

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052622\
 Data File : VX029010.D
 Acq On : 26 May 2022 19:32
 Operator : JC/MD
 Sample : N3053-06 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 52322-H

Quant Time: May 27 07:36:38 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)

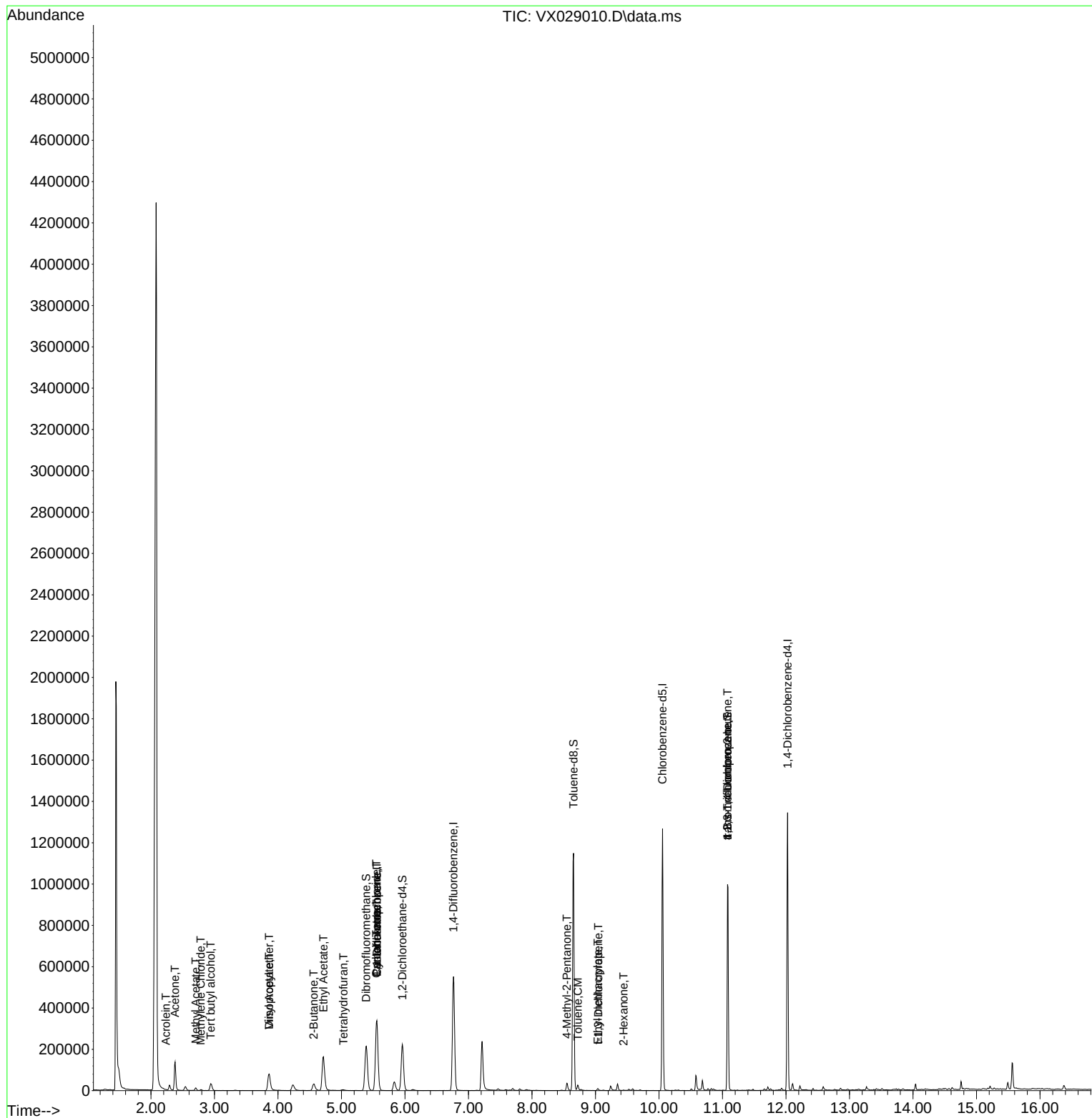
Internal Standards						
1) Pentafluorobenzene	5.556	168	324802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	584880	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	567506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	278525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	218224	49.014	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.020%		
35) Dibromofluoromethane	5.385	113	192056	50.118	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.240%		
50) Toluene-d8	8.653	98	701511	48.556	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.120%		
62) 4-Bromofluorobenzene	11.079	95	281512	52.168	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	104.340%		
Target Compounds					Qvalue	
5) Bromomethane	1.612	94	906	Below Cal		94
6) Chloroethane	1.685	64	365	Below Cal	#	75
11) Tert butyl alcohol	2.941	59	20110	13.743	ug/l #	78
13) Acrolein	2.233	56	248	0.339	ug/l #	80
16) Acetone	2.380	43	142269	74.455	ug/l	94
18) Methyl Acetate	2.703	43	14092	2.945	ug/l	94
20) Methylene Chloride	2.782	84	2049	0.511	ug/l	88
22) Diisopropyl ether	3.861	45	6222	0.540	ug/l #	1
23) Vinyl Acetate	3.861	43	14047	1.414	ug/l #	66
25) 2-Butanone	4.562	43	46330	15.447	ug/l	99
29) Tetrahydrofuran	5.032	42	817	0.419	ug/l #	66
31) Cyclohexane	5.556	56	6185	1.001	ug/l #	18
36) 1,1-Dichloropropene	5.556	75	24791	4.307	ug/l #	49
37) Ethyl Acetate	4.715	43	275302	45.794	ug/l	99
38) Carbon Tetrachloride	5.550	117	34045	5.878	ug/l #	15
51) 4-Methyl-2-Pentanone	8.549	43	15057	2.431	ug/l #	31
52) Toluene	8.720	92	9686	0.910	ug/l	95
53) t-1,3-Dichloropropene	9.043	75	38	1.646	ug/l #	43
56) Ethyl methacrylate	9.037	69	1695	0.258	ug/l #	6
59) 2-Hexanone	9.439	43	1295	0.269	ug/l	73
76) 1,2,3-Trichloropropane	11.079	75	140763	21.580	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	140763	63.266	ug/l #	15

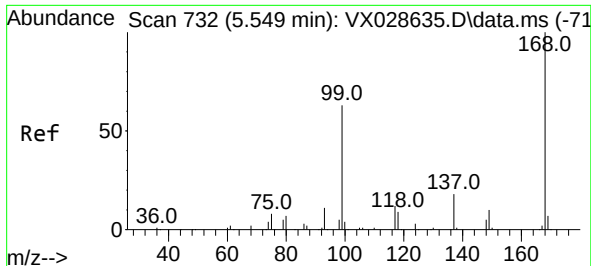
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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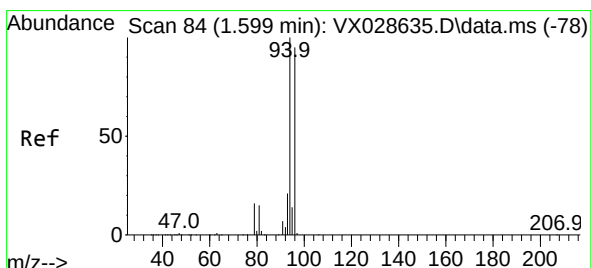
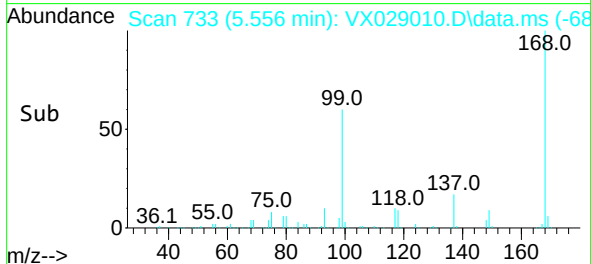
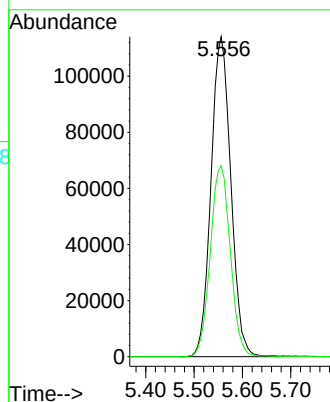
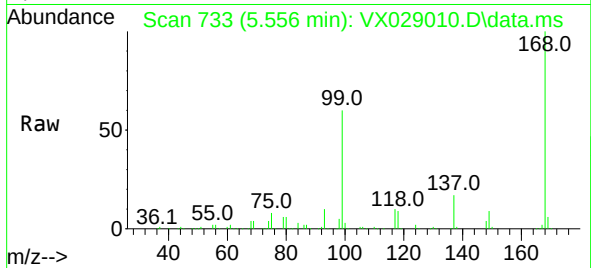




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

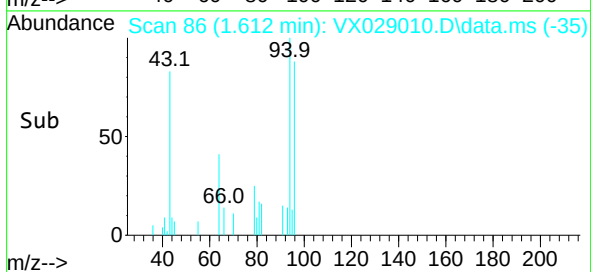
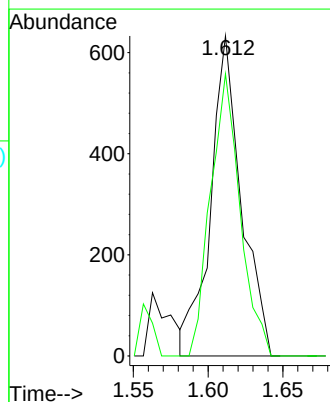
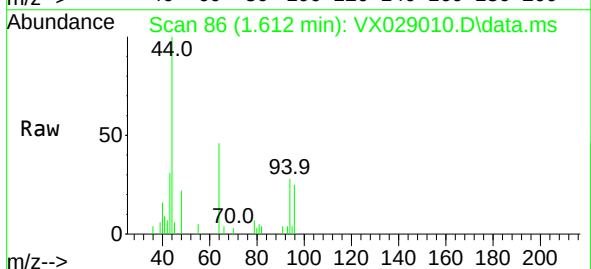
Instrument :
MSVOA_X
ClientSampleId :
52322-H

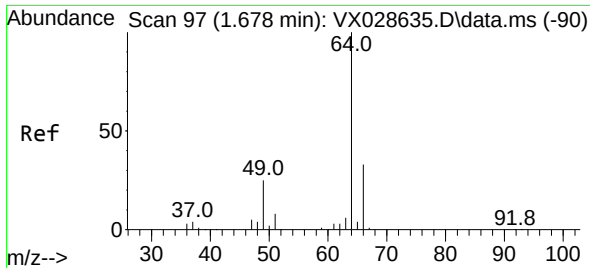
Tgt Ion:168 Resp: 324802
Ion Ratio Lower Upper
168 100
99 59.7 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion: 94 Resp: 906
Ion Ratio Lower Upper
94 100
96 88.2 75.3 112.9

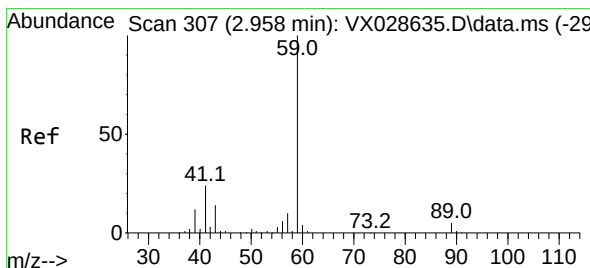
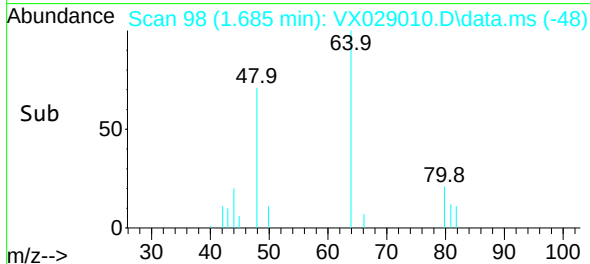
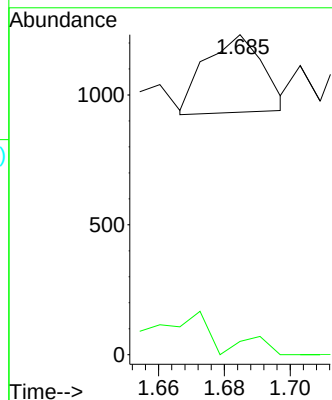
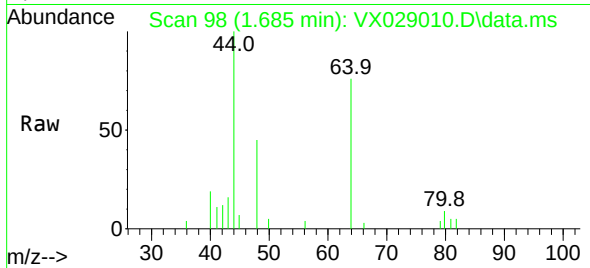




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

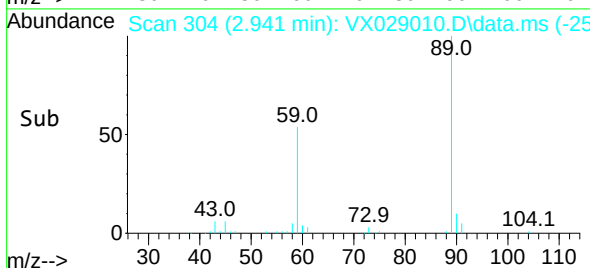
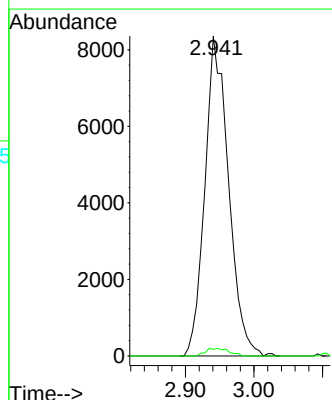
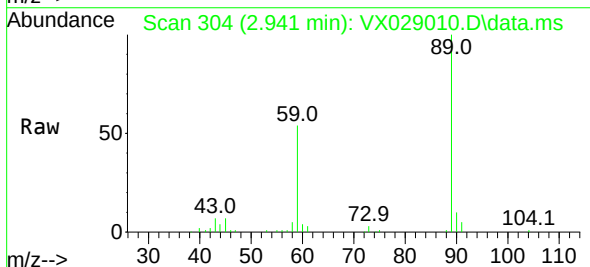
Instrument :
MSVOA_X
ClientSampleId :
52322-H

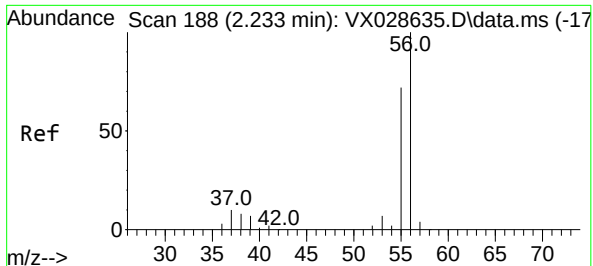
Tgt Ion: 64 Resp: 365
Ion Ratio Lower Upper
64 100
66 17.5 25.3 37.9#



#11
Tert butyl alcohol
Concen: 13.743 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.017 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion: 59 Resp: 20110
Ion Ratio Lower Upper
59 100
57 2.3 8.3 12.5#





#13

Acrolein

Concen: 0.339 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029010.D

Acq: 26 May 2022 19:32

Instrument :

MSVOA_X

ClientSampleId :

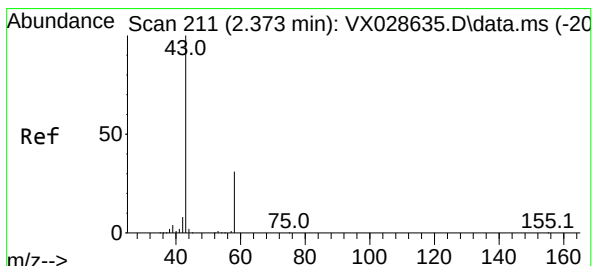
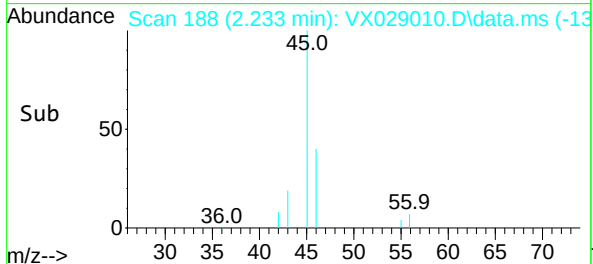
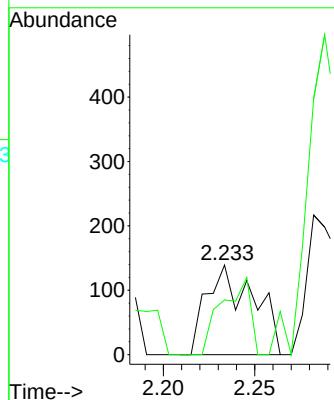
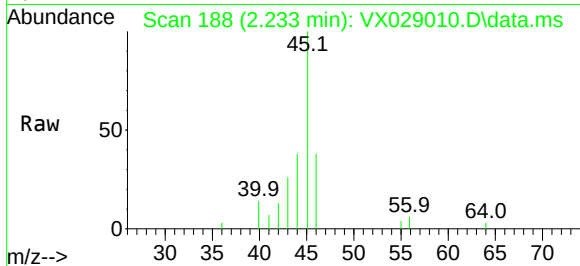
52322-H

Tgt Ion: 56 Resp: 248

Ion Ratio Lower Upper

56 100

55 52.8 55.0 82.6#



#16

Acetone

Concen: 74.455 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX029010.D

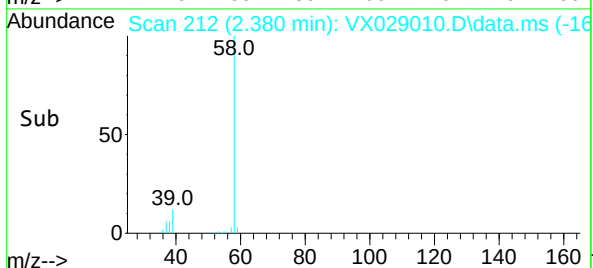
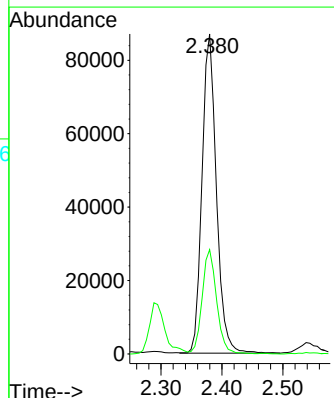
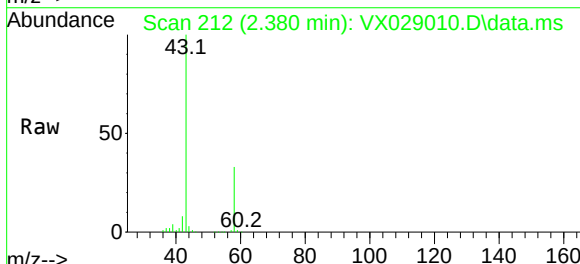
Acq: 26 May 2022 19:32

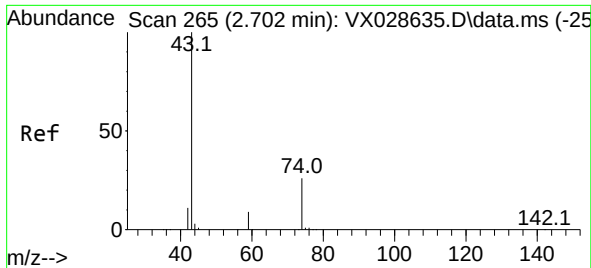
Tgt Ion: 43 Resp: 142269

Ion Ratio Lower Upper

43 100

58 32.7 28.8 43.2

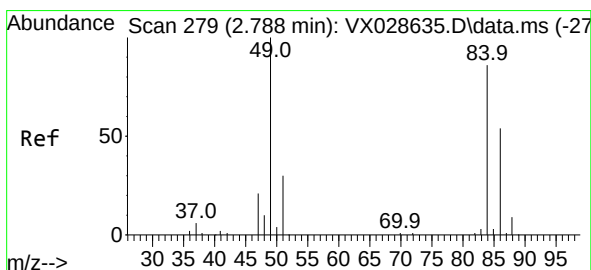
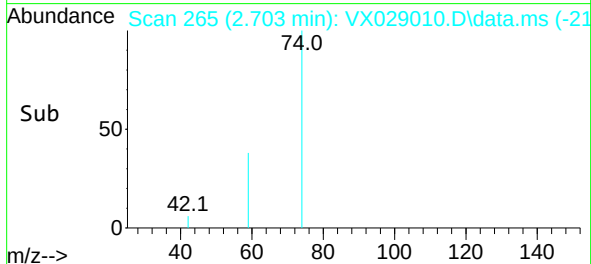
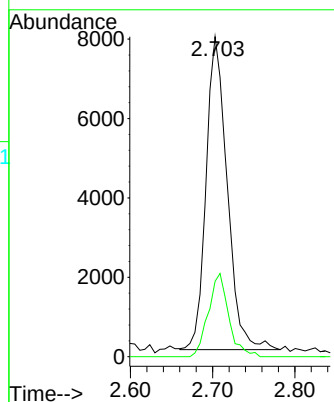
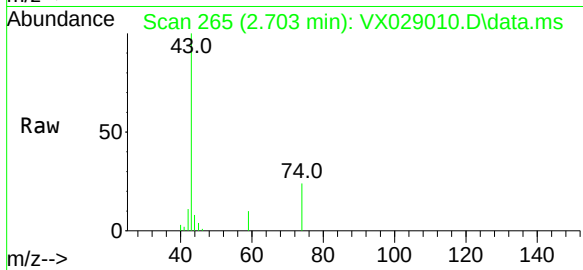




#18
Methyl Acetate
Concen: 2.945 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

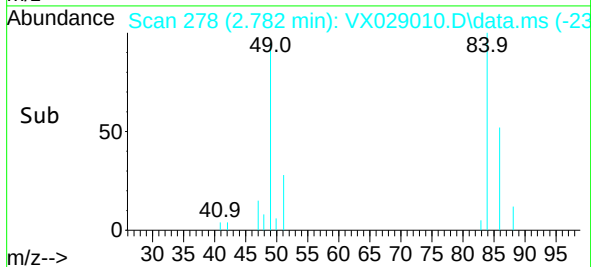
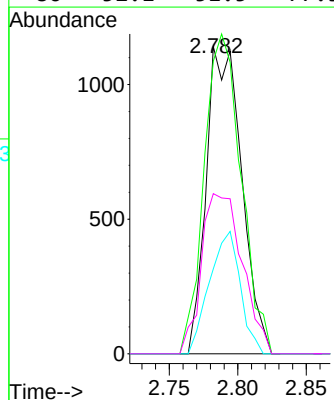
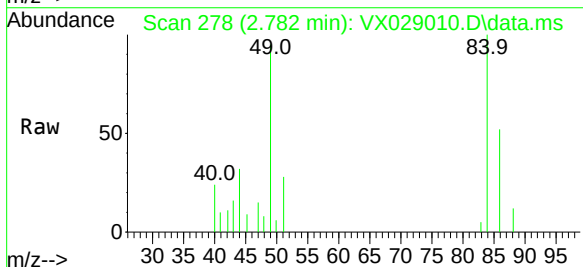
Instrument :
MSVOA_X
ClientSampleId :
52322-H

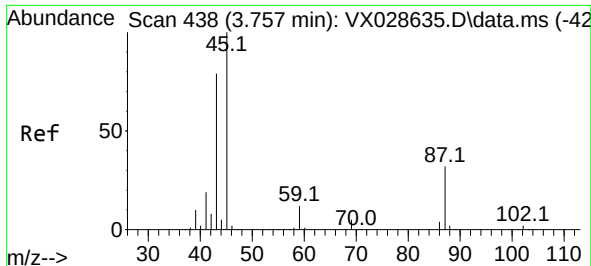
Tgt Ion: 43 Resp: 14092
Ion Ratio Lower Upper
43 100
74 25.6 22.8 34.2



#20
Methylene Chloride
Concen: 0.511 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion: 84 Resp: 2049
Ion Ratio Lower Upper
84 100
49 95.3 85.5 128.3
51 27.7 26.6 39.8
86 52.1 51.5 77.3

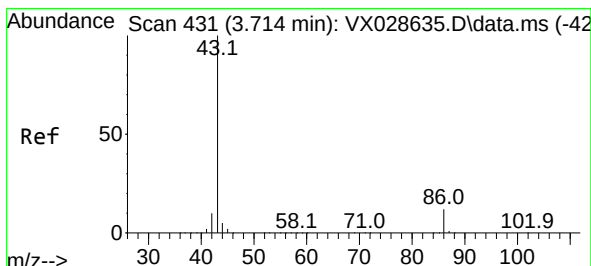
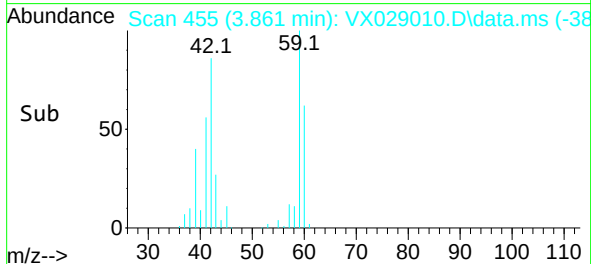
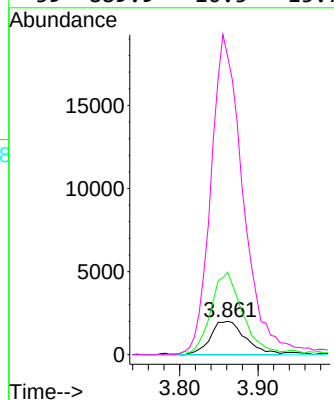
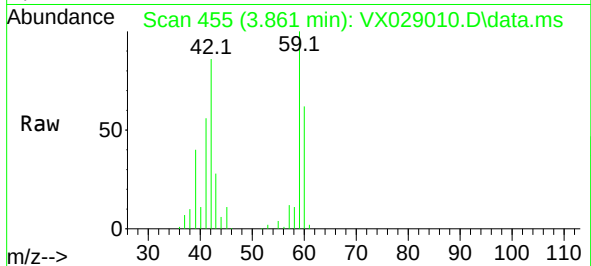




#22
Diisopropyl ether
Concen: 0.540 ug/l
RT: 3.861 min Scan# 411
Delta R.T. 0.104 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

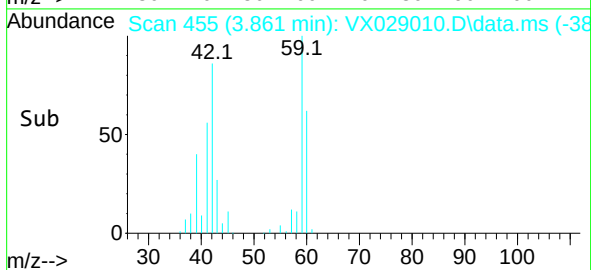
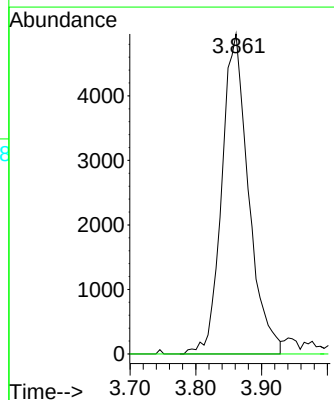
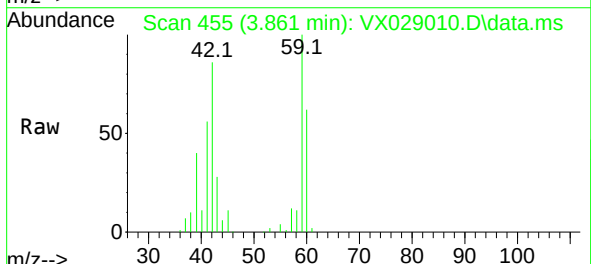
Instrument :
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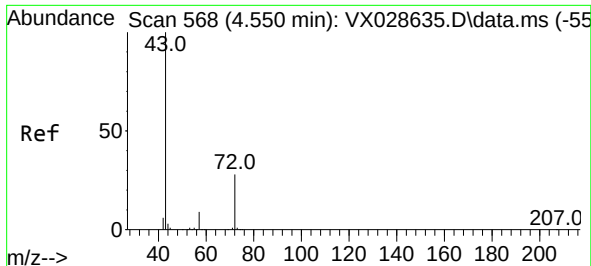
Tgt Ion: 45 Resp: 6222
Ion Ratio Lower Upper
45 100
43 244.5 50.8 76.2#
87 0.0 26.6 39.8#
59 889.9 10.5 15.7#



#23
Vinyl Acetate
Concen: 1.414 ug/l
RT: 3.861 min Scan# 455
Delta R.T. 0.147 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion: 43 Resp: 14047
Ion Ratio Lower Upper
43 100
86 0.0 10.8 16.2#

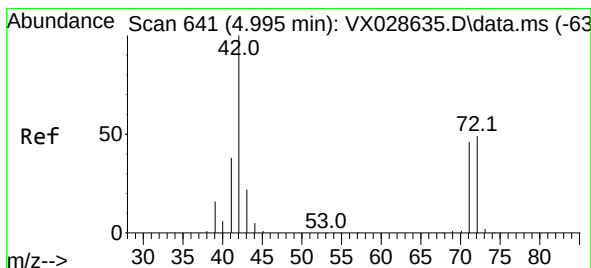
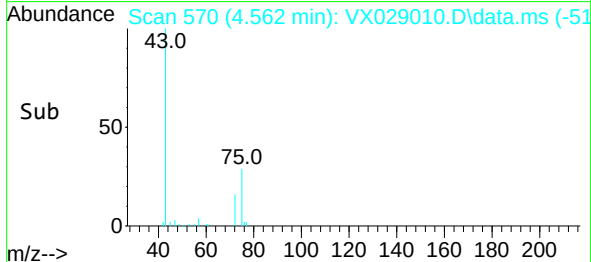
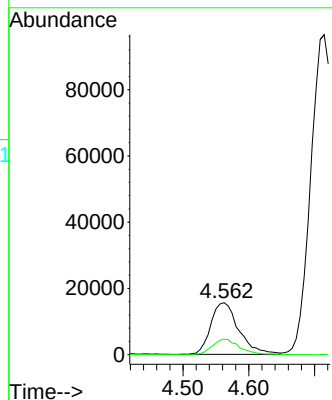
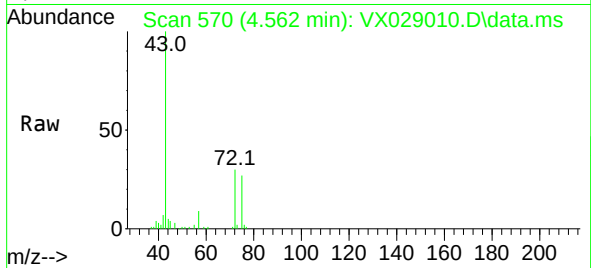




#25
2-Butanone
Concen: 15.447 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

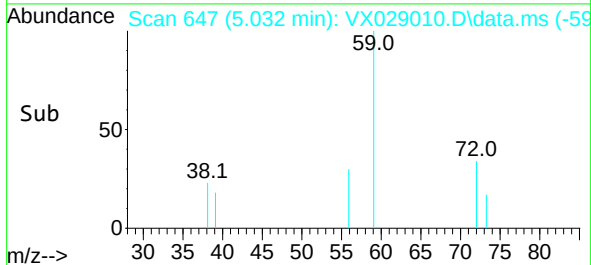
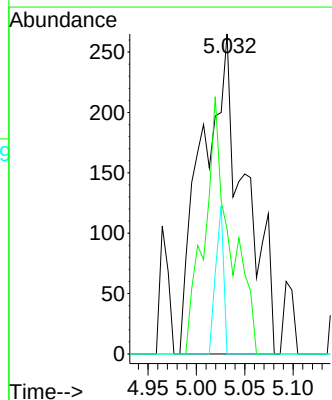
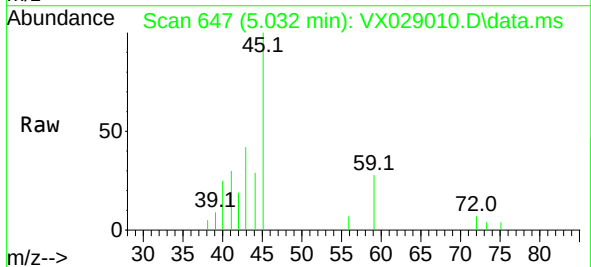
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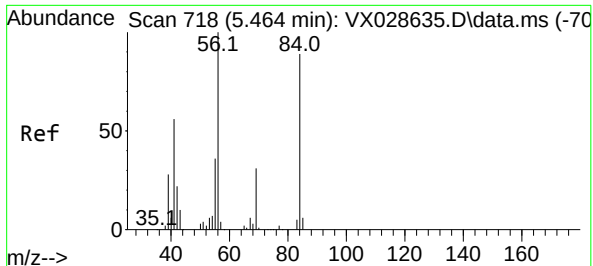
Tgt Ion: 43 Resp: 46330
Ion Ratio Lower Upper
43 100
72 30.0 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.419 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.037 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion: 42 Resp: 817
Ion Ratio Lower Upper
42 100
72 48.1 44.1 66.1
71 8.4 40.5 60.7#

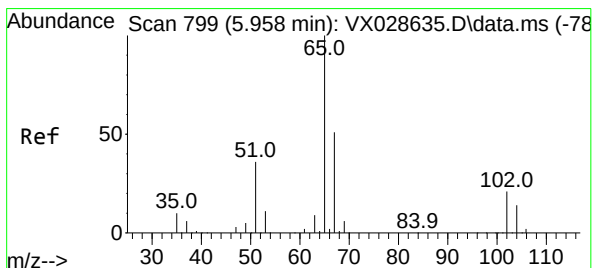
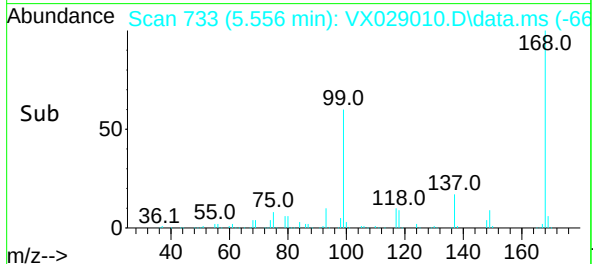
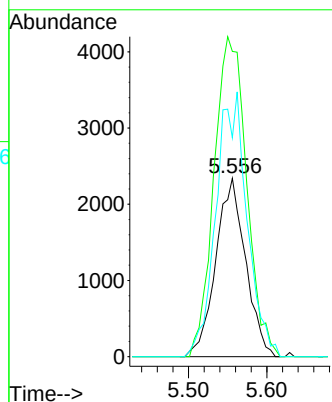
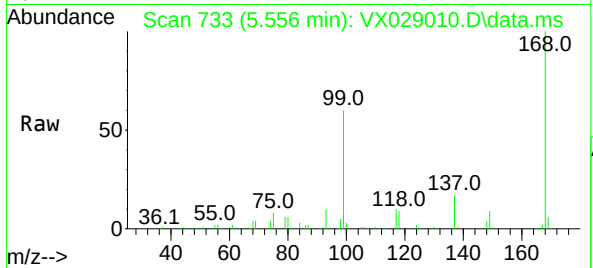




#31
Cyclohexane
Concen: 1.001 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

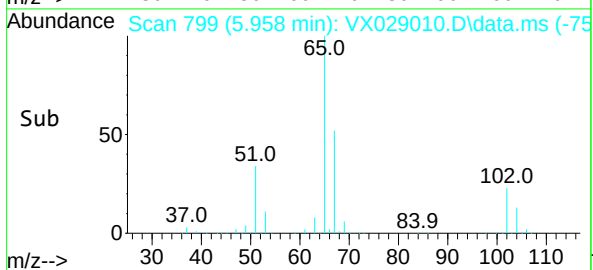
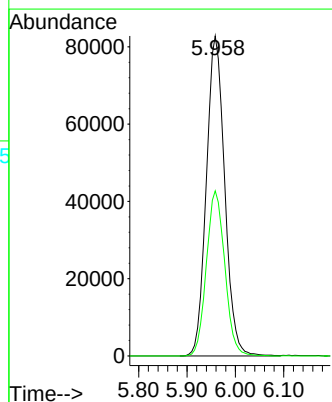
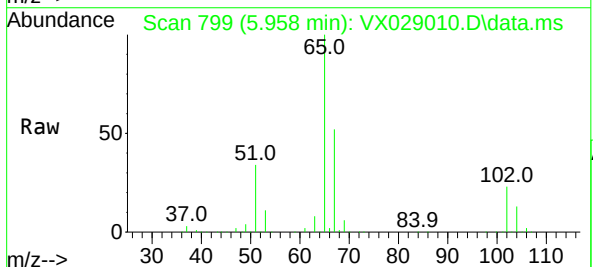
Instrument :
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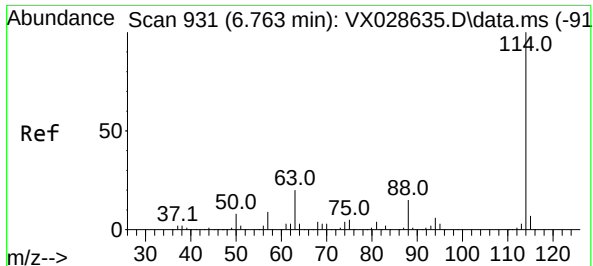
Tgt Ion: 56 Resp: 6185
Ion Ratio Lower Upper
56 100
69 171.2 26.7 40.1#
84 122.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 49.014 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion: 65 Resp: 218224
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

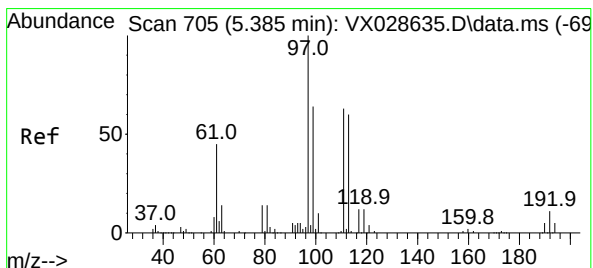
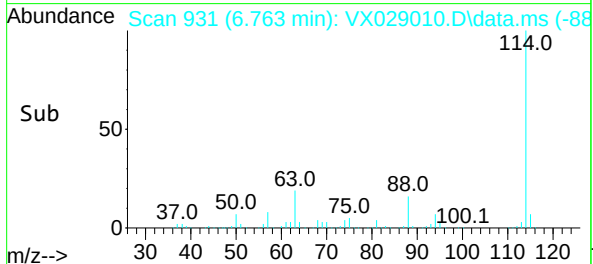
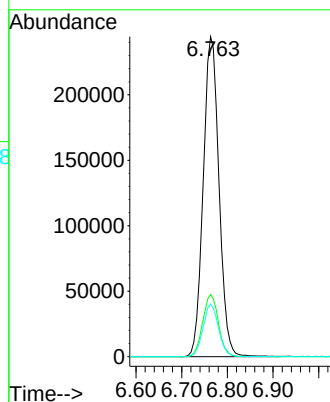
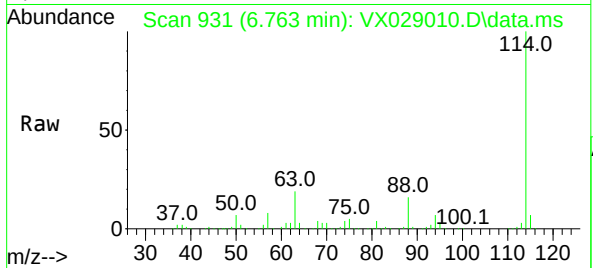




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

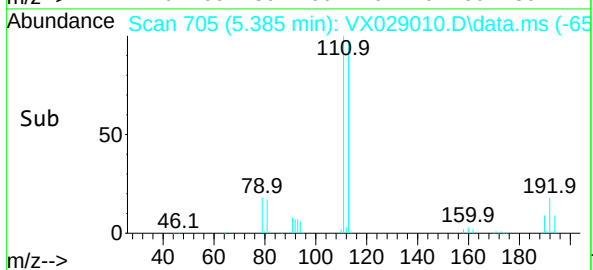
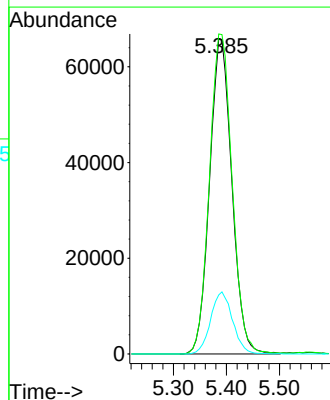
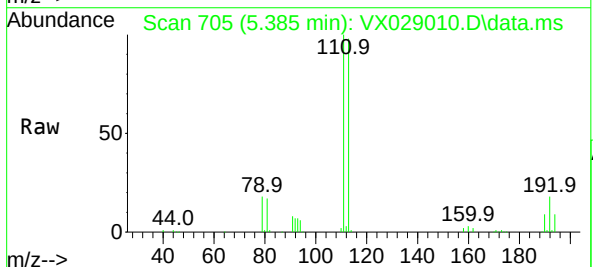
Instrument :
MSVOA_X
ClientSampleId :
52322-H

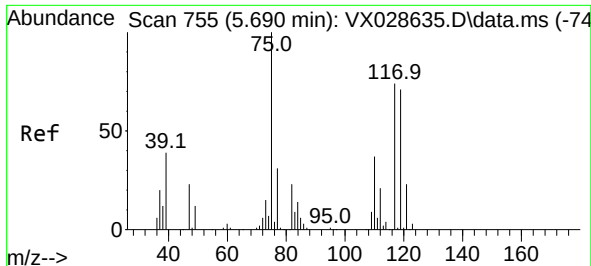
Tgt Ion:114 Resp: 584880
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.8
88 16.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.118 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion:113 Resp: 192056
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 19.4 16.9 25.3

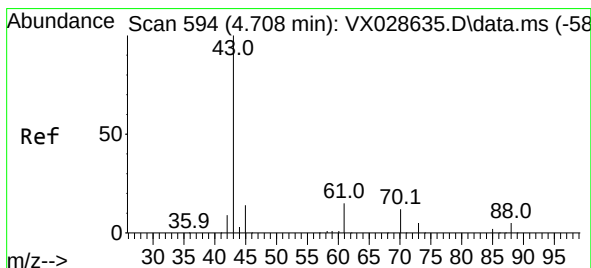
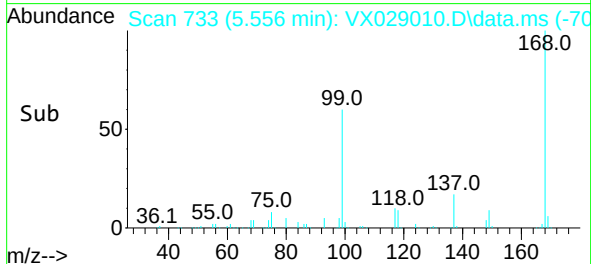
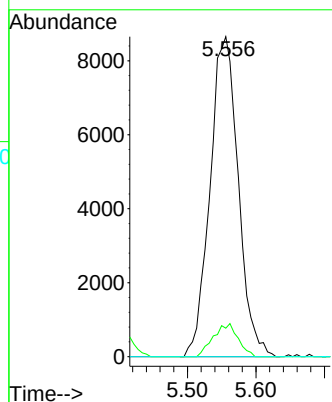
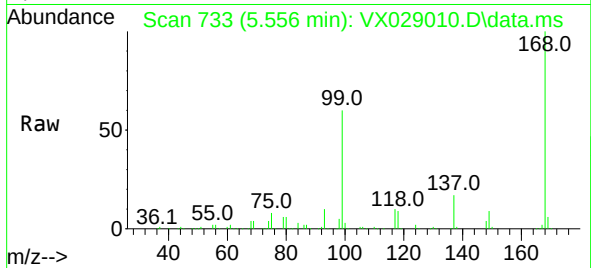




#36
1,1-Dichloropropene
Concen: 4.307 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

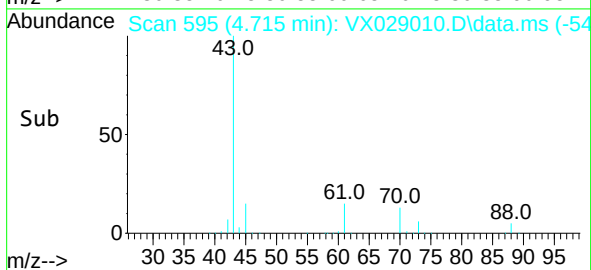
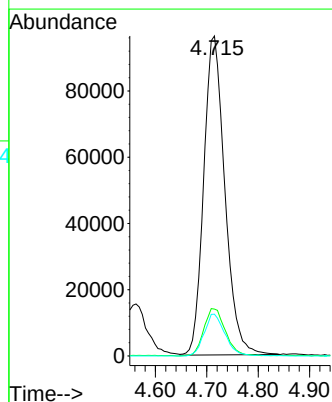
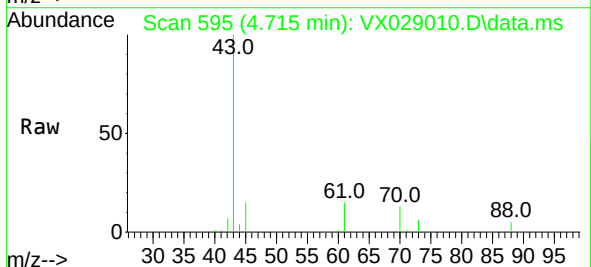
Instrument :
MSVOA_X
ClientSampleId :
52322-H

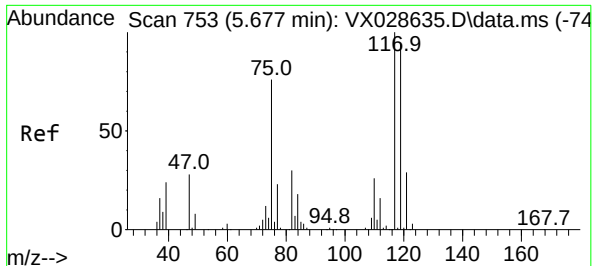
Tgt Ion: 75 Resp: 24791
Ion Ratio Lower Upper
75 100
110 9.0 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 45.794 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.007 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

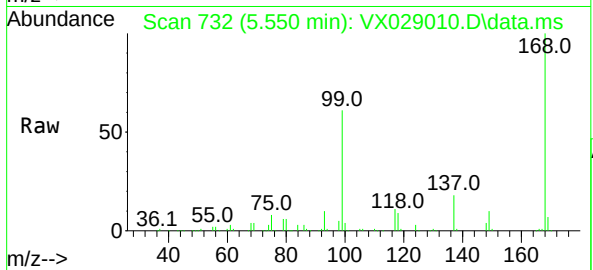
Tgt Ion: 43 Resp: 275302
Ion Ratio Lower Upper
43 100
61 15.3 12.6 19.0
70 12.9 10.2 15.2



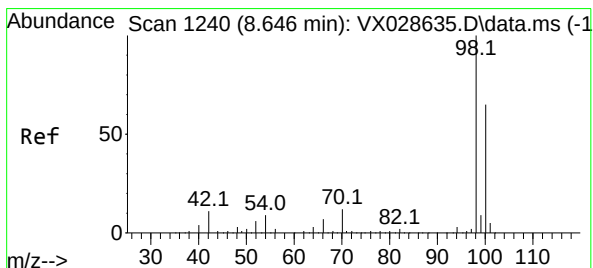
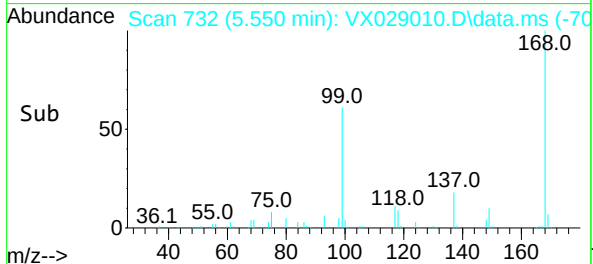
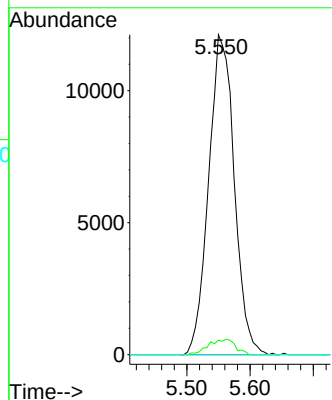


#38
Carbon Tetrachloride
Concen: 5.878 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Instrument :
MSVOA_X
ClientSampleId :
52322-H

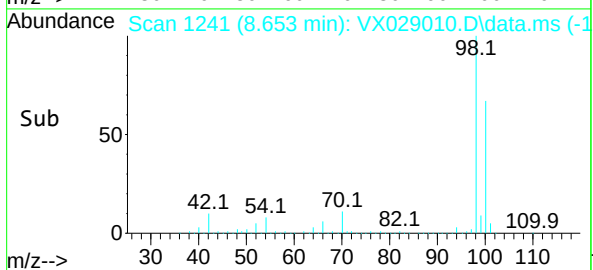
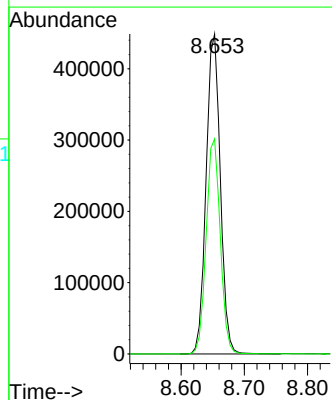
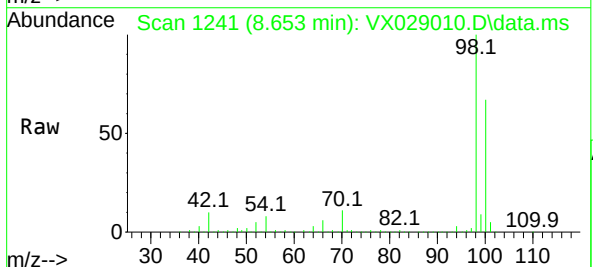


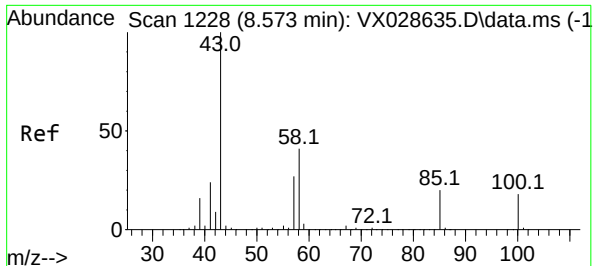
Tgt Ion:117 Resp: 34045
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.556 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion: 98 Resp: 701511
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8

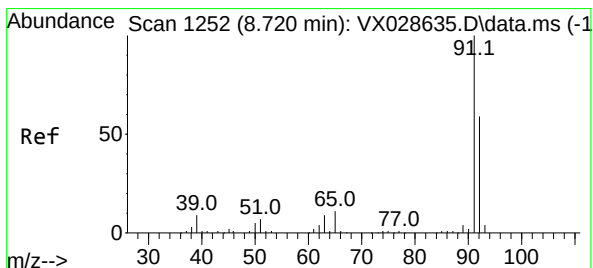
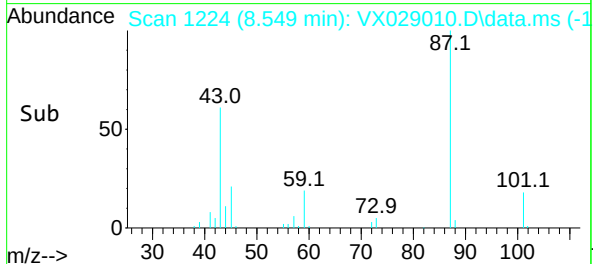
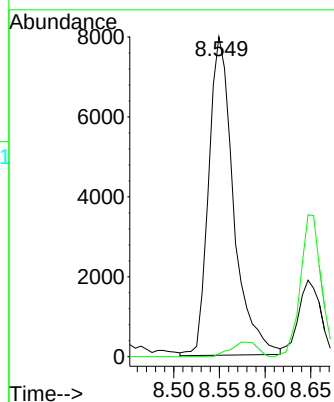
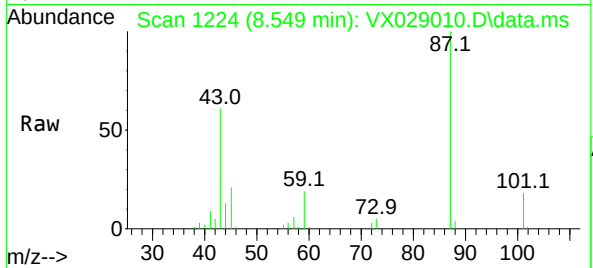




#51
4-Methyl-2-Pentanone
Concen: 2.431 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

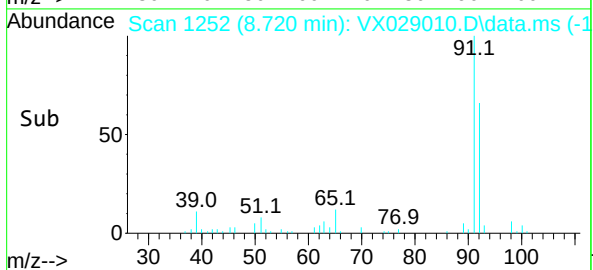
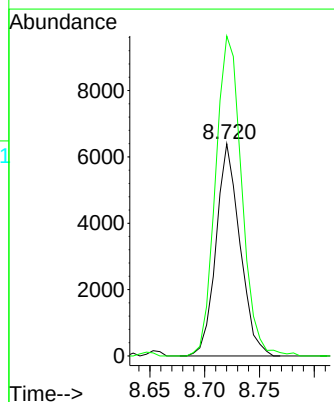
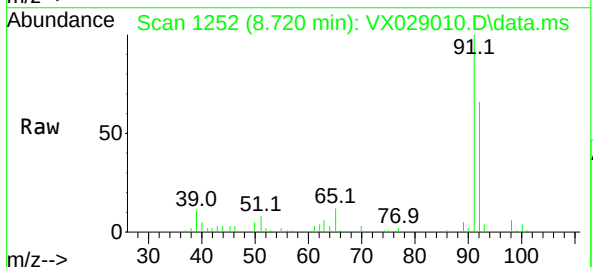
Instrument :
MSVOA_X
ClientSampleId :
52322-H

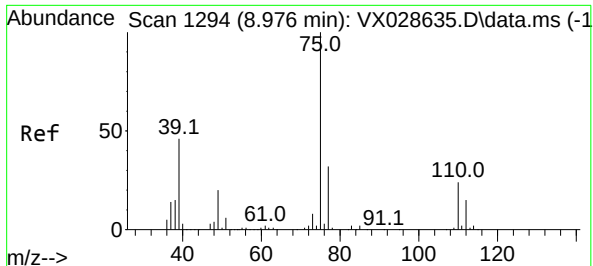
Tgt Ion: 43 Resp: 15057
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#



#52
Toluene
Concen: 0.910 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion: 92 Resp: 9686
Ion Ratio Lower Upper
92 100
91 165.1 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 1.646 ug/l

RT: 9.043 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX029010.D

Acq: 26 May 2022 19:32

Instrument :

MSVOA_X

ClientSampleId :

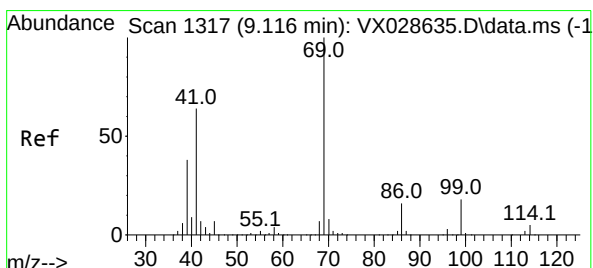
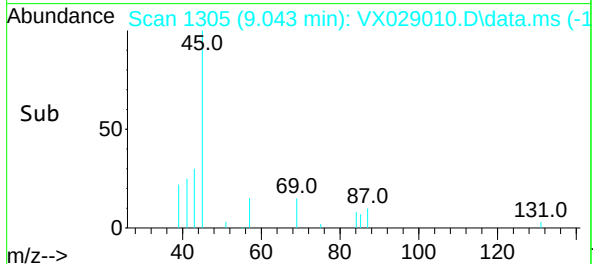
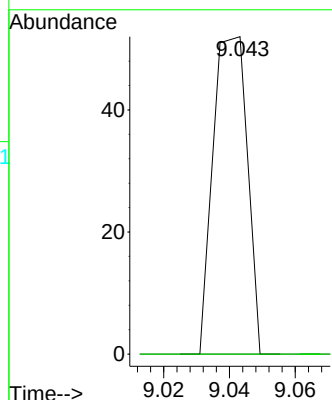
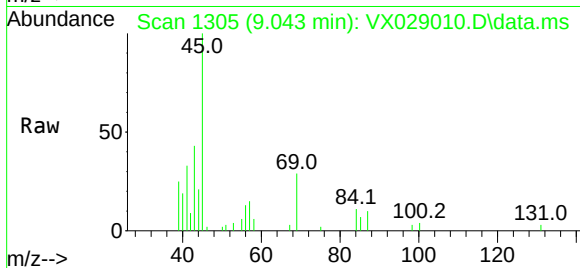
52322-H

Tgt Ion: 75 Resp: 38

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.258 ug/l

RT: 9.037 min Scan# 1304

Delta R.T. -0.079 min

Lab File: VX029010.D

Acq: 26 May 2022 19:32

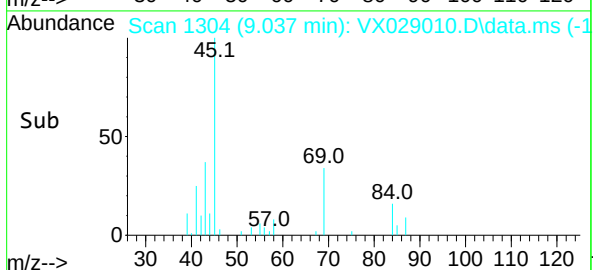
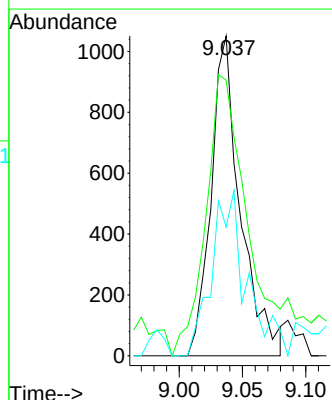
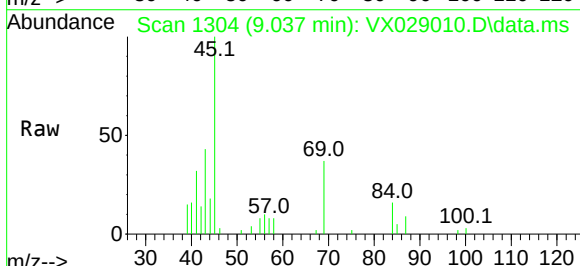
Tgt Ion: 69 Resp: 1695

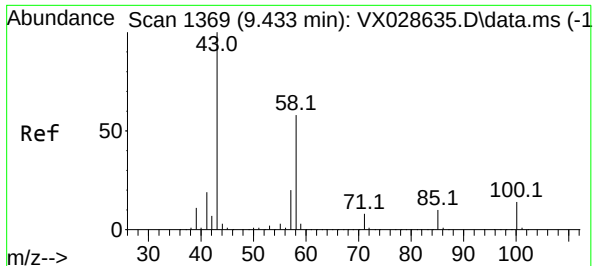
Ion Ratio Lower Upper

69 100

41 133.3 43.8 65.6#

39 60.9 22.2 33.2#





#59

2-Hexanone

Concen: 0.269 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX029010.D

Acq: 26 May 2022 19:32

Instrument :

MSVOA_X

ClientSampleId :

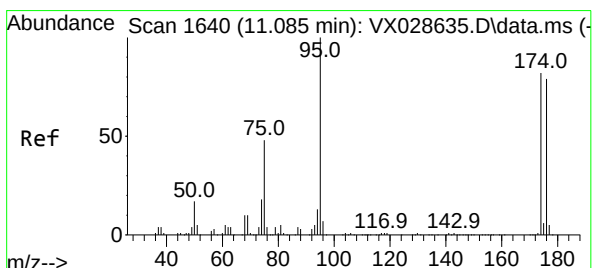
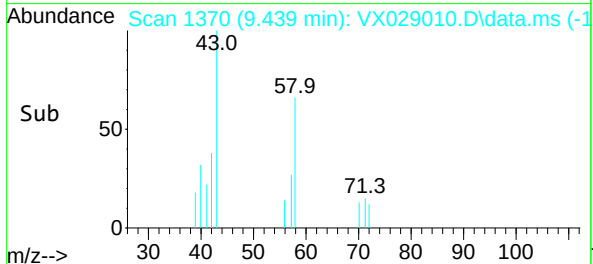
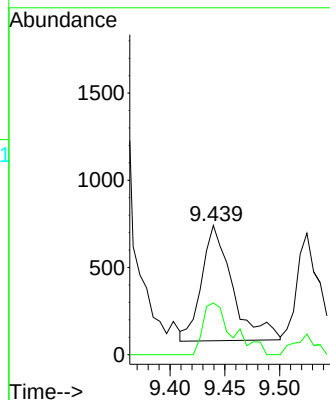
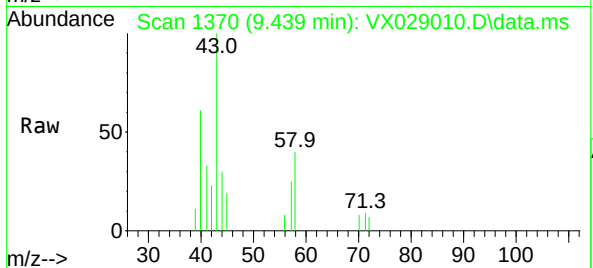
52322-H

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

58 42.7 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 52.168 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX029010.D

Acq: 26 May 2022 19:32

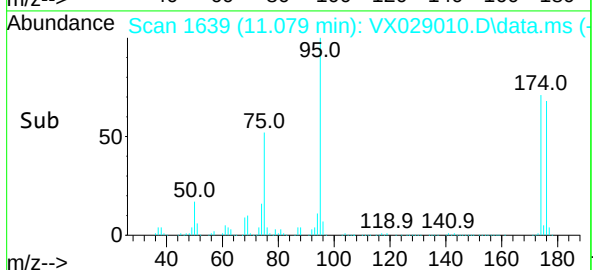
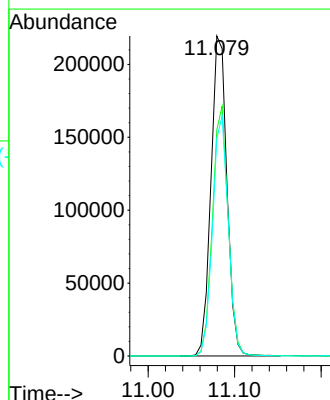
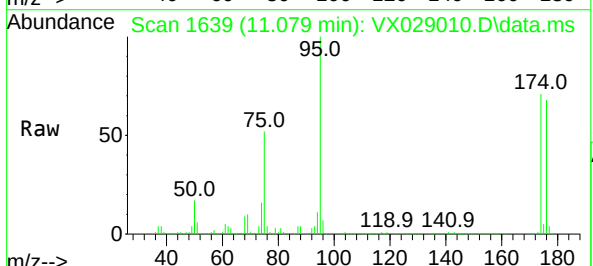
Tgt Ion: 95 Resp: 281512

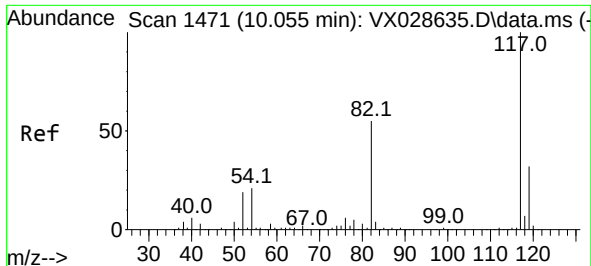
Ion Ratio Lower Upper

95 100

174 76.7 0.0 163.0

176 73.7 0.0 155.0

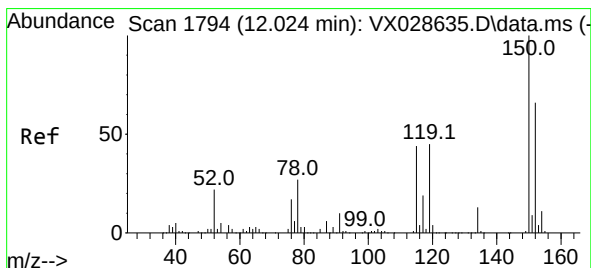
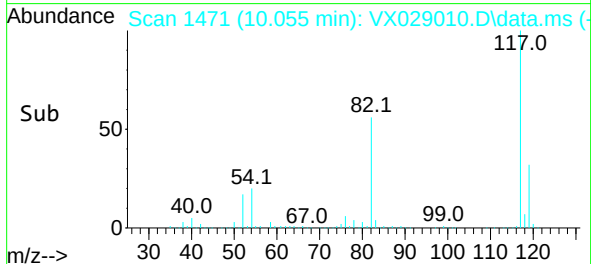
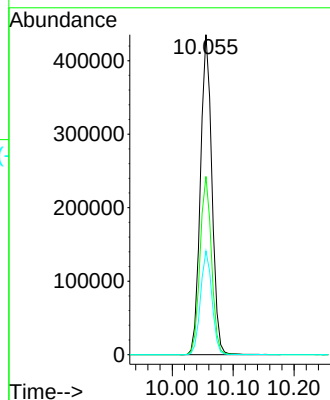
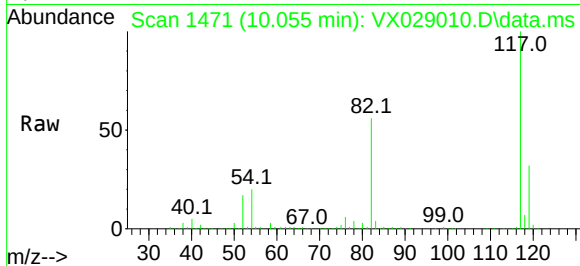




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

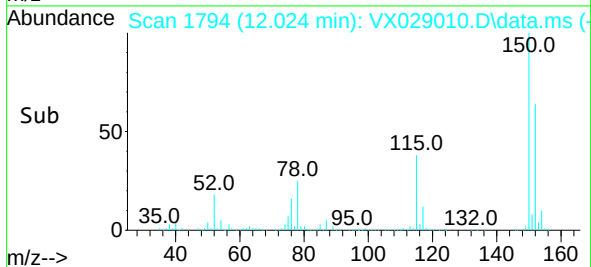
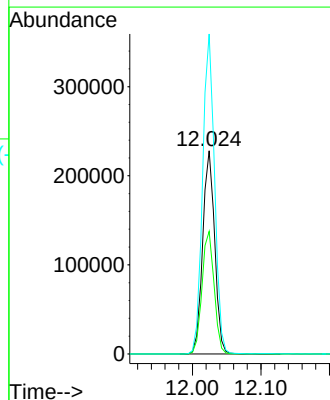
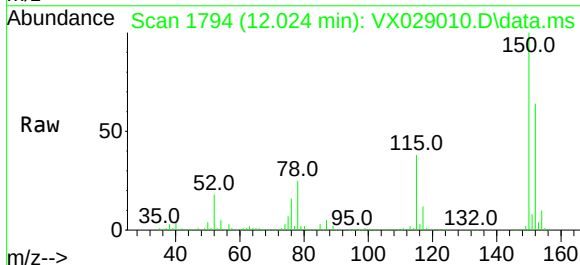
Instrument :
MSVOA_X
ClientSampleId :
52322-H

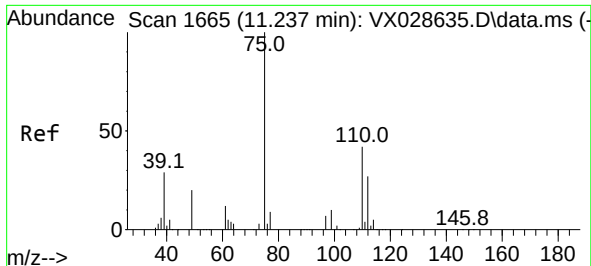
Tgt Ion:117 Resp: 567506
Ion Ratio Lower Upper
117 100
82 55.7 41.8 62.8
119 32.4 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion:152 Resp: 278525
Ion Ratio Lower Upper
152 100
115 60.9 37.5 112.7
150 156.6 0.0 338.2

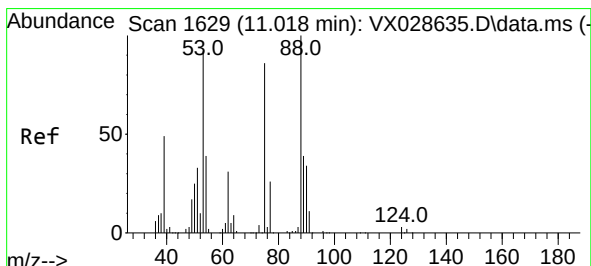
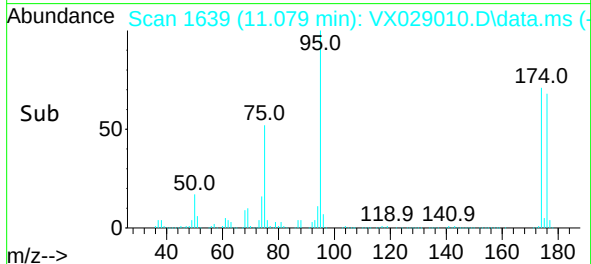
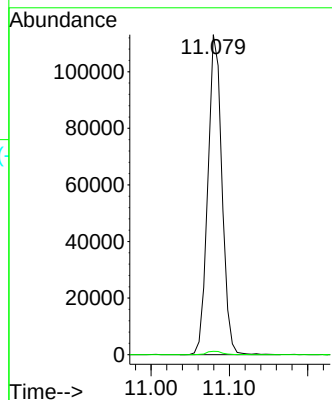
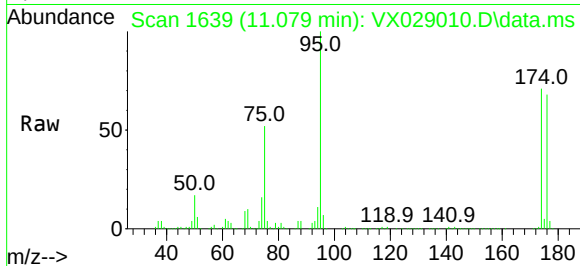




#76
1,2,3-Trichloropropane
Concen: 21.580 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Instrument :
MSVOA_X
ClientSampleId :
52322-H

Tgt Ion: 75 Resp: 140763
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.266 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029010.D
Acq: 26 May 2022 19:32

Tgt Ion: 75 Resp: 140763
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

