

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
 Data File : VX044943.D
 Acq On : 12 Feb 2025 19:02
 Operator : JC/MD
 Sample : Q1356-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 13 00:54:16 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)

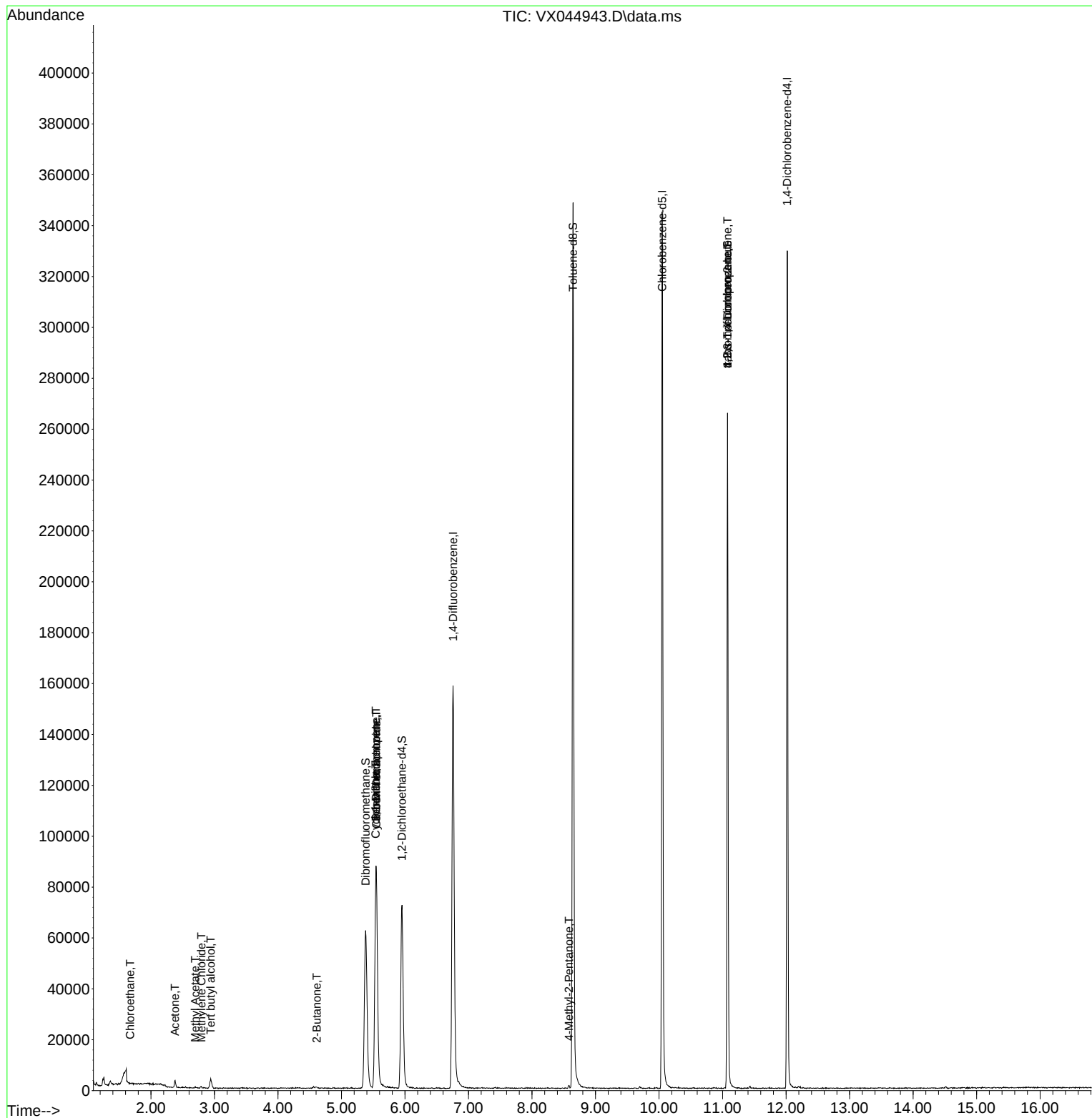
Internal Standards						
1) Pentafluorobenzene	5.544	168	82302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167630	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	150400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67165	55.750	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.500%
35) Dibromofluoromethane	5.379	113	55720	51.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.260%
50) Toluene-d8	8.647	98	209310	50.788	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.580%
62) 4-Bromofluorobenzene	11.079	95	68897	49.589	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.180%
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	104	1.499	ug/l #	42
11) Tert butyl alcohol	2.940	59	1999	8.944	ug/l #	73
16) Acetone	2.380	43	2900	5.988	ug/l	93
18) Methyl Acetate	2.697	43	517	0.338	ug/l #	62
20) Methylene Chloride	2.794	84	261	0.220	ug/l #	80
25) 2-Butanone	4.611	43	183	0.233	ug/l #	48
31) Cyclohexane	5.537	56	2210	1.181	ug/l #	42
36) 1,1-Dichloropropene	5.544	75	7705	4.900	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8858	5.749	ug/l #	13
51) 4-Methyl-2-Pentanone	8.580	43	714	0.416	ug/l #	85
76) 1,2,3-Trichloropropane	11.079	75	36887	26.813	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	36887	68.973	ug/l #	11

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

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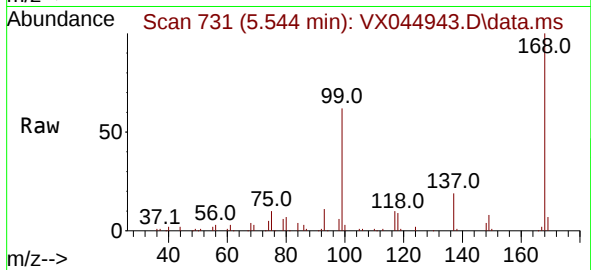


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

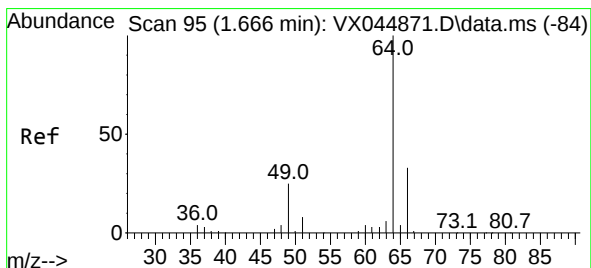
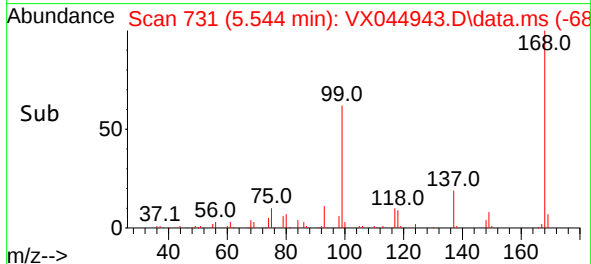
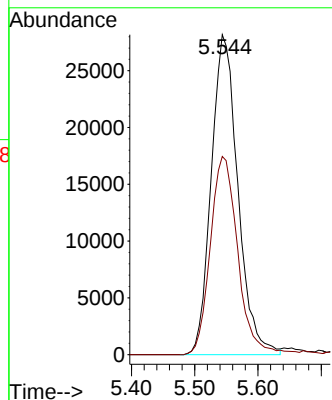
Instrument :

MSVOA_X

ClientSampleId :

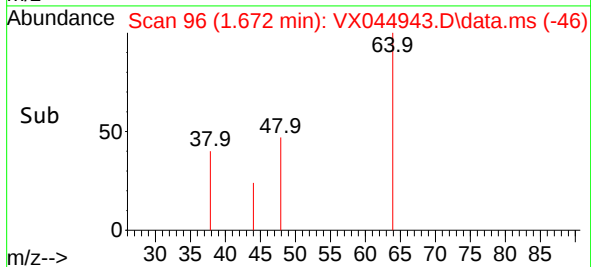
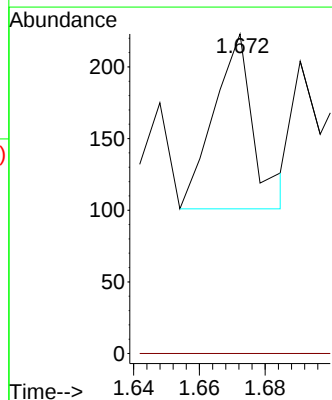
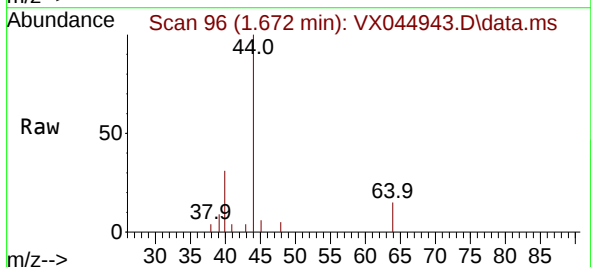


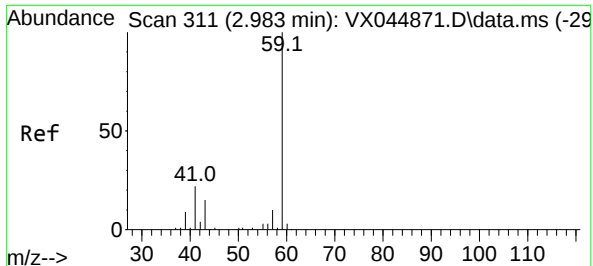
Tgt Ion:168 Resp: 82302
Ion Ratio Lower Upper
168 100
99 62.0 51.2 76.8



#6
Chloroethane
Concen: 1.499 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

Tgt Ion: 64 Resp: 104
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

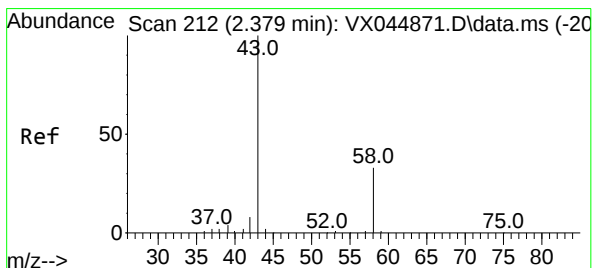
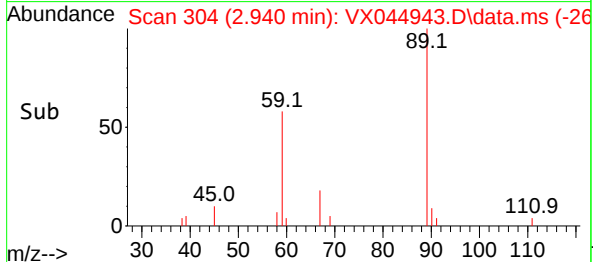
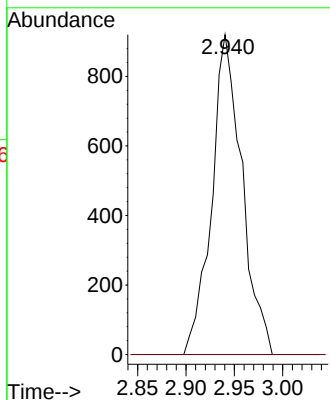
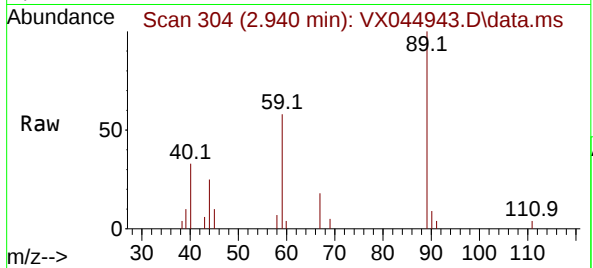




#11
Tert butyl alcohol
Concen: 8.944 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

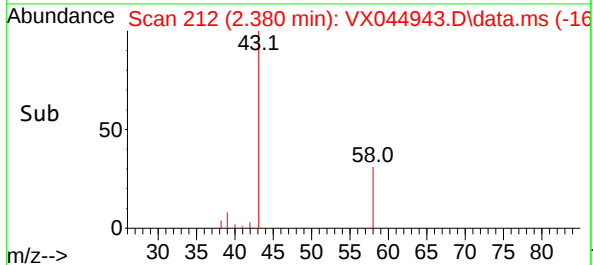
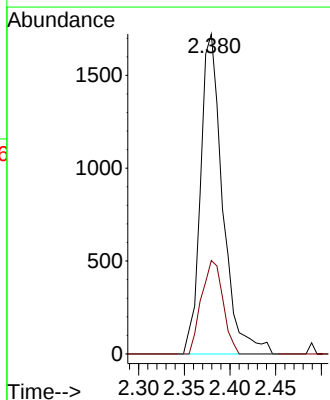
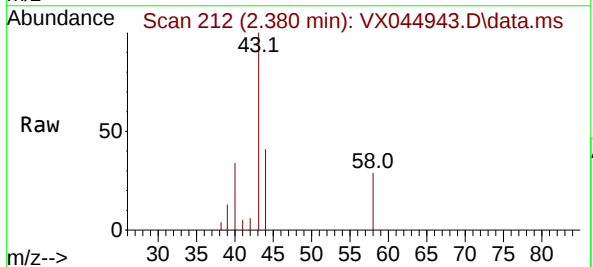
Instrument :
MSVOA_X
ClientSampleId :

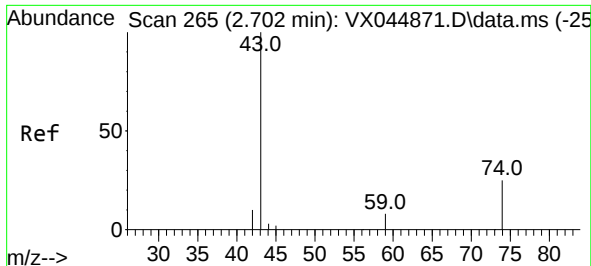
Tgt Ion: 59 Resp: 1999
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 5.988 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

Tgt Ion: 43 Resp: 2900
Ion Ratio Lower Upper
43 100
58 29.2 26.5 39.7

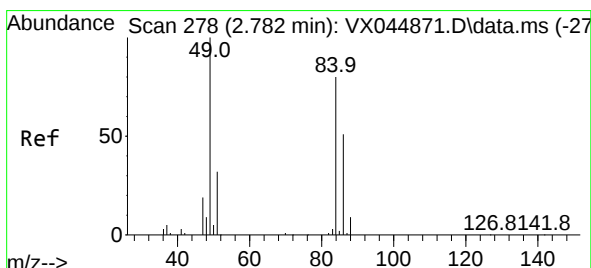
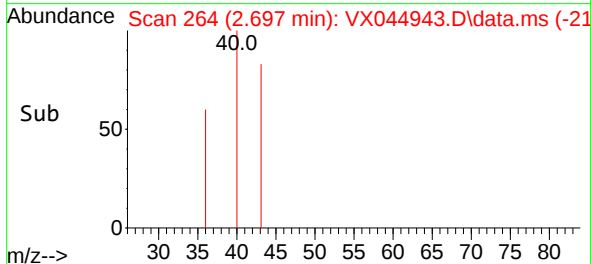
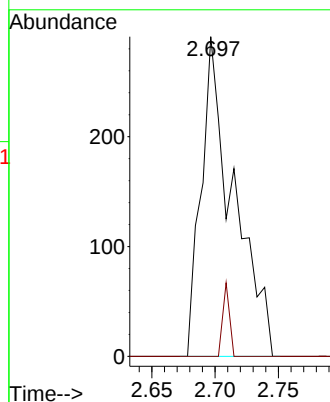
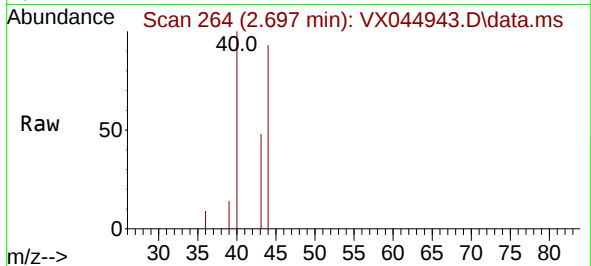




#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 2.697 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

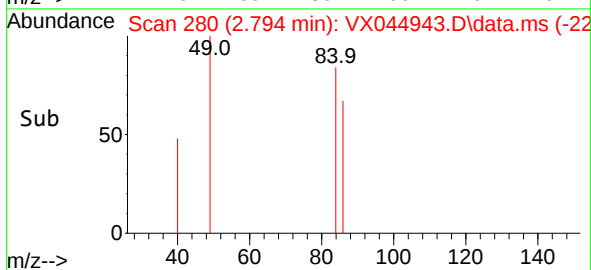
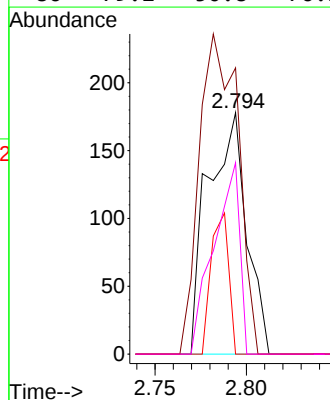
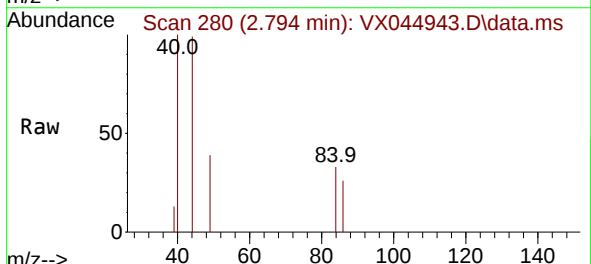
Instrument :
MSVOA_X
ClientSampleId :

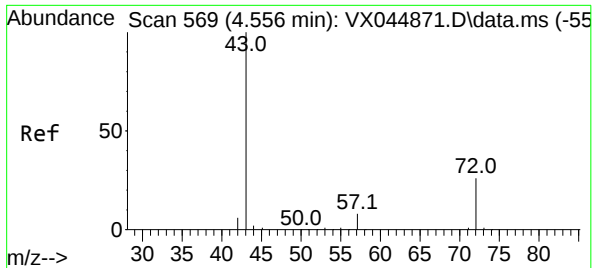
Tgt Ion: 43 Resp: 517
Ion Ratio Lower Upper
43 100
74 4.8 18.9 28.3#



#20
Methylene Chloride
Concen: 0.220 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

Tgt Ion: 84 Resp: 261
Ion Ratio Lower Upper
84 100
49 118.5 100.1 150.1
51 0.0 31.7 47.5#
86 79.2 50.8 76.2#

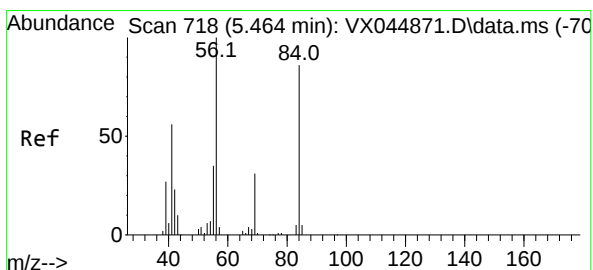
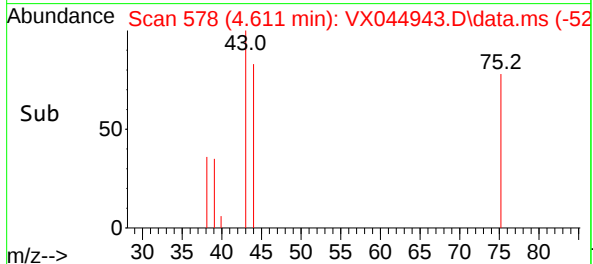
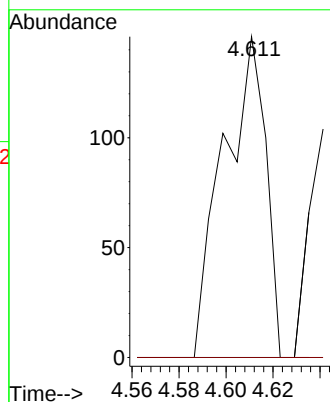
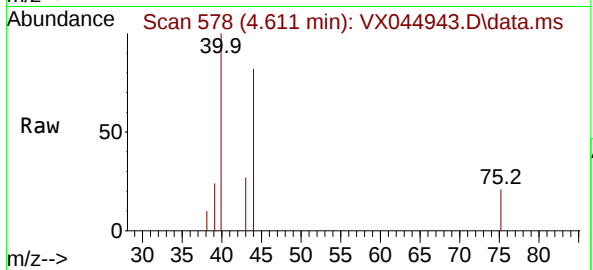




#25
2-Butanone
Concen: 0.233 ug/l
RT: 4.611 min Scan# 51
Delta R.T. 0.055 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

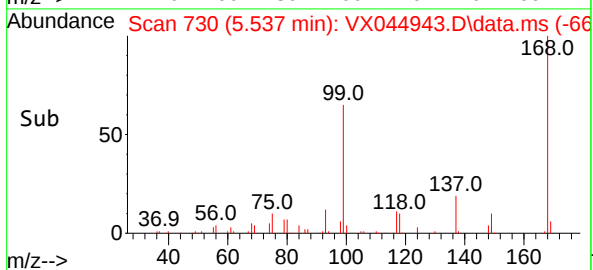
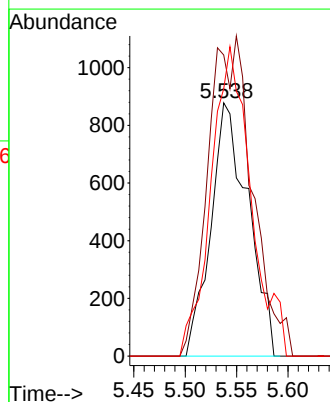
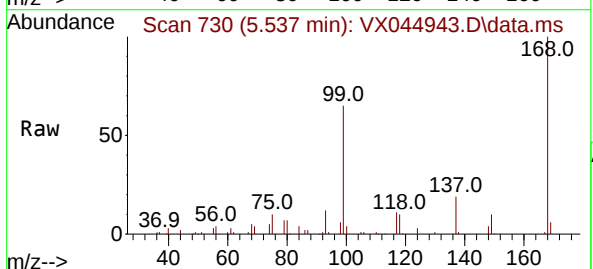
Instrument :
MSVOA_X
ClientSampleId :

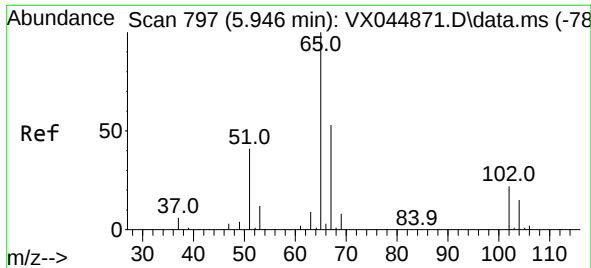
Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

Tgt Ion: 56 Resp: 2210
Ion Ratio Lower Upper
56 100
69 118.9 24.4 36.6#
84 105.6 69.0 103.6#

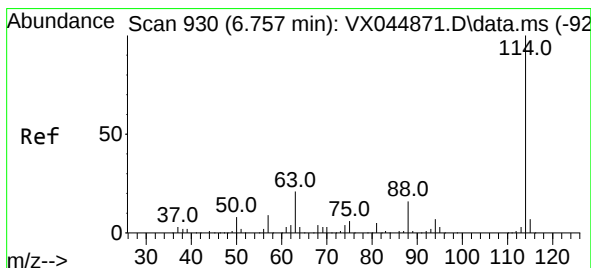
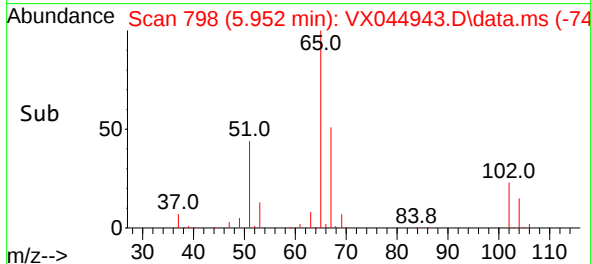
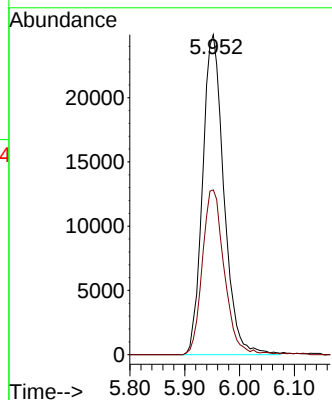
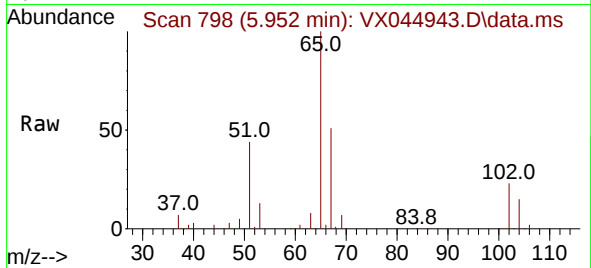




#33
 1,2-Dichloroethane-d4
 Concen: 55.750 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX044943.D
 Acq: 12 Feb 2025 19:02

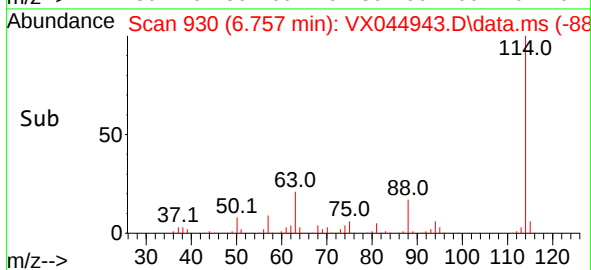
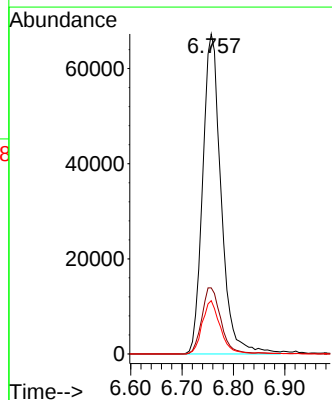
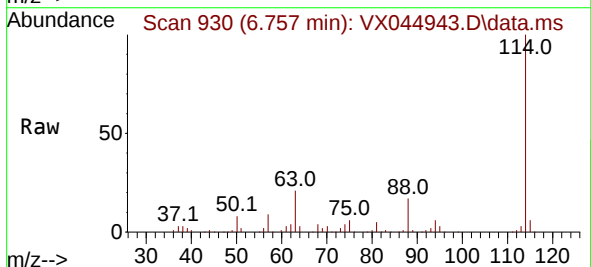
Instrument :
 MSVOA_X
 ClientSampleId :

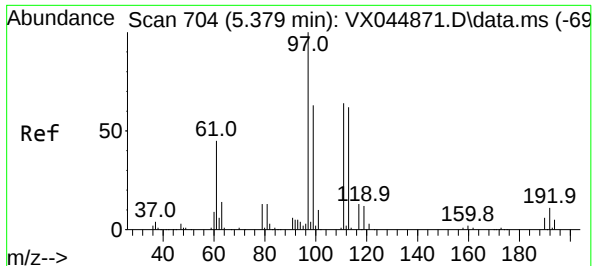
Tgt Ion: 65 Resp: 67165
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044943.D
 Acq: 12 Feb 2025 19:02

Tgt Ion: 114 Resp: 167630
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.4
 88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.125 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044943.D

Acq: 12 Feb 2025 19:02

Instrument :

MSVOA_X

ClientSampleId :

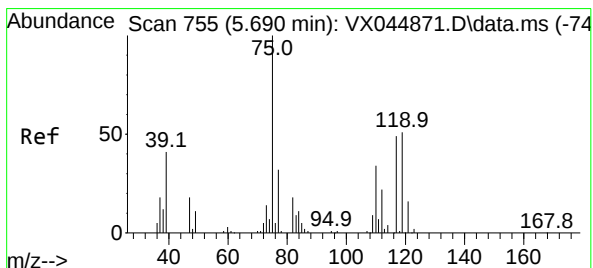
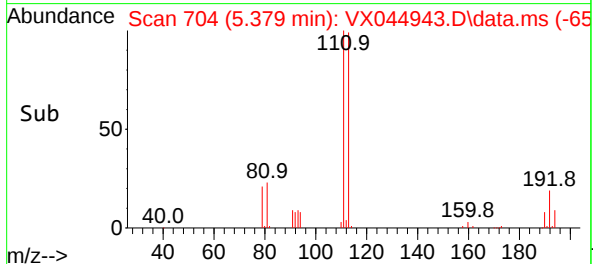
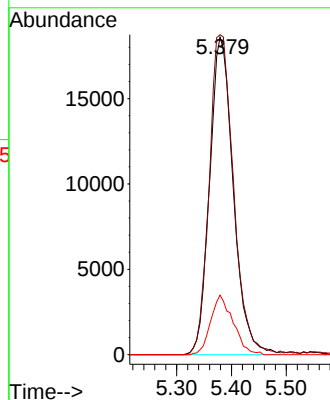
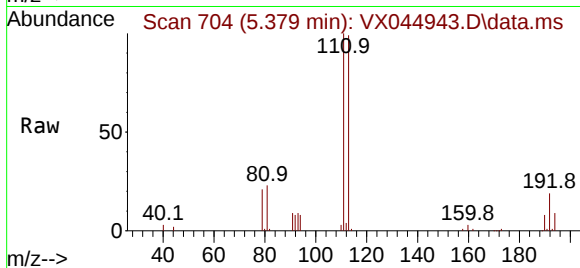
Tgt Ion:113 Resp: 55720

Ion Ratio Lower Upper

113 100

111 104.2 83.5 125.3

192 17.8 14.4 21.6



#36

1,1-Dichloropropene

Concen: 4.900 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX044943.D

Acq: 12 Feb 2025 19:02

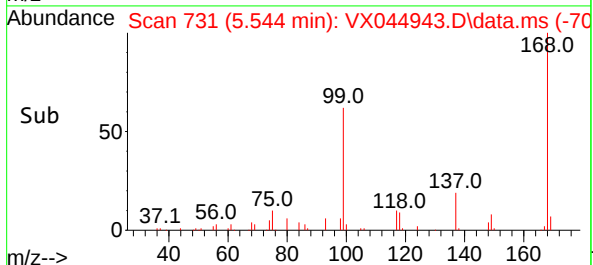
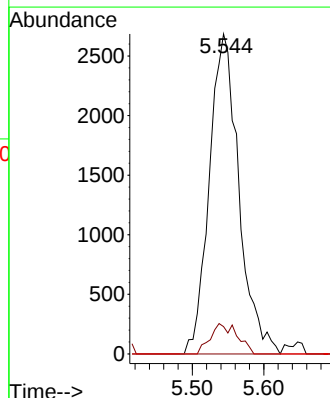
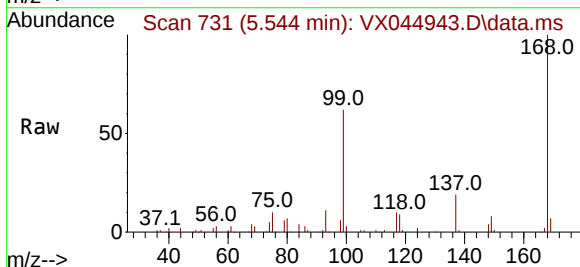
Tgt Ion: 75 Resp: 7705

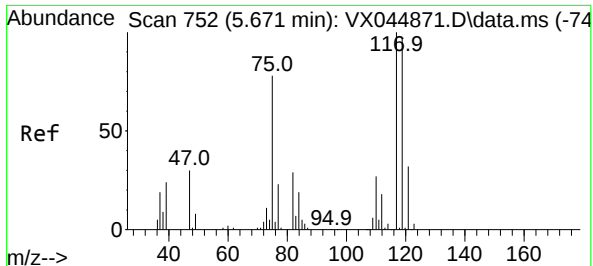
Ion Ratio Lower Upper

75 100

110 8.6 17.2 51.6#

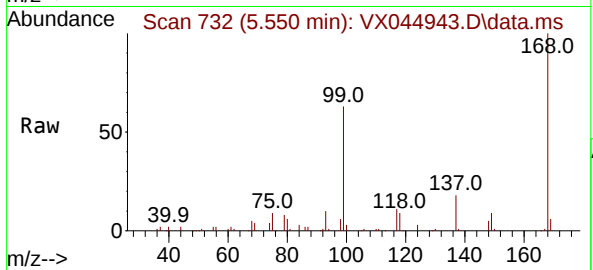
77 0.0 24.6 37.0#



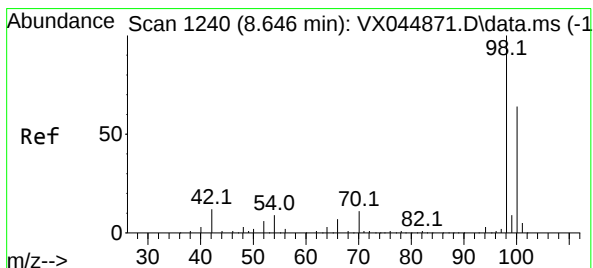
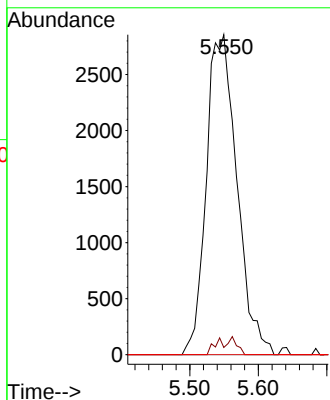
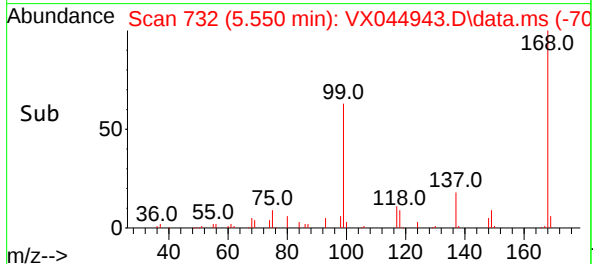


#38
Carbon Tetrachloride
Concen: 5.749 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :

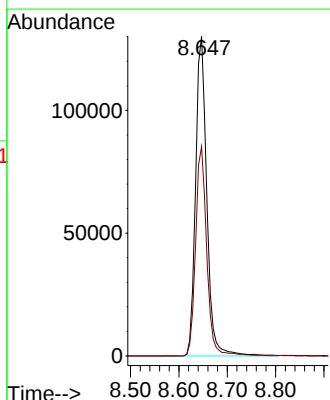
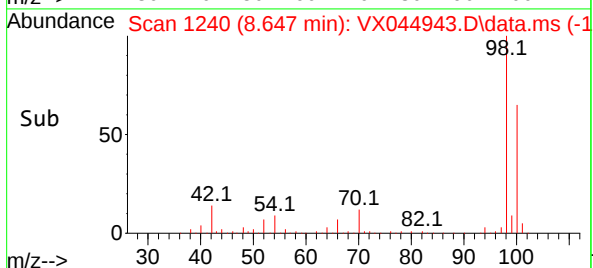
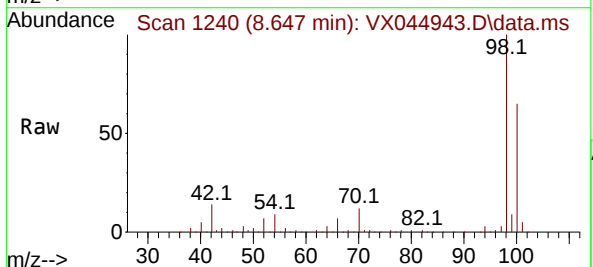


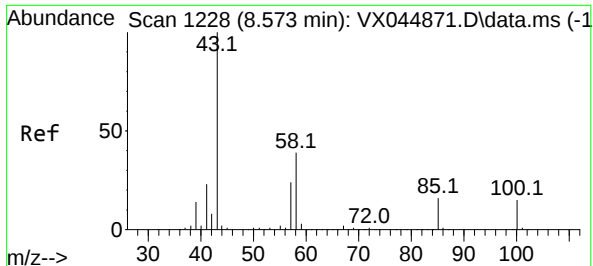
Tgt Ion:117 Resp: 8858
Ion Ratio Lower Upper
117 100
119 2.2 77.5 116.3#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 50.788 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

Tgt Ion: 98 Resp: 209310
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1

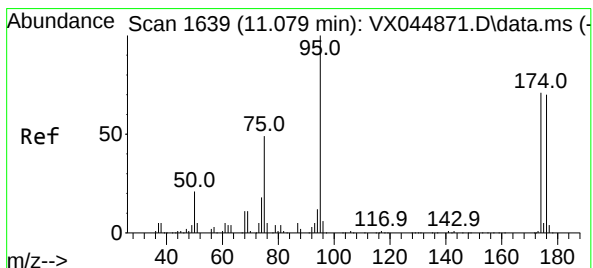
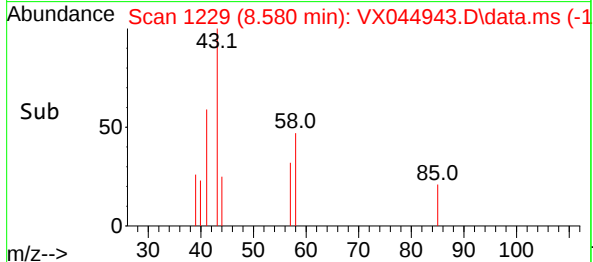
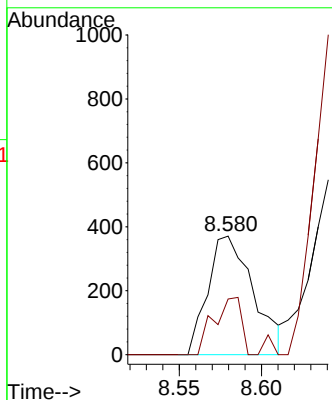
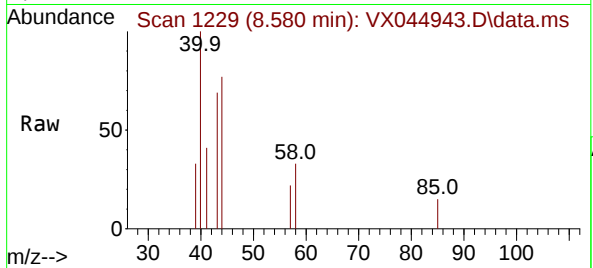




#51
4-Methyl-2-Pentanone
Concen: 0.416 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

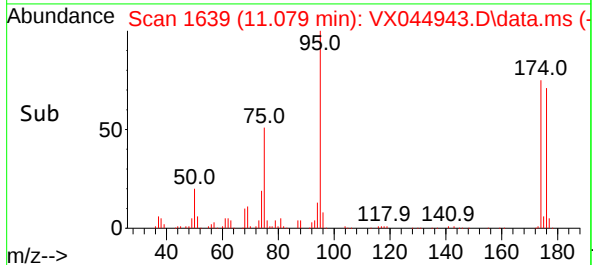
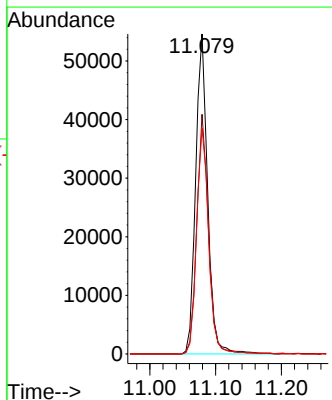
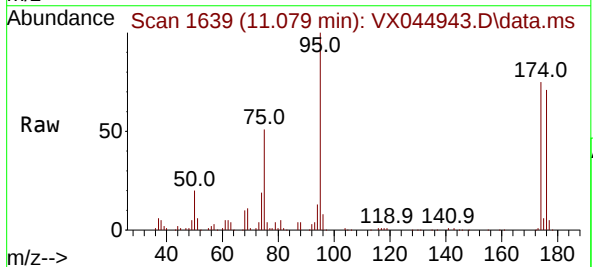
Instrument :
MSVOA_X
ClientSampleId :

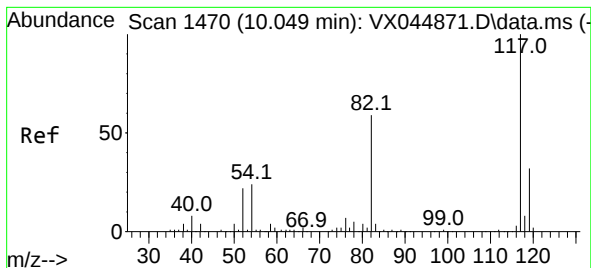
Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
58 29.1 30.8 46.2#



#62
4-Bromofluorobenzene
Concen: 49.589 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

Tgt Ion: 95 Resp: 68897
Ion Ratio Lower Upper
95 100
174 73.4 0.0 142.6
176 71.1 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: VX044943.D

Acq: 12 Feb 2025 19:02

Instrument :

MSVOA_X

ClientSampleId :

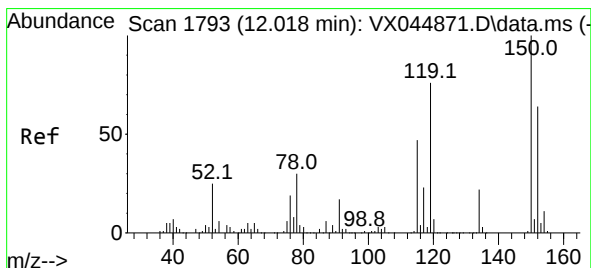
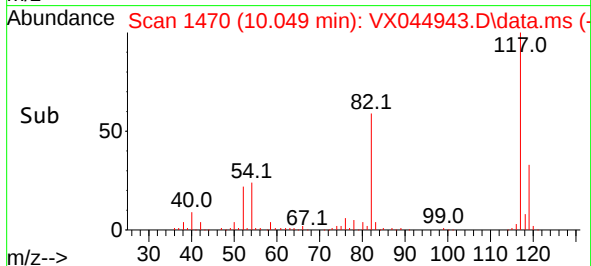
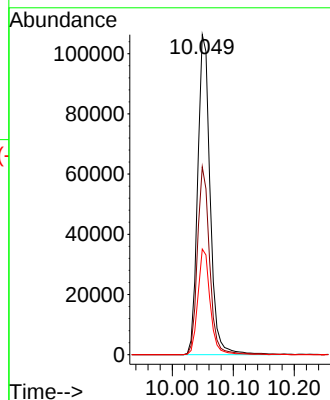
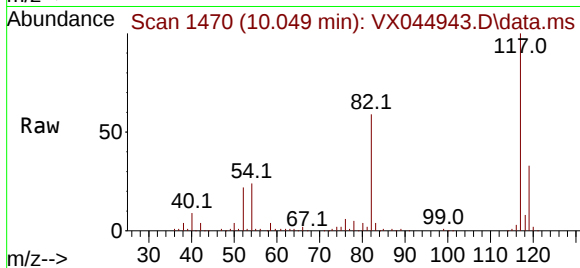
Tgt Ion:117 Resp: 150400

Ion Ratio Lower Upper

117 100

82 58.7 47.5 71.3

119 33.0 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: VX044943.D

Acq: 12 Feb 2025 19:02

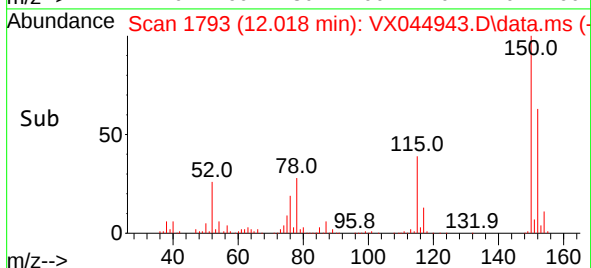
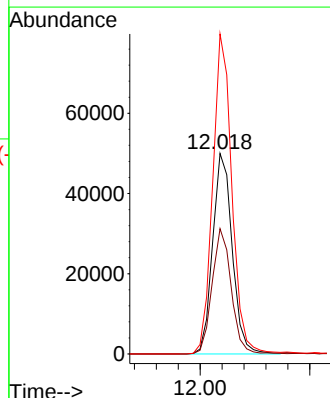
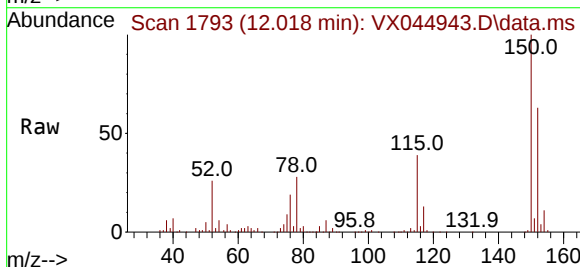
Tgt Ion:152 Resp: 62049

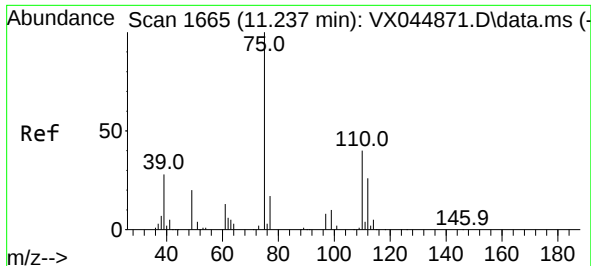
Ion Ratio Lower Upper

152 100

115 61.1 43.4 130.1

150 156.4 0.0 350.4

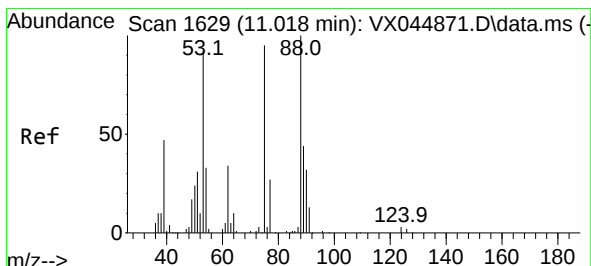
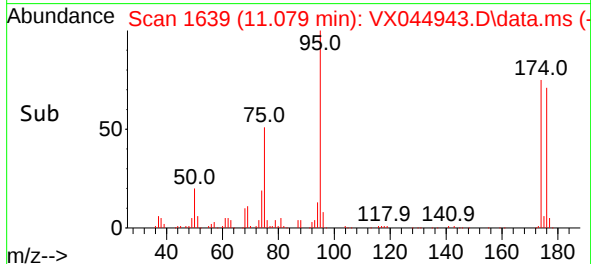
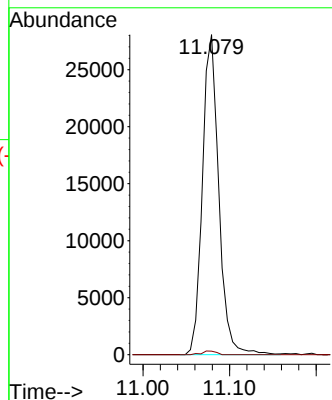
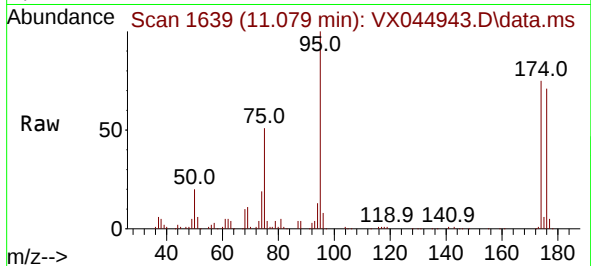




#76
1,2,3-Trichloropropane
Concen: 26.813 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 36887
Ion Ratio Lower Upper
75 100
77 1.0 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044943.D
Acq: 12 Feb 2025 19:02

Tgt Ion: 75 Resp: 36887
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

