

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052522\
 Data File : VX028946.D
 Acq On : 25 May 2022 13:31
 Operator : JC/MD
 Sample : N2983-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41S-20220520

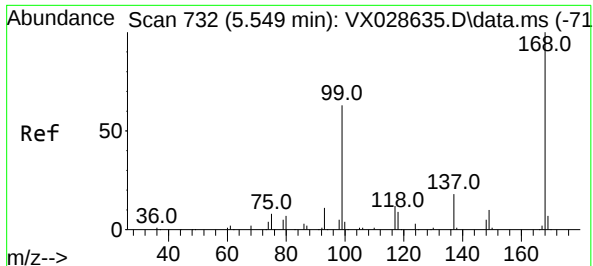
Quant Time: May 26 05:43:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	333890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	598504	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	273118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	231512	50.583	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.160%	
35) Dibromofluoromethane	5.391	113	198841	50.708	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.420%	
50) Toluene-d8	8.653	98	709116	47.965	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.920%	
62) 4-Bromofluorobenzene	11.079	95	284342	51.493	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 102.980%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9546	2.183	ug/l	99
3) Chloromethane	1.288	50	1046	0.254	ug/l	88
4) Vinyl Chloride	1.374	62	10055	2.266	ug/l	90
5) Bromomethane	1.624	94	1120	Below Cal	#	77
6) Chloroethane	1.666	64	581	Below Cal		100
9) 1,1,2-Trichlorotrifluo...	2.331	101	4729	1.270	ug/l	99
11) Tert butyl alcohol	2.953	59	216	Below Cal	#	72
12) 1,1-Dichloroethene	2.325	96	1164	0.337	ug/l	95
16) Acetone	2.380	43	4245	2.161	ug/l	91
20) Methylene Chloride	2.794	84	1248	0.303	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	12991	3.338	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	255355	56.170	ug/l	89
29) Tetrahydrofuran	5.038	42	466	0.233	ug/l #	32
31) Cyclohexane	5.556	56	6536	1.029	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	25810	4.382	ug/l #	49
38) Carbon Tetrachloride	5.556	117	35540	5.996	ug/l #	15
39) Methylcyclohexane	7.129	83	3321	0.492	ug/l #	1
44) Trichloroethene	7.129	130	286366	62.379	ug/l	97
51) 4-Methyl-2-Pentanone	8.653	43	2846	0.449	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	141954	22.194	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	141954	64.954	ug/l #	15

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

Quant Time: May 26 05:43:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

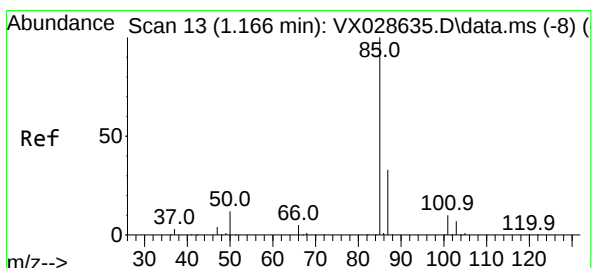
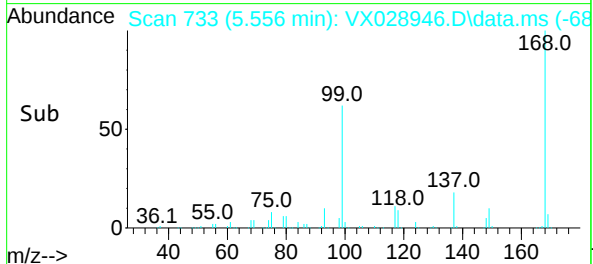
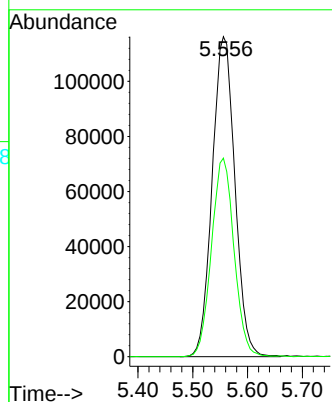
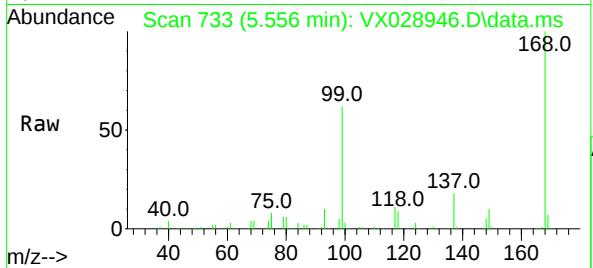




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

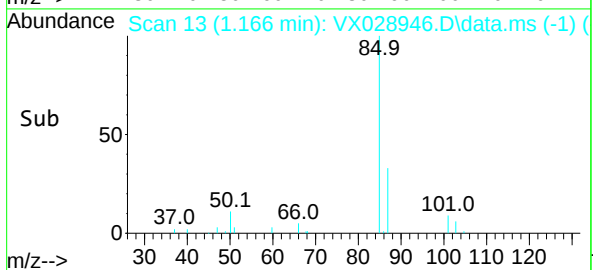
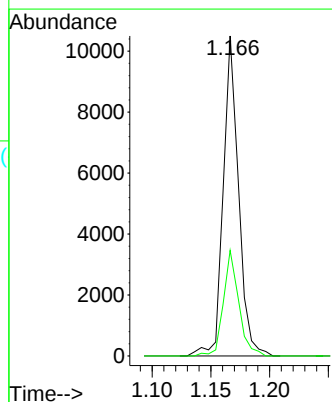
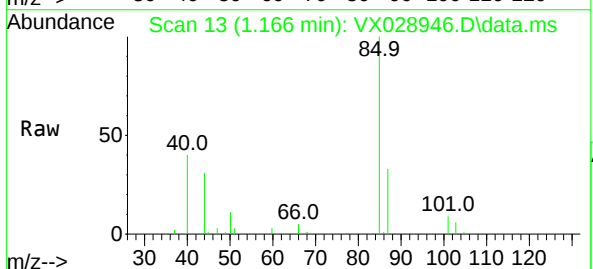
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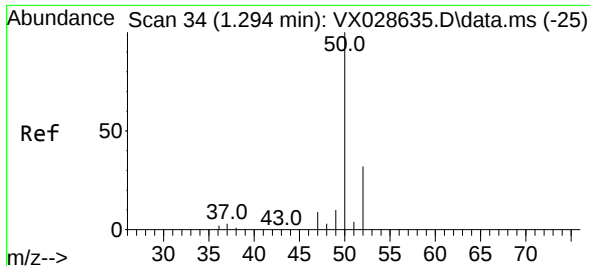
Tgt Ion:168 Resp: 333890
Ion Ratio Lower Upper
168 100
99 62.1 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 2.183 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 85 Resp: 9546
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6

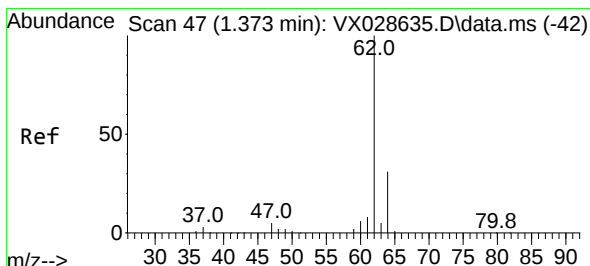
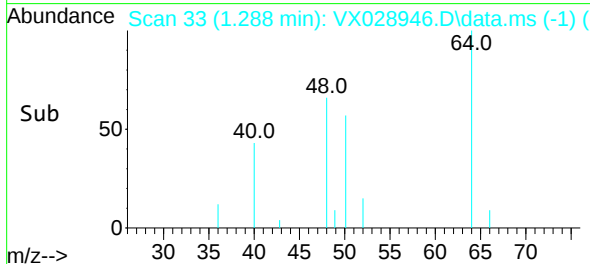
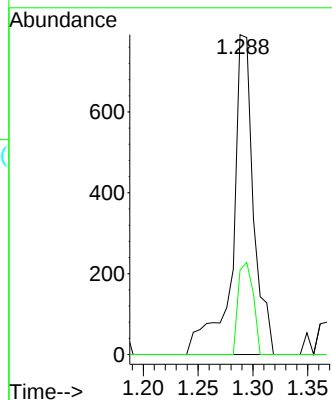
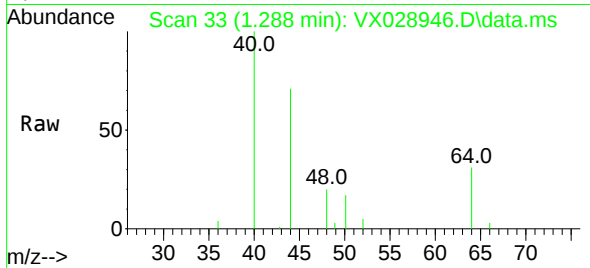




#3
Chloromethane
Concen: 0.254 ug/l
RT: 1.288 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

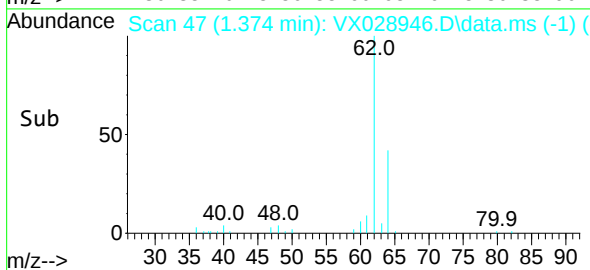
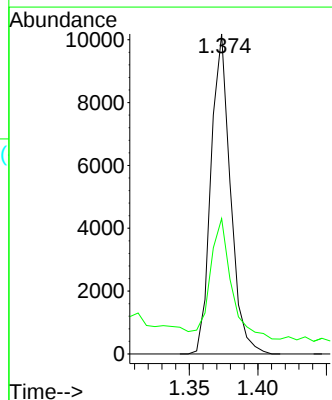
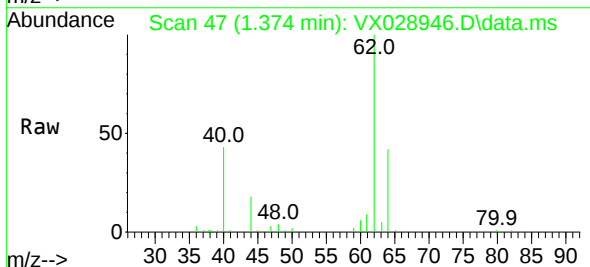
Instrument :
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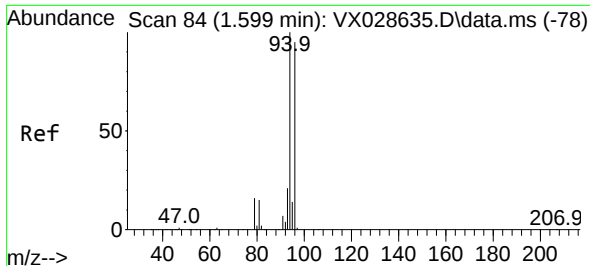
Tgt Ion: 50 Resp: 1046
Ion Ratio Lower Upper
50 100
52 26.4 26.4 39.6



#4
Vinyl Chloride
Concen: 2.266 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 62 Resp: 10055
Ion Ratio Lower Upper
62 100
64 37.6 25.5 38.3

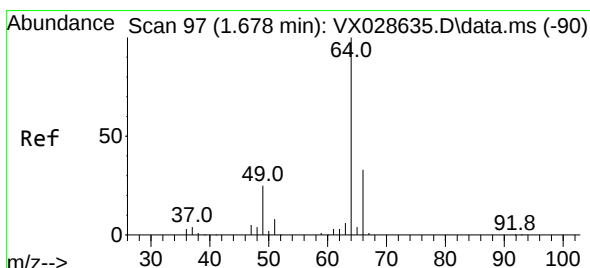
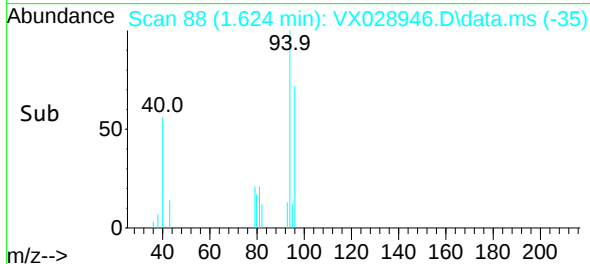
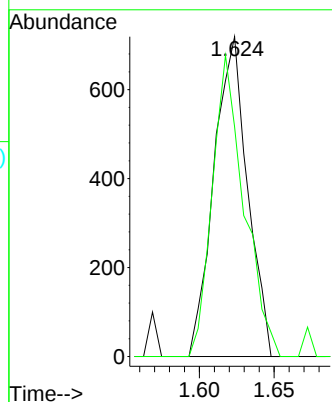
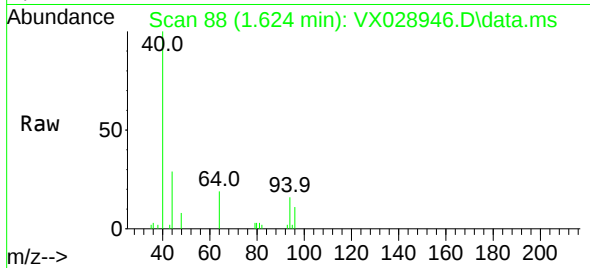




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 81
Delta R.T. 0.025 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

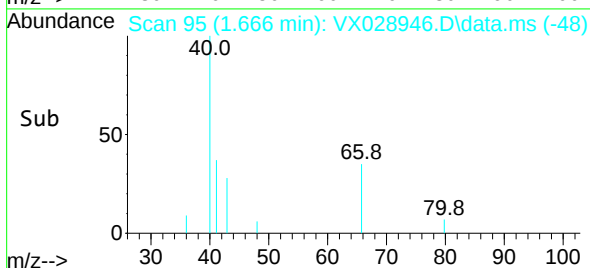
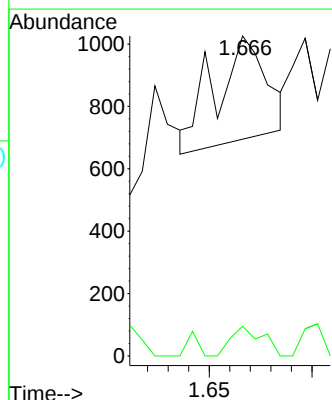
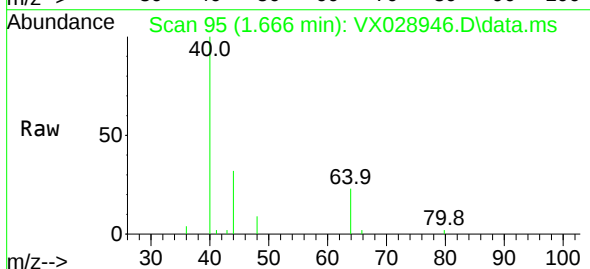
Instrument :
MSVOA_X
ClientSampleId :
41S-20220520

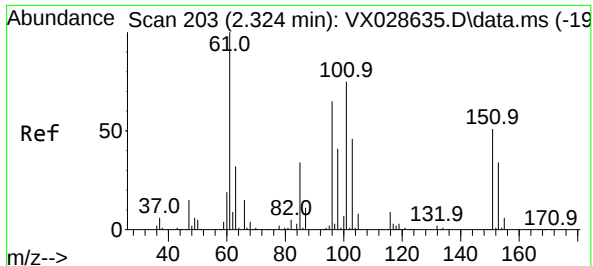
Tgt Ion: 94 Resp: 1120
Ion Ratio Lower Upper
94 100
96 71.8 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 64 Resp: 581
Ion Ratio Lower Upper
64 100
66 31.5 25.3 37.9

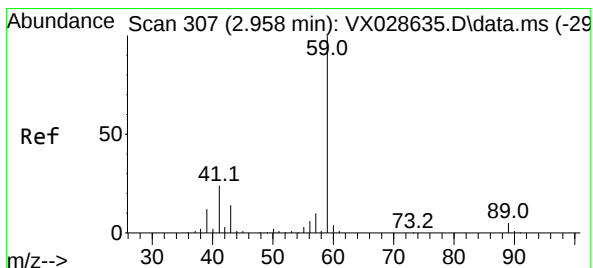
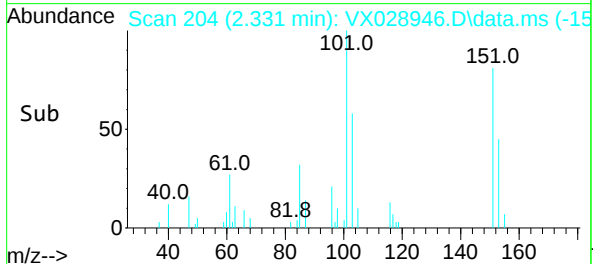
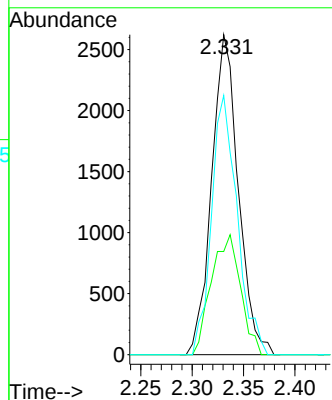
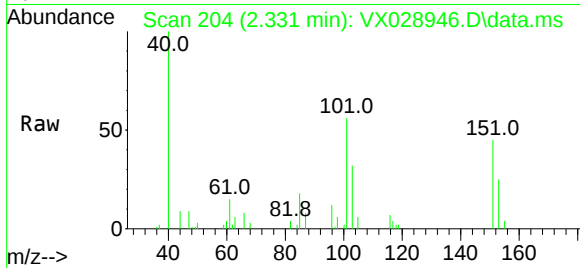




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.270 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.007 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

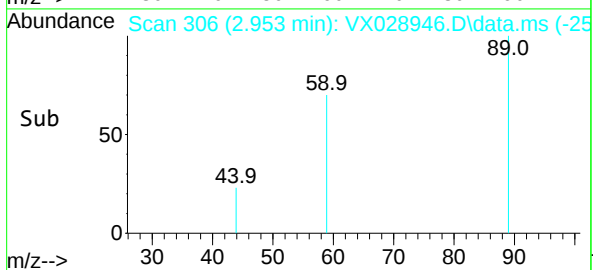
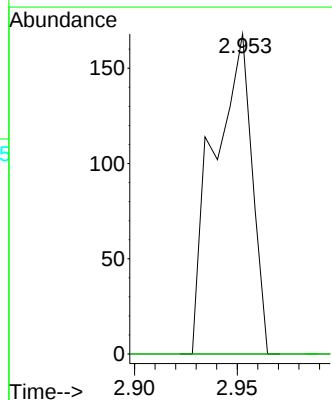
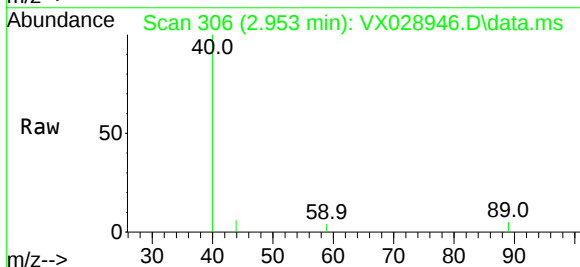
Instrument :
MSVOA_X
ClientSampleId :
41S-20220520

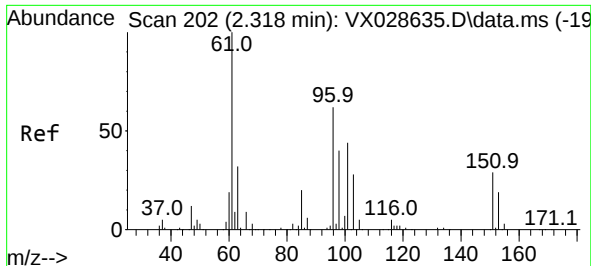
Tgt Ion:101 Resp: 4729
Ion Ratio Lower Upper
101 100
85 41.0 33.5 50.3
151 78.2 61.8 92.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.337 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.007 min

Lab File: VX028946.D

Acq: 25 May 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

41S-20220520

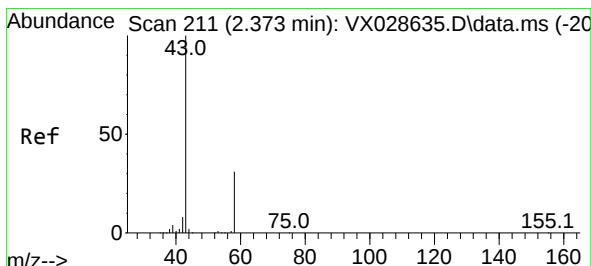
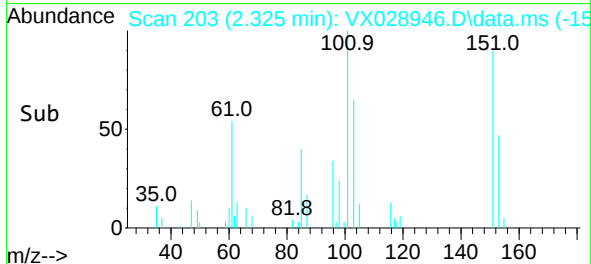
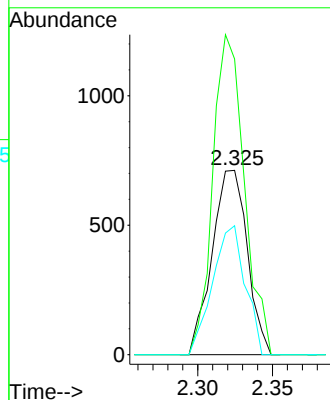
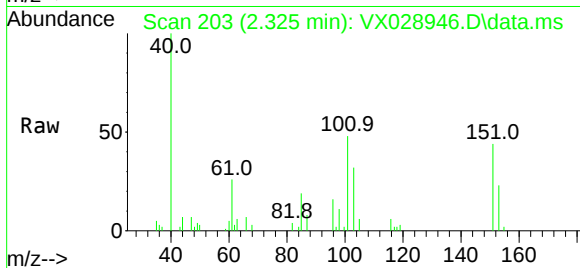
Tgt Ion: 96 Resp: 1164

Ion Ratio Lower Upper

96 100

61 160.4 124.6 187.0

98 69.9 51.0 76.4



#16

Acetone

Concen: 2.161 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX028946.D

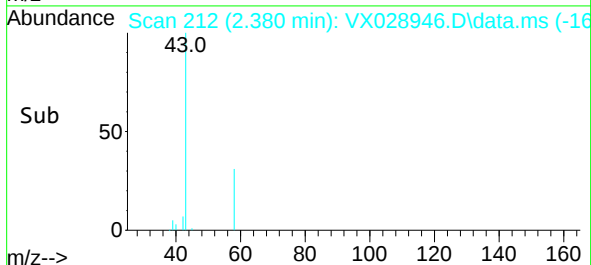
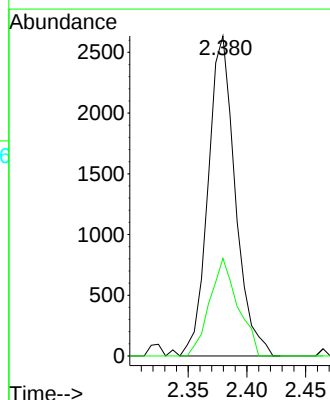
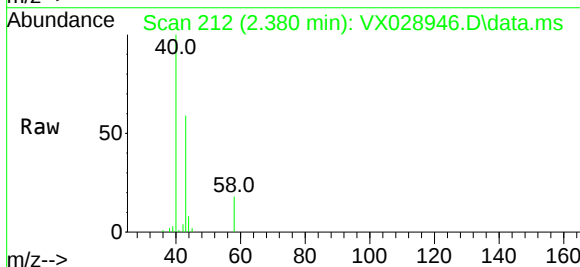
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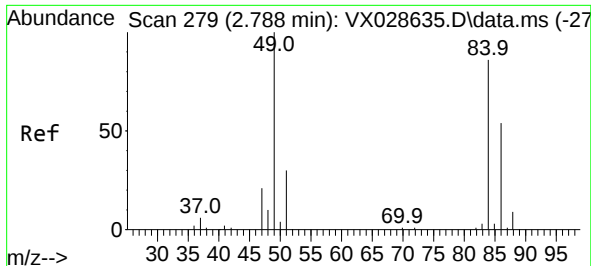
Tgt Ion: 43 Resp: 4245

Ion Ratio Lower Upper

43 100

58 30.5 28.8 43.2

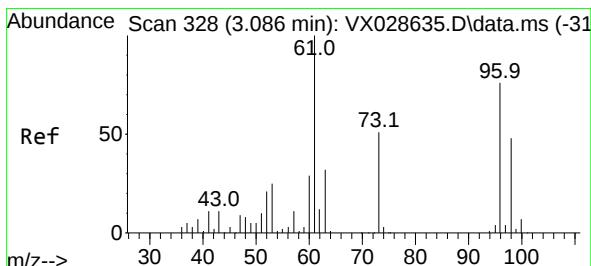
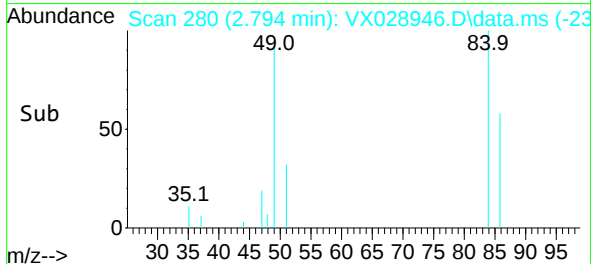
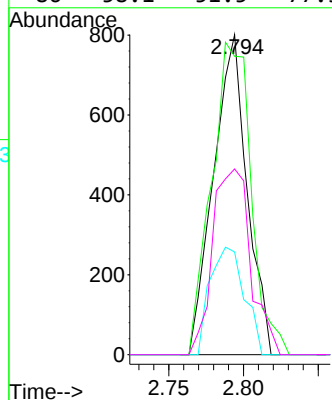
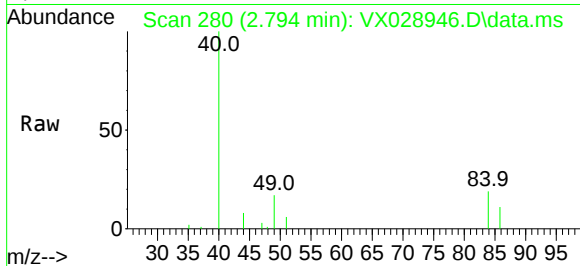




#20
Methylene Chloride
Concen: 0.303 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

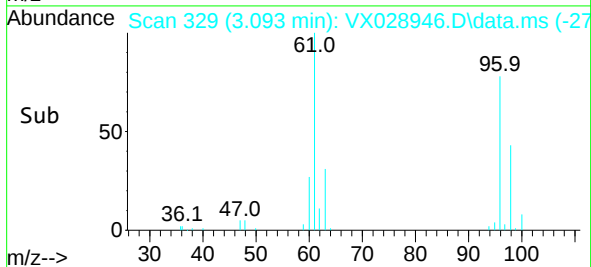
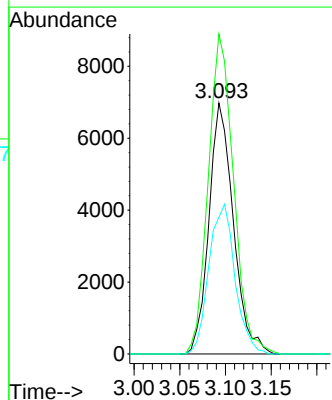
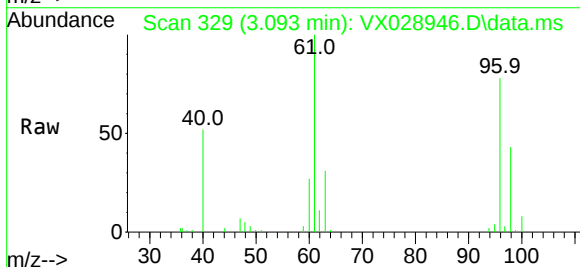
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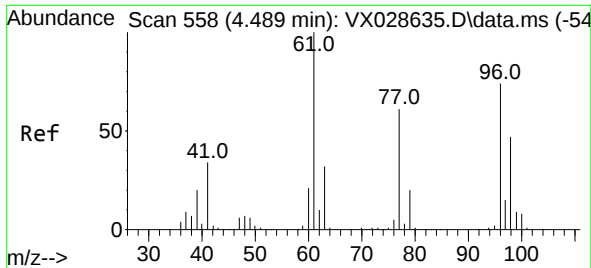
Tgt Ion: 84	Resp: 1248
Ion Ratio	Lower Upper
84 100	
49 93.3	85.5 128.3
51 32.1	26.6 39.8
86 58.1	51.5 77.3



#21
trans-1,2-Dichloroethene
Concen: 3.338 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.007 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 96	Resp: 12991
Ion Ratio	Lower Upper
96 100	
61 127.6	105.4 158.2
98 54.5	50.0 75.0





#27

cis-1,2-Dichloroethene

Concen: 56.170 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX028946.D

Acq: 25 May 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

41S-20220520

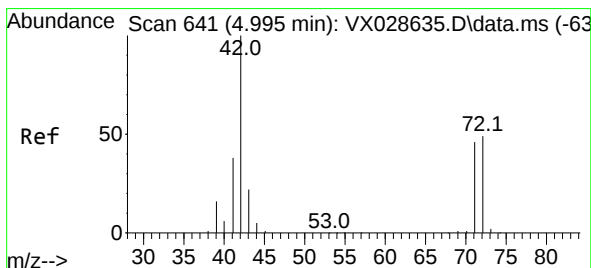
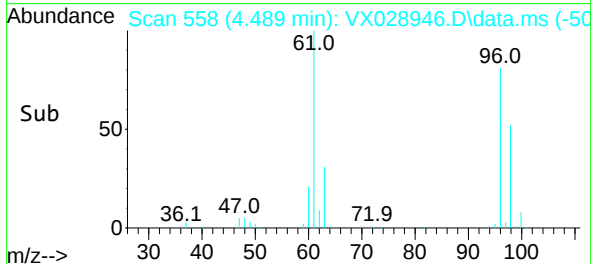
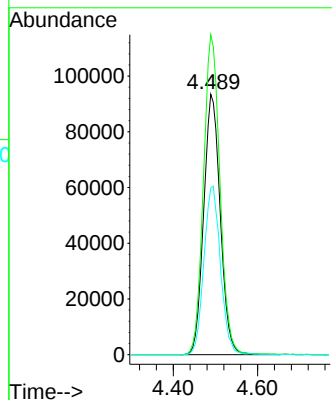
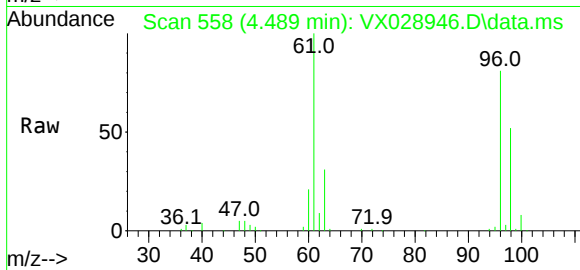
Tgt Ion: 96 Resp: 255355

Ion Ratio Lower Upper

96 100

61 122.5 0.0 283.8

98 64.6 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.233 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.043 min

Lab File: VX028946.D

Acq: 25 May 2022 13:31

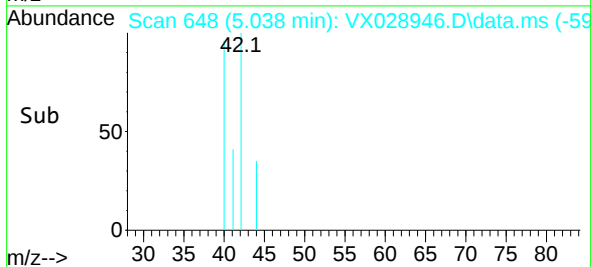
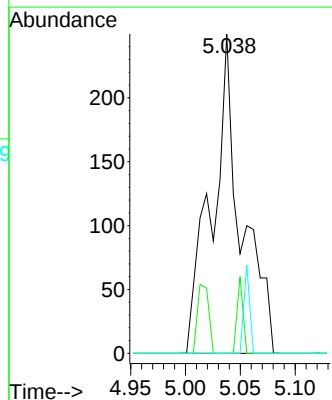
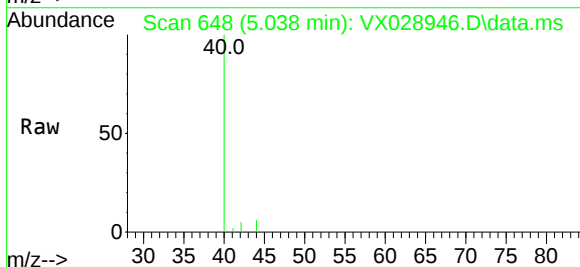
Tgt Ion: 42 Resp: 466

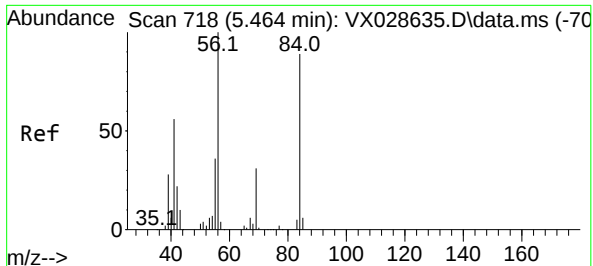
Ion Ratio Lower Upper

42 100

72 4.7 44.1 66.1#

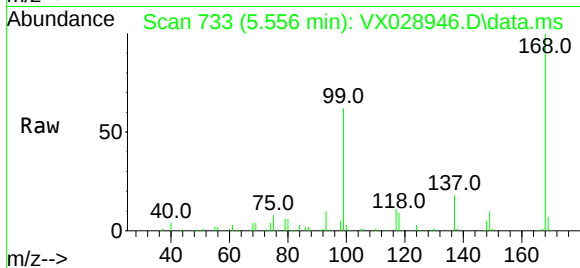
71 5.4 40.5 60.7#



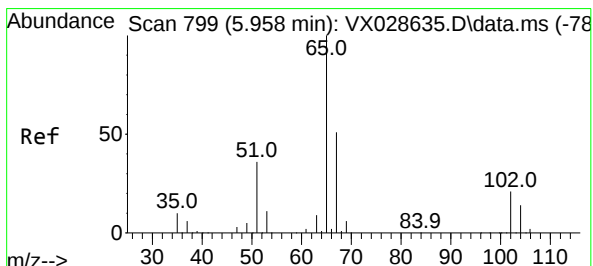
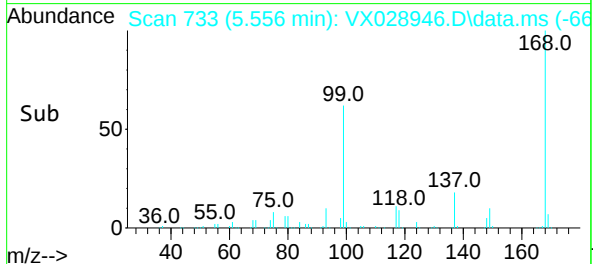
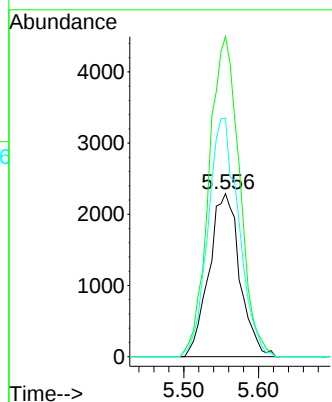


#31
Cyclohexane
Concen: 1.029 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Instrument :
MSVOA_X
ClientSampleId :
41S-20220520

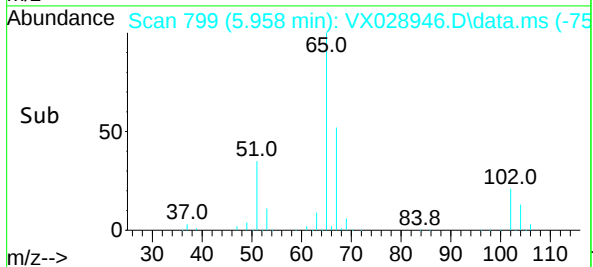
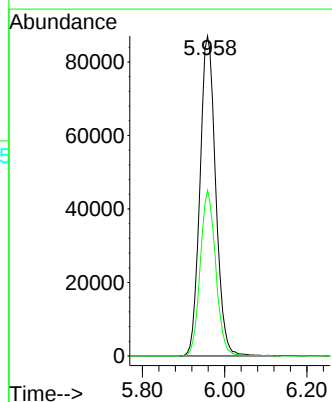
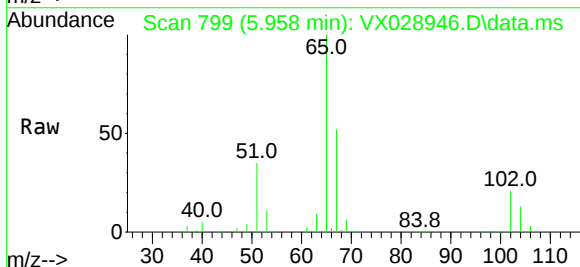


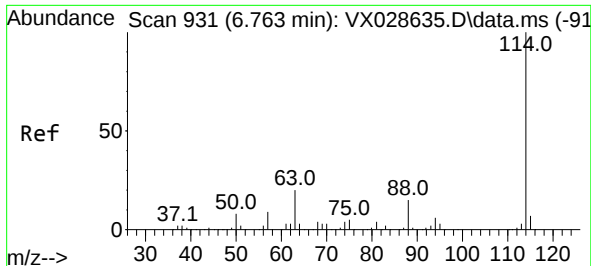
Tgt Ion: 56 Resp: 6536
Ion Ratio Lower Upper
56 100
69 196.3 26.7 40.1#
84 146.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 50.583 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 65 Resp: 231512
Ion Ratio Lower Upper
65 100
67 50.7 0.0 107.4

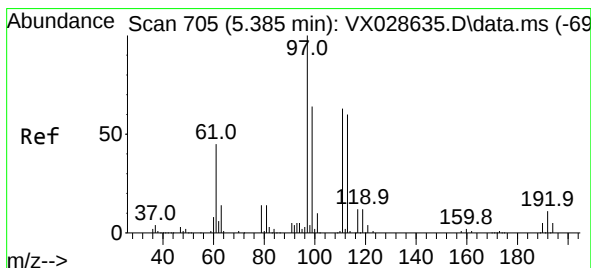
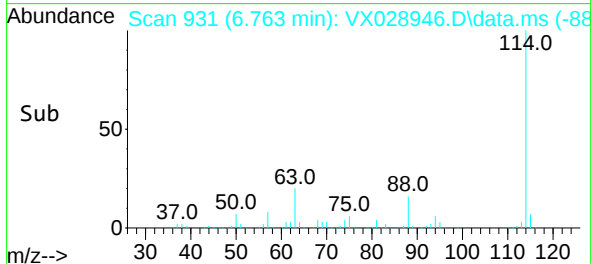
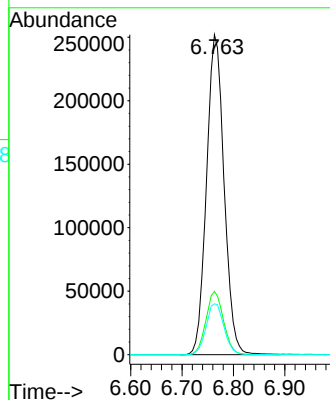
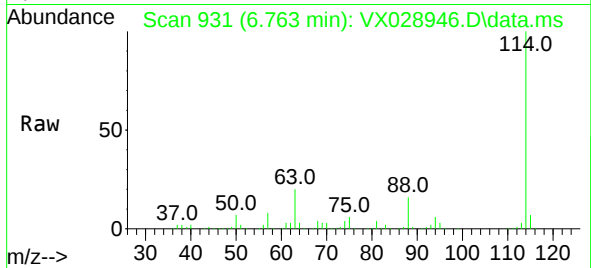




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

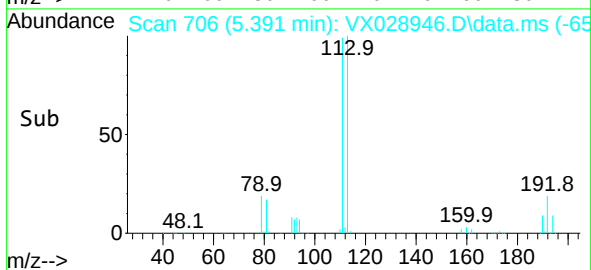
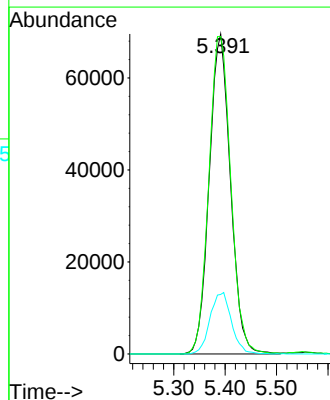
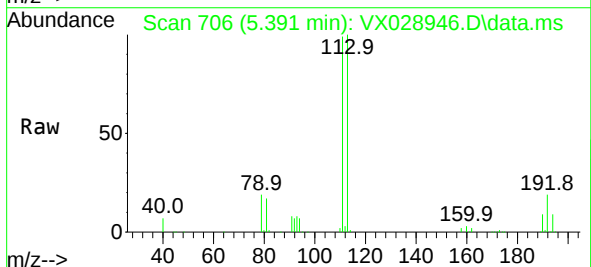
Instrument :
MSVOA_X
ClientSampleId :
41S-20220520

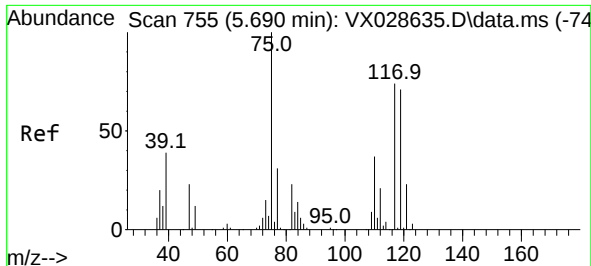
Tgt Ion:114 Resp: 598504
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.708 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion:113 Resp: 198841
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 19.4 16.9 25.3

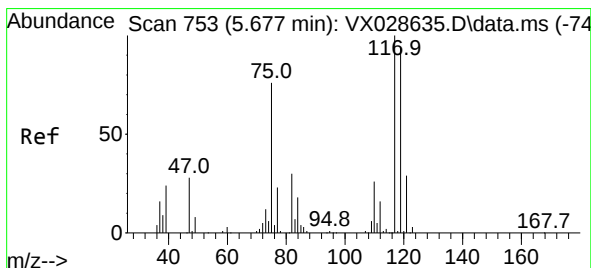
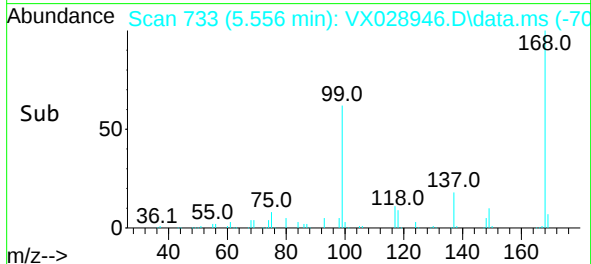
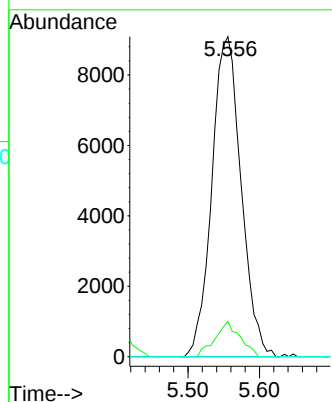
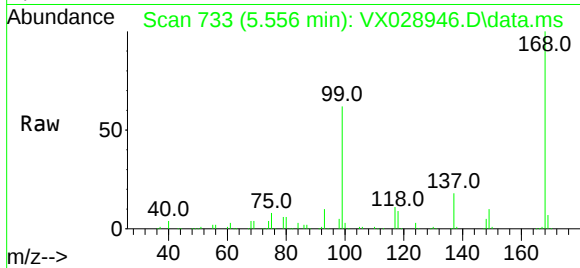




#36
1,1-Dichloropropene
Concen: 4.382 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

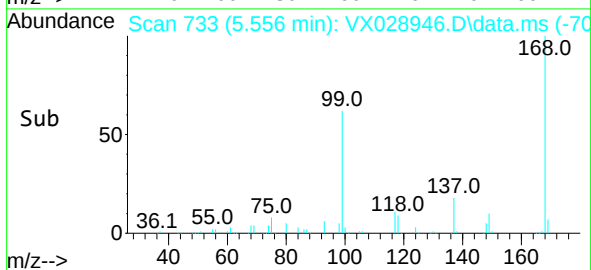
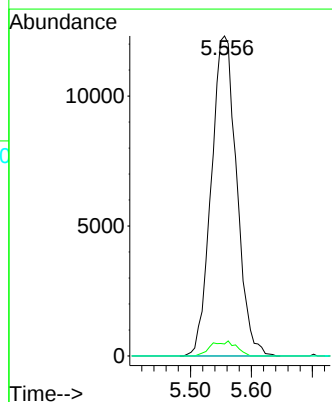
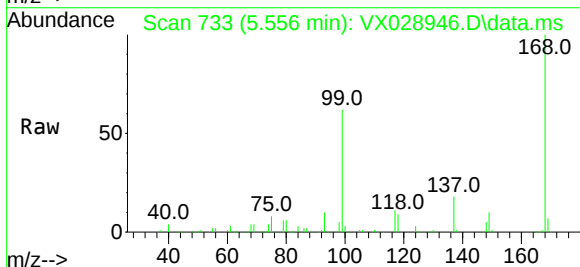
Instrument :
MSVOA_X
ClientSampleId :
41S-20220520

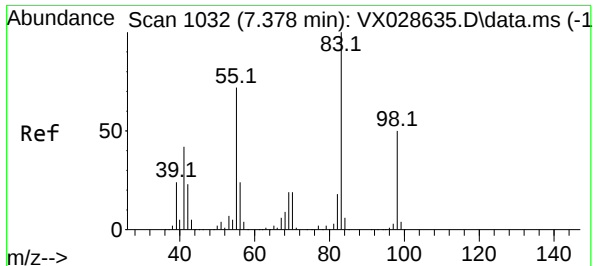
Tgt Ion: 75 Resp: 25810
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.996 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.121 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 117 Resp: 35540
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.492 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.249 min

Lab File: VX028946.D

Acq: 25 May 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

41S-20220520

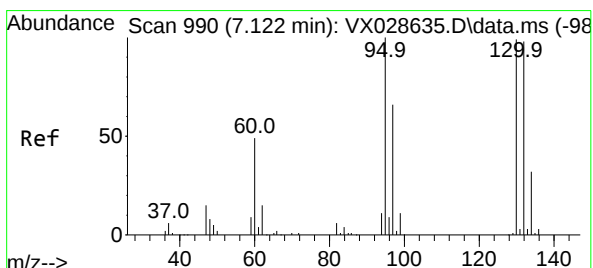
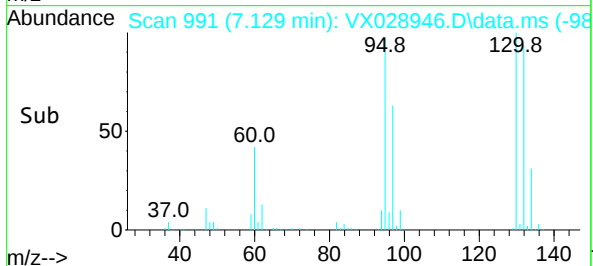
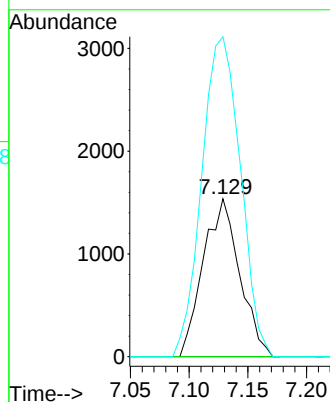
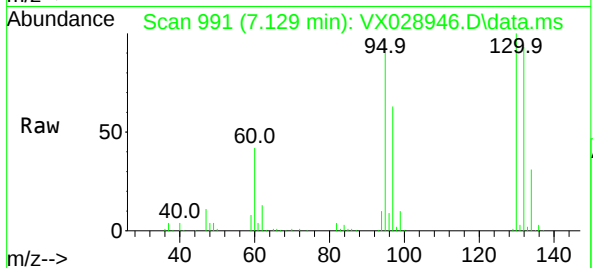
Tgt Ion: 83 Resp: 3321

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 202.6 37.4 56.2#



#44

Trichloroethene

Concen: 62.379 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.007 min

Lab File: VX028946.D

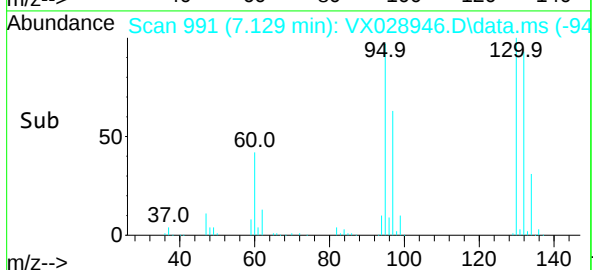
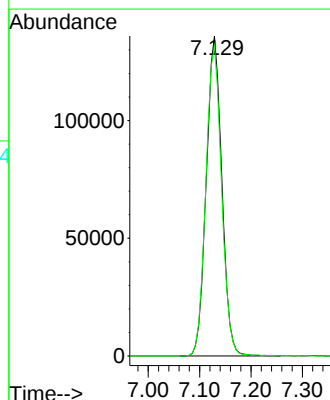
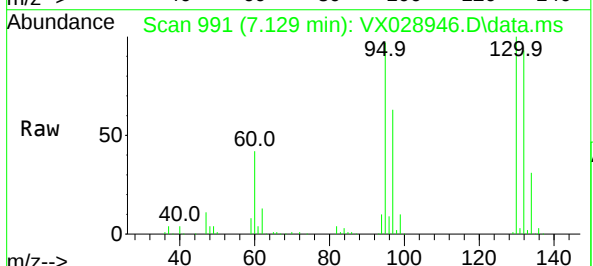
Acq: 25 May 2022 13:31

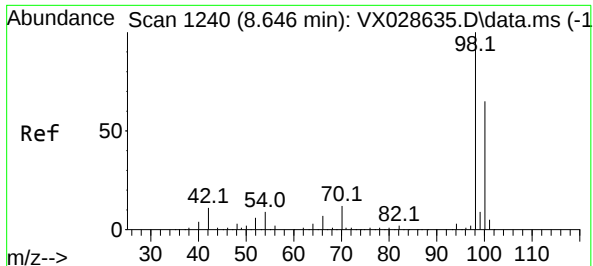
Tgt Ion:130 Resp: 286366

Ion Ratio Lower Upper

130 100

95 96.9 0.0 188.8

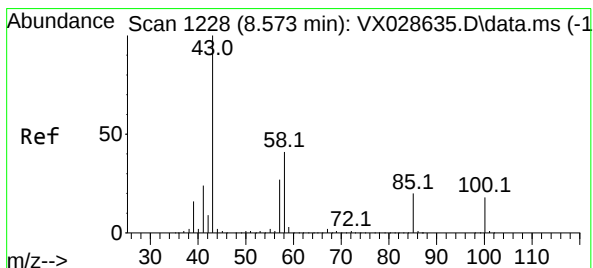
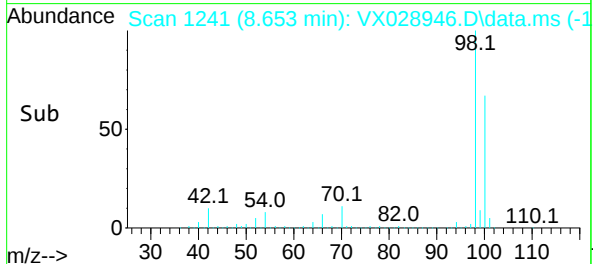
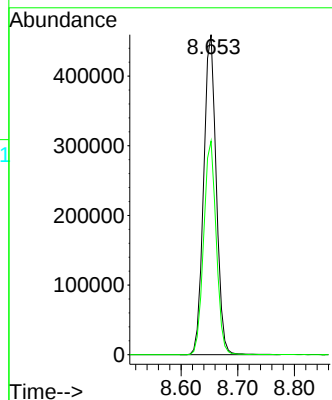
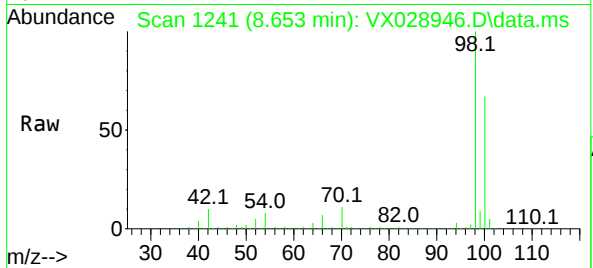




#50
Toluene-d8
Concen: 47.965 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

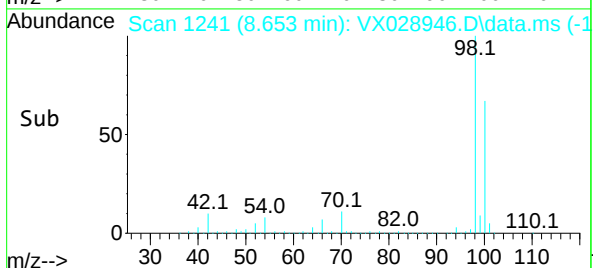
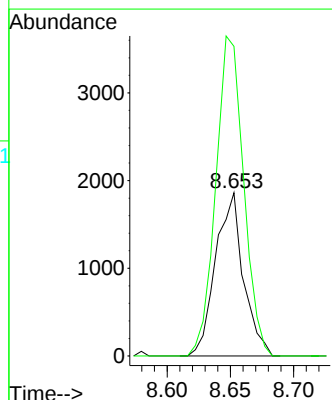
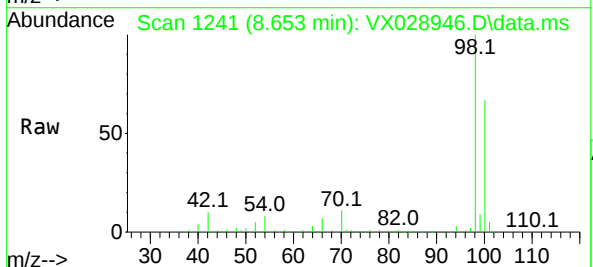
Instrument :
MSVOA_X
ClientSampleId :
41S-20220520

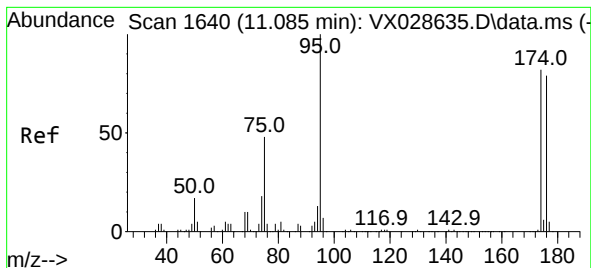
Tgt Ion: 98 Resp: 709116
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.449 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 43 Resp: 2846
Ion Ratio Lower Upper
43 100
58 196.3 36.1 54.1#

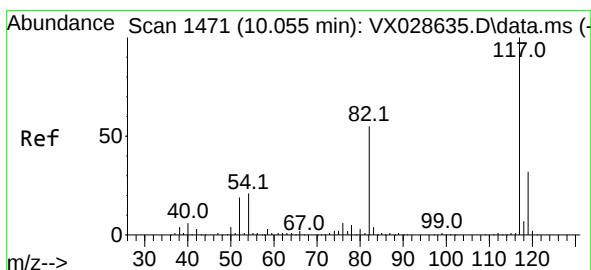
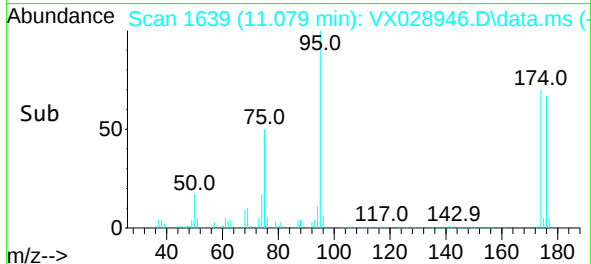
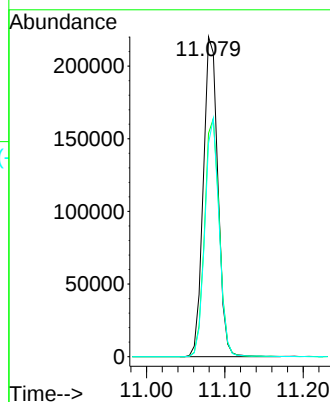
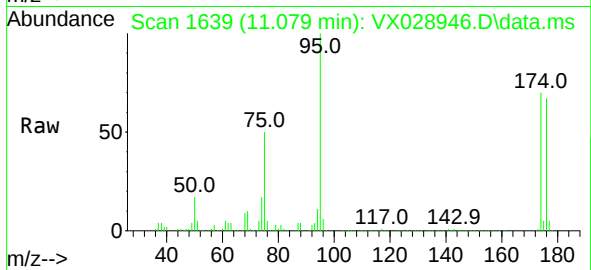




#62
4-Bromofluorobenzene
Concen: 51.493 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

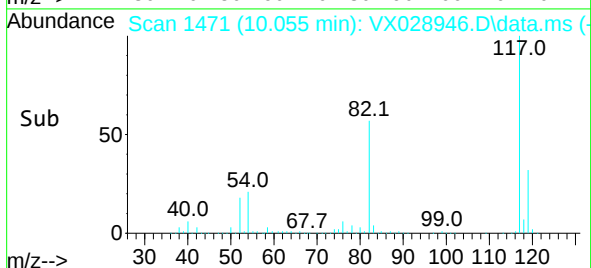
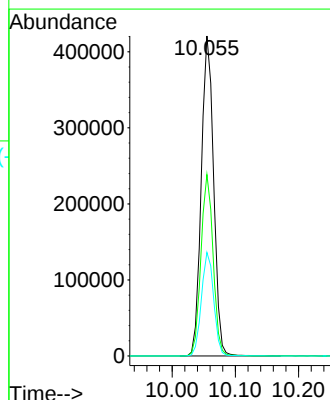
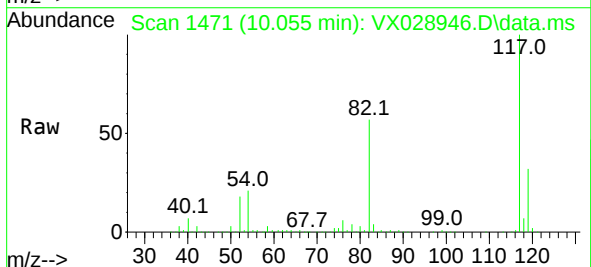
Instrument :
MSVOA_X
ClientSampleId :
41S-20220520

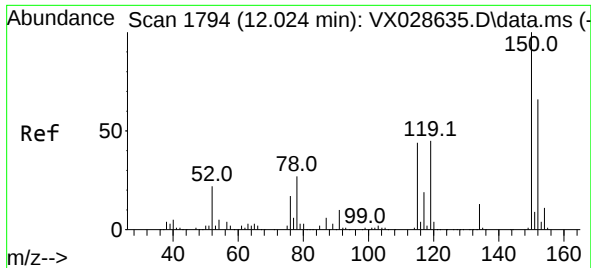
Tgt Ion: 95 Resp: 284342
Ion Ratio Lower Upper
95 100
174 75.3 0.0 163.0
176 73.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 117 Resp: 572680
Ion Ratio Lower Upper
117 100
82 56.7 41.8 62.8
119 32.3 24.8 37.2

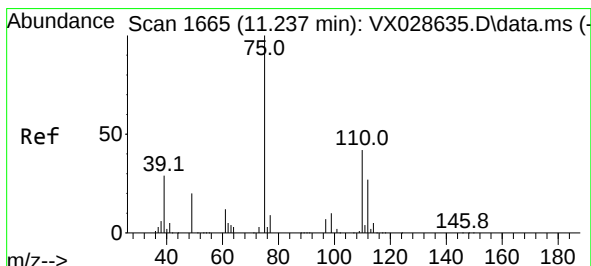
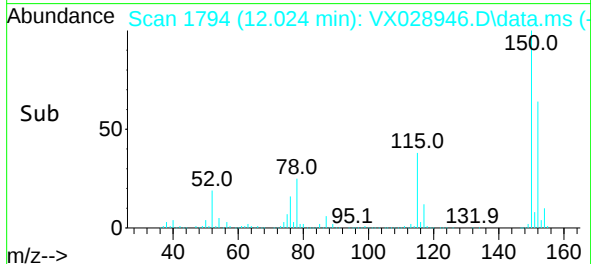
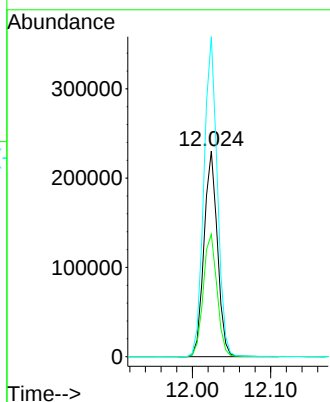
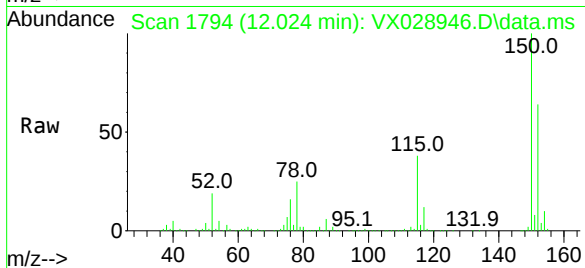




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

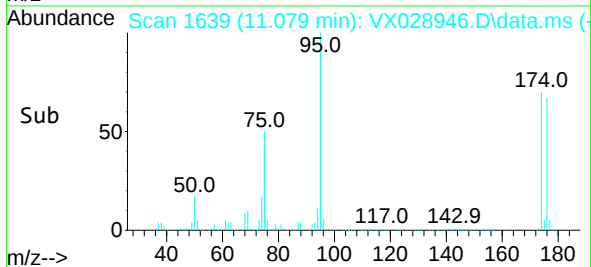
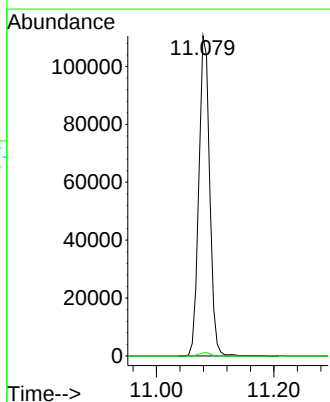
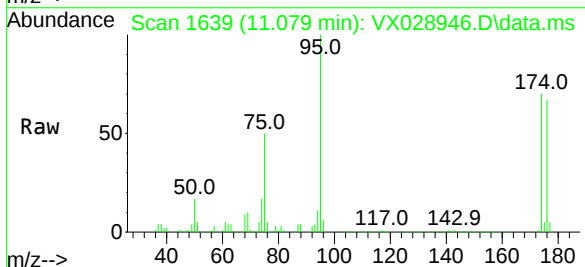
Instrument :
MSVOA_X
ClientSampleId :
41S-20220520

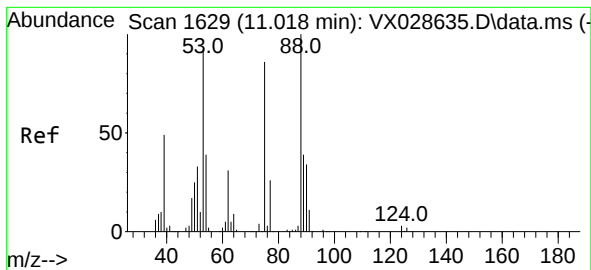
Tgt Ion:152 Resp: 273118
Ion Ratio Lower Upper
152 100
115 61.4 37.5 112.7
150 156.2 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 22.194 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028946.D
Acq: 25 May 2022 13:31

Tgt Ion: 75 Resp: 141954
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.954 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX028946.D
 Acq: 25 May 2022 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 41S-20220520

Tgt Ion: 75 Resp: 141954
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

