

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
 Data File : VX044443.D
 Acq On : 20 Dec 2024 11:39
 Operator : JC/MD
 Sample : P5261-12DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 22:23:40 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)

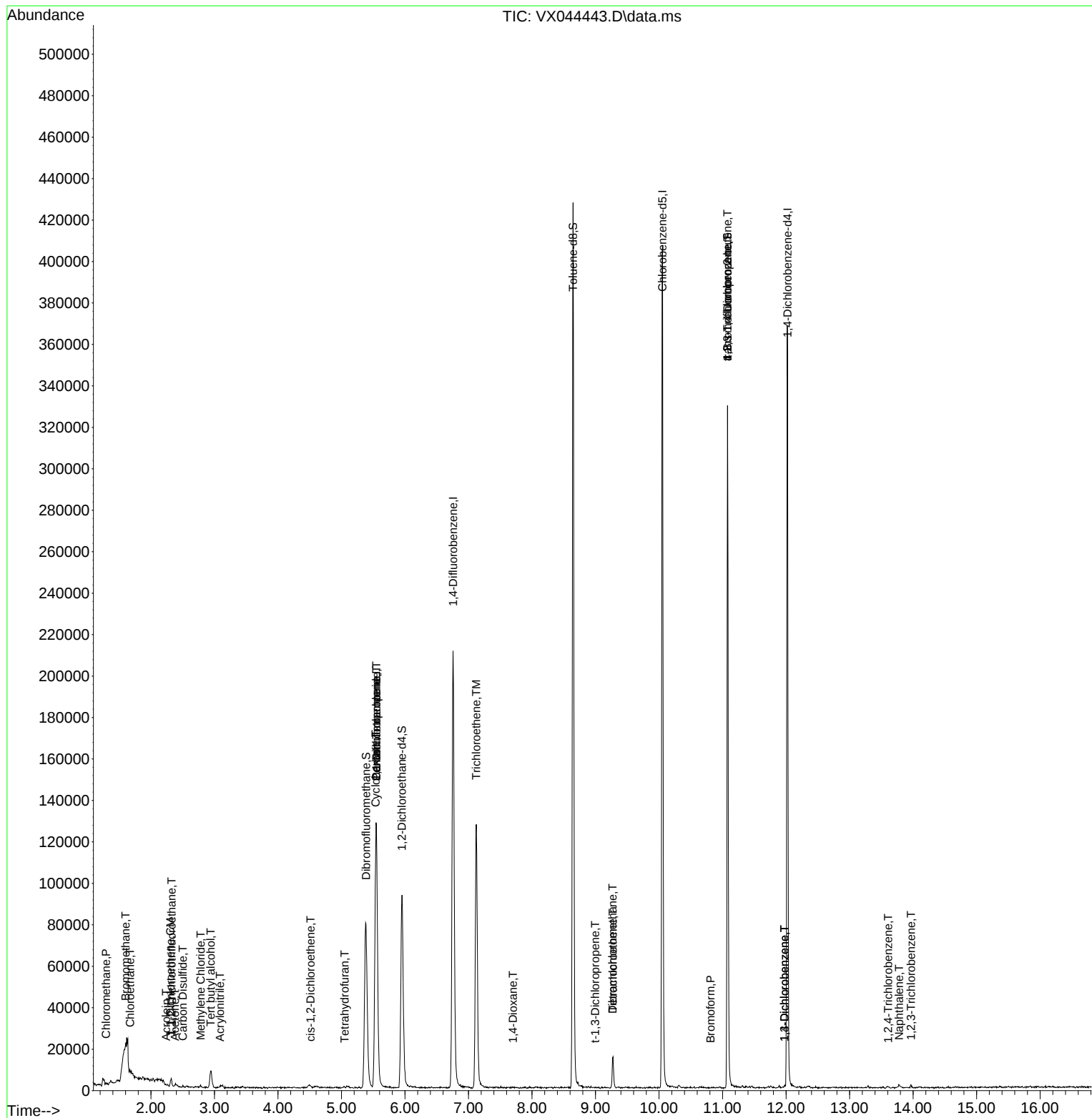
Internal Standards						
1) Pentafluorobenzene	5.550	168	118716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	210308	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87466	42.021	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.040%		
35) Dibromofluoromethane	5.385	113	69089	47.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.860%		
50) Toluene-d8	8.646	98	250617	51.000	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.000%		
62) 4-Bromofluorobenzene	11.079	95	81136	47.252	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.500%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	371	0.211	ug/l #	4
5) Bromomethane	1.599	94	716	0.552	ug/l #	66
6) Chloroethane	1.672	64	264	0.232	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.324	101	977	0.674	ug/l #	81
11) Tert butyl alcohol	2.940	59	5021	17.116	ug/l #	71
12) 1,1-Dichloroethene	2.306	96	344	0.259	ug/l #	81
13) Acrolein	2.239	56	189	0.445	ug/l #	53
15) Acrylonitrile	3.087	53	257	0.316	ug/l #	44
16) Acetone	2.379	43	844	0.995	ug/l	98
17) Carbon Disulfide	2.501	76	761	0.301	ug/l #	52
20) Methylene Chloride	2.782	84	484	0.304	ug/l #	71
27) cis-1,2-Dichloroethene	4.513	96	902	0.502	ug/l	74
29) Tetrahydrofuran	5.050	42	191	0.247	ug/l #	40
31) Cyclohexane	5.537	56	3017	1.343	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	10252	5.445	ug/l #	49
38) Carbon Tetrachloride	5.550	117	12764	6.297	ug/l #	19
44) Trichloroethene	7.122	130	49722	34.879	ug/l	98
49) 1,4-Dioxane	7.702	88	29	0.991	ug/l #	32
53) t-1,3-Dichloropropene	8.994	75	21	1.006	ug/l #	41
60) Dibromochloromethane	9.268	129	2691	3.046	ug/l #	11
64) Tetrachloroethene	9.274	164	2851	2.330	ug/l	94
71) Bromoform	10.811	173	29	1.265	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	43858	26.150	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	43858	72.151	ug/l #	4
87) 1,3-Dichlorobenzene	11.975	146	517	0.212	ug/l	92
88) 1,4-Dichlorobenzene	11.975	146	517	0.206	ug/l	93
93) 1,2,4-Trichlorobenzene	13.609	180	380	0.274	ug/l #	39
95) Naphthalene	13.780	128	2041	0.377	ug/l #	82
96) 1,2,3-Trichlorobenzene	13.969	180	536	0.364	ug/l	79

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

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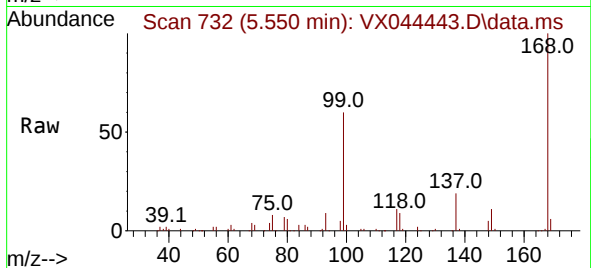
Quant Time: Dec 20 22:23:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



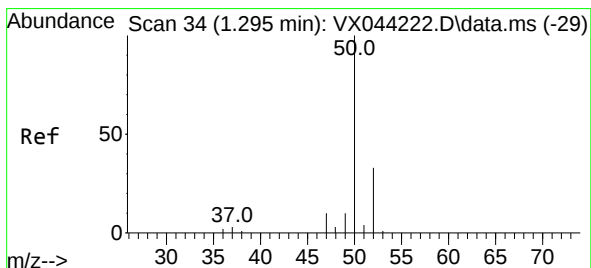
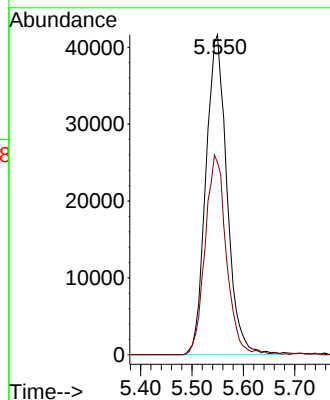
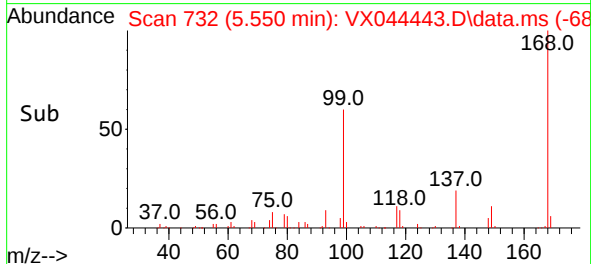


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Instrument :
MSVOA_X
ClientSampleId :

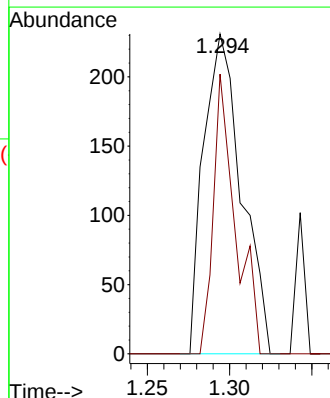
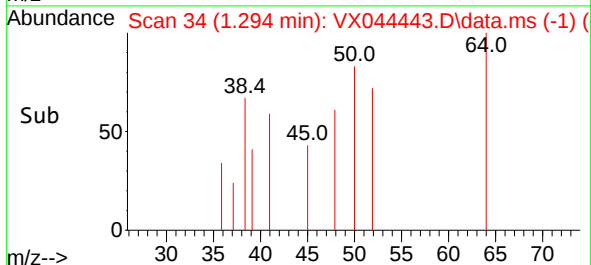
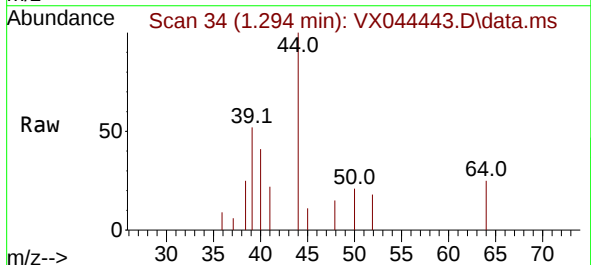


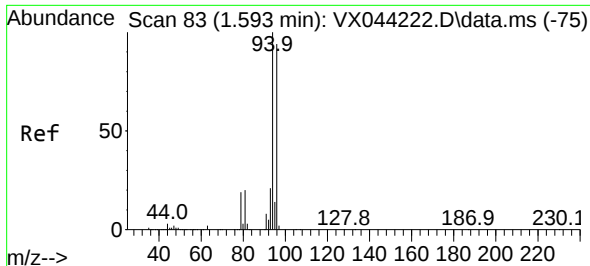
Tgt Ion:168 Resp: 118716
Ion Ratio Lower Upper
168 100
99 60.0 53.4 80.0



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

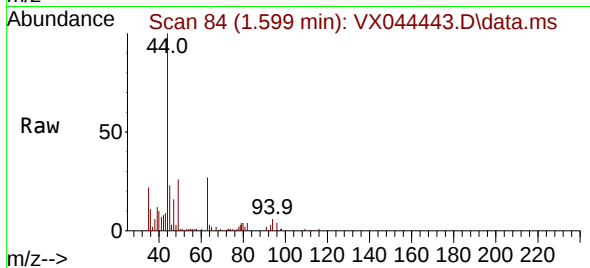
Tgt Ion: 50 Resp: 371
Ion Ratio Lower Upper
50 100
52 87.4 26.5 39.7#



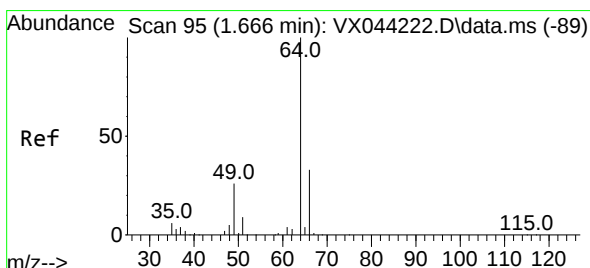
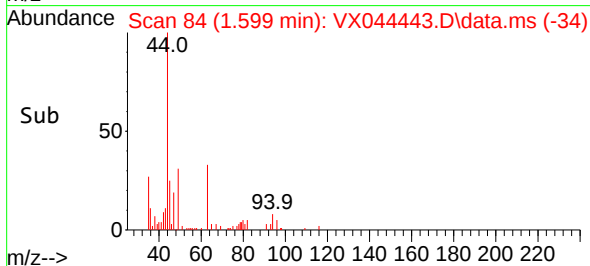
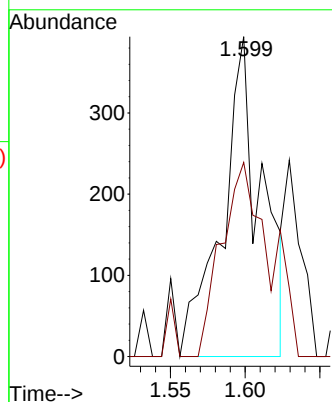


#5
Bromomethane
Concen: 0.552 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Instrument :
MSVOA_X
ClientSampleId :

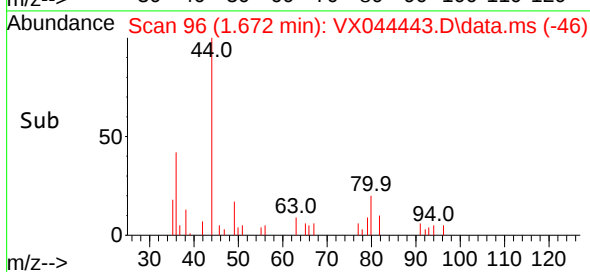
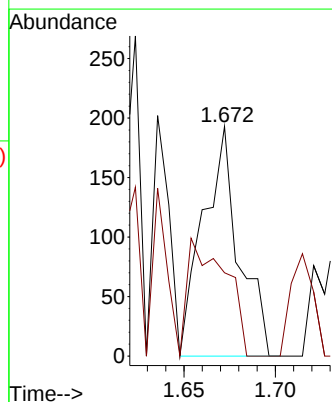
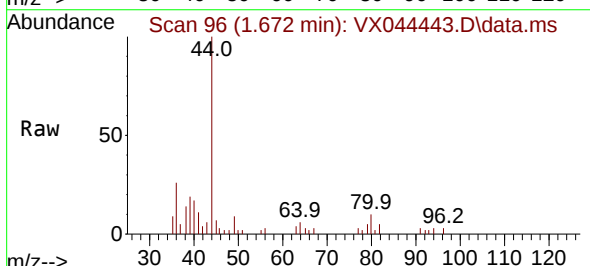


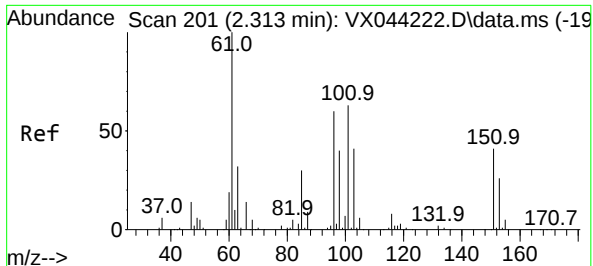
Tgt Ion: 94 Resp: 716
Ion Ratio Lower Upper
94 100
96 60.7 74.9 112.3#



#6
Chloroethane
Concen: 0.232 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Tgt Ion: 64 Resp: 264
Ion Ratio Lower Upper
64 100
66 36.3 26.6 39.8

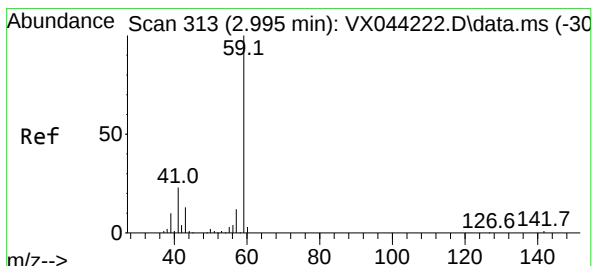
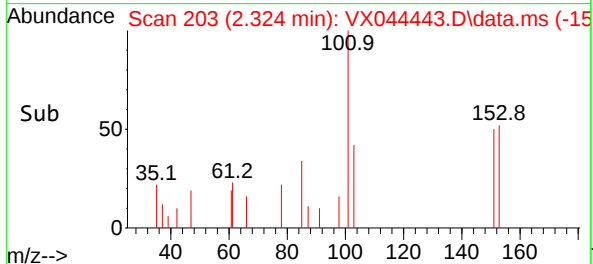
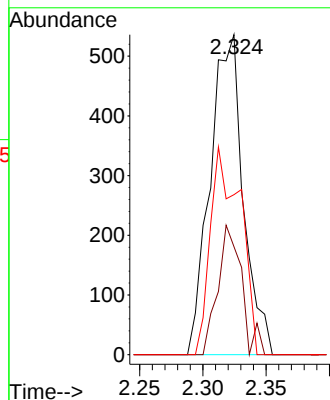
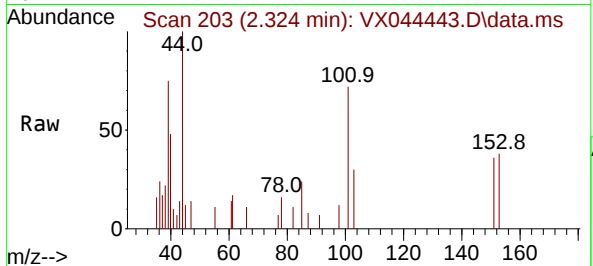




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.674 ug/l
RT: 2.324 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

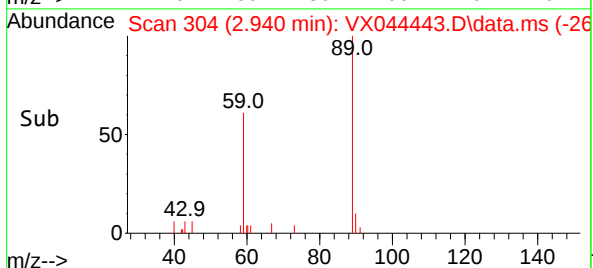
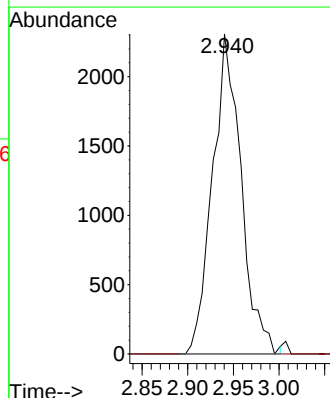
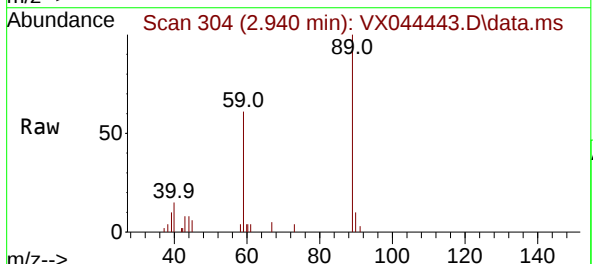
Instrument :
MSVOA_X
ClientSampleId :

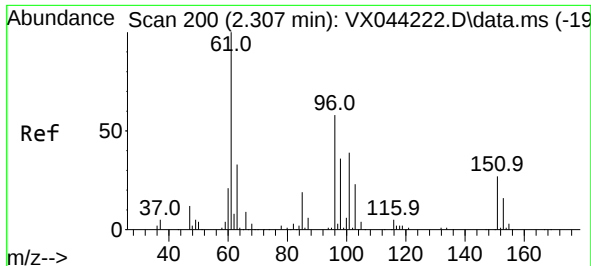
Tgt Ion:101 Resp: 977
Ion Ratio Lower Upper
101 100
85 28.9 38.5 57.7#
151 58.9 55.8 83.6



#11
Tert butyl alcohol
Concen: 17.116 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Tgt Ion: 59 Resp: 5021
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 0.259 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044443.D

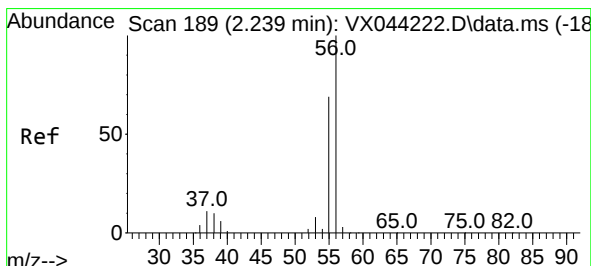
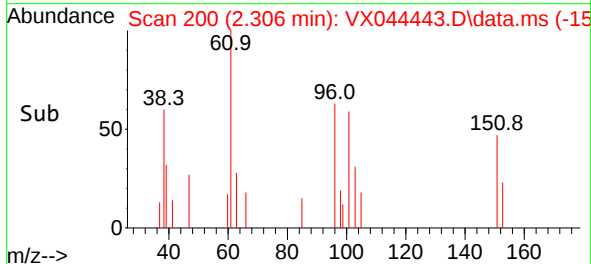
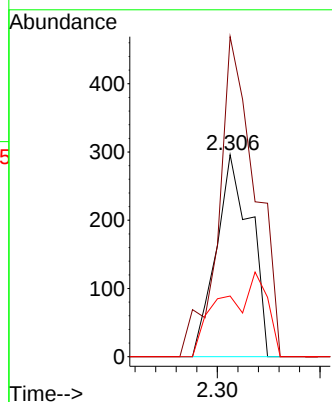
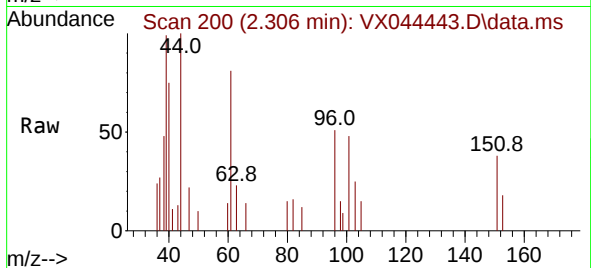
Acq: 20 Dec 2024 11:39

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	96	Resp:	344
Ion	Ratio	Lower	Upper
96	100		
61	158.4	138.0	207.0
98	30.1	50.0	75.0



#13

Acrolein

Concen: 0.445 ug/l

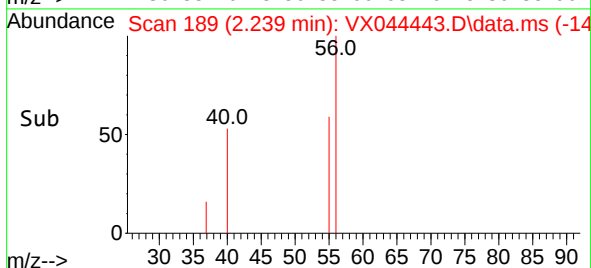
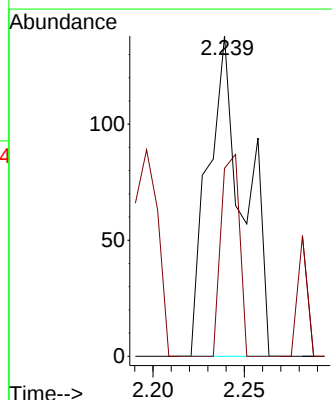
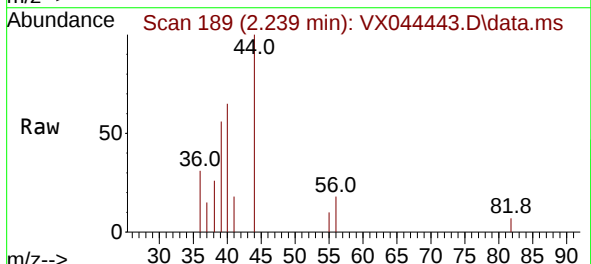
RT: 2.239 min Scan# 189

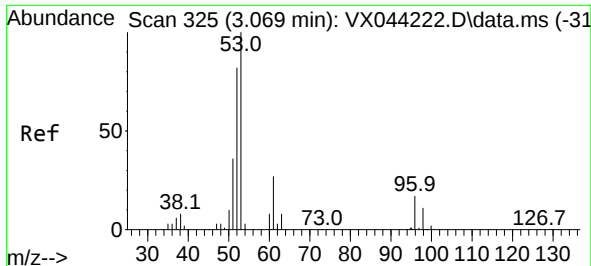
Delta R.T. -0.000 min

Lab File: VX044443.D

Acq: 20 Dec 2024 11:39

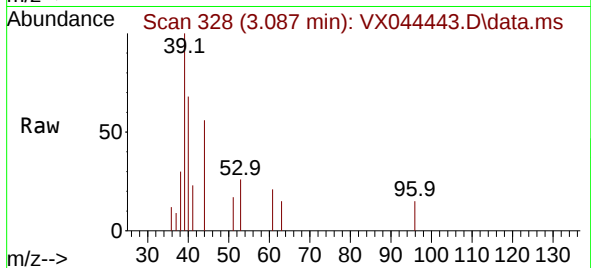
Tgt Ion:	56	Resp:	189
Ion	Ratio	Lower	Upper
56	100		
55	32.3	56.6	84.8



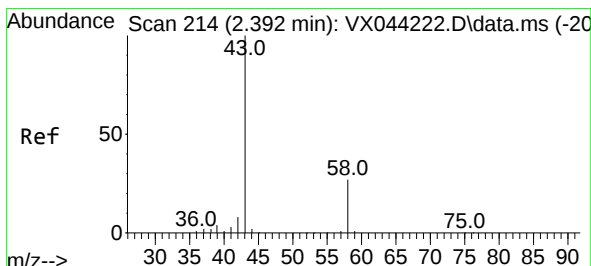
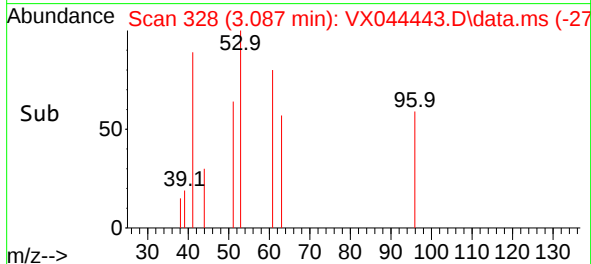
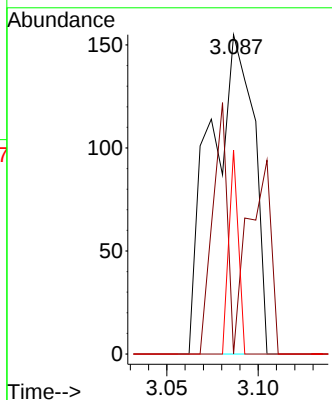


#15
Acrylonitrile
Concen: 0.316 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Instrument :
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ClientSampleId :

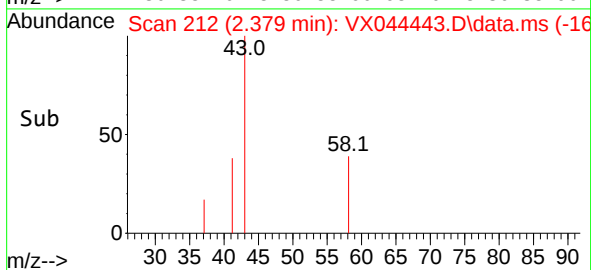
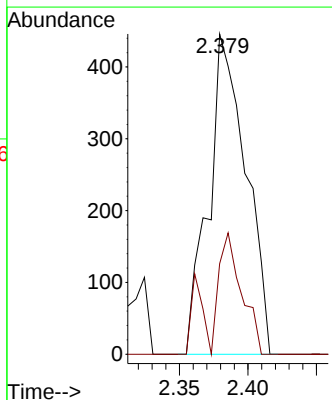
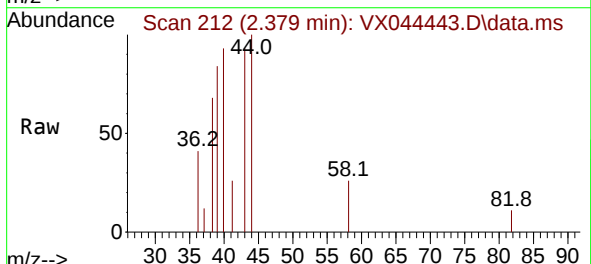


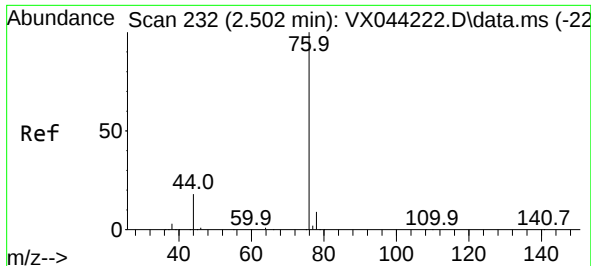
Tgt Ion: 53 Resp: 257
Ion Ratio Lower Upper
53 100
52 26.1 67.4 101.0#
51 14.0 30.3 45.5#



#16
Acetone
Concen: 0.995 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.013 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

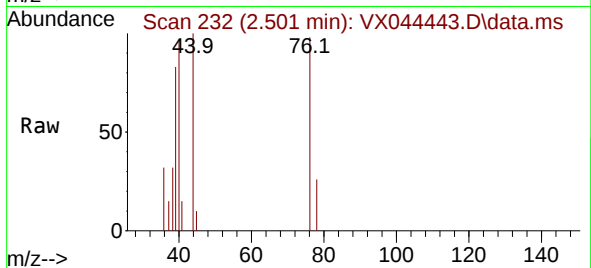
Tgt Ion: 43 Resp: 844
Ion Ratio Lower Upper
43 100
58 28.3 21.6 32.4



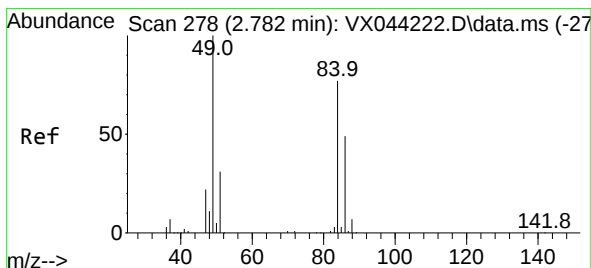
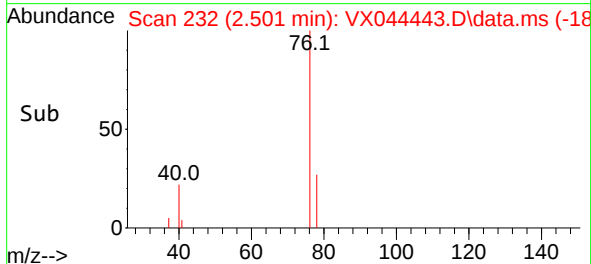
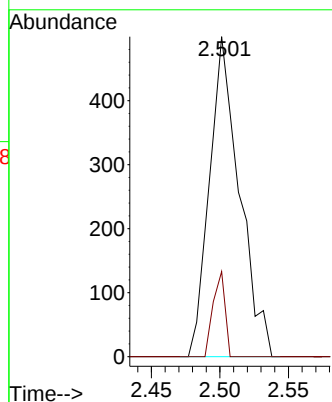


#17
Carbon Disulfide
Concen: 0.301 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Instrument :
MSVOA_X
ClientSampleId :

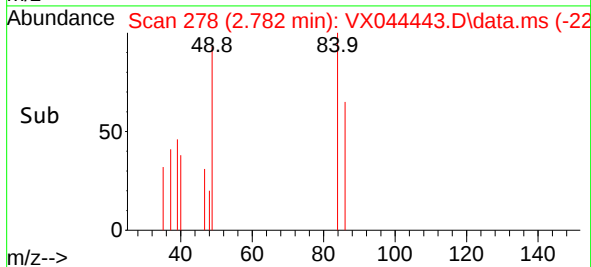
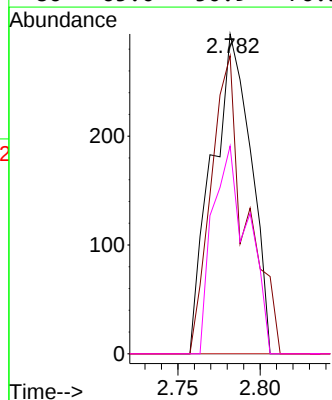
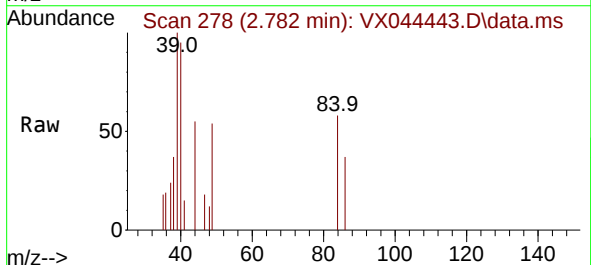


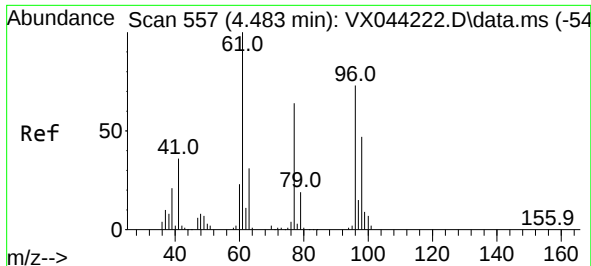
Tgt Ion: 76 Resp: 761
Ion Ratio Lower Upper
76 100
78 26.6 7.4 11.0#



#20
Methylene Chloride
Concen: 0.304 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Tgt Ion: 84 Resp: 484
Ion Ratio Lower Upper
84 100
49 93.2 104.2 156.4#
51 0.0 32.2 48.4#
86 65.0 50.9 76.3





#27

cis-1,2-Dichloroethene

Concen: 0.502 ug/l

RT: 4.513 min Scan# 50

Delta R.T. 0.030 min

Lab File: VX044443.D

Acq: 20 Dec 2024 11:39

Instrument :

MSVOA_X

ClientSampleId :

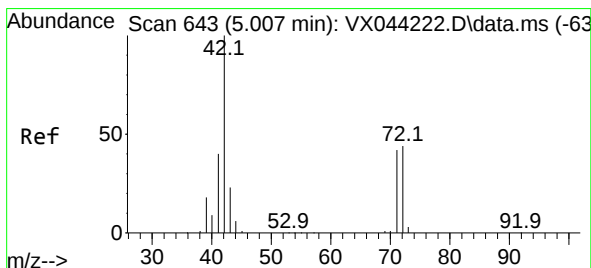
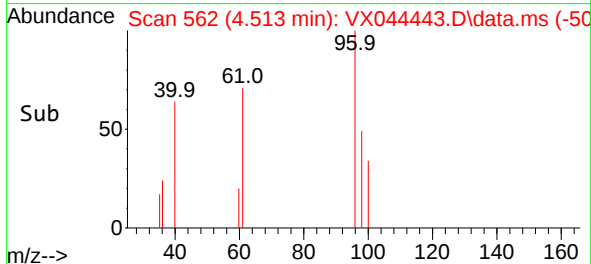
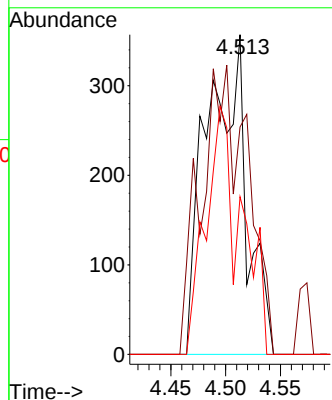
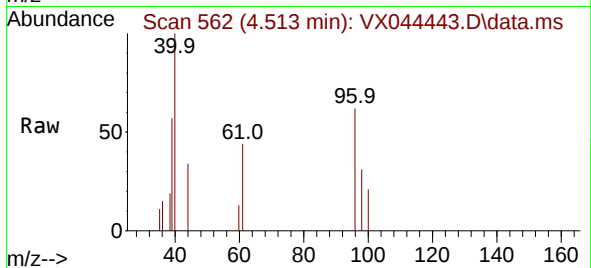
Tgt Ion: 96 Resp: 902

Ion Ratio Lower Upper

96 100

61 105.4 0.0 299.0

98 69.3 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.247 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.042 min

Lab File: VX044443.D

Acq: 20 Dec 2024 11:39

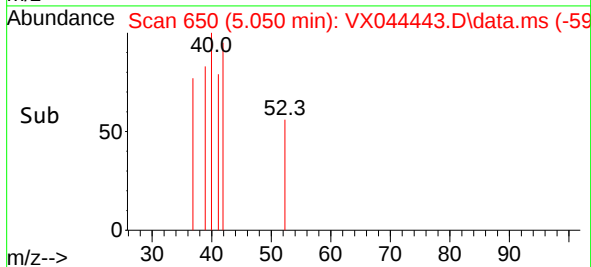
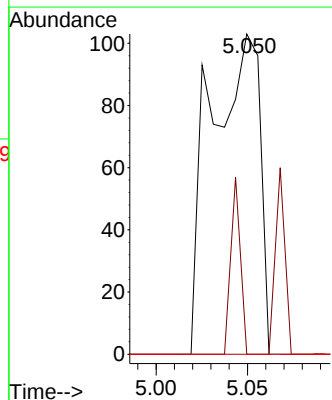
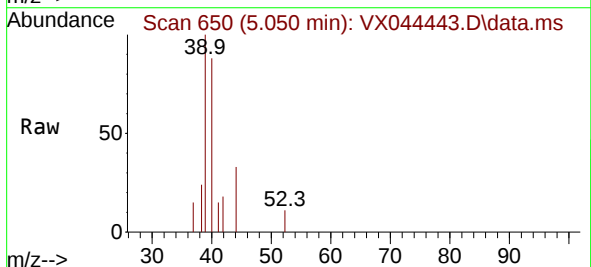
Tgt Ion: 42 Resp: 191

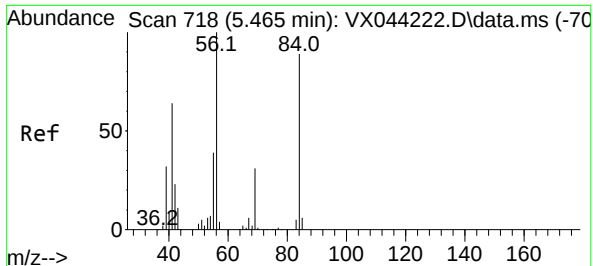
Ion Ratio Lower Upper

42 100

72 11.0 37.0 55.6#

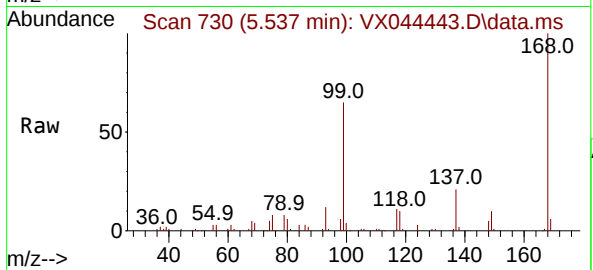
71 0.0 33.6 50.4#



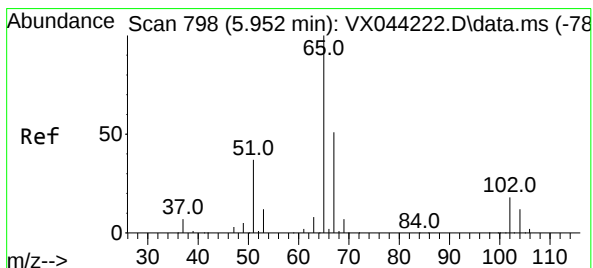
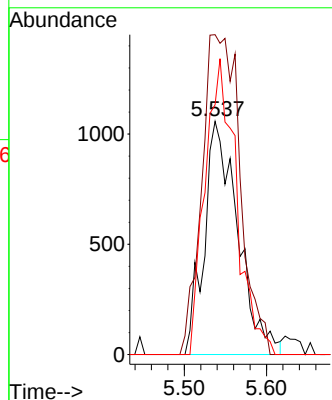
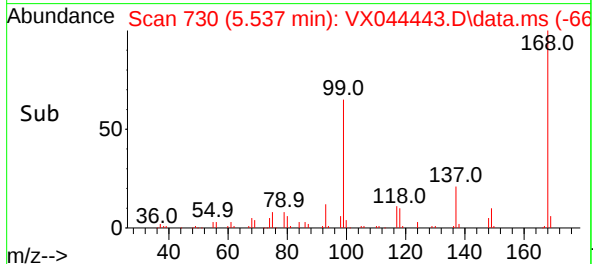


#31
Cyclohexane
Concen: 1.343 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Instrument :
MSVOA_X
ClientSampleId :

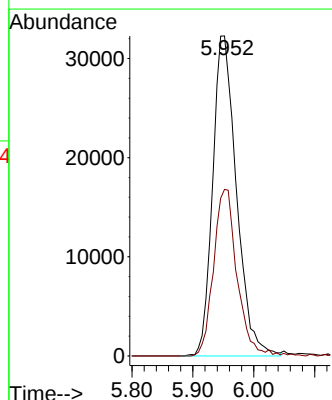
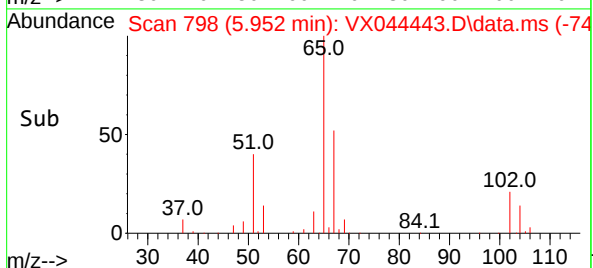
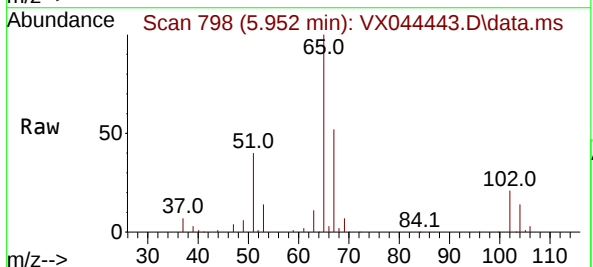


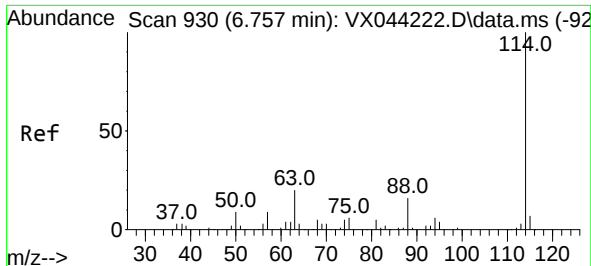
Tgt Ion: 56 Resp: 3017
Ion Ratio Lower Upper
56 100
69 137.1 24.7 37.1#
84 107.1 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 42.021 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

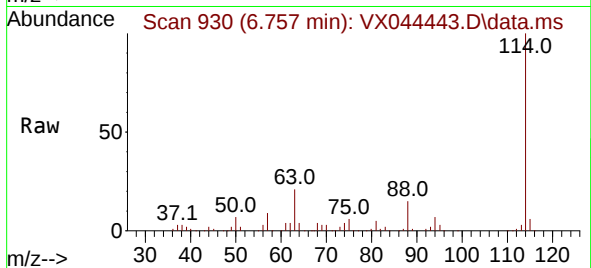
Tgt Ion: 65 Resp: 87466
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.6



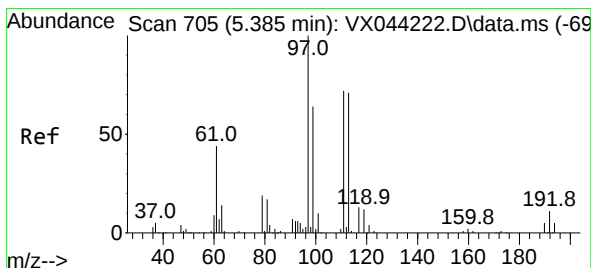
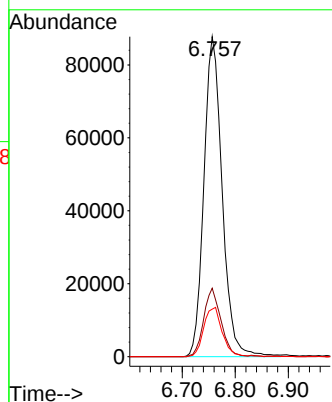
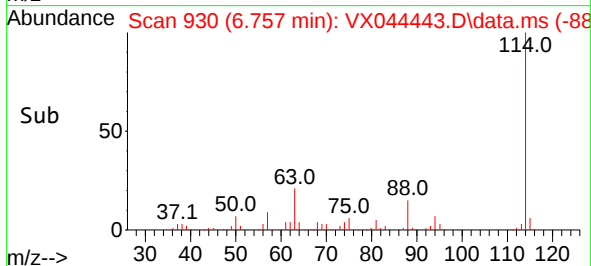


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Instrument :
MSVOA_X
ClientSampleId :

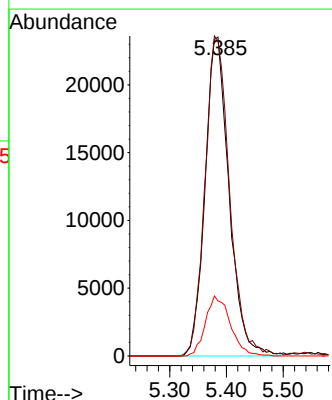
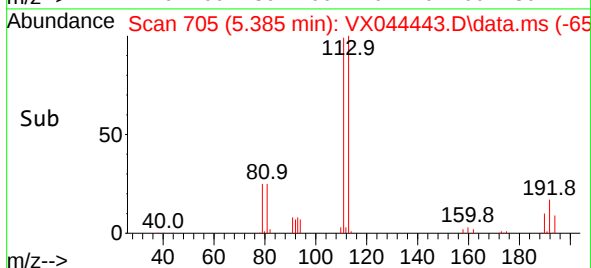
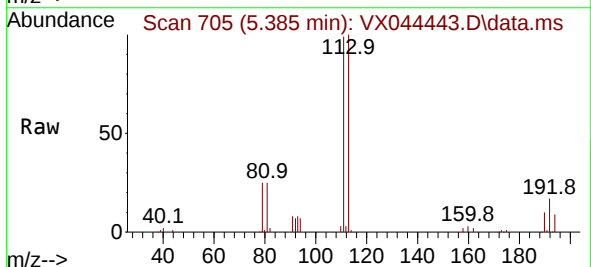


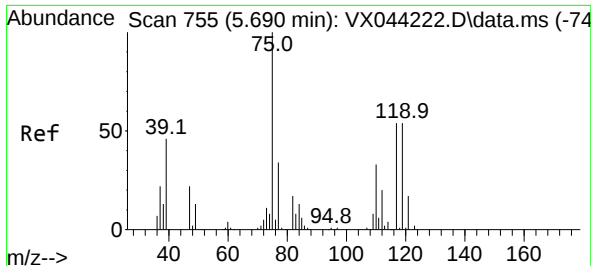
Tgt Ion:114 Resp: 210308
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.6
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.433 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

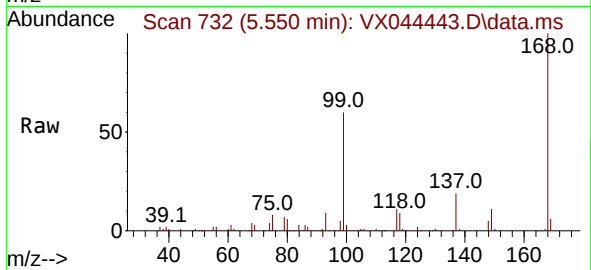
Tgt Ion:113 Resp: 69089
Ion Ratio Lower Upper
113 100
111 103.1 80.4 120.6
192 19.5 13.3 19.9



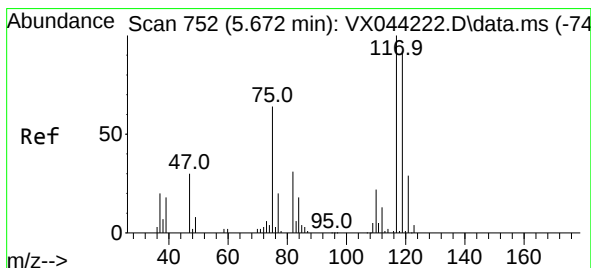
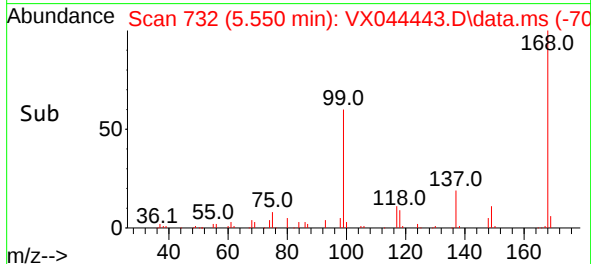
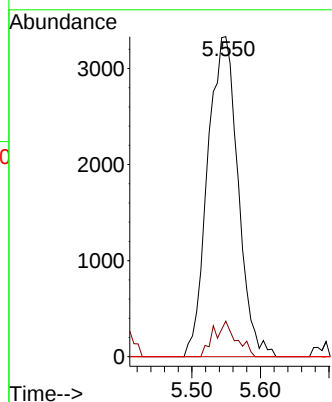


#36
 1,1-Dichloropropene
 Concen: 5.445 ug/l
 RT: 5.550 min Scan# 712
 Delta R.T. -0.141 min
 Lab File: VX044443.D
 Acq: 20 Dec 2024 11:39

Instrument :
 MSVOA_X
 ClientSampleId :

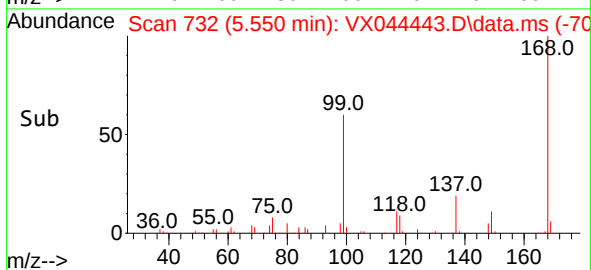
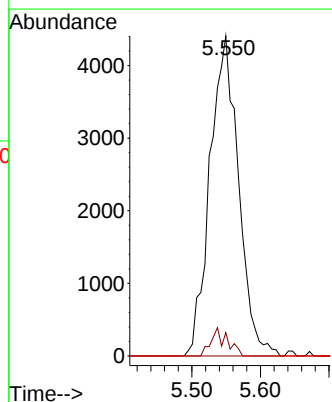
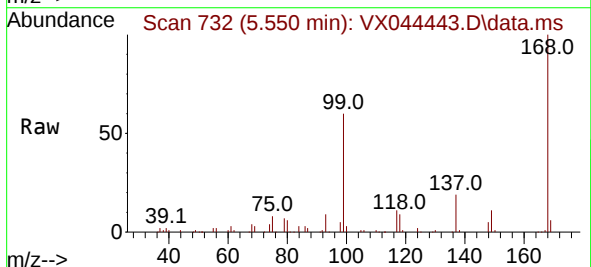


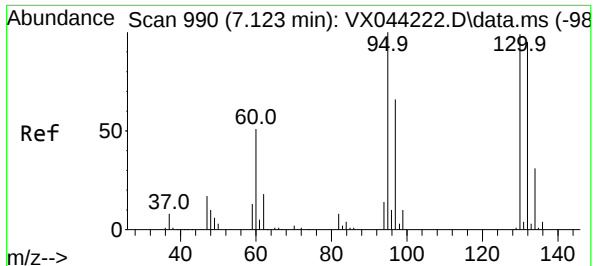
Tgt Ion: 75 Resp: 10252
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.3 51.7#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.297 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.122 min
 Lab File: VX044443.D
 Acq: 20 Dec 2024 11:39

Tgt Ion: 117 Resp: 12764
 Ion Ratio Lower Upper
 117 100
 119 7.3 74.2 111.4#
 121 0.0 23.0 34.6#

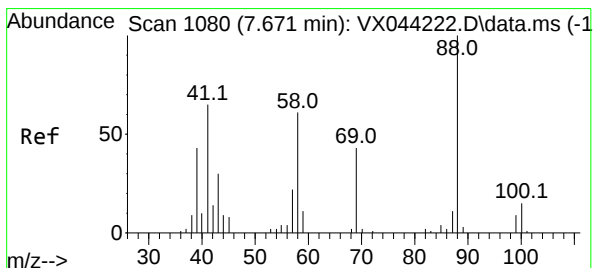
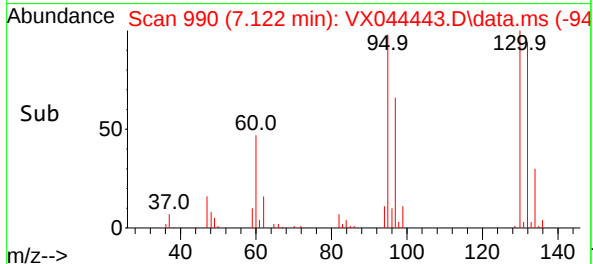
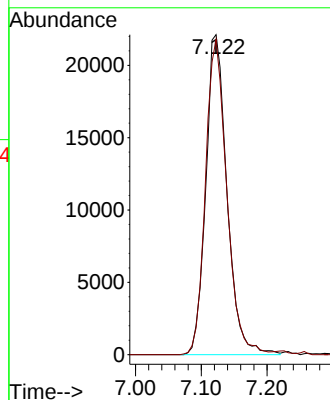
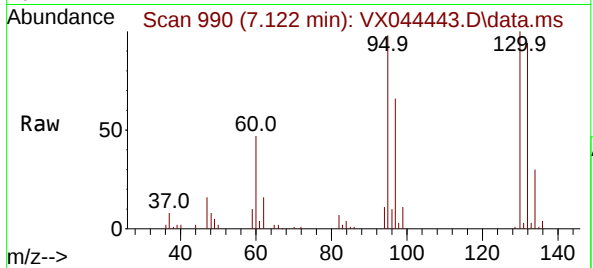




#44
Trichloroethene
Concen: 34.879 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

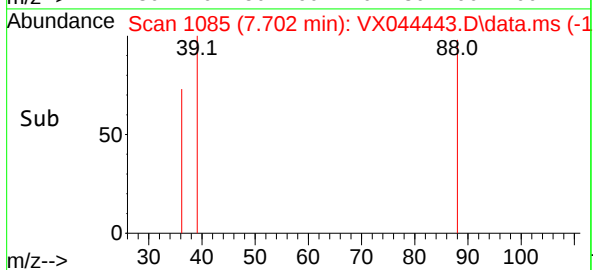
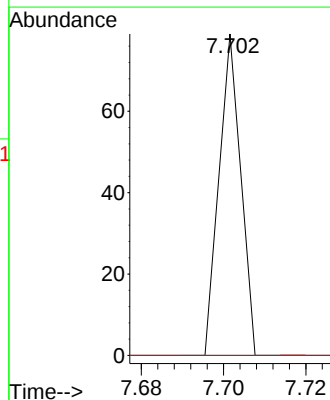
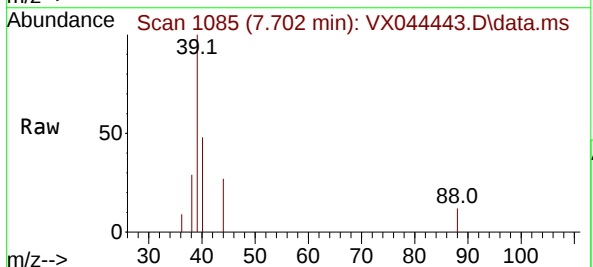
Instrument :
MSVOA_X
ClientSampleId :

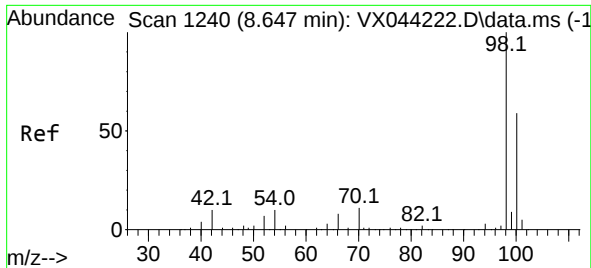
Tgt Ion:130 Resp: 49722
Ion Ratio Lower Upper
130 100
95 98.5 0.0 201.4



#49
1,4-Dioxane
Concen: 0.991 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.030 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 41.0 61.4#

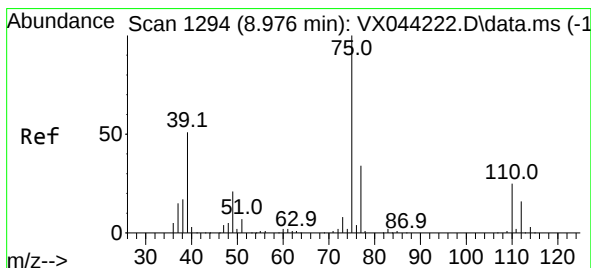
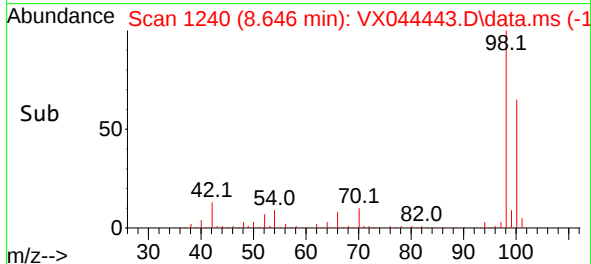
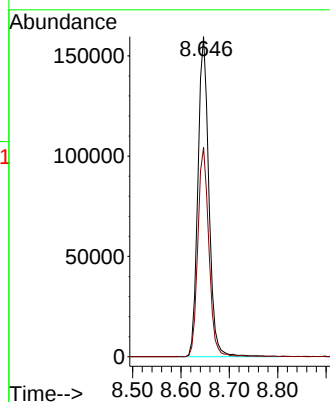
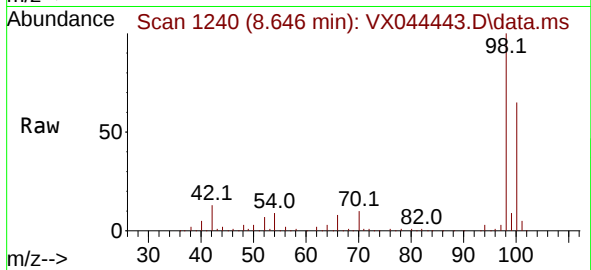




#50
Toluene-d8
Concen: 51.000 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

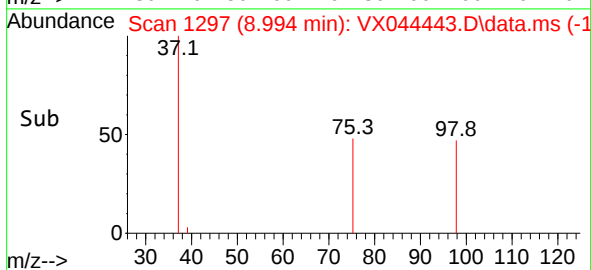
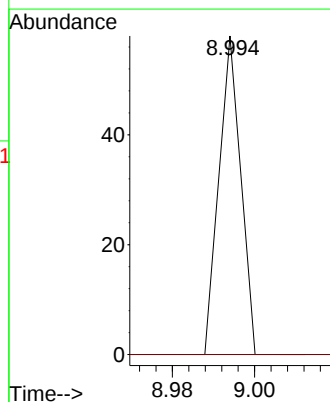
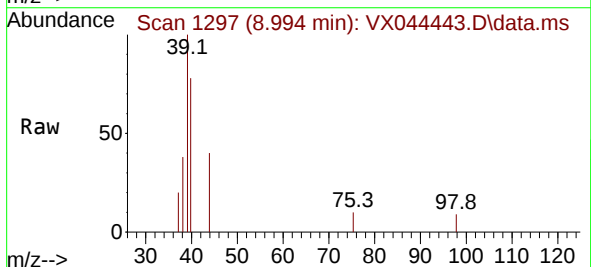
Instrument :
MSVOA_X
ClientSampleId :

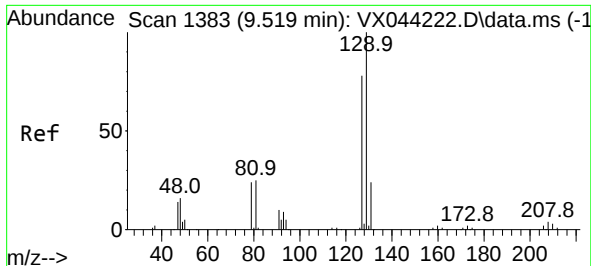
Tgt Ion: 98 Resp: 250617
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3



#53
t-1,3-Dichloropropene
Concen: 1.006 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 27.2 40.8#

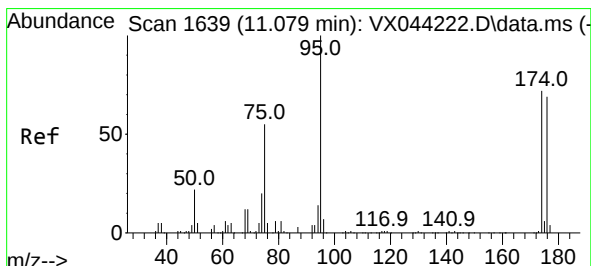
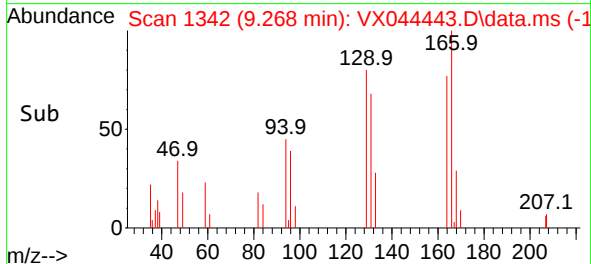
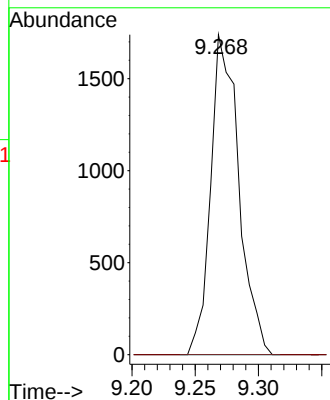
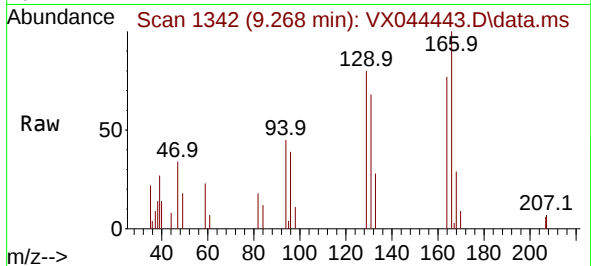




#60
Dibromochloromethane
Concen: 3.046 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

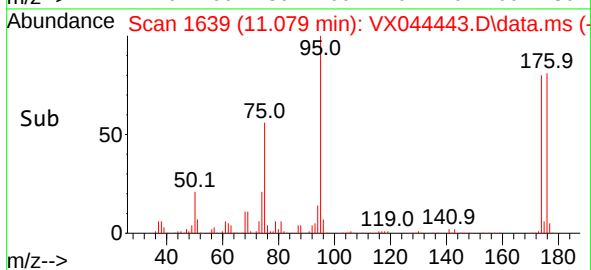
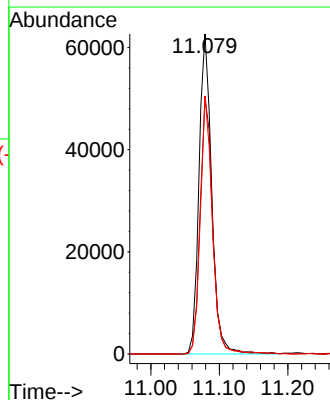
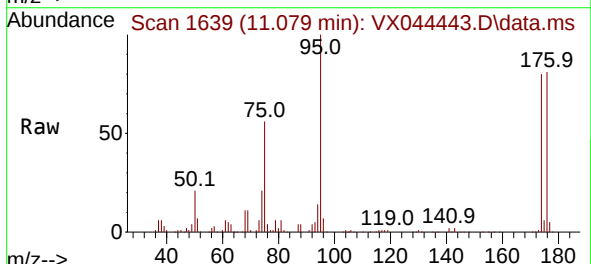
Instrument :
MSVOA_X
ClientSampleId :

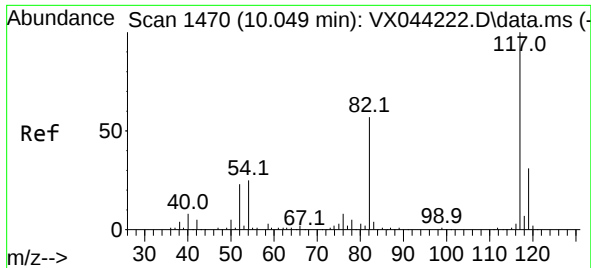
Tgt Ion:129 Resp: 2691
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 47.252 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Tgt Ion: 95 Resp: 81136
Ion Ratio Lower Upper
95 100
174 79.5 0.0 145.8
176 75.7 0.0 137.8

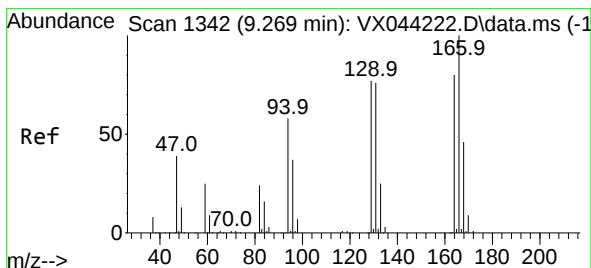
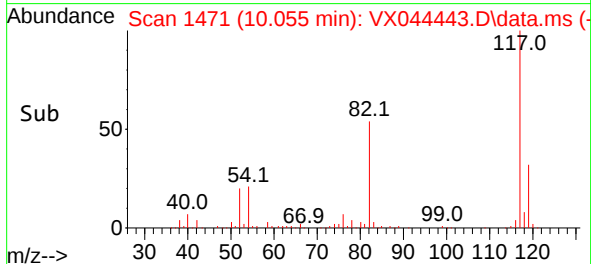
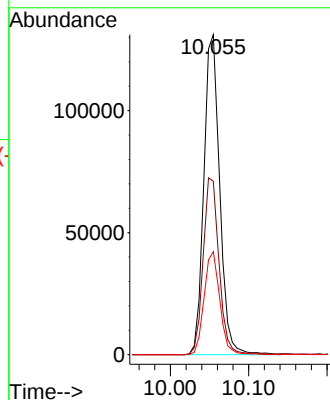
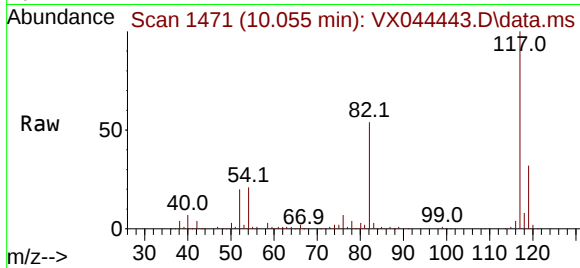




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

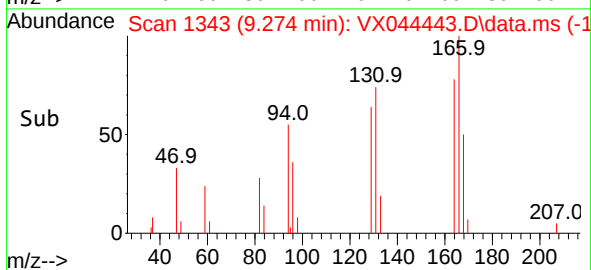
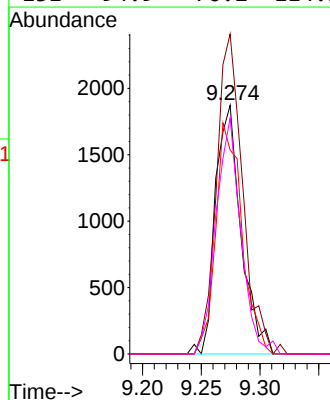
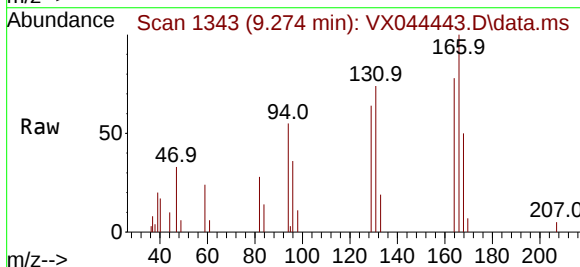
Instrument :
MSVOA_X
ClientSampleId :

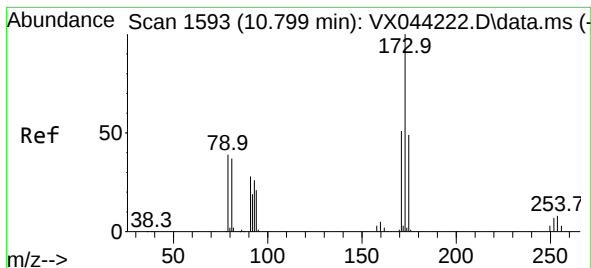
Tgt Ion:117 Resp: 184348
Ion Ratio Lower Upper
117 100
82 54.2 45.8 68.8
119 32.2 25.0 37.4



#64
Tetrachloroethene
Concen: 2.330 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Tgt Ion:164 Resp: 2851
Ion Ratio Lower Upper
164 100
166 128.7 100.4 150.6
129 82.0 77.2 115.8
131 94.9 76.2 114.2





#71

Bromoform

Concen: 1.265 ug/l

RT: 10.811 min Scan# 11

Delta R.T. 0.012 min

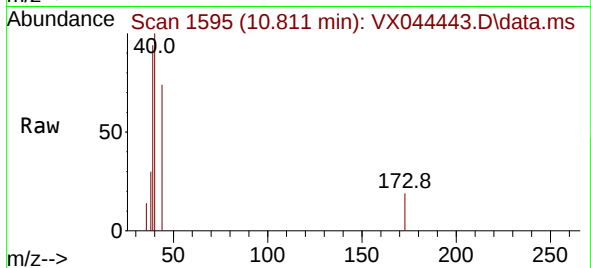
Lab File: VX044443.D

Acq: 20 Dec 2024 11:39

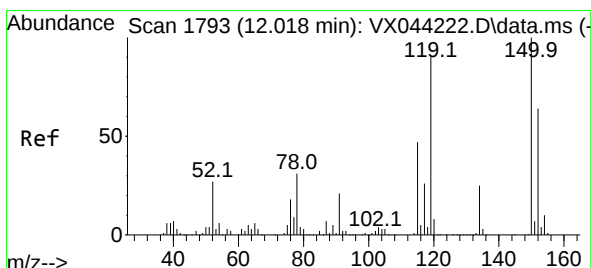
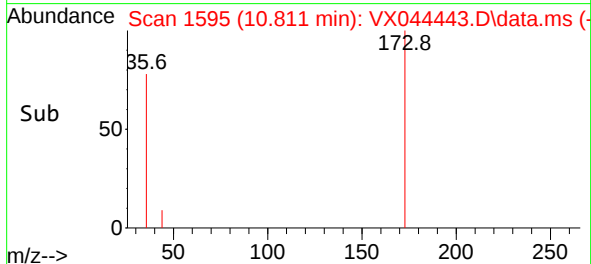
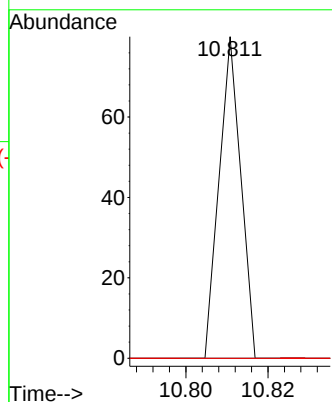
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	173	Resp:	29
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.8	71.4#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

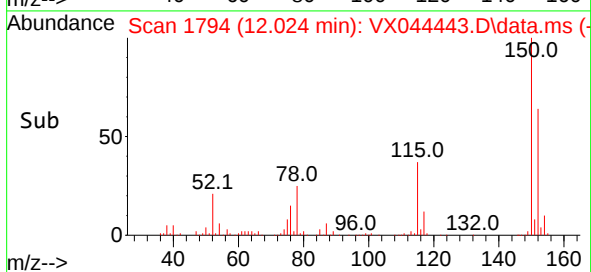
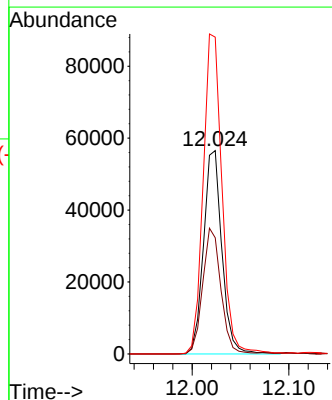
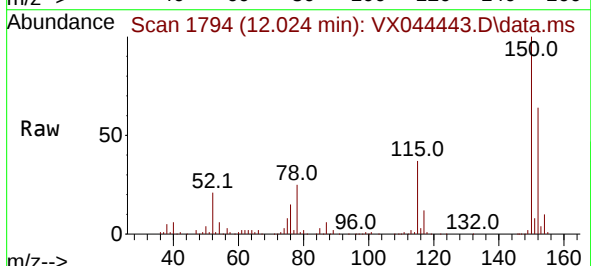
RT: 12.024 min Scan# 1794

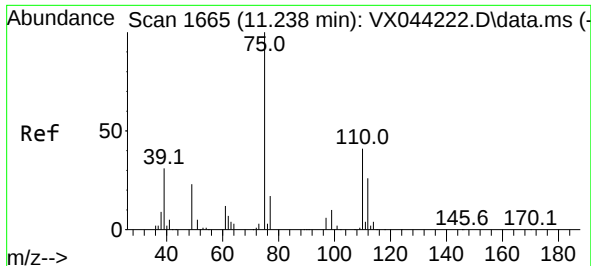
Delta R.T. 0.006 min

Lab File: VX044443.D

Acq: 20 Dec 2024 11:39

Tgt Ion:	152	Resp:	75117
Ion Ratio	Lower	Upper	
152	100		
115	61.3	44.5	133.3
150	159.9	0.0	353.8

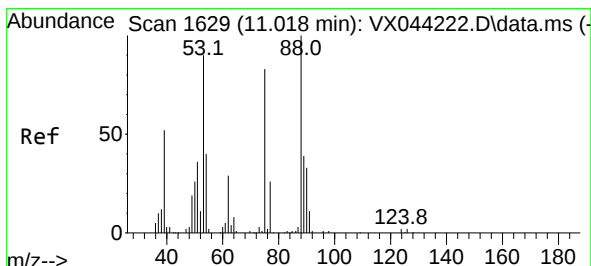
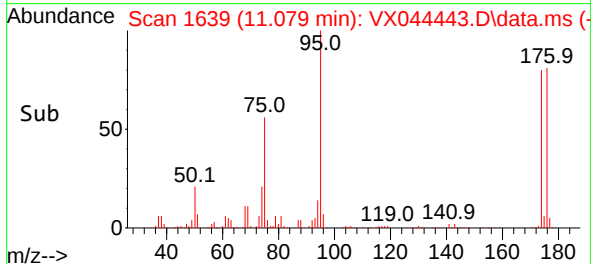
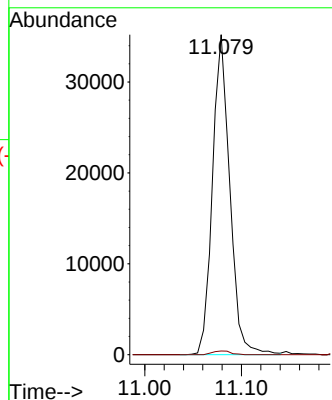
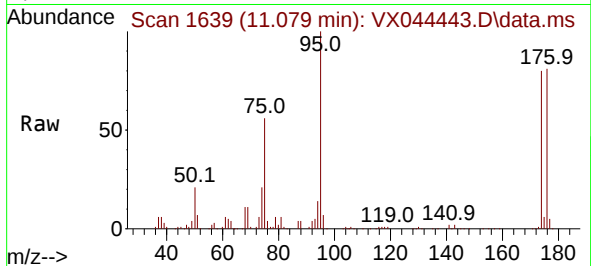




#76
1,2,3-Trichloropropane
Concen: 26.150 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

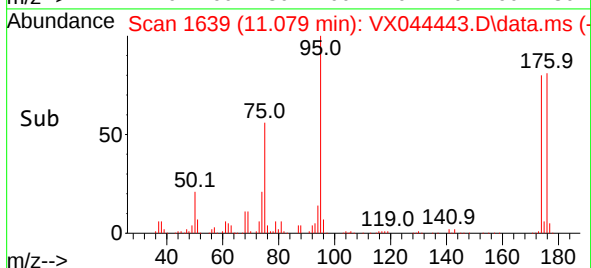
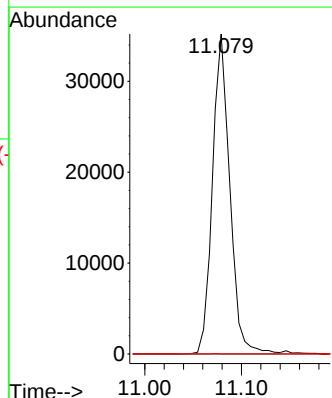
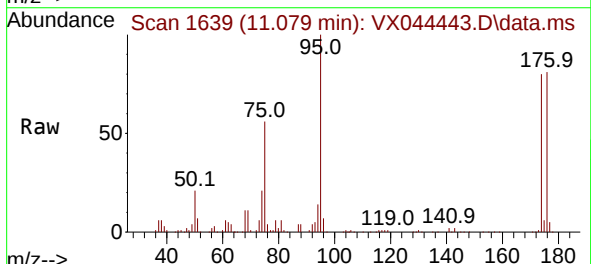
Instrument :
MSVOA_X
ClientSampleId :

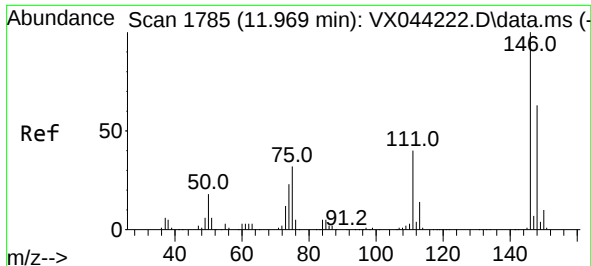
Tgt Ion: 75 Resp: 43858
Ion Ratio Lower Upper
75 100
77 1.2 20.9 62.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.151 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044443.D
Acq: 20 Dec 2024 11:39

Tgt Ion: 75 Resp: 43858
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.1 37.3 55.9#





#87

1,3-Dichlorobenzene

Concen: 0.212 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX044443.D

Acq: 20 Dec 2024 11:39

Instrument :

MSVOA_X

ClientSampleId :

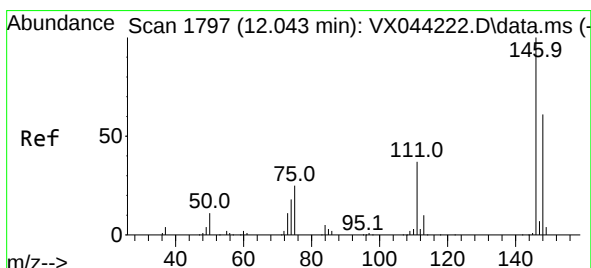
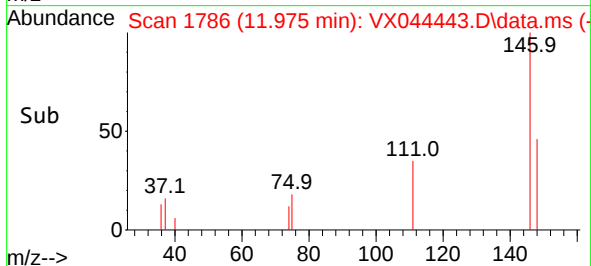
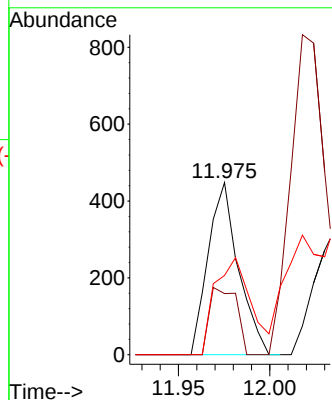
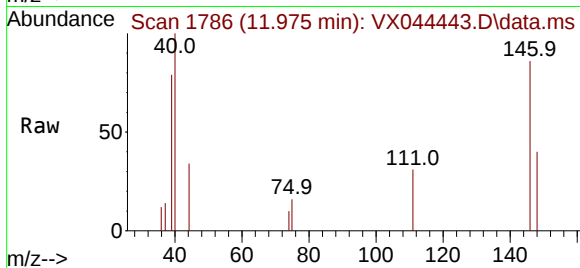
Tgt Ion:146 Resp: 517

Ion Ratio Lower Upper

146 100

111 35.0 21.4 64.2

148 67.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.206 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX044443.D

Acq: 20 Dec 2024 11:39

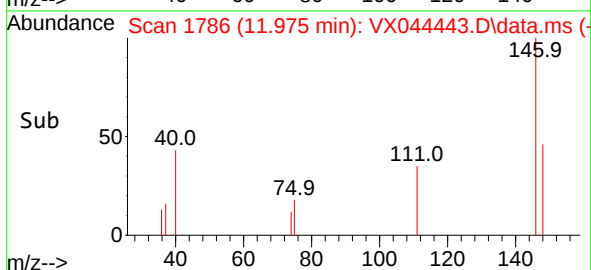
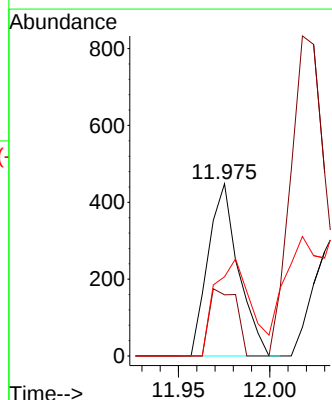
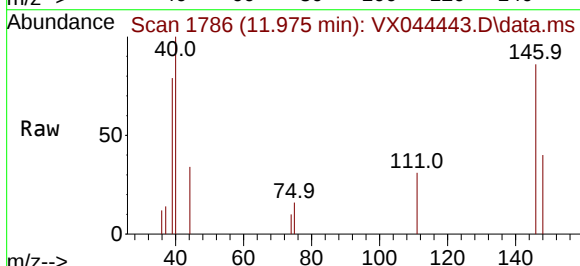
Tgt Ion:146 Resp: 517

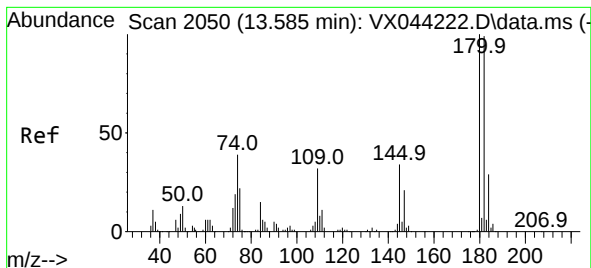
Ion Ratio Lower Upper

146 100

111 35.0 21.0 63.0

148 67.3 32.3 96.8





#93

1,2,4-Trichlorobenzene

Concen: 0.274 ug/l

RT: 13.609 min Scan# 2054

Delta R.T. 0.024 min

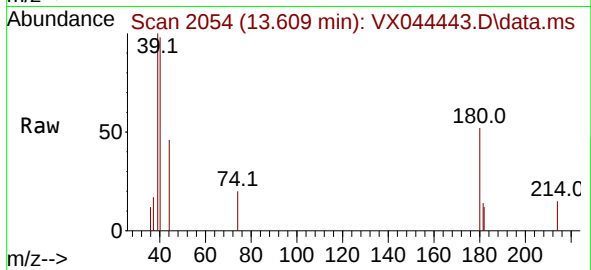
Lab File: VX044443.D

Acq: 20 Dec 2024 11:39

Instrument :

MSVOA_X

ClientSampleId :



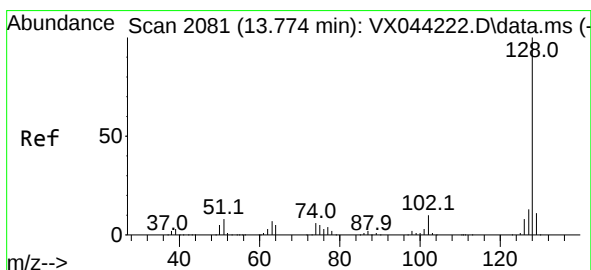
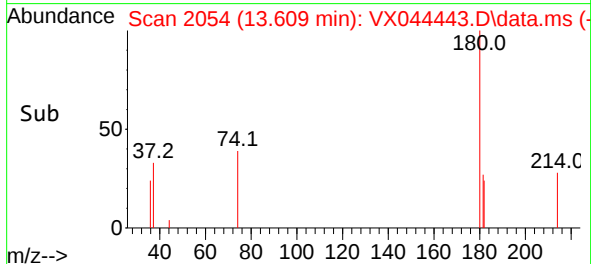
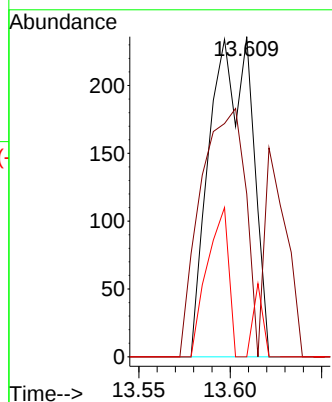
Tgt Ion:180 Resp: 380

Ion Ratio Lower Upper

180 100

182 32.9 48.0 144.2#

145 5.3 16.6 49.7#



#95

Naphthalene

Concen: 0.377 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX044443.D

Acq: 20 Dec 2024 11:39

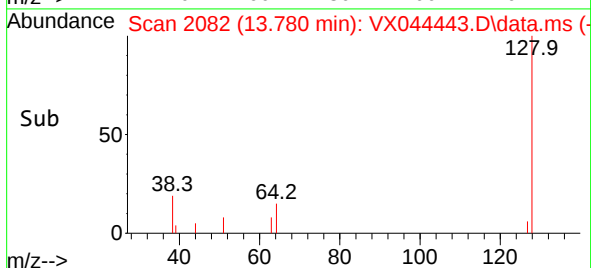
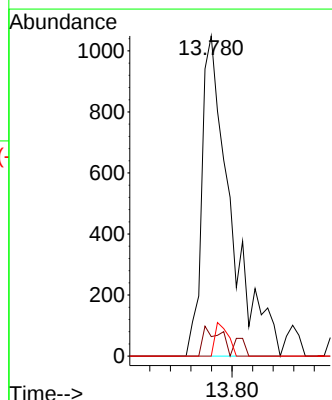
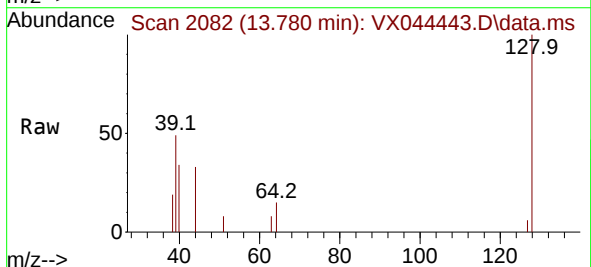
Tgt Ion:128 Resp: 2041

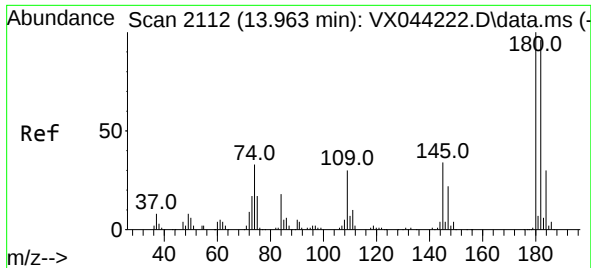
Ion Ratio Lower Upper

128 100

127 5.5 10.5 15.7#

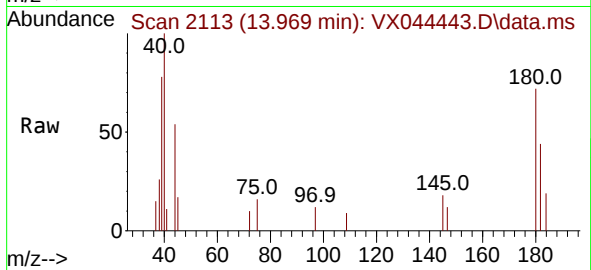
129 4.7 9.0 13.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.364 ug/l
 RT: 13.969 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX044443.D
 Acq: 20 Dec 2024 11:39

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 536
 Ion Ratio Lower Upper
 180 100
 182 75.4 48.0 144.0
 145 23.1 17.7 53.1

