

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044719.D
 Acq On : 27 Jan 2025 13:24
 Operator : JC/MD
 Sample : Q1173-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 04:11:28 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)

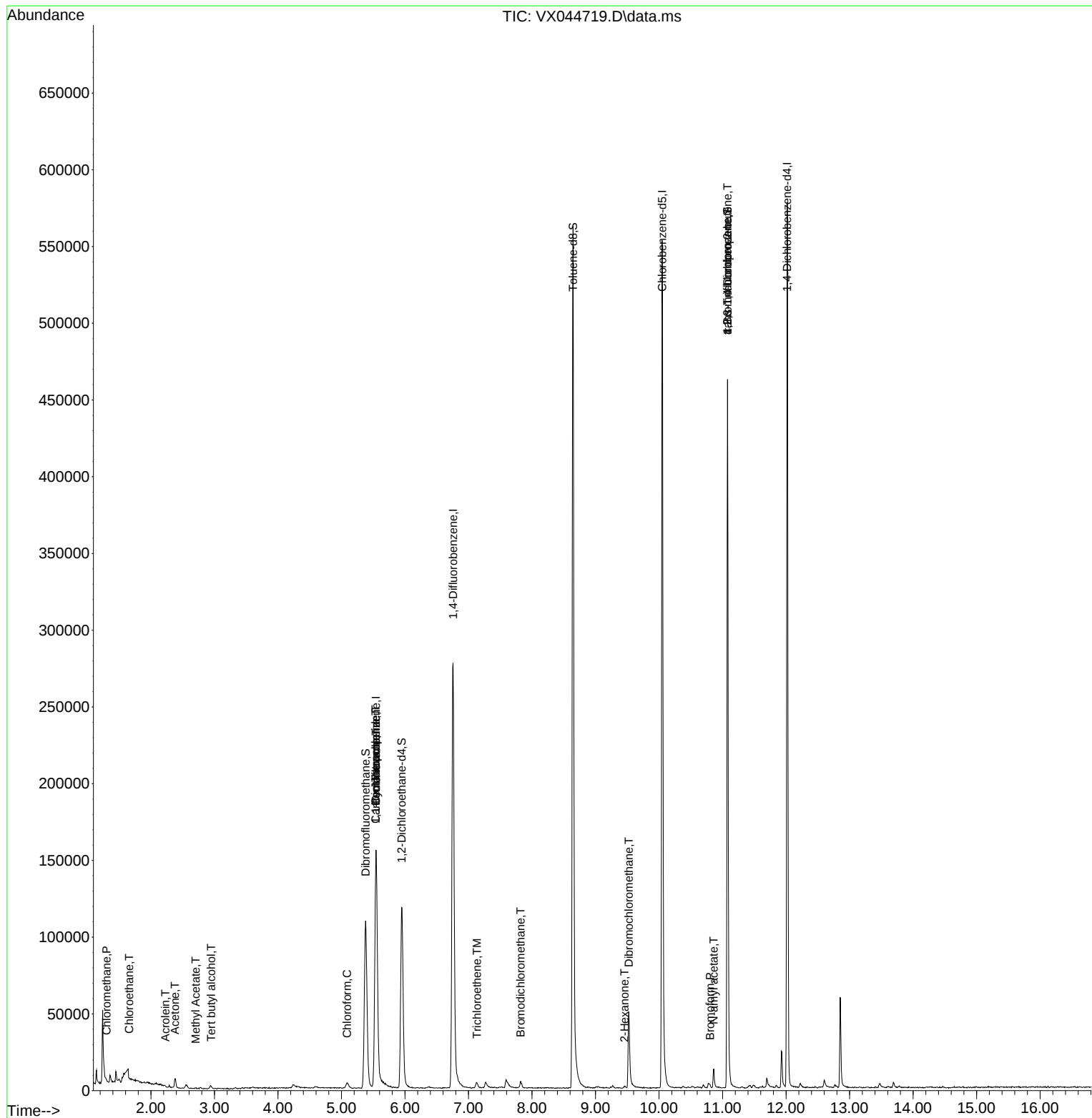
Internal Standards						
1) Pentafluorobenzene	5.544	168	156971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	304234	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	268221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	113380	47.853	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.700%
35) Dibromofluoromethane	5.379	113	98218	50.818	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.640%
50) Toluene-d8	8.647	98	372179	55.227	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	110.460%
62) 4-Bromofluorobenzene	11.079	95	131621	52.391	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.780%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	532	0.233	ug/l	97
6) Chloroethane	1.654	64	671	1.621	ug/l #	74
11) Tert butyl alcohol	2.947	59	1016	1.923	ug/l #	94
13) Acrolein	2.227	56	274	1.102	ug/l #	42
16) Acetone	2.380	43	7094	7.568	ug/l	97
18) Methyl Acetate	2.703	43	596	0.206	ug/l #	57
30) Chloroform	5.086	83	4072	1.094	ug/l	94
31) Cyclohexane	5.544	56	3681	1.234	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	12575	4.674	ug/l #	49
38) Carbon Tetrachloride	5.538	117	15482	5.116	ug/l #	16
44) Trichloroethene	7.135	130	1739	0.868	ug/l	74
47) Bromodichloromethane	7.818	83	3219	0.983	ug/l #	90
59) 2-Hexanone	9.458	43	1030	0.481	ug/l	81
60) Dibromochloromethane	9.525	129	2553	1.054	ug/l	99
71) Bromoform	10.805	173	679	0.403	ug/l #	83
74) N-amyl acetate	10.860	43	2009	0.430	ug/l #	9
76) 1,2,3-Trichloropropane	11.079	75	64719	23.001	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	64719	52.600	ug/l #	12

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

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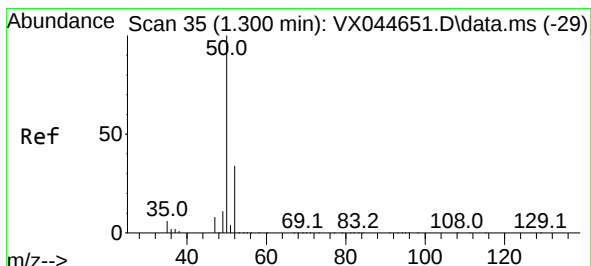
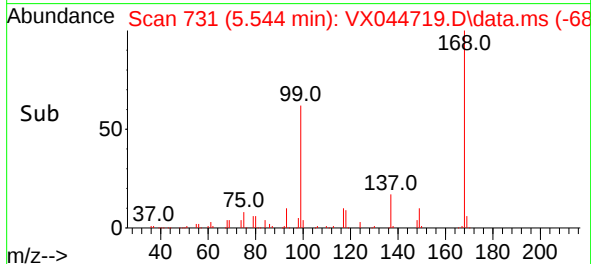
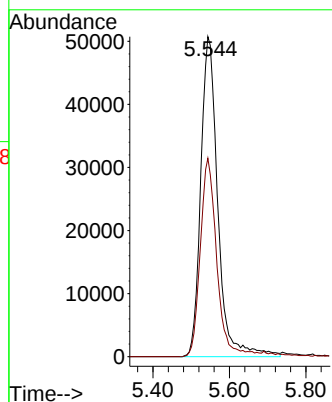
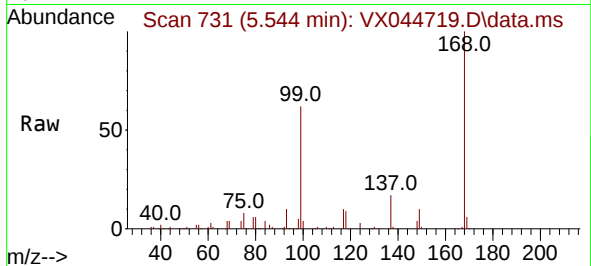




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

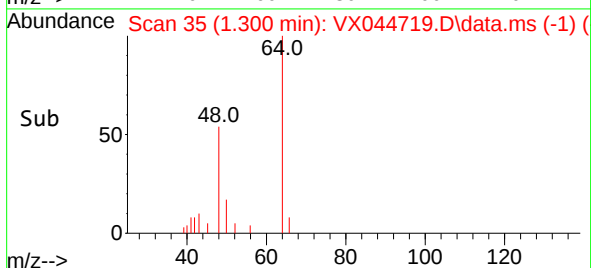
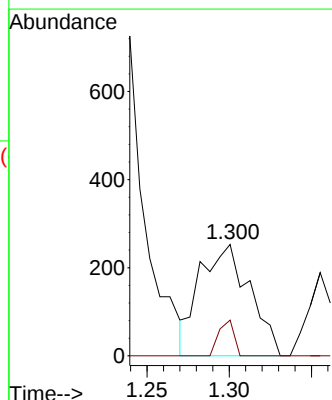
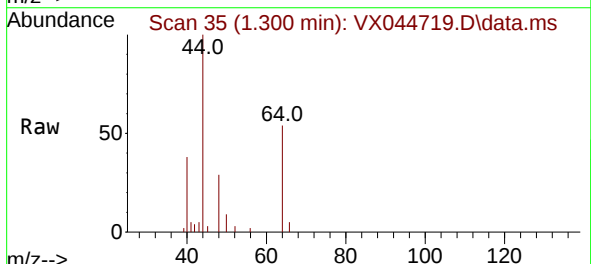
Instrument :
MSVOA_X
ClientSampleId :

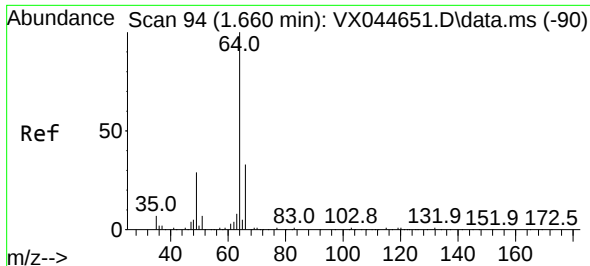
Tgt Ion:168 Resp: 156971
Ion Ratio Lower Upper
168 100
99 62.0 51.1 76.7



#3
Chloromethane
Concen: 0.233 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 50 Resp: 532
Ion Ratio Lower Upper
50 100
52 32.0 27.0 40.4

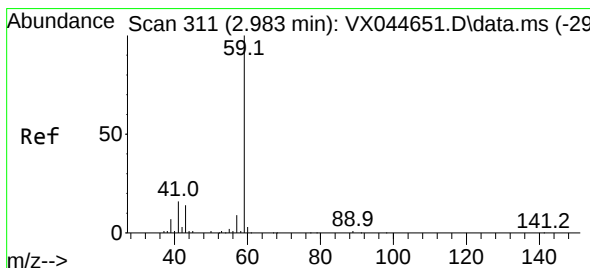
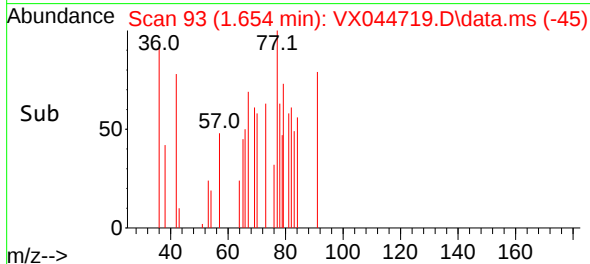
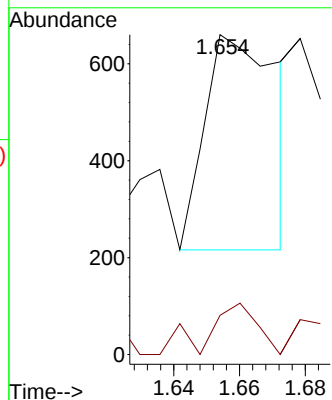
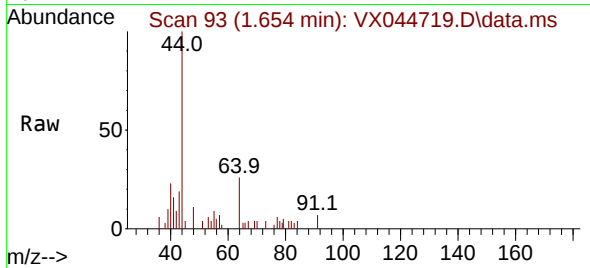




#6
Chloroethane
Concen: 1.621 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

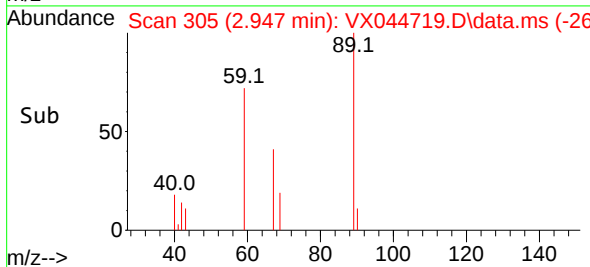
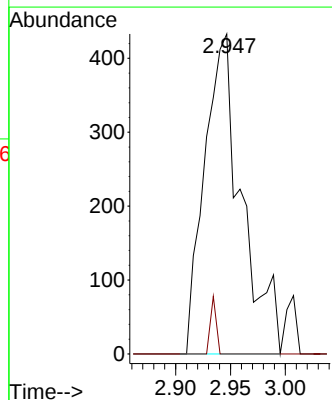
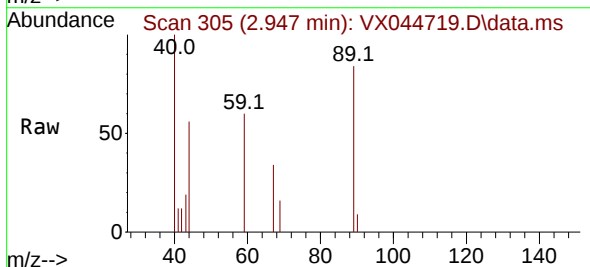
Instrument :
MSVOA_X
ClientSampleId :

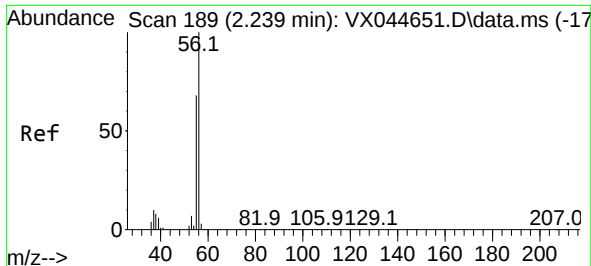
Tgt Ion: 64 Resp: 671
Ion Ratio Lower Upper
64 100
66 18.2 26.6 39.8#



#11
Tert butyl alcohol
Concen: 1.923 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 59 Resp: 1016
Ion Ratio Lower Upper
59 100
57 2.9 3.9 5.9#

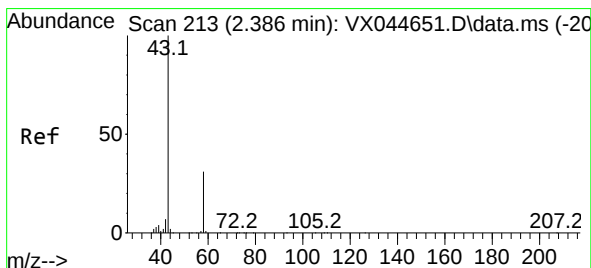
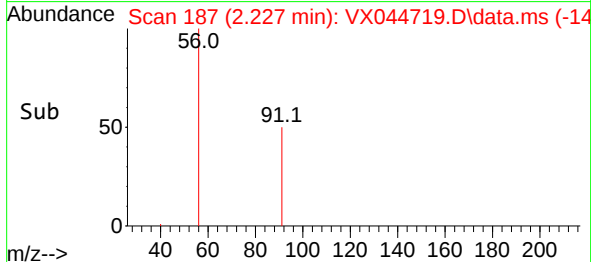
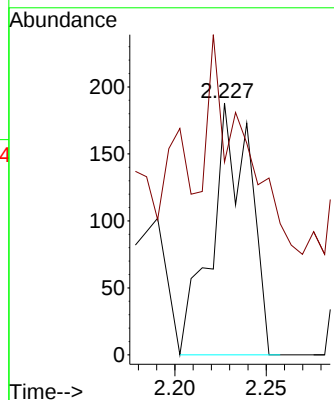
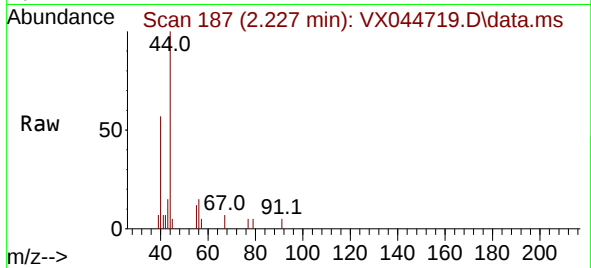




#13
Acrolein
Concen: 1.102 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

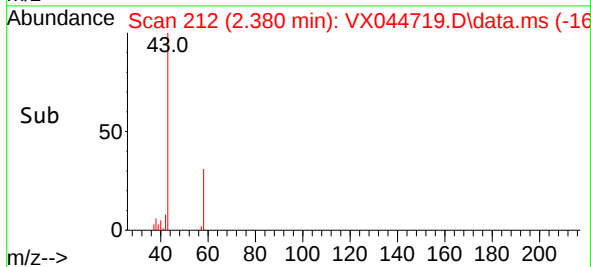
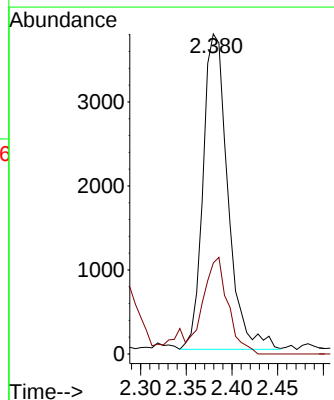
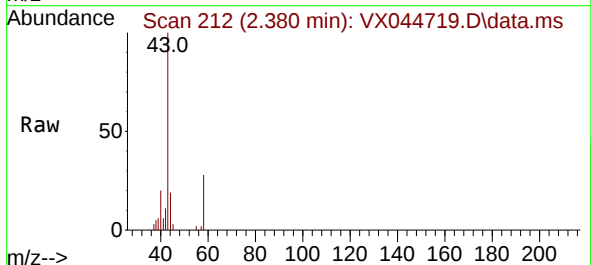
Instrument :
MSVOA_X
ClientSampleId :

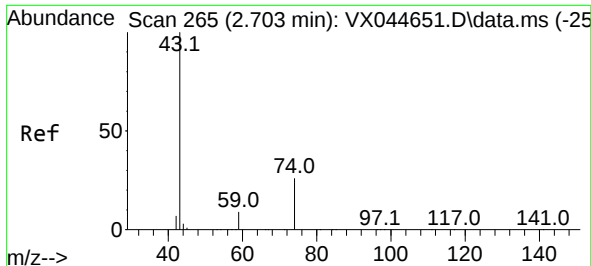
Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 116.4 55.1 82.7#



#16
Acetone
Concen: 7.568 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 43 Resp: 7094
Ion Ratio Lower Upper
43 100
58 28.9 24.6 37.0

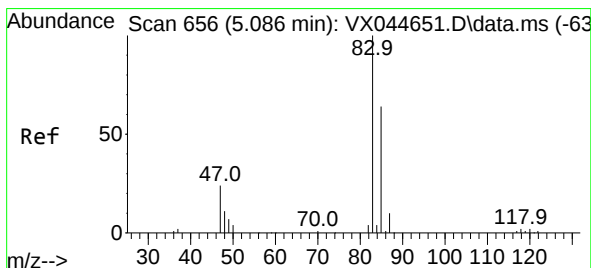
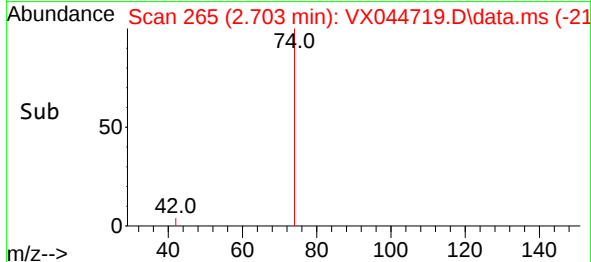
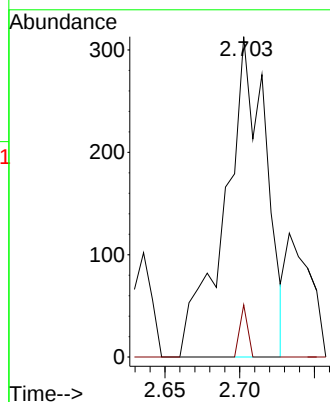
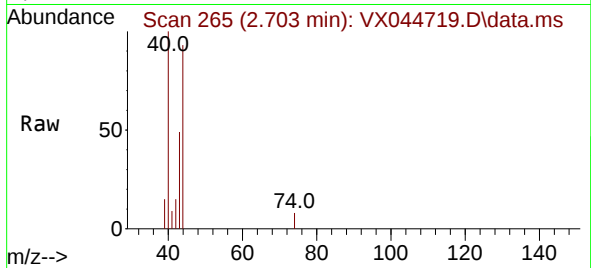




#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

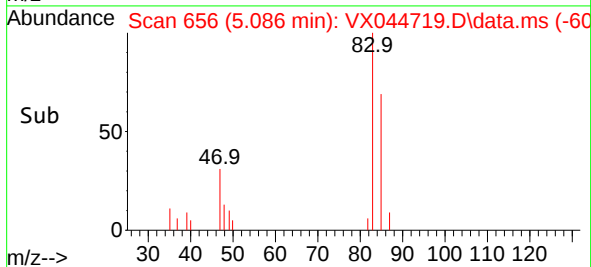
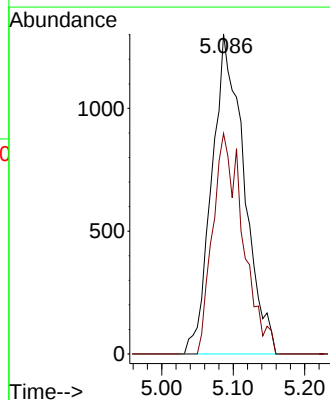
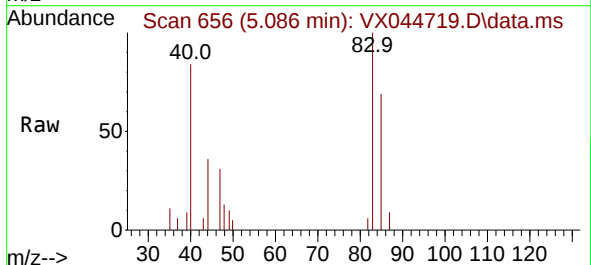
Instrument :
MSVOA_X
ClientSampleId :

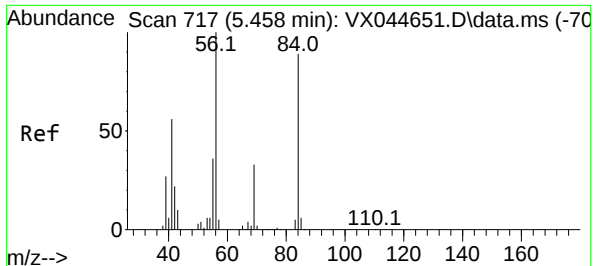
Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
74 3.2 19.8 29.8#



#30
Chloroform
Concen: 1.094 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

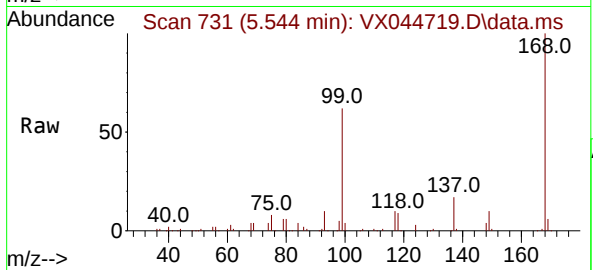
Tgt Ion: 83 Resp: 4072
Ion Ratio Lower Upper
83 100
85 68.9 51.2 76.8



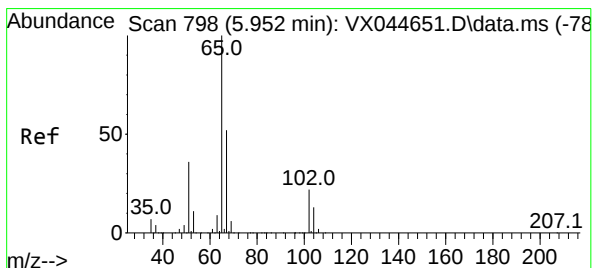
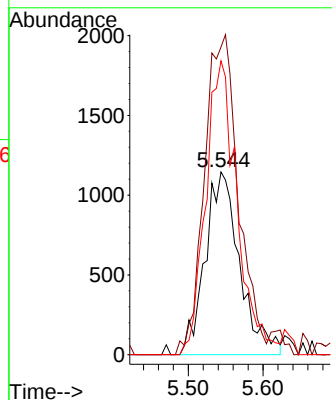
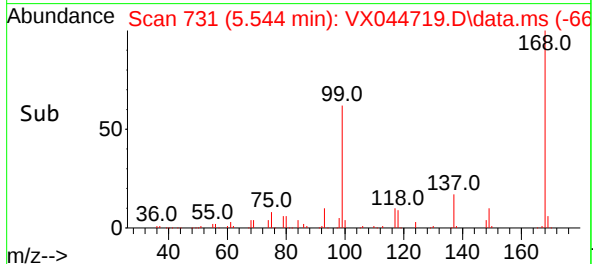


#31
Cyclohexane
Concen: 1.234 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :

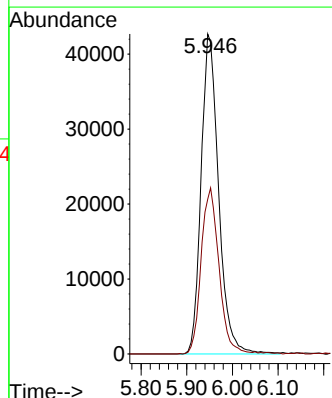
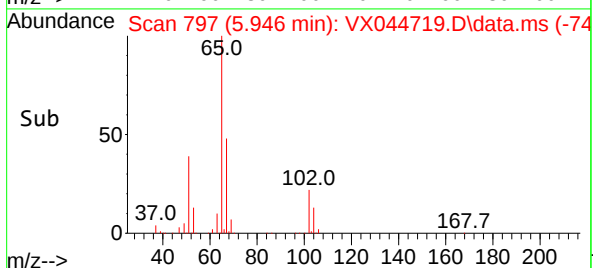
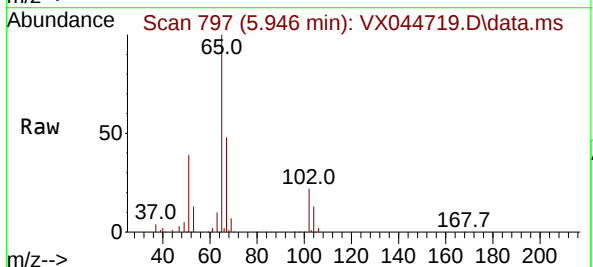


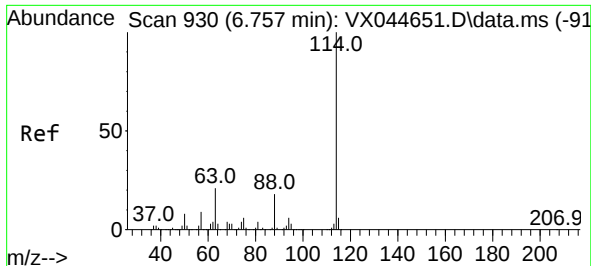
Tgt Ion: 56 Resp: 3681
Ion Ratio Lower Upper
56 100
69 160.8 26.8 40.2#
84 160.7 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 47.853 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

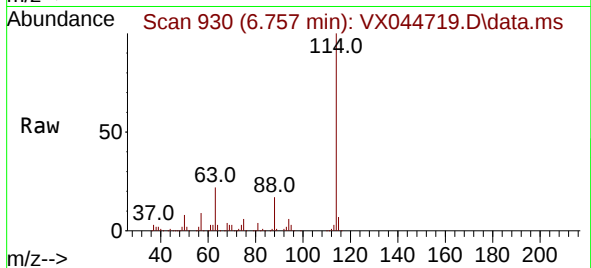
Tgt Ion: 65 Resp: 113380
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.4



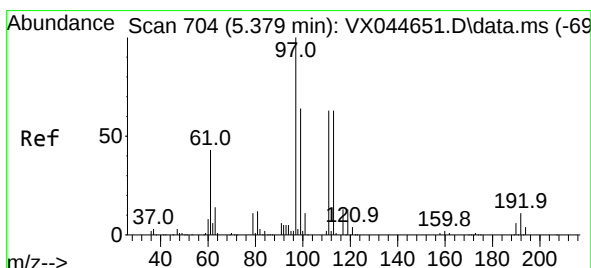
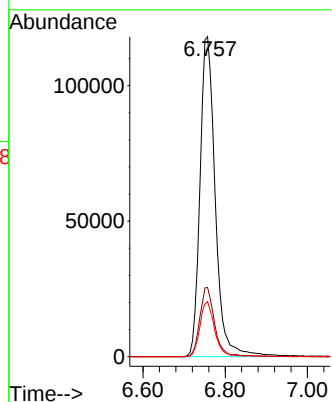
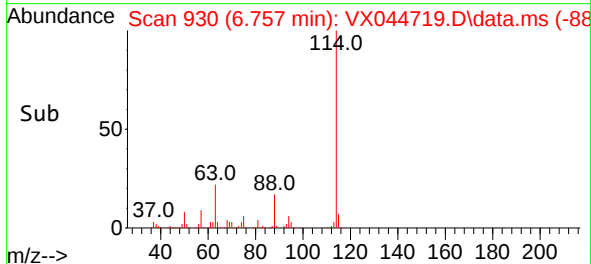


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :

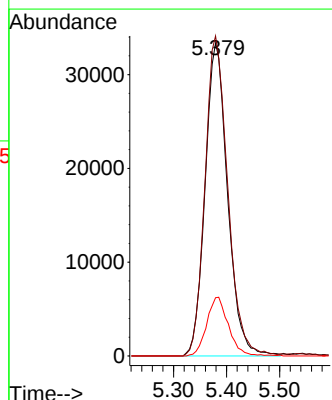
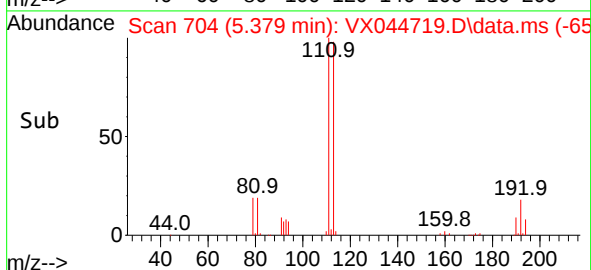
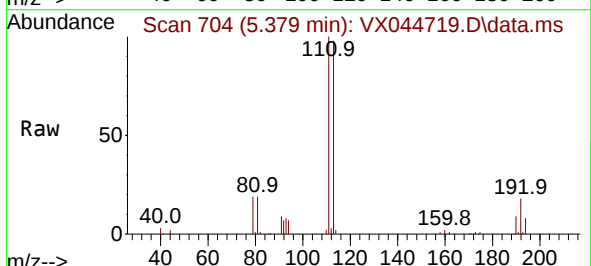


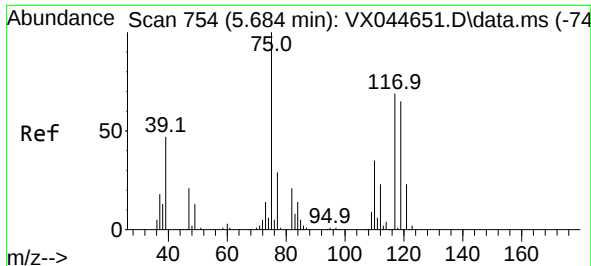
Tgt Ion:114 Resp: 304234
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.0
88 17.2 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.818 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion:113 Resp: 98218
Ion Ratio Lower Upper
113 100
111 103.4 81.6 122.4
192 18.2 14.4 21.6





#36

1,1-Dichloropropene

Concen: 4.674 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.146 min

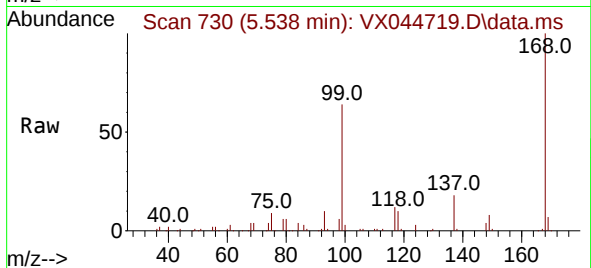
Lab File: VX044719.D

Acq: 27 Jan 2025 13:24

Instrument :

MSVOA_X

ClientSampleId :



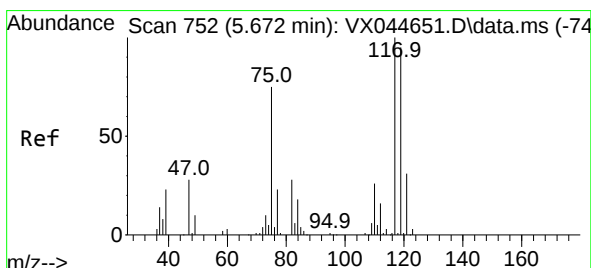
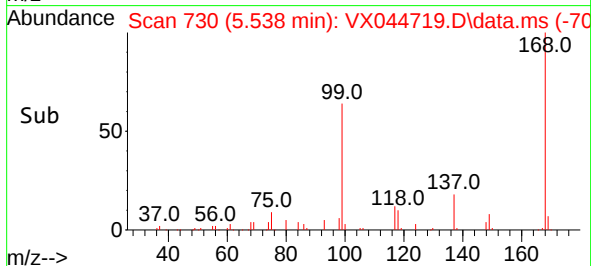
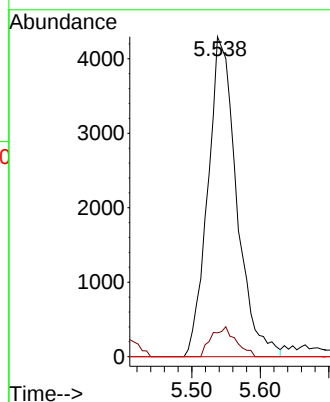
Tgt Ion: 75 Resp: 12575

Ion Ratio Lower Upper

75 100

110 7.9 17.9 53.8#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.116 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX044719.D

Acq: 27 Jan 2025 13:24

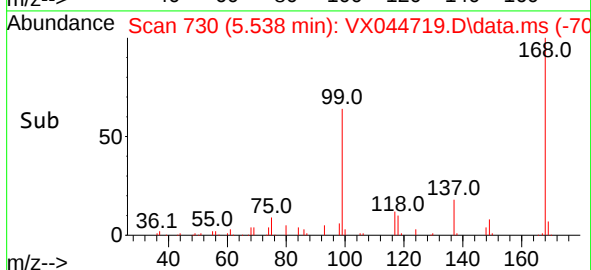
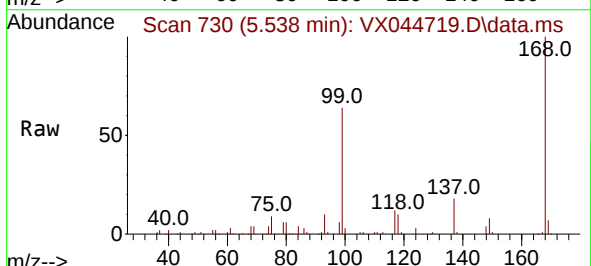
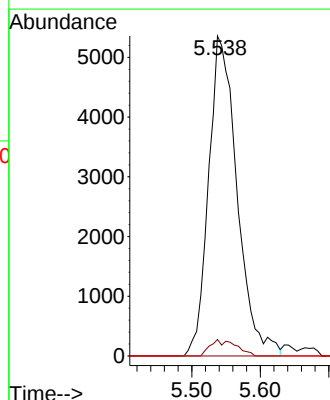
Tgt Ion: 117 Resp: 15482

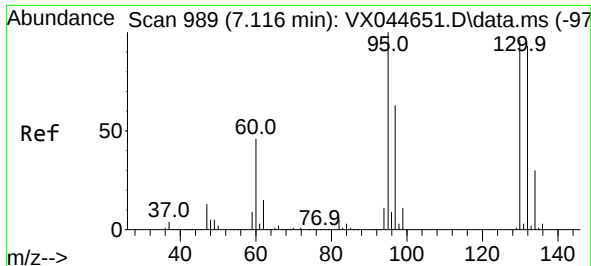
Ion Ratio Lower Upper

117 100

119 5.1 76.0 114.0#

121 0.0 24.6 36.8#

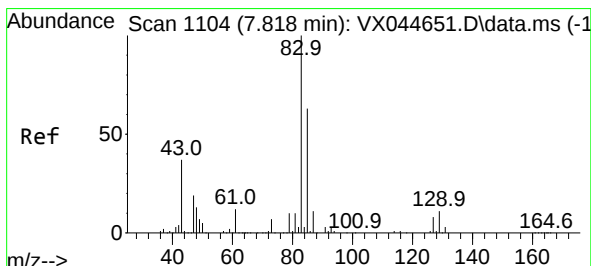
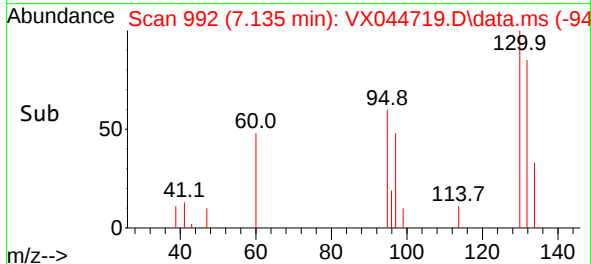
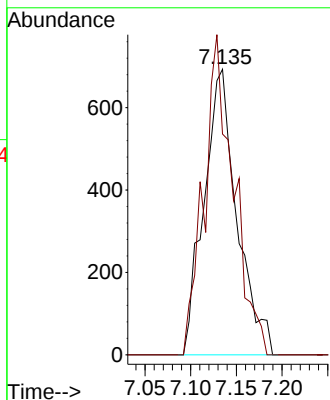
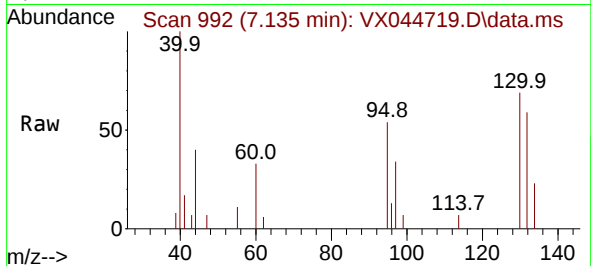




#44
Trichloroethene
Concen: 0.868 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.018 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

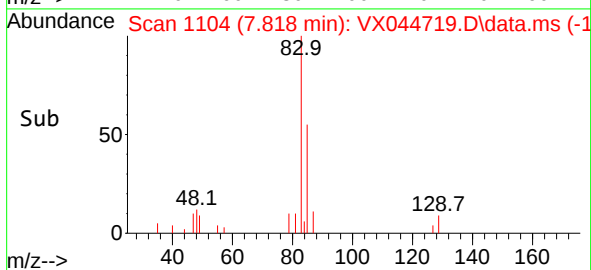
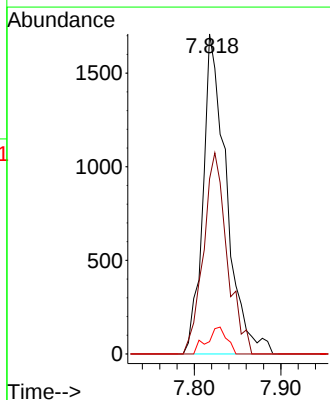
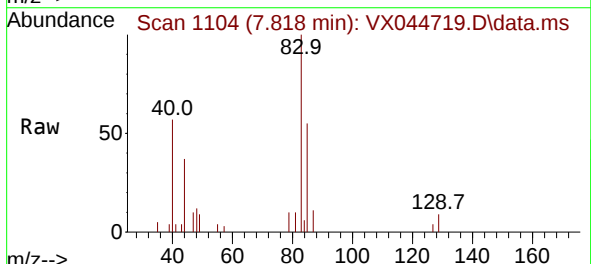
Instrument :
MSVOA_X
ClientSampleId :

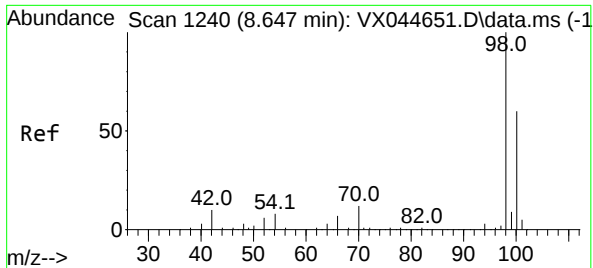
Tgt Ion:130 Resp: 1739
Ion Ratio Lower Upper
130 100
95 77.3 0.0 208.2



#47
Bromodichloromethane
Concen: 0.983 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 83 Resp: 3219
Ion Ratio Lower Upper
83 100
85 54.7 50.1 75.1
127 3.9 6.5 9.7#

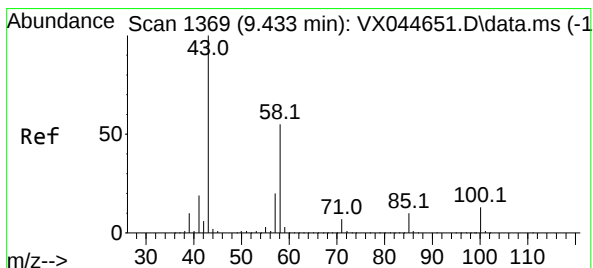
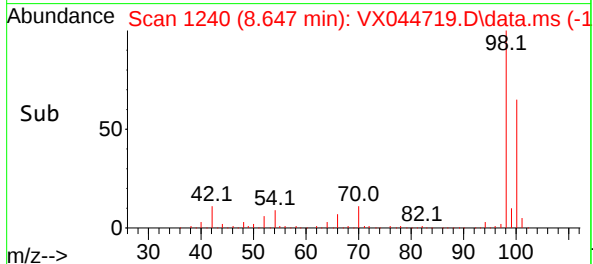
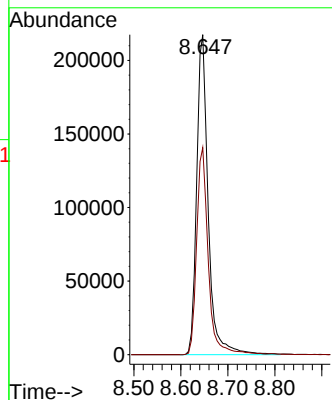
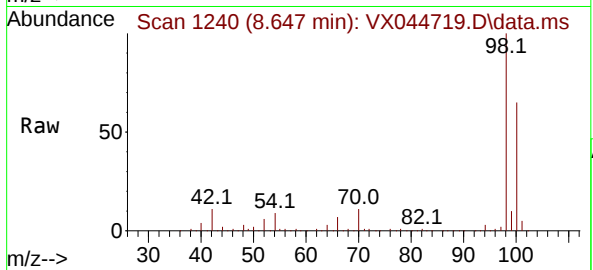




#50
Toluene-d8
Concen: 55.227 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

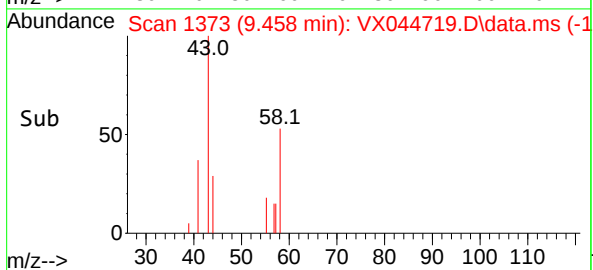
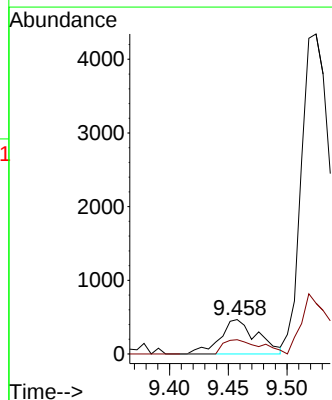
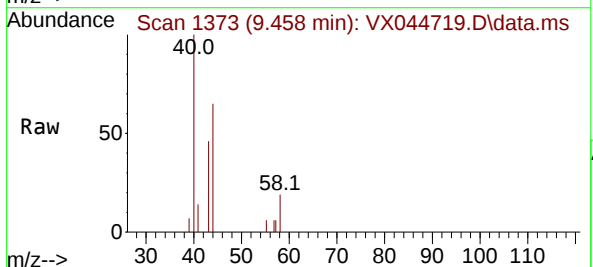
Instrument :
MSVOA_X
ClientSampleId :

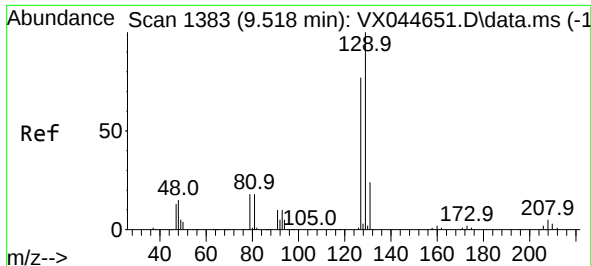
Tgt Ion: 98 Resp: 372179
Ion Ratio Lower Upper
98 100
100 65.1 53.2 79.8



#59
2-Hexanone
Concen: 0.481 ug/l
RT: 9.458 min Scan# 1373
Delta R.T. 0.024 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
58 41.9 27.8 83.3

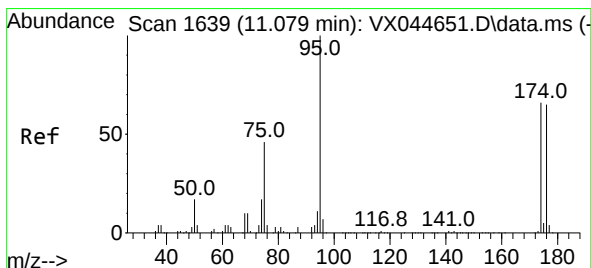
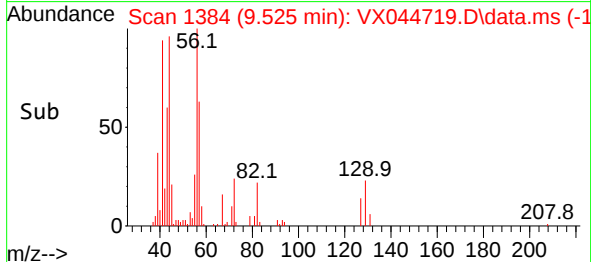
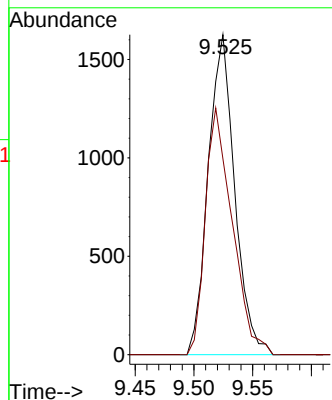
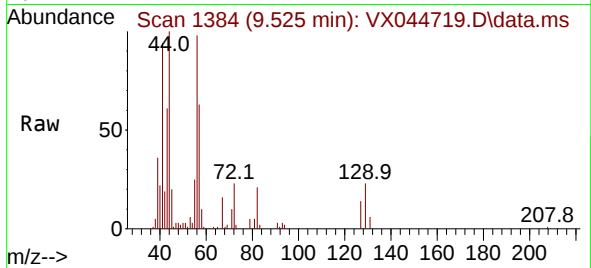




#60
Dibromochloromethane
Concen: 1.054 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

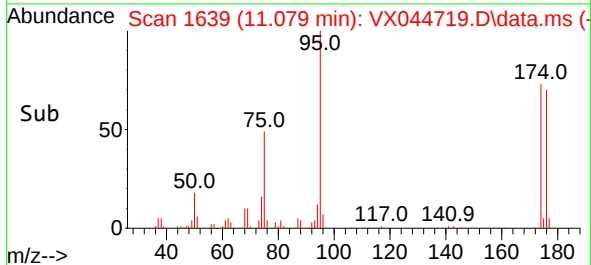
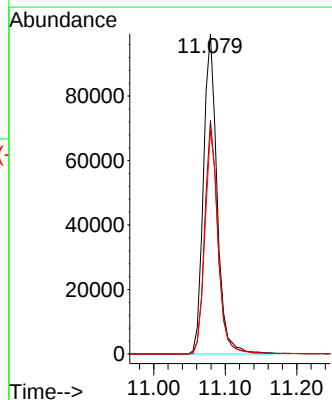
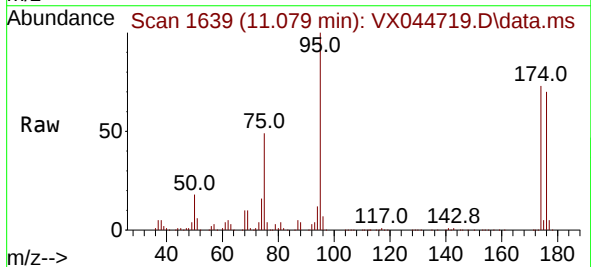
Instrument :
MSVOA_X
ClientSampleId :

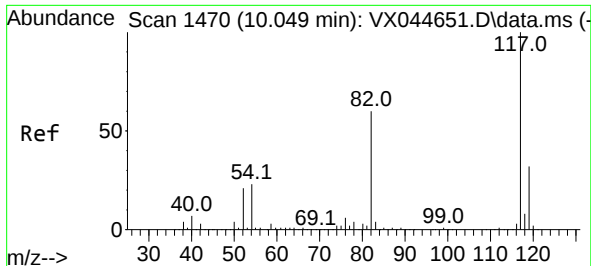
Tgt Ion:129 Resp: 2553
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5



#62
4-Bromofluorobenzene
Concen: 52.391 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 95 Resp: 131621
Ion Ratio Lower Upper
95 100
174 70.6 0.0 133.0
176 68.2 0.0 129.4

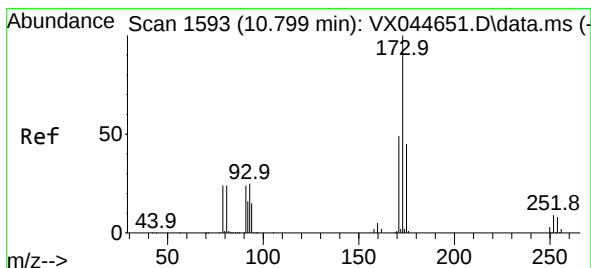
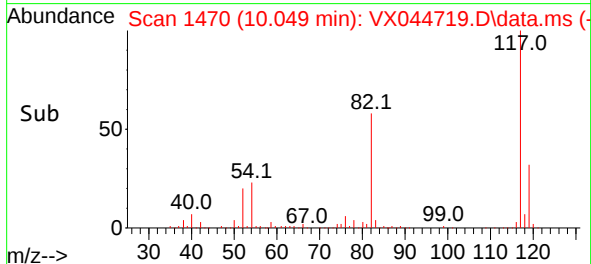
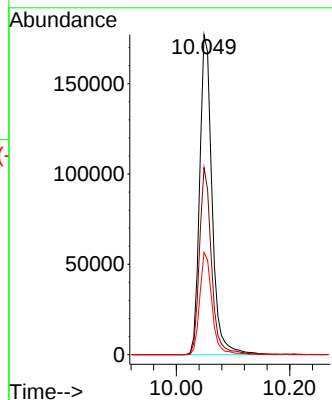
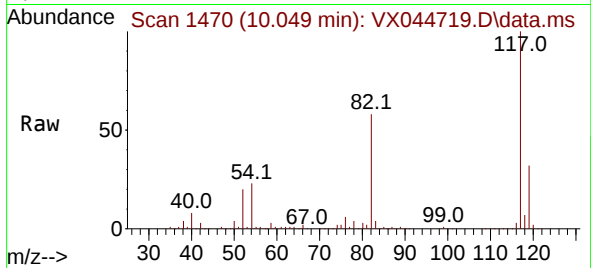




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

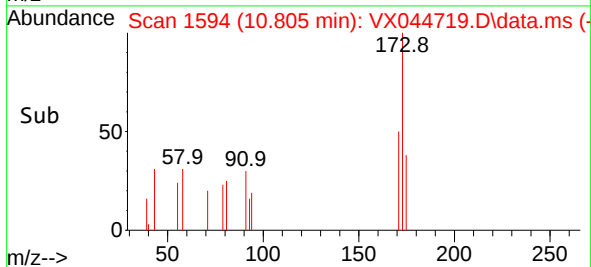
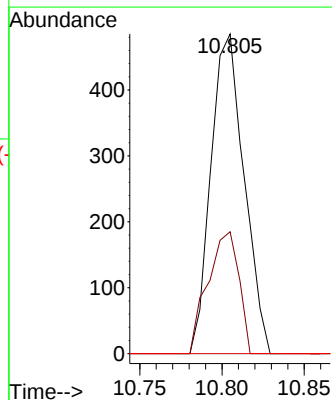
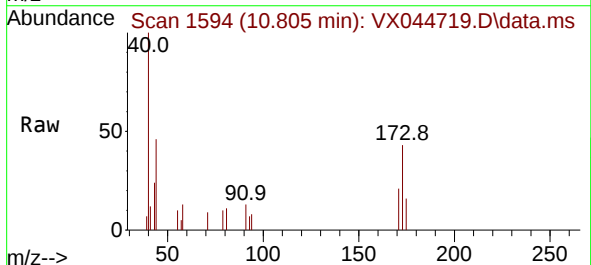
Instrument :
MSVOA_X
ClientSampleId :

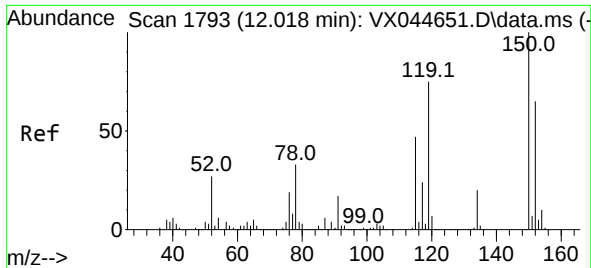
Tgt Ion:117 Resp: 268221
Ion Ratio Lower Upper
117 100
82 58.5 47.6 71.4
119 31.9 25.4 38.2



#71
Bromoform
Concen: 0.403 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion:173 Resp: 679
Ion Ratio Lower Upper
173 100
175 35.6 23.6 70.8
254 0.0 0.1 0.1#

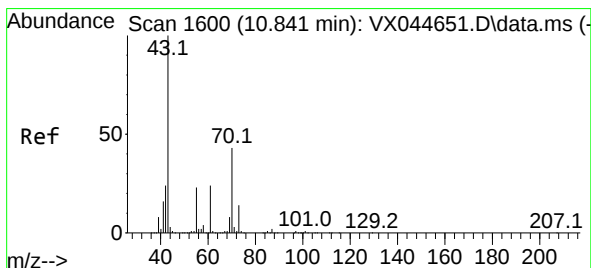
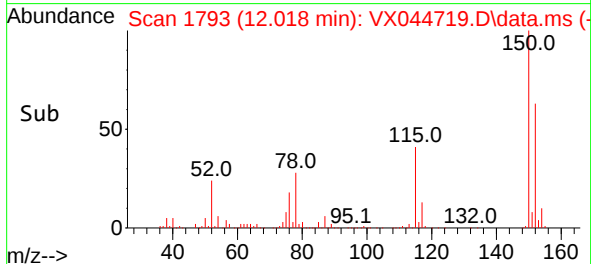
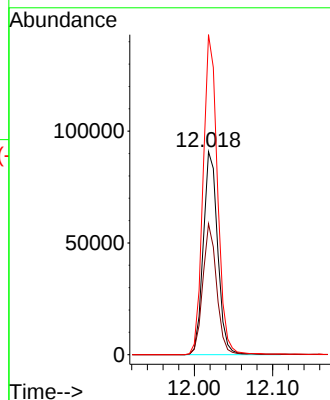
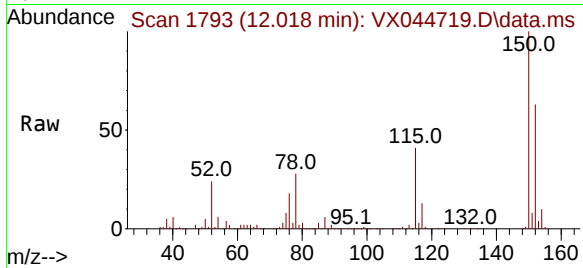




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

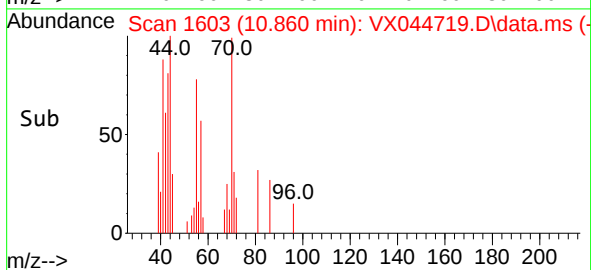
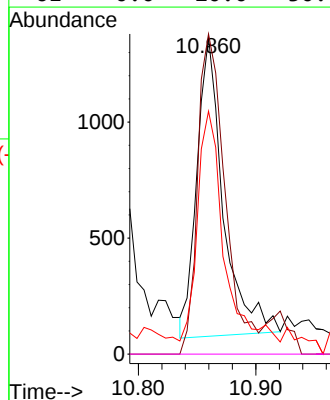
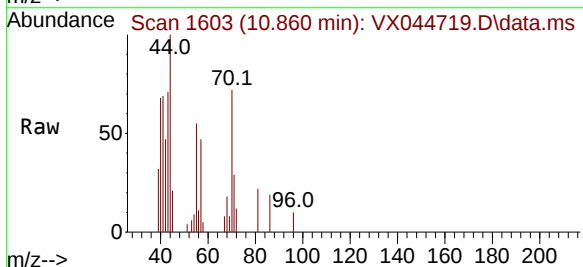
Instrument :
MSVOA_X
ClientSampleId :

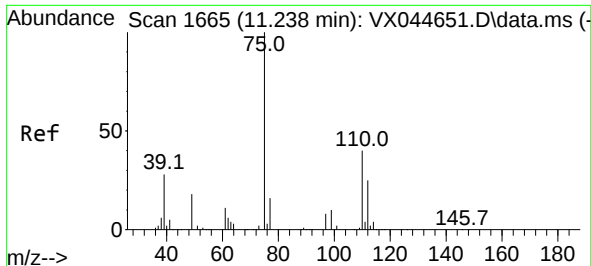
Tgt Ion:152 Resp: 115943
Ion Ratio Lower Upper
152 100
115 62.2 43.8 131.4
150 157.7 0.0 347.8



#74
N-ethyl acetate
Concen: 0.430 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
70 111.4 35.2 52.8#
55 77.1 19.0 28.4#
61 0.0 20.0 30.0#

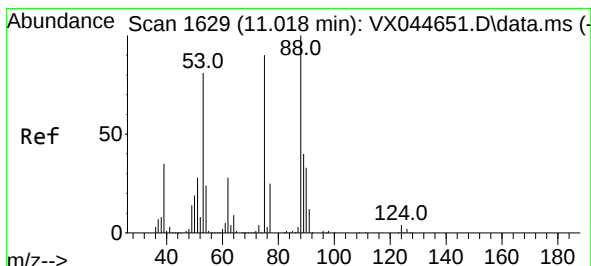
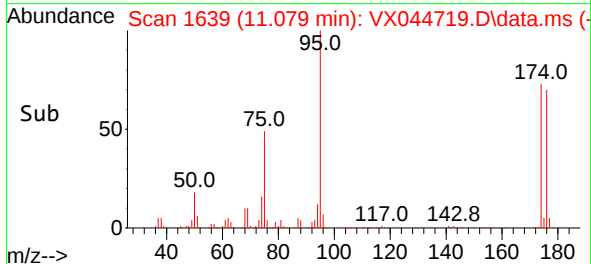
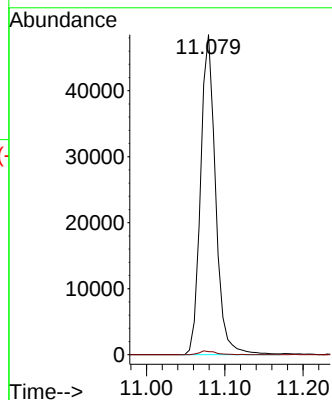
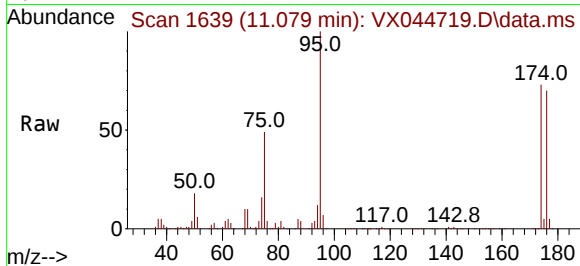




#76
1,2,3-Trichloropropane
Concen: 23.001 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 64719
Ion Ratio Lower Upper
75 100
77 1.3 23.4 70.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.600 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 75 Resp: 64719
Ion Ratio Lower Upper
75 100
53 0.1 74.3 111.5#
89 0.0 37.4 56.0#

