

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043160.D
 Acq On : 25 Sep 2024 17:53
 Operator : JC/MD
 Sample : P4164-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D1-20240920

Quant Time: Sep 26 01:39:24 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)

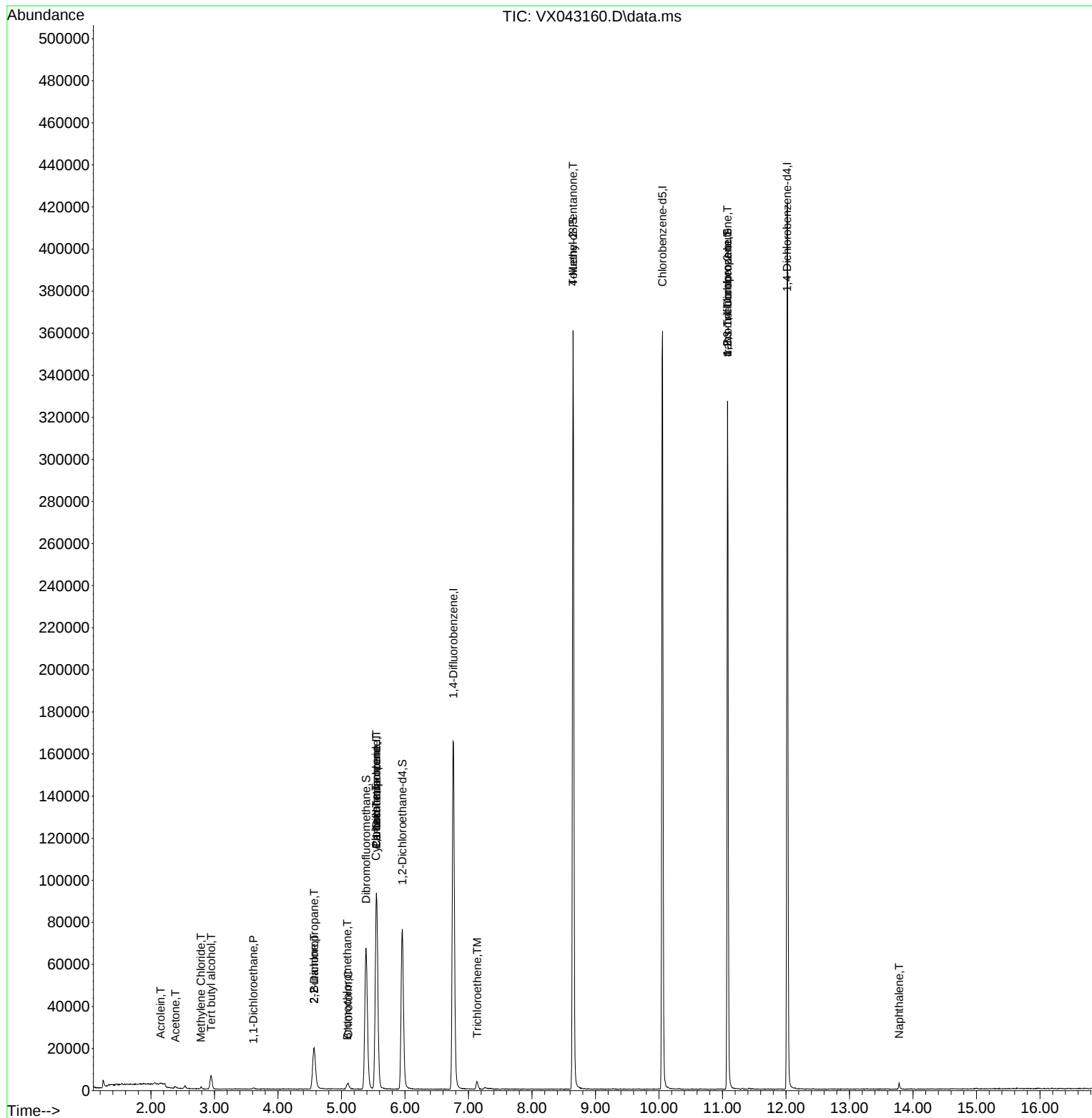
Internal Standards						
1) Pentafluorobenzene	5.550	168	84584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	169748	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76818	54.676	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.360%	
35) Dibromofluoromethane	5.385	113	58612	48.947	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.900%	
50) Toluene-d8	8.647	98	207514	51.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.440%	
62) 4-Bromofluorobenzene	11.079	95	87064	53.364	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.720%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	3529	11.250	ug/l #	73
13) Acrolein	2.154	56	20	0.484	ug/l #	1
16) Acetone	2.386	43	1214	1.848	ug/l	92
20) Methylene Chloride	2.788	84	395	0.378	ug/l #	67
24) 1,1-Dichloroethane	3.611	63	898	0.498	ug/l #	81
25) 2-Butanone	4.568	43	1406	1.660	ug/l #	49
26) 2,2-Dichloropropane	4.568	77	1594	0.874	ug/l #	54
28) Bromochloromethane	5.093	49	191	0.241	ug/l #	10
30) Chloroform	5.105	83	3494	1.758	ug/l	97
31) Cyclohexane	5.544	56	2127	1.539	ug/l #	44
36) 1,1-Dichloropropene	5.550	75	7551	5.132	ug/l #	49
38) Carbon Tetrachloride	5.550	117	9598	5.064	ug/l #	16
44) Trichloroethene	7.135	130	1517	1.277	ug/l	92
51) 4-Methyl-2-Pentanone	8.647	43	1154	0.609	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	47785	26.632	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	47785	63.454	ug/l #	7
95) Naphthalene	13.780	128	2413	0.410	ug/l	96

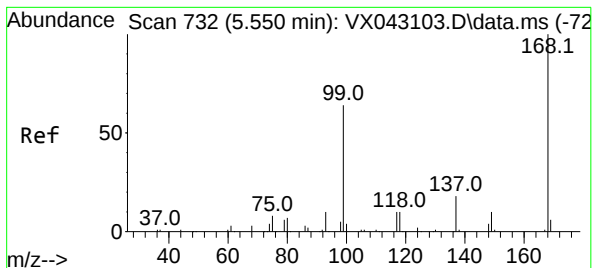
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX043160.D

Acq: 25 Sep 2024 17:53

Instrument :

MSVOA_X

ClientSampleId :

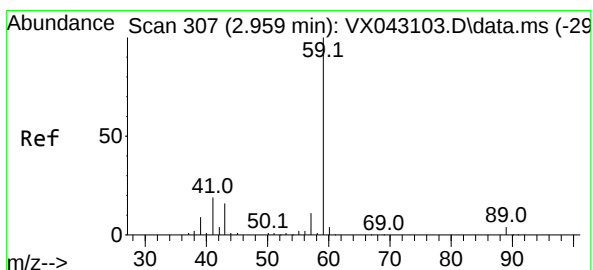
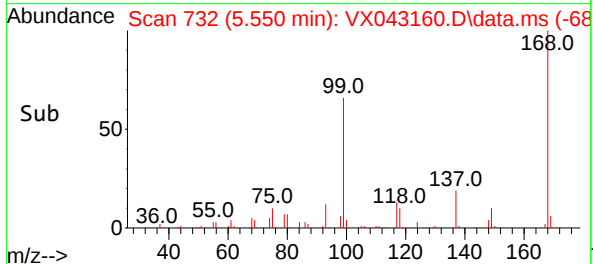
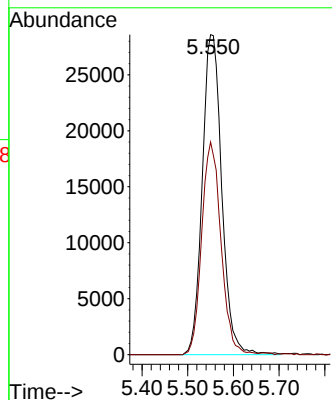
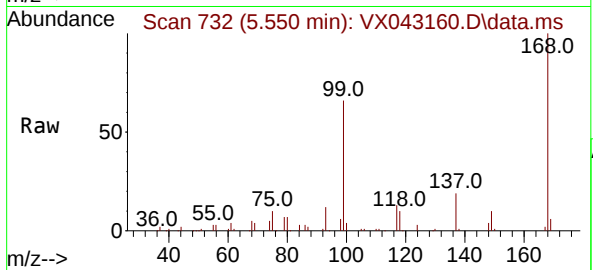
RE135D1-20240920

Tgt Ion:168 Resp: 84584

Ion Ratio Lower Upper

168 100

99 66.5 50.8 76.2



#11

Tert butyl alcohol

Concen: 11.250 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX043160.D

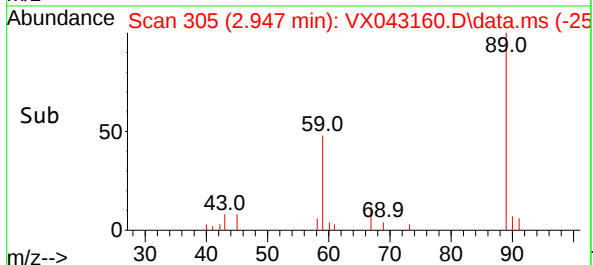
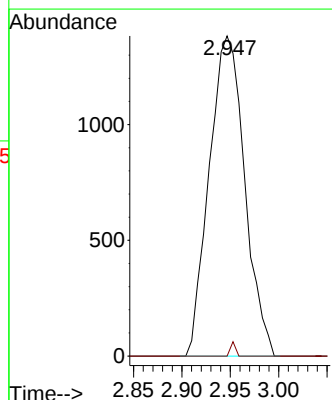
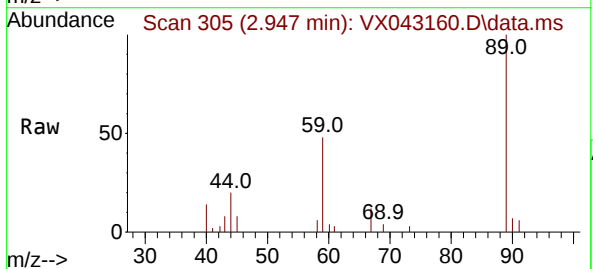
Acq: 25 Sep 2024 17:53

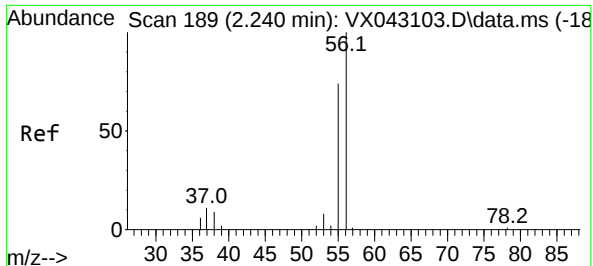
Tgt Ion: 59 Resp: 3529

Ion Ratio Lower Upper

59 100

57 0.7 8.6 13.0#

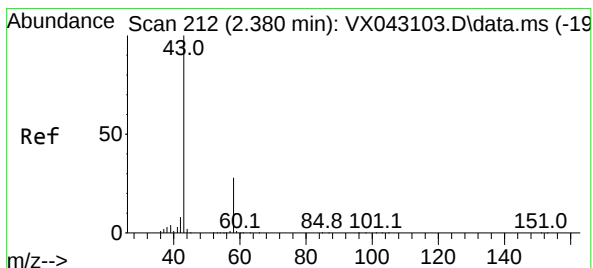
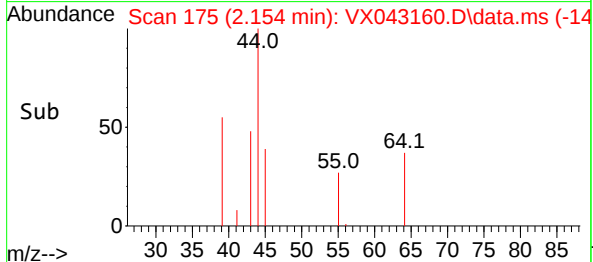
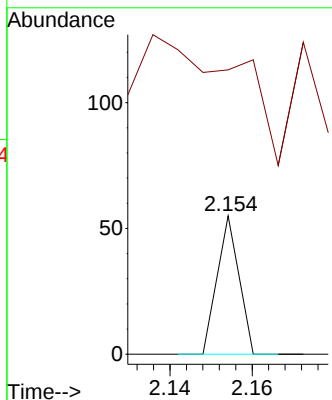
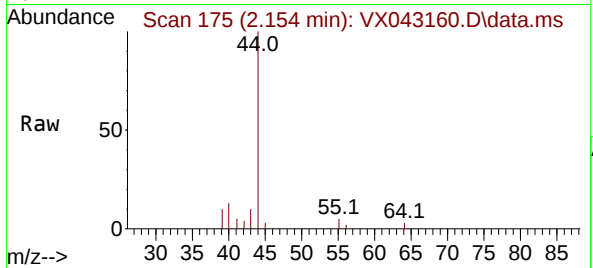




#13
Acrolein
Concen: 0.484 ug/l
RT: 2.154 min Scan# 11
Delta R.T. -0.085 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

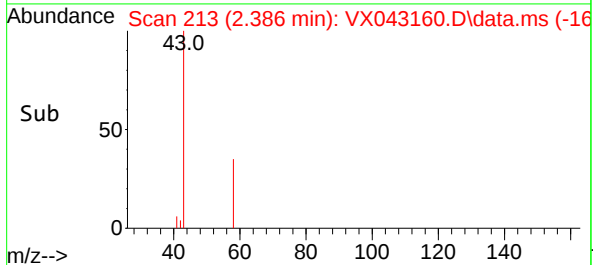
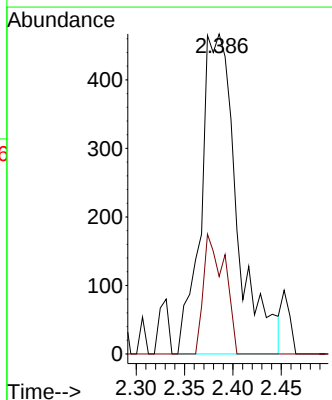
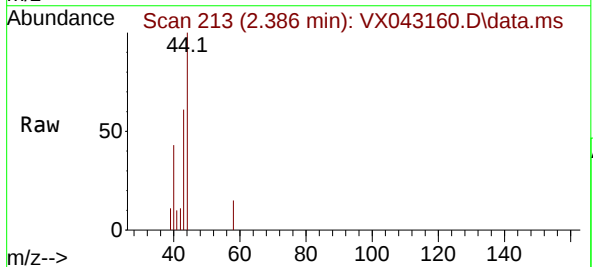
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

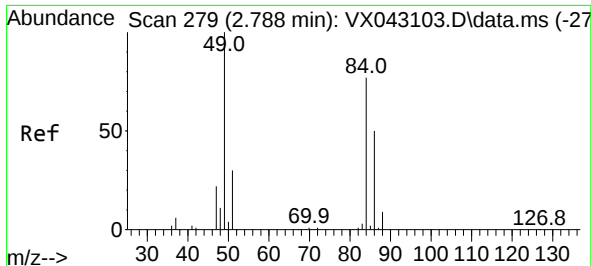
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 1790.0 55.8 83.6#



#16
Acetone
Concen: 1.848 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Tgt Ion: 43 Resp: 1214
Ion Ratio Lower Upper
43 100
58 24.2 22.6 34.0

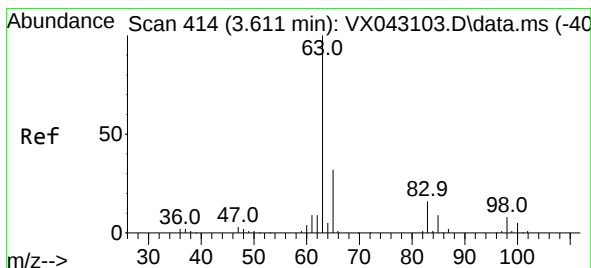
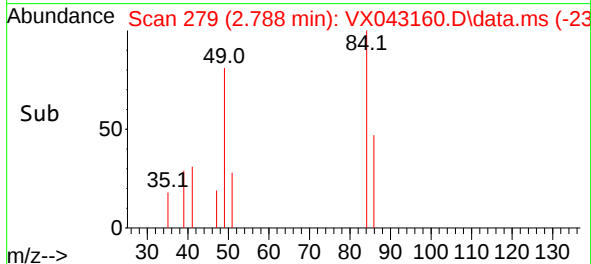
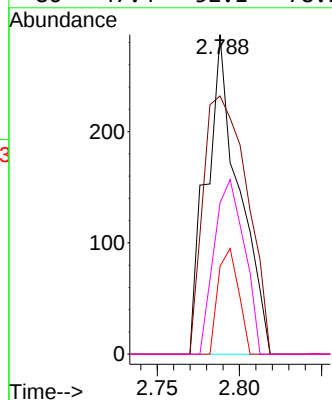
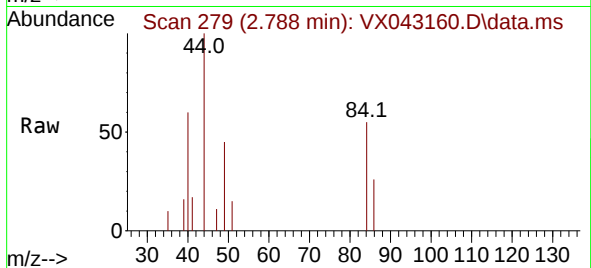




#20
Methylene Chloride
Concen: 0.378 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

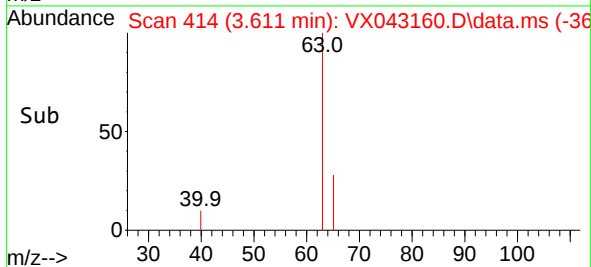
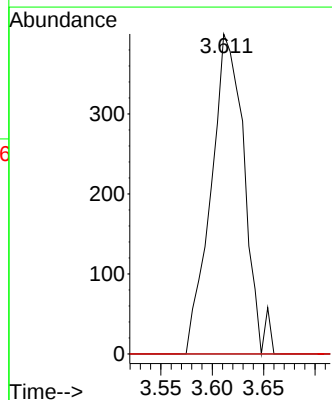
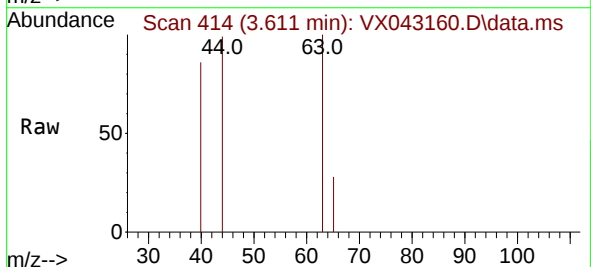
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

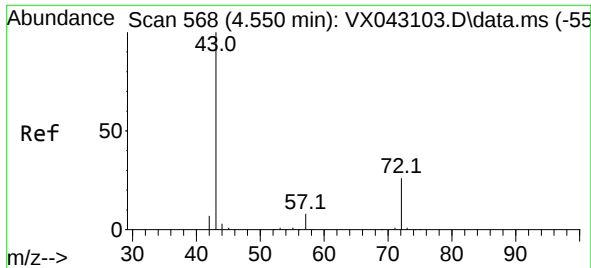
Tgt Ion:	84	Resp:	395
Ion	Ratio	Lower	Upper
84	100		
49	80.8	104.1	156.1#
51	27.5	31.1	46.7#
86	47.4	52.1	78.1#



#24
1,1-Dichloroethane
Concen: 0.498 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Tgt Ion:	63	Resp:	898
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.5#
100	0.0	2.5	7.6#

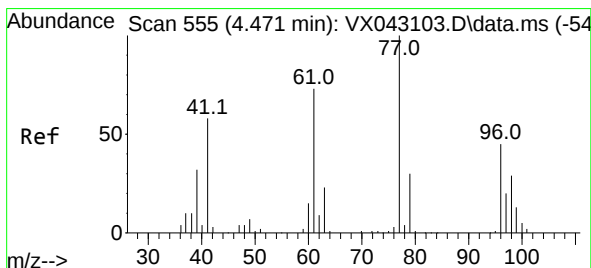
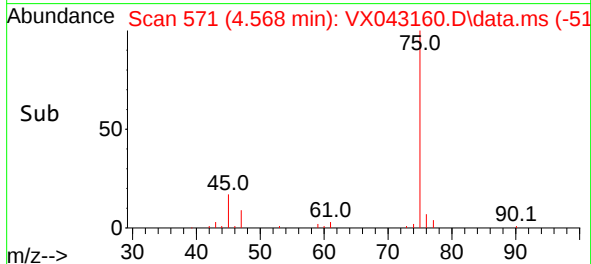
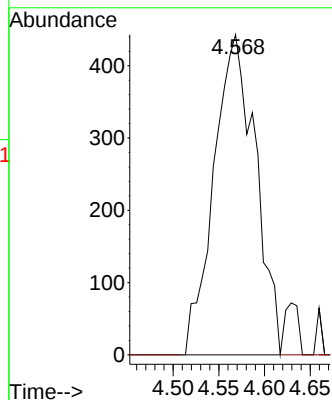
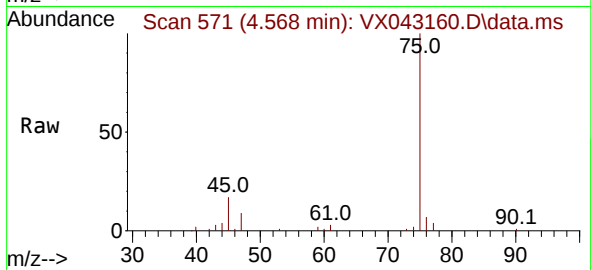




#25
2-Butanone
Concen: 1.660 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

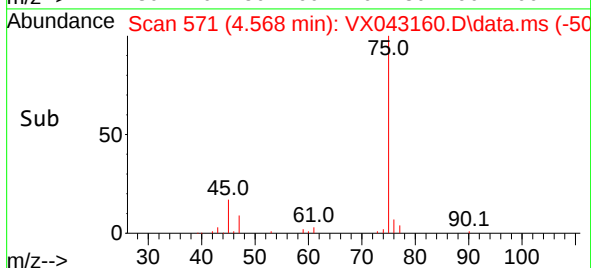
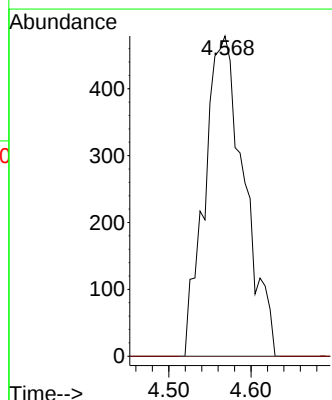
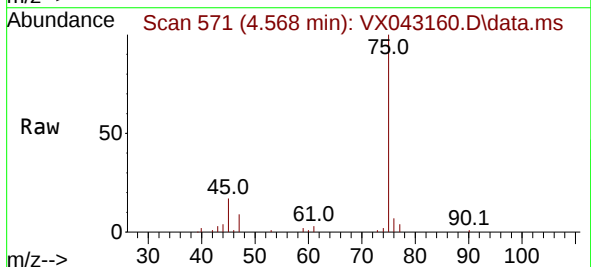
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

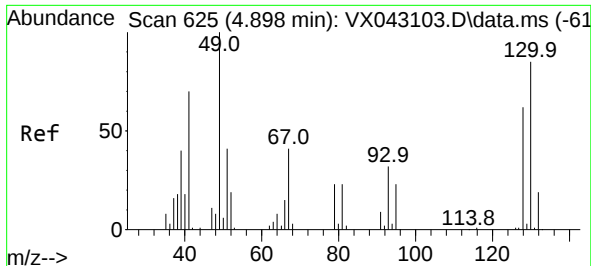
Tgt Ion: 43 Resp: 1406
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#26
2,2-Dichloropropane
Concen: 0.874 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.098 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Tgt Ion: 77 Resp: 1594
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#





#28

Bromochloromethane

Concen: 0.241 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.195 min

Lab File: VX043160.D

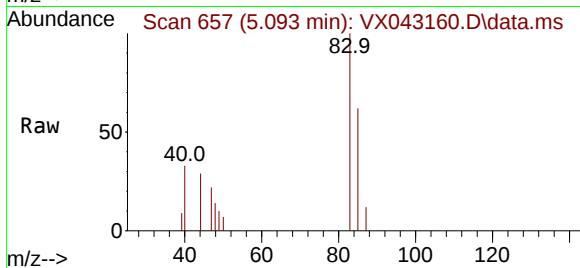
Acq: 25 Sep 2024 17:53

Instrument :

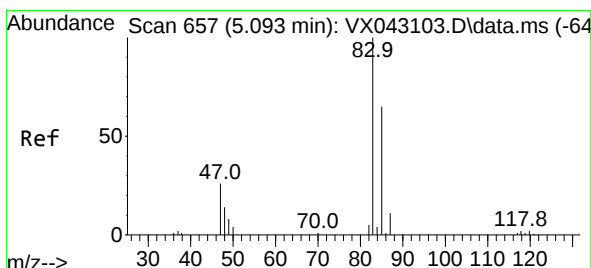
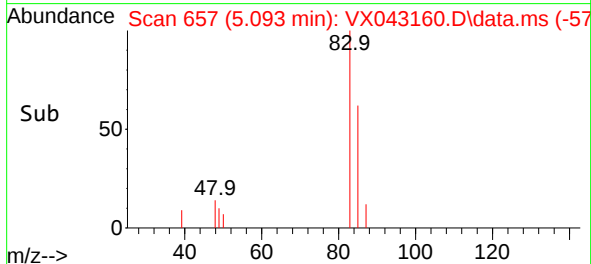
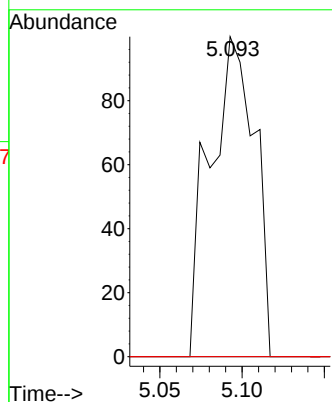
MSVOA_X

ClientSampleId :

RE135D1-20240920



Tgt Ion: 49	Resp: 191
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.2
130	0.0 66.6 100.0



#30

Chloroform

Concen: 1.758 ug/l

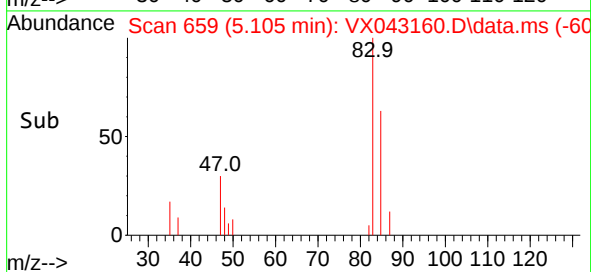
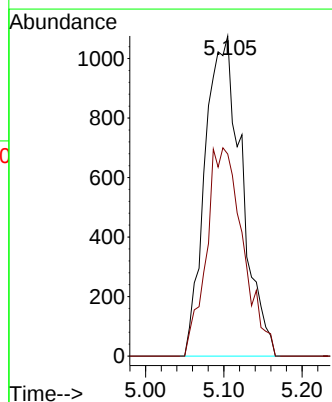
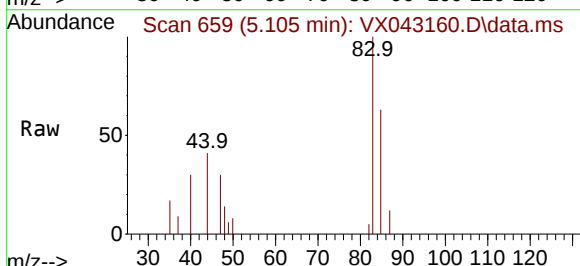
RT: 5.105 min Scan# 659

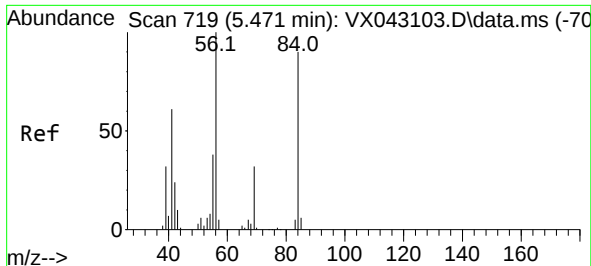
Delta R.T. 0.012 min

Lab File: VX043160.D

Acq: 25 Sep 2024 17:53

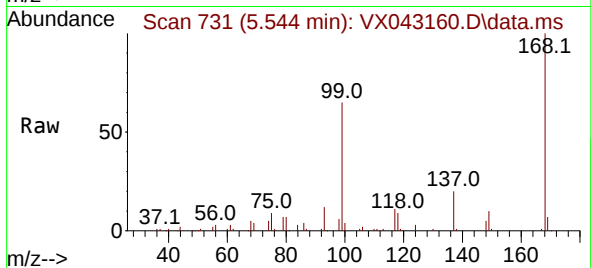
Tgt Ion: 83	Resp: 3494
Ion Ratio	Lower Upper
83	100
85	63.1 52.4 78.6



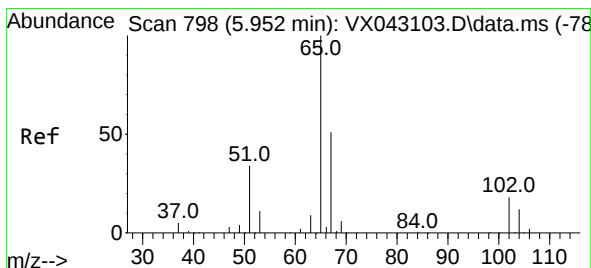
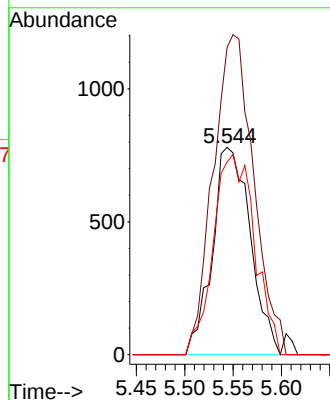
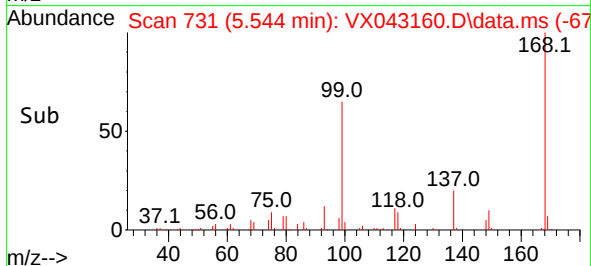


#31
Cyclohexane
Concen: 1.539 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

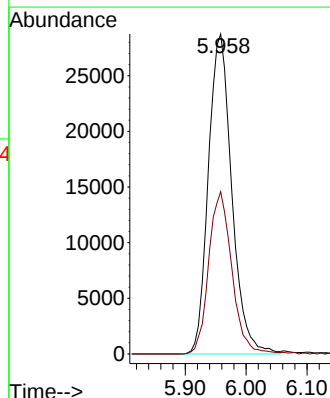
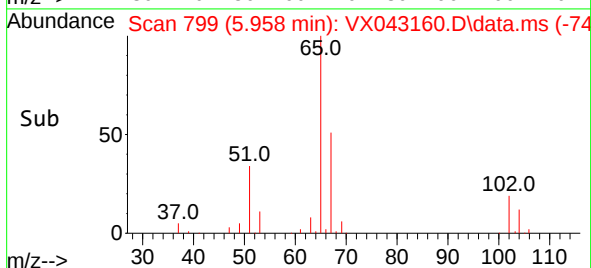
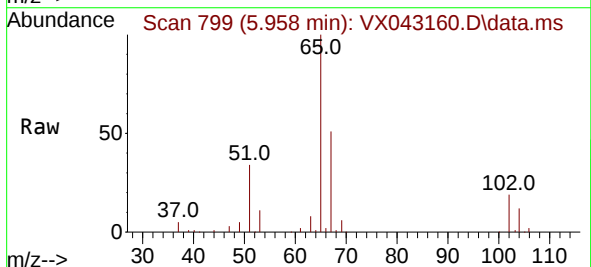


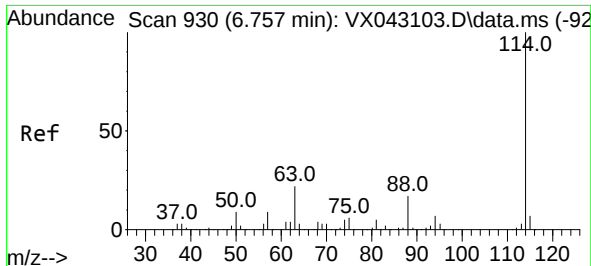
Tgt Ion: 56 Resp: 2127
Ion Ratio Lower Upper
56 100
69 148.2 25.8 38.6#
84 92.9 72.4 108.6



#33
1,2-Dichloroethane-d4
Concen: 54.676 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Tgt Ion: 65 Resp: 76818
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.0

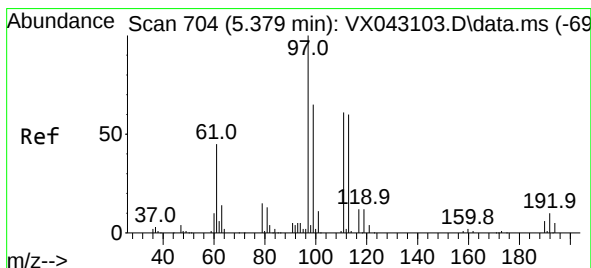
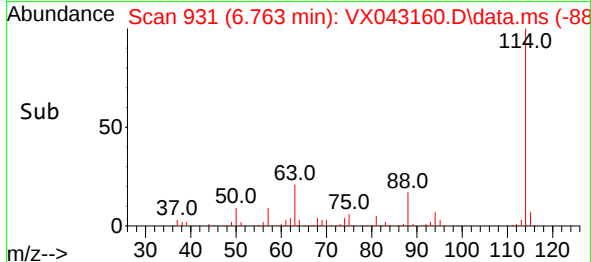
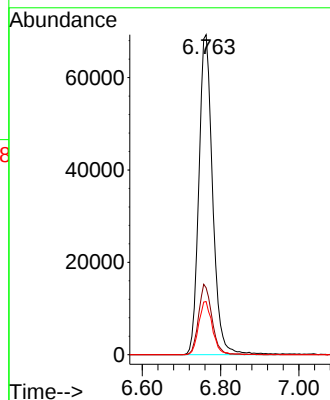
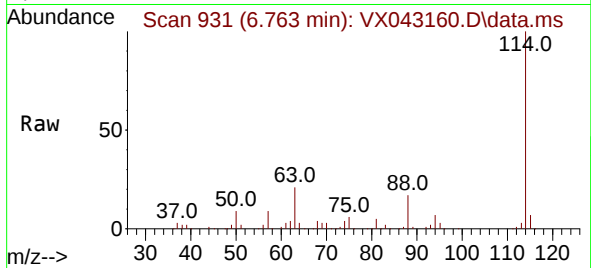




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

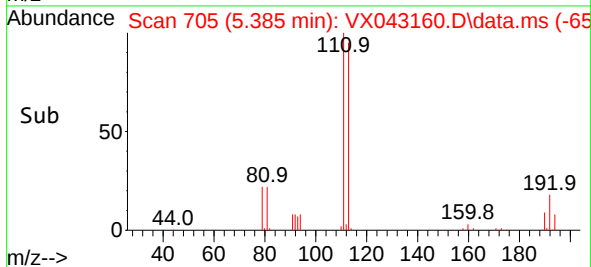
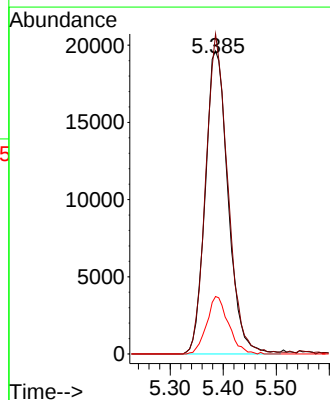
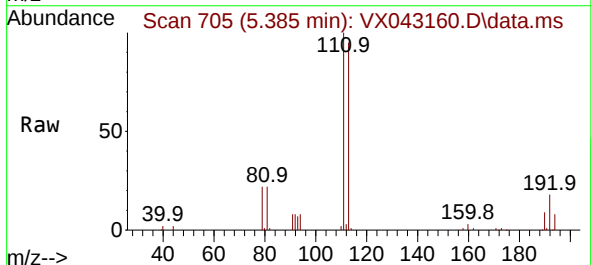
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

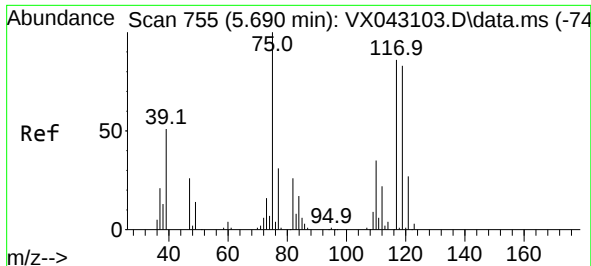
Tgt Ion:114 Resp: 169748
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.2
88 16.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.947 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Tgt Ion:113 Resp: 58612
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 18.0 14.6 22.0

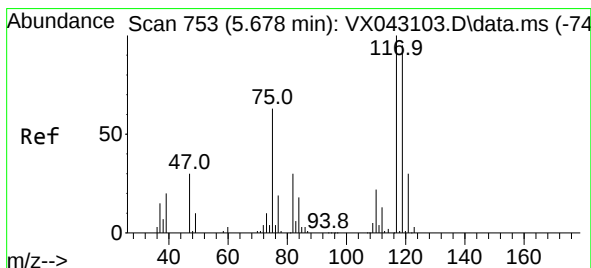
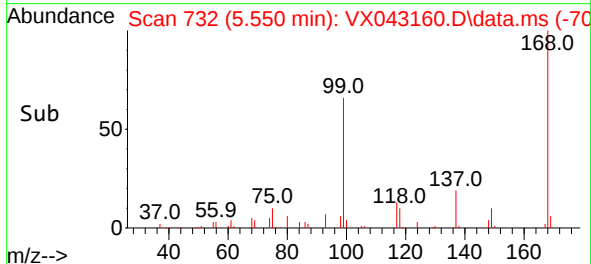
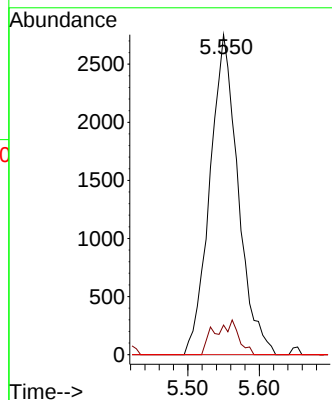
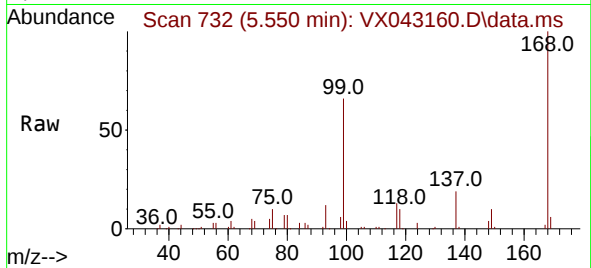




#36
1,1-Dichloropropene
Concen: 5.132 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

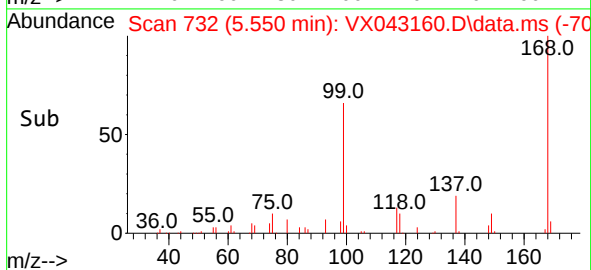
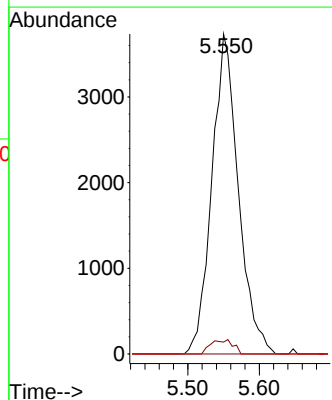
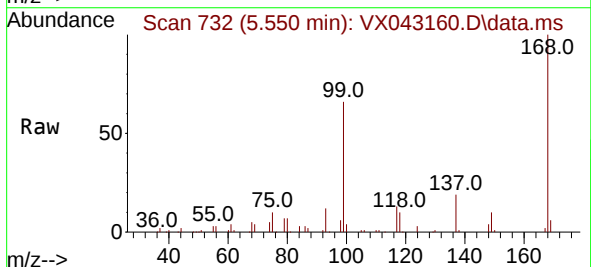
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

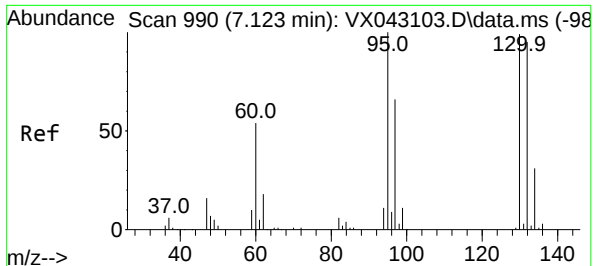
Tgt Ion: 75 Resp: 7551
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.064 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Tgt Ion: 117 Resp: 9598
Ion Ratio Lower Upper
117 100
119 3.7 75.5 113.3#
121 0.0 24.2 36.2#

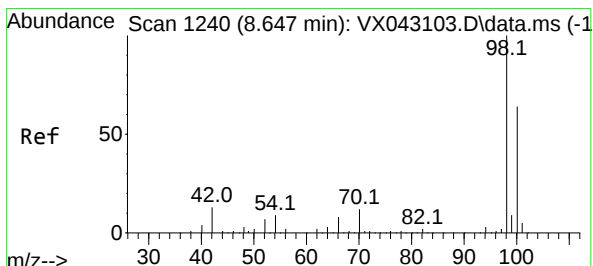
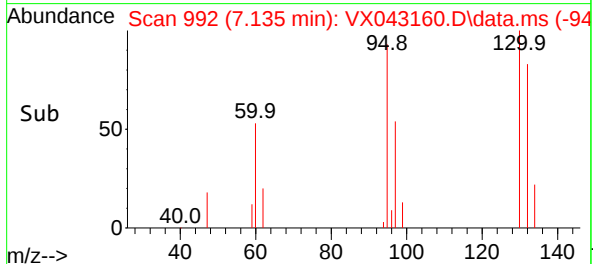
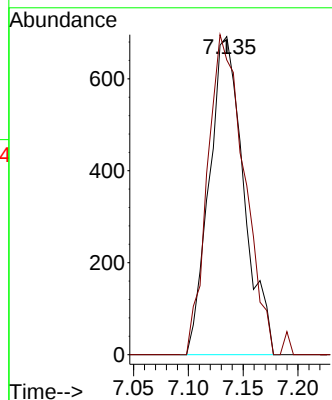
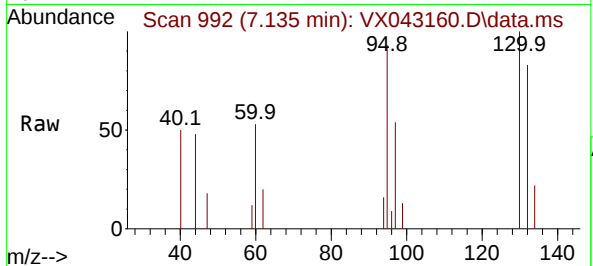




#44
Trichloroethene
Concen: 1.277 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

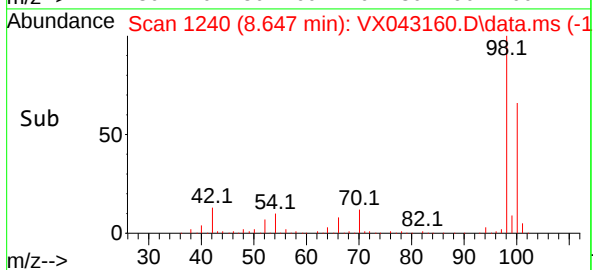
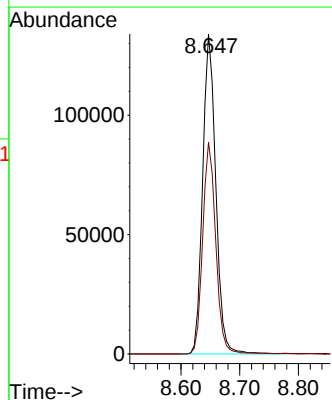
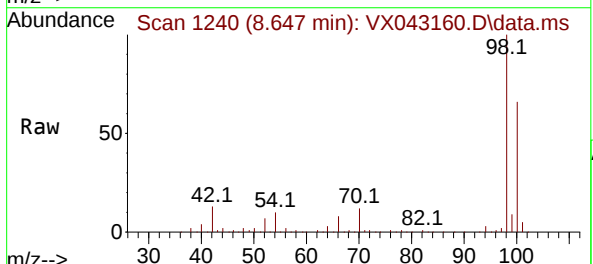
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

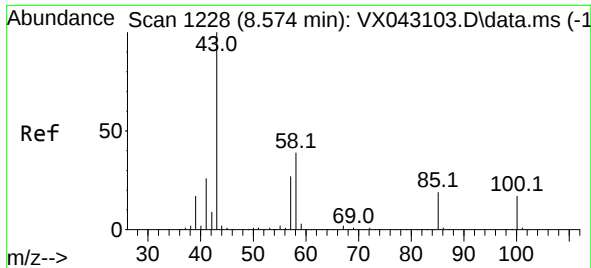
Tgt Ion:130 Resp: 1517
Ion Ratio Lower Upper
130 100
95 92.6 0.0 201.6



#50
Toluene-d8
Concen: 51.222 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Tgt Ion: 98 Resp: 207514
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4

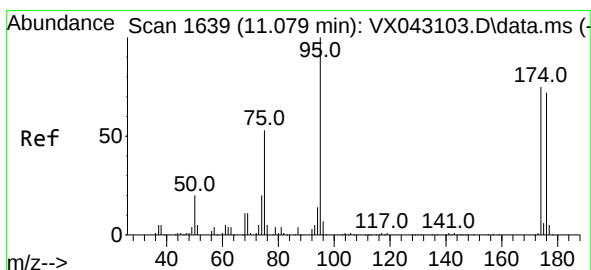
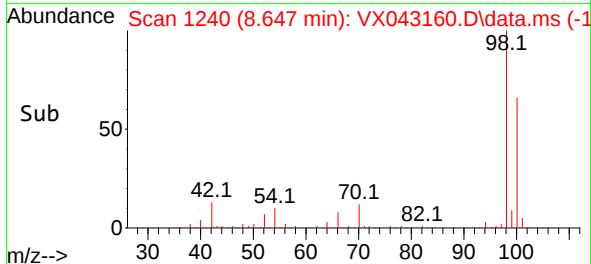
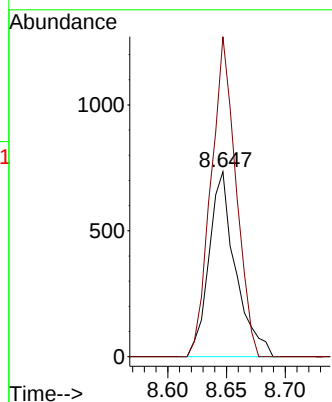
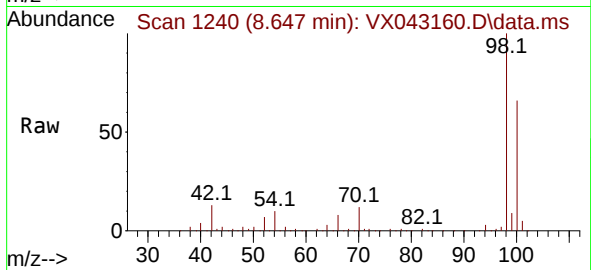




#51
4-Methyl-2-Pentanone
Concen: 0.609 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

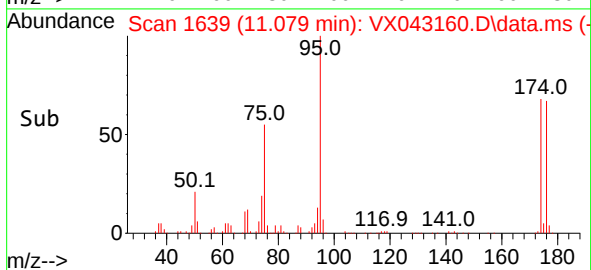
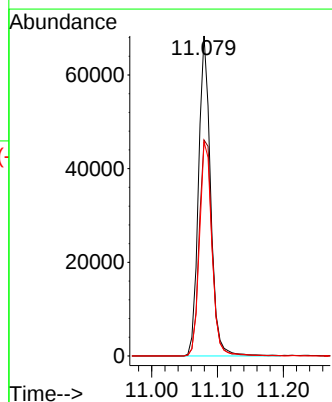
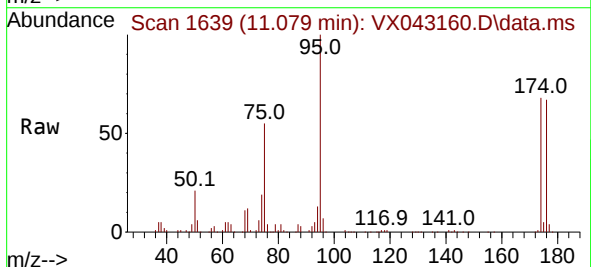
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

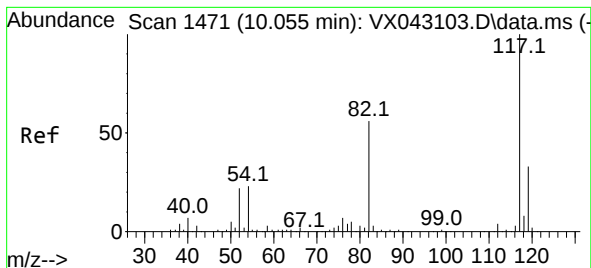
Tgt Ion: 43 Resp: 1154
Ion Ratio Lower Upper
43 100
58 162.4 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 53.364 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Tgt Ion: 95 Resp: 87064
Ion Ratio Lower Upper
95 100
174 72.2 0.0 146.0
176 69.3 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: VX043160.D

Acq: 25 Sep 2024 17:53

Instrument :

MSVOA_X

ClientSampleId :

RE135D1-20240920

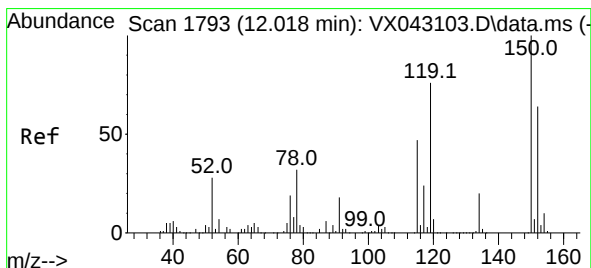
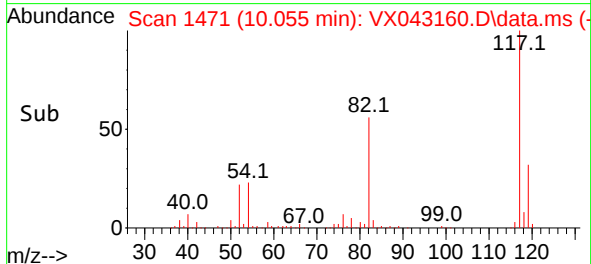
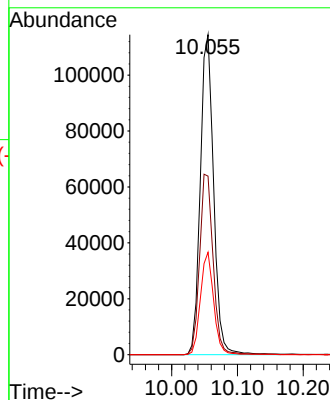
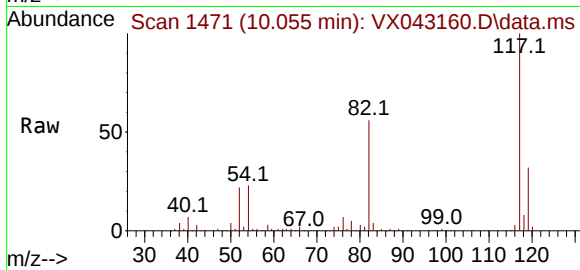
Tgt Ion:117 Resp: 161214

Ion Ratio Lower Upper

117 100

82 55.8 44.7 67.1

119 32.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX043160.D

Acq: 25 Sep 2024 17:53

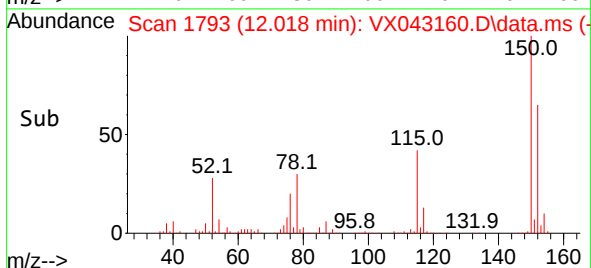
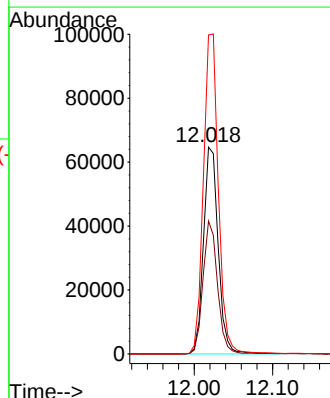
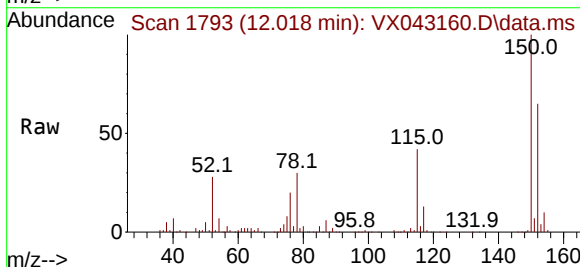
Tgt Ion:152 Resp: 84393

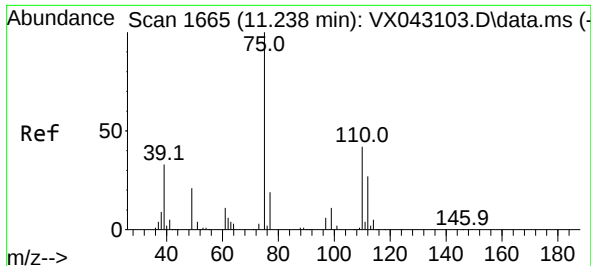
Ion Ratio Lower Upper

152 100

115 63.5 43.7 131.1

150 157.7 0.0 344.6

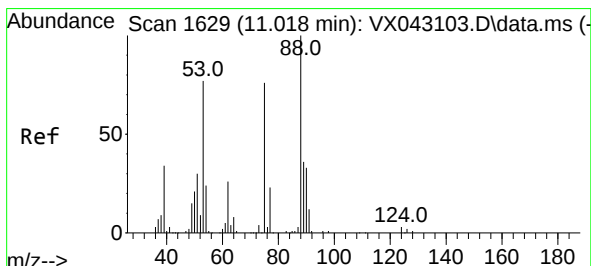
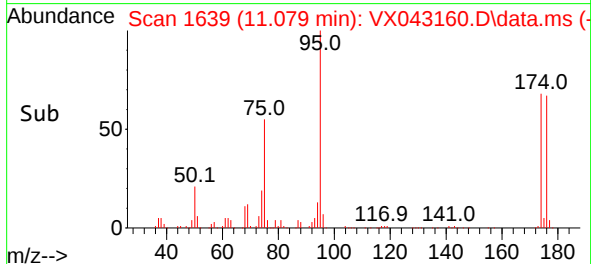
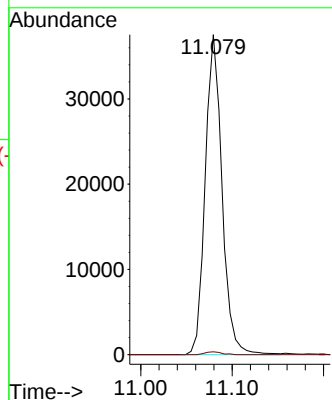
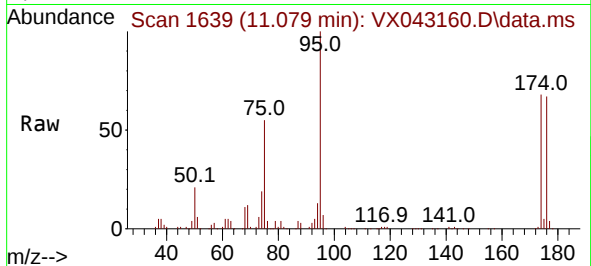




#76
1,2,3-Trichloropropane
Concen: 26.632 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

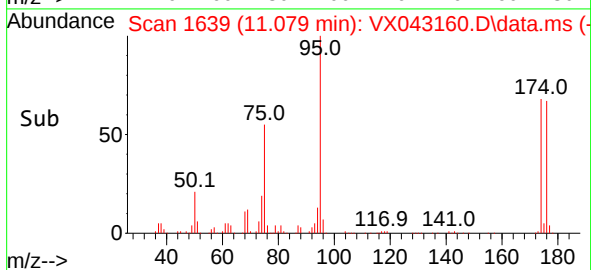
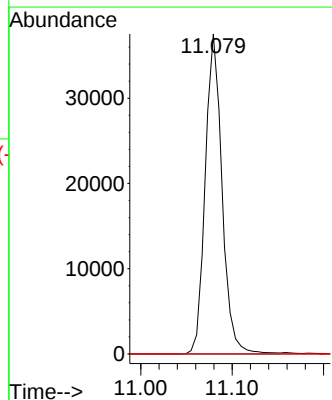
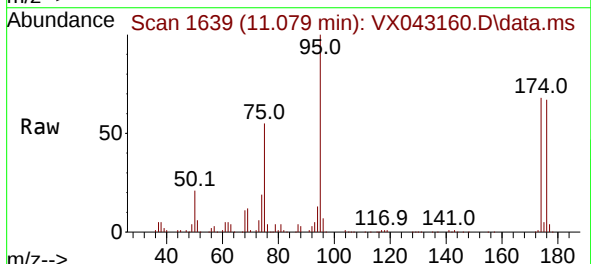
Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920

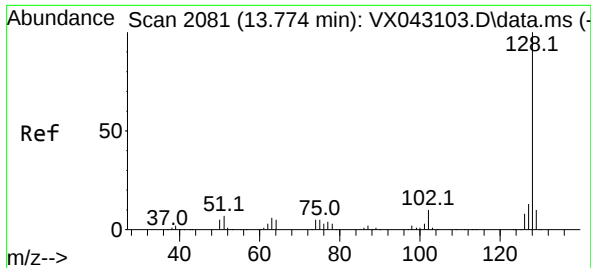
Tgt Ion: 75 Resp: 47785
Ion Ratio Lower Upper
75 100
77 0.9 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.454 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

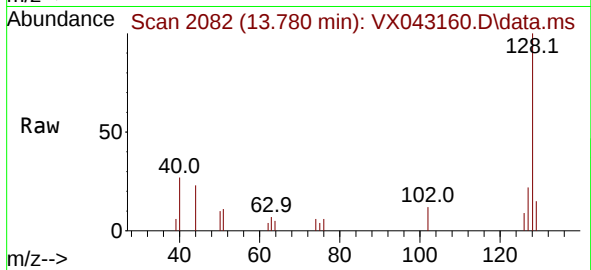
Tgt Ion: 75 Resp: 47785
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.410 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043160.D
Acq: 25 Sep 2024 17:53

Instrument :
MSVOA_X
ClientSampleId :
RE135D1-20240920



Tgt Ion:	128	Resp:	2413
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.4
129	8.9	8.6	13.0

