

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028599.D
 Acq On : 10 May 2022 17:09
 Operator : JC/MD
 Sample : N2745-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-31S

Quant Time: May 11 07:02:15 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	402836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	696841	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	686722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	327277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	272726	51.923	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.840%			
35) Dibromofluoromethane	5.391	113	254648	52.108	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.220%			
50) Toluene-d8	8.653	98	941466	50.159	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	349425	48.689	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.380%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	313	Below Cal	#	86
5) Bromomethane	1.611	94	739	Below Cal		81
6) Chloroethane	1.678	64	364	Below Cal	#	75
8) Diethyl Ether	2.166	74	40	Below Cal	#	1
10) Methyl Iodide	2.465	142	186	5.272	ug/l #	72
11) Tert butyl alcohol	2.946	59	9656	Below Cal	#	72
16) Acetone	2.379	43	43260	25.713	ug/l	99
18) Methyl Acetate	2.702	43	2074	0.444	ug/l	97
20) Methylene Chloride	2.794	84	12971	3.328	ug/l	94
25) 2-Butanone	4.562	43	8448	2.716	ug/l	97
29) Tetrahydrofuran	5.031	42	482	0.238	ug/l #	86
31) Cyclohexane	5.556	56	7307	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	28655	4.495	ug/l #	50
38) Carbon Tetrachloride	5.556	117	39151	5.441	ug/l #	15
43) Isopropyl Acetate	6.348	43	28903	2.746	ug/l	97
48) Methyl methacrylate	7.598	41	8063	1.668	ug/l #	7
51) 4-Methyl-2-Pentanone	8.549	43	111633	16.525	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	58837	7.487	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	36223	4.261	ug/l #	43
59) 2-Hexanone	9.482	43	411085	78.561	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	173161	26.884	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	173161	79.892	ug/l #	15
90) Hexachloroethane	12.329	117	21	1.819	ug/l #	10

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

Quant Time: May 11 07:02:15 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

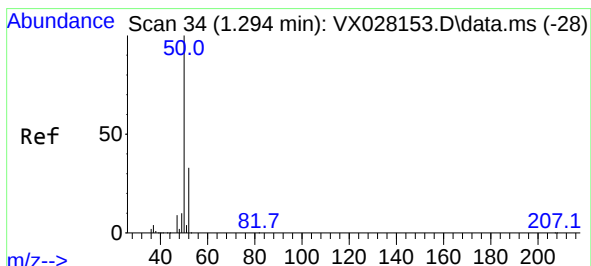
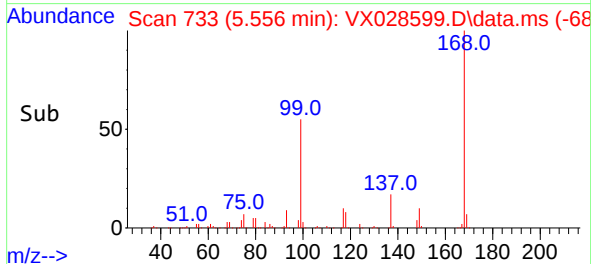
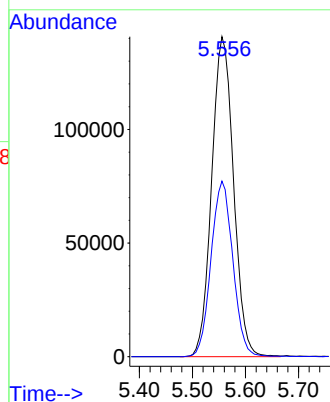
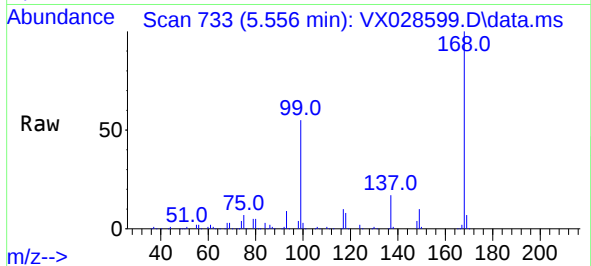




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

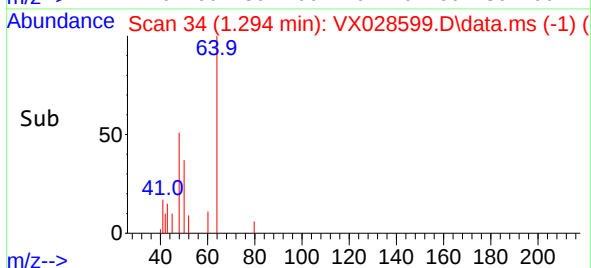
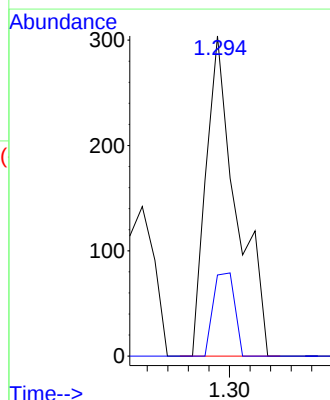
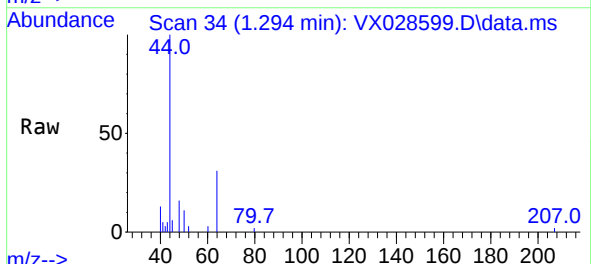
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

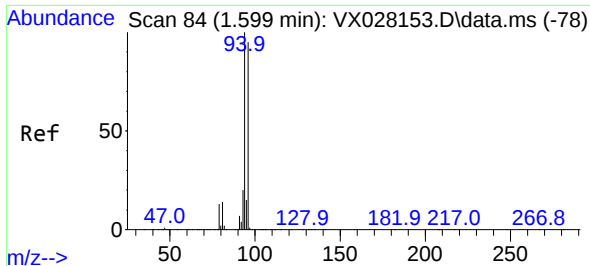
Tgt Ion:168 Resp: 402836
Ion Ratio Lower Upper
168 100
99 54.9 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 50 Resp: 313
Ion Ratio Lower Upper
50 100
52 25.3 26.4 39.6#

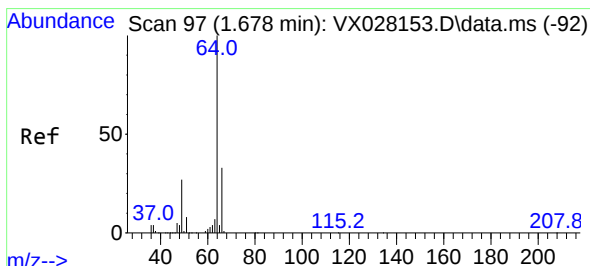
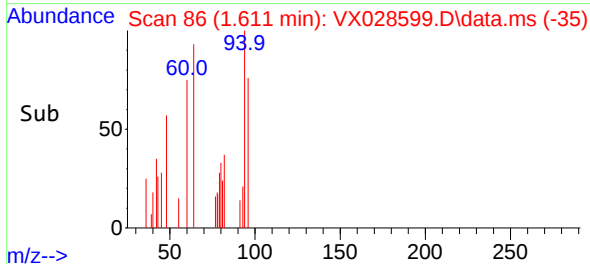
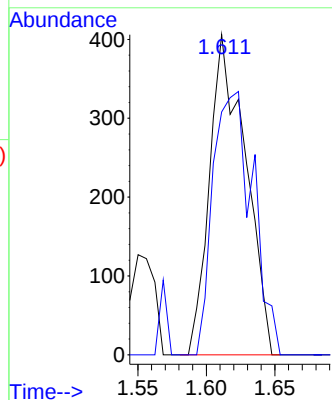
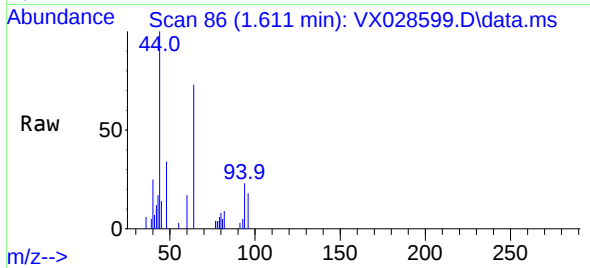




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

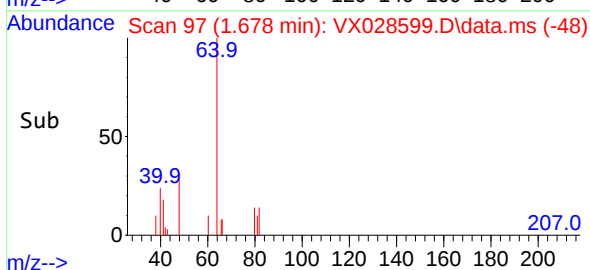
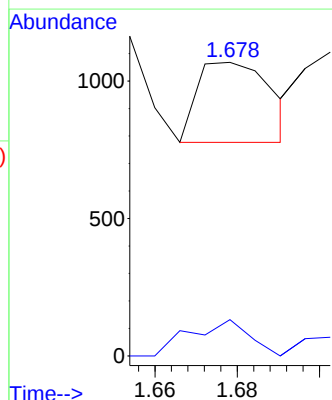
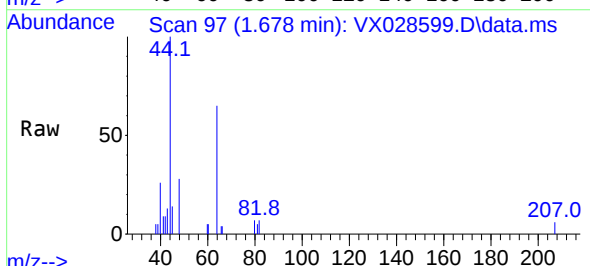
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

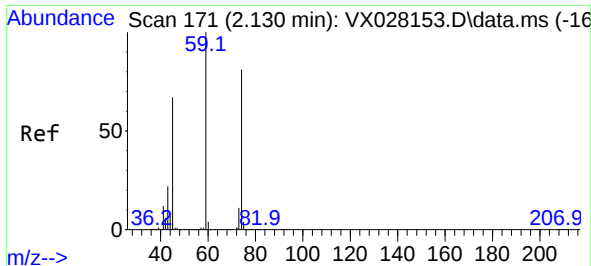
Tgt Ion: 94 Resp: 739
Ion Ratio Lower Upper
94 100
96 75.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 64 Resp: 364
Ion Ratio Lower Upper
64 100
66 45.4 25.3 37.9#

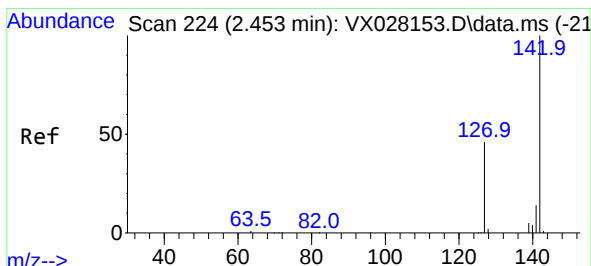
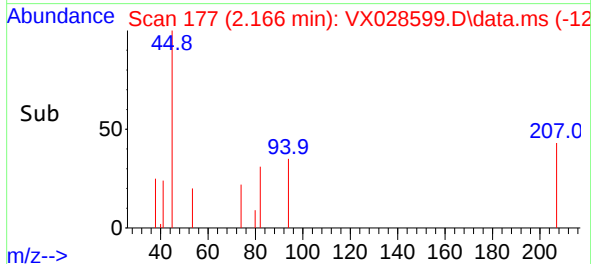
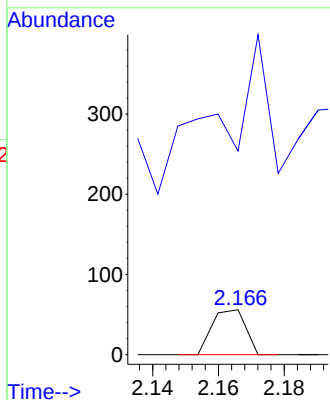
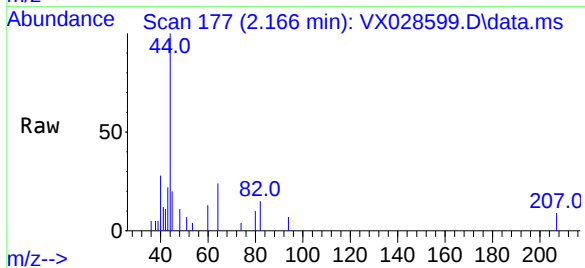




#8
Diethyl Ether
Concen: Below Cal
RT: 2.166 min Scan# 11
Delta R.T. 0.036 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

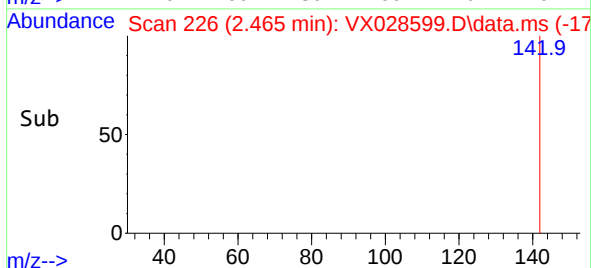
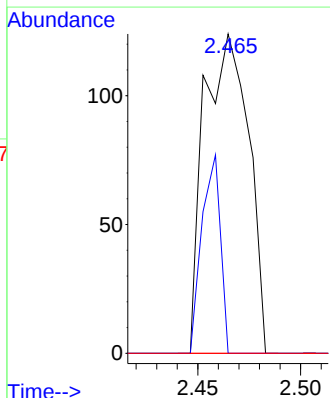
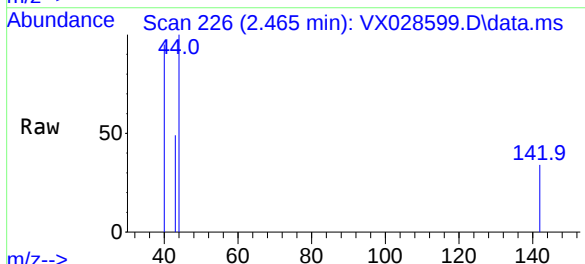
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

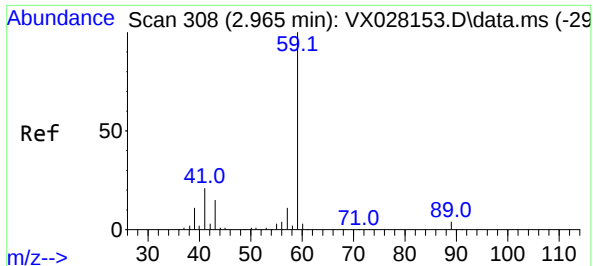
Tgt Ion: 74 Resp: 40
Ion Ratio Lower Upper
74 100
45 605.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.272 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 142 Resp: 186
Ion Ratio Lower Upper
142 100
127 25.8 33.9 50.9#
141 0.0 11.4 17.2#

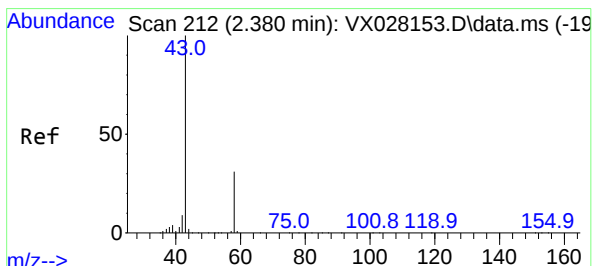
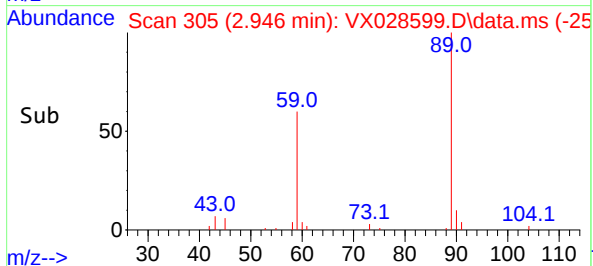
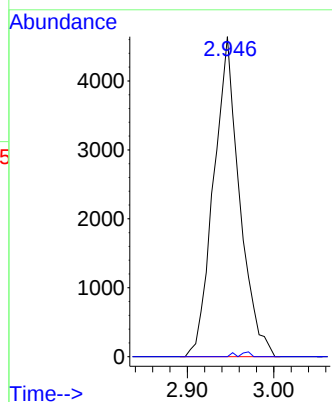
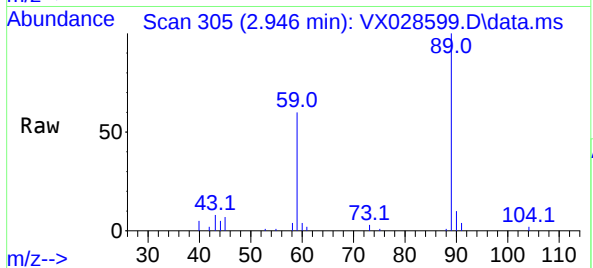




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

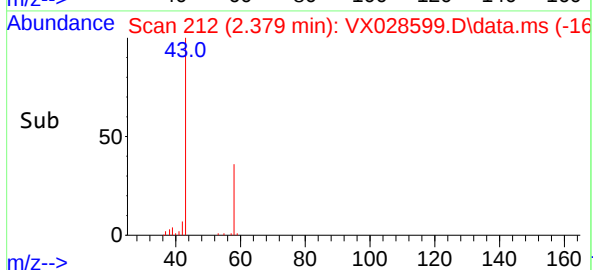
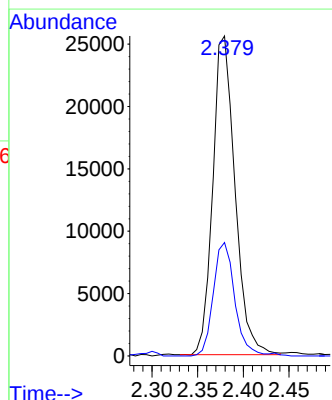
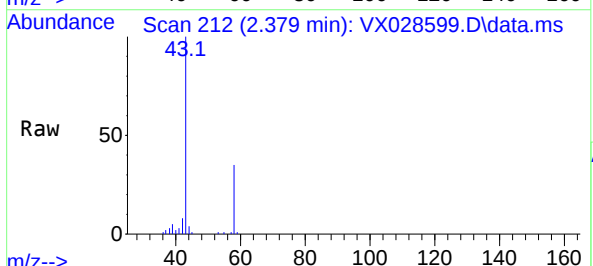
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

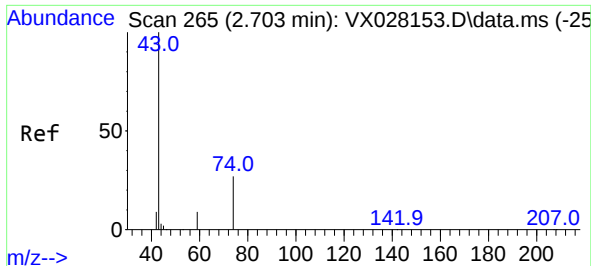
Tgt Ion: 59 Resp: 9656
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 25.713 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 43 Resp: 43260
Ion Ratio Lower Upper
43 100
58 35.6 28.8 43.2





#18

Methyl Acetate

Concen: 0.444 ug/l

RT: 2.702 min Scan# 2

Delta R.T. -0.001 min

Lab File: VX028599.D

Acq: 10 May 2022 17:09

Instrument :

MSVOA_X

ClientSampleId :

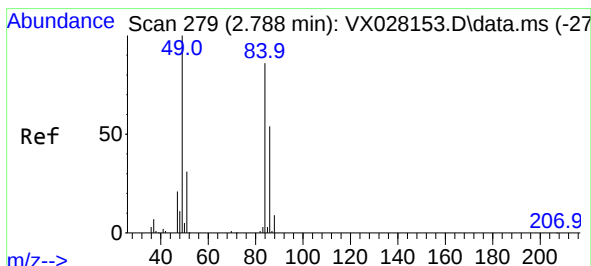
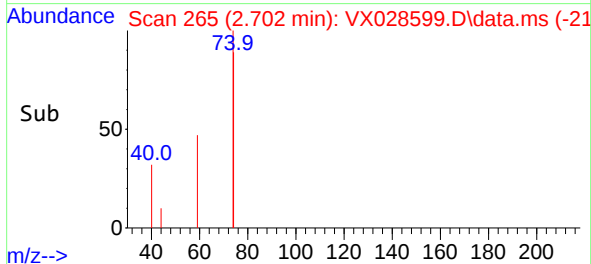
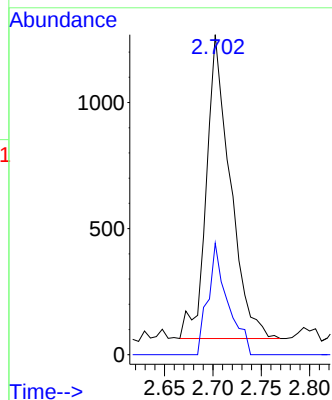
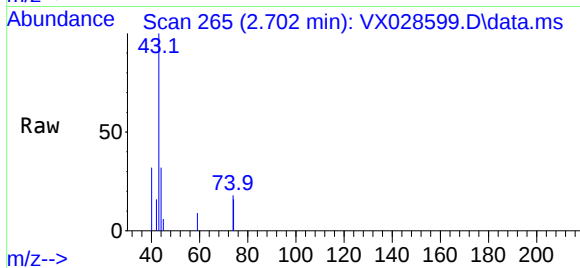
MH-31S

Tgt Ion: 43 Resp: 2074

Ion Ratio Lower Upper

43 100

74 30.1 22.8 34.2



#20

Methylene Chloride

Concen: 3.328 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX028599.D

Acq: 10 May 2022 17:09

Tgt Ion: 84 Resp: 12971

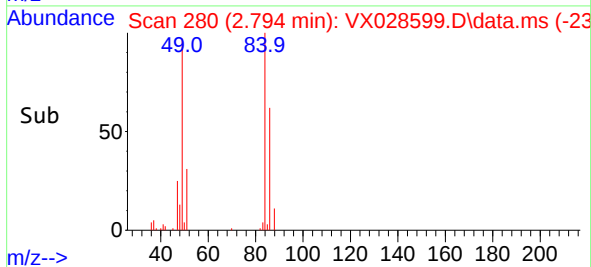
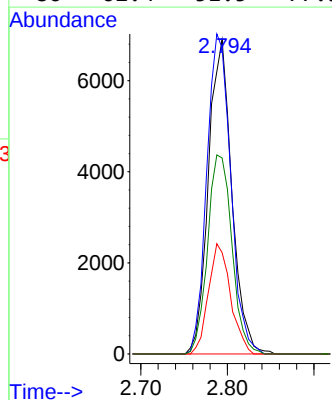
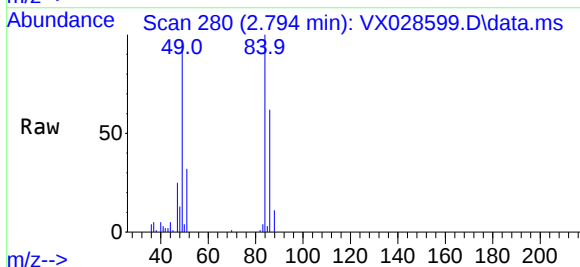
Ion Ratio Lower Upper

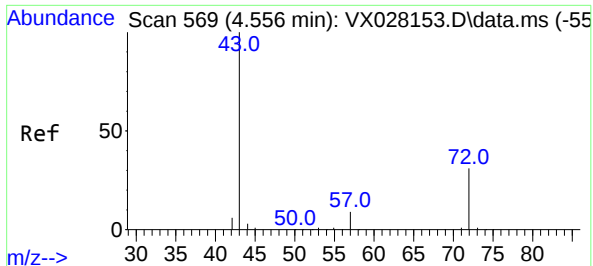
84 100

49 97.4 85.5 128.3

51 32.3 26.6 39.8

86 62.4 51.5 77.3





#25

2-Butanone

Concen: 2.716 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028599.D

Acq: 10 May 2022 17:09

Instrument :

MSVOA_X

ClientSampleId :

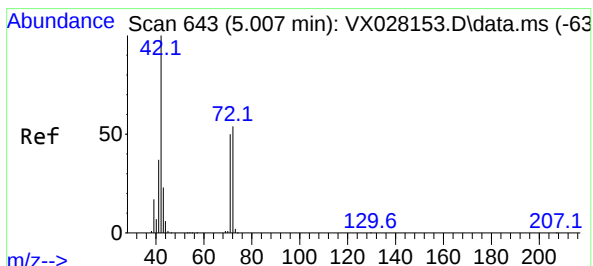
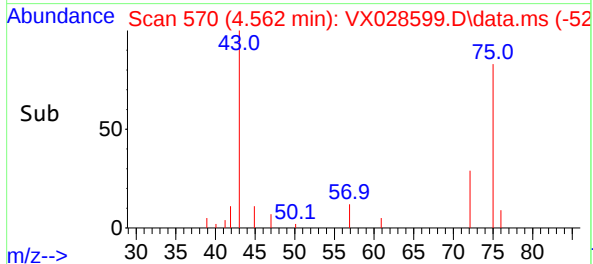
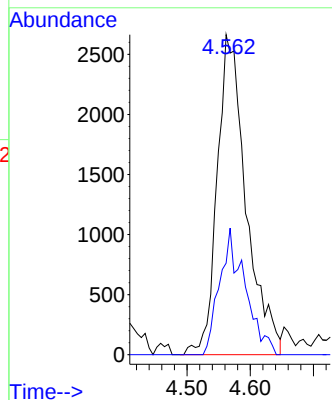
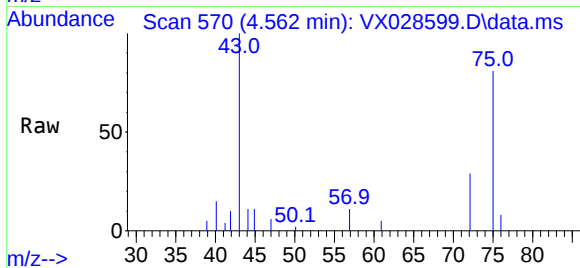
MH-31S

Tgt Ion: 43 Resp: 8448

Ion Ratio Lower Upper

43 100

72 28.6 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.238 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX028599.D

Acq: 10 May 2022 17:09

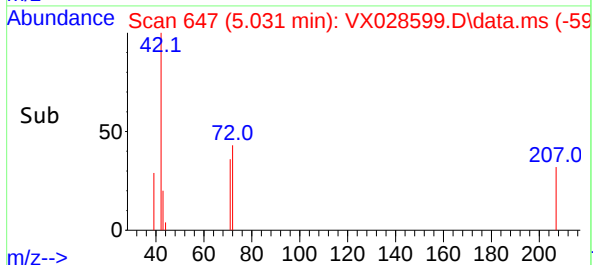
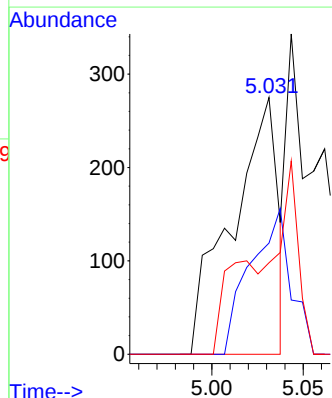
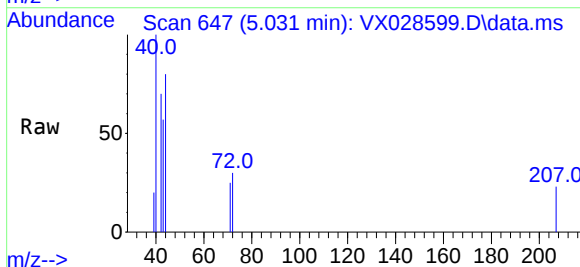
Tgt Ion: 42 Resp: 482

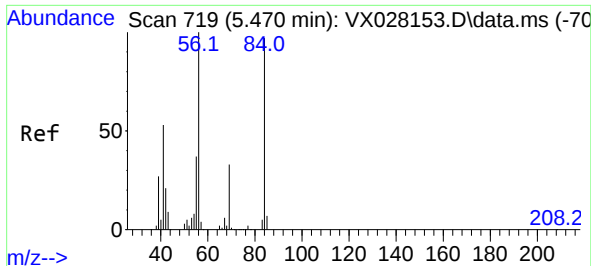
Ion Ratio Lower Upper

42 100

72 49.8 44.1 66.1

71 35.9 40.5 60.7#

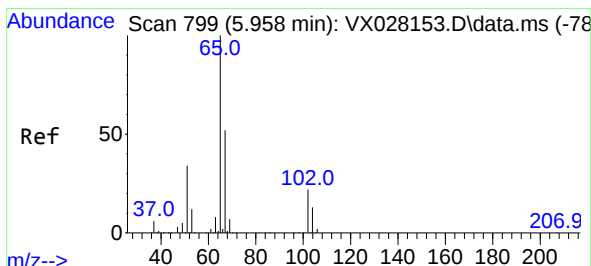
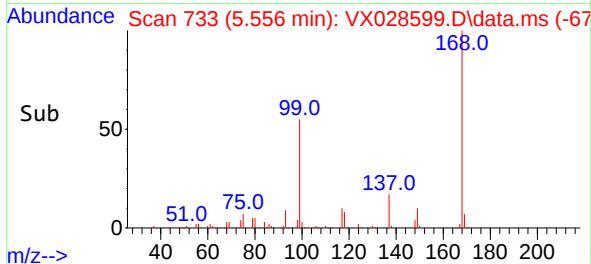
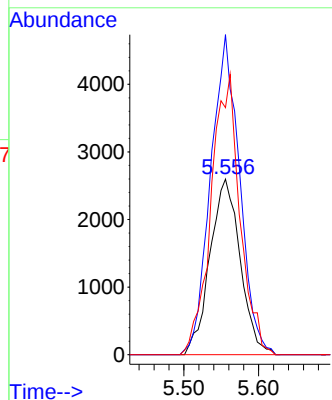
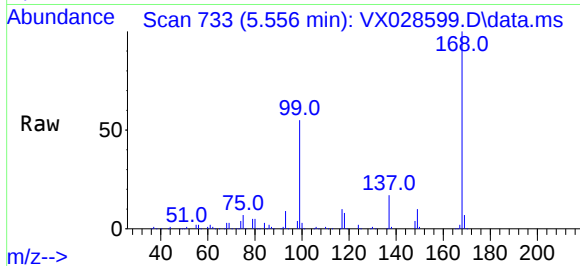




#31
Cyclohexane
Concen: 1.142 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

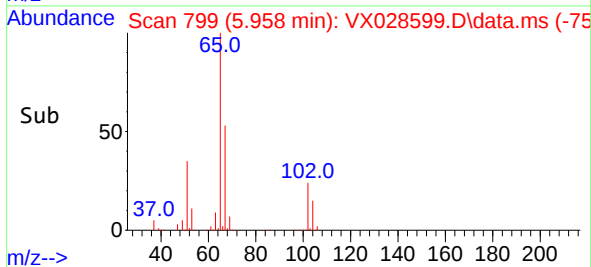
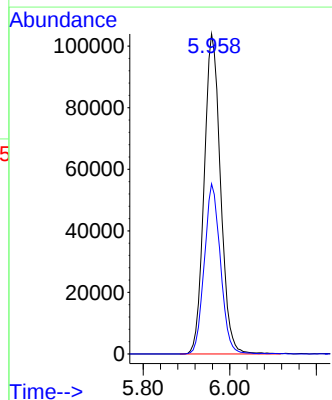
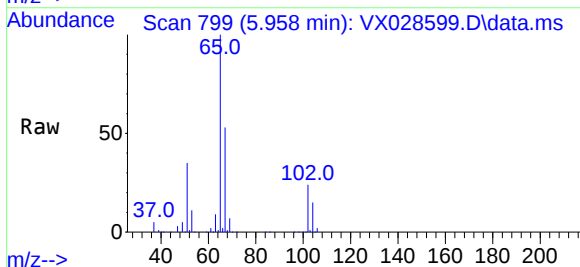
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

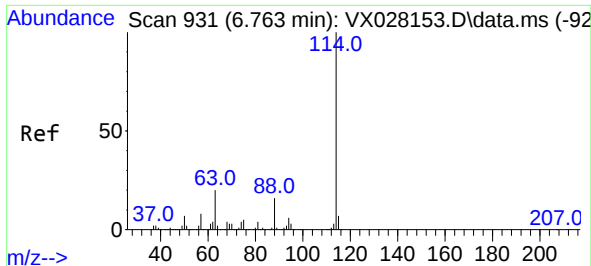
Tgt Ion: 56 Resp: 7307
Ion Ratio Lower Upper
56 100
69 182.3 26.7 40.1#
84 140.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 51.923 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 65 Resp: 272726
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4

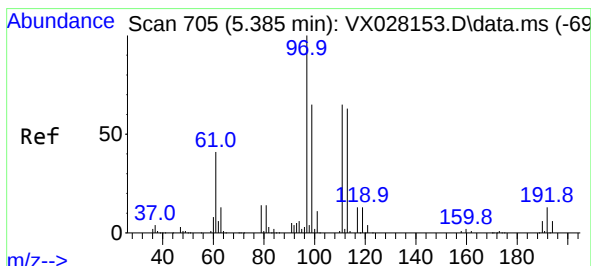
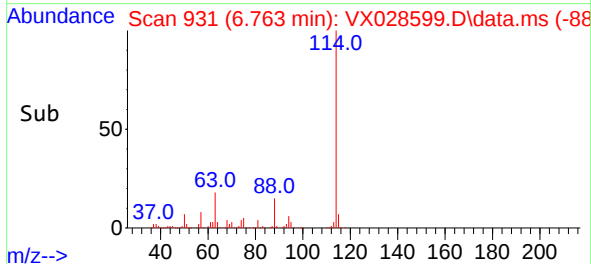
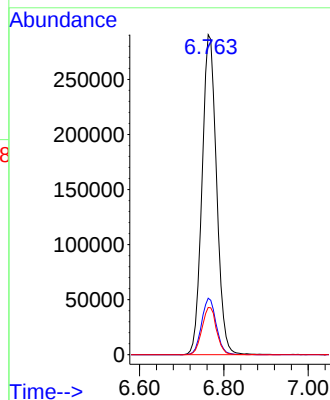
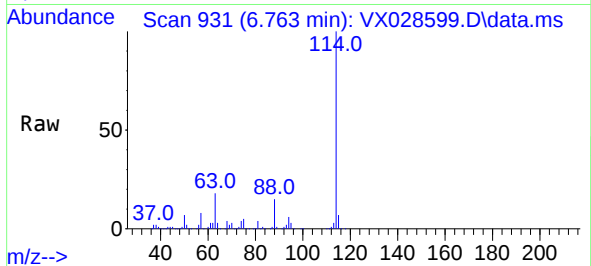




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

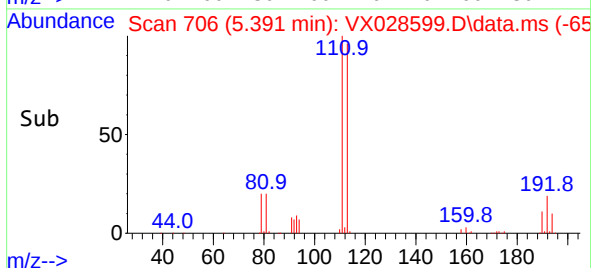
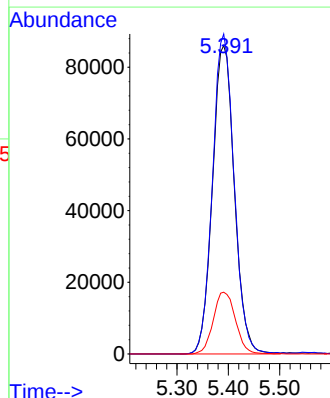
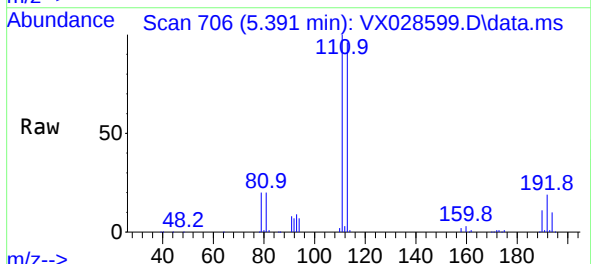
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

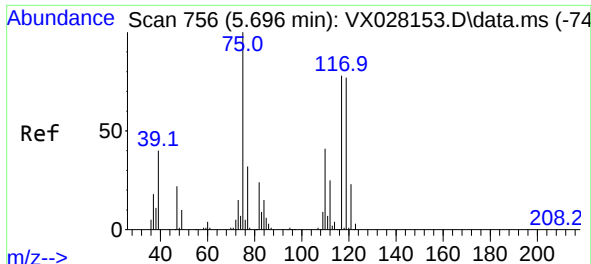
Tgt Ion:114 Resp: 696841
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.8
88 14.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 52.108 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion:113 Resp: 254648
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 20.3 16.9 25.3

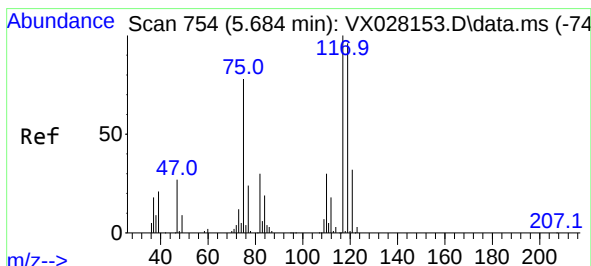
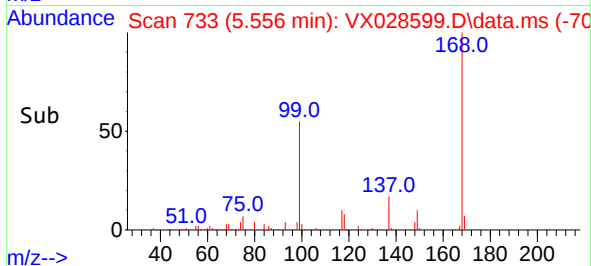
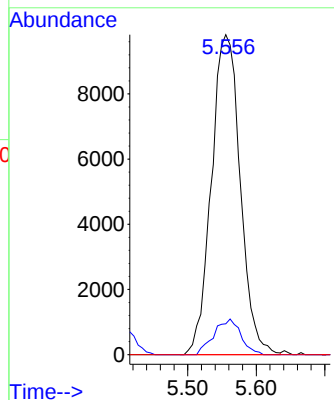
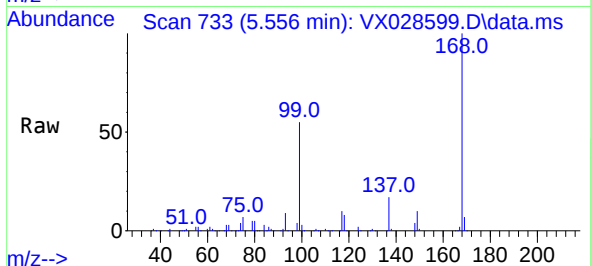




#36
1,1-Dichloropropene
Concen: 4.495 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

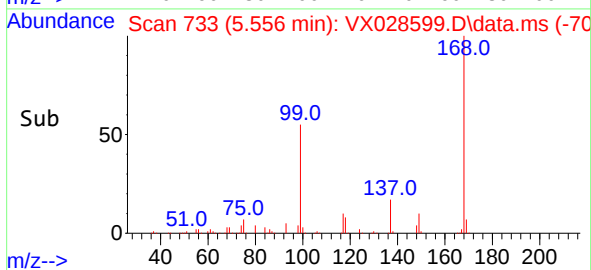
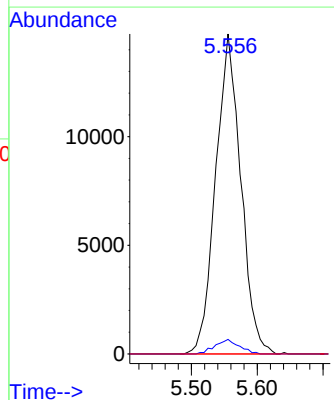
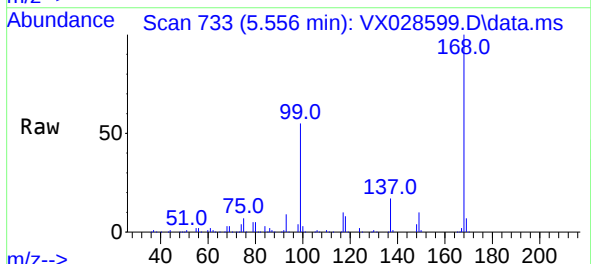
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

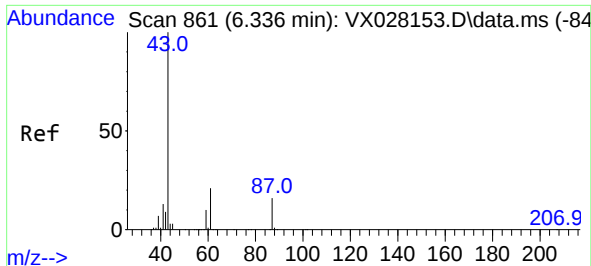
Tgt Ion: 75 Resp: 28655
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.441 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 117 Resp: 39151
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#

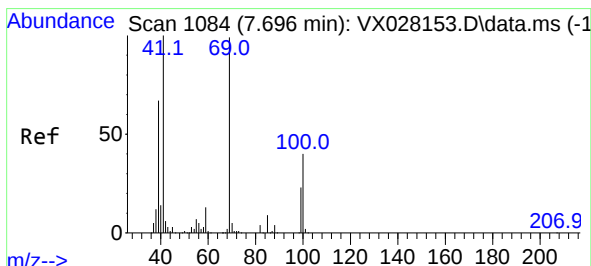
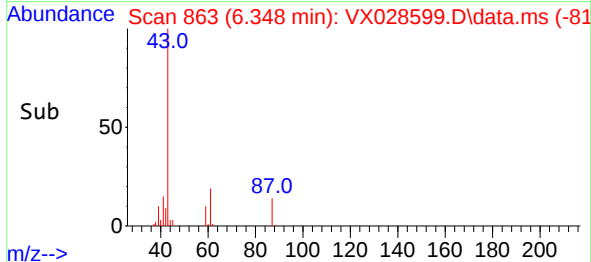
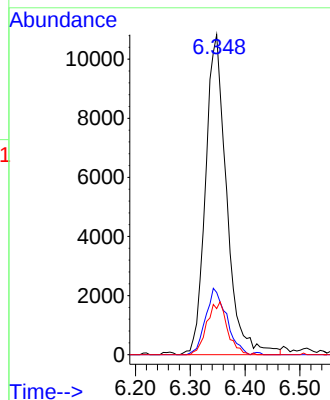
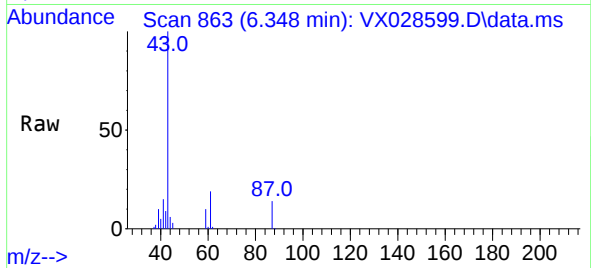




#43
Isopropyl Acetate
Concen: 2.746 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

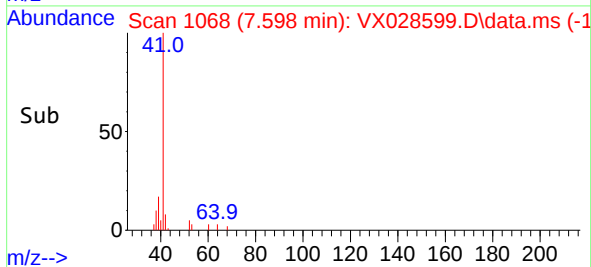
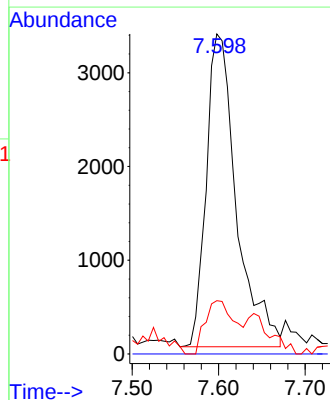
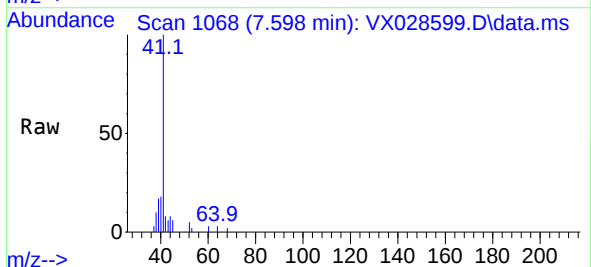
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

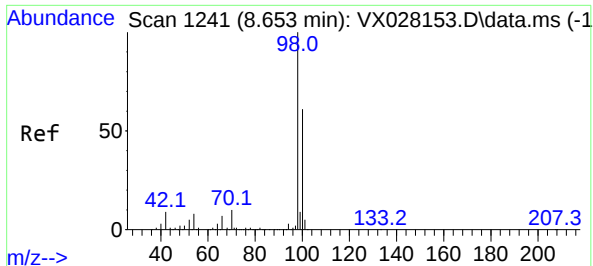
Tgt Ion: 43 Resp: 28903
Ion Ratio Lower Upper
43 100
61 20.7 18.5 27.7
87 16.0 13.0 19.6



#48
Methyl methacrylate
Concen: 1.668 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 41 Resp: 8063
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#

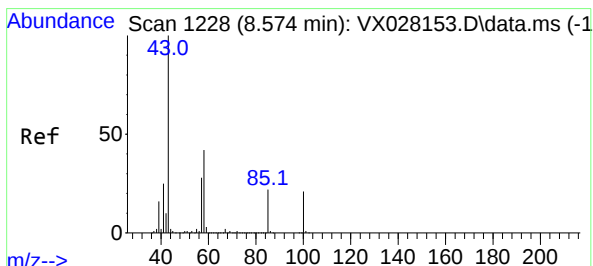
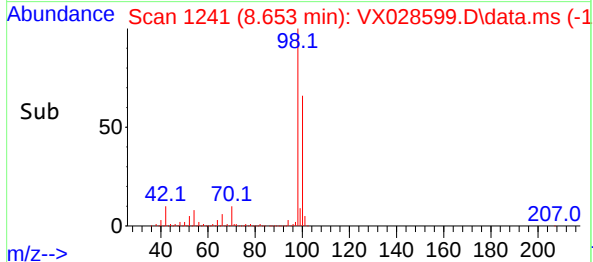
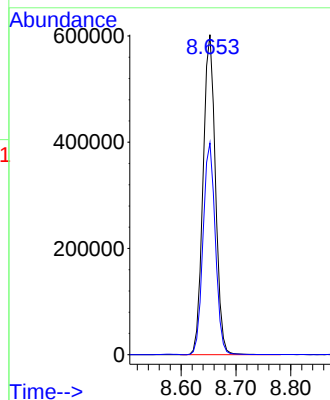
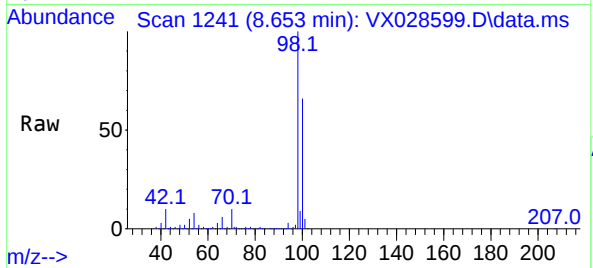




#50
Toluene-d8
Concen: 50.159 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

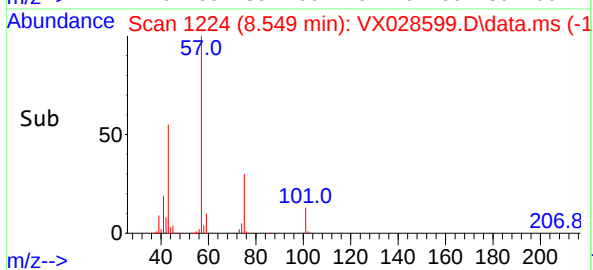
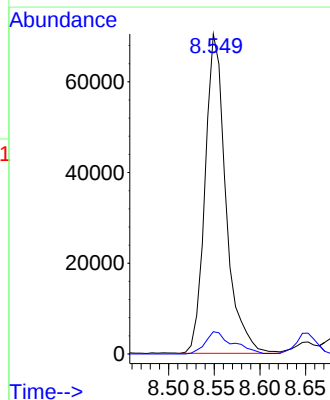
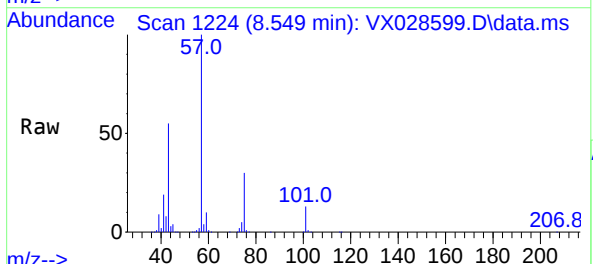
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

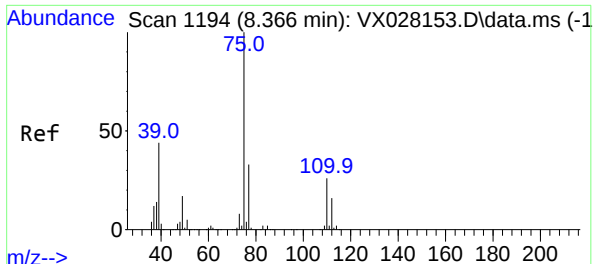
Tgt Ion: 98 Resp: 941466
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.525 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 43 Resp: 111633
Ion Ratio Lower Upper
43 100
58 9.2 36.1 54.1#

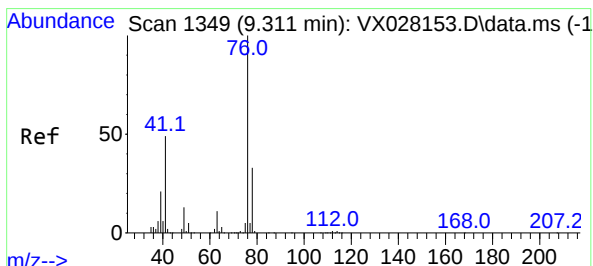
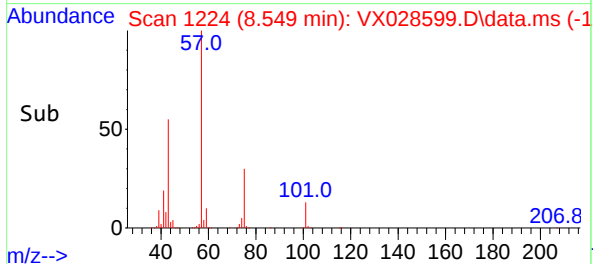
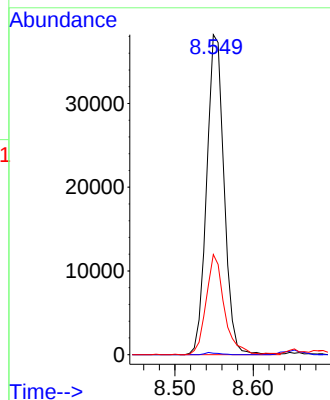
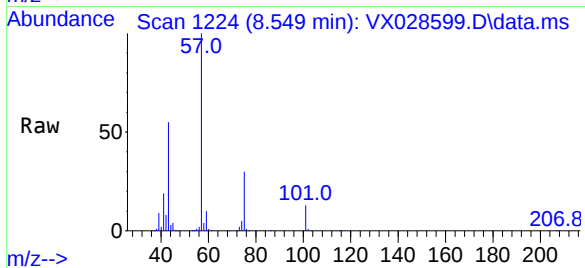




#54
cis-1,3-Dichloropropene
Concen: 7.487 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

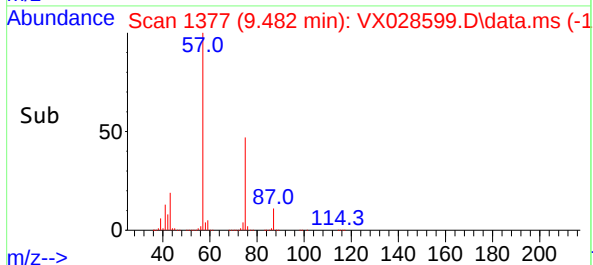
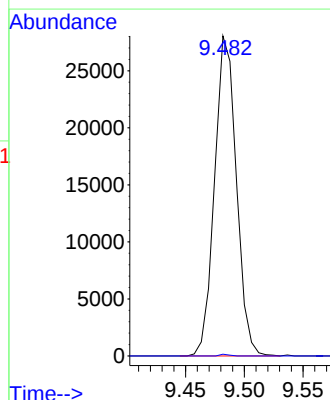
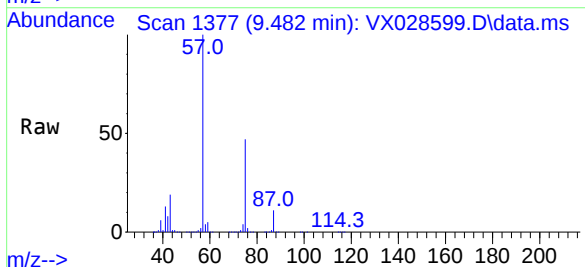
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

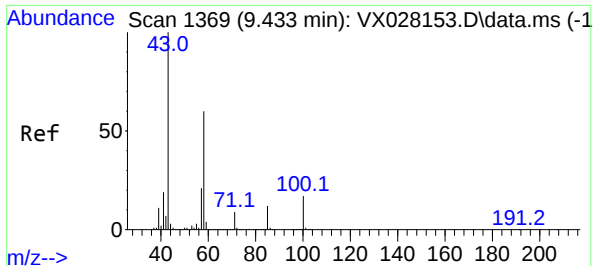
Tgt Ion: 75 Resp: 58837
Ion Ratio Lower Upper
75 100
77 0.4 24.8 37.2#
39 31.3 29.6 44.4



#57
1,3-Dichloropropane
Concen: 4.261 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 76 Resp: 36223
Ion Ratio Lower Upper
76 100
78 0.2 25.8 38.8#





#59

2-Hexanone

Concen: 78.561 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028599.D

Acq: 10 May 2022 17:09

Instrument :

MSVOA_X

ClientSampleId :

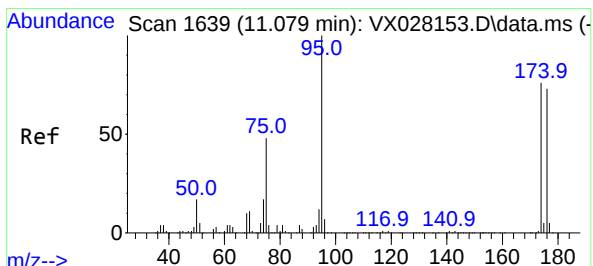
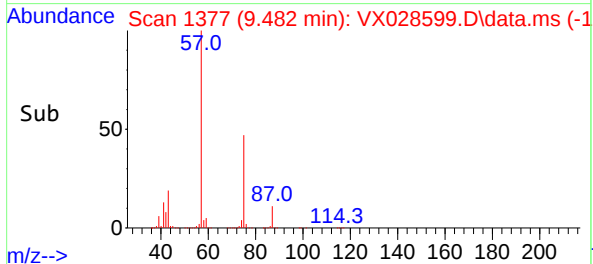
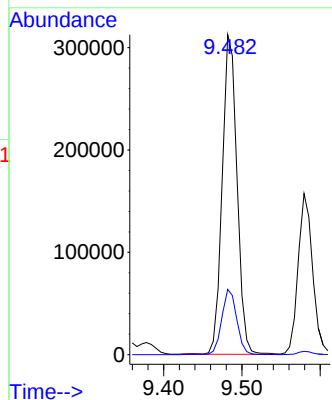
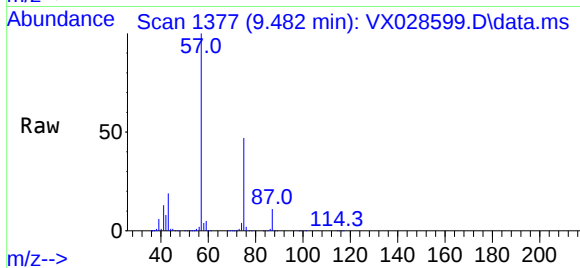
MH-31S

Tgt Ion: 43 Resp: 411085

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 48.689 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX028599.D

Acq: 10 May 2022 17:09

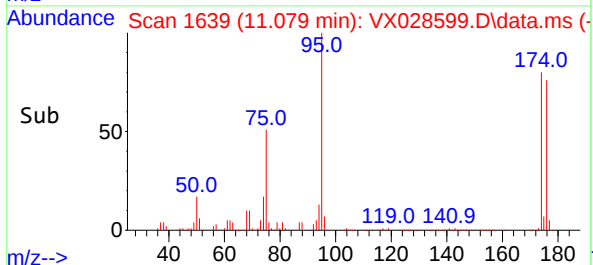
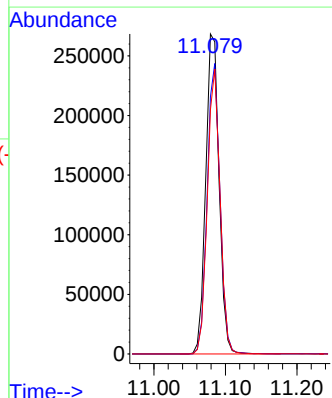
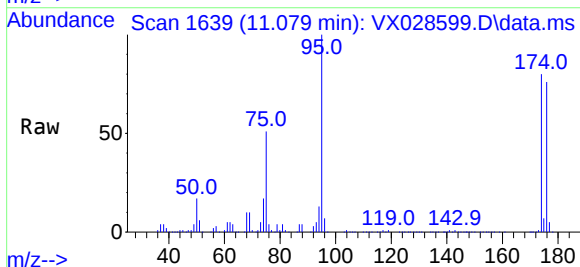
Tgt Ion: 95 Resp: 349425

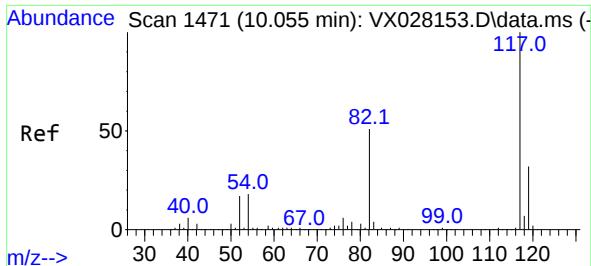
Ion Ratio Lower Upper

95 100

174 87.2 0.0 163.0

176 84.9 0.0 155.0

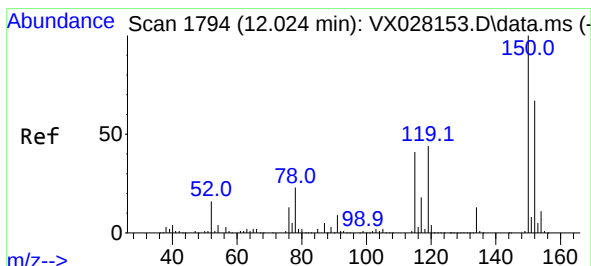
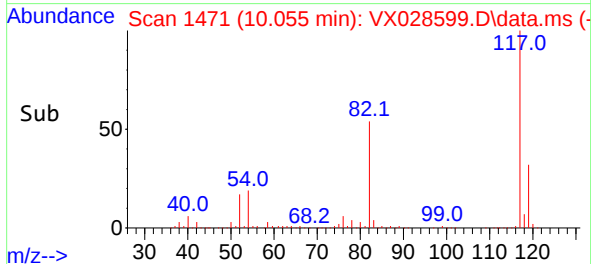
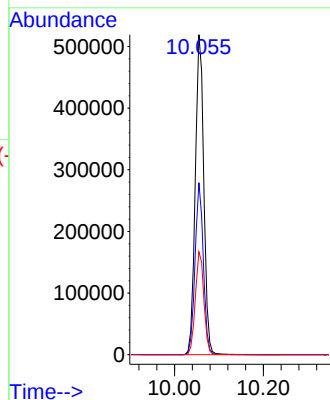
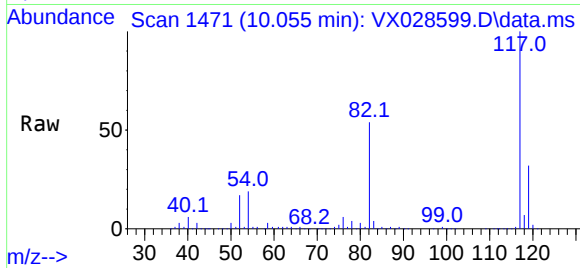




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

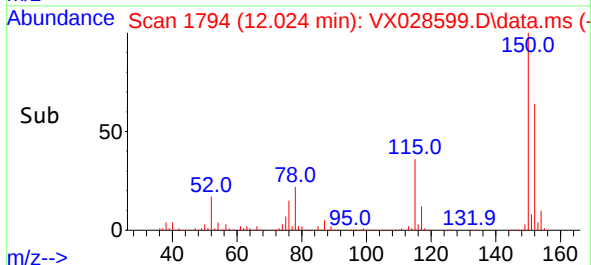
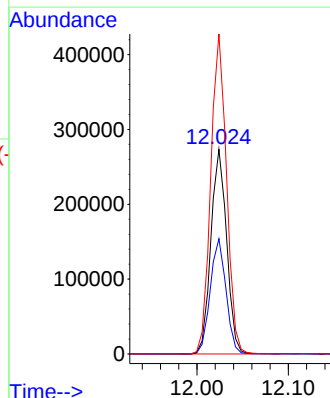
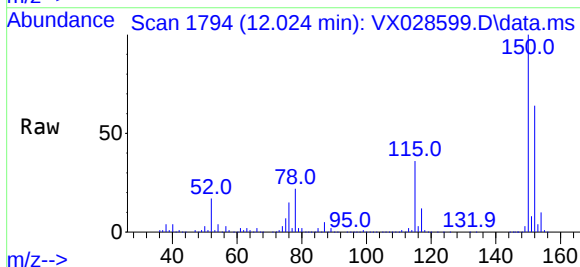
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

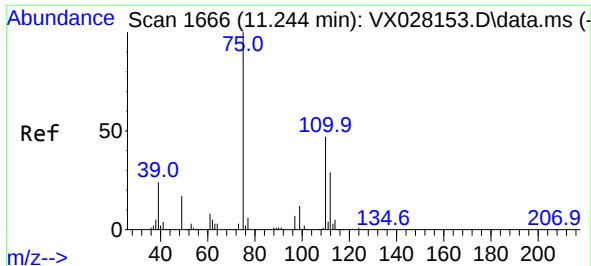
Tgt Ion:117 Resp: 686722
Ion Ratio Lower Upper
117 100
82 53.7 41.8 62.8
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion:152 Resp: 327277
Ion Ratio Lower Upper
152 100
115 56.3 37.5 112.7
150 156.4 0.0 338.2

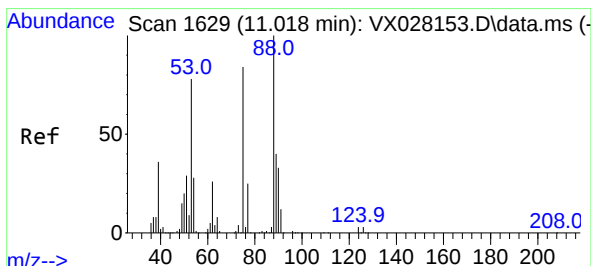
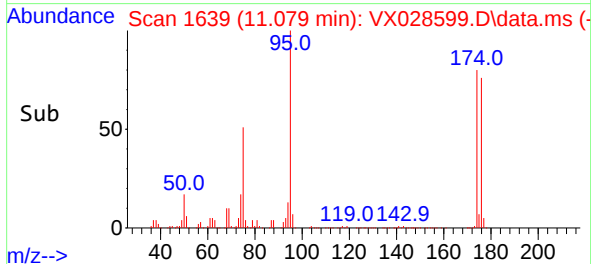
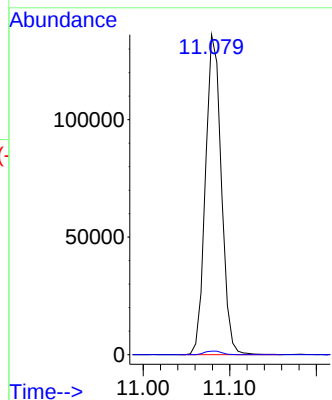
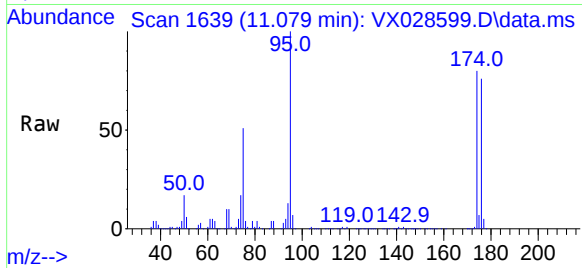




#76
1,2,3-Trichloropropane
Concen: 26.884 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

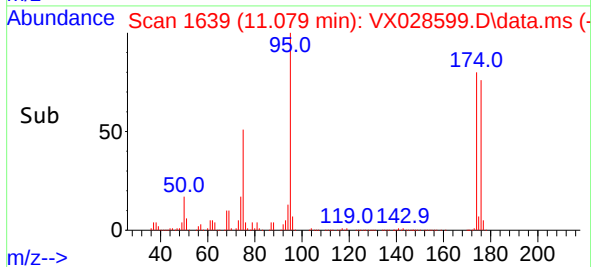
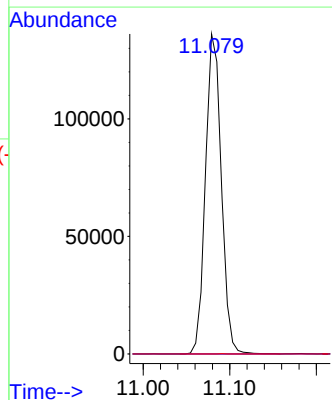
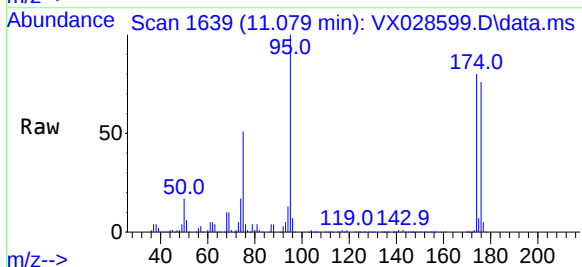
Instrument :
MSVOA_X
ClientSampleId :
MH-31S

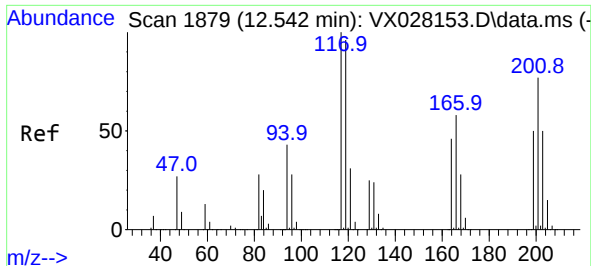
Tgt Ion: 75 Resp: 173161
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.892 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Tgt Ion: 75 Resp: 173161
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#90
Hexachloroethane
Concen: 1.819 ug/l
RT: 12.329 min Scan# 11
Delta R.T. -0.213 min
Lab File: VX028599.D
Acq: 10 May 2022 17:09

Instrument :
MSVOA_X
ClientSampleId :
MH-31S

Tgt Ion:117 Resp: 21
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

