

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043161.D
 Acq On : 25 Sep 2024 18:16
 Operator : JC/MD
 Sample : P4164-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 26 01:39:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

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

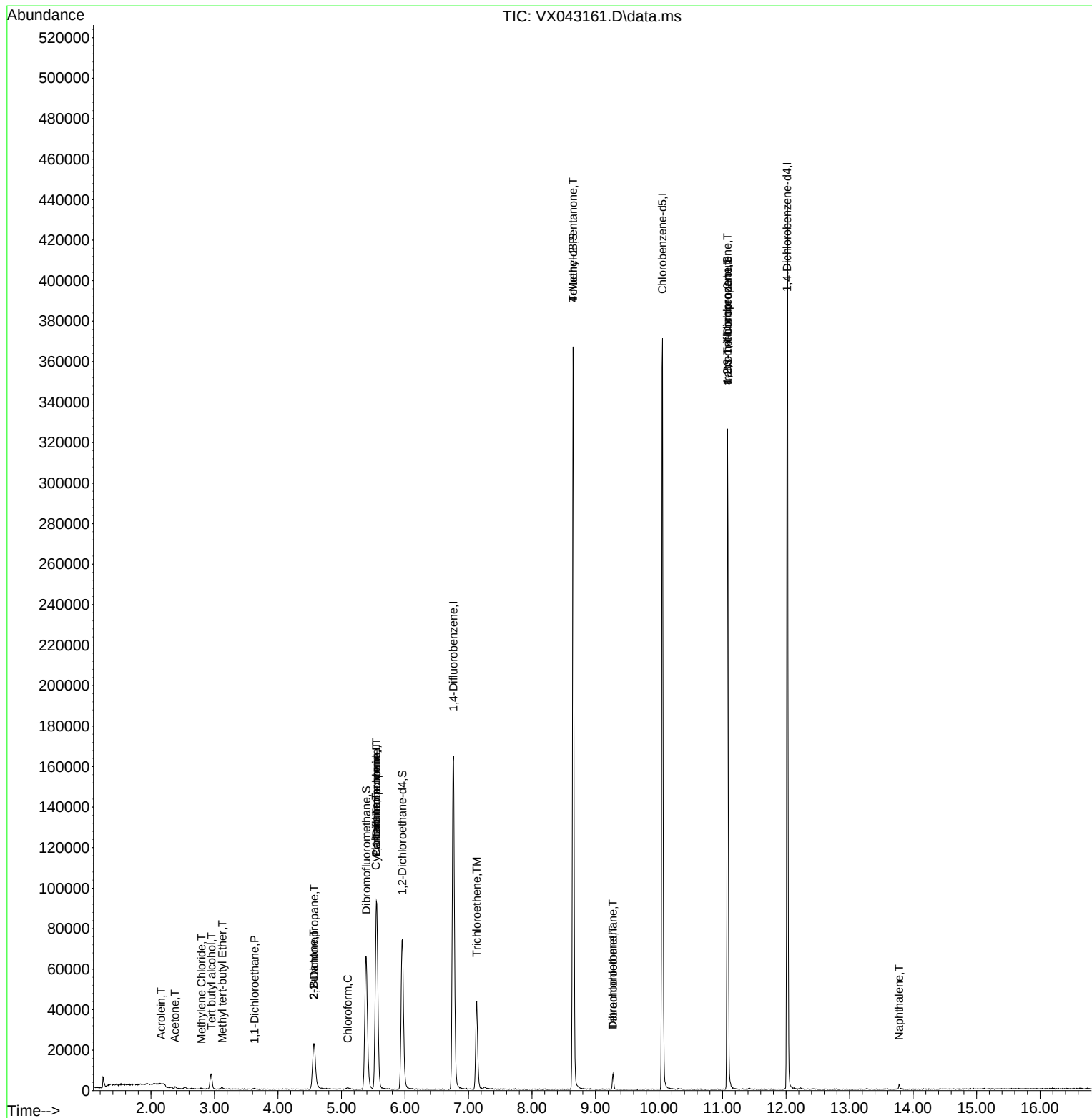
Internal Standards						
1) Pentafluorobenzene	5.550	168	84917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170565	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	87345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76787	54.439	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.880%	
35) Dibromofluoromethane	5.391	113	58767	48.841	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.680%	
50) Toluene-d8	8.647	98	209017	51.346	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.700%	
62) 4-Bromofluorobenzene	11.079	95	86441	52.729	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	4318	13.711	ug/l #	73
13) Acrolein	2.160	56	22	0.530	ug/l #	1
16) Acetone	2.380	43	1062	1.610	ug/l #	73
19) Methyl tert-butyl Ether	3.123	73	782	0.228	ug/l #	69
20) Methylene Chloride	2.794	84	211	0.201	ug/l #	73
24) 1,1-Dichloroethane	3.629	63	550	0.304	ug/l #	81
25) 2-Butanone	4.562	43	1645	1.935	ug/l #	74
26) 2,2-Dichloropropane	4.568	77	1756	0.959	ug/l #	54
30) Chloroform	5.099	83	1086	0.544	ug/l	97
31) Cyclohexane	5.544	56	2195	1.582	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	7392	5.000	ug/l #	51
38) Carbon Tetrachloride	5.550	117	9476	4.976	ug/l #	17
44) Trichloroethene	7.129	130	16514	13.835	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	1207	0.633	ug/l #	1
60) Dibromochloromethane	9.275	129	1436	0.951	ug/l #	11
64) Tetrachloroethene	9.275	164	1351	1.140	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	48825	26.292	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	48825	62.643	ug/l #	7
95) Naphthalene	13.780	128	2412	0.396	ug/l #	89

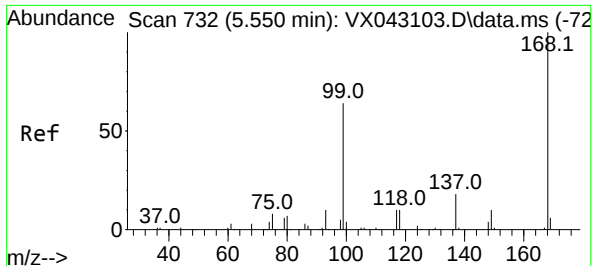
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 24 03:13:52 2024
Response via : Initial Calibration



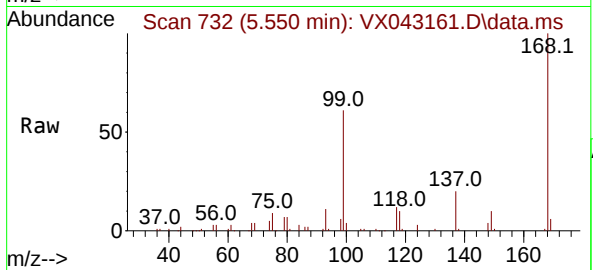


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

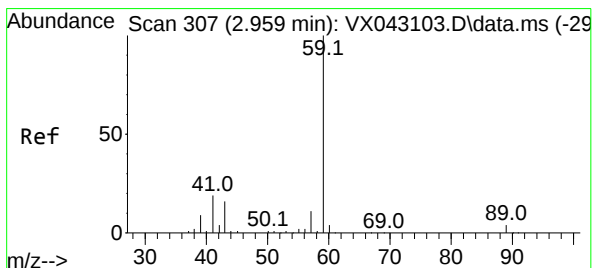
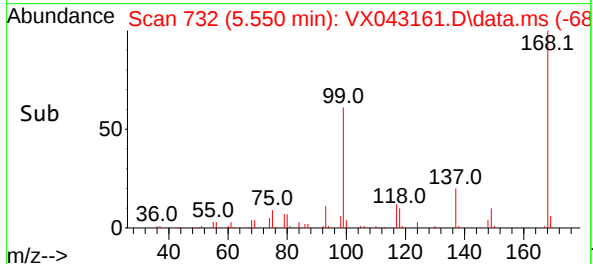
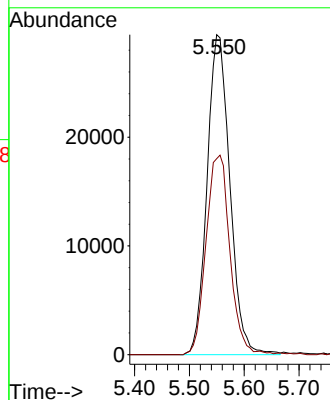
Instrument :

MSVOA_X

ClientSampleId :

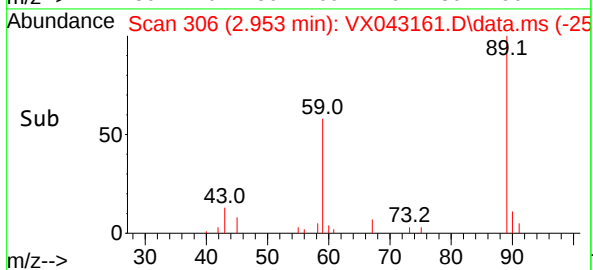
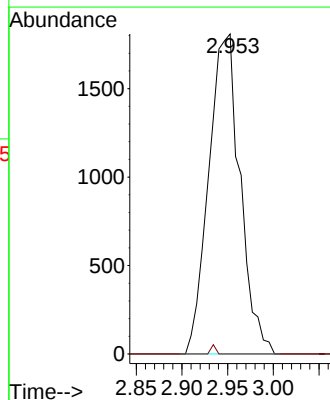
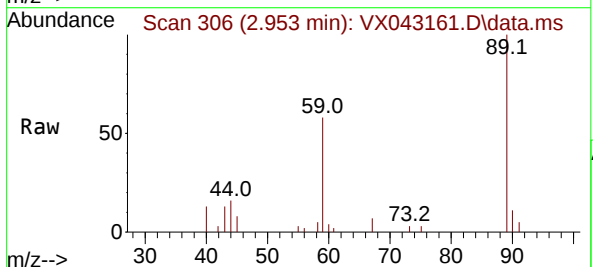


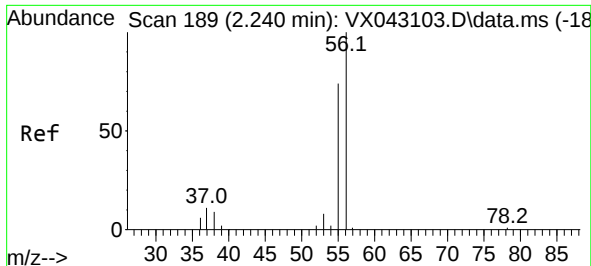
Tgt Ion:168 Resp: 84917
Ion Ratio Lower Upper
168 100
99 61.3 50.8 76.2



#11
Tert butyl alcohol
Concen: 13.711 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Tgt Ion: 59 Resp: 4318
Ion Ratio Lower Upper
59 100
57 0.4 8.6 13.0#

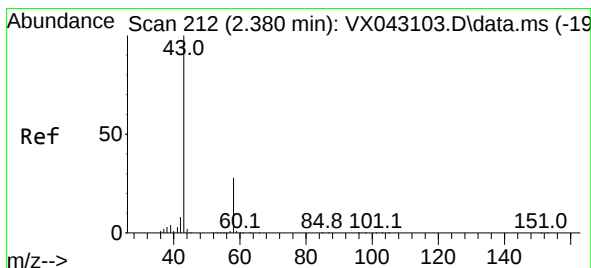
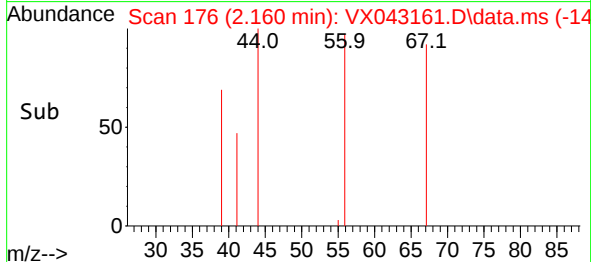
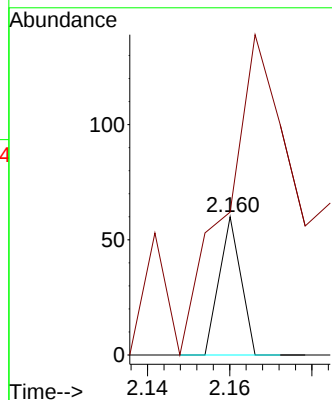
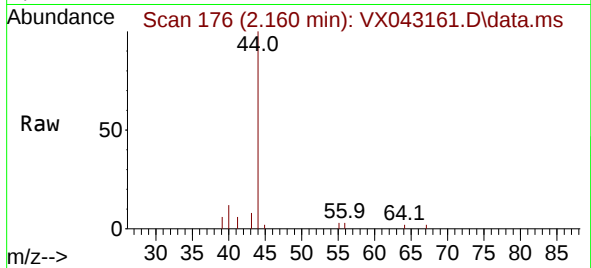




#13
Acrolein
Concen: 0.530 ug/l
RT: 2.160 min Scan# 11
Delta R.T. -0.079 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

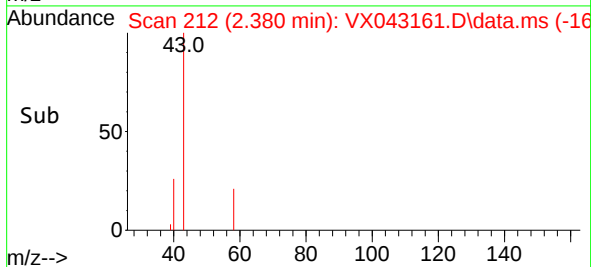
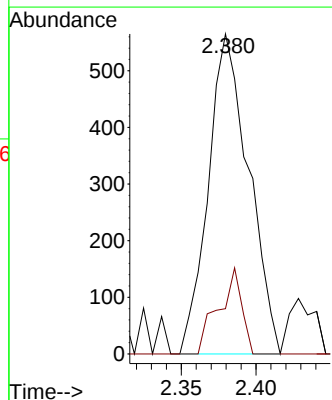
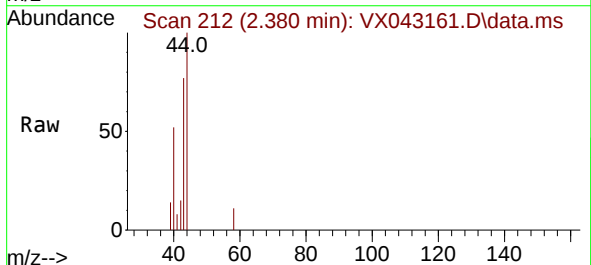
Instrument :
MSVOA_X
ClientSampleId :

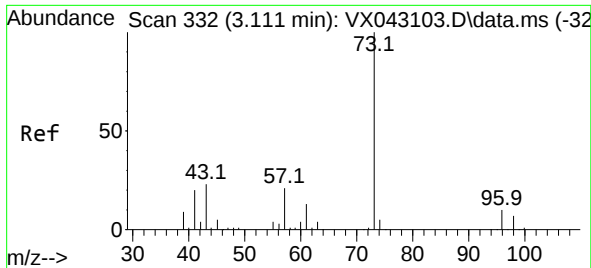
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 1077.3 55.8 83.6#



#16
Acetone
Concen: 1.610 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
58 14.2 22.6 34.0#

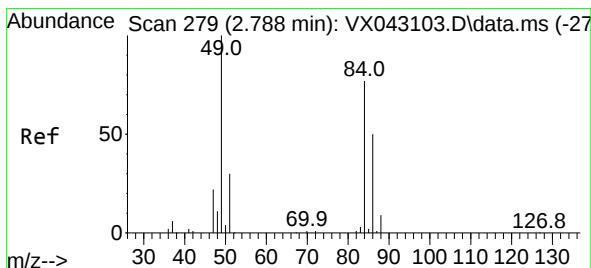
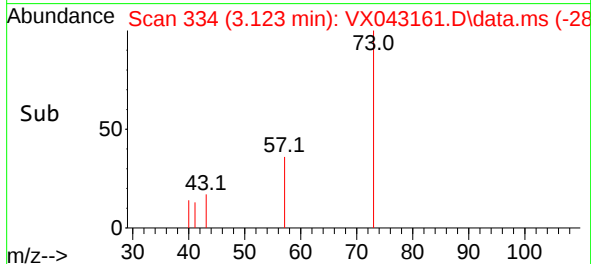
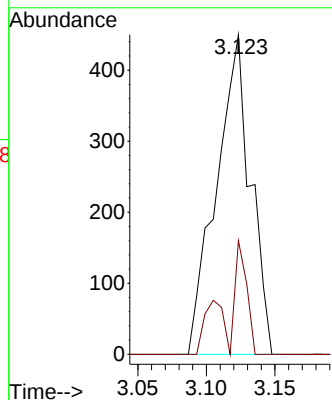
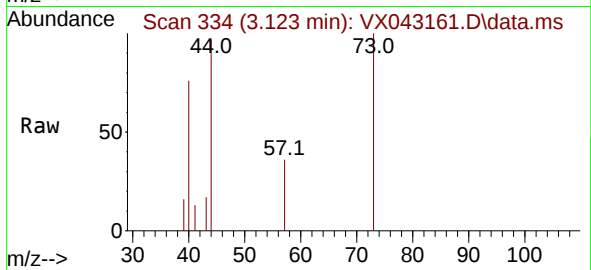




#19
Methyl tert-butyl Ether
Concen: 0.228 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

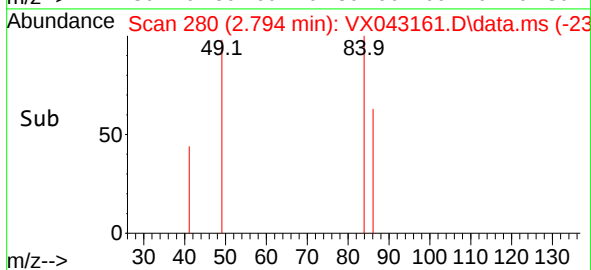
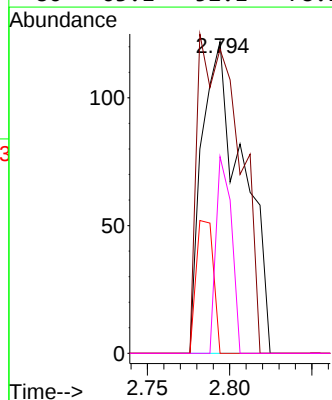
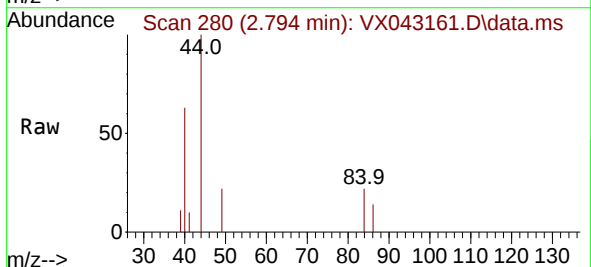
Instrument :
MSVOA_X
ClientSampleId :

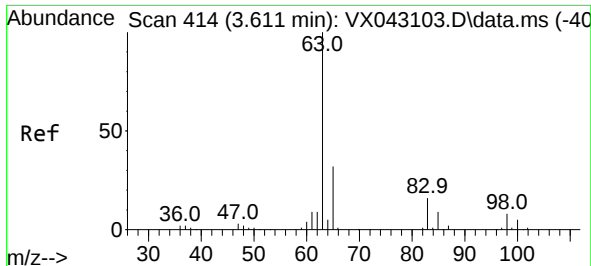
Tgt Ion: 73 Resp: 782
Ion Ratio Lower Upper
73 100
57 35.6 17.0 25.4#



#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Tgt Ion: 84 Resp: 211
Ion Ratio Lower Upper
84 100
49 97.5 104.1 156.1#
51 0.0 31.1 46.7#
86 63.1 52.1 78.1

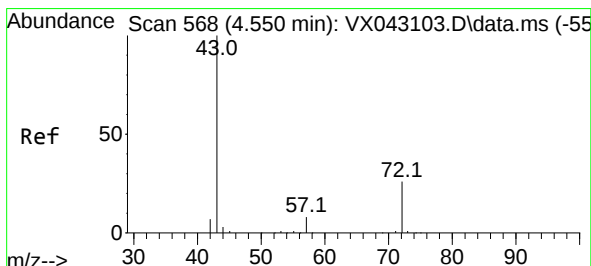
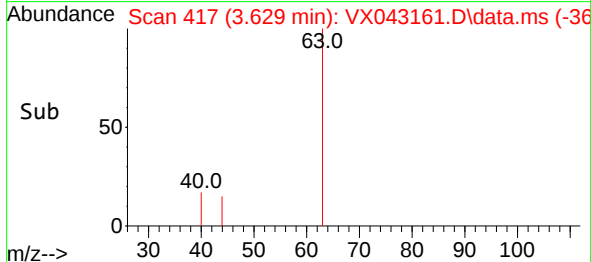
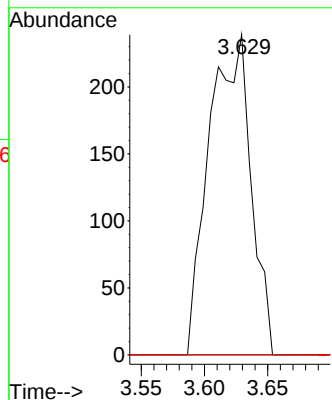
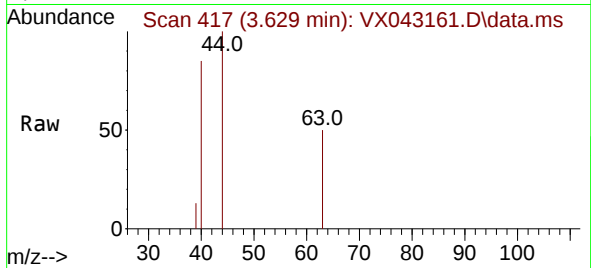




#24
 1,1-Dichloroethane
 Concen: 0.304 ug/l
 RT: 3.629 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: VX043161.D
 Acq: 25 Sep 2024 18:16

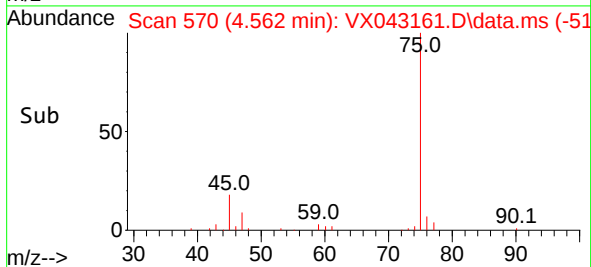
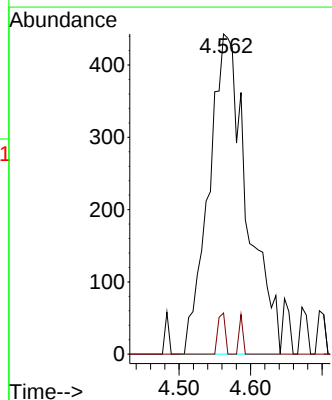
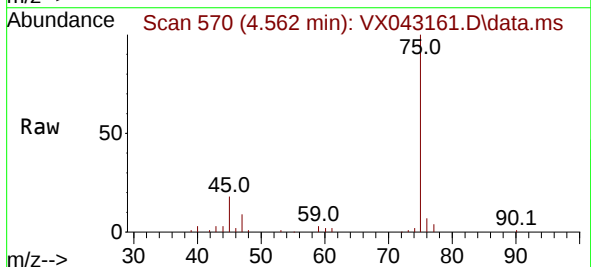
Instrument :
 MSVOA_X
 ClientSampleId :

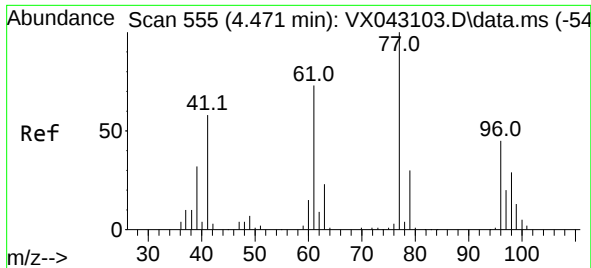
Tgt Ion: 63 Resp: 550
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.5#
 100 0.0 2.5 7.6#



#25
 2-Butanone
 Concen: 1.935 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. 0.012 min
 Lab File: VX043161.D
 Acq: 25 Sep 2024 18:16

Tgt Ion: 43 Resp: 1645
 Ion Ratio Lower Upper
 43 100
 72 12.9 20.7 31.1#

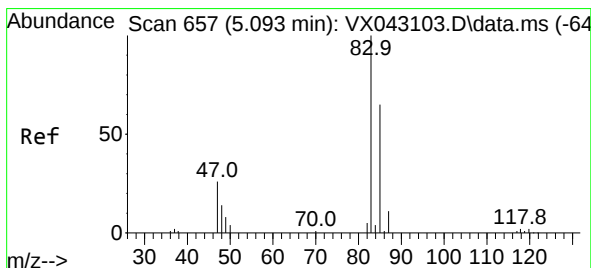
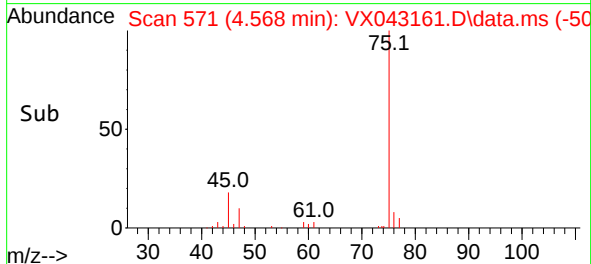
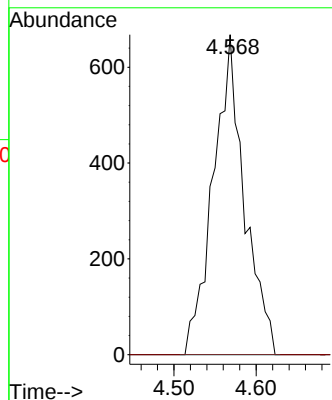
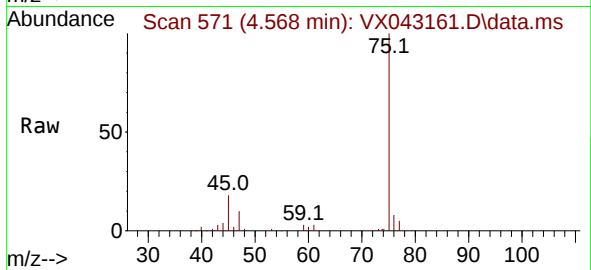




#26
2,2-Dichloropropane
Concen: 0.959 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.097 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

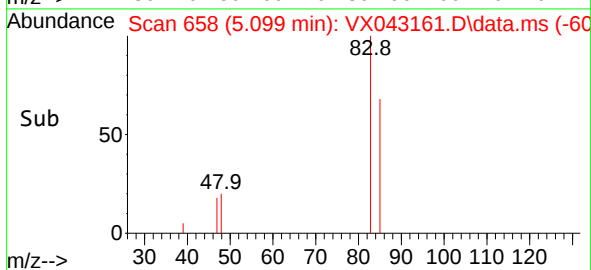
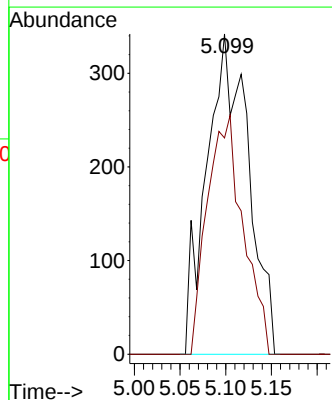
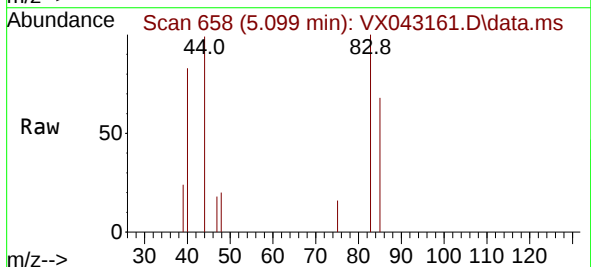
Instrument :
MSVOA_X
ClientSampleId :

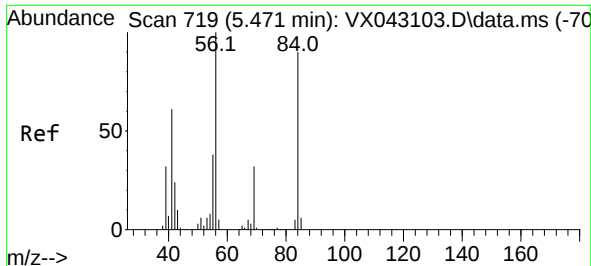
Tgt Ion: 77 Resp: 1756
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#30
Chloroform
Concen: 0.544 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

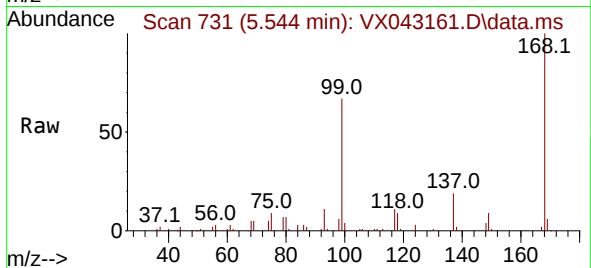
Tgt Ion: 83 Resp: 1086
Ion Ratio Lower Upper
83 100
85 67.5 52.4 78.6



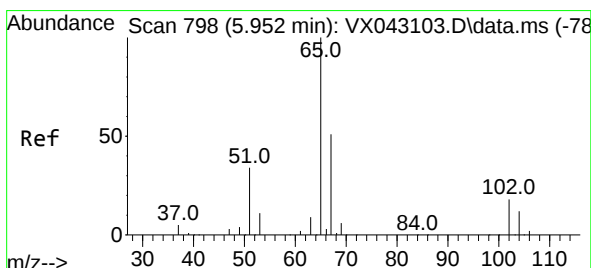
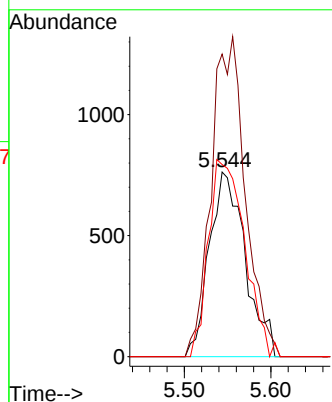
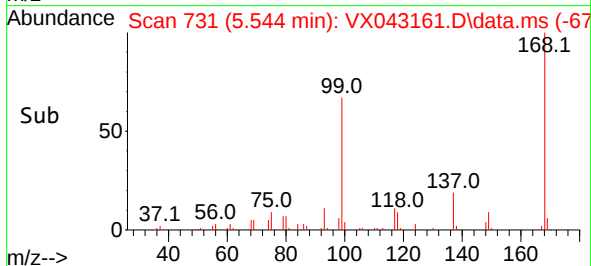


#31
Cyclohexane
Concen: 1.582 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Instrument :
MSVOA_X
ClientSampleId :

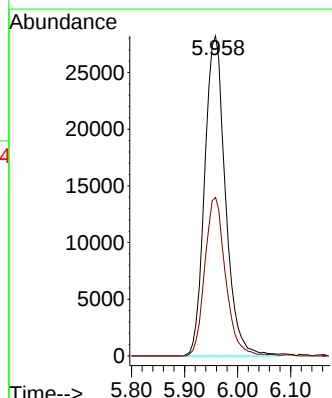
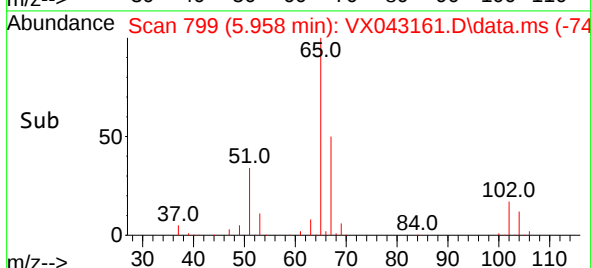
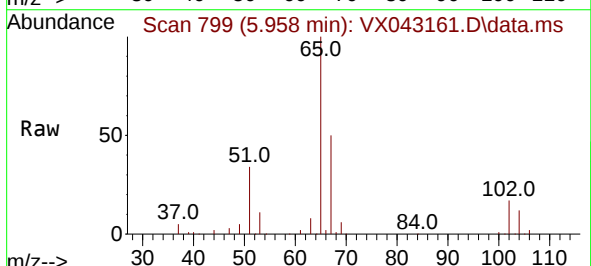


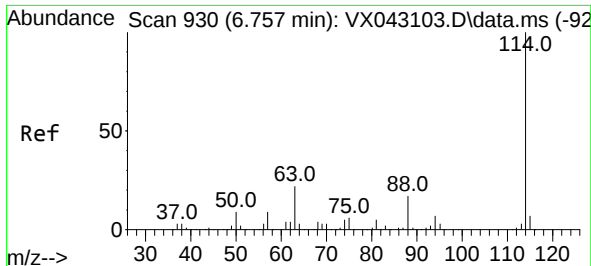
Tgt Ion: 56 Resp: 2195
Ion Ratio Lower Upper
56 100
69 163.8 25.8 38.6#
84 104.1 72.4 108.6



#33
1,2-Dichloroethane-d4
Concen: 54.439 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Tgt Ion: 65 Resp: 76787
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.0

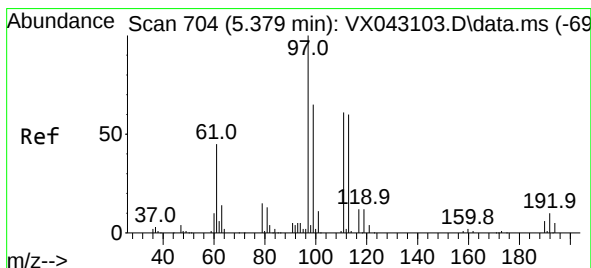
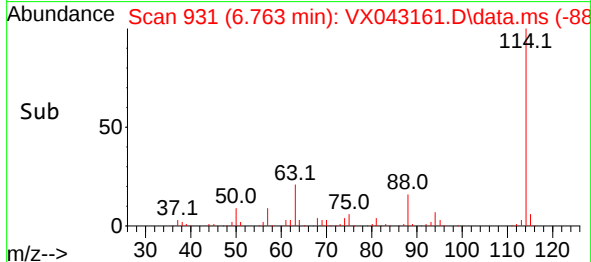
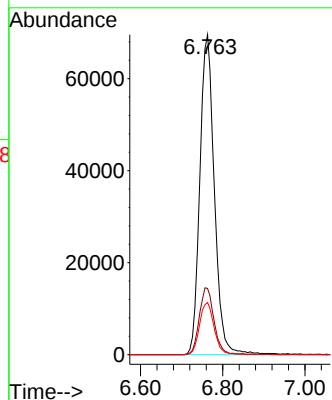
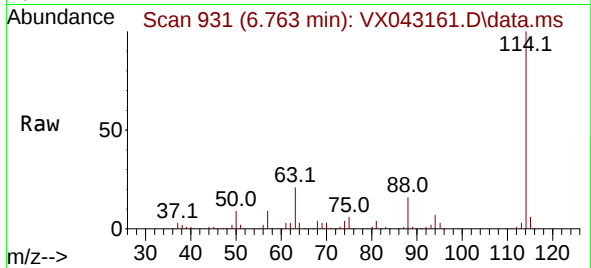




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

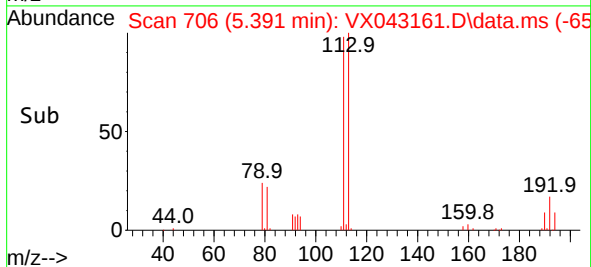
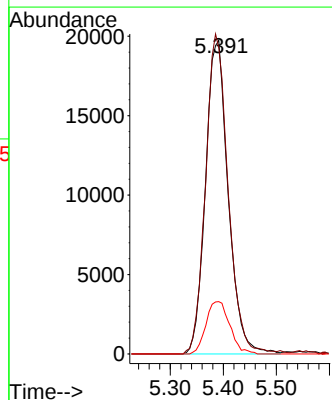
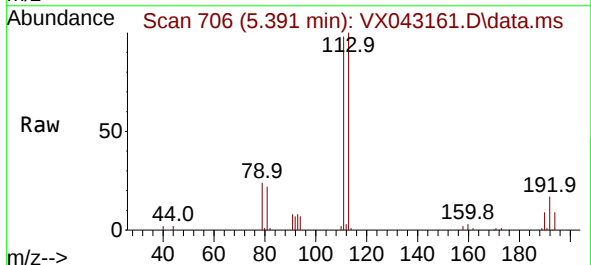
Instrument :
MSVOA_X
ClientSampleId :

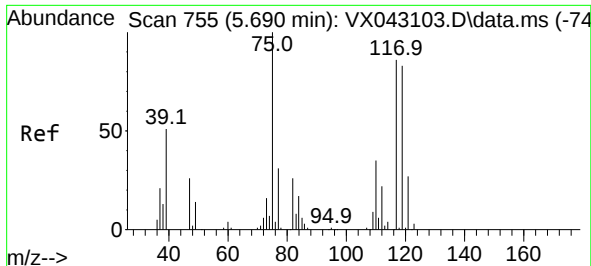
Tgt Ion:114 Resp: 170565
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 16.3 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.841 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

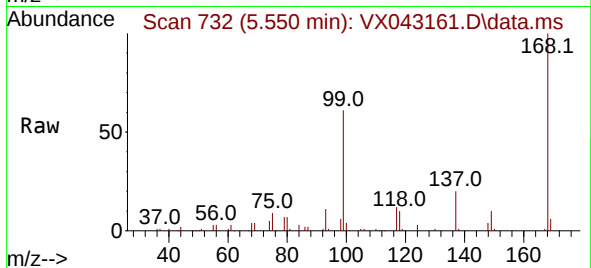
Tgt Ion:113 Resp: 58767
Ion Ratio Lower Upper
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111 101.4 82.6 124.0
192 17.4 14.6 22.0



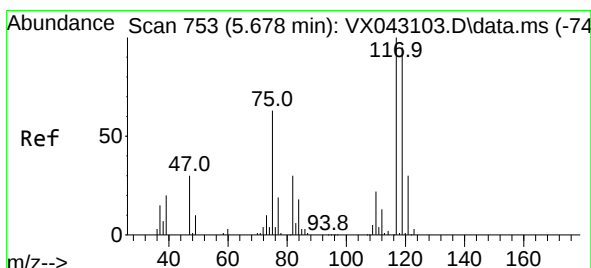
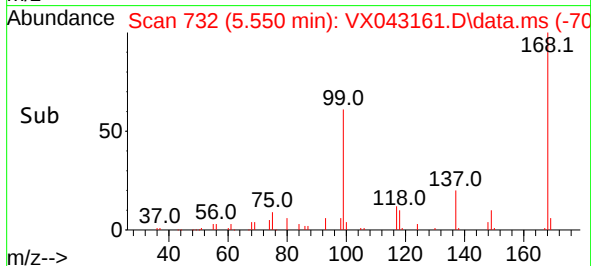
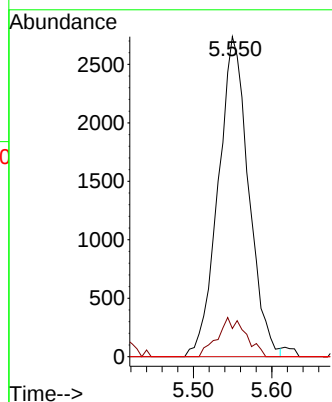


#36
1,1-Dichloropropene
Concen: 5.000 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Instrument :
MSVOA_X
ClientSampleId :

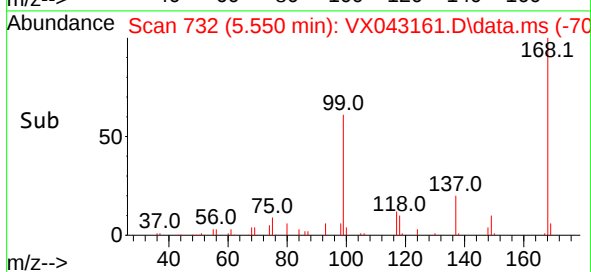
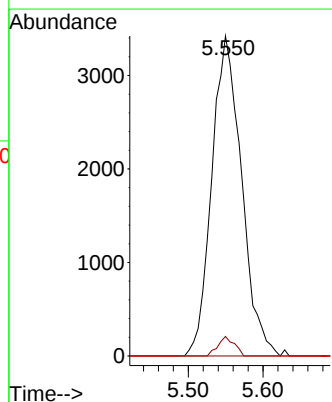
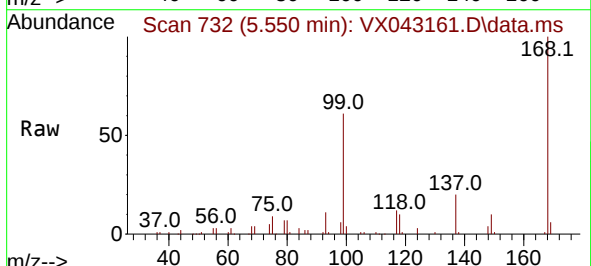


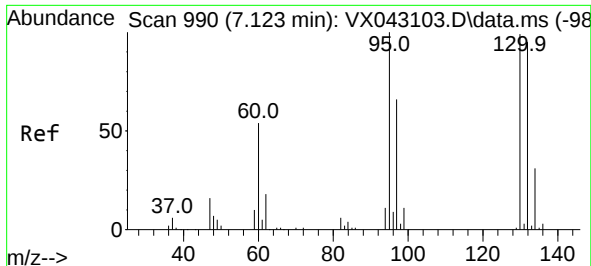
Tgt Ion: 75 Resp: 7392
Ion Ratio Lower Upper
75 100
110 11.3 17.8 53.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 4.976 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Tgt Ion: 117 Resp: 9476
Ion Ratio Lower Upper
117 100
119 6.1 75.5 113.3#
121 0.0 24.2 36.2#





#44

Trichloroethene

Concen: 13.835 ug/l

RT: 7.129 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043161.D

Acq: 25 Sep 2024 18:16

Instrument :

MSVOA_X

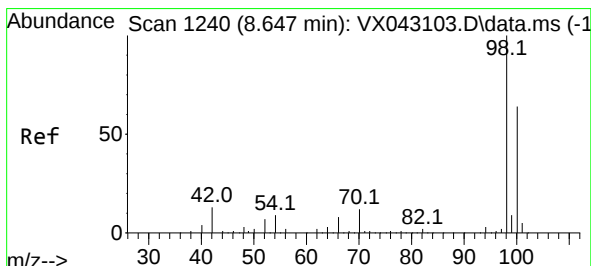
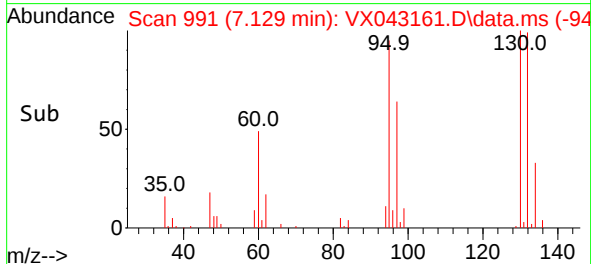
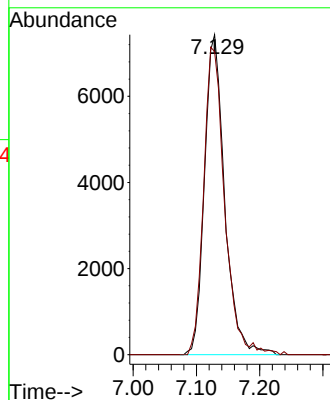
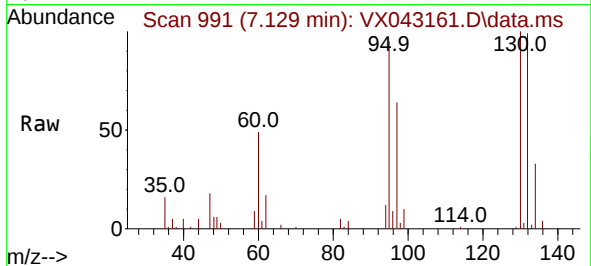
ClientSampleId :

Tgt Ion:130 Resp: 16514

Ion Ratio Lower Upper

130 100

95 94.7 0.0 201.6



#50

Toluene-d8

Concen: 51.346 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043161.D

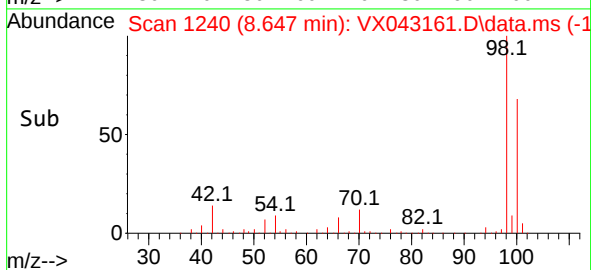
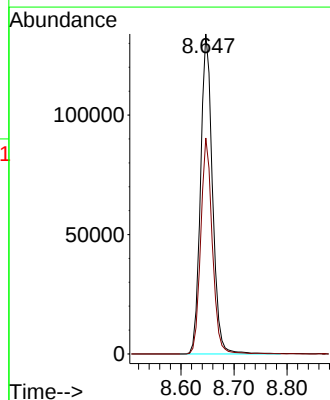
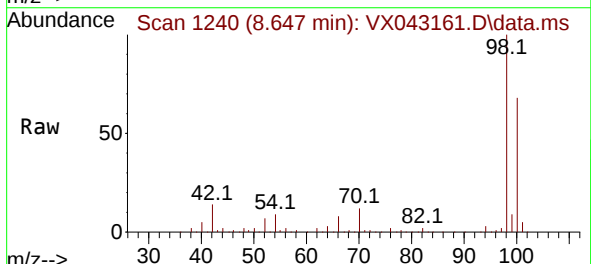
Acq: 25 Sep 2024 18:16

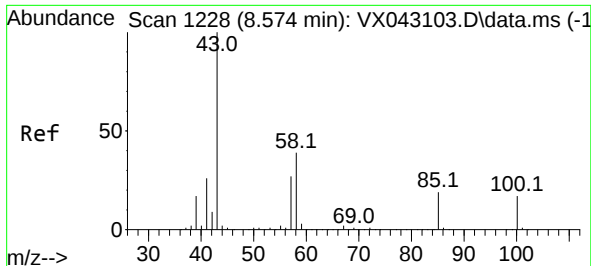
Tgt Ion: 98 Resp: 209017

Ion Ratio Lower Upper

98 100

100 65.5 52.2 78.4

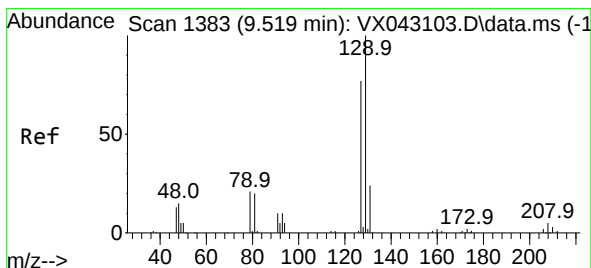
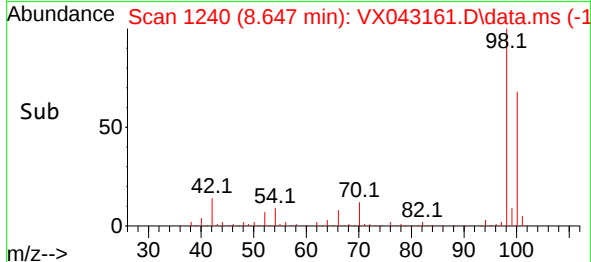
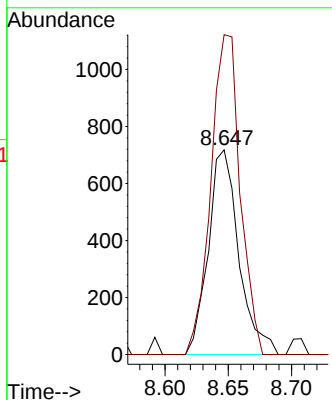
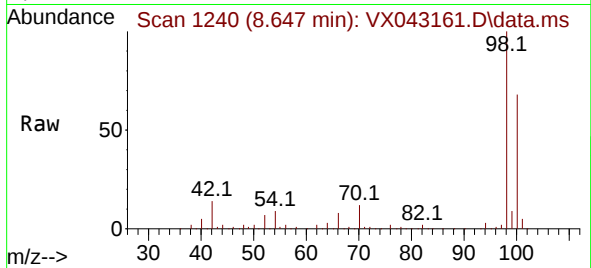




#51
4-Methyl-2-Pentanone
Concen: 0.633 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

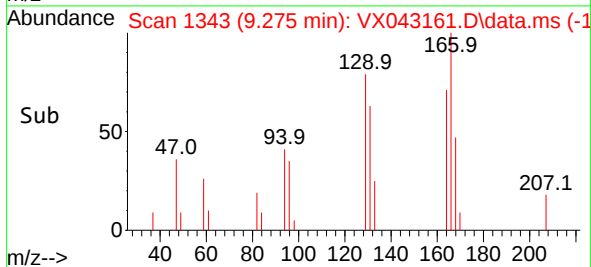
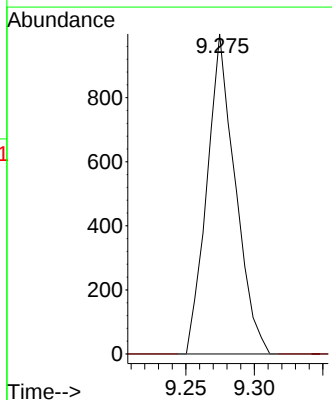
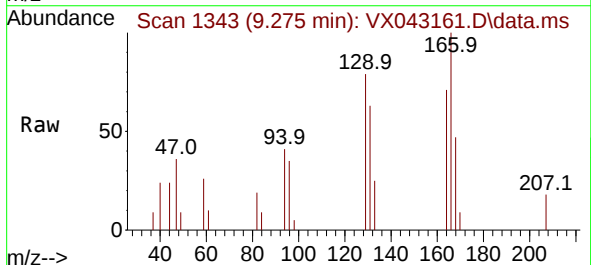
Instrument :
MSVOA_X
ClientSampleId :

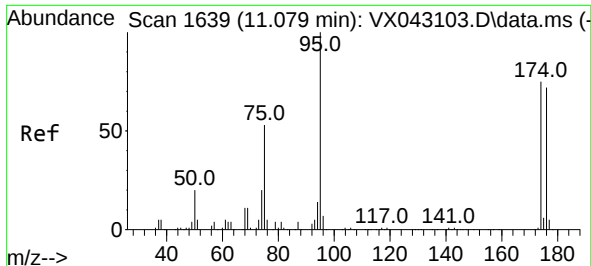
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
58 150.1 30.3 45.5#



#60
Dibromochloromethane
Concen: 0.951 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Tgt Ion: 129 Resp: 1436
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 52.729 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043161.D

Acq: 25 Sep 2024 18:16

Instrument :

MSVOA_X

ClientSampleId :

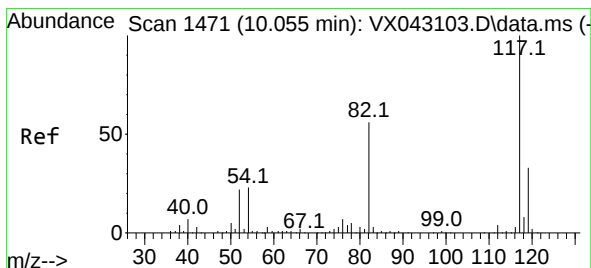
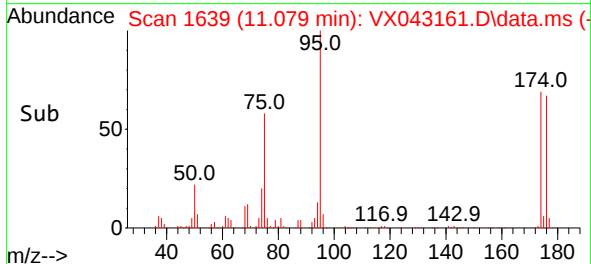
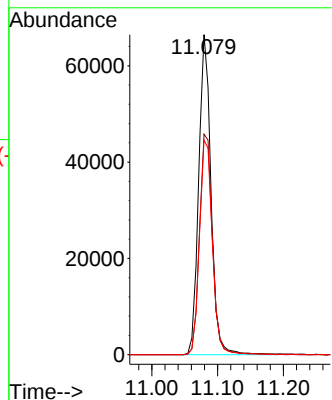
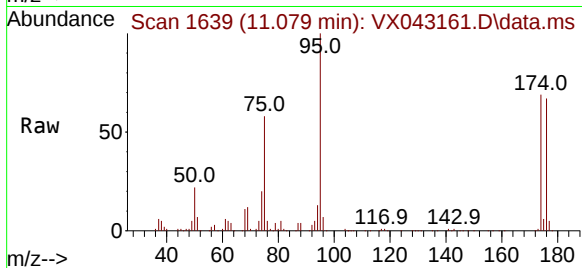
Tgt Ion: 95 Resp: 86441

Ion Ratio Lower Upper

95 100

174 72.6 0.0 146.0

176 70.2 0.0 142.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043161.D

Acq: 25 Sep 2024 18:16

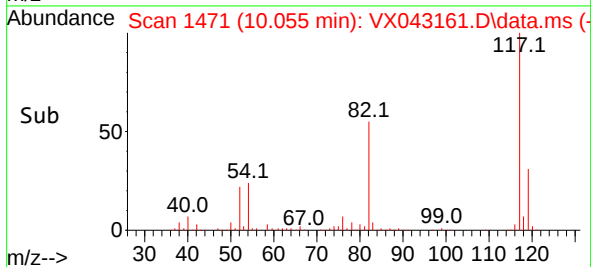
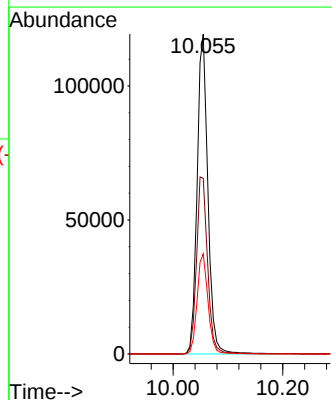
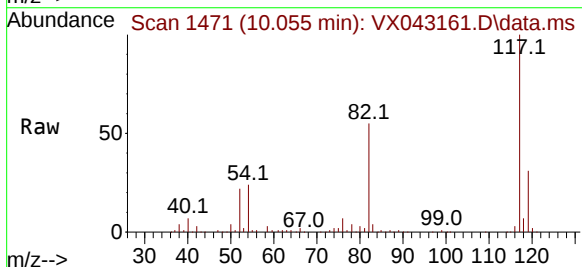
Tgt Ion: 117 Resp: 163590

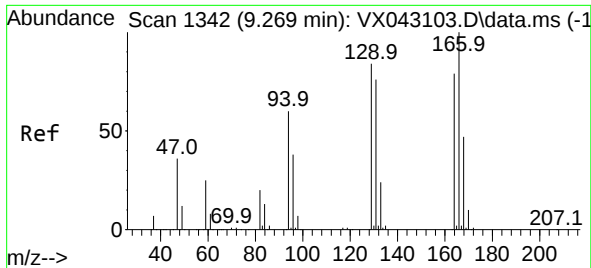
Ion Ratio Lower Upper

117 100

82 54.9 44.7 67.1

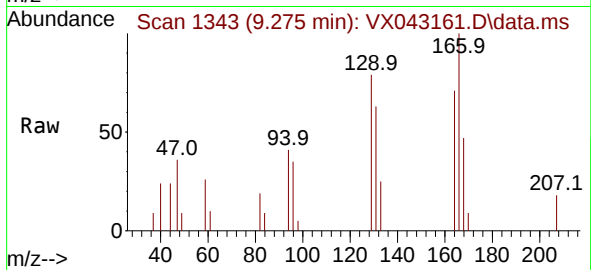
119 31.3 26.3 39.5



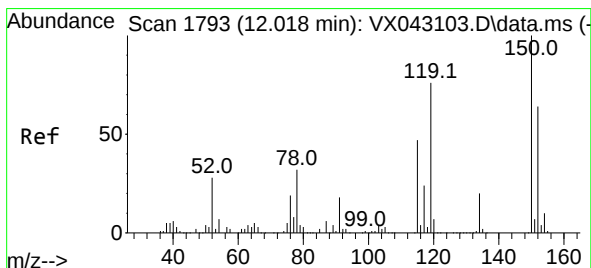
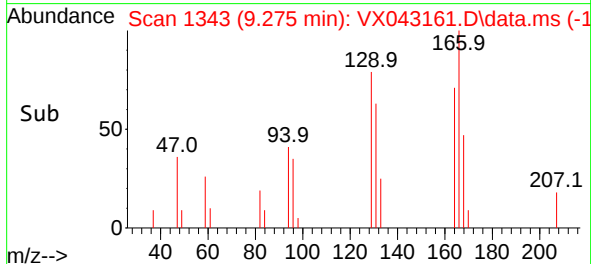
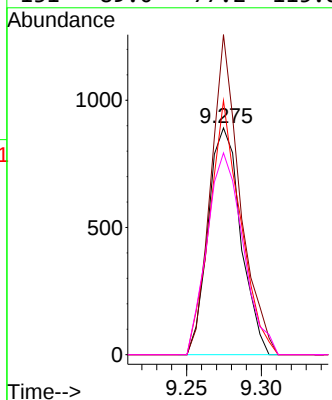


#64
Tetrachloroethene
Concen: 1.140 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Instrument :
MSVOA_X
ClientSampleId :

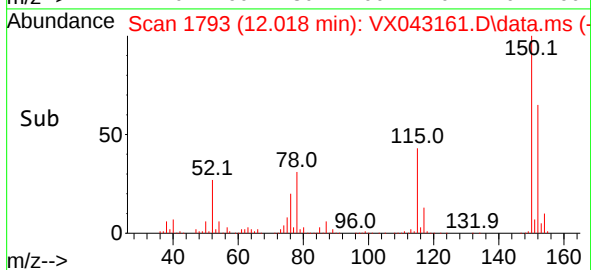
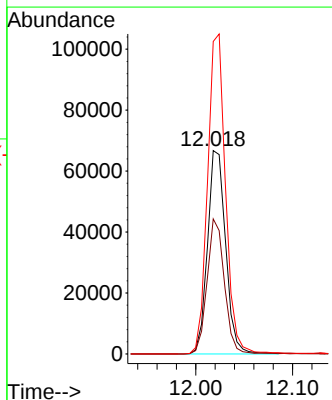
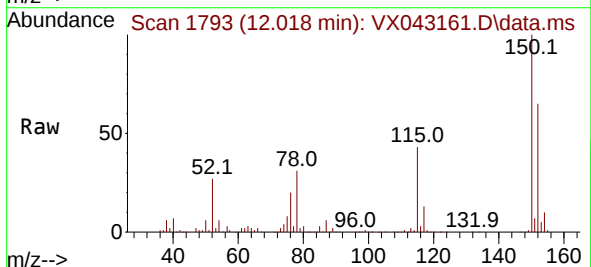


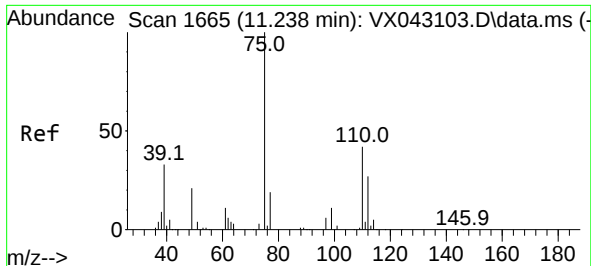
Tgt Ion:164 Resp: 1351
Ion Ratio Lower Upper
164 100
166 141.2 101.2 151.8
129 112.1 84.7 127.1
131 89.0 77.2 115.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Tgt Ion:152 Resp: 87345
Ion Ratio Lower Upper
152 100
115 63.5 43.7 131.1
150 155.8 0.0 344.6

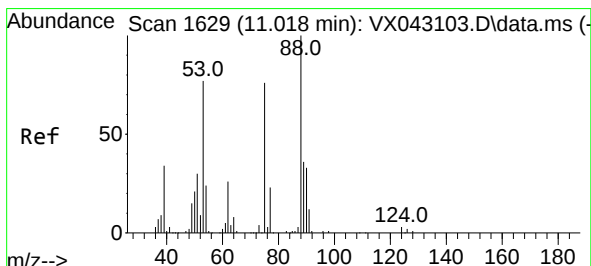
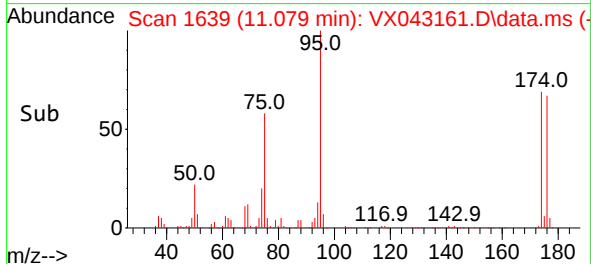
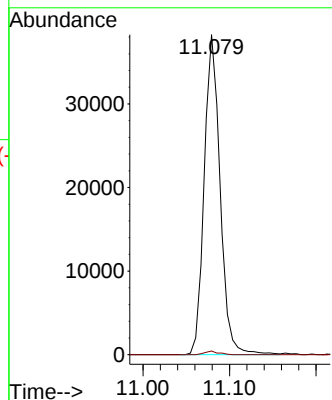
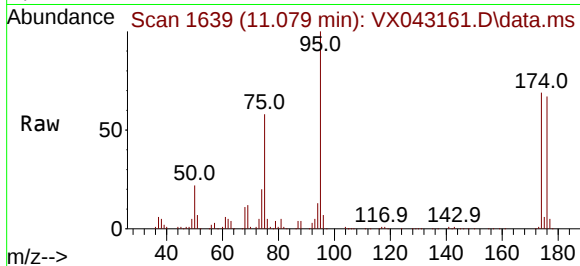




#76
1,2,3-Trichloropropane
Concen: 26.292 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

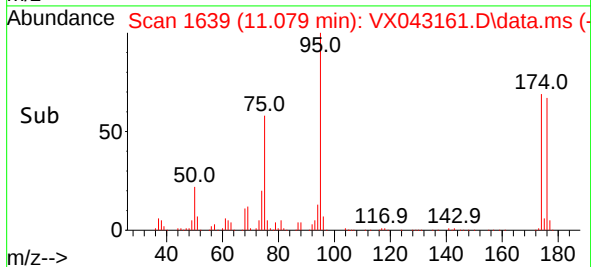
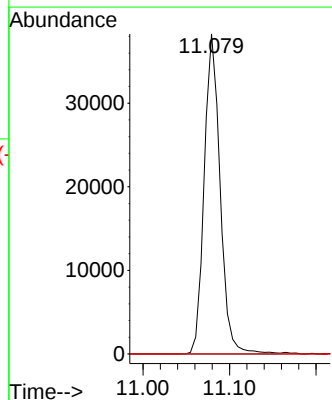
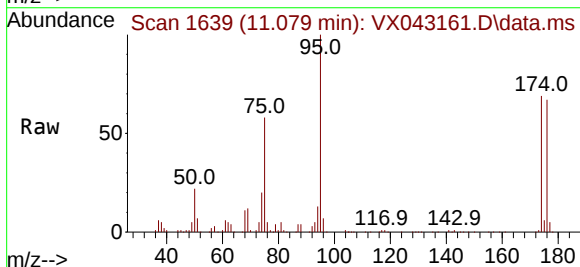
Instrument :
MSVOA_X
ClientSampleId :

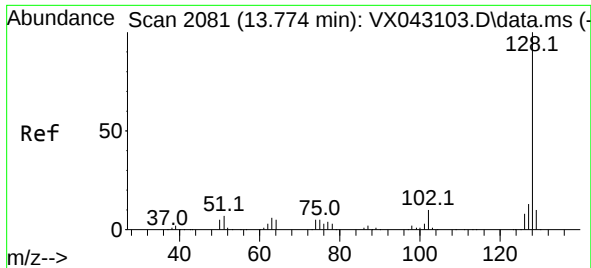
Tgt Ion: 75 Resp: 48825
Ion Ratio Lower Upper
75 100
77 1.0 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.643 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

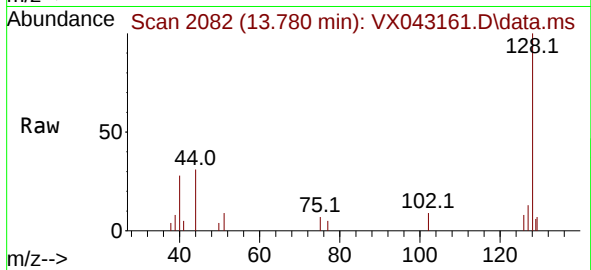
Tgt Ion: 75 Resp: 48825
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.396 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043161.D
Acq: 25 Sep 2024 18:16

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.7	10.2	15.4#
129	6.1	8.6	13.0#

