

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
 Data File : VX045003.D
 Acq On : 19 Feb 2025 13:41
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 20 02:37:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

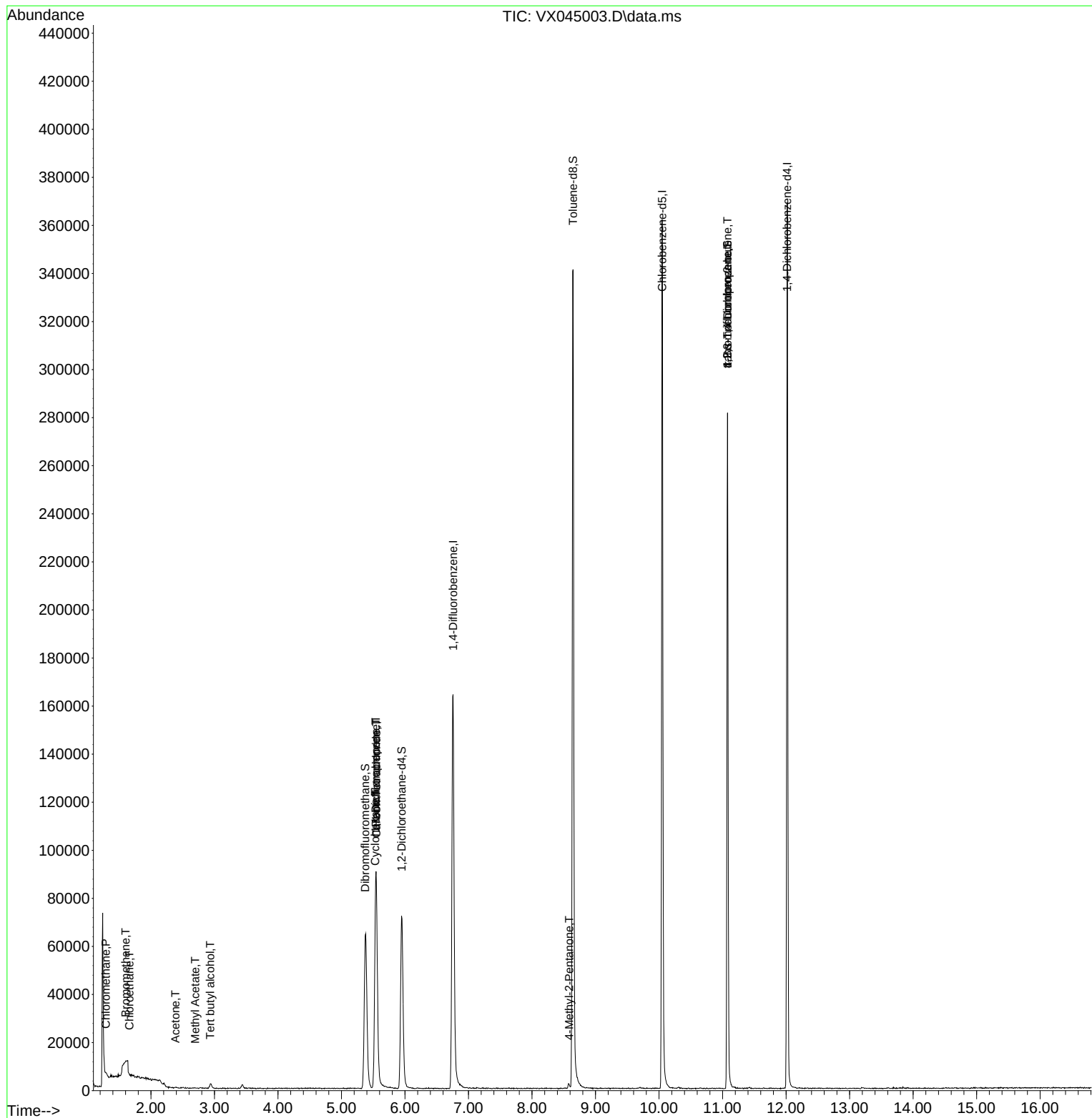
Internal Standards						
1) Pentafluorobenzene	5.544	168	85475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172782	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	158743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	69385	55.455	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.900%			
35) Dibromofluoromethane	5.373	113	57578	51.255	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.500%			
50) Toluene-d8	8.647	98	217486	51.198	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.079	95	75785	52.920	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.840%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	360	0.247	ug/l #	42
5) Bromomethane	1.599	94	139	0.329	ug/l #	51
6) Chloroethane	1.660	64	1664	3.787	ug/l #	46
11) Tert butyl alcohol	2.934	59	1095	4.717	ug/l #	73
16) Acetone	2.386	43	285	0.567	ug/l #	42
18) Methyl Acetate	2.697	43	323	0.203	ug/l #	52
31) Cyclohexane	5.531	56	2176	1.120	ug/l #	20
36) 1,1-Dichloropropene	5.537	75	7529	4.645	ug/l #	47
38) Carbon Tetrachloride	5.550	117	9051	5.699	ug/l #	14
51) 4-Methyl-2-Pentanone	8.586	43	1613	0.911	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	40180	25.522	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	40180	65.651	ug/l #	11

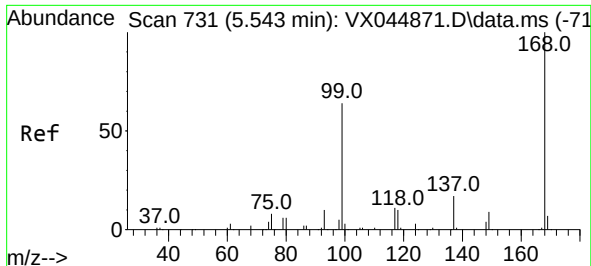
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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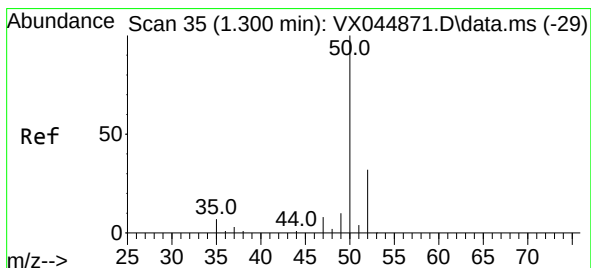
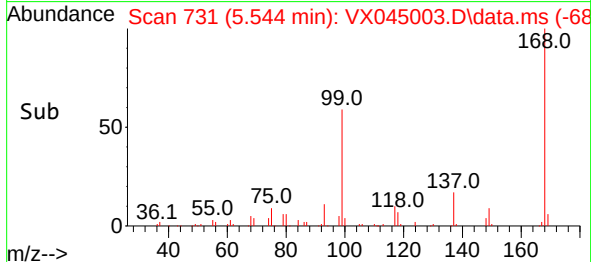
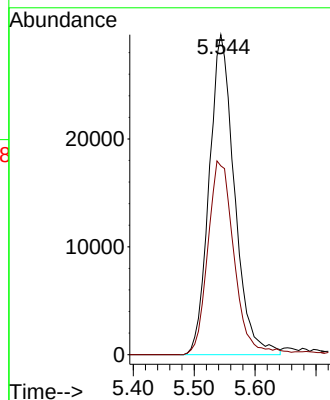
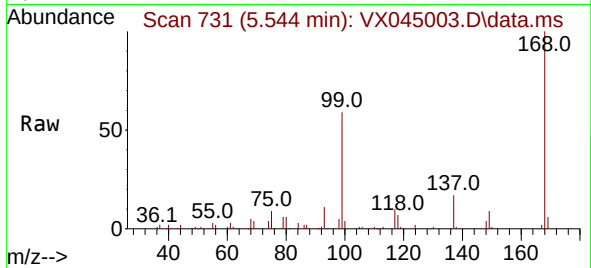




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

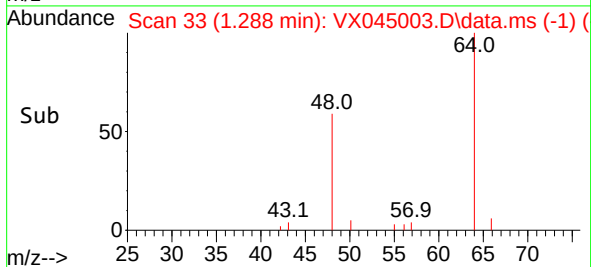
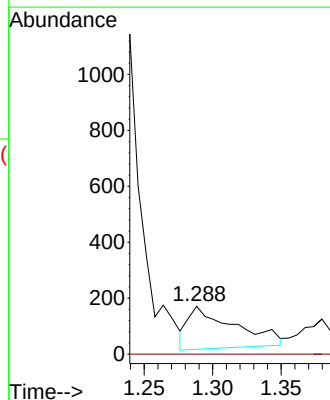
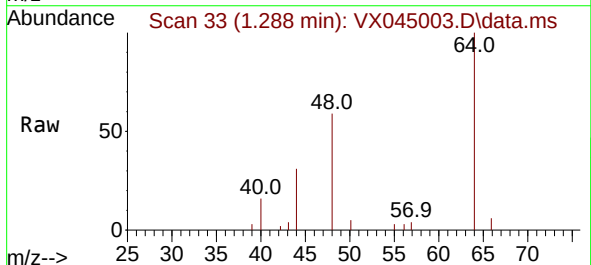
Instrument :
MSVOA_X
ClientSampleId :

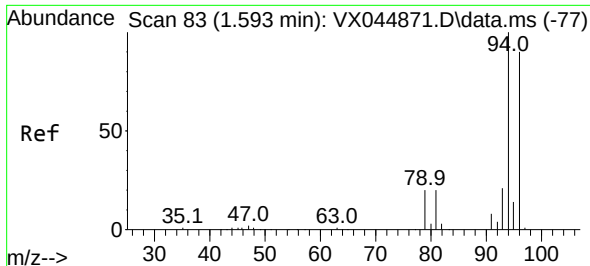
Tgt Ion:168 Resp: 85475
Ion Ratio Lower Upper
168 100
99 59.0 51.2 76.8



#3
Chloromethane
Concen: 0.247 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Tgt Ion: 50 Resp: 360
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

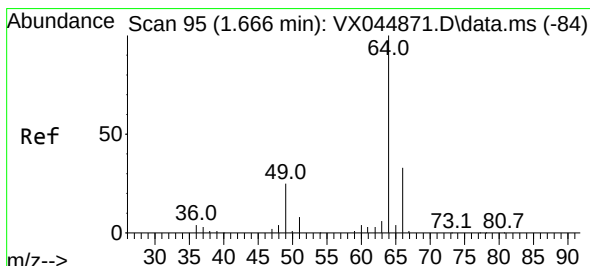
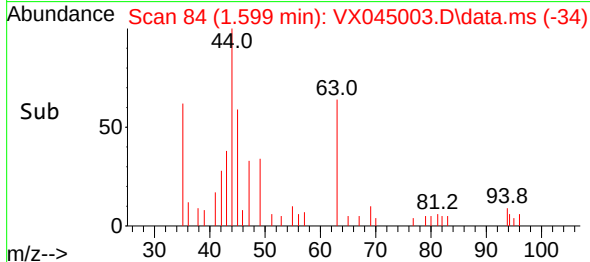
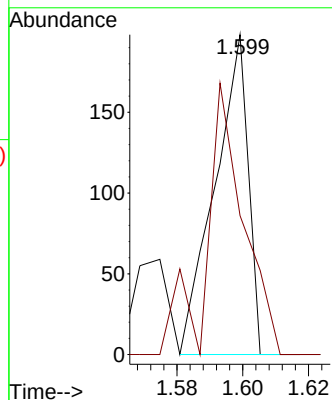
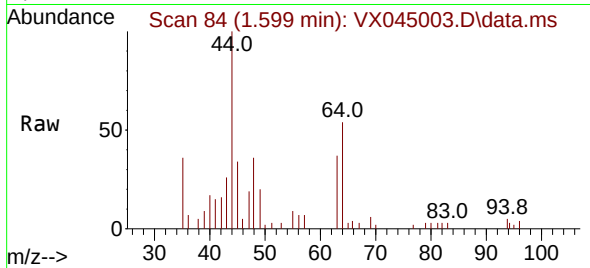




#5
Bromomethane
Concen: 0.329 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

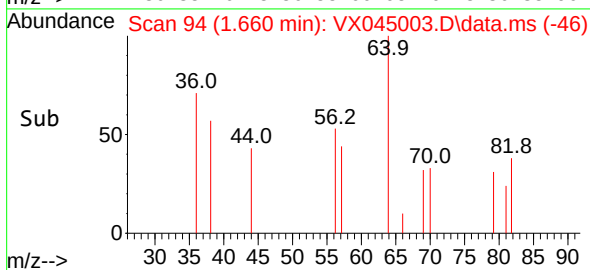
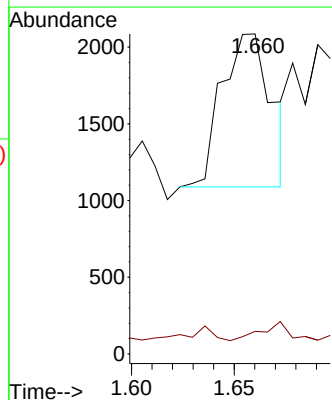
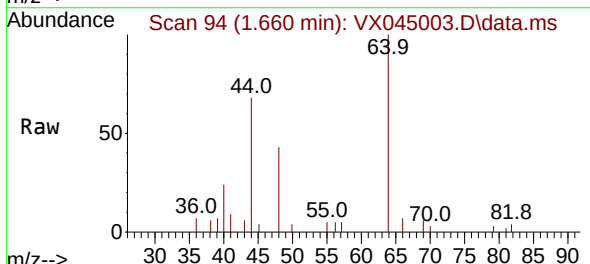
Instrument :
MSVOA_X
ClientSampleId :

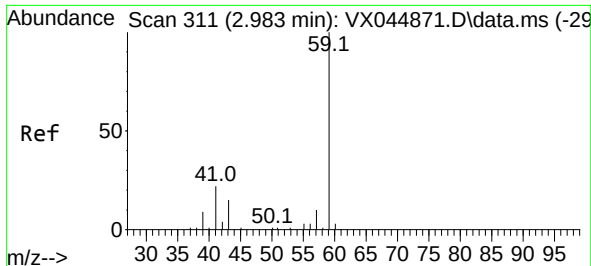
Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 43.4 71.6 107.4#



#6
Chloroethane
Concen: 3.787 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Tgt Ion: 64 Resp: 1664
Ion Ratio Lower Upper
64 100
66 2.1 25.9 38.9#

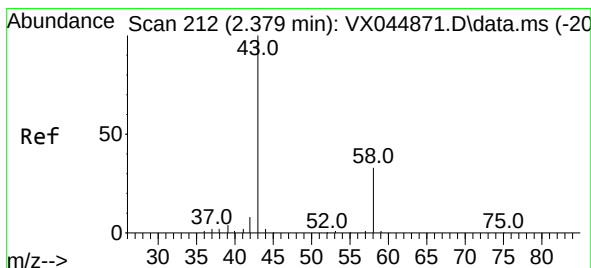
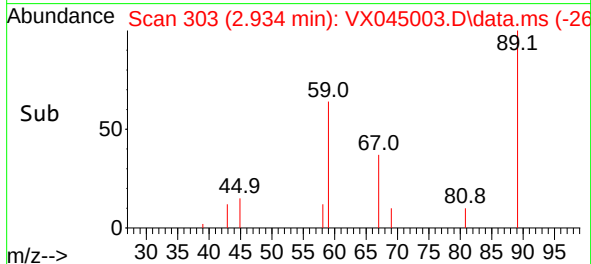
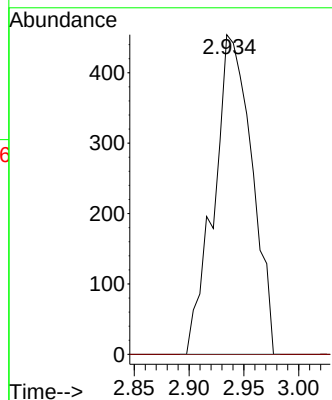
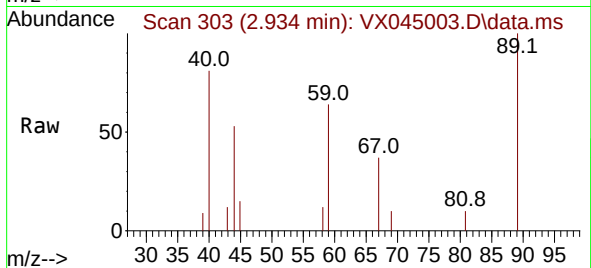




#11
Tert butyl alcohol
Concen: 4.717 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

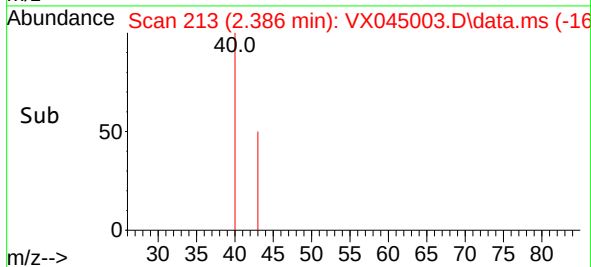
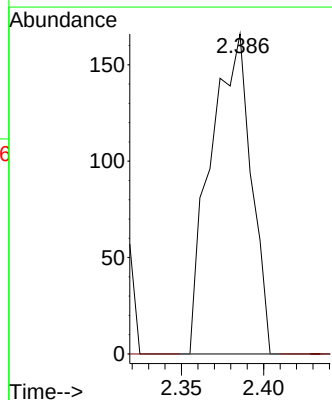
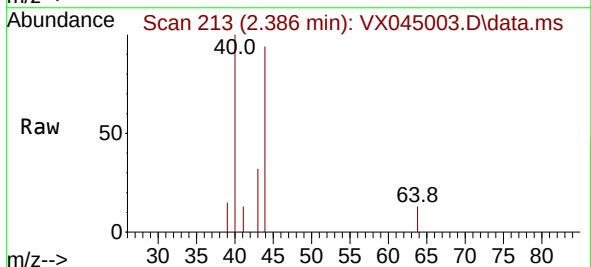
Instrument :
MSVOA_X
ClientSampleId :

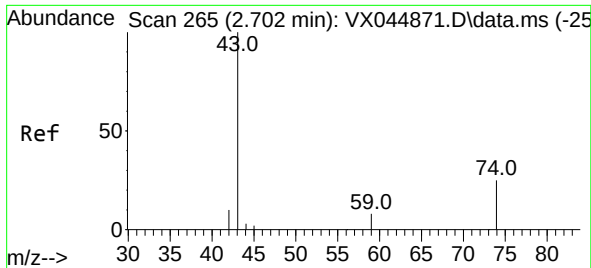
Tgt Ion: 59 Resp: 1095
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 0.567 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

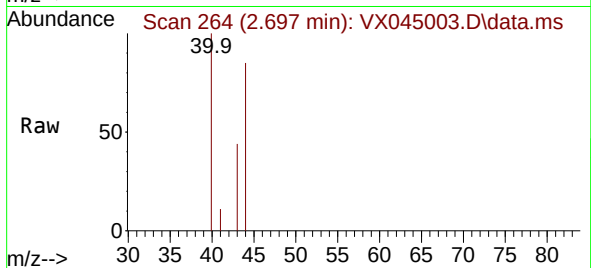
Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
58 0.0 26.5 39.7#



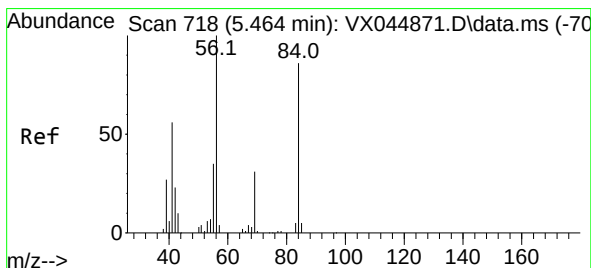
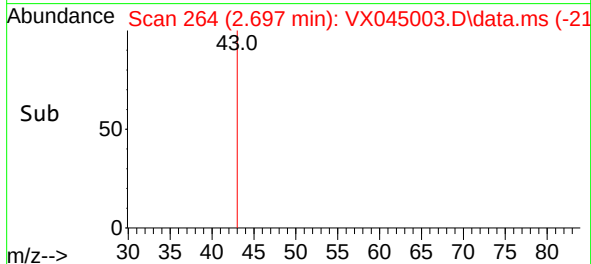
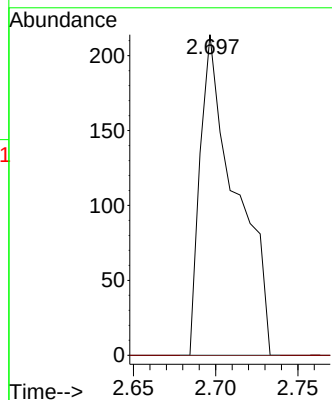


#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 2.697 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :

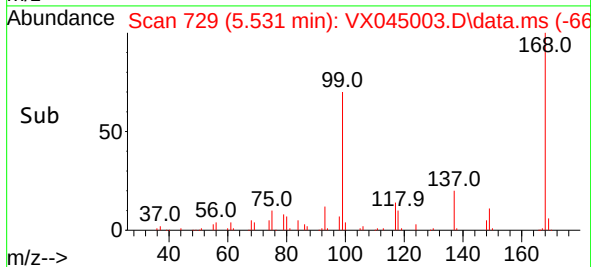
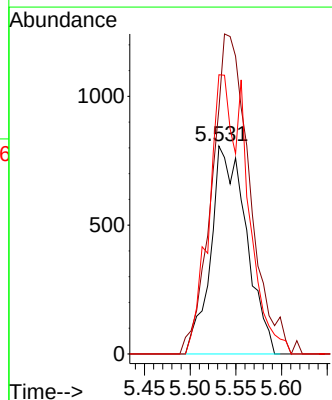
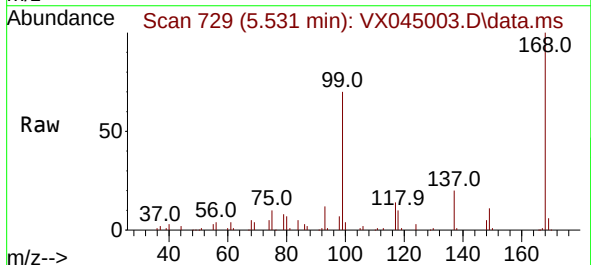


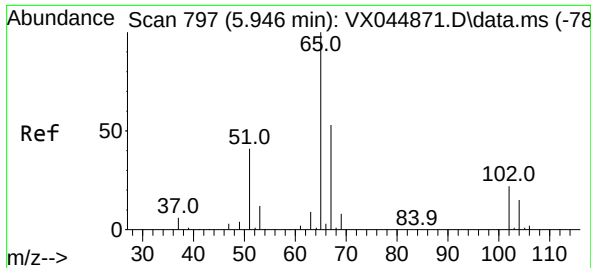
Tgt Ion: 43 Resp: 323
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 5.531 min Scan# 729
Delta R.T. 0.067 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Tgt Ion: 56 Resp: 2176
Ion Ratio Lower Upper
56 100
69 118.0 24.4 36.6#
84 134.3 69.0 103.6#

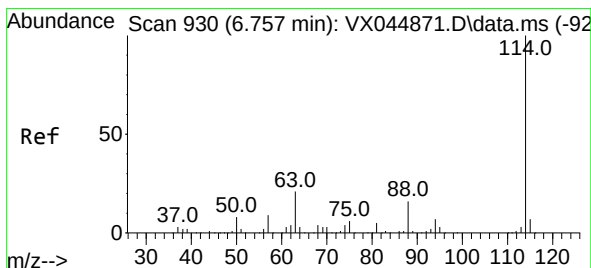
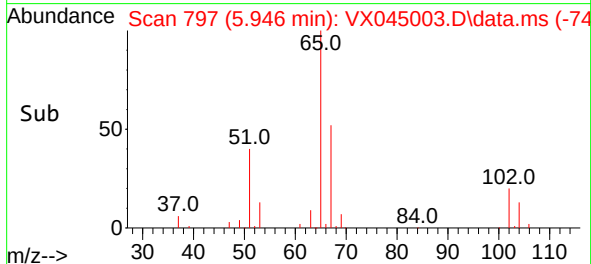
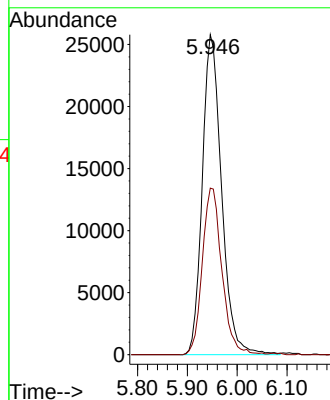
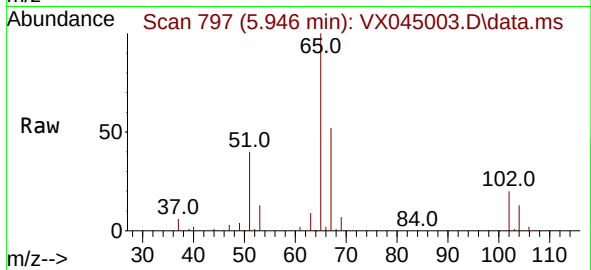




#33
 1,2-Dichloroethane-d4
 Concen: 55.455 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX045003.D
 Acq: 19 Feb 2025 13:41

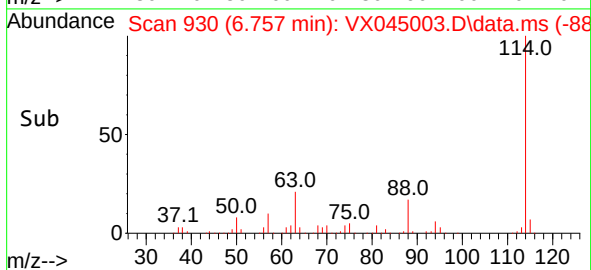
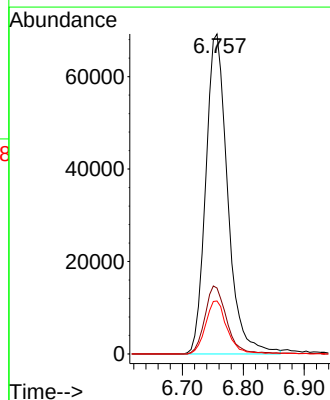
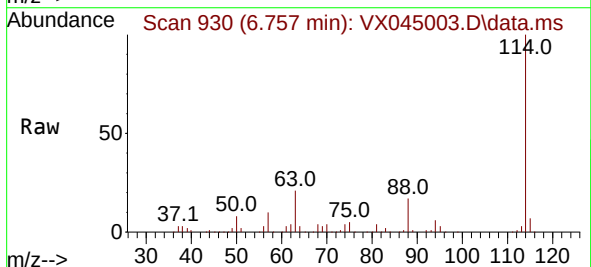
Instrument :
 MSVOA_X
 ClientSampleId :

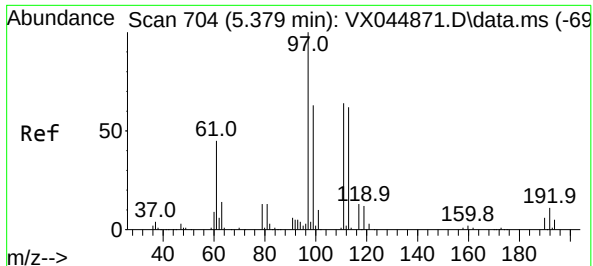
Tgt Ion: 65 Resp: 69385
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045003.D
 Acq: 19 Feb 2025 13:41

Tgt Ion: 114 Resp: 172782
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.255 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045003.D

Acq: 19 Feb 2025 13:41

Instrument :

MSVOA_X

ClientSampleId :

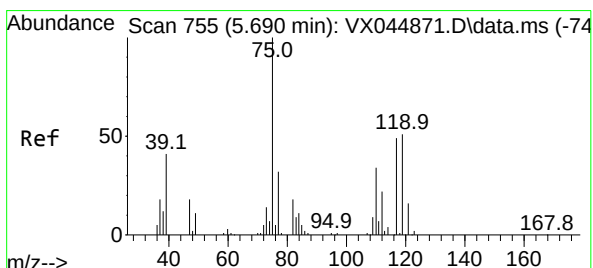
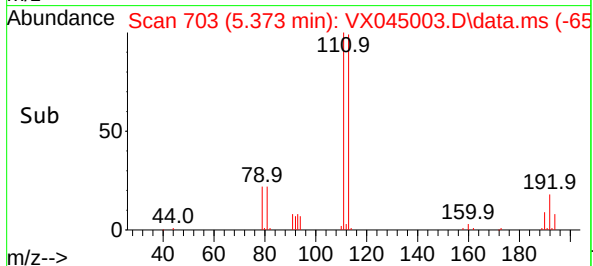
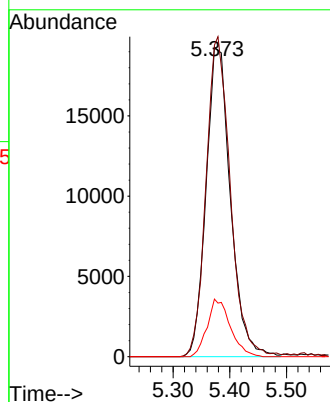
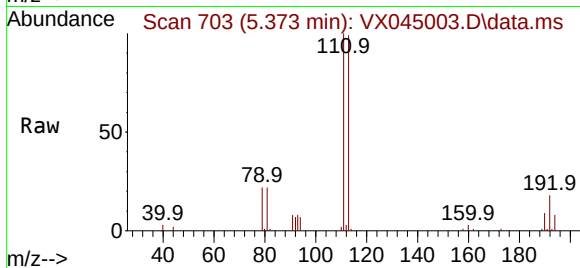
Tgt Ion:113 Resp: 57578

Ion Ratio Lower Upper

113 100

111 102.2 83.5 125.3

192 17.7 14.4 21.6



#36

1,1-Dichloropropene

Concen: 4.645 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.152 min

Lab File: VX045003.D

Acq: 19 Feb 2025 13:41

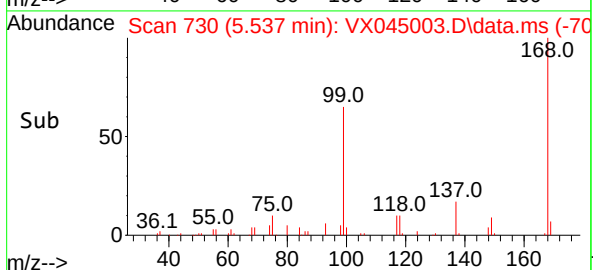
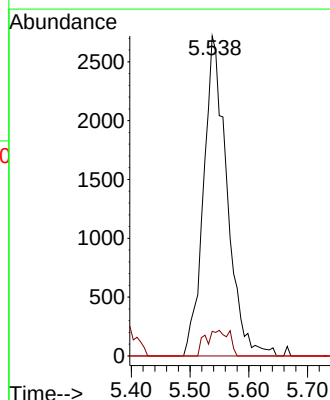
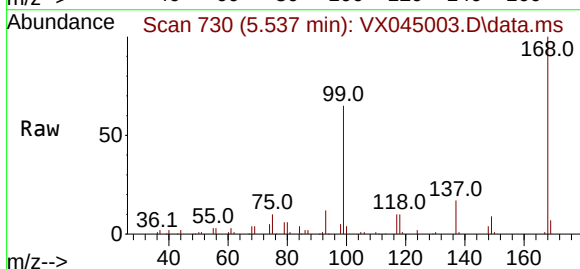
Tgt Ion: 75 Resp: 7529

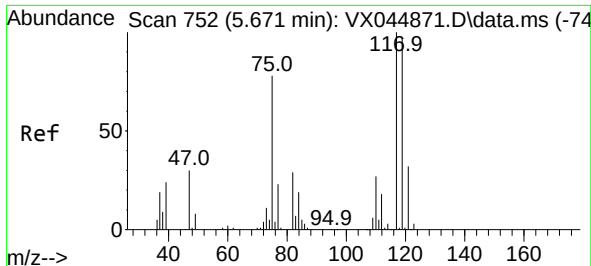
Ion Ratio Lower Upper

75 100

110 6.1 17.2 51.6#

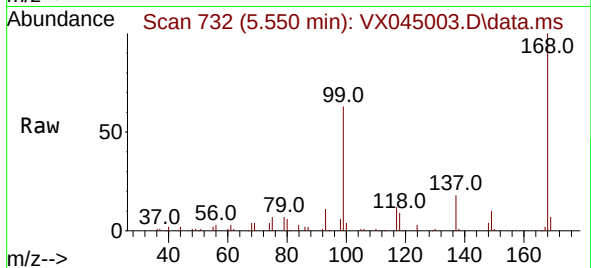
77 0.0 24.6 37.0#



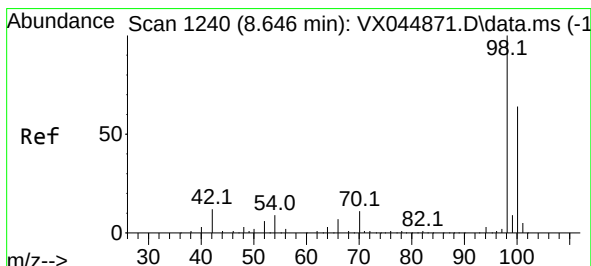
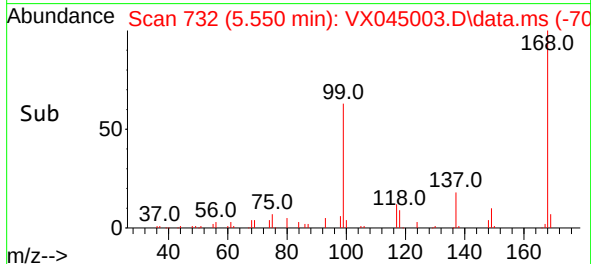
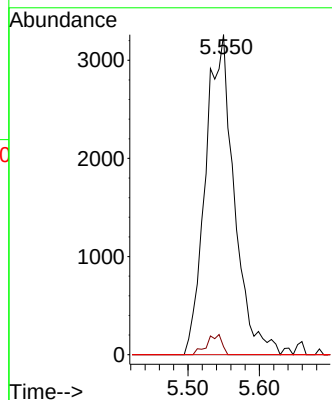


#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :

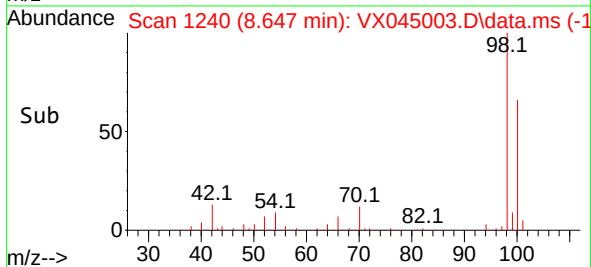
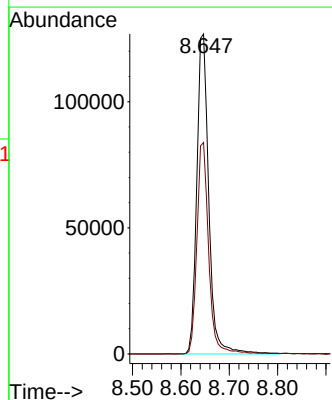
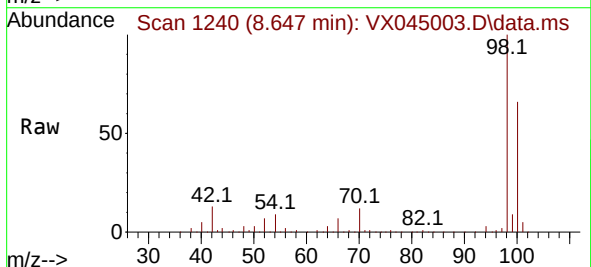


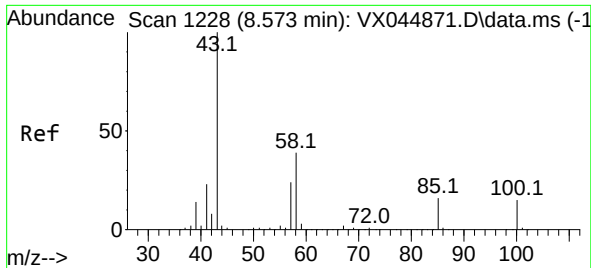
Tgt Ion:117 Resp: 9051
Ion Ratio Lower Upper
117 100
119 2.5 77.5 116.3#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 51.198 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Tgt Ion: 98 Resp: 217486
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

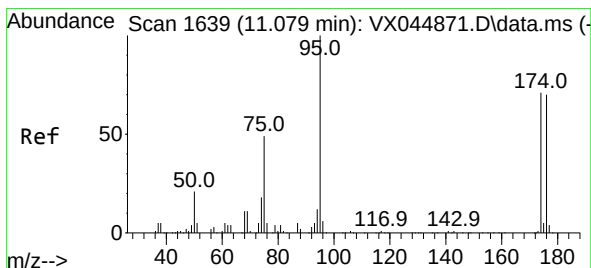
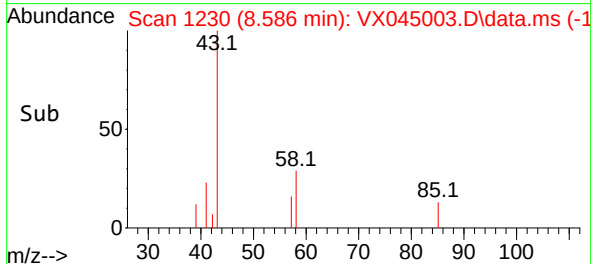
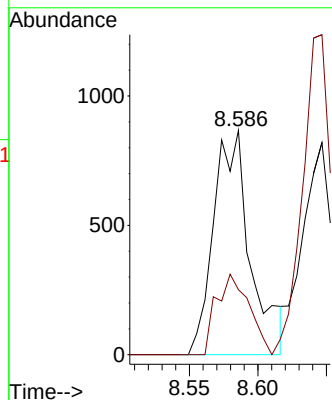
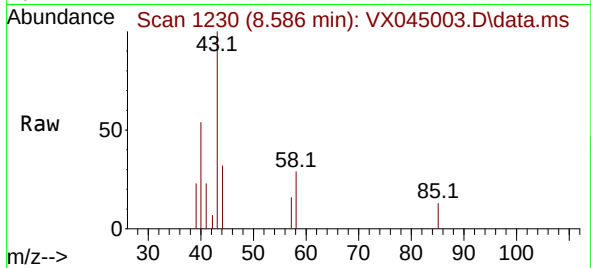




#51
4-Methyl-2-Pentanone
Concen: 0.911 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

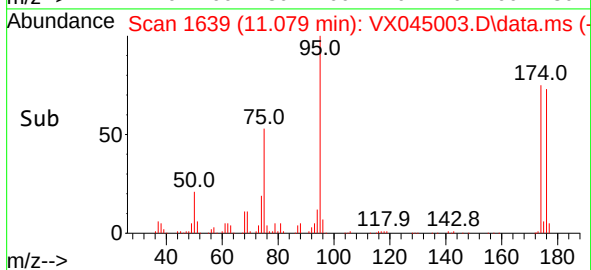
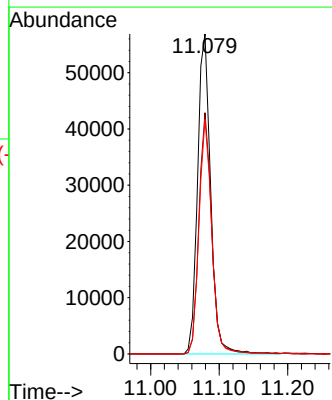
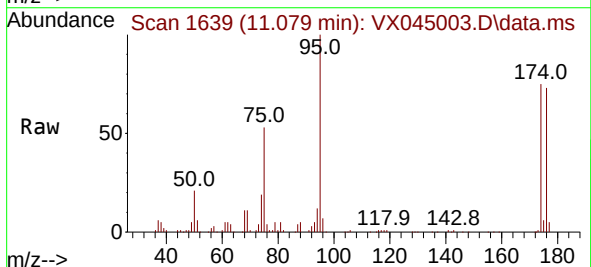
Instrument :
MSVOA_X
ClientSampleId :

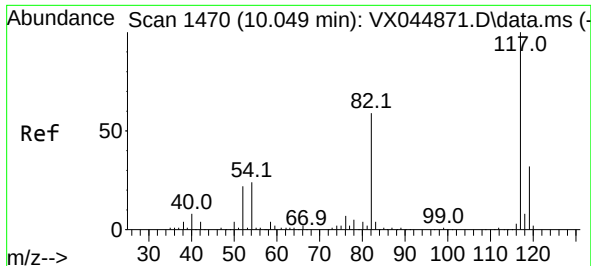
Tgt Ion: 43 Resp: 1613
Ion Ratio Lower Upper
43 100
58 32.1 30.8 46.2



#62
4-Bromofluorobenzene
Concen: 52.920 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Tgt Ion: 95 Resp: 75785
Ion Ratio Lower Upper
95 100
174 73.5 0.0 142.6
176 71.3 0.0 141.6

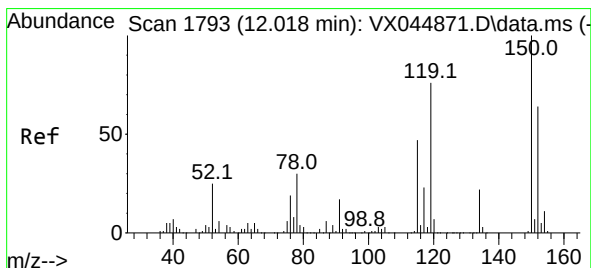
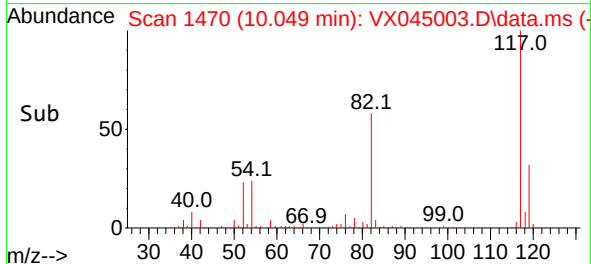
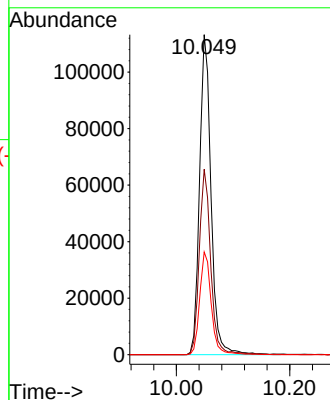
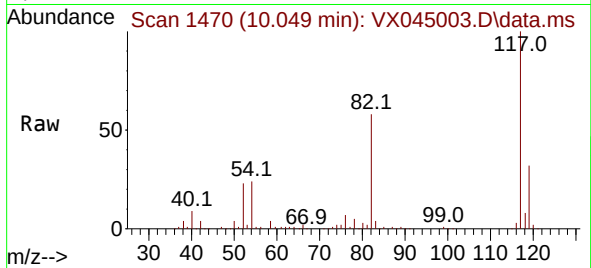




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

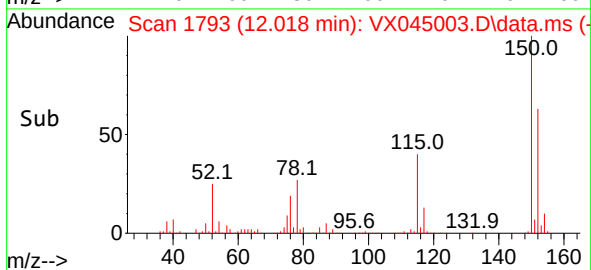
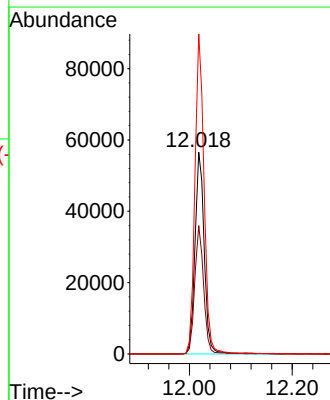
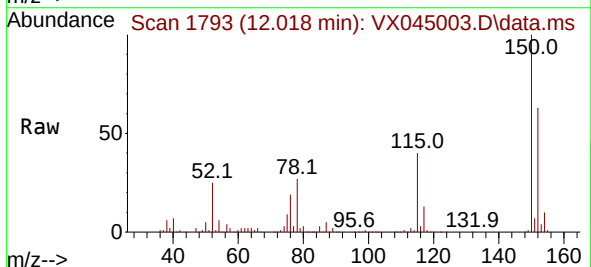
Instrument :
MSVOA_X
ClientSampleId :

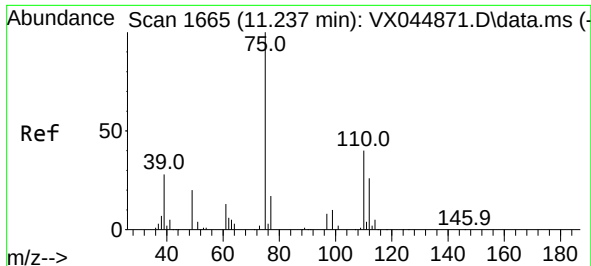
Tgt Ion:117 Resp: 158743
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Tgt Ion:152 Resp: 71008
Ion Ratio Lower Upper
152 100
115 61.5 43.4 130.1
150 155.4 0.0 350.4

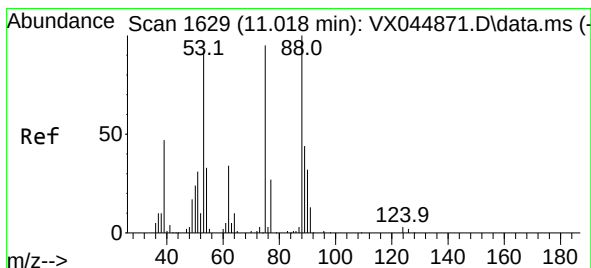
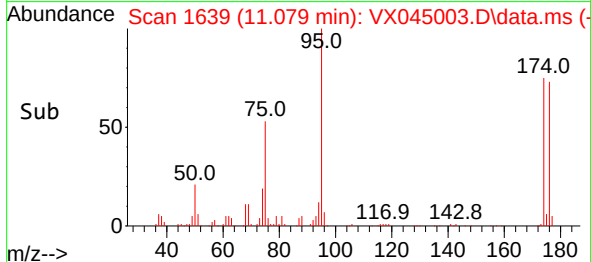
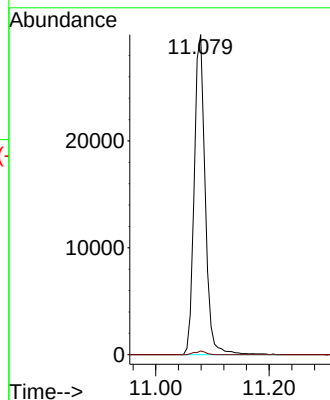
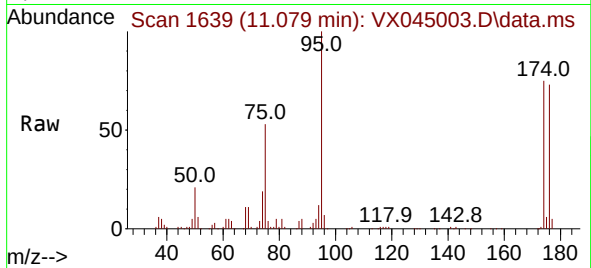




#76
1,2,3-Trichloropropane
Concen: 25.522 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 40180
Ion Ratio Lower Upper
75 100
77 1.2 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.651 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045003.D
Acq: 19 Feb 2025 13:41

Tgt Ion: 75 Resp: 40180
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

