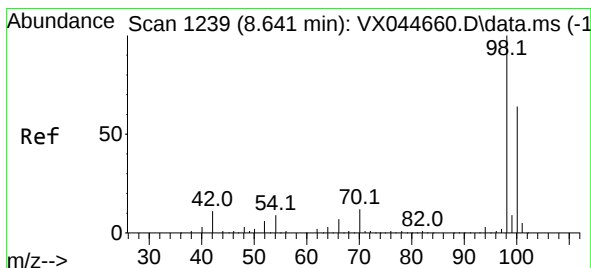
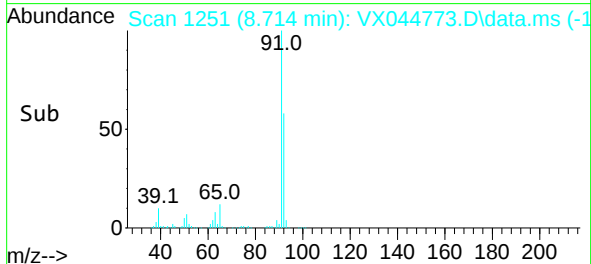
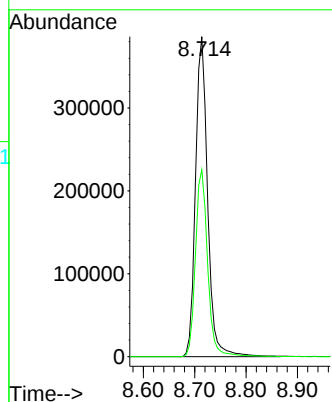
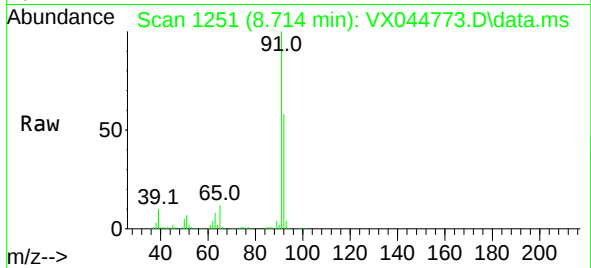




#62
Toluene
Concen: 68.019 ug/l
RT: 8.714 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

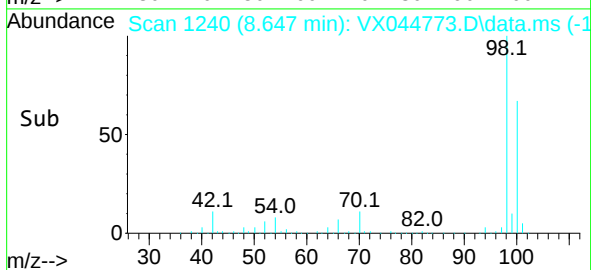
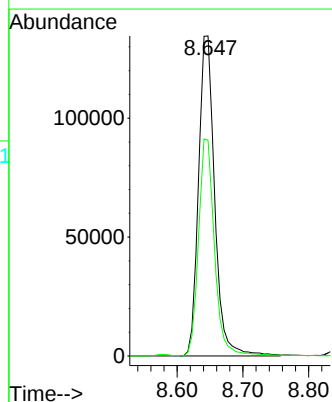
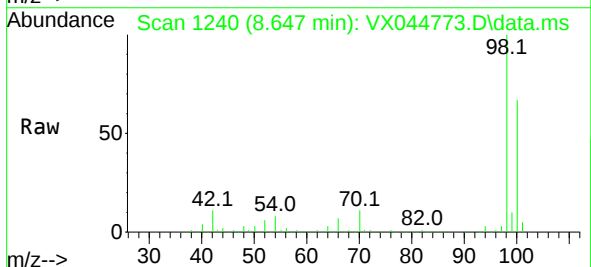
Instrument :
MSVOA_X
ClientSampleId :

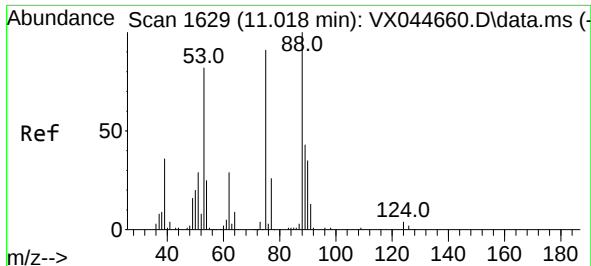
Tgt Ion: 91 Resp: 633212
Ion Ratio Lower Upper
91 100
92 58.7 47.3 70.9



#63
Toluene-d8
Concen: 29.896 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

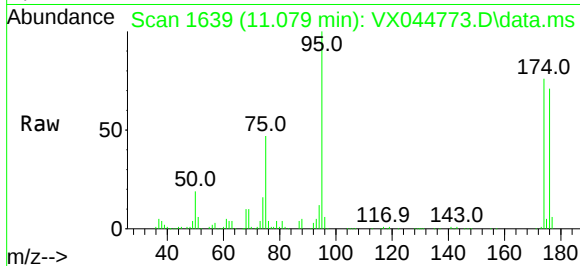
Tgt Ion: 98 Resp: 229890
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4



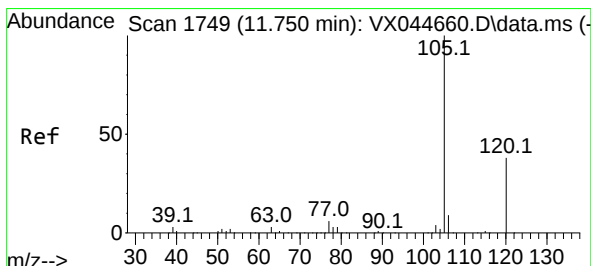
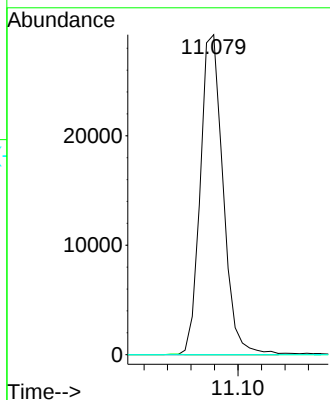
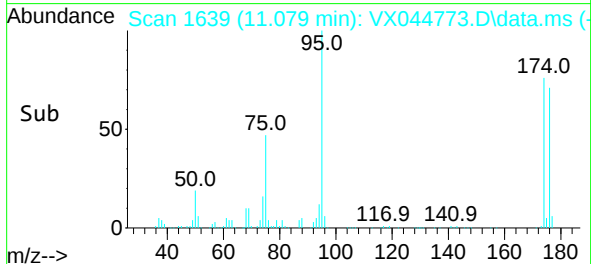


#77
t-1,4-Dichloro-2-butene
Concen: 31.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :

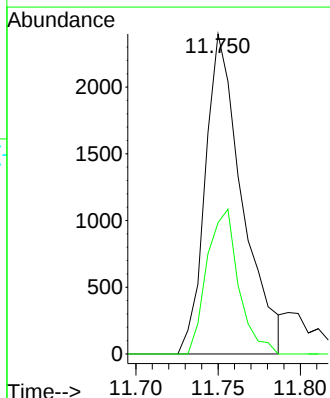
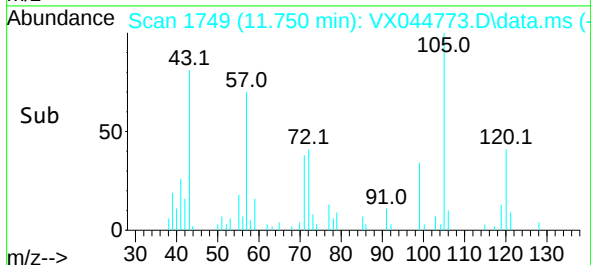
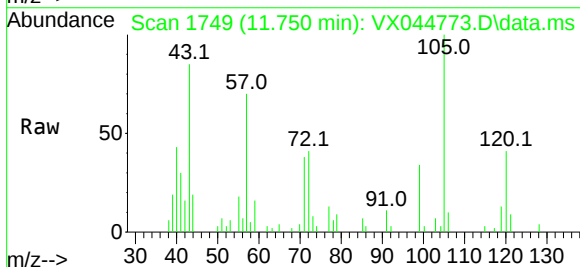


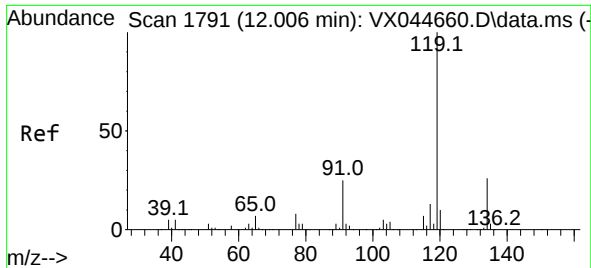
Tgt Ion: 75 Resp: 39279
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 23.8 71.2#



#80
1,2,4-Trimethylbenzene
Concen: 0.486 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Tgt Ion: 105 Resp: 3749
Ion Ratio Lower Upper
105 100
120 38.7 0.0 88.4

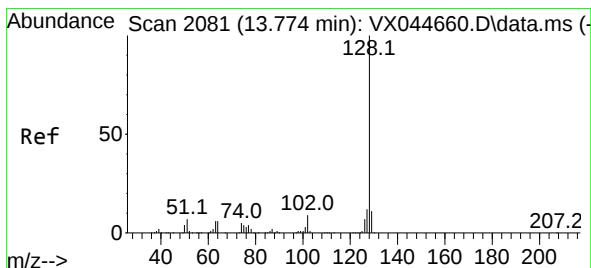
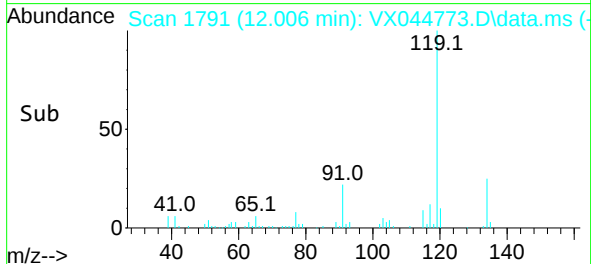
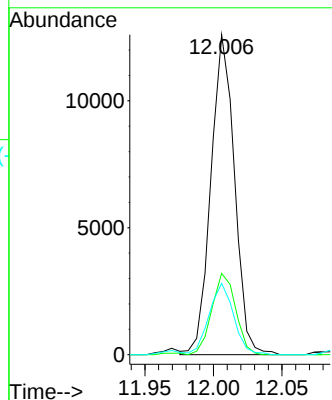
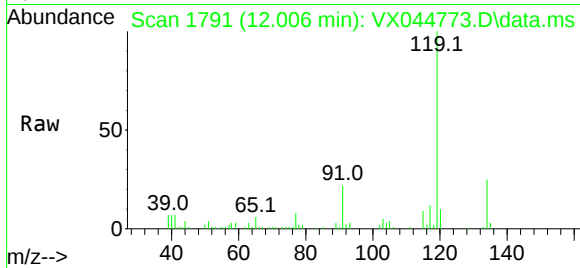




#82
p-Isopropyltoluene
Concen: 1.951 ug/l
RT: 12.006 min Scan# 119
Delta R.T. 0.000 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	119	Resp:	15074
Ion Ratio	Lower	Upper	
119	100		
134	25.7	0.0	52.2
91	23.2	0.0	50.2



#91
Naphthalene
Concen: 0.364 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044773.D
Acq: 30 Jan 2025 11:15

Tgt Ion:	128	Resp:	3297
Ion Ratio	Lower	Upper	
128	100		
127	15.5	10.2	15.4#
129	10.1	9.0	13.6

