

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028382.D
 Acq On : 27 Apr 2022 16:42
 Operator : JC/MD
 Sample : N2572-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-14S

Quant Time: Apr 28 04:24:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

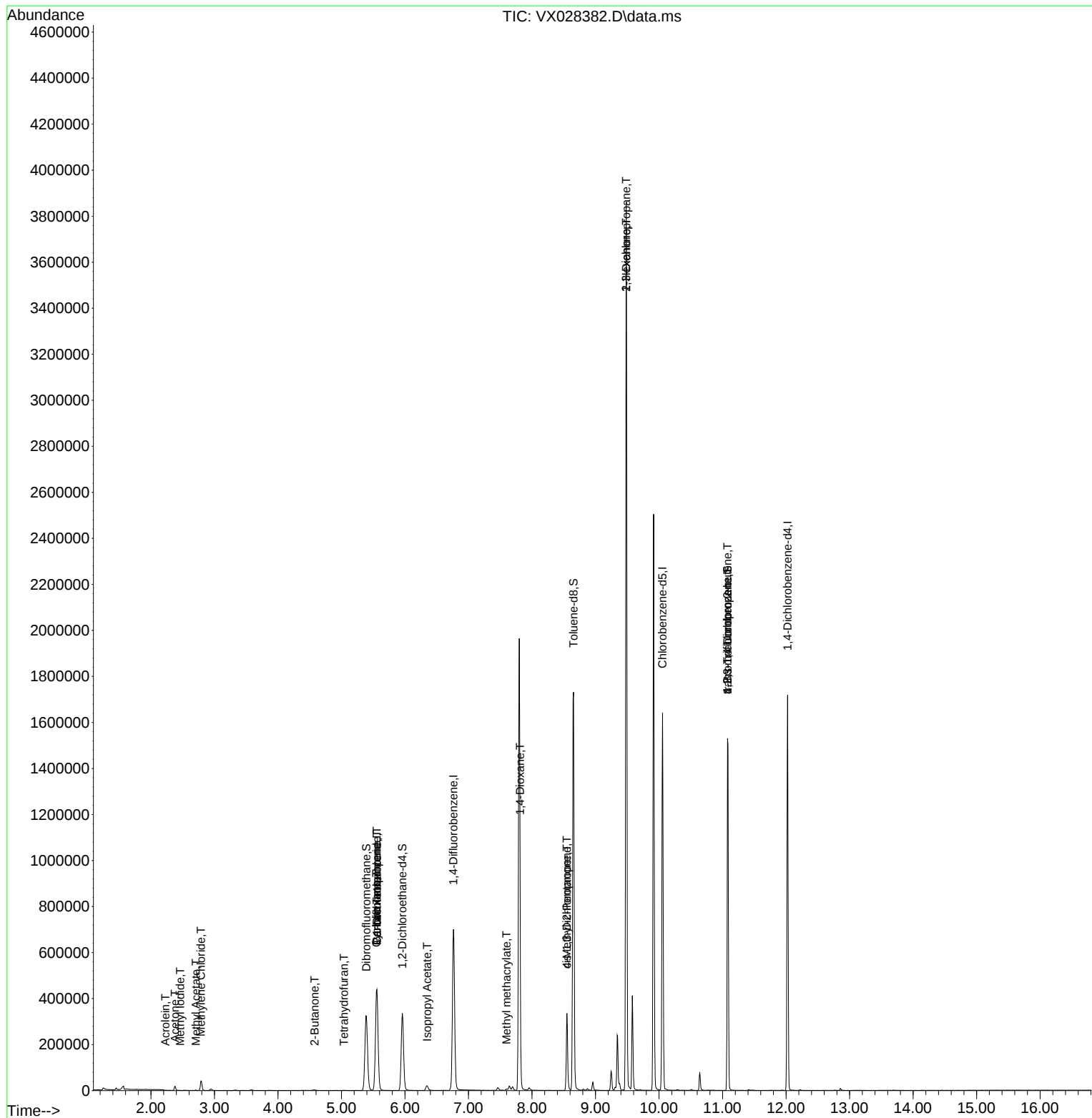
Internal Standards						
1) Pentafluorobenzene	5.556	168	437242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	754490	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	758713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	362262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	317423	55.677	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.360%
35) Dibromofluoromethane	5.391	113	285375	53.934	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.860%
50) Toluene-d8	8.653	98	1080496	53.168	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.340%
62) 4-Bromofluorobenzene	11.079	95	401778	51.706	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.420%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	245	Below Cal	#	42
5) Bromomethane	1.617	94	904	Below Cal	#	66
6) Chloroethane	1.605	64	472	Below Cal	#	43
10) Methyl Iodide	2.459	142	233	5.278	ug/l #	80
11) Tert butyl alcohol	2.946	59	3848	Below Cal	#	76
13) Acrolein	2.227	56	199	0.285	ug/l #	73
16) Acetone	2.379	43	18609	9.343	ug/l	99
18) Methyl Acetate	2.709	43	2545	0.502	ug/l	94
20) Methylene Chloride	2.788	84	19872	4.698	ug/l	97
25) 2-Butanone	4.574	43	3950	1.170	ug/l	97
29) Tetrahydrofuran	5.038	42	762	0.346	ug/l #	71
31) Cyclohexane	5.550	56	8600	1.238	ug/l #	4
36) 1,1-Dichloropropene	5.556	75	31991	4.635	ug/l #	50
38) Carbon Tetrachloride	5.556	117	43668	5.605	ug/l #	16
43) Isopropyl Acetate	6.348	43	29058	2.549	ug/l	97
48) Methyl methacrylate	7.598	41	7973	1.524	ug/l #	7
49) 1,4-Dioxane	7.811	88	377	2.693	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	105724	14.455	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	56146	6.598	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	35746	3.883	ug/l #	43
59) 2-Hexanone	9.482	43	406044	71.668	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	199021	27.915	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	199021	82.956	ug/l #	15

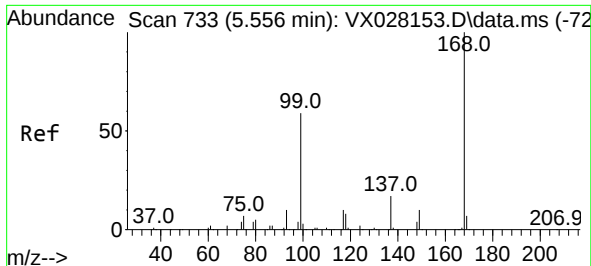
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

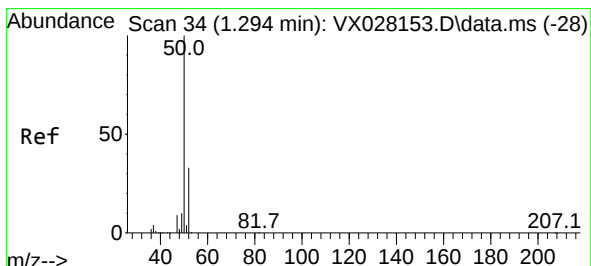
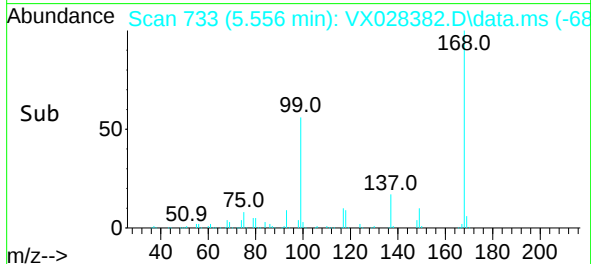
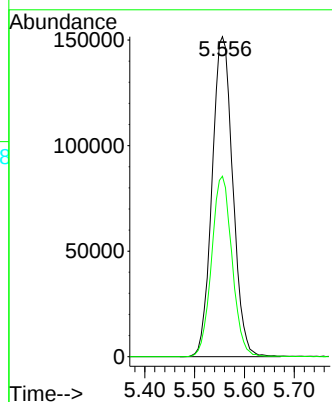
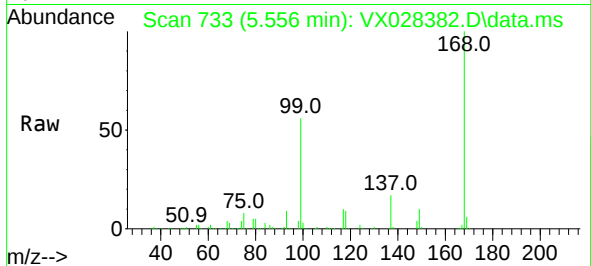




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

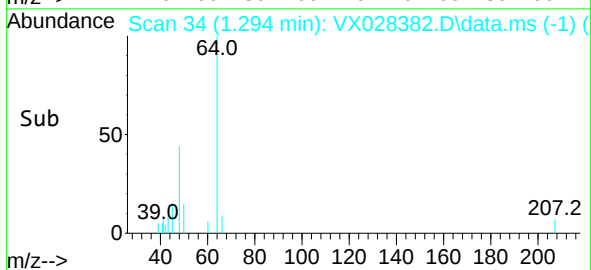
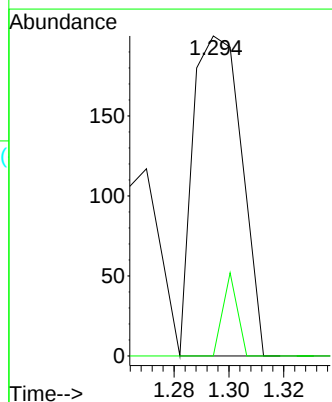
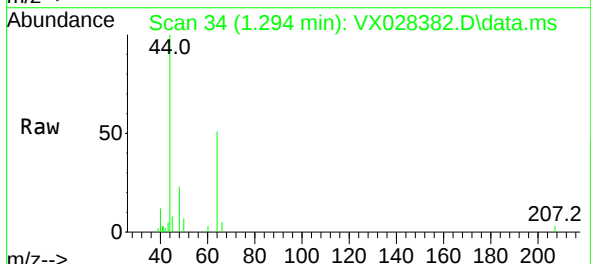
Instrument :
MSVOA_X
ClientSampleId :
MH-14S

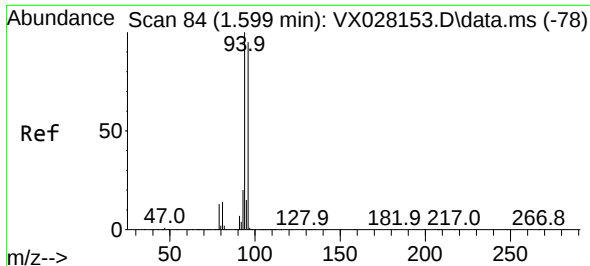
Tgt Ion:168 Resp: 437242
Ion Ratio Lower Upper
168 100
99 56.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 50 Resp: 245
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

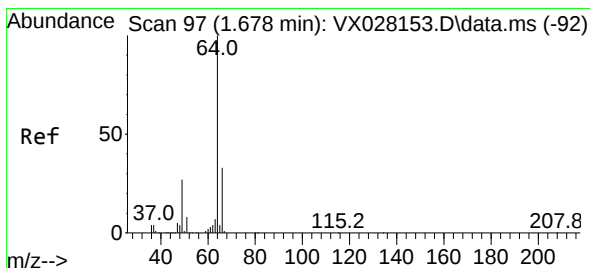
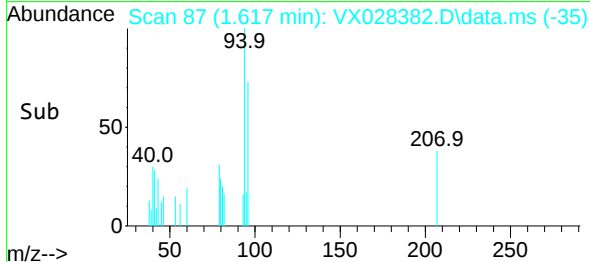
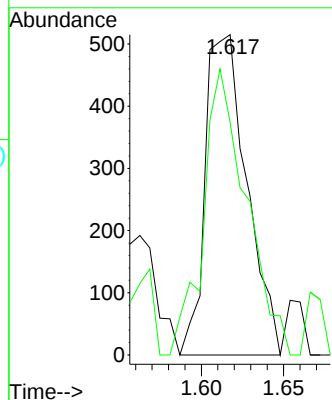
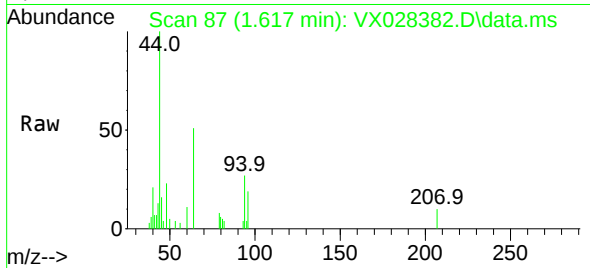




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

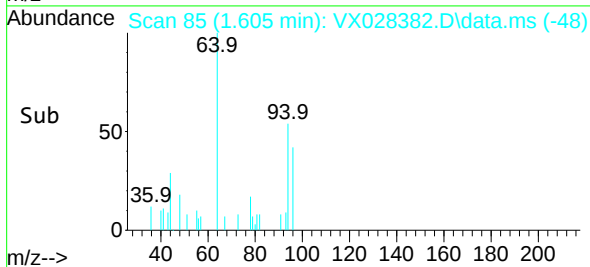
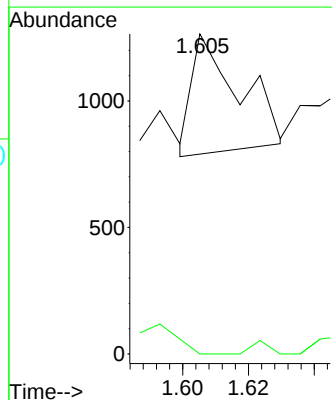
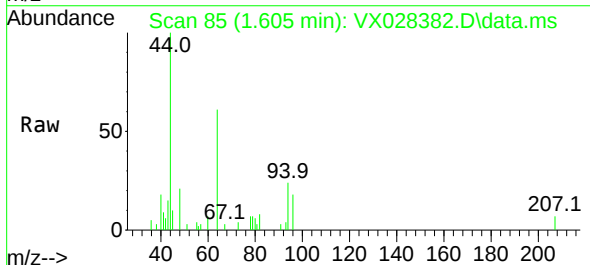
Instrument :
MSVOA_X
ClientSampleId :
MH-14S

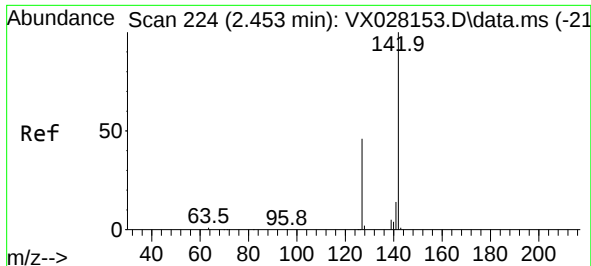
Tgt Ion: 94 Resp: 904
Ion Ratio Lower Upper
94 100
96 60.8 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. -0.073 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 64 Resp: 472
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

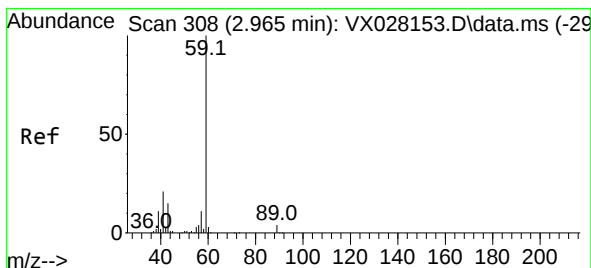
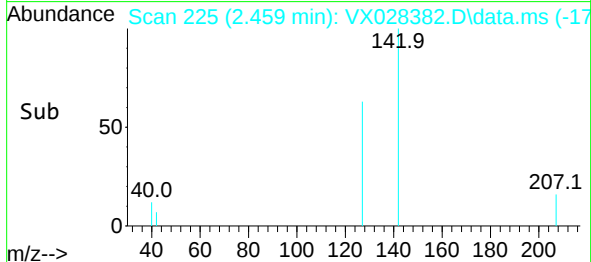
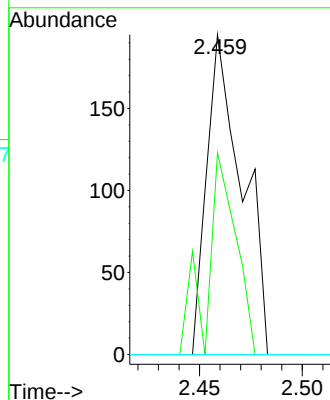
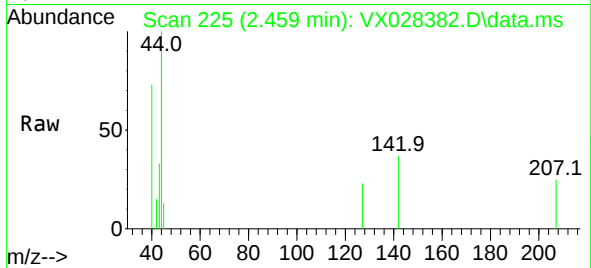




#10
Methyl Iodide
Concen: 5.278 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

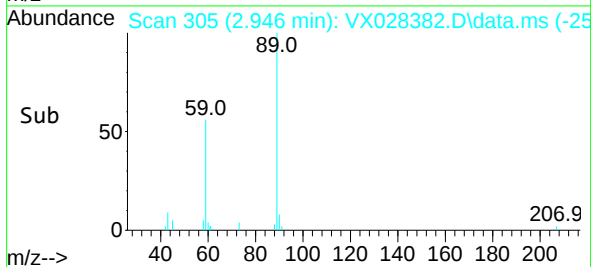
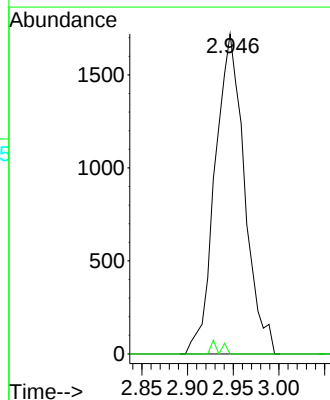
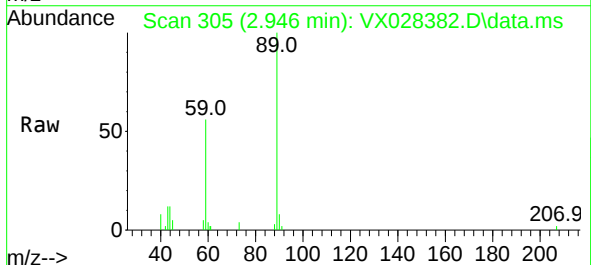
Instrument :
MSVOA_X
ClientSampleId :
MH-14S

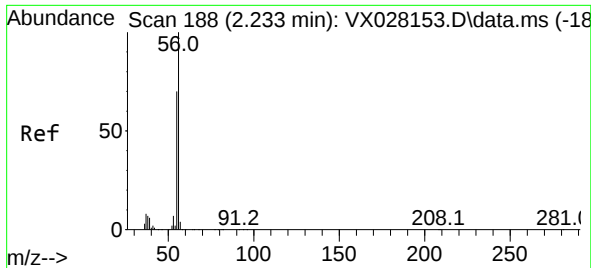
Tgt Ion:142 Resp: 233
Ion Ratio Lower Upper
142 100
127 51.5 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 59 Resp: 3848
Ion Ratio Lower Upper
59 100
57 1.2 8.3 12.5#

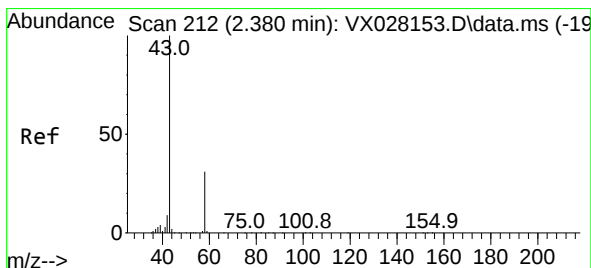
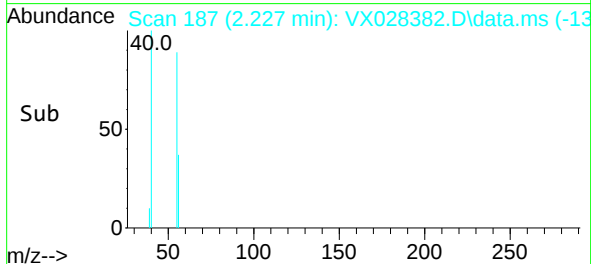
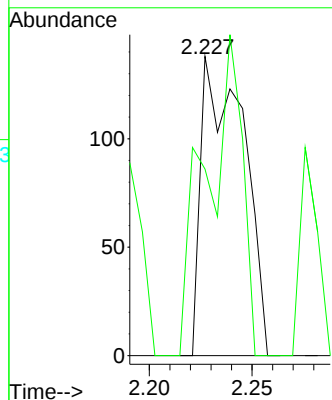
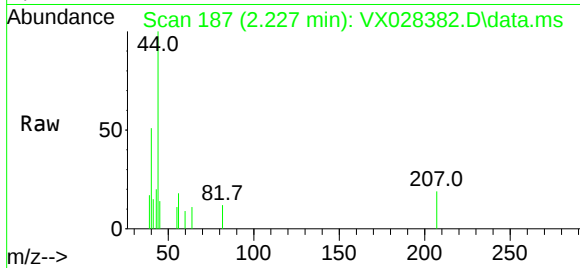




#13
Acrolein
Concen: 0.285 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

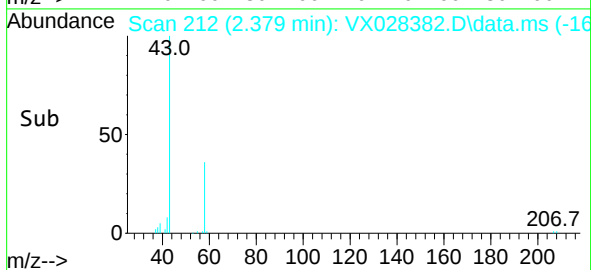
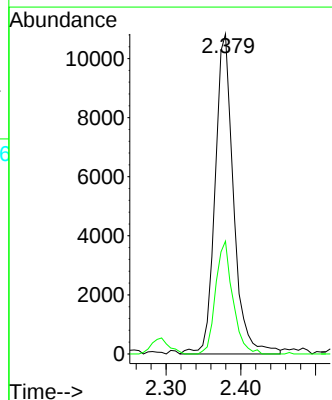
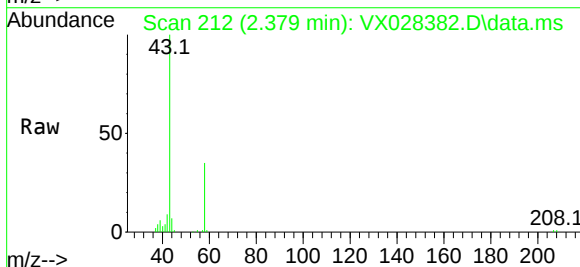
Instrument :
MSVOA_X
ClientSampleId :
MH-14S

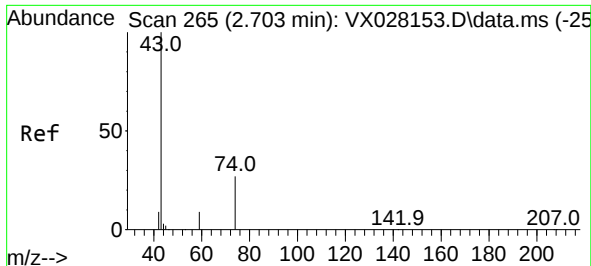
Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 91.0 55.0 82.6#



#16
Acetone
Concen: 9.343 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 43 Resp: 18609
Ion Ratio Lower Upper
43 100
58 35.2 28.8 43.2

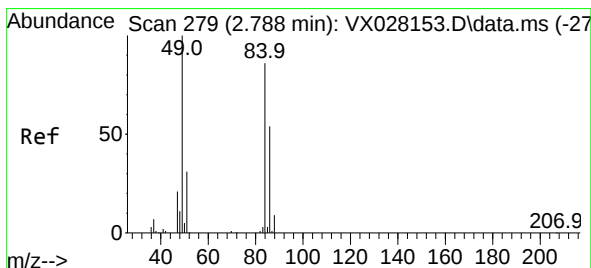
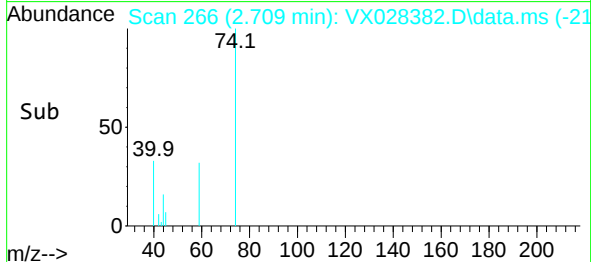
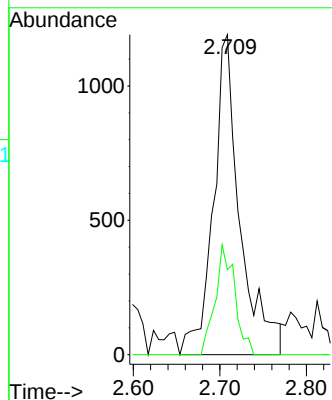
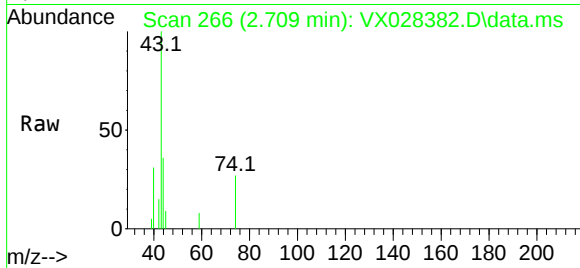




#18
Methyl Acetate
Concen: 0.502 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

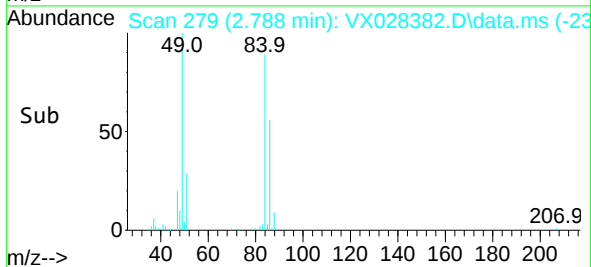
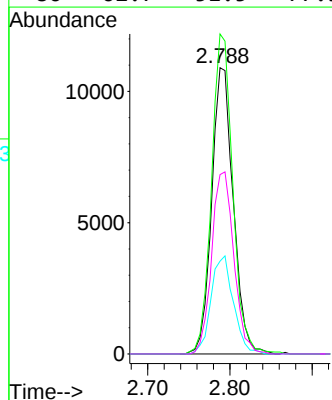
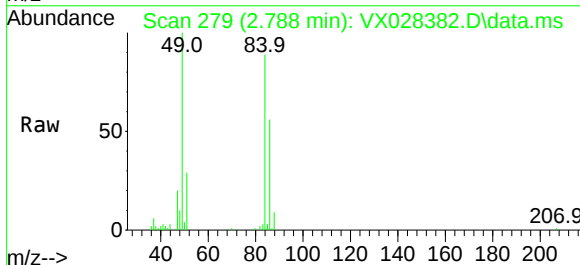
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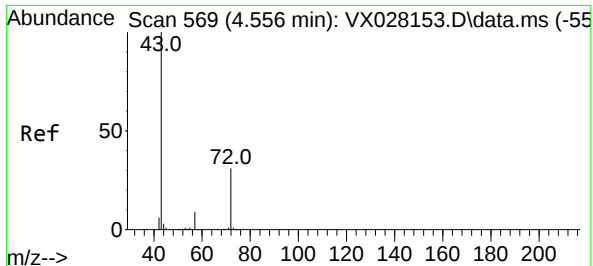
Tgt Ion: 43 Resp: 2545
Ion Ratio Lower Upper
43 100
74 25.3 22.8 34.2



#20
Methylene Chloride
Concen: 4.698 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 84 Resp: 19872
Ion Ratio Lower Upper
84 100
49 111.8 85.5 128.3
51 32.4 26.6 39.8
86 62.7 51.5 77.3





#25

2-Butanone

Concen: 1.170 ug/l

RT: 4.574 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX028382.D

Acq: 27 Apr 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

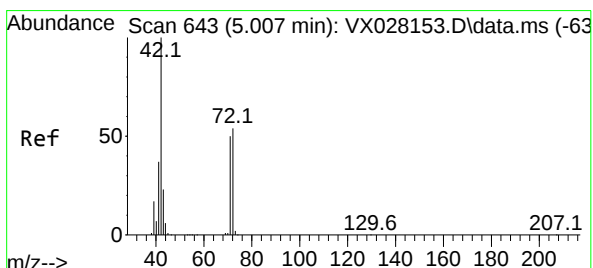
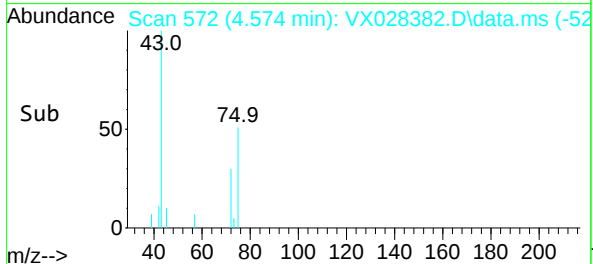
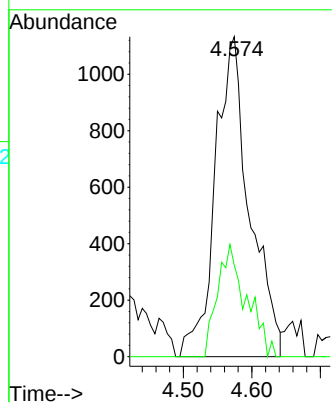
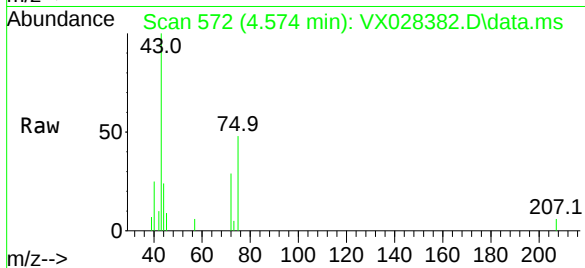
MH-14S

Tgt Ion: 43 Resp: 3950

Ion Ratio Lower Upper

43 100

72 28.6 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.346 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.031 min

Lab File: VX028382.D

Acq: 27 Apr 2022 16:42

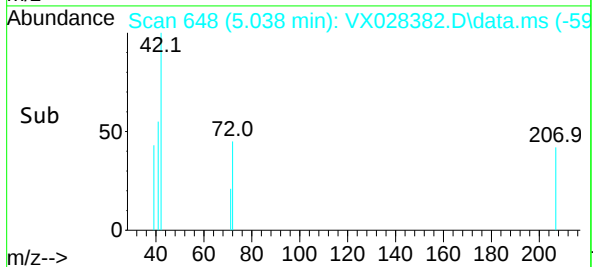
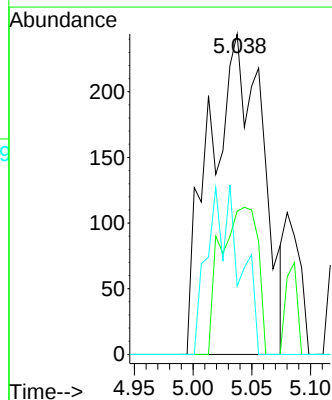
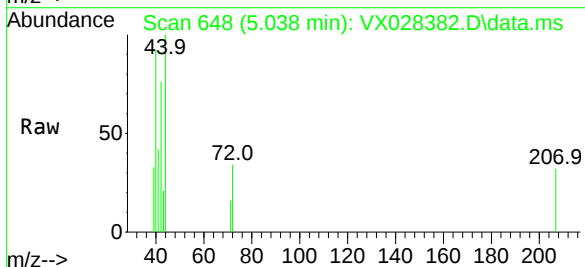
Tgt Ion: 42 Resp: 762

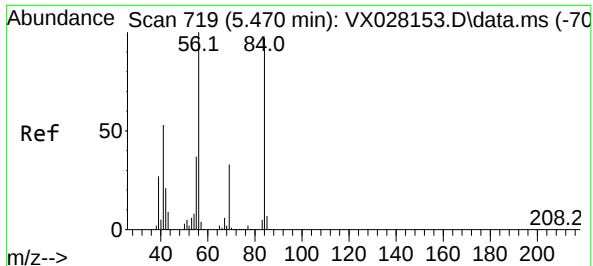
Ion Ratio Lower Upper

42 100

72 32.4 44.1 66.1#

71 31.9 40.5 60.7#

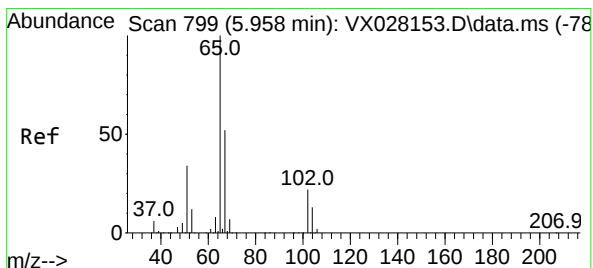
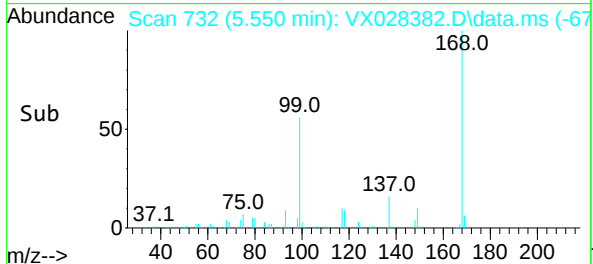
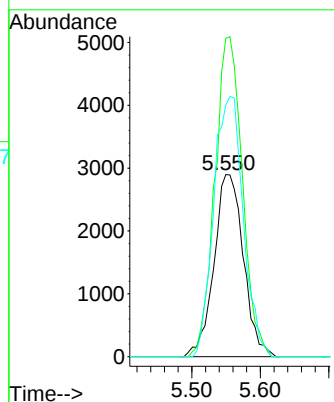
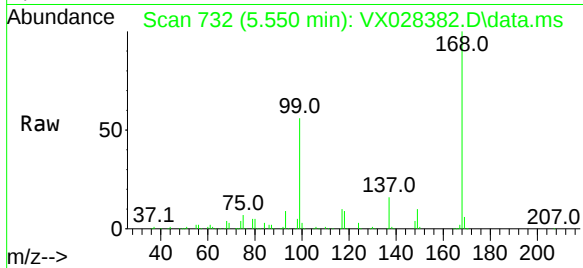




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

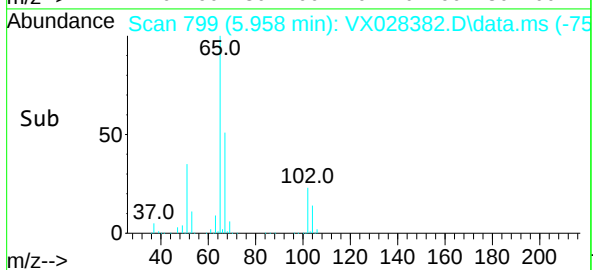
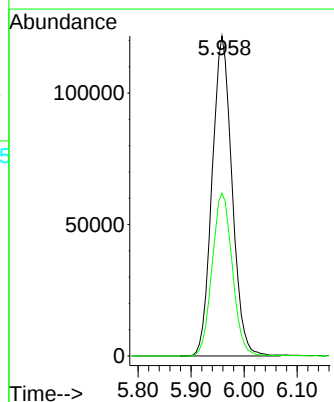
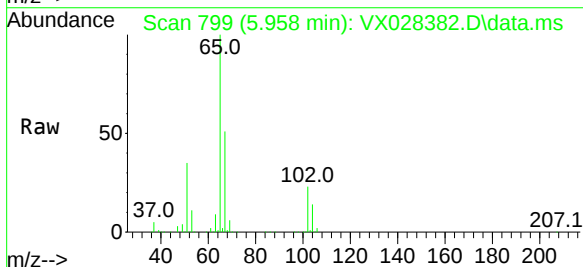
Instrument :
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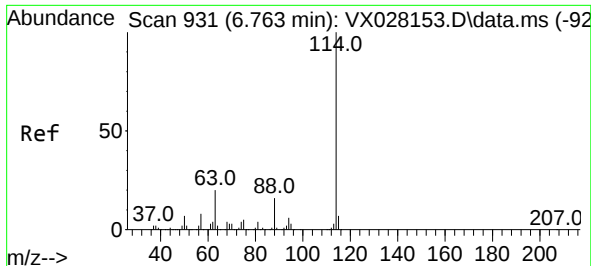
Tgt Ion: 56 Resp: 8600
Ion Ratio Lower Upper
56 100
69 174.8 26.7 40.1#
84 138.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.677 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 65 Resp: 317423
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.4

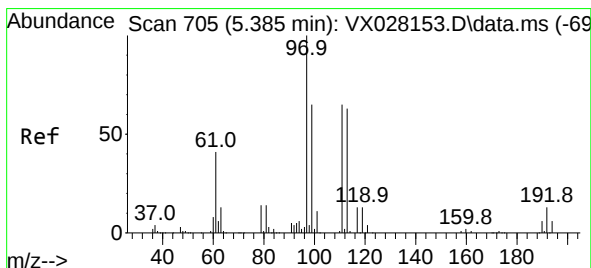
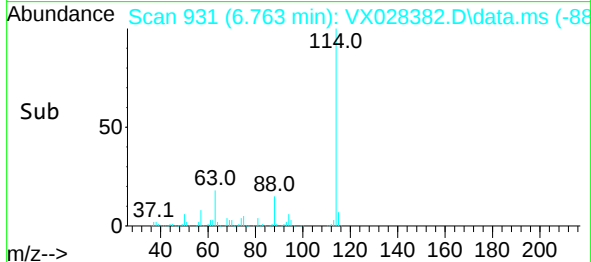
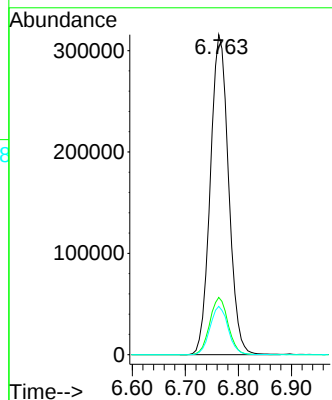
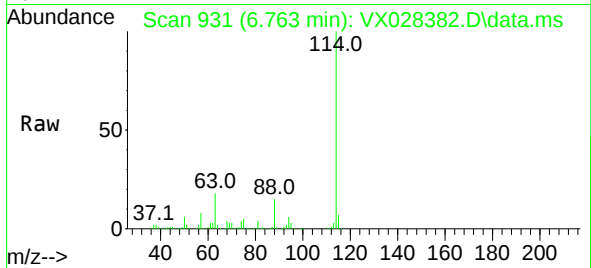




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

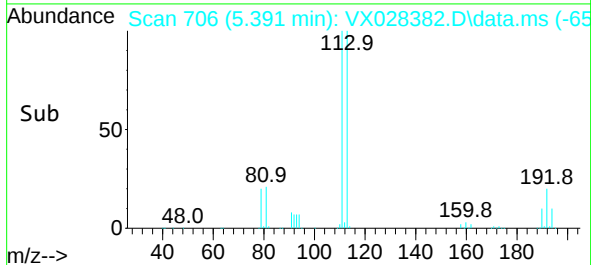
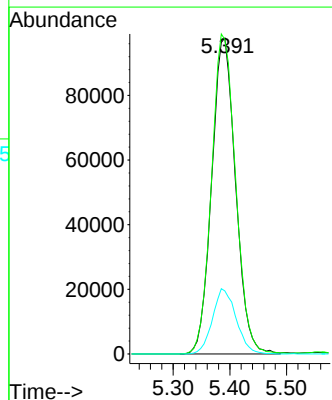
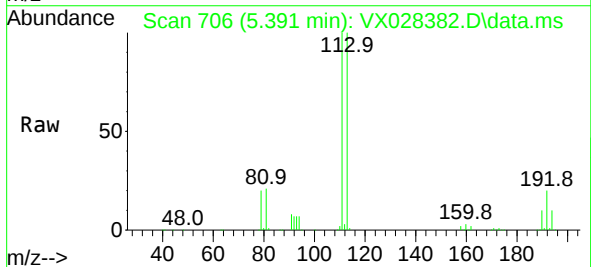
Instrument :
MSVOA_X
ClientSampleId :
MH-14S

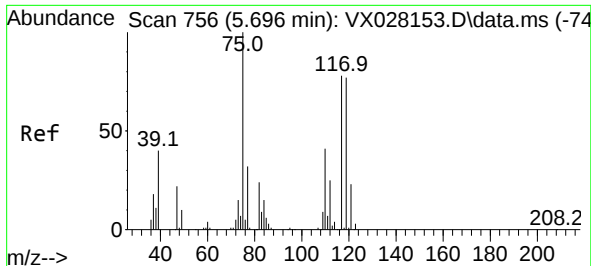
Tgt Ion:114 Resp: 754490
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.8
88 15.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.934 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion:113 Resp: 285375
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 20.5 16.9 25.3

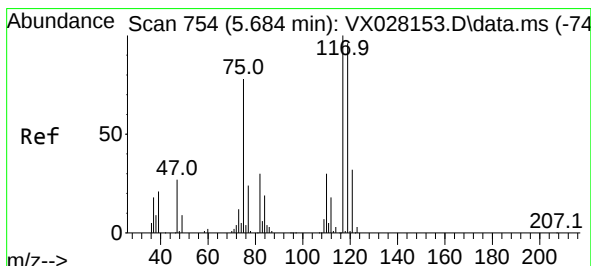
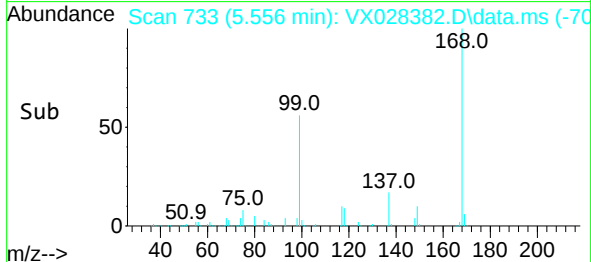
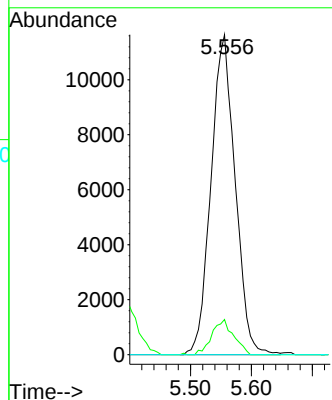
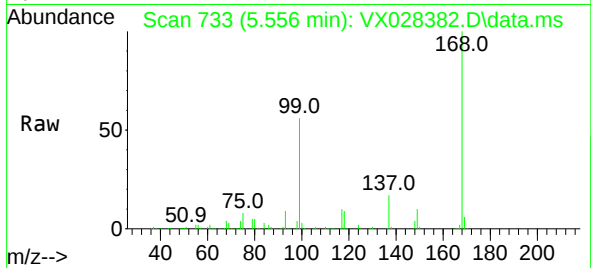




#36
1,1-Dichloropropene
Concen: 4.635 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

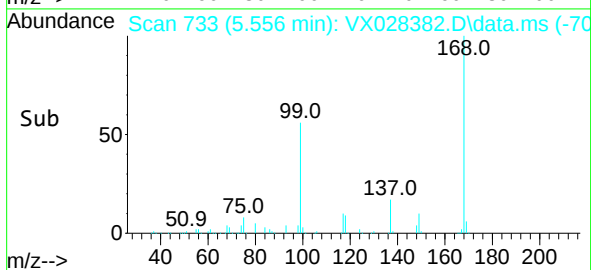
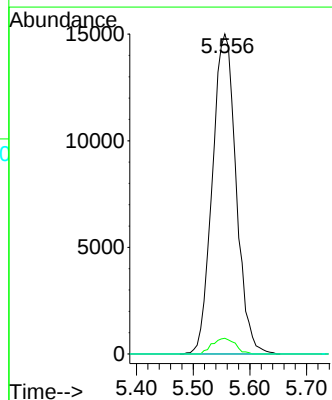
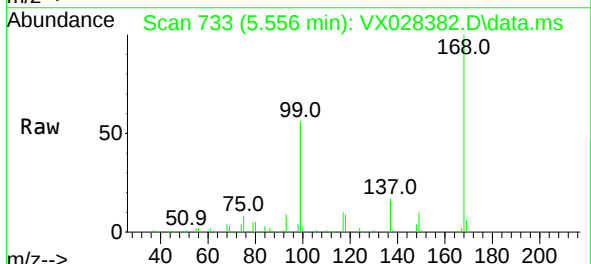
Instrument :
MSVOA_X
ClientSampleId :
MH-14S

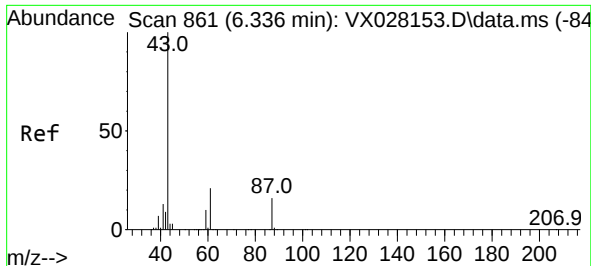
Tgt Ion: 75 Resp: 31991
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.605 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 117 Resp: 43668
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.2 36.2#

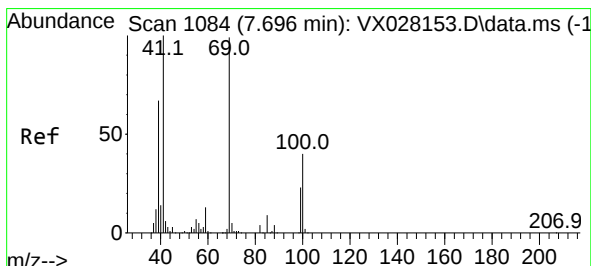
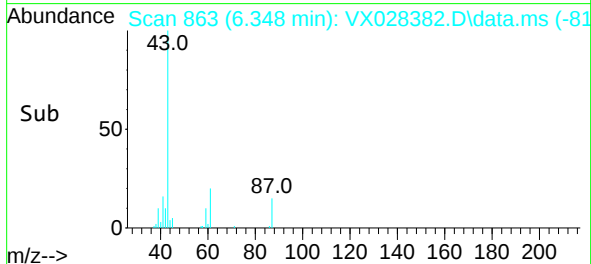
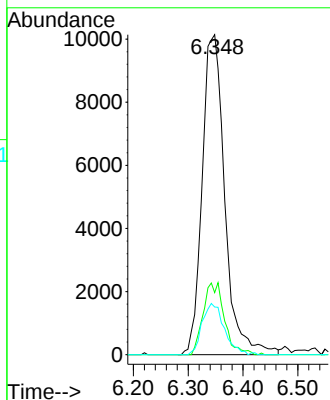
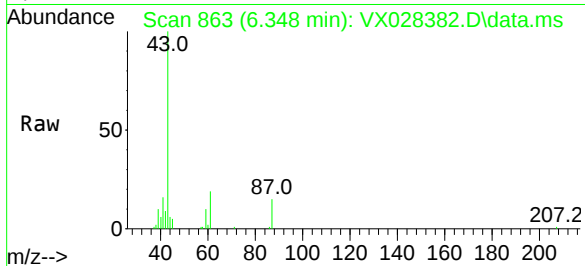




#43
Isopropyl Acetate
Concen: 2.549 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

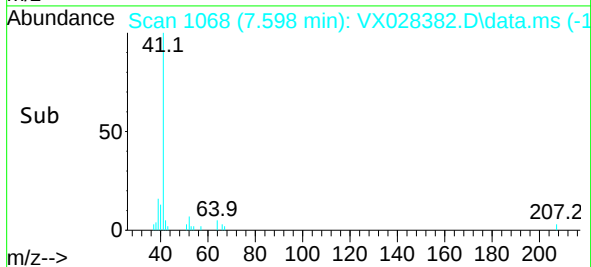
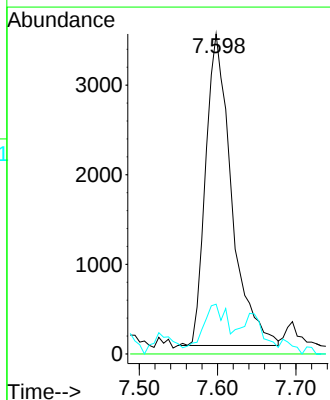
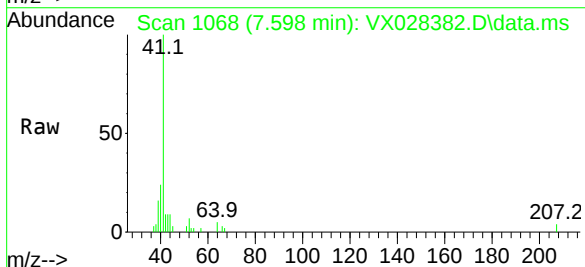
Instrument :
MSVOA_X
ClientSampleId :
MH-14S

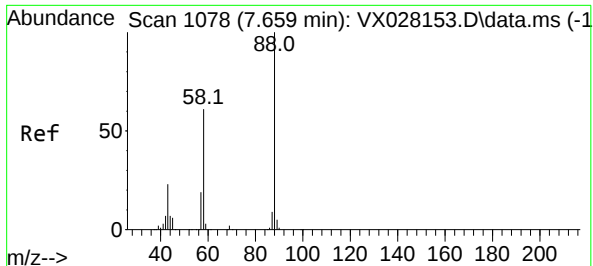
Tgt Ion: 43 Resp: 29058
Ion Ratio Lower Upper
43 100
61 21.0 18.5 27.7
87 15.7 13.0 19.6



#48
Methyl methacrylate
Concen: 1.524 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 41 Resp: 7973
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 2.693 ug/l

RT: 7.811 min Scan# 1103

Delta R.T. 0.152 min

Lab File: VX028382.D

Acq: 27 Apr 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

MH-14S

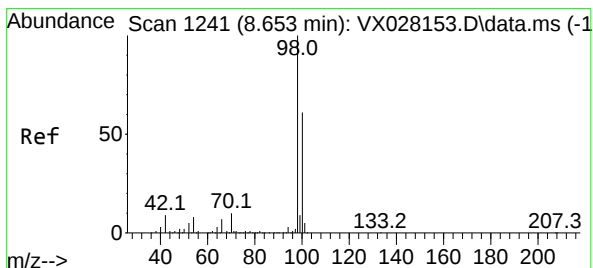
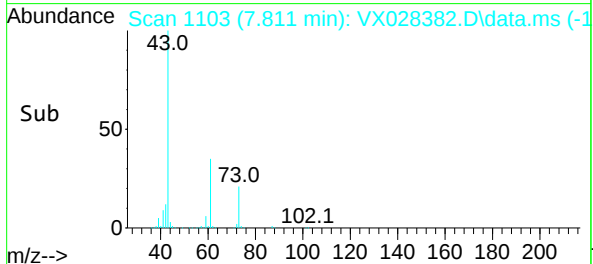
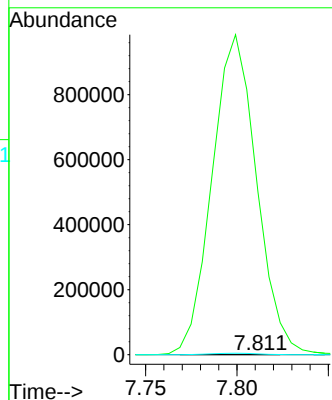
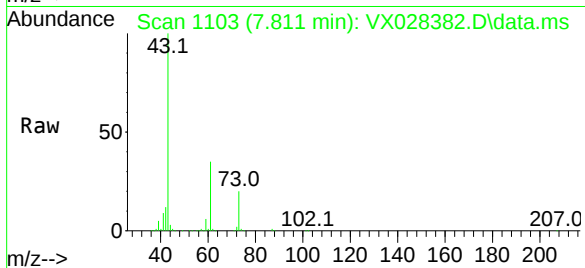
Tgt Ion: 88 Resp: 377

Ion Ratio Lower Upper

88 100

43 445834.2 21.9 32.9#

58 2161.3 53.7 80.5#



#50

Toluene-d8

Concen: 53.168 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028382.D

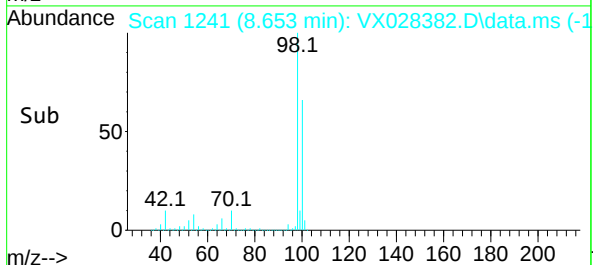
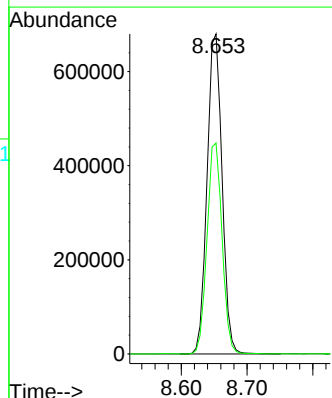
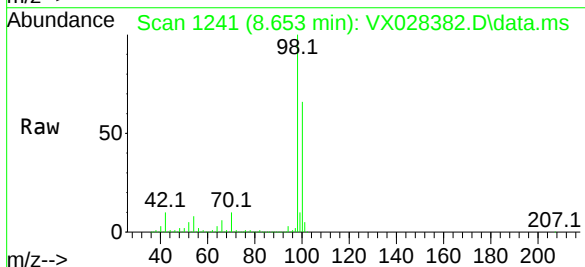
Acq: 27 Apr 2022 16:42

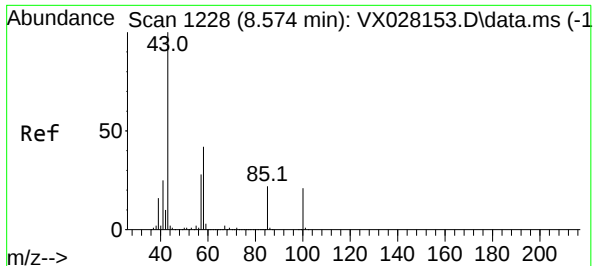
Tgt Ion: 98 Resp: 1080496

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8

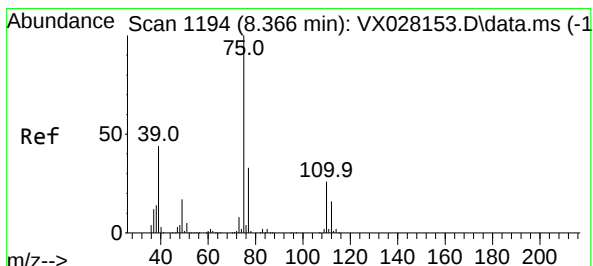
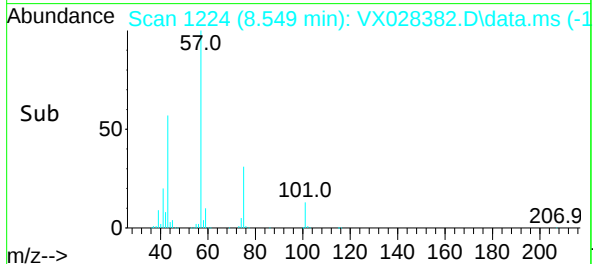
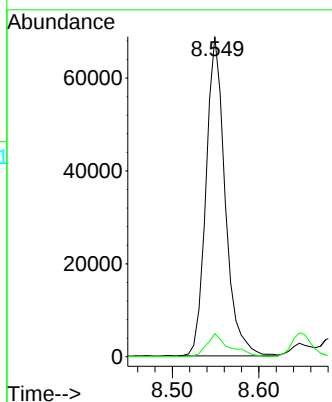
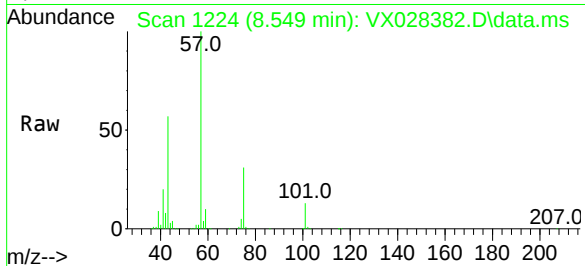




#51
4-Methyl-2-Pentanone
Concen: 14.455 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. -0.025 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

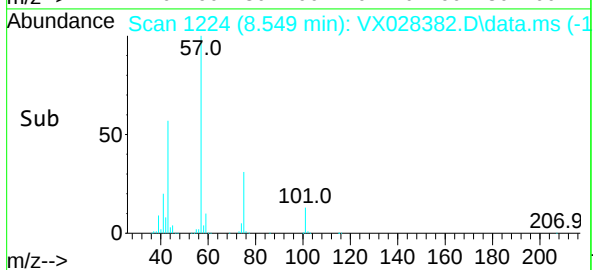
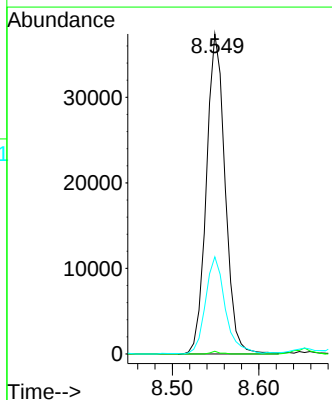
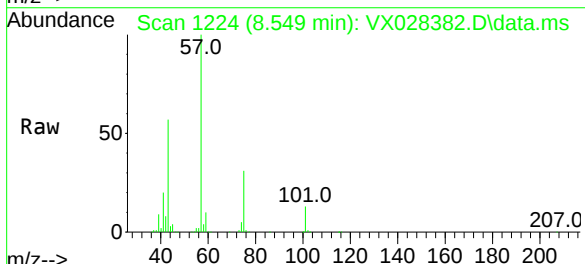
Instrument :
MSVOA_X
ClientSampleId :
MH-14S

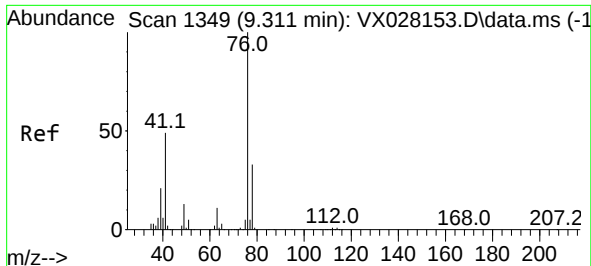
Tgt Ion: 43 Resp: 105724
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 6.598 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 75 Resp: 56146
Ion Ratio Lower Upper
75 100
77 0.9 24.8 37.2#
39 30.2 29.6 44.4





#57

1,3-Dichloropropane

Concen: 3.883 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028382.D

Acq: 27 Apr 2022 16:42

Instrument :

MSVOA_X

ClientSampleId :

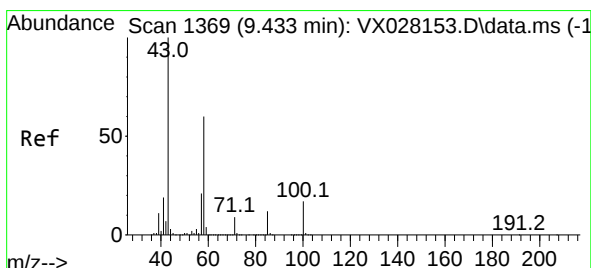
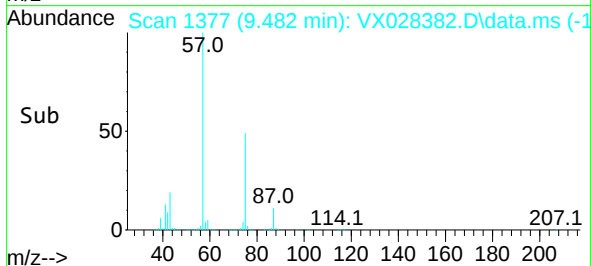
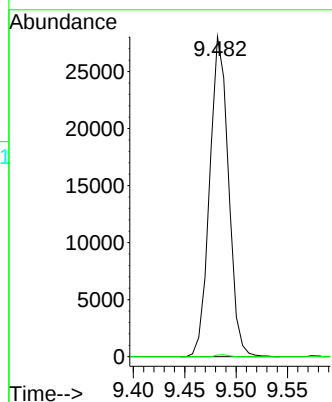
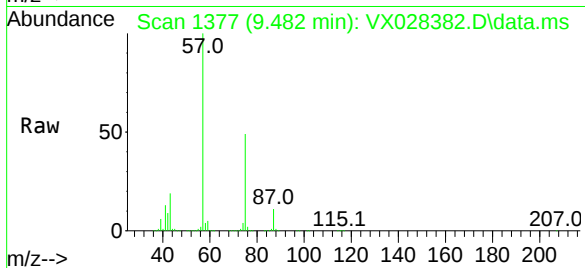
MH-14S

Tgt Ion: 76 Resp: 35746

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 71.668 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028382.D

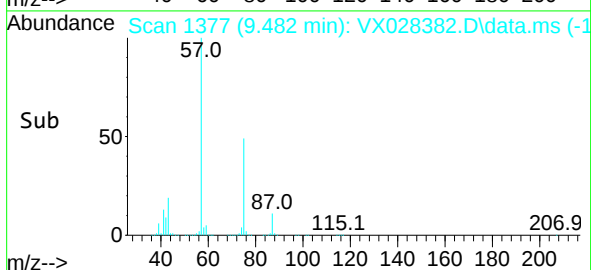
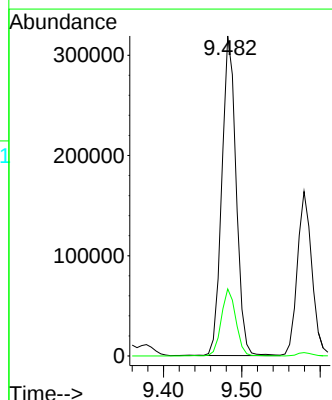
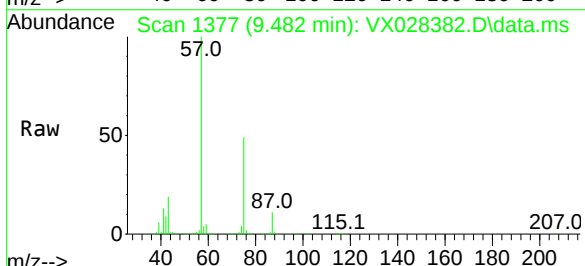
Acq: 27 Apr 2022 16:42

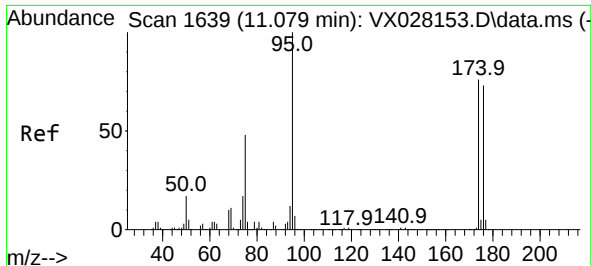
Tgt Ion: 43 Resp: 406044

Ion Ratio Lower Upper

43 100

58 21.4 31.9 95.7#

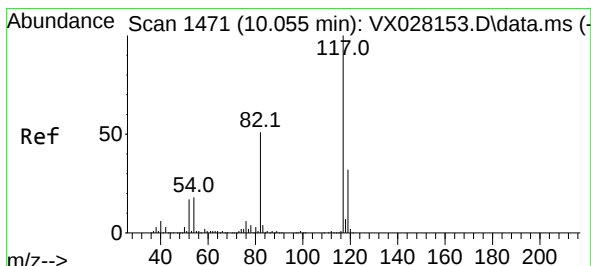
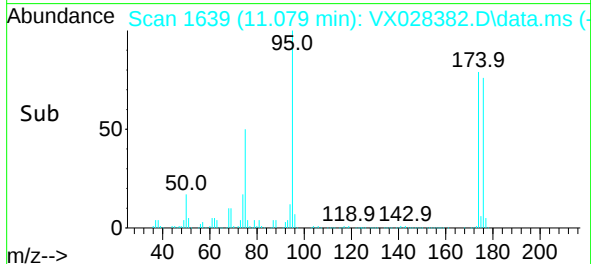
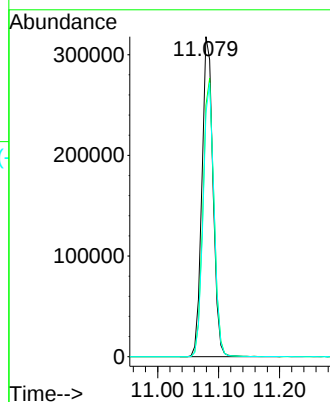
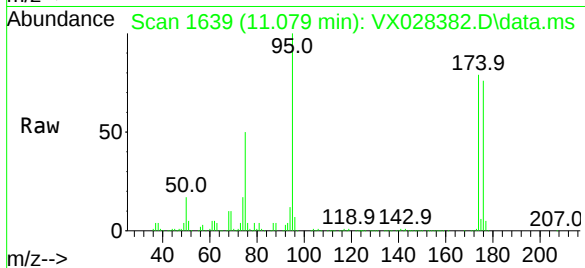




#62
4-Bromofluorobenzene
Concen: 51.706 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

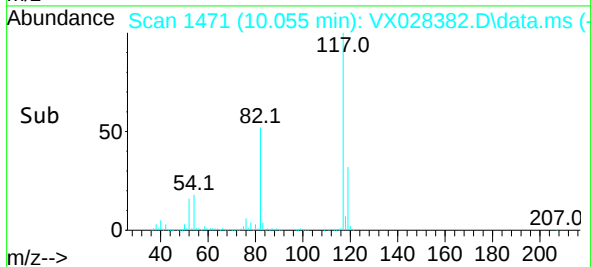
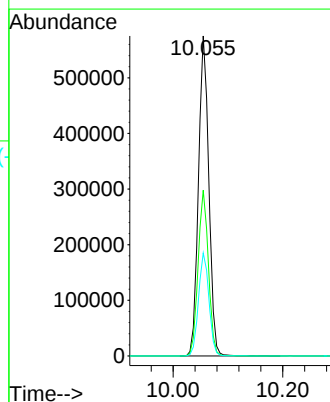
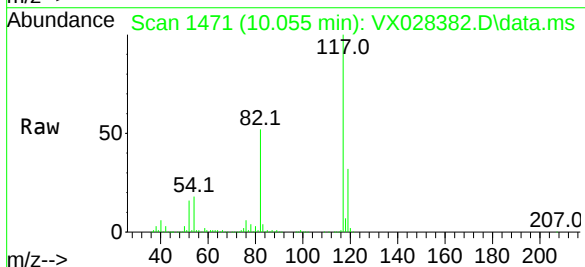
Instrument :
MSVOA_X
ClientSampleId :
MH-14S

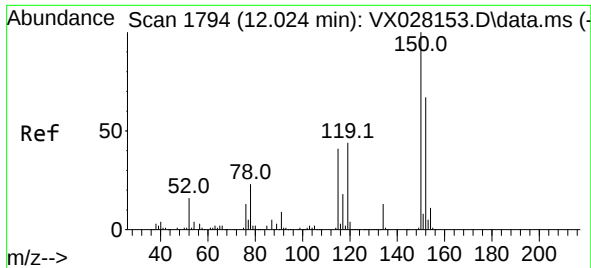
Tgt Ion: 95 Resp: 401778
Ion Ratio Lower Upper
95 100
174 86.6 0.0 163.0
176 84.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028382.D
Acq: 27 Apr 2022 16:42

Tgt Ion: 117 Resp: 758713
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 32.2 24.8 37.2

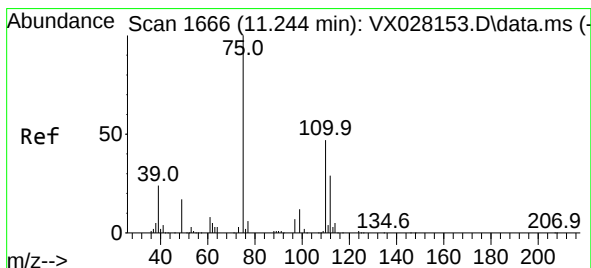
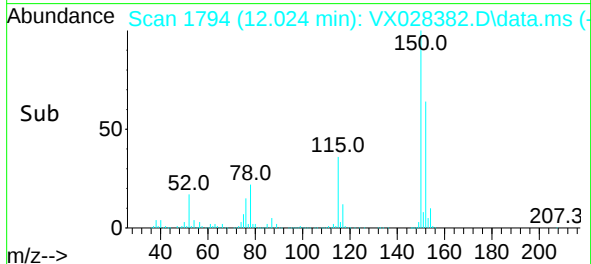
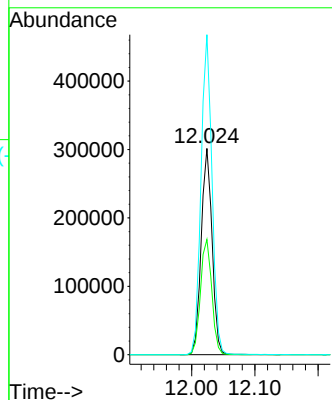
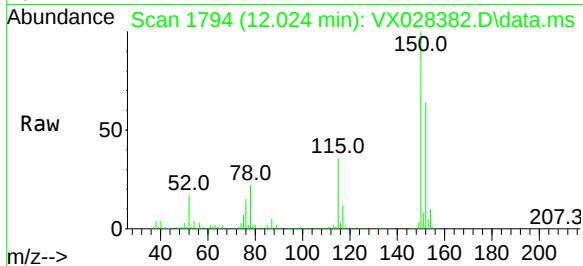




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028382.D
 Acq: 27 Apr 2022 16:42

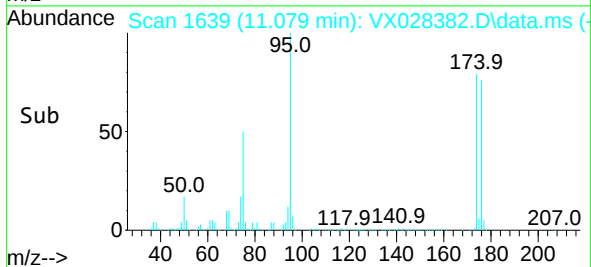
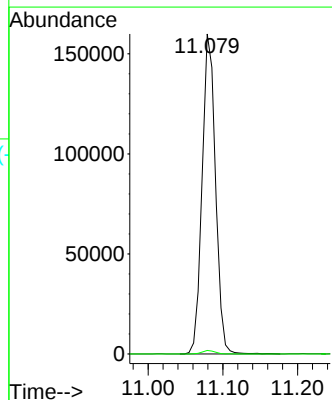
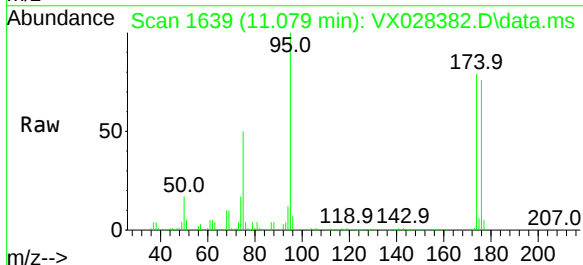
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-14S

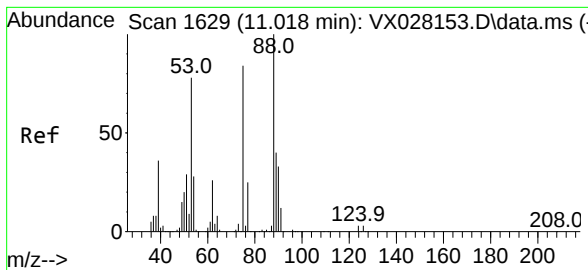
Tgt Ion:152 Resp: 362262
 Ion Ratio Lower Upper
 152 100
 115 57.9 37.5 112.7
 150 156.1 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 27.915 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028382.D
 Acq: 27 Apr 2022 16:42

Tgt Ion: 75 Resp: 199021
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.956 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028382.D
 Acq: 27 Apr 2022 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-14S

Tgt Ion: 75 Resp: 199021
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

