

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
 Data File : VX044478.D
 Acq On : 23 Dec 2024 14:29
 Operator : JC/MD
 Sample : P5374-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 23 21:57:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

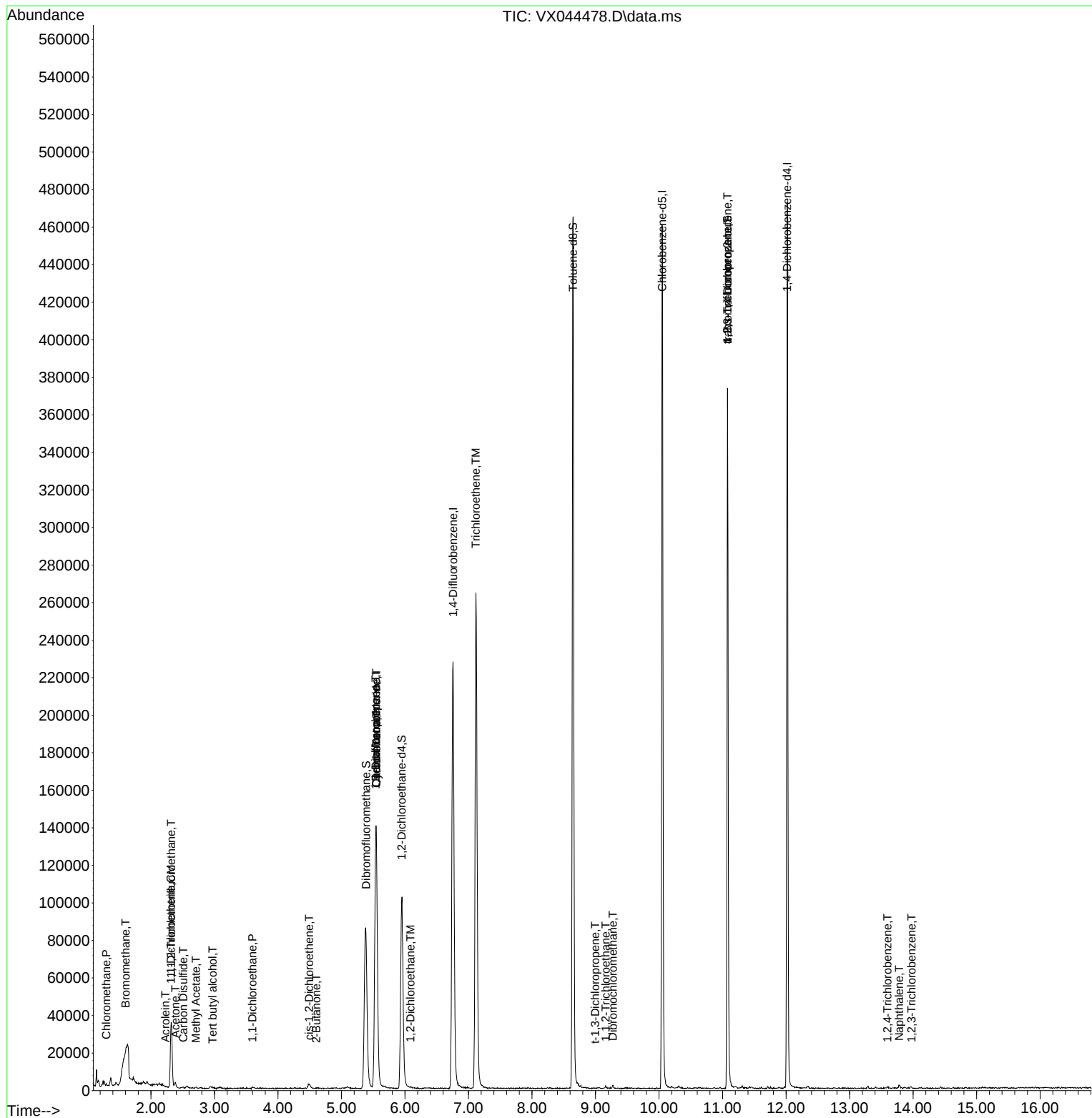
Internal Standards						
1) Pentafluorobenzene	5.544	168	132615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	236368	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	97430	41.902	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.800%		
35) Dibromofluoromethane	5.385	113	76153	46.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.040%		
50) Toluene-d8	8.647	98	284531	51.518	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.040%		
62) 4-Bromofluorobenzene	11.079	95	95902	49.694	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.380%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	479	0.244	ug/l #	82
5) Bromomethane	1.599	94	510	0.352	ug/l #	77
9) 1,1,2-Trichlorotrifluo...	2.319	101	11094	6.855	ug/l	100
11) Tert butyl alcohol	2.971	59	269	0.821	ug/l #	71
12) 1,1-Dichloroethene	2.313	96	2875	1.934	ug/l	95
13) Acrolein	2.227	56	169	0.356	ug/l #	14
16) Acetone	2.386	43	3536	3.730	ug/l #	89
17) Carbon Disulfide	2.508	76	834	0.295	ug/l #	91
18) Methyl Acetate	2.709	43	500	0.205	ug/l #	54
24) 1,1-Dichloroethane	3.599	63	686	0.221	ug/l #	82
25) 2-Butanone	4.605	43	392	0.291	ug/l #	50
27) cis-1,2-Dichloroethene	4.489	96	1463	0.729	ug/l	49
31) Cyclohexane	5.550	56	3292	1.312	ug/l #	50
36) 1,1-Dichloropropene	5.538	75	11221	5.303	ug/l #	45
38) Carbon Tetrachloride	5.550	117	14468	6.351	ug/l #	18
42) 1,2-Dichloroethane	6.086	62	554	0.209	ug/l #	78
44) Trichloroethene	7.117	130	100968	63.018	ug/l	99
53) t-1,3-Dichloropropene	8.994	75	23	1.006	ug/l #	41
55) 1,1,2-Trichloroethane	9.159	97	350	0.218	ug/l #	79
60) Dibromochloromethane	9.275	129	174	1.336	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	50550	24.496	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	50550	67.940	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.597	180	355	0.208	ug/l #	67
95) Naphthalene	13.780	128	1715	0.258	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.975	180	425	0.235	ug/l #	80

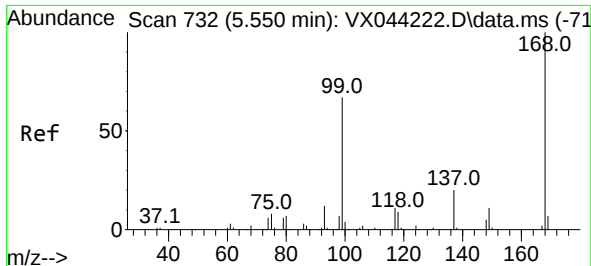
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
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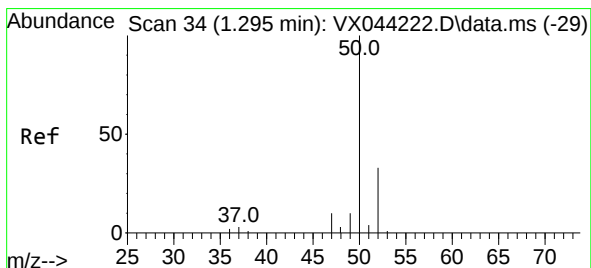
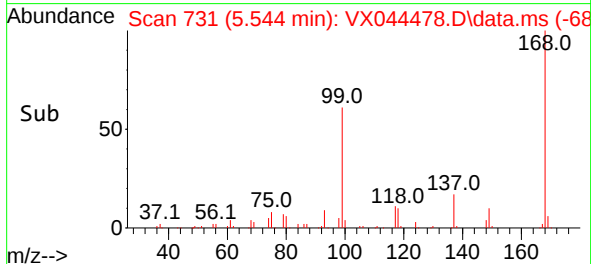
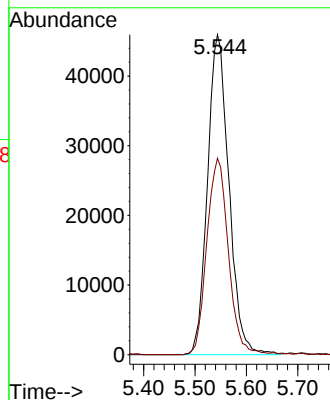
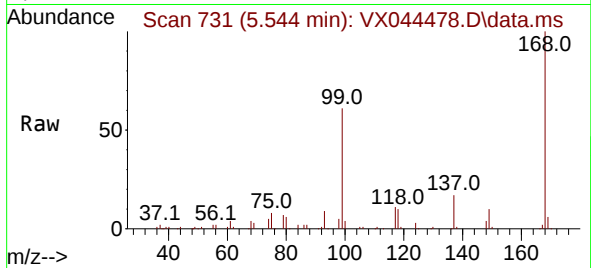




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

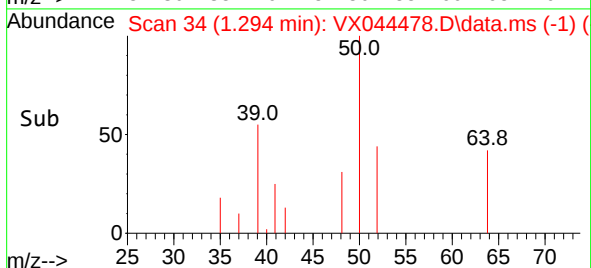
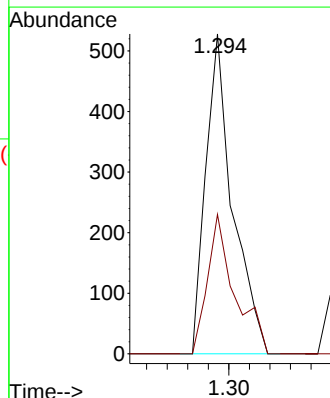
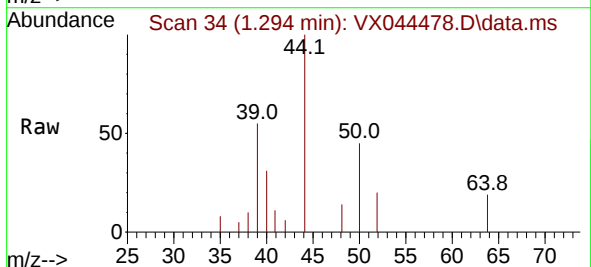
Instrument :
MSVOA_X
ClientSampleId :

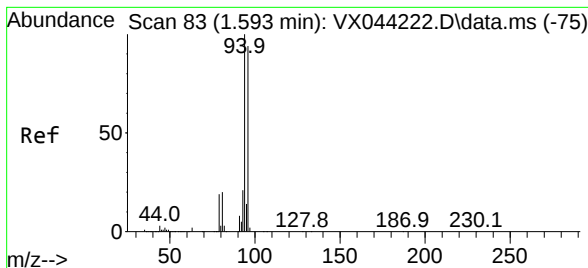
Tgt Ion:168 Resp: 132615
Ion Ratio Lower Upper
168 100
99 61.4 53.4 80.0



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Tgt Ion: 50 Resp: 479
Ion Ratio Lower Upper
50 100
52 43.6 26.5 39.7#

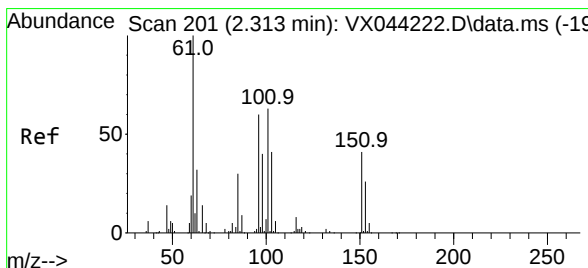
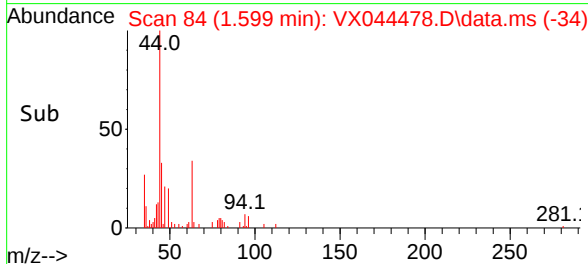
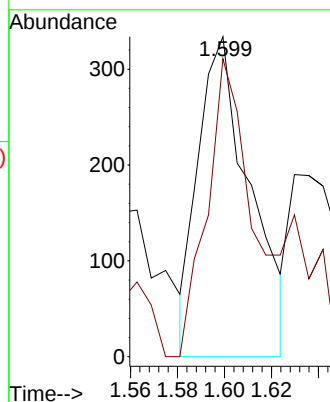
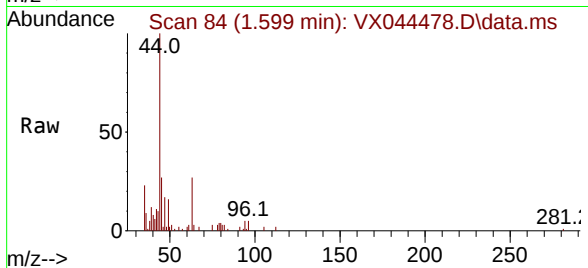




#5
Bromomethane
Concen: 0.352 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

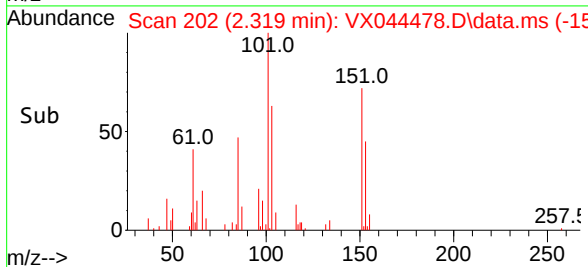
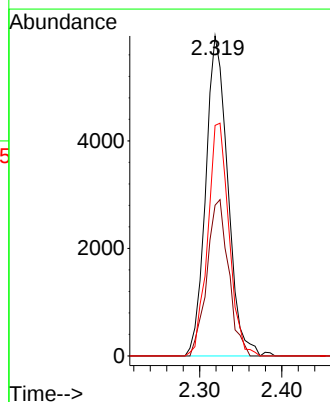
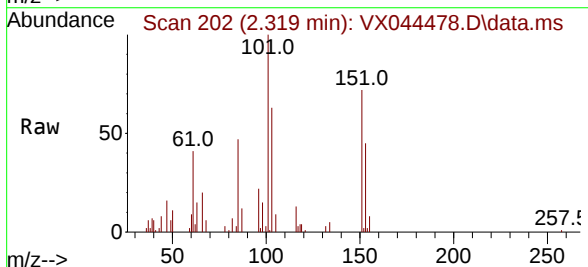
Instrument :
MSVOA_X
ClientSampleId :

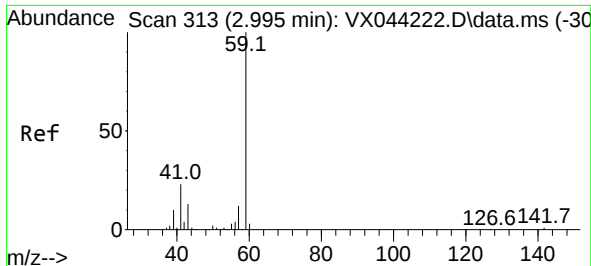
Tgt Ion: 94 Resp: 510
Ion Ratio Lower Upper
94 100
96 115.6 74.9 112.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.855 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

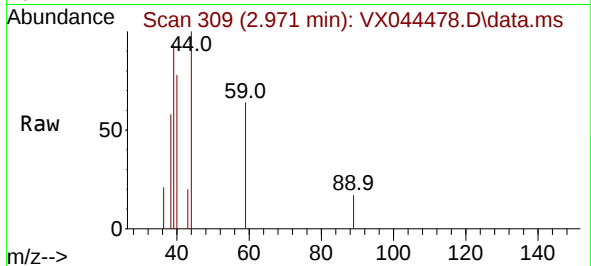
Tgt Ion:101 Resp: 11094
Ion Ratio Lower Upper
101 100
85 47.8 38.5 57.7
151 70.0 55.8 83.6



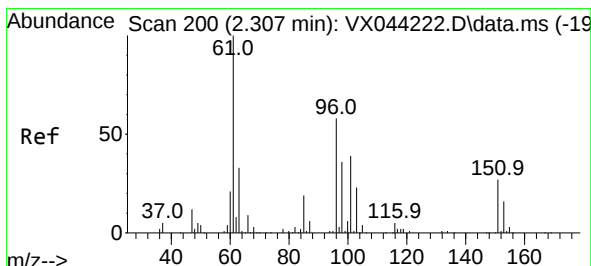
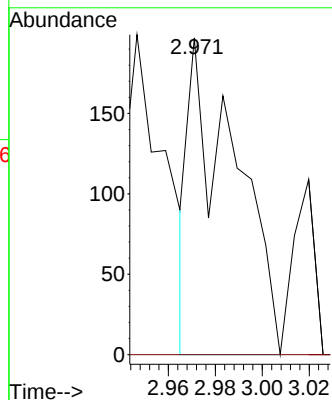
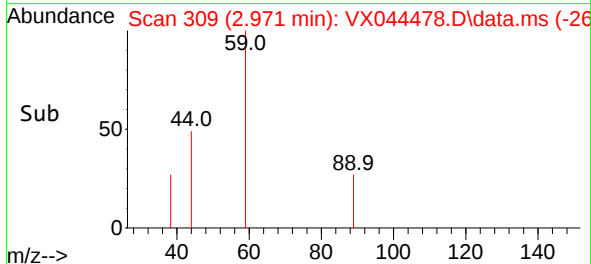


#11
Tert butyl alcohol
Concen: 0.821 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

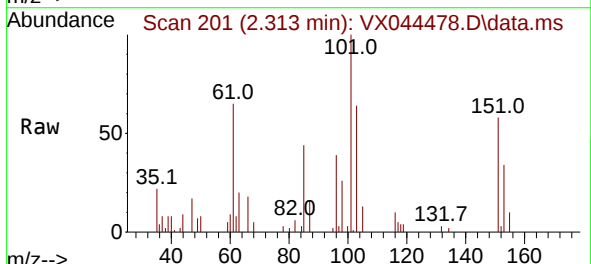
Instrument :
MSVOA_X
ClientSampleId :



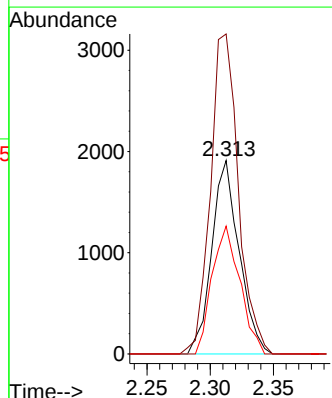
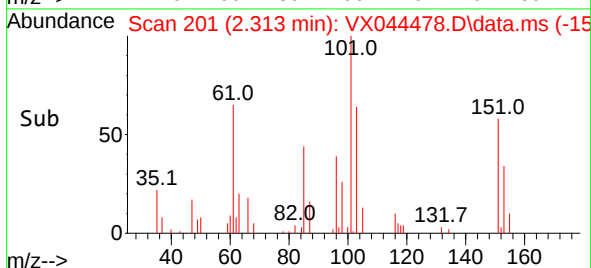
Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

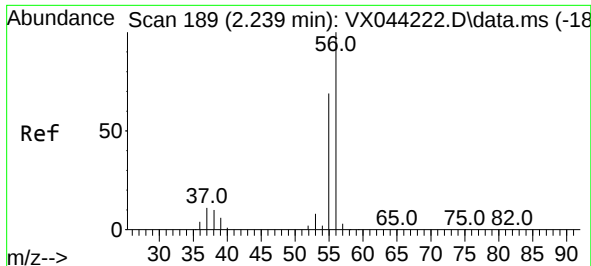


#12
1,1-Dichloroethene
Concen: 1.934 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29



Tgt Ion: 96 Resp: 2875
Ion Ratio Lower Upper
96 100
61 165.4 138.0 207.0
98 66.0 50.0 75.0

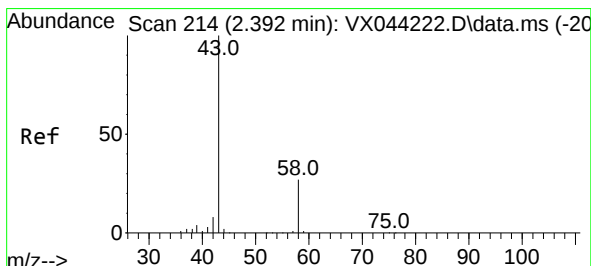
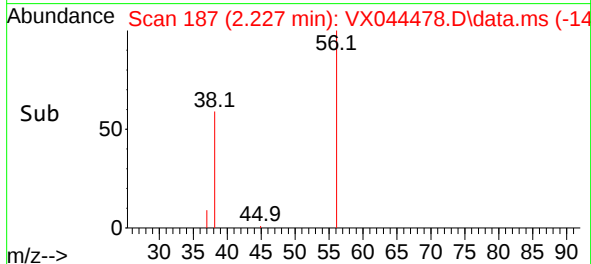
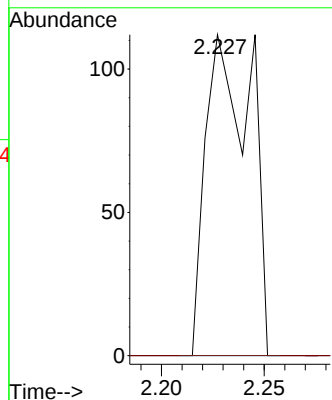
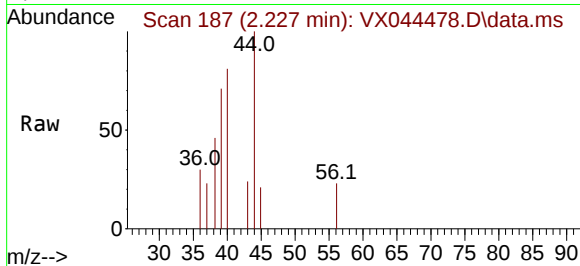




#13
Acrolein
Concen: 0.356 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

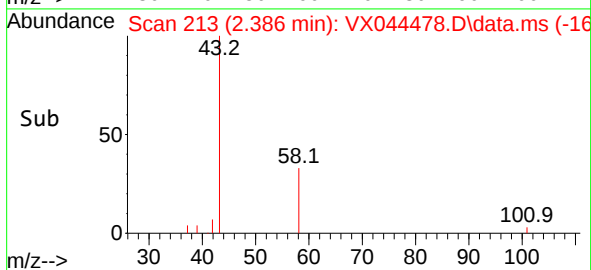
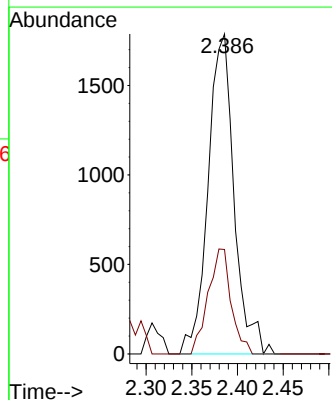
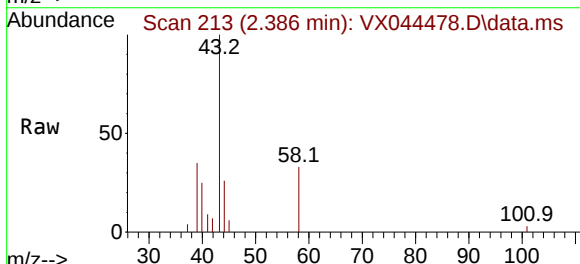
Instrument :
MSVOA_X
ClientSampleId :

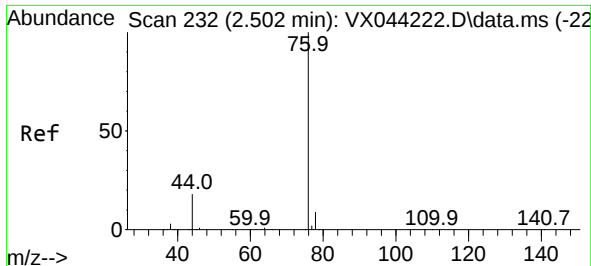
Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 3.730 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

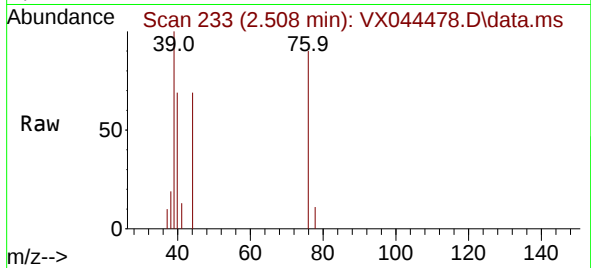
Tgt Ion: 43 Resp: 3536
Ion Ratio Lower Upper
43 100
58 32.7 21.6 32.4#



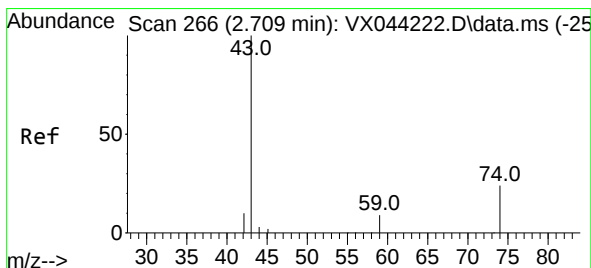
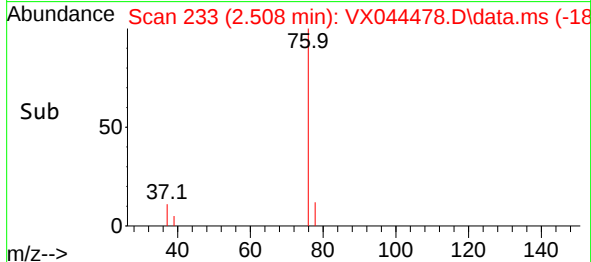
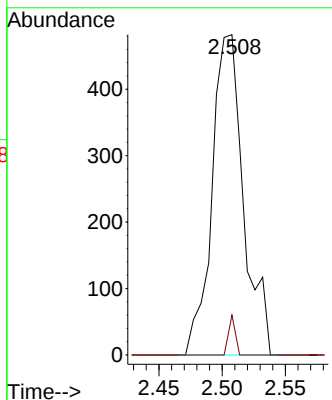


#17
Carbon Disulfide
Concen: 0.295 ug/l
RT: 2.508 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Instrument :
MSVOA_X
ClientSampleId :

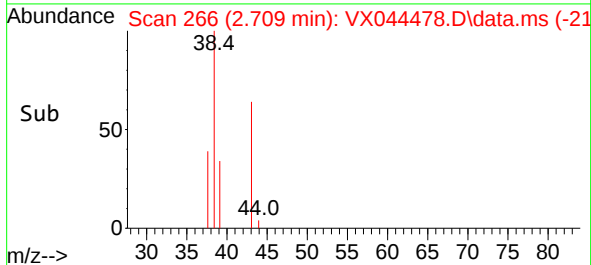
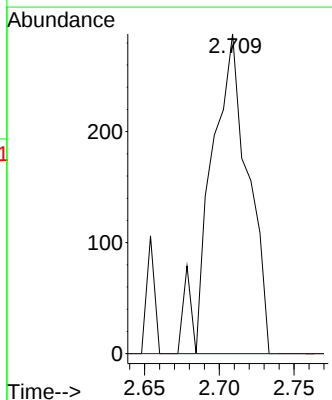
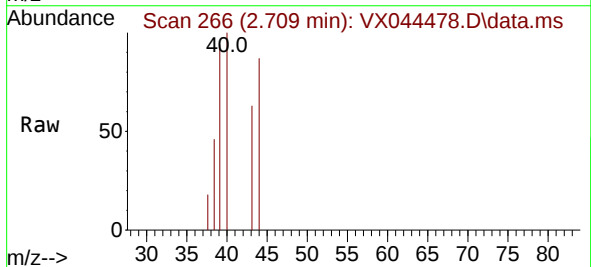


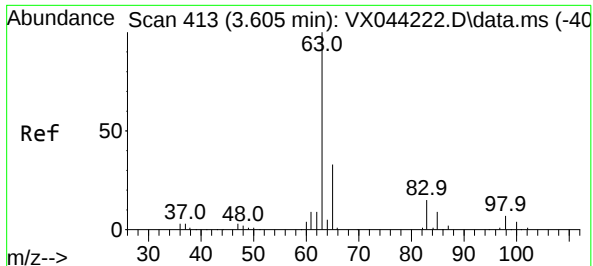
Tgt Ion: 76 Resp: 834
Ion Ratio Lower Upper
76 100
78 12.4 7.4 11.0#



#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#

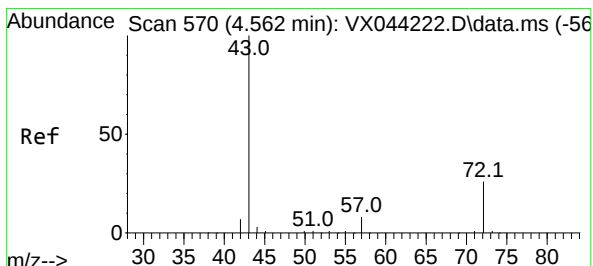
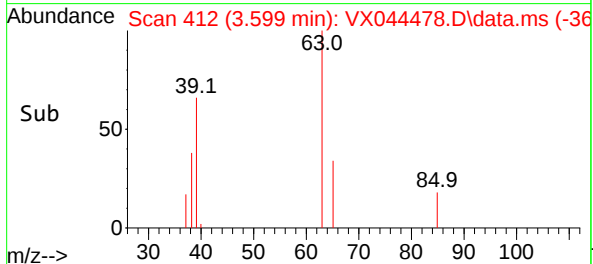
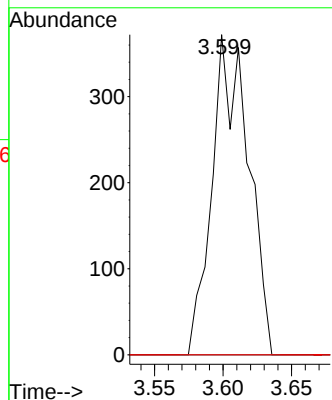
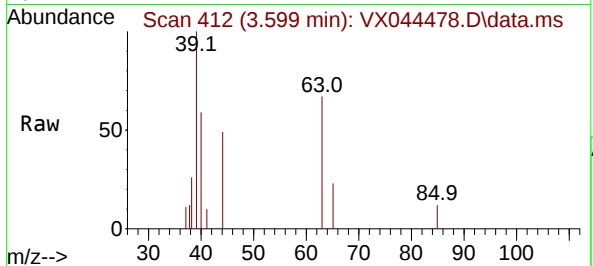




#24
1,1-Dichloroethane
Concen: 0.221 ug/l
RT: 3.599 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

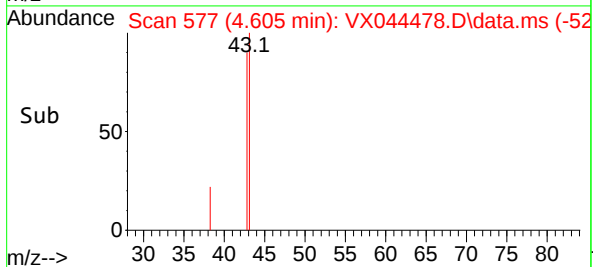
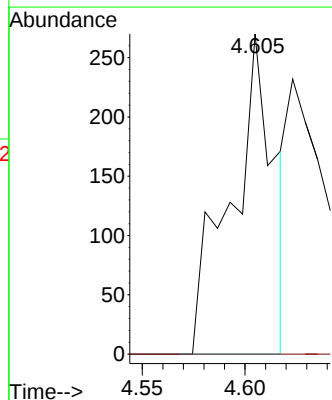
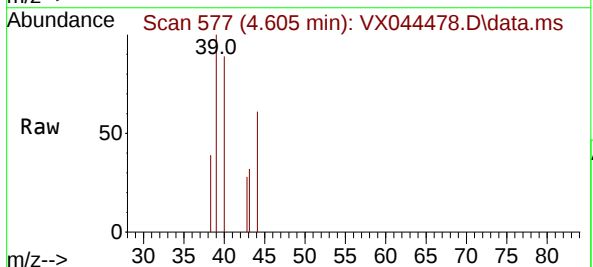
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MSVOA_X
ClientSampleId :

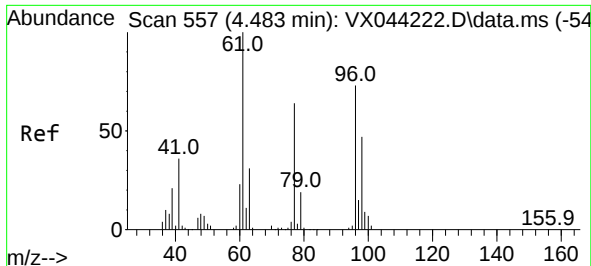
Tgt Ion: 63 Resp: 686
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.1 6.3#



#25
2-Butanone
Concen: 0.291 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.043 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#





#27

cis-1,2-Dichloroethene

Concen: 0.729 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

Instrument :

MSVOA_X

ClientSampleId :

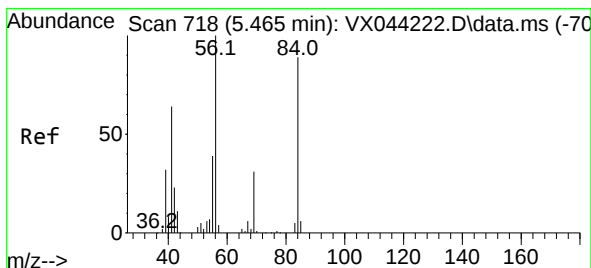
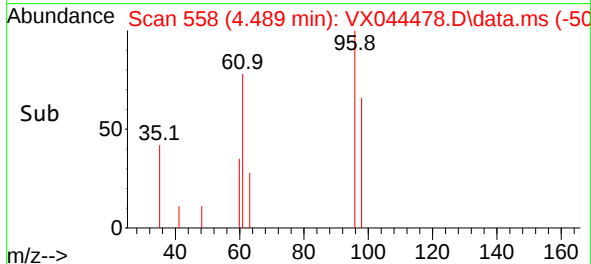
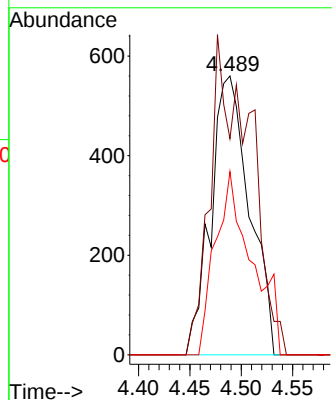
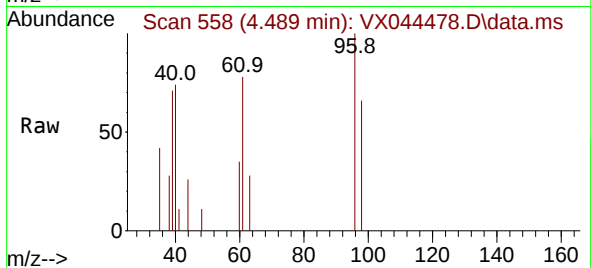
Tgt Ion: 96 Resp: 1463

Ion Ratio Lower Upper

96 100

61 58.0 0.0 299.0

98 62.0 0.0 129.0



#31

Cyclohexane

Concen: 1.312 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

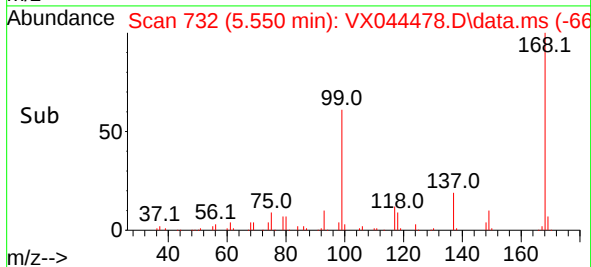
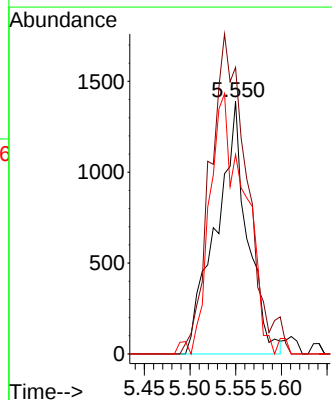
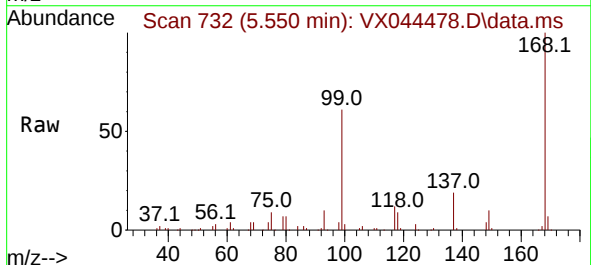
Tgt Ion: 56 Resp: 3292

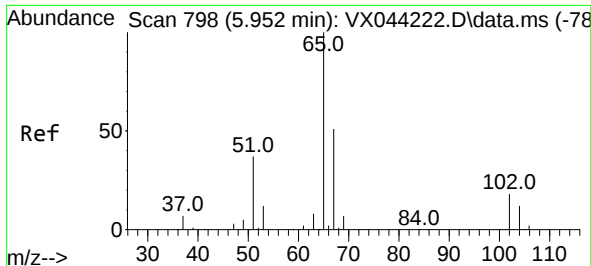
Ion Ratio Lower Upper

56 100

69 113.5 24.7 37.1#

84 74.3 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 41.902 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

Instrument :

MSVOA_X

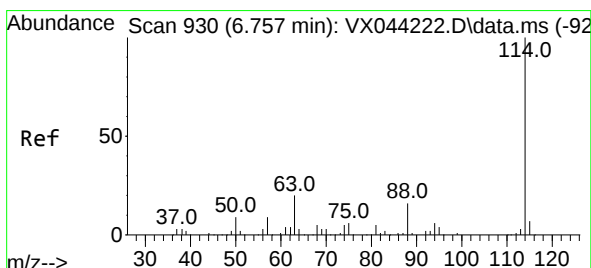
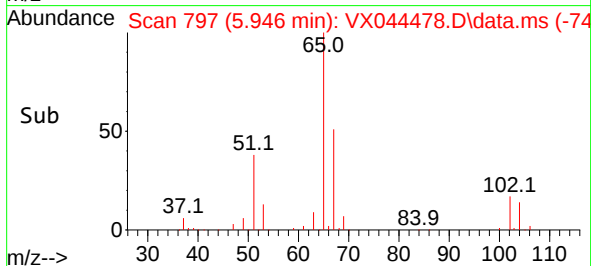
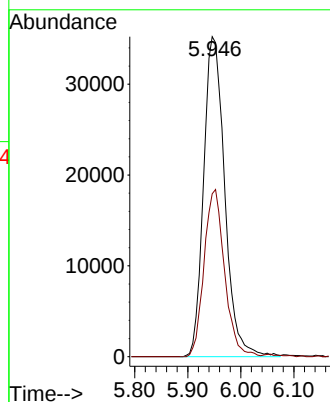
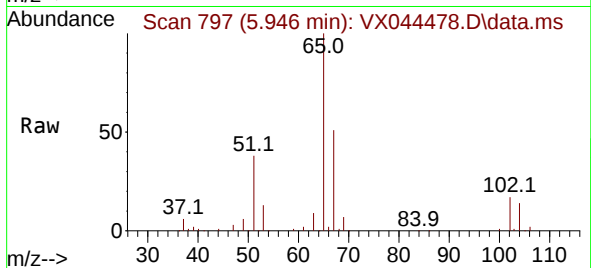
ClientSampleId :

Tgt Ion: 65 Resp: 97430

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

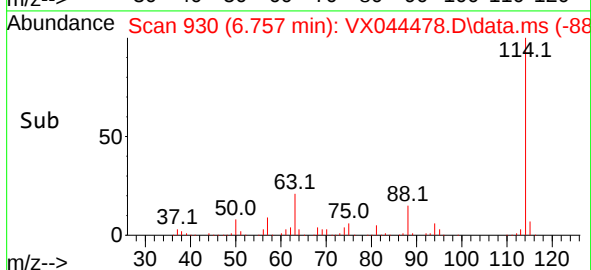
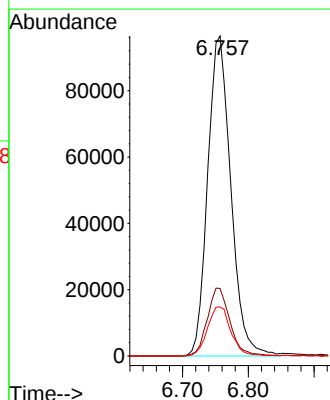
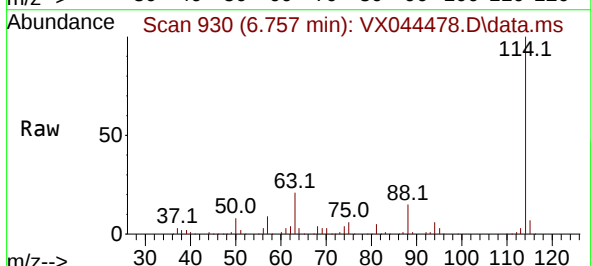
Tgt Ion: 114 Resp: 236368

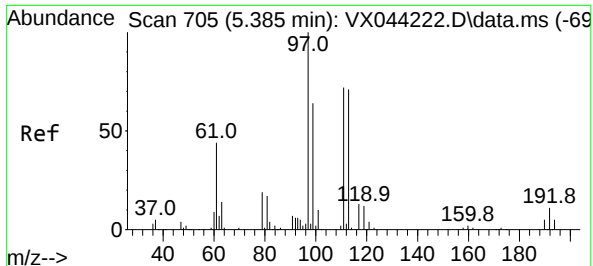
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.6

88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.518 ug/l

RT: 5.385 min Scan# 70

Delta R.T. -0.000 min

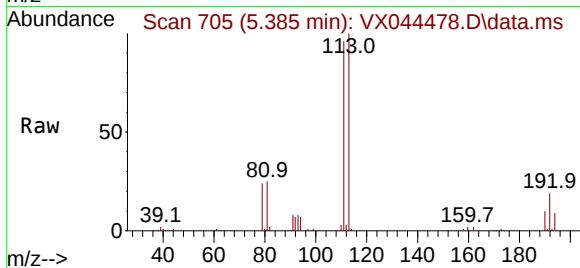
Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

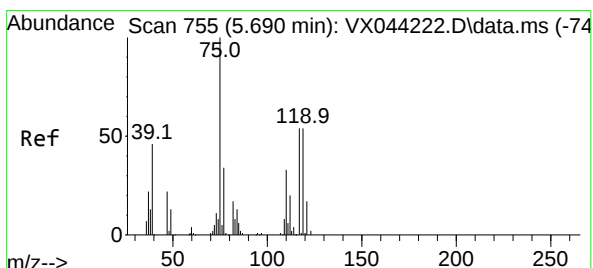
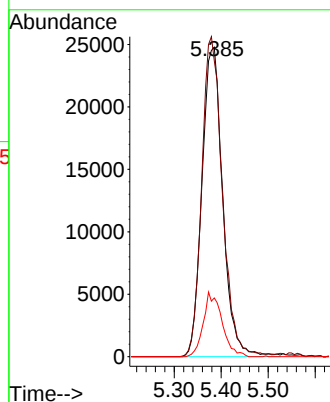
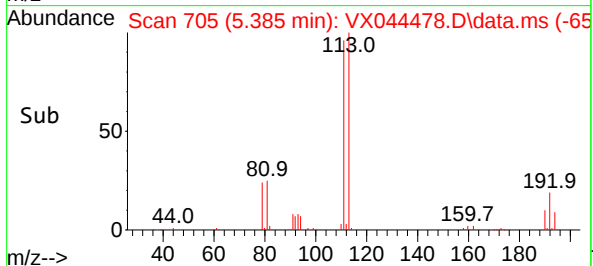
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	76153
Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.4	120.6
192	18.7	13.3	19.9



#36

1,1-Dichloropropene

Concen: 5.303 ug/l

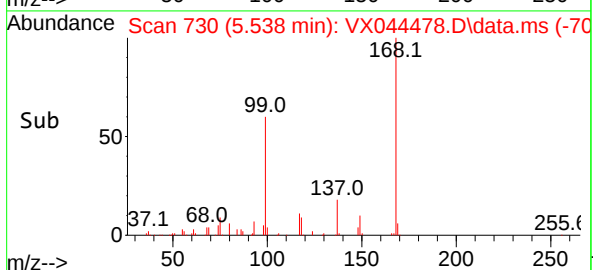
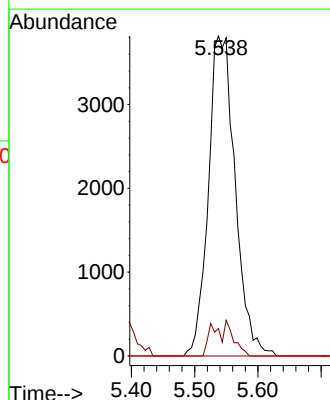
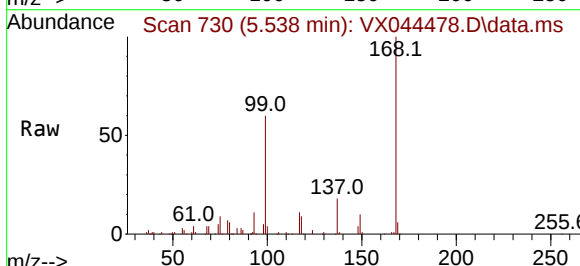
RT: 5.538 min Scan# 730

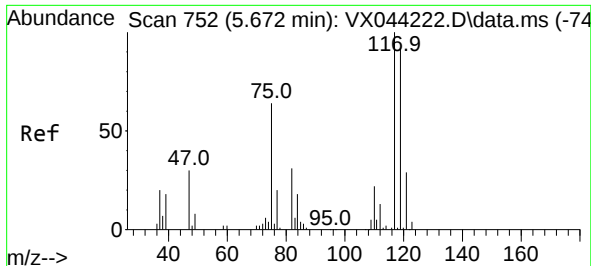
Delta R.T. -0.152 min

Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

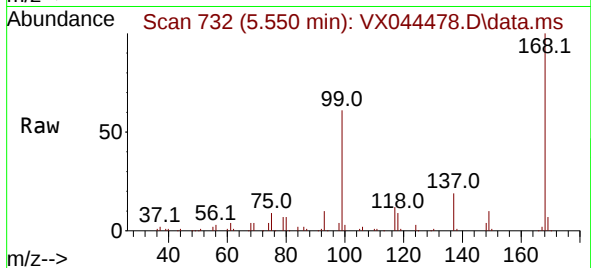
Tgt Ion:	75	Resp:	11221
Ion	Ratio	Lower	Upper
75	100		
110	3.9	17.3	51.7#
77	0.0	25.4	38.0#



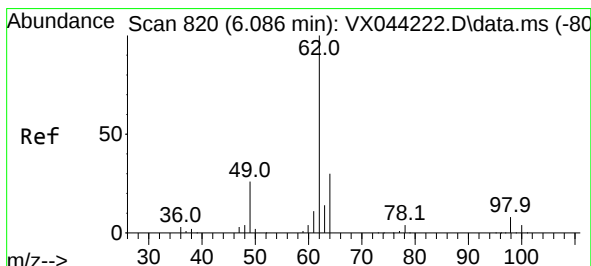
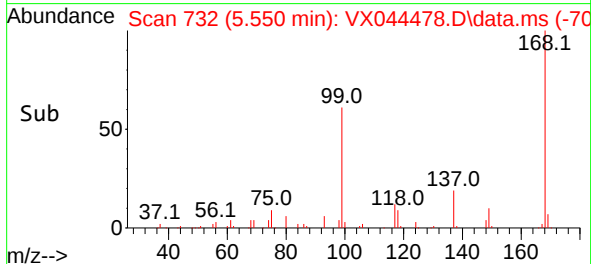
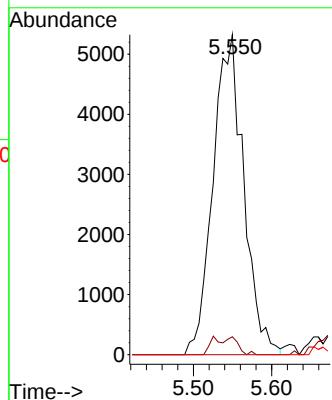


#38
Carbon Tetrachloride
Concen: 6.351 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Instrument :
MSVOA_X
ClientSampleId :

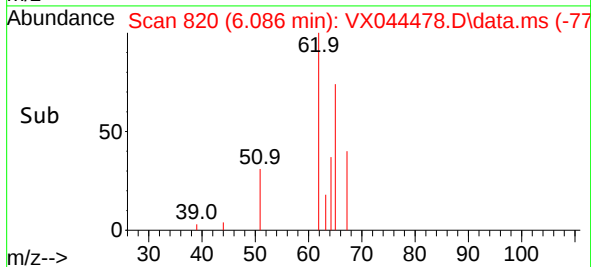
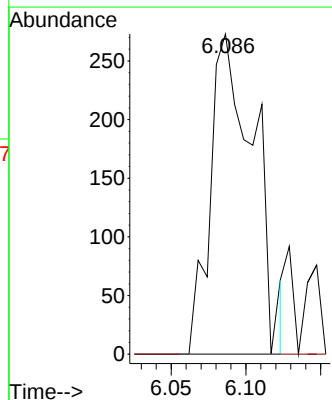
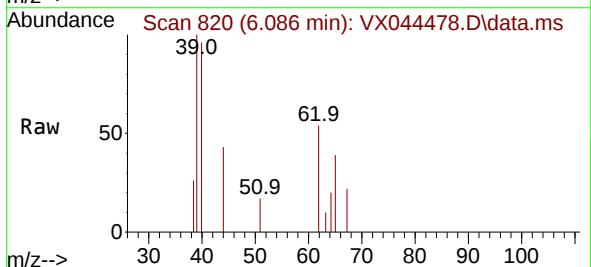


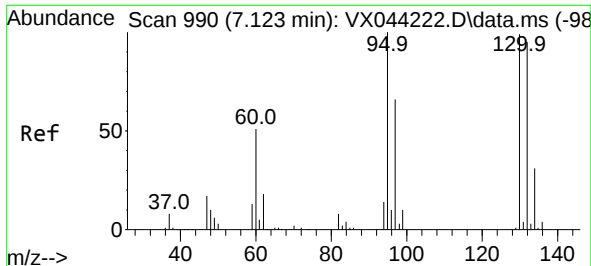
Tgt Ion:117 Resp: 14468
Ion Ratio Lower Upper
117 100
119 5.6 74.2 111.4#
121 0.0 23.0 34.6#



#42
1,2-Dichloroethane
Concen: 0.209 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Tgt Ion: 62 Resp: 554
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8

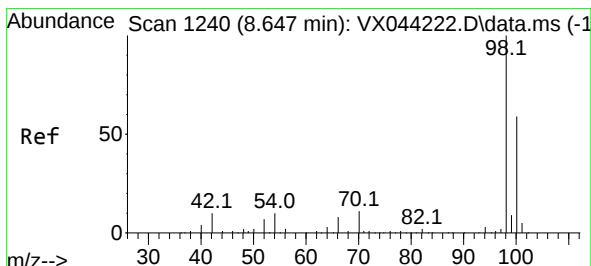
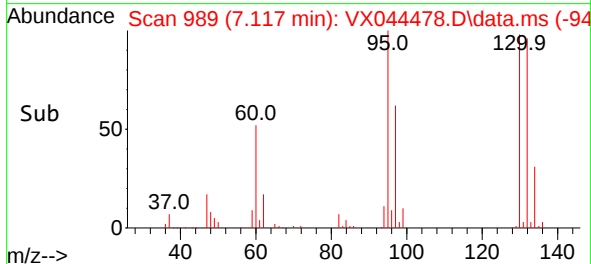
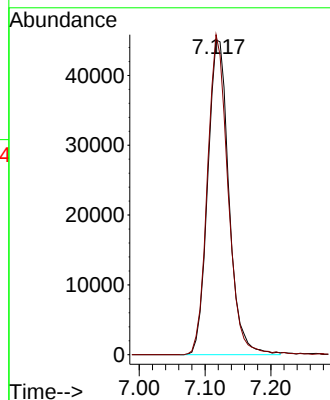
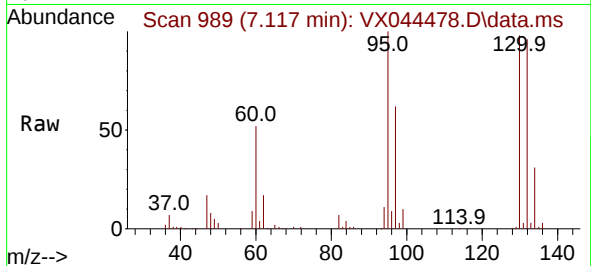




#44
Trichloroethene
Concen: 63.018 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

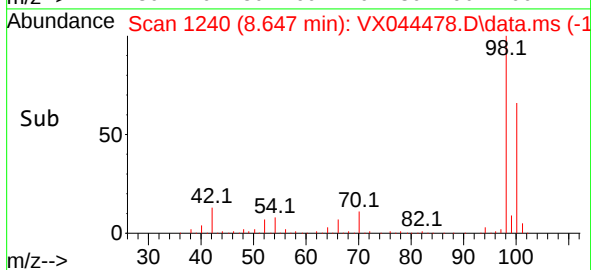
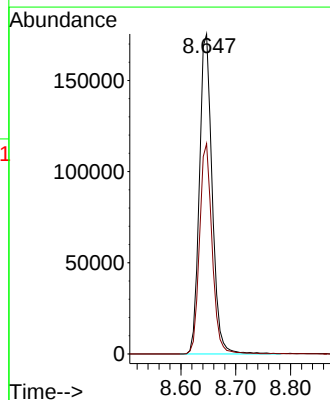
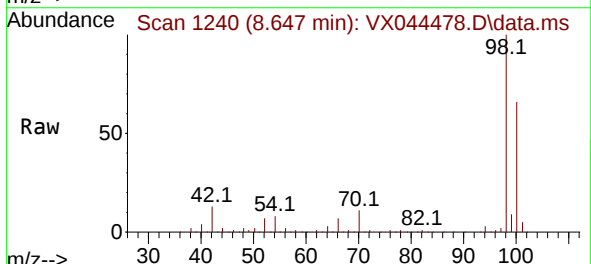
Instrument :
MSVOA_X
ClientSampleId :

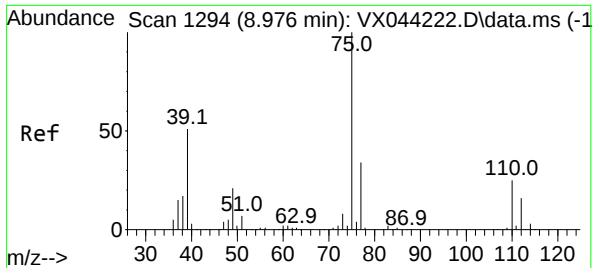
Tgt Ion:130 Resp: 100968
Ion Ratio Lower Upper
130 100
95 101.6 0.0 201.4



#50
Toluene-d8
Concen: 51.518 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Tgt Ion: 98 Resp: 284531
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3





#53

t-1,3-Dichloropropene

Concen: 1.006 ug/l

RT: 8.994 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

Instrument :

MSVOA_X

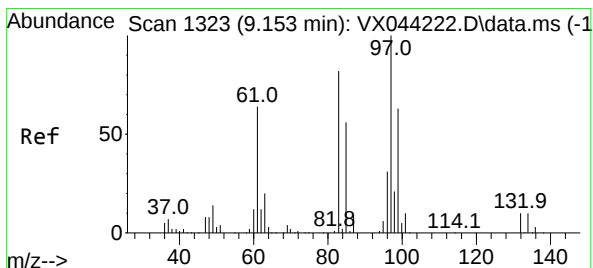
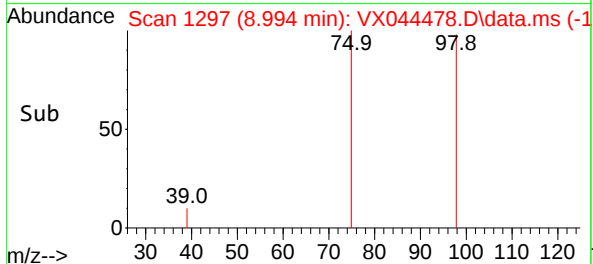
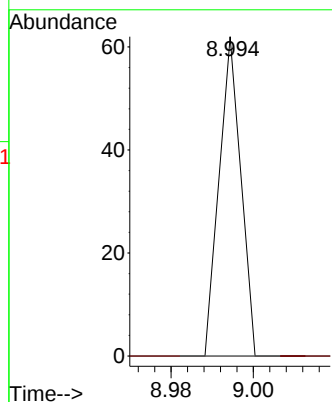
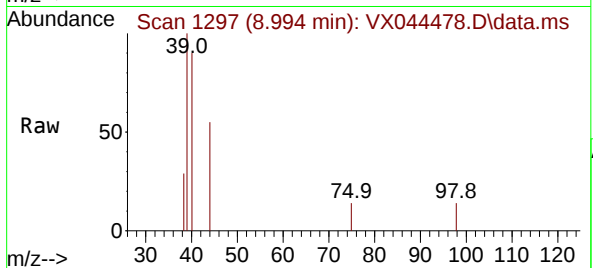
ClientSampleId :

Tgt Ion: 75 Resp: 23

Ion Ratio Lower Upper

75 100

77 0.0 27.2 40.8#



#55

1,1,2-Trichloroethane

Concen: 0.218 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. 0.006 min

Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

Tgt Ion: 97 Resp: 350

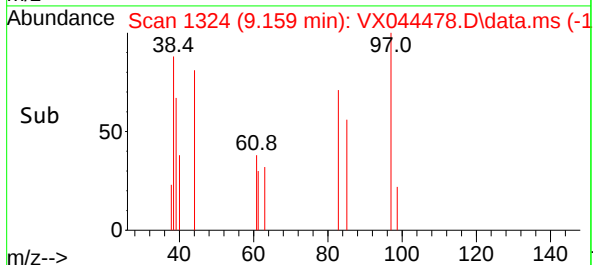
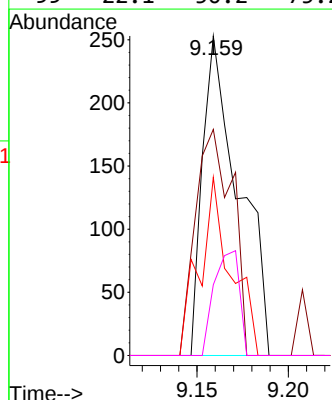
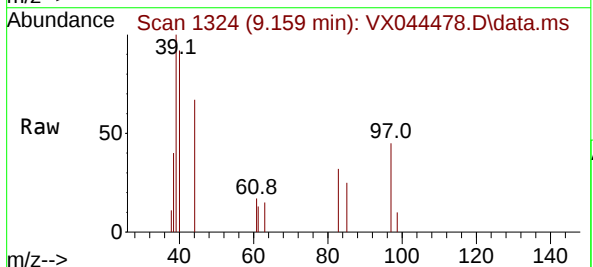
Ion Ratio Lower Upper

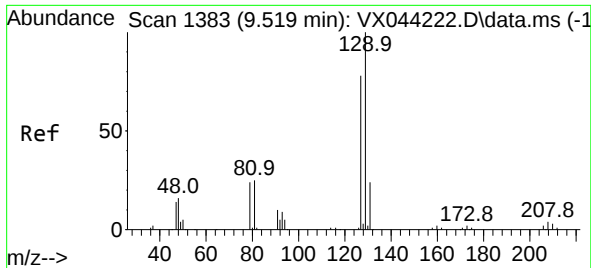
97 100

83 70.8 65.3 97.9

85 55.7 44.6 67.0

99 22.1 50.2 75.2#

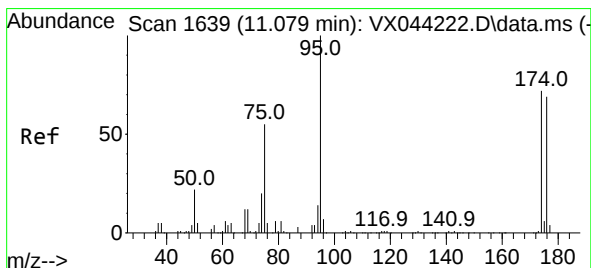
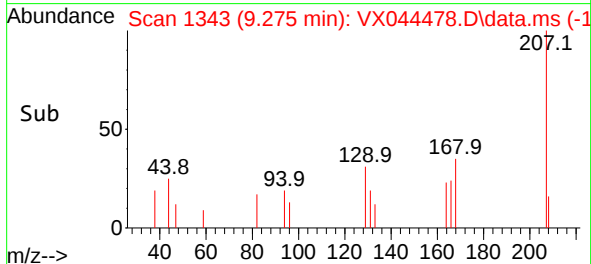
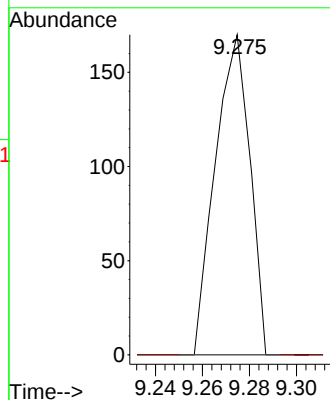
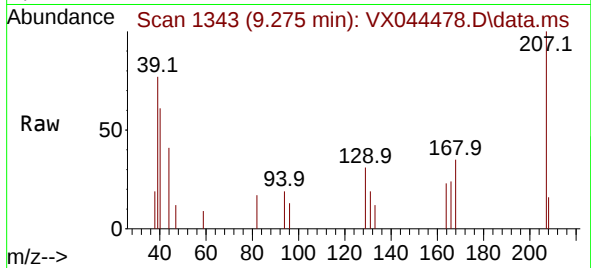




#60
Dibromochloromethane
Concen: 1.336 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

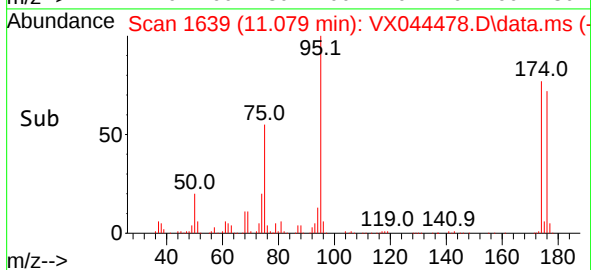
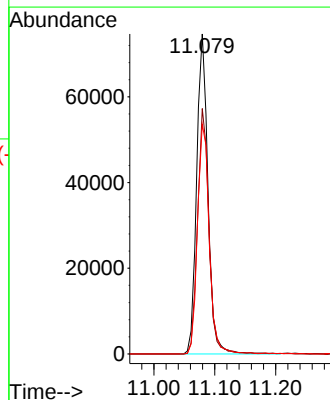
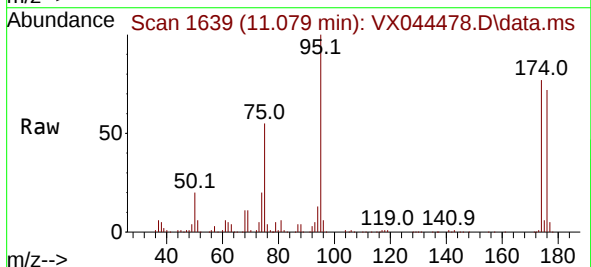
Instrument :
MSVOA_X
ClientSampleId :

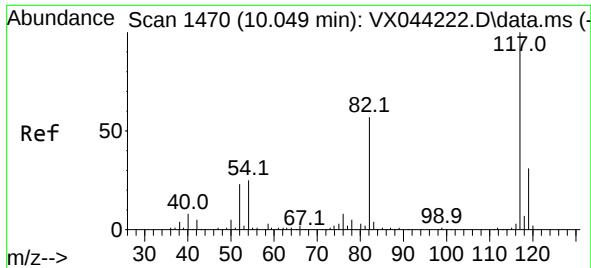
Tgt Ion:129 Resp: 174
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 49.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

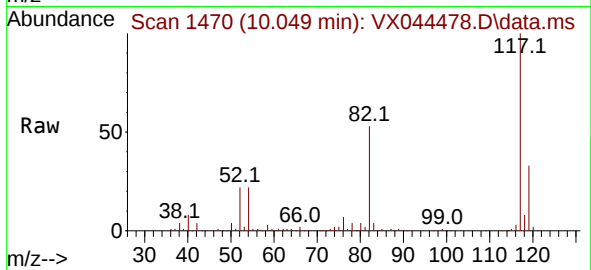
Tgt Ion: 95 Resp: 95902
Ion Ratio Lower Upper
95 100
174 77.8 0.0 145.8
176 75.0 0.0 137.8



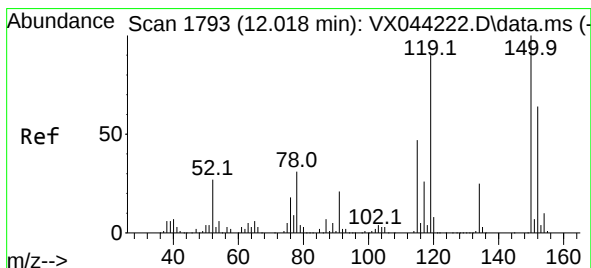
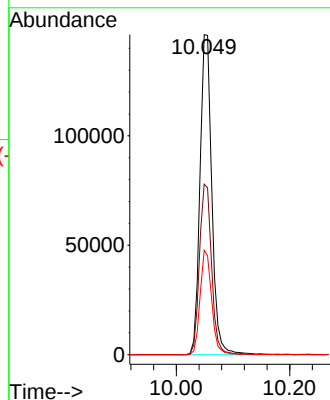
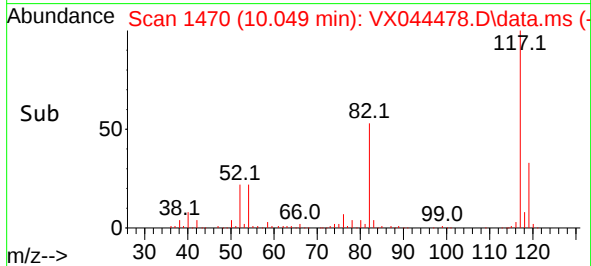


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Instrument :
MSVOA_X
ClientSampleId :

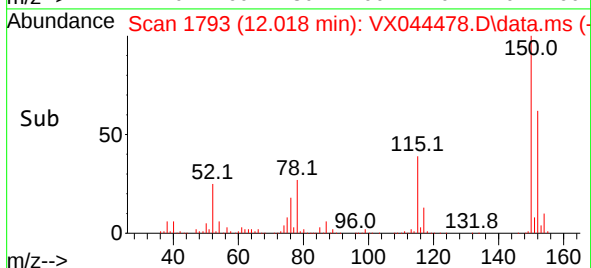
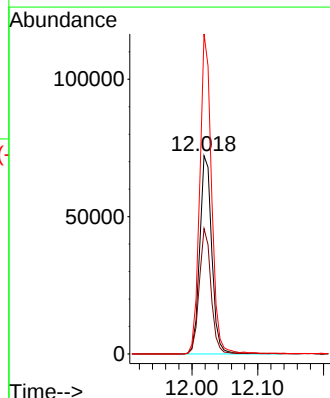
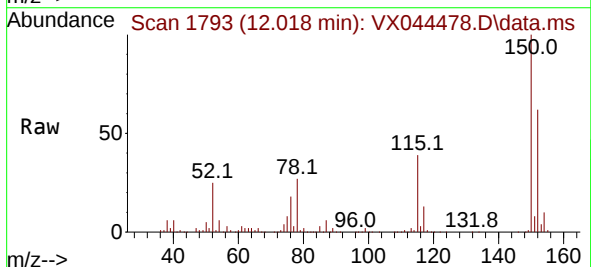


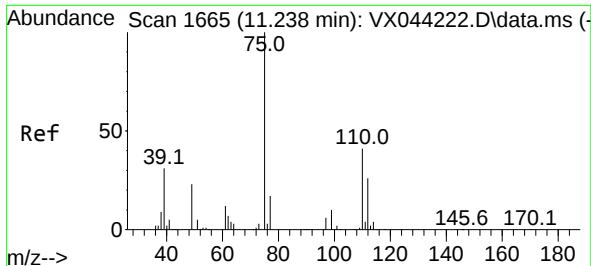
Tgt Ion:117 Resp: 212205
Ion Ratio Lower Upper
117 100
82 53.3 45.8 68.8
119 32.6 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Tgt Ion:152 Resp: 92424
Ion Ratio Lower Upper
152 100
115 61.3 44.5 133.3
150 157.0 0.0 353.8

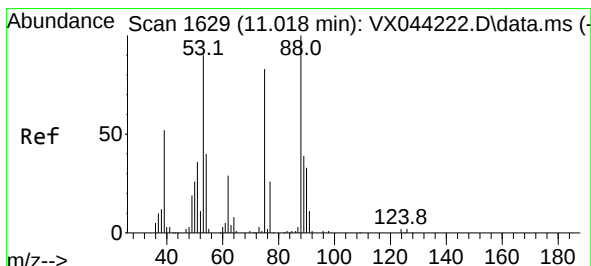
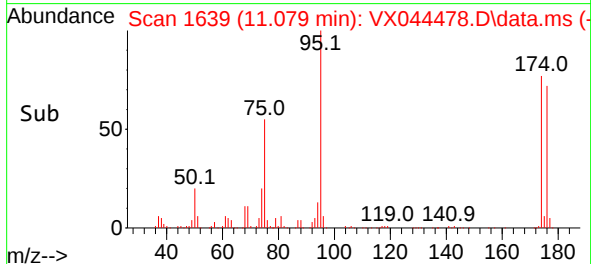
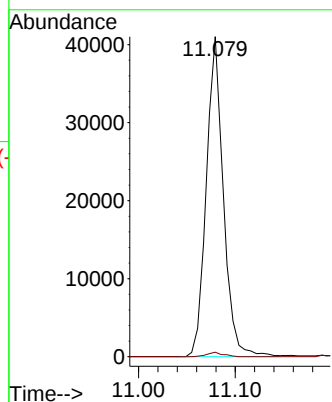
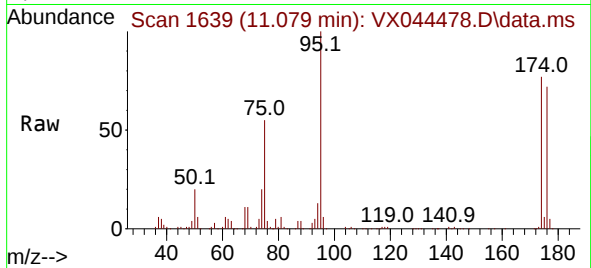




#76
1,2,3-Trichloropropane
Concen: 24.496 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

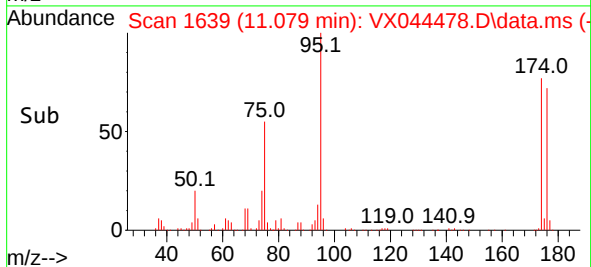
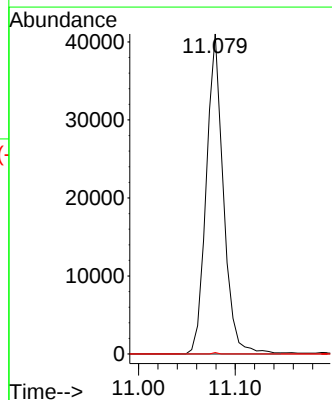
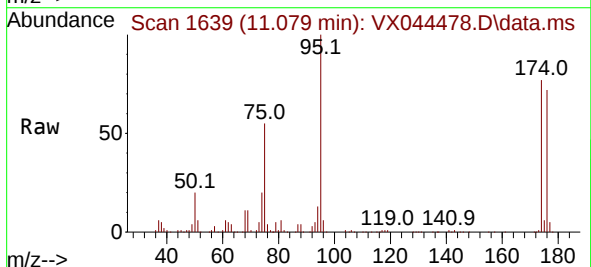
Instrument :
MSVOA_X
ClientSampleId :

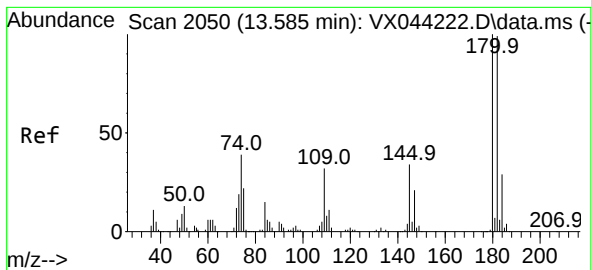
Tgt Ion: 75 Resp: 50550
Ion Ratio Lower Upper
75 100
77 1.3 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.940 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044478.D
Acq: 23 Dec 2024 14:29

Tgt Ion: 75 Resp: 50550
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.1 37.3 55.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.208 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

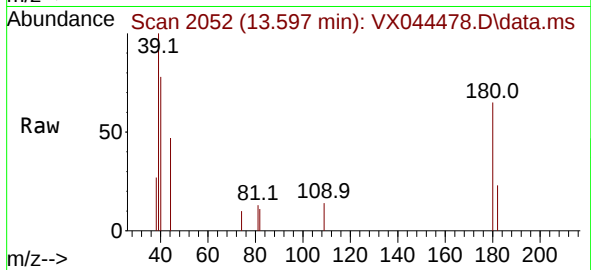
Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

Instrument :

MSVOA_X

ClientSampleId :



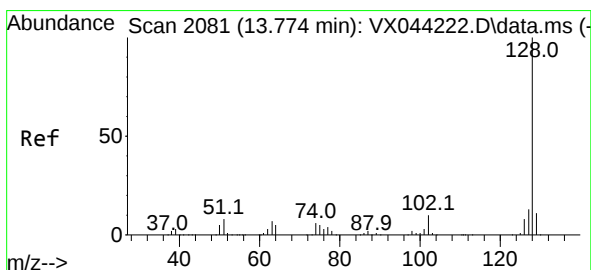
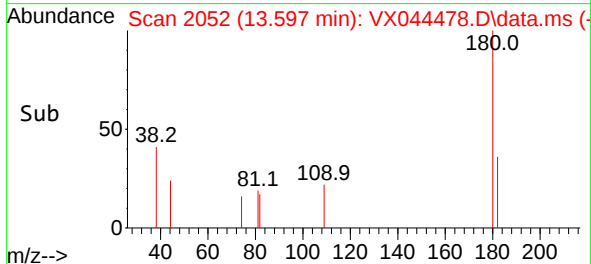
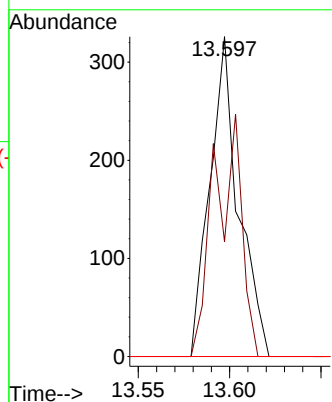
Tgt Ion:180 Resp: 355

Ion Ratio Lower Upper

180 100

182 72.1 48.0 144.2

145 0.0 16.6 49.7#



#95

Naphthalene

Concen: 0.258 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

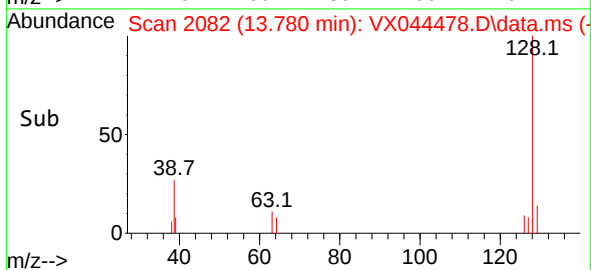
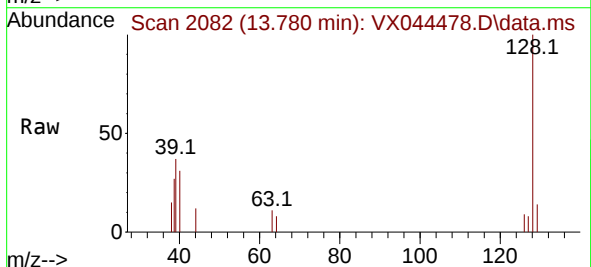
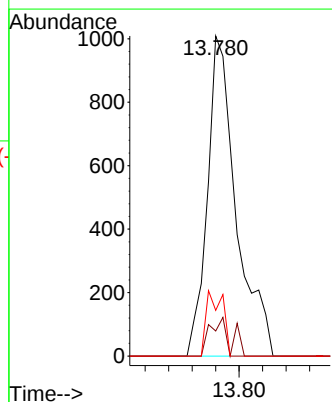
Tgt Ion:128 Resp: 1715

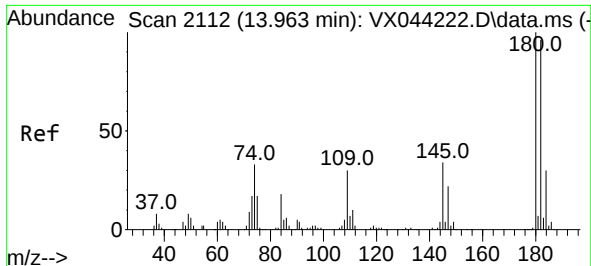
Ion Ratio Lower Upper

128 100

127 8.6 10.5 15.7#

129 11.6 9.0 13.4





#96

1,2,3-Trichlorobenzene

Concen: 0.235 ug/l

RT: 13.975 min Scan# 21

Delta R.T. 0.012 min

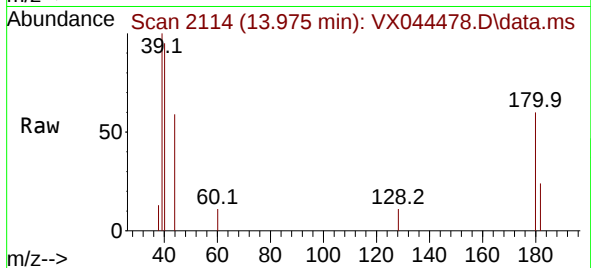
Lab File: VX044478.D

Acq: 23 Dec 2024 14:29

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 425

Ion Ratio Lower Upper

180 100

182 84.0 48.0 144.0

145 12.2 17.7 53.1#

