

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
 Data File : VX045832.D
 Acq On : 17 Apr 2025 16:42
 Operator : JC/MD
 Sample : Q1818-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 03:41:16 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)

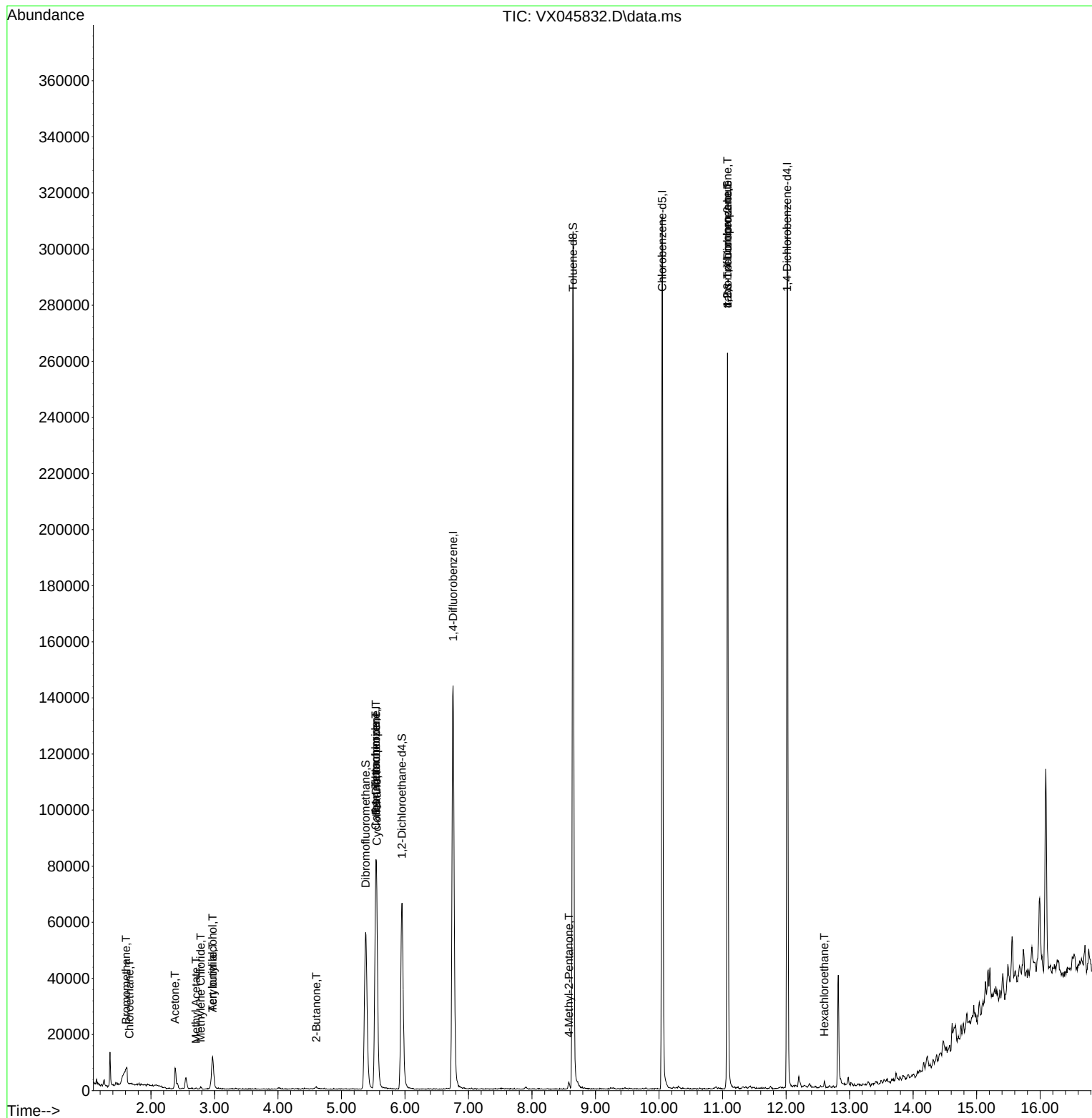
Internal Standards						
1) Pentafluorobenzene	5.544	168	70744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140247	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68297	52.791	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.580%	
35) Dibromofluoromethane	5.379	113	48860	49.103	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.200%	
50) Toluene-d8	8.647	98	173852	50.056	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.120%	
62) 4-Bromofluorobenzene	11.079	95	66564	52.616	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.240%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	100	0.212	ug/l #	3
6) Chloroethane	1.660	64	314	0.595	ug/l #	42
11) Tert butyl alcohol	2.971	59	12926	74.345	ug/l	99
15) Acrylonitrile	2.971	53	172	0.313	ug/l #	8
16) Acetone	2.380	43	8440	15.887	ug/l	99
18) Methyl Acetate	2.709	43	328	0.268	ug/l #	54
20) Methylene Chloride	2.782	84	262	0.263	ug/l #	63
25) 2-Butanone	4.605	43	1133	1.457	ug/l	94
31) Cyclohexane	5.556	56	2063	1.300	ug/l #	45
36) 1,1-Dichloropropene	5.544	75	7166	5.334	ug/l #	50
38) Carbon Tetrachloride	5.537	117	8352	5.752	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	1634	0.961	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	38818	28.632	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	38818	97.174	ug/l #	1
90) Hexachloroethane	12.603	117	890	1.403	ug/l #	19

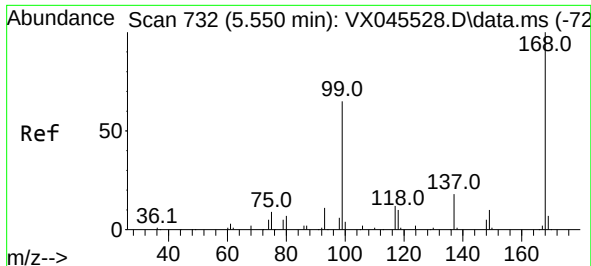
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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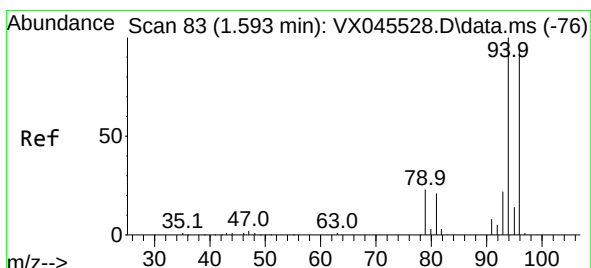
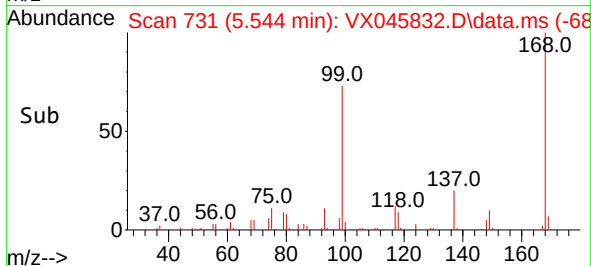
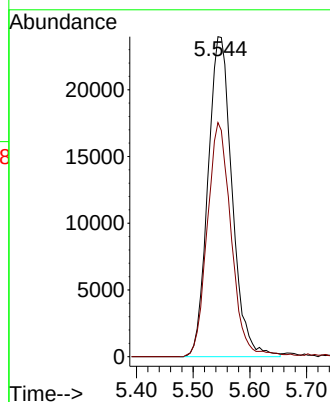
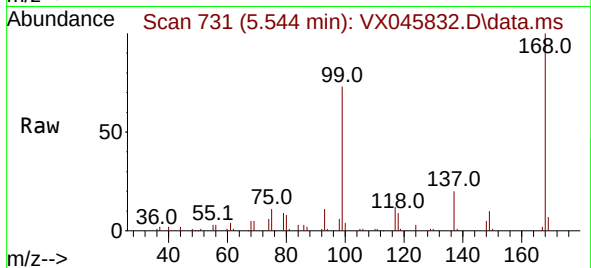




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

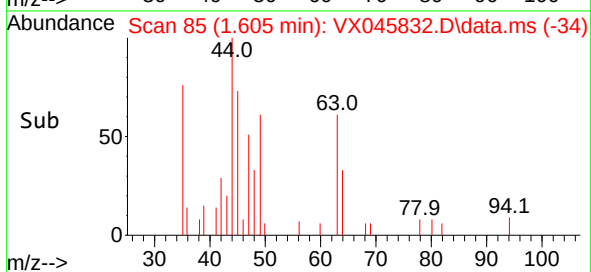
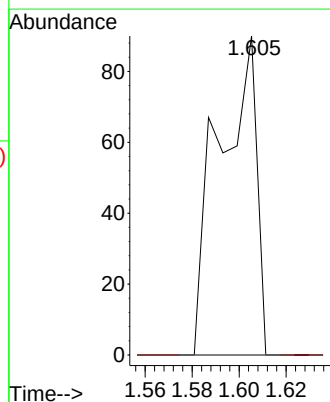
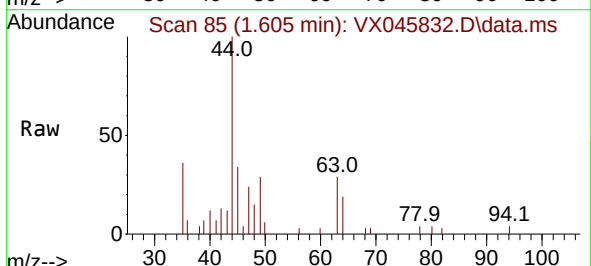
Instrument :
MSVOA_X
ClientSampleId :

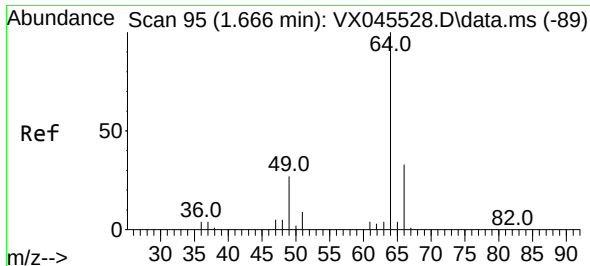
Tgt Ion:168 Resp: 70744
Ion Ratio Lower Upper
168 100
99 73.2 52.3 78.5



#5
Bromomethane
Concen: 0.212 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

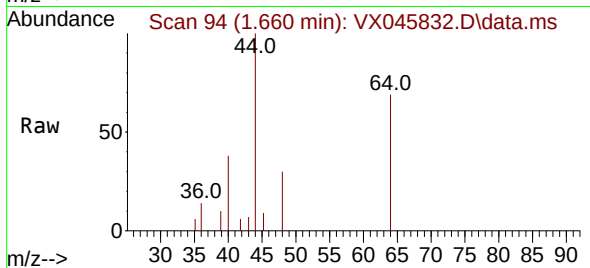
Tgt Ion: 94 Resp: 100
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



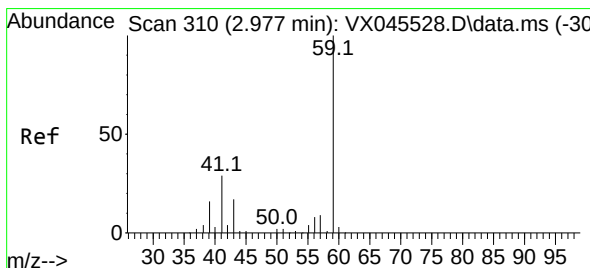
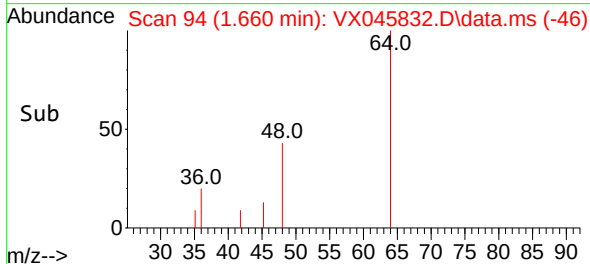
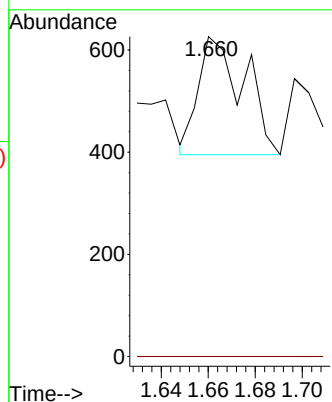


#6
Chloroethane
Concen: 0.595 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :

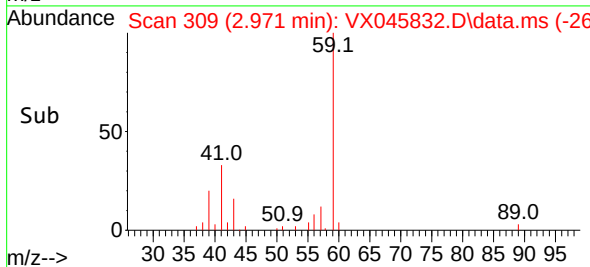
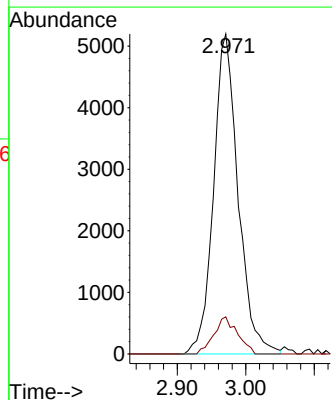
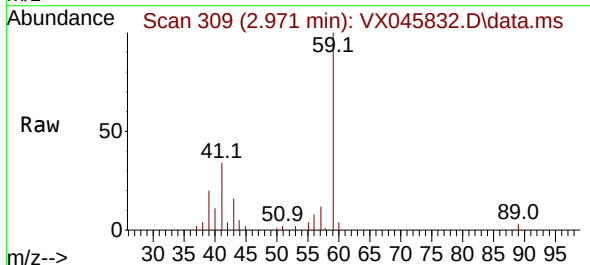


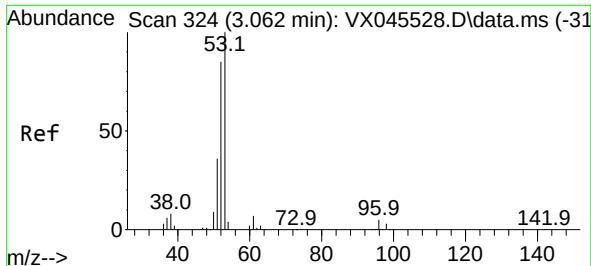
Tgt Ion: 64 Resp: 314
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 74.345 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

Tgt Ion: 59 Resp: 12926
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8





#15

Acrylonitrile

Concen: 0.313 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.092 min

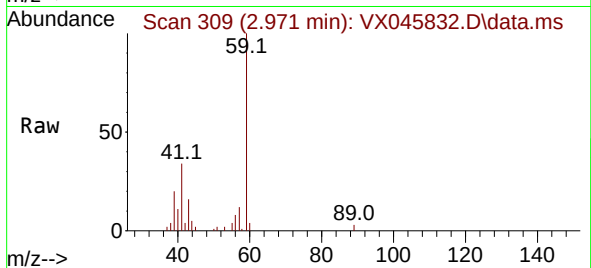
Lab File: VX045832.D

Acq: 17 Apr 2025 16:42

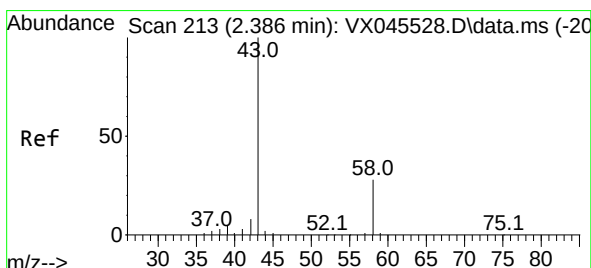
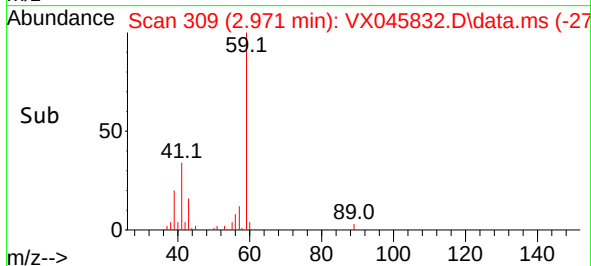
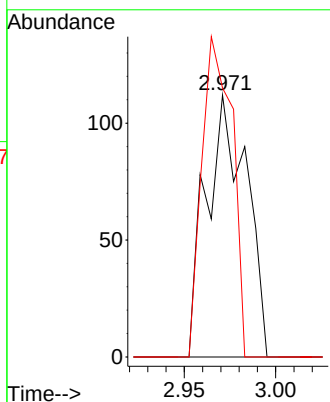
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 53	Resp: 172
Ion Ratio	Lower Upper
53	100
52	0.0 67.4 101.2#
51	91.9 29.9 44.9#



#16

Acetone

Concen: 15.887 ug/l

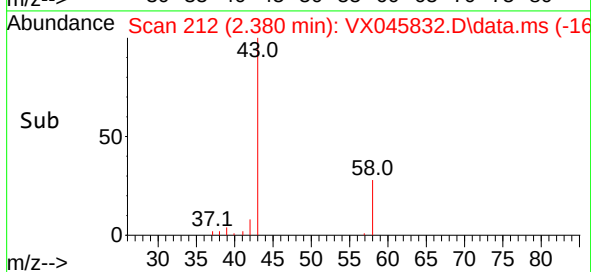
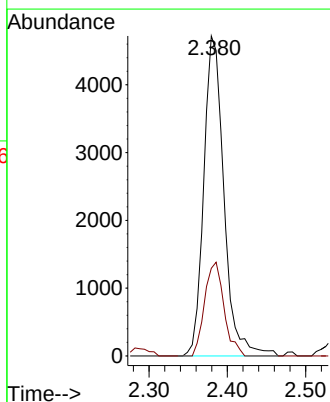
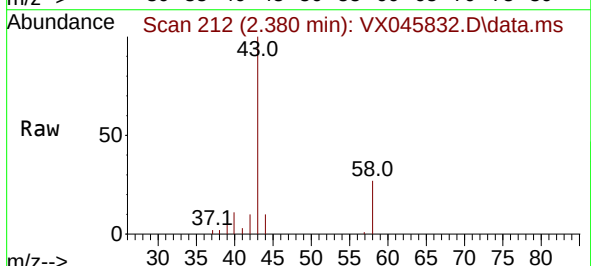
RT: 2.380 min Scan# 212

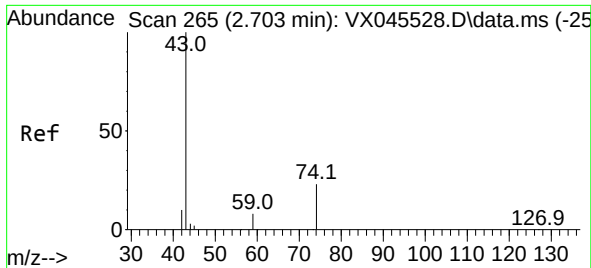
Delta R.T. -0.006 min

Lab File: VX045832.D

Acq: 17 Apr 2025 16:42

Tgt Ion: 43	Resp: 8440
Ion Ratio	Lower Upper
43	100
58	27.4 22.3 33.5

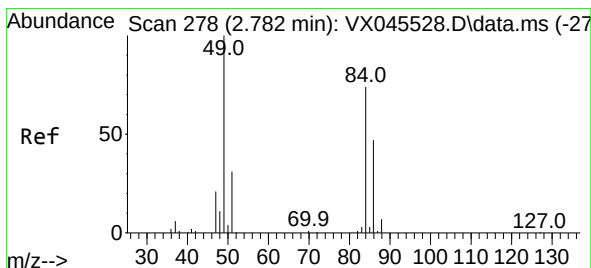
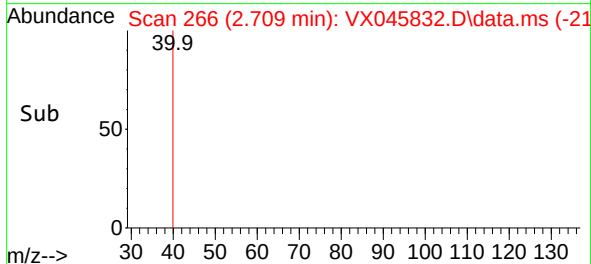
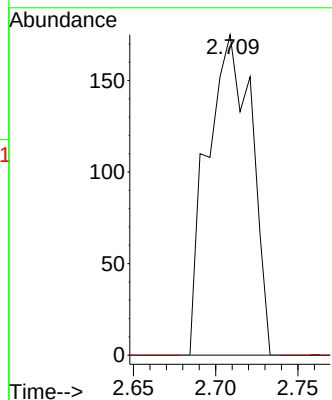
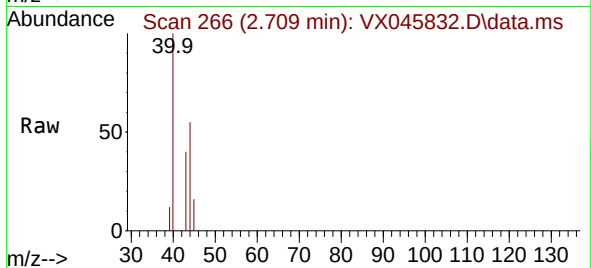




#18
Methyl Acetate
Concen: 0.268 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

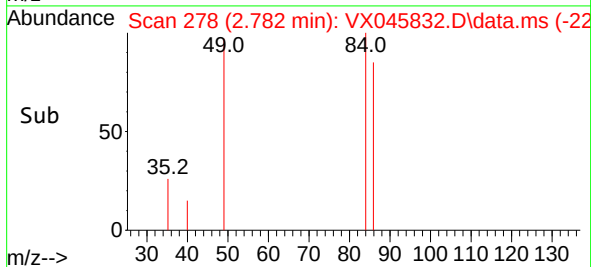
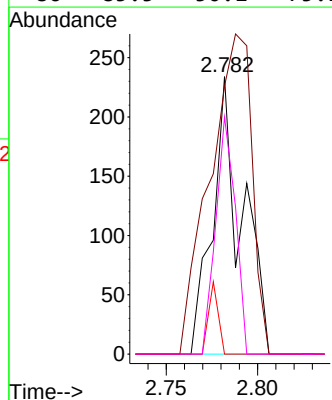
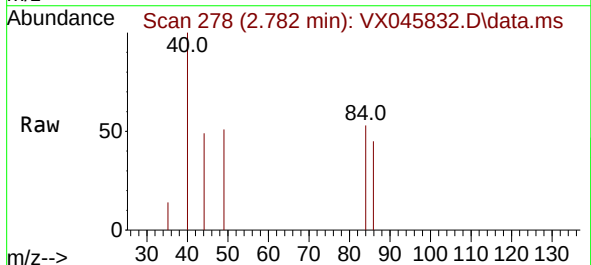
Instrument :
MSVOA_X
ClientSampleId :

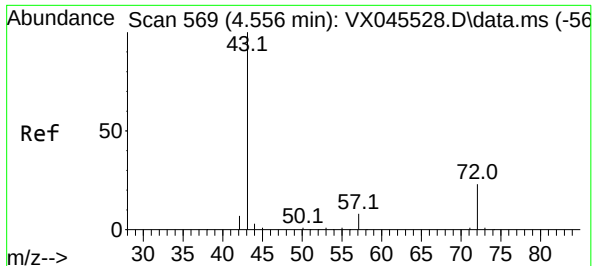
Tgt Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.263 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

Tgt Ion: 84 Resp: 262
Ion Ratio Lower Upper
84 100
49 96.6 107.5 161.3#
51 0.0 33.0 49.6#
86 85.5 50.1 75.1#

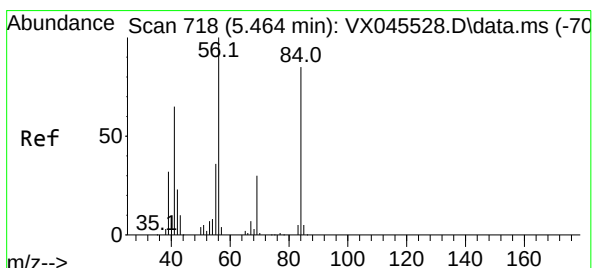
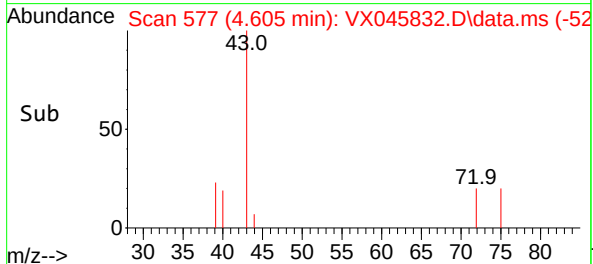
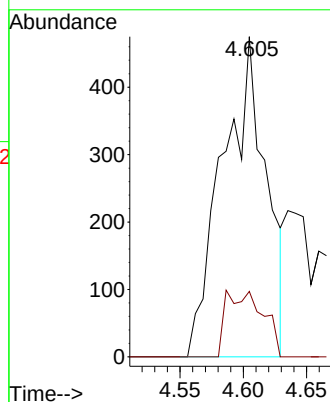
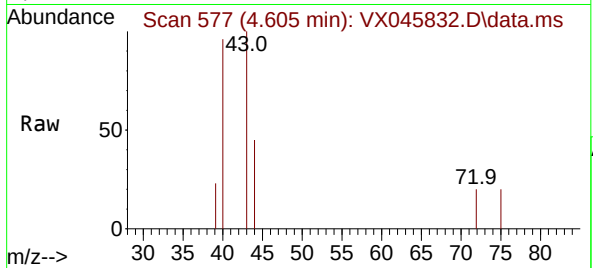




#25
2-Butanone
Concen: 1.457 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

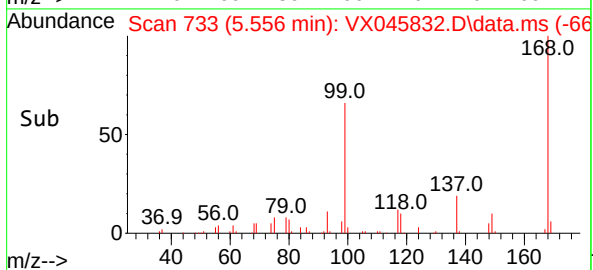
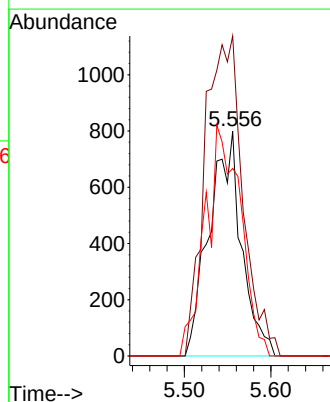
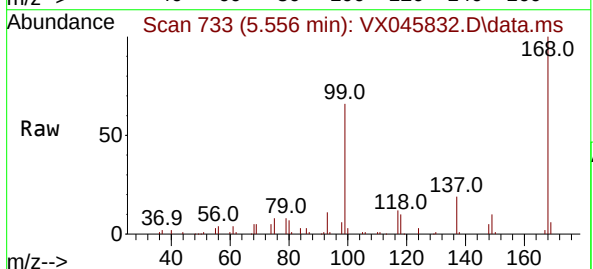
Instrument :
MSVOA_X
ClientSampleId :

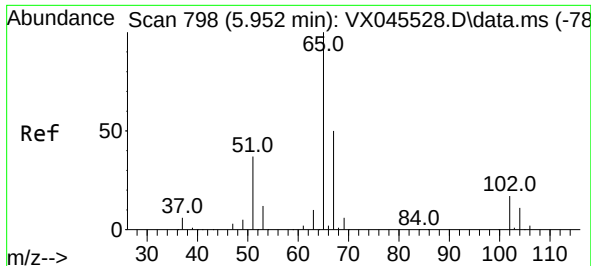
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
72 20.4 18.6 28.0



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

Tgt Ion: 56 Resp: 2063
Ion Ratio Lower Upper
56 100
69 142.4 23.6 35.4#
84 83.5 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 52.791 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045832.D

Acq: 17 Apr 2025 16:42

Instrument :

MSVOA_X

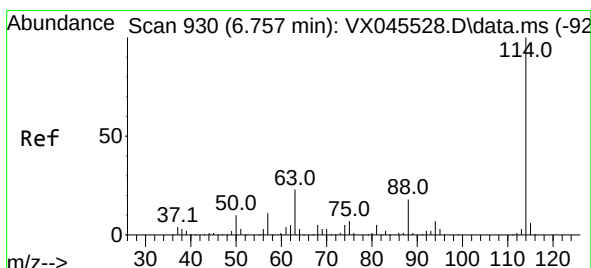
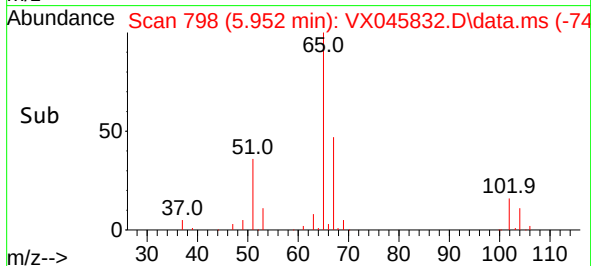
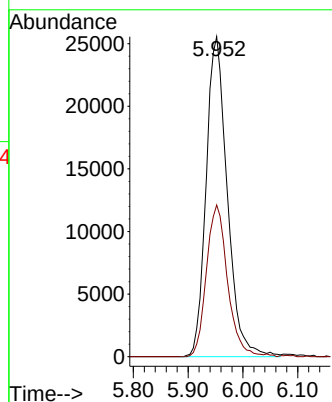
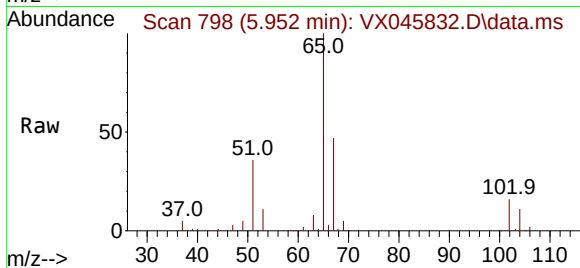
ClientSampleId :

Tgt Ion: 65 Resp: 68297

Ion Ratio Lower Upper

65 100

67 47.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045832.D

Acq: 17 Apr 2025 16:42

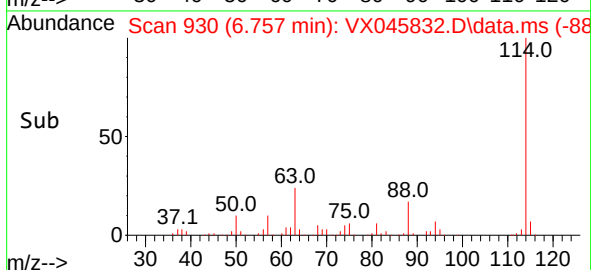
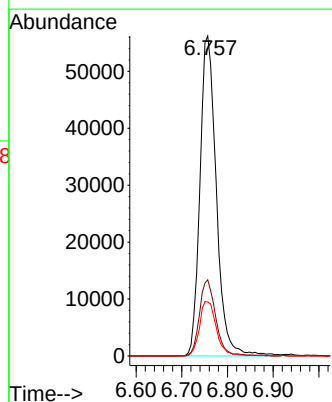
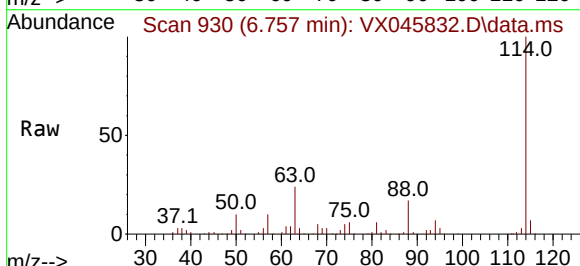
Tgt Ion: 114 Resp: 140247

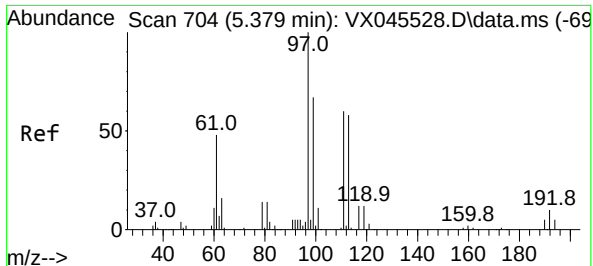
Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.8

88 16.9 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.103 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

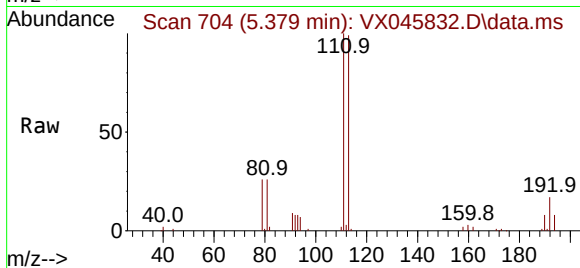
Lab File: VX045832.D

Acq: 17 Apr 2025 16:42

Instrument :

MSVOA_X

ClientSampleId :



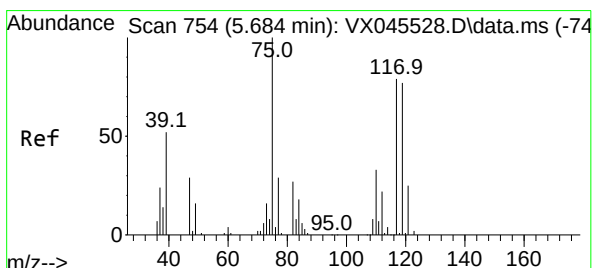
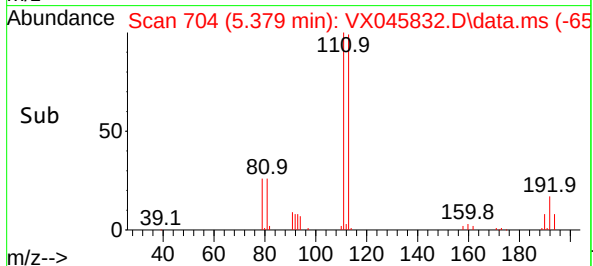
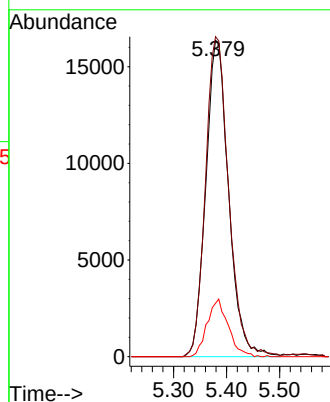
Tgt Ion:113 Resp: 48860

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.6

192 16.8 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.334 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX045832.D

Acq: 17 Apr 2025 16:42

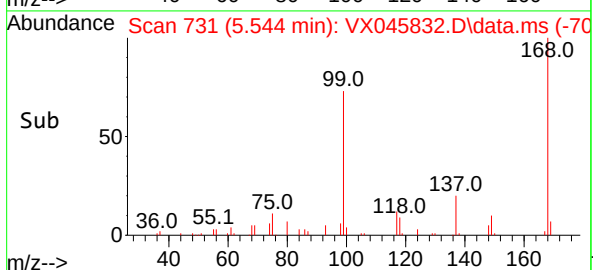
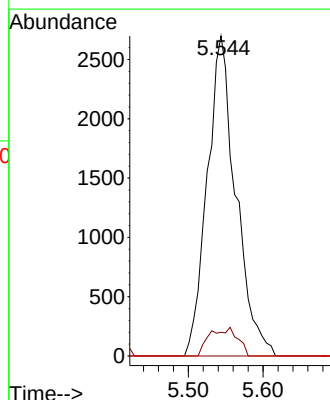
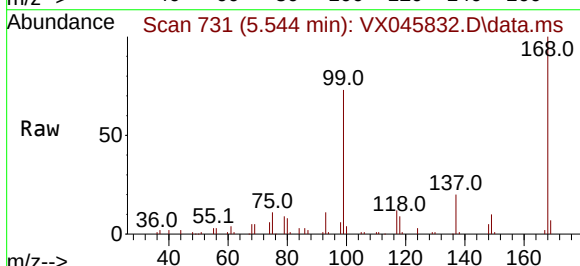
Tgt Ion: 75 Resp: 7166

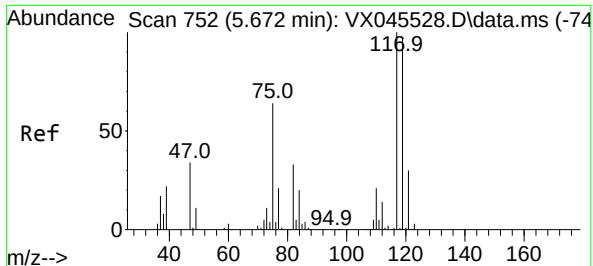
Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

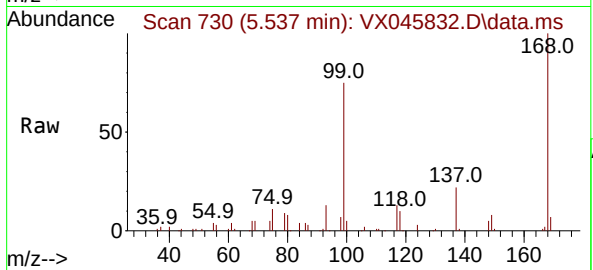
77 0.0 25.0 37.4#



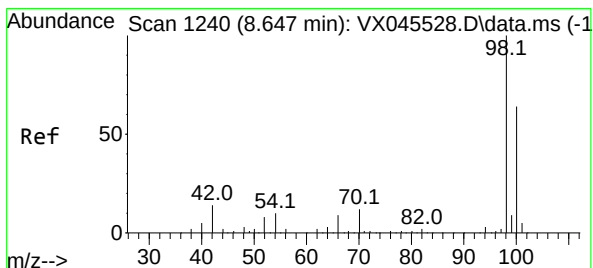
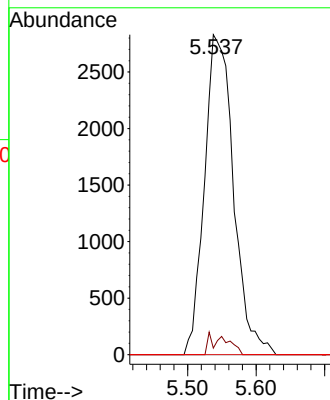
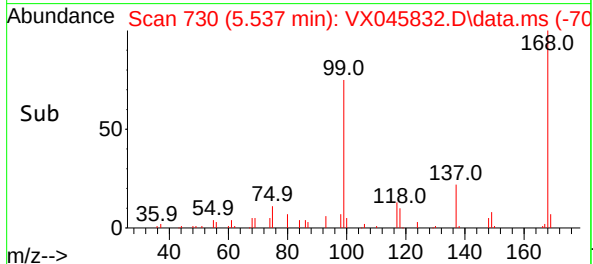


#38
Carbon Tetrachloride
Concen: 5.752 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :

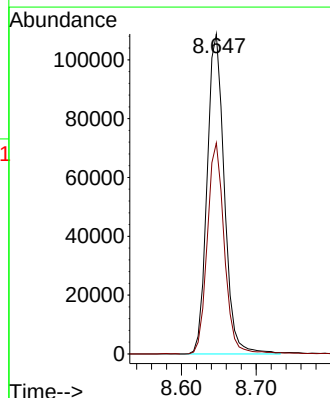
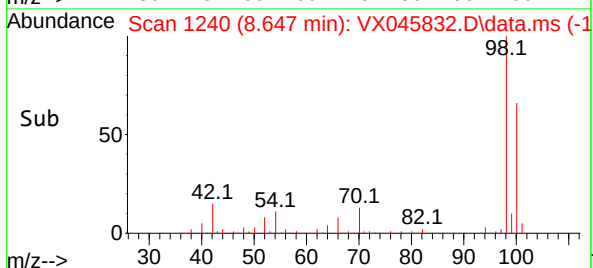
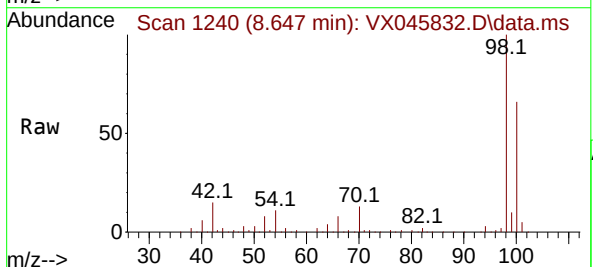


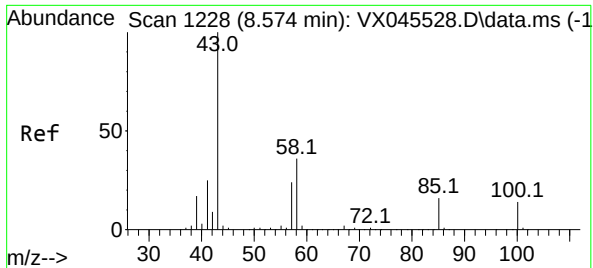
Tgt Ion:117 Resp: 8352
Ion Ratio Lower Upper
117 100
119 2.0 76.9 115.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.056 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

Tgt Ion: 98 Resp: 173852
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4

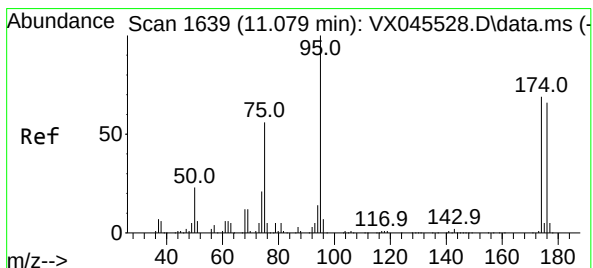
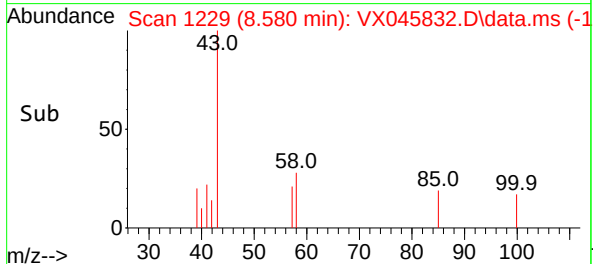
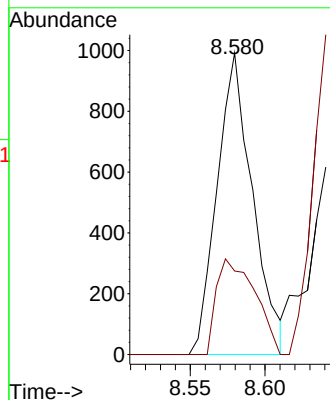
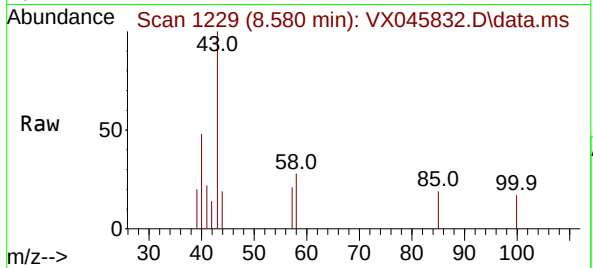




#51
4-Methyl-2-Pentanone
Concen: 0.961 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

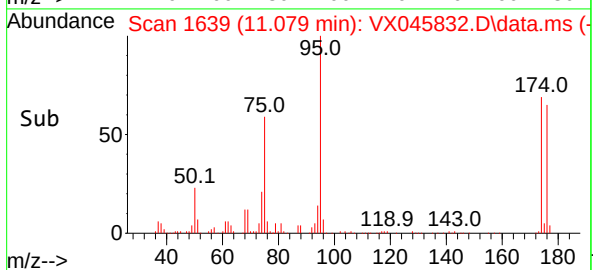
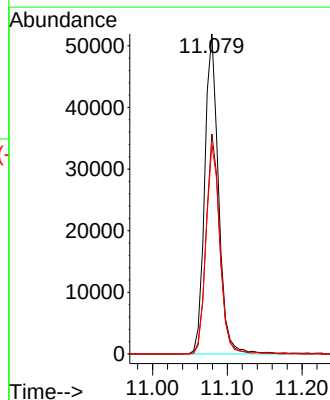
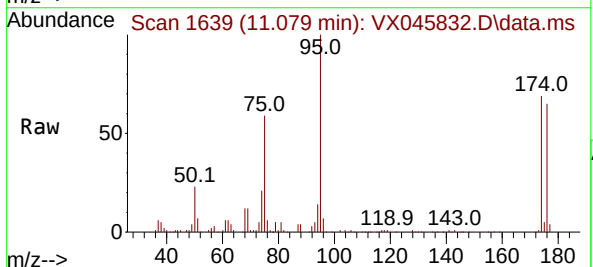
Instrument :
MSVOA_X
ClientSampleId :

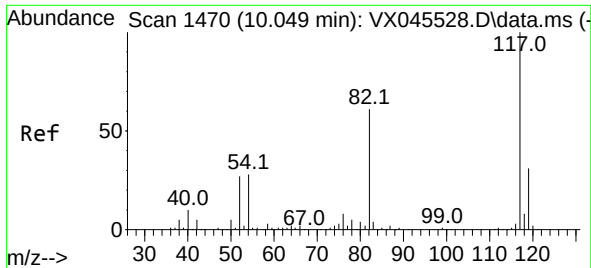
Tgt Ion: 43 Resp: 1634
Ion Ratio Lower Upper
43 100
58 34.6 28.5 42.7



#62
4-Bromofluorobenzene
Concen: 52.616 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

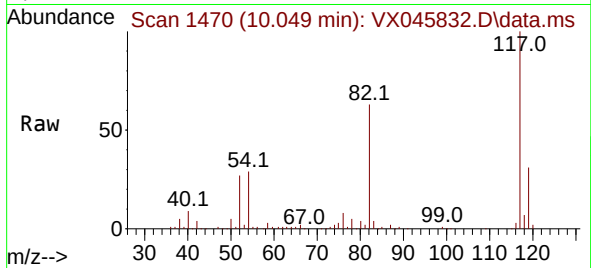
Tgt Ion: 95 Resp: 66564
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.8
176 66.1 0.0 131.4



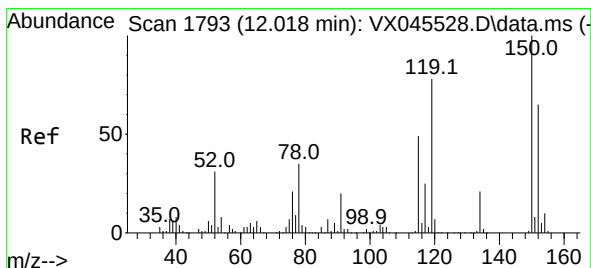
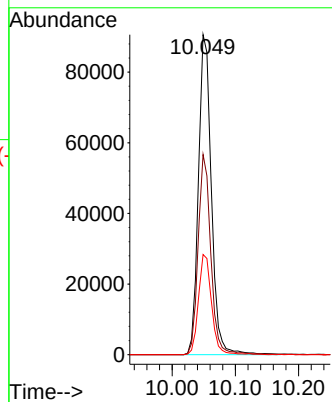
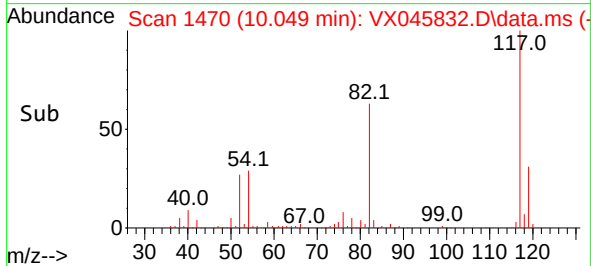


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :

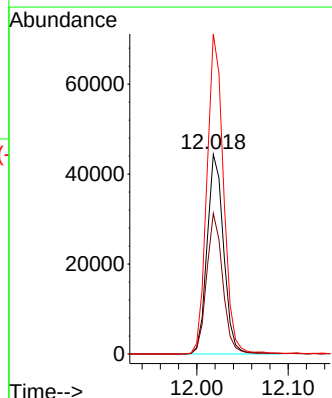
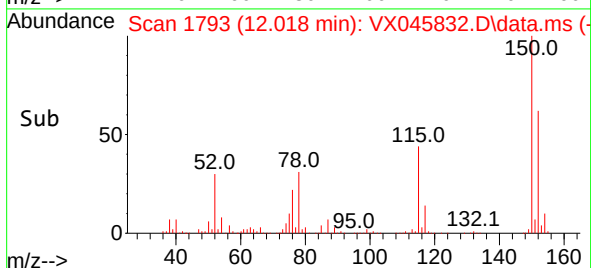
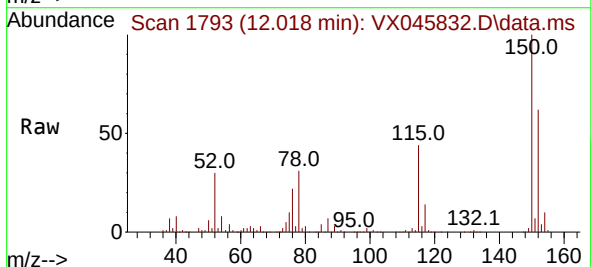


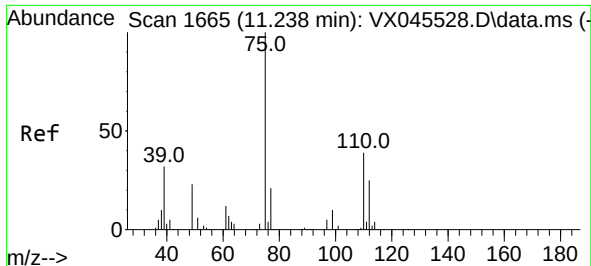
Tgt Ion:117 Resp: 129445
Ion Ratio Lower Upper
117 100
82 62.5 49.2 73.8
119 31.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

Tgt Ion:152 Resp: 55581
Ion Ratio Lower Upper
152 100
115 68.5 46.9 140.7
150 160.9 0.0 349.4

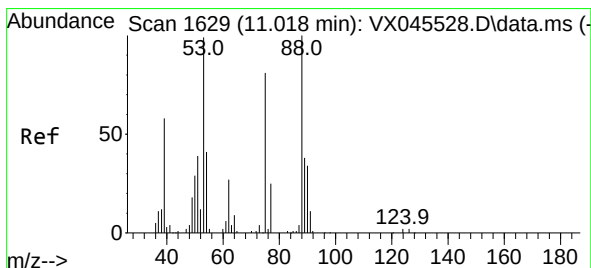
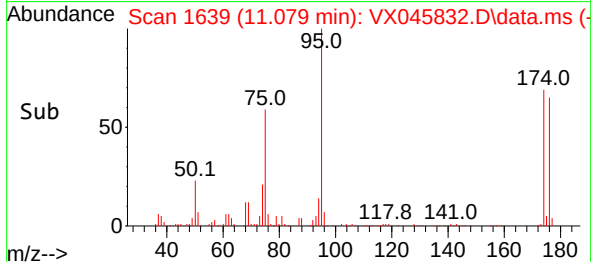
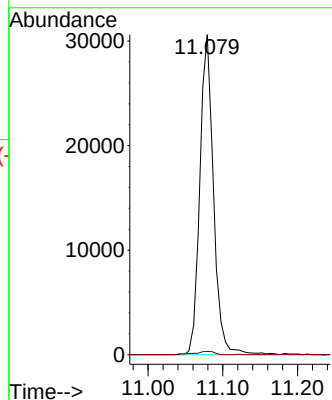
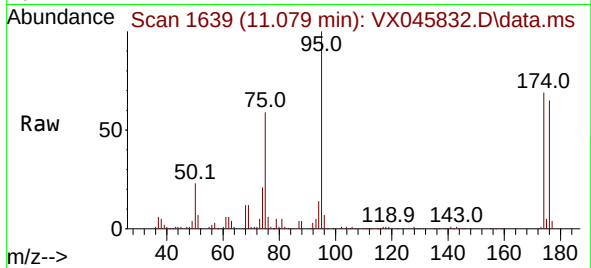




#76
1,2,3-Trichloropropane
Concen: 28.632 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

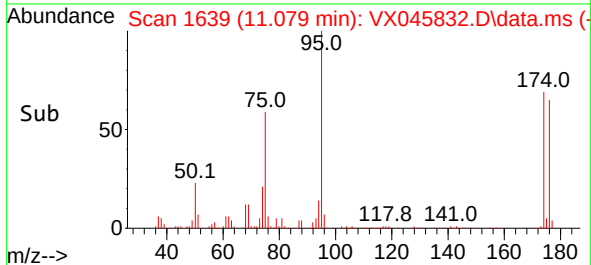
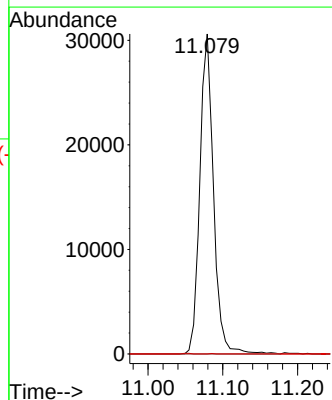
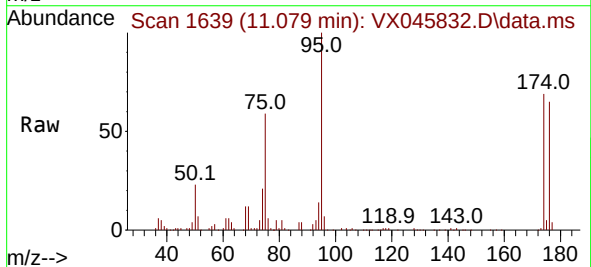
Instrument :
MSVOA_X
ClientSampleId :

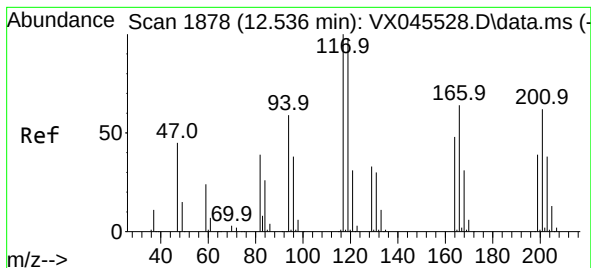
Tgt Ion: 75 Resp: 38818
Ion Ratio Lower Upper
75 100
77 1.5 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045832.D
Acq: 17 Apr 2025 16:42

Tgt Ion: 75 Resp: 38818
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#90

Hexachloroethane

Concen: 1.403 ug/l

RT: 12.603 min Scan# 11

Delta R.T. 0.067 min

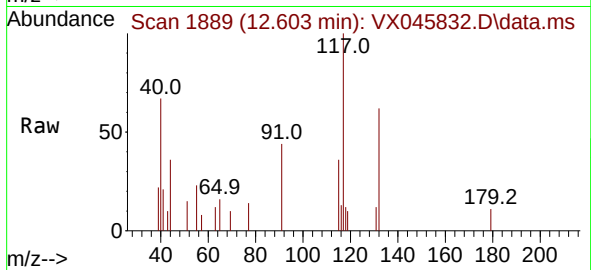
Lab File: VX045832.D

Acq: 17 Apr 2025 16:42

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:117 Resp: 890

Ion Ratio Lower Upper

117 100

201 0.0 31.2 93.6#

