

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028605.D
 Acq On : 10 May 2022 19:28
 Operator : JC/MD
 Sample : N2749-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5

Quant Time: May 11 07:04:29 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	389832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	667959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	663858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	328717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	269834	53.086	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.180%	
35) Dibromofluoromethane	5.391	113	247635	52.864	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.720%	
50) Toluene-d8	8.653	98	912296	50.707	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.420%	
62) 4-Bromofluorobenzene	11.079	95	346544	50.375	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	390	Below Cal	#	83
5) Bromomethane	1.611	94	735	Below Cal		98
6) Chloroethane	1.557	64	1734	Below Cal	#	59
8) Diethyl Ether	2.148	74	25	Below Cal	#	1
10) Methyl Iodide	2.459	142	117	5.259	ug/l #	41
11) Tert butyl alcohol	2.940	59	4885	Below Cal	#	74
16) Acetone	2.380	43	41403	25.415	ug/l	95
18) Methyl Acetate	2.709	43	2322	0.514	ug/l	99
20) Methylene Chloride	2.788	84	29212	7.746	ug/l	96
25) 2-Butanone	4.568	43	7460	2.478	ug/l	99
29) Tetrahydrofuran	5.031	42	990	0.504	ug/l #	59
31) Cyclohexane	5.550	56	7076	1.143	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	27509	4.502	ug/l #	49
38) Carbon Tetrachloride	5.556	117	37246	5.400	ug/l #	14
43) Isopropyl Acetate	6.348	43	27412	2.717	ug/l	97
48) Methyl methacrylate	7.598	41	8061	1.740	ug/l #	7
49) 1,4-Dioxane	7.799	88	289	2.332	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	101667	15.701	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	53823	7.145	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	30281	3.716	ug/l #	43
59) 2-Hexanone	9.482	43	346282	69.038	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	170631	26.375	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	170631	78.380	ug/l #	15
90) Hexachloroethane	12.268	117	21	1.819	ug/l #	10

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

Quant Time: May 11 07:04:29 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

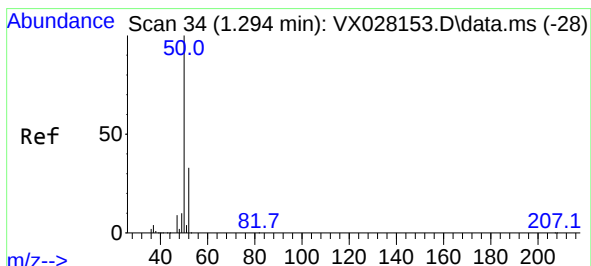
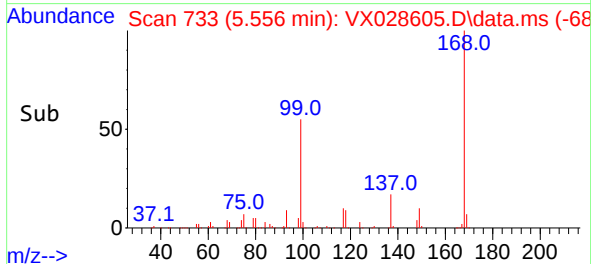
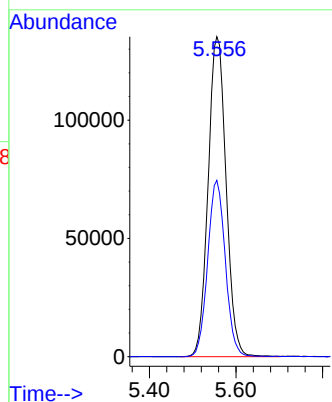
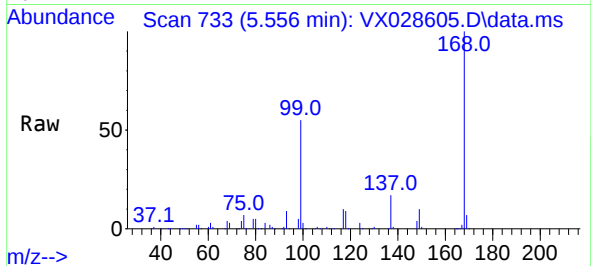




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

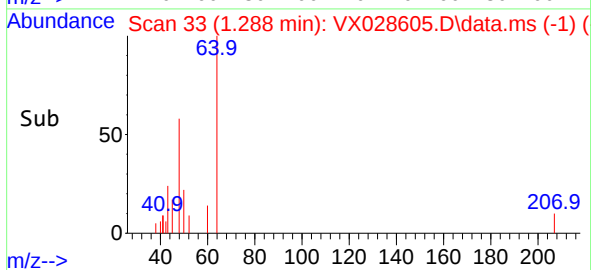
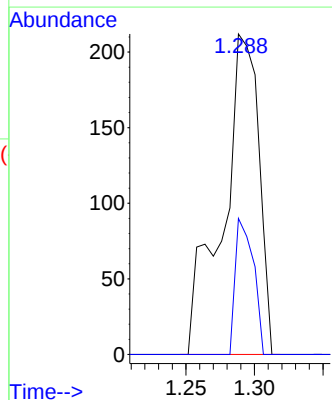
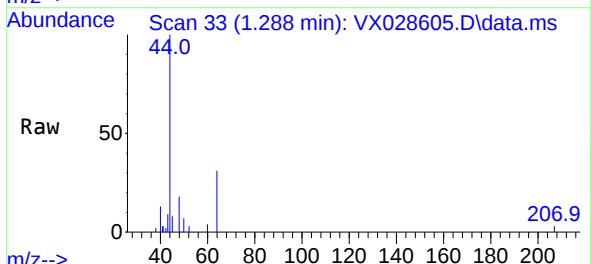
Instrument :
MSVOA_X
ClientSampleId :
TP-5

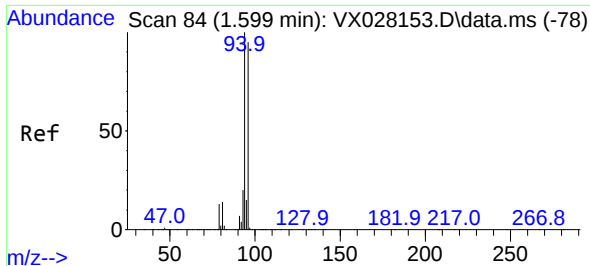
Tgt Ion:168 Resp: 389832
Ion Ratio Lower Upper
168 100
99 55.1 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Tgt Ion: 50 Resp: 390
Ion Ratio Lower Upper
50 100
52 42.5 26.4 39.6#

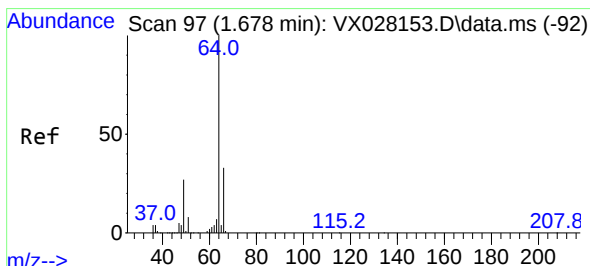
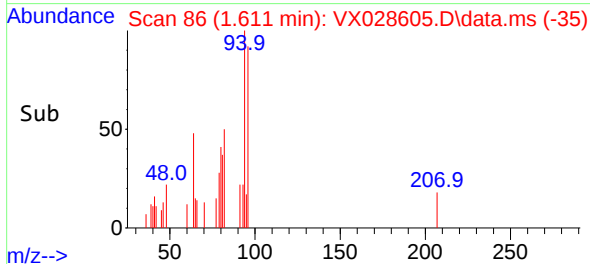
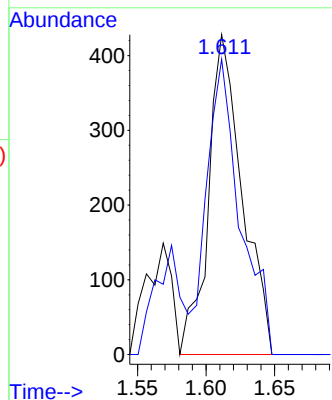
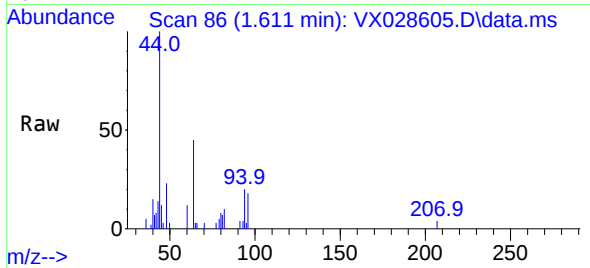




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

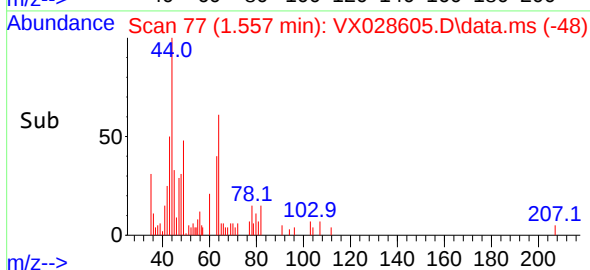
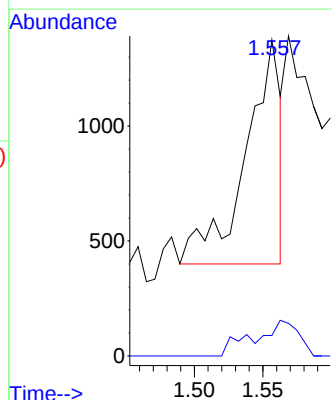
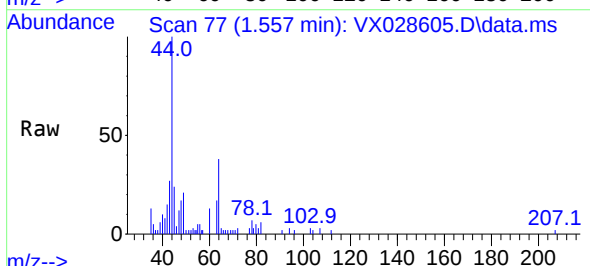
Instrument :
MSVOA_X
ClientSampleId :
TP-5

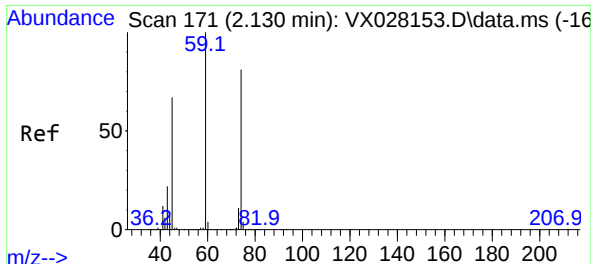
Tgt Ion: 94 Resp: 735
Ion Ratio Lower Upper
94 100
96 92.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.557 min Scan# 77
Delta R.T. -0.121 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Tgt Ion: 64 Resp: 1734
Ion Ratio Lower Upper
64 100
66 9.1 25.3 37.9#

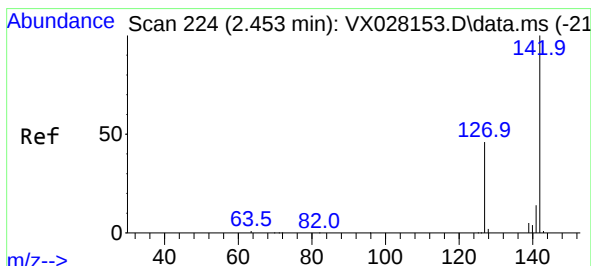
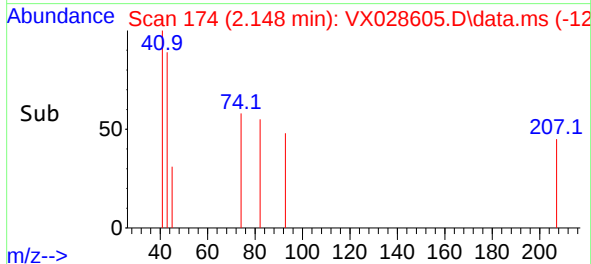
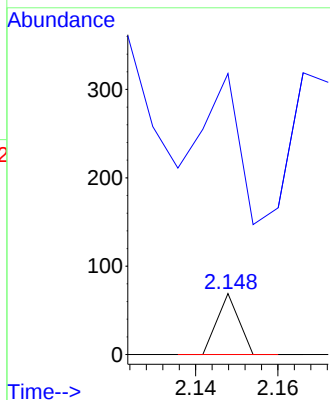
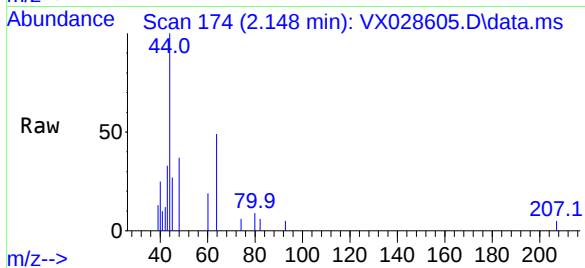




#8
Diethyl Ether
Concen: Below Cal
RT: 2.148 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

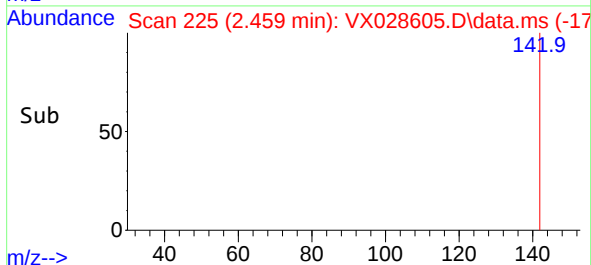
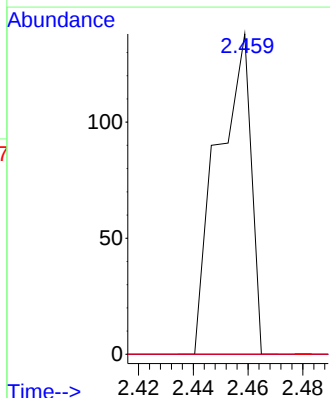
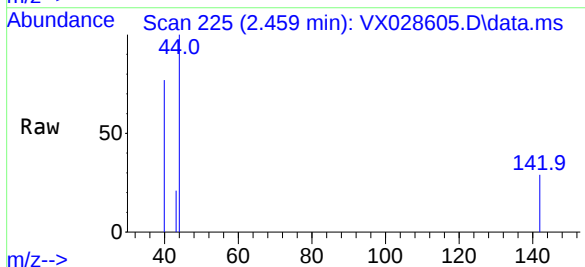
Instrument :
MSVOA_X
ClientSampleId :
TP-5

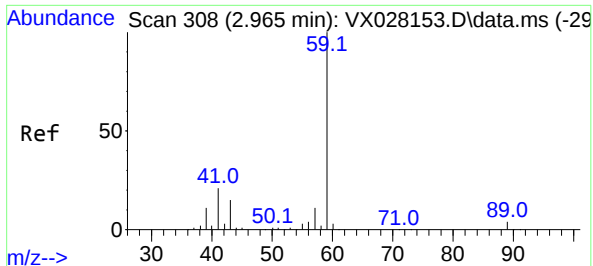
Tgt Ion: 74 Resp: 25
Ion Ratio Lower Upper
74 100
45 820.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.259 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Tgt Ion: 142 Resp: 117
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX028605.D

Acq: 10 May 2022 19:28

Instrument :

MSVOA_X

ClientSampleId :

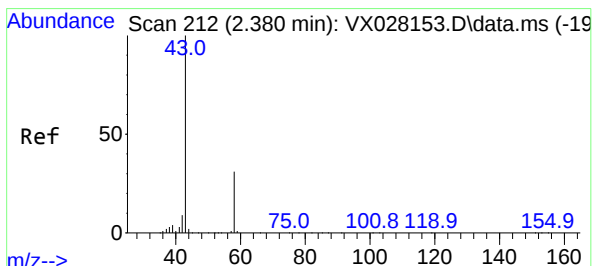
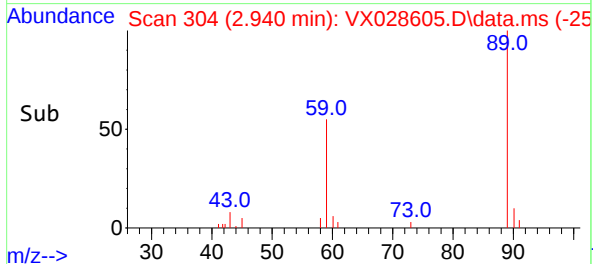
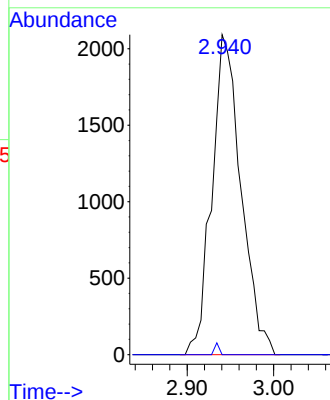
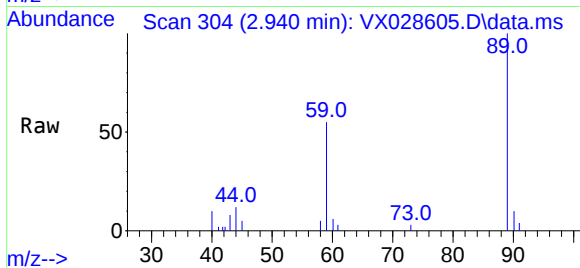
TP-5

Tgt Ion: 59 Resp: 4885

Ion Ratio Lower Upper

59 100

57 0.6 8.3 12.5#



#16

Acetone

Concen: 25.415 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028605.D

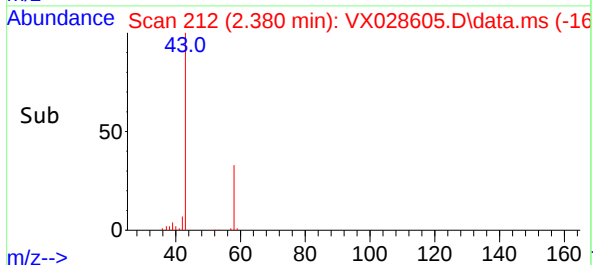
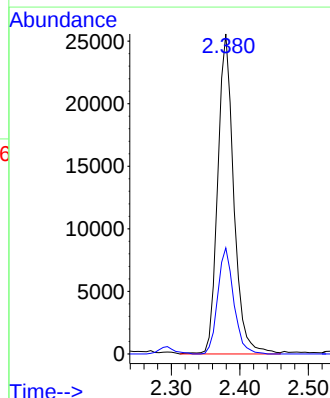
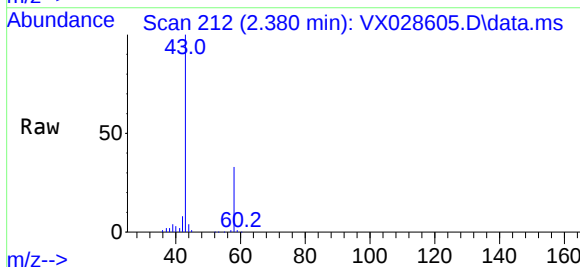
Acq: 10 May 2022 19:28

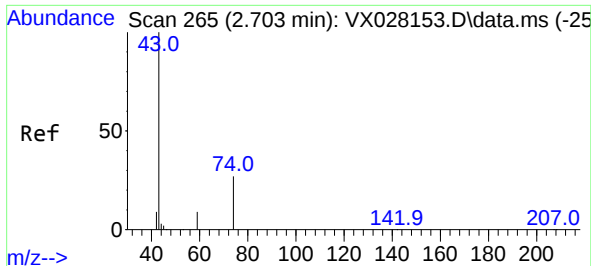
Tgt Ion: 43 Resp: 41403

Ion Ratio Lower Upper

43 100

58 33.1 28.8 43.2





#18

Methyl Acetate

Concen: 0.514 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX028605.D

Acq: 10 May 2022 19:28

Instrument :

MSVOA_X

ClientSampleId :

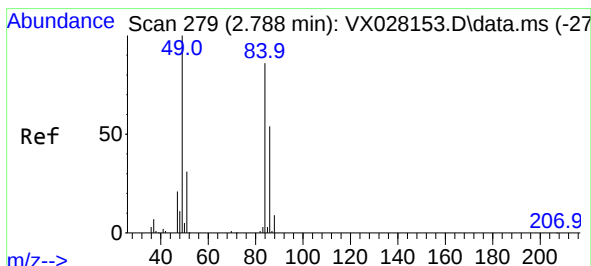
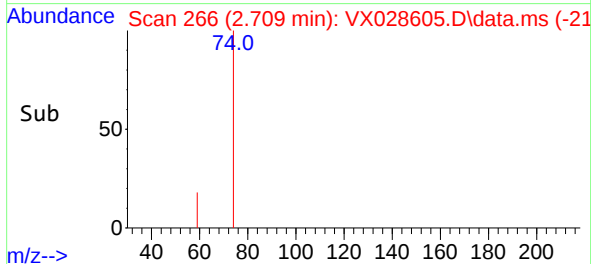
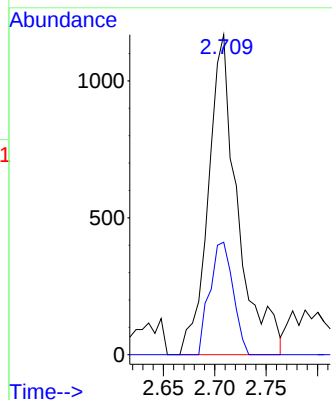
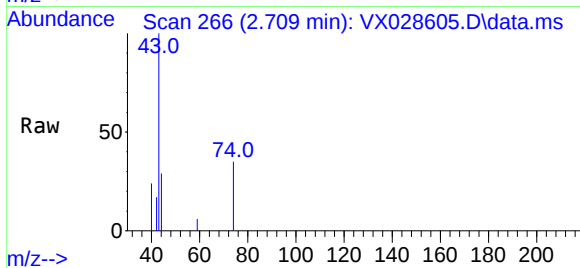
TP-5

Tgt Ion: 43 Resp: 2322

Ion Ratio Lower Upper

43 100

74 27.8 22.8 34.2



#20

Methylene Chloride

Concen: 7.746 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX028605.D

Acq: 10 May 2022 19:28

Tgt Ion: 84 Resp: 29212

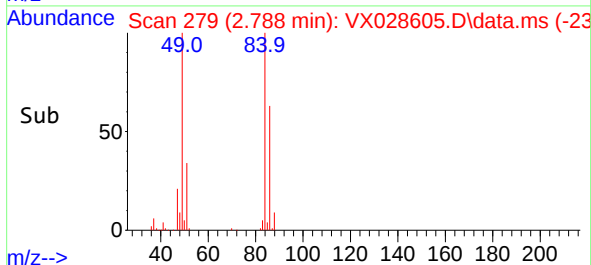
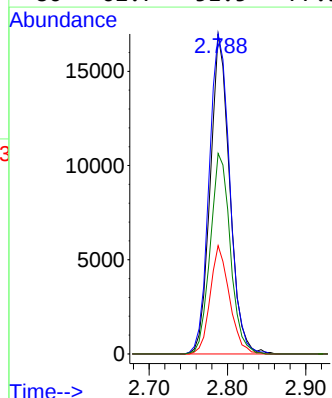
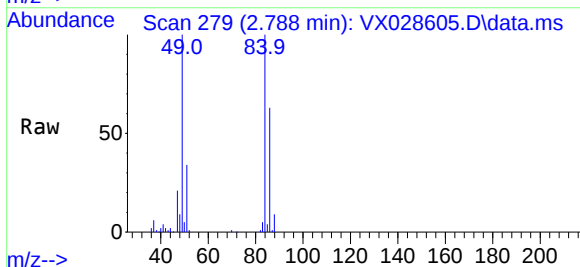
Ion Ratio Lower Upper

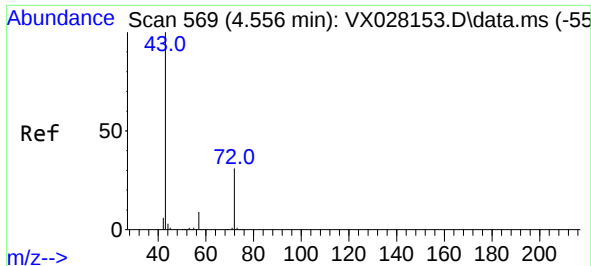
84 100

49 100.1 85.5 128.3

51 33.9 26.6 39.8

86 62.7 51.5 77.3





#25

2-Butanone

Concen: 2.478 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028605.D

Acq: 10 May 2022 19:28

Instrument :

MSVOA_X

ClientSampleId :

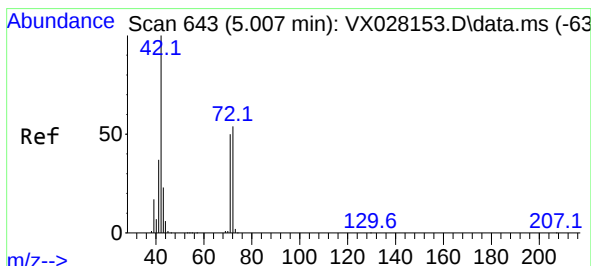
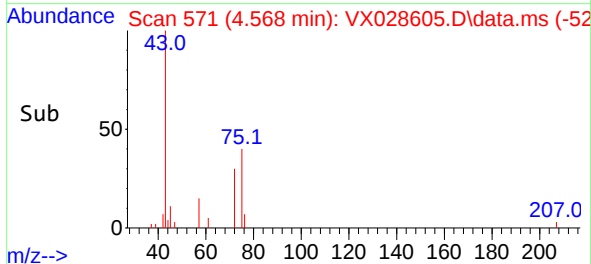
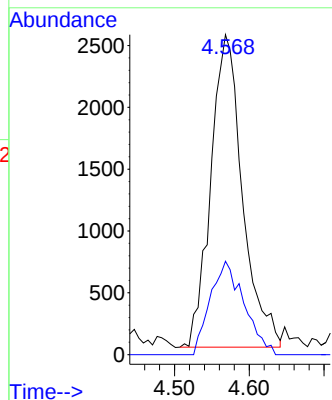
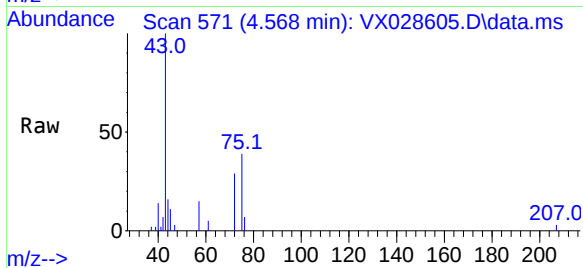
TP-5

Tgt Ion: 43 Resp: 7460

Ion Ratio Lower Upper

43 100

72 29.9 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.504 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX028605.D

Acq: 10 May 2022 19:28

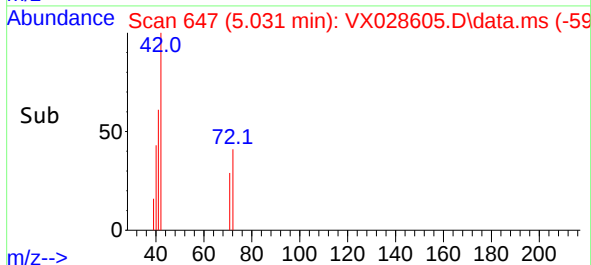
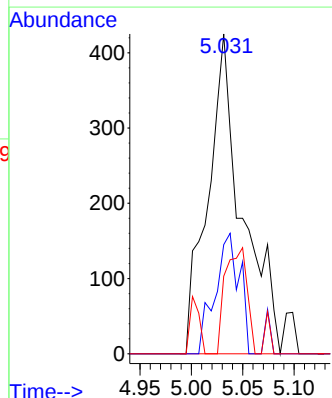
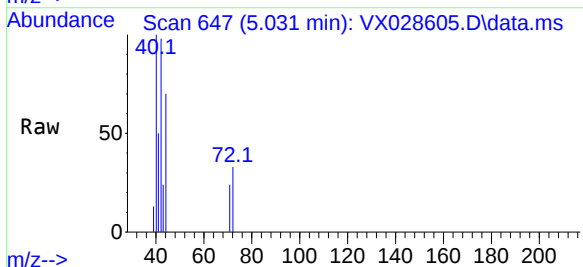
Tgt Ion: 42 Resp: 990

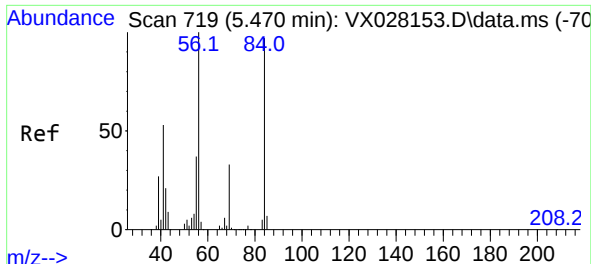
Ion Ratio Lower Upper

42 100

72 26.6 44.1 66.1#

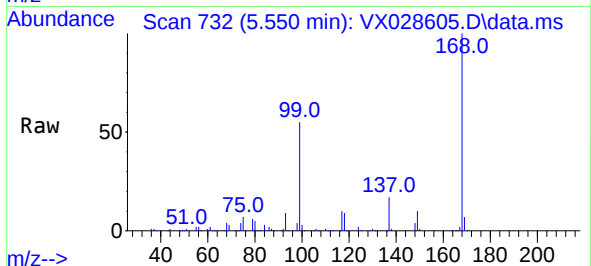
71 20.9 40.5 60.7#



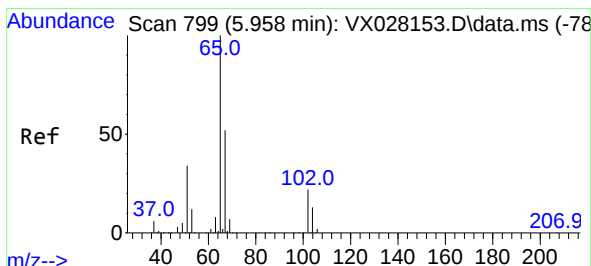
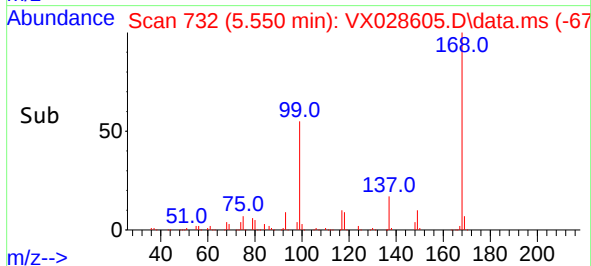
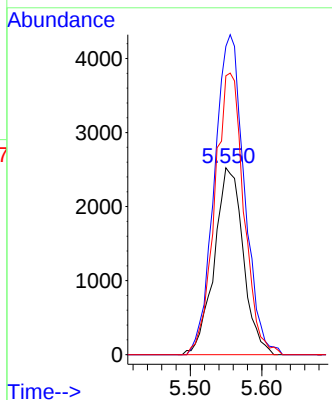


#31
Cyclohexane
Concen: 1.143 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Instrument :
MSVOA_X
ClientSampleId :
TP-5

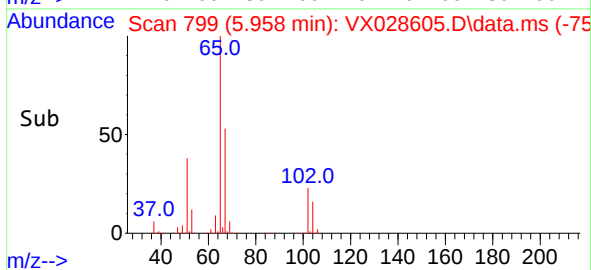
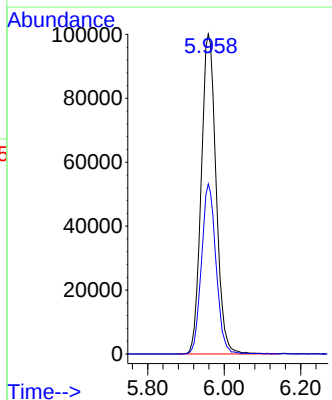
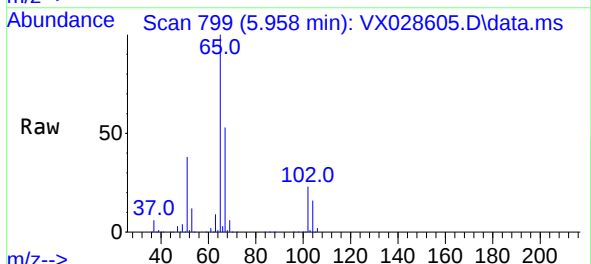


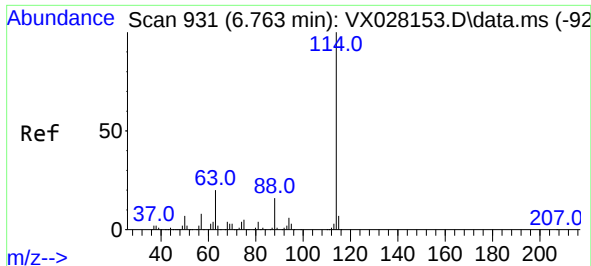
Tgt Ion: 56 Resp: 7076
Ion Ratio Lower Upper
56 100
69 164.9 26.7 40.1#
84 149.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.086 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Tgt Ion: 65 Resp: 269834
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4

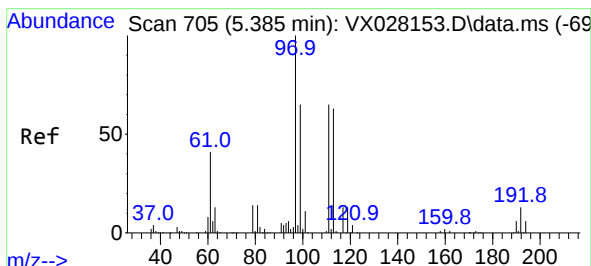
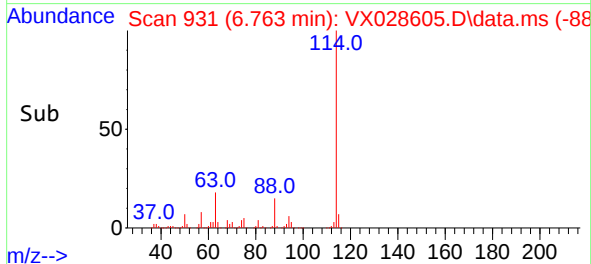
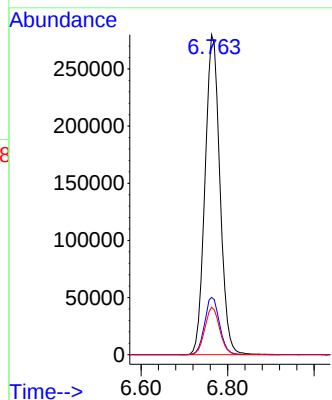
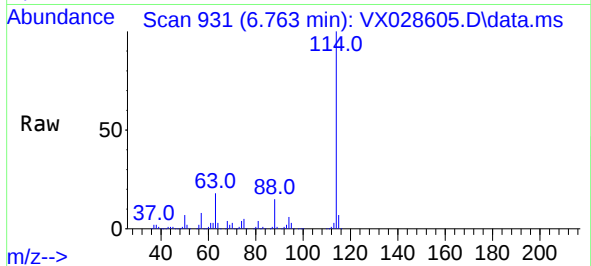




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

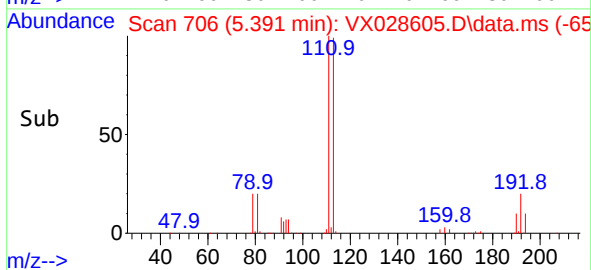
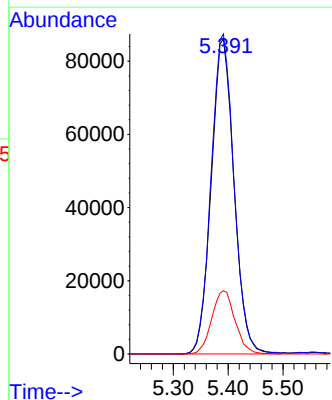
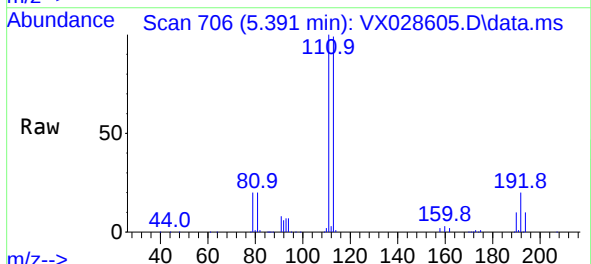
Instrument :
MSVOA_X
ClientSampleId :
TP-5

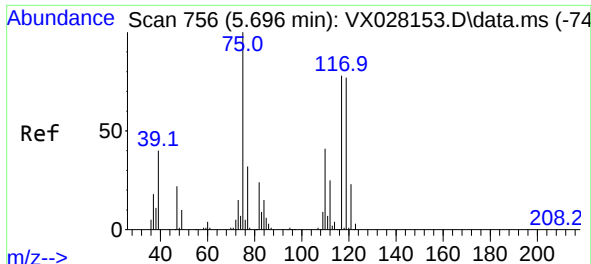
Tgt Ion:114 Resp: 667959
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.8
88 14.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 52.864 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Tgt Ion:113 Resp: 247635
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 20.6 16.9 25.3

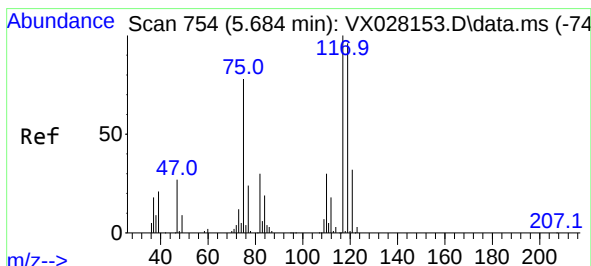
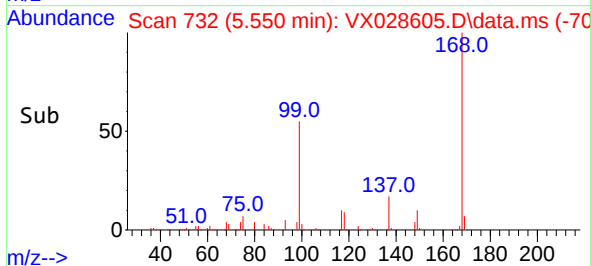
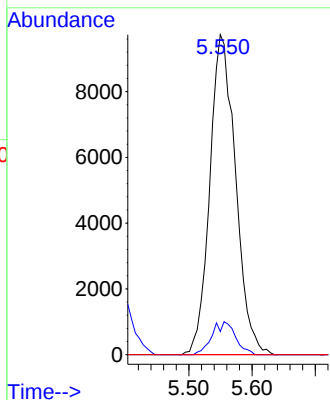
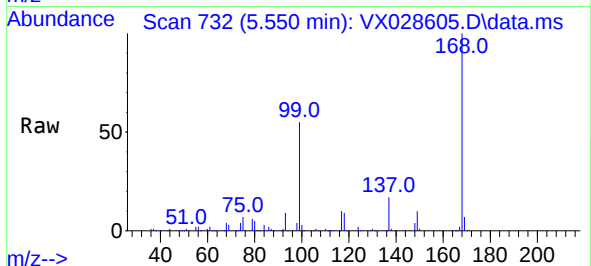




#36
1,1-Dichloropropene
Concen: 4.502 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

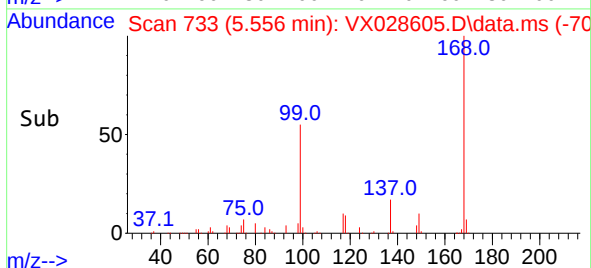
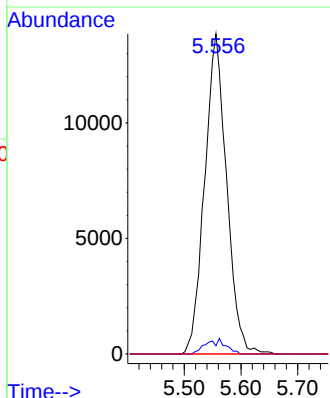
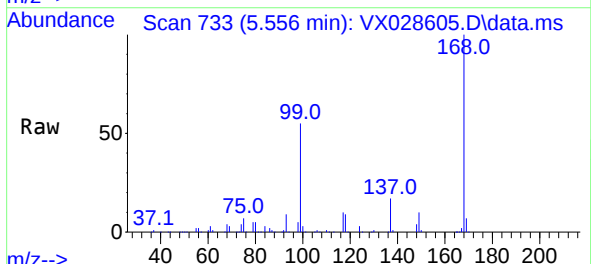
Instrument :
MSVOA_X
ClientSampleId :
TP-5

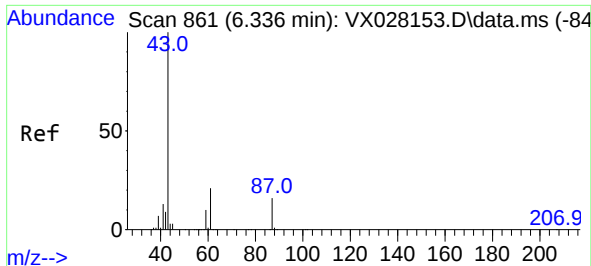
Tgt Ion: 75 Resp: 27509
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.400 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Tgt Ion: 117 Resp: 37246
Ion Ratio Lower Upper
117 100
119 2.5 77.3 115.9#
121 0.0 24.2 36.2#

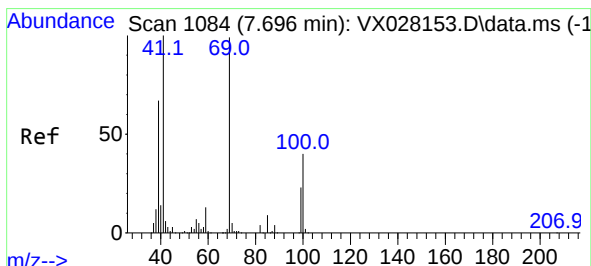
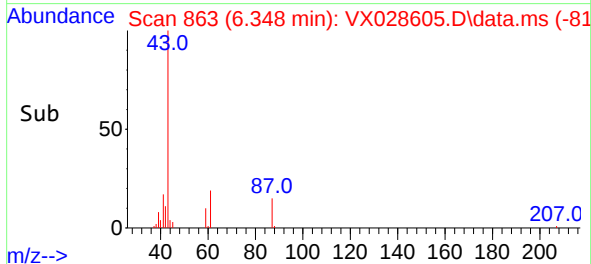
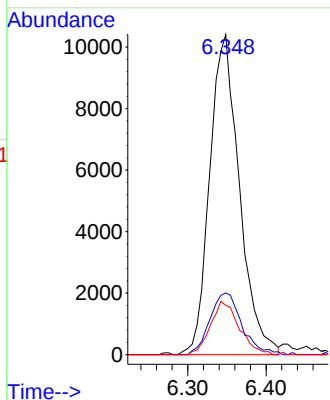
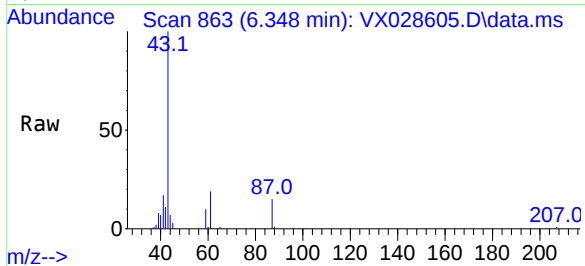




#43
Isopropyl Acetate
Concen: 2.717 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

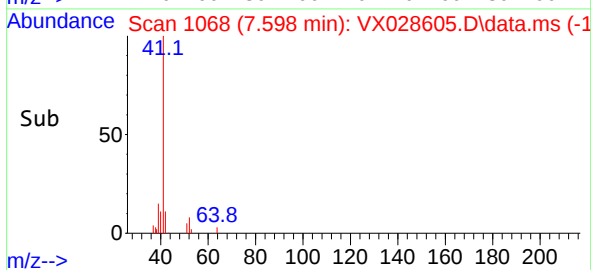
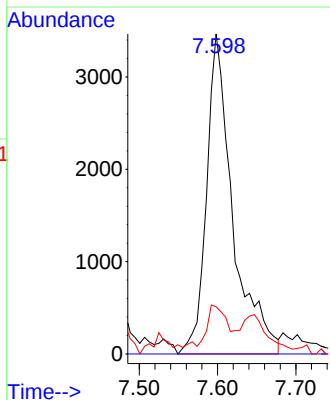
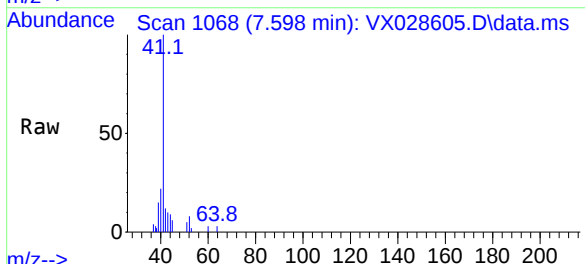
Instrument :
MSVOA_X
ClientSampleId :
TP-5

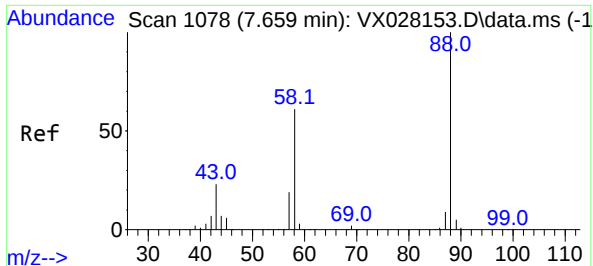
Tgt Ion: 43 Resp: 27412
Ion Ratio Lower Upper
43 100
61 20.7 18.5 27.7
87 16.2 13.0 19.6



#48
Methyl methacrylate
Concen: 1.740 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Tgt Ion: 41 Resp: 8061
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: 2.332 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028605.D

Acq: 10 May 2022 19:28

Instrument :

MSVOA_X

ClientSampleId :

TP-5

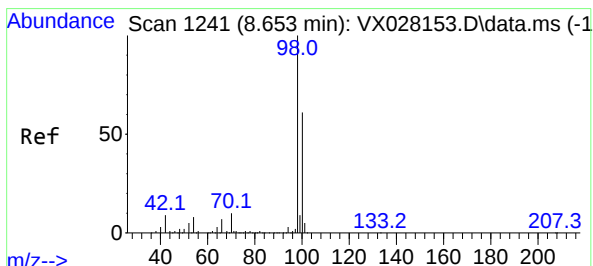
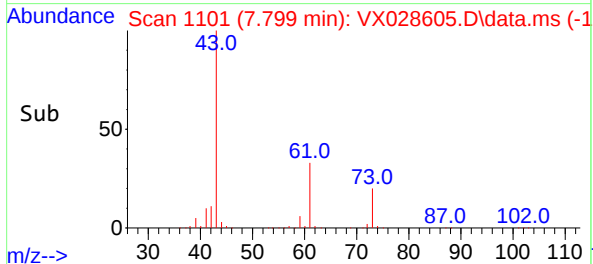
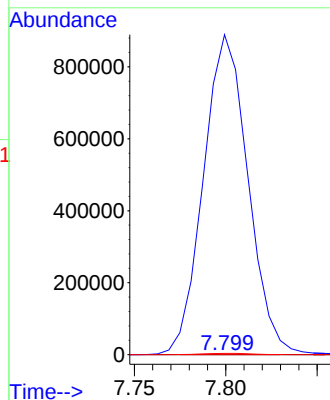
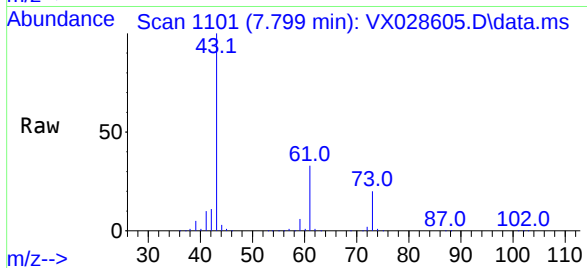
Tgt Ion: 88 Resp: 289

Ion Ratio Lower Upper

88 100

43 526327.7 21.9 32.9#

58 2432.9 53.7 80.5#



#50

Toluene-d8

Concen: 50.707 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028605.D

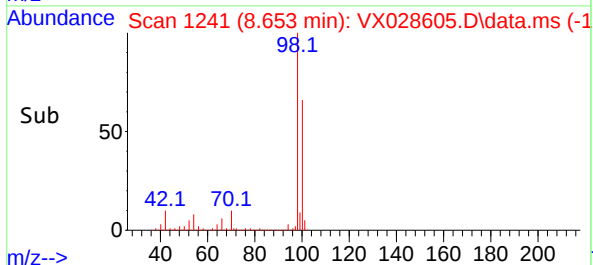
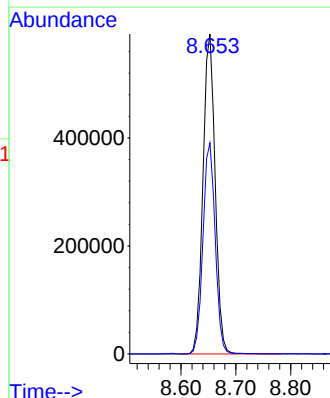
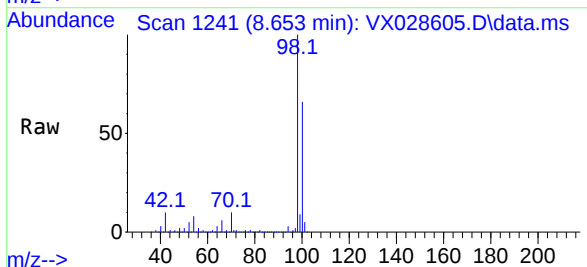
Acq: 10 May 2022 19:28

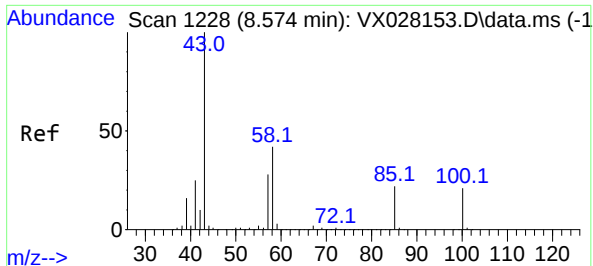
Tgt Ion: 98 Resp: 912296

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 15.701 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028605.D

Acq: 10 May 2022 19:28

Instrument :

MSVOA_X

ClientSampleId :

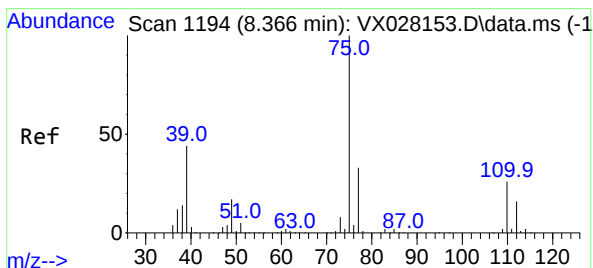
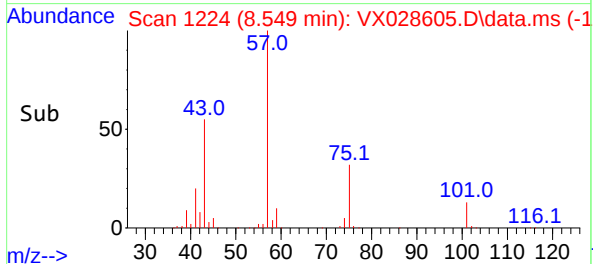
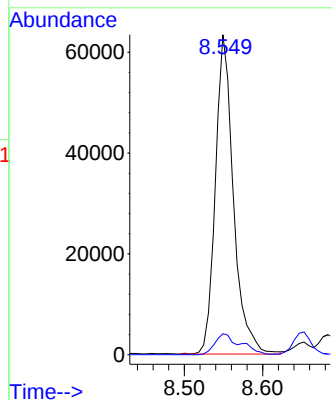
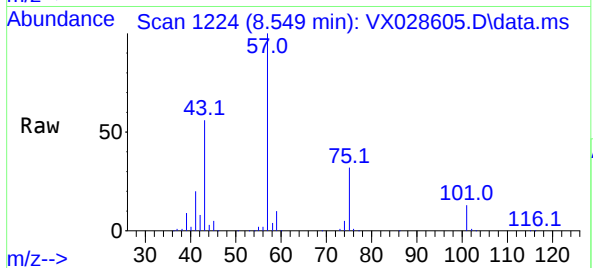
TP-5

Tgt Ion: 43 Resp: 101667

Ion Ratio Lower Upper

43 100

58 9.2 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.145 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028605.D

Acq: 10 May 2022 19:28

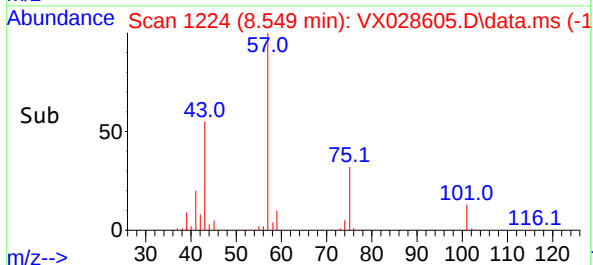
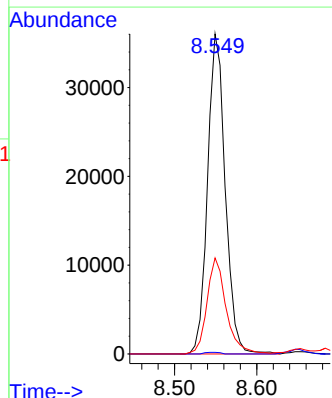
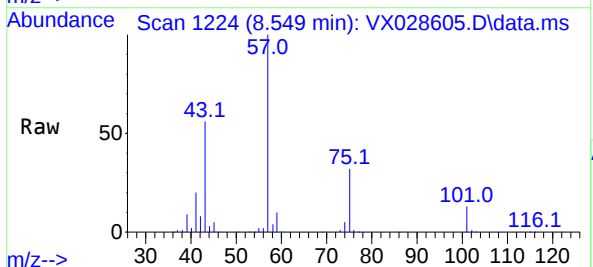
Tgt Ion: 75 Resp: 53823

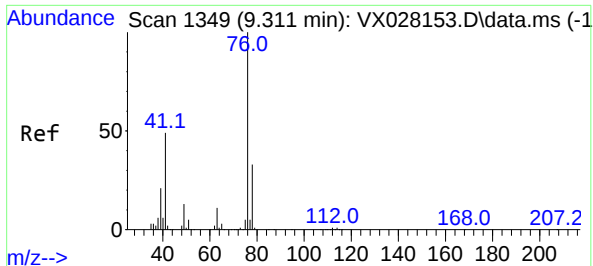
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 30.0 29.6 44.4

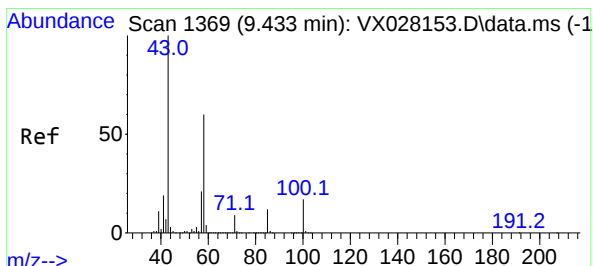
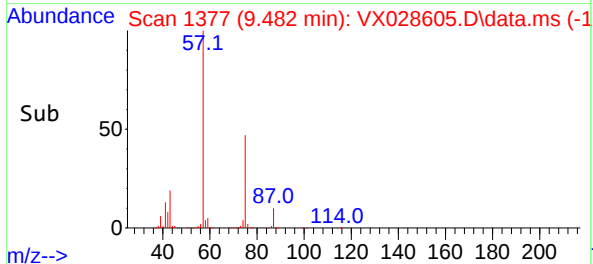
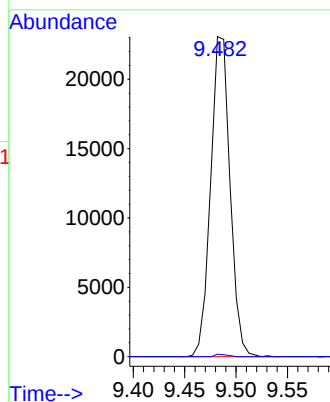
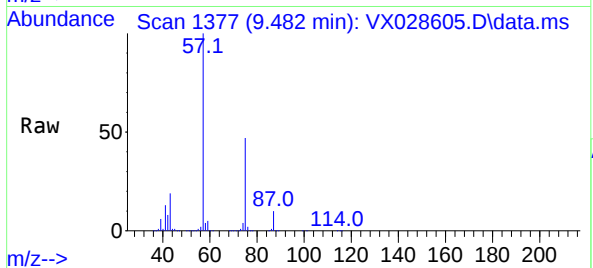




#57
1,3-Dichloropropane
Concen: 3.716 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

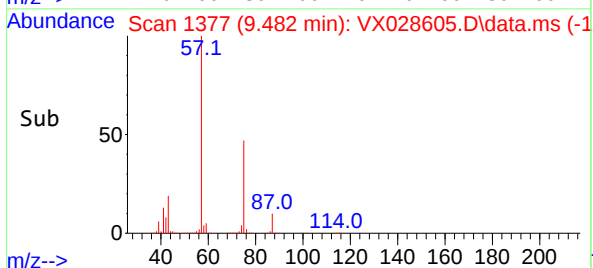
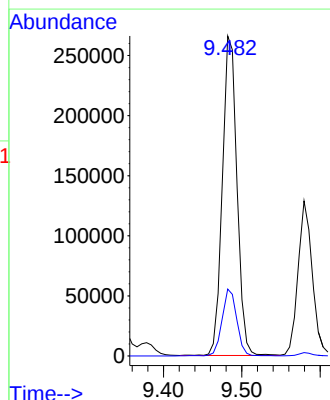
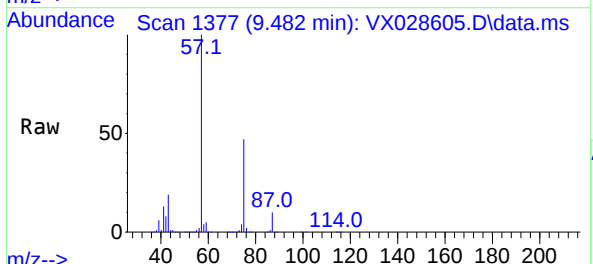
Instrument :
MSVOA_X
ClientSampleId :
TP-5

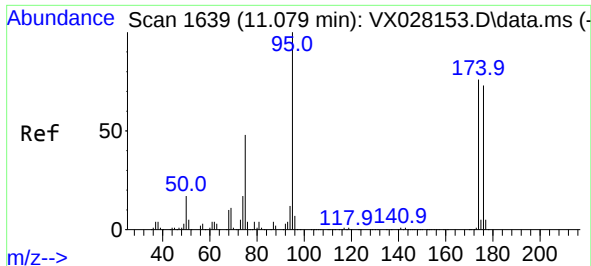
Tgt Ion: 76 Resp: 30281
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#



#59
2-Hexanone
Concen: 69.038 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Tgt Ion: 43 Resp: 346282
Ion Ratio Lower Upper
43 100
58 21.1 31.9 95.7#

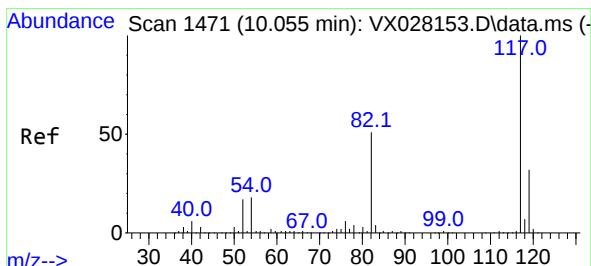
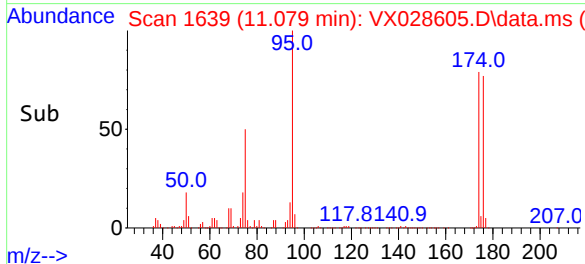
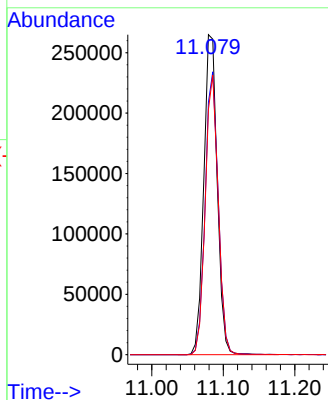
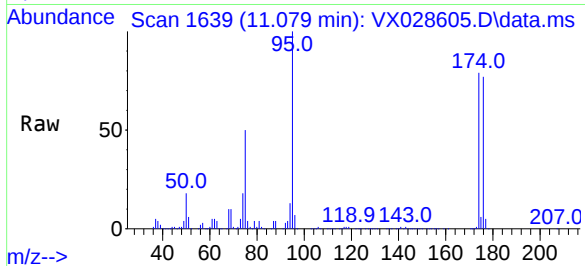




#62
4-Bromofluorobenzene
Concen: 50.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

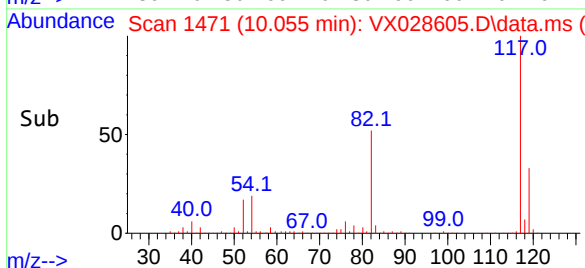
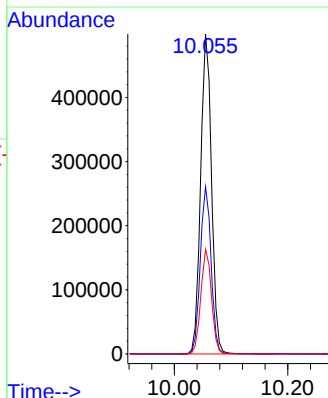
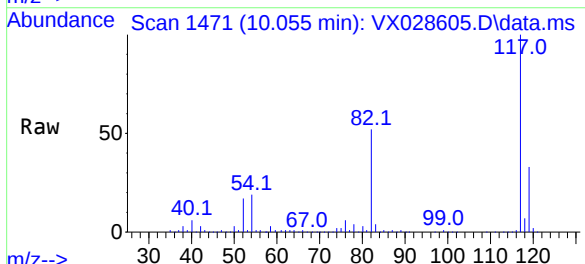
Instrument :
MSVOA_X
ClientSampleId :
TP-5

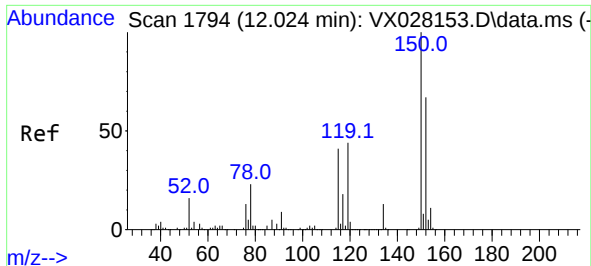
Tgt Ion: 95 Resp: 346544
Ion Ratio Lower Upper
95 100
174 85.8 0.0 163.0
176 84.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

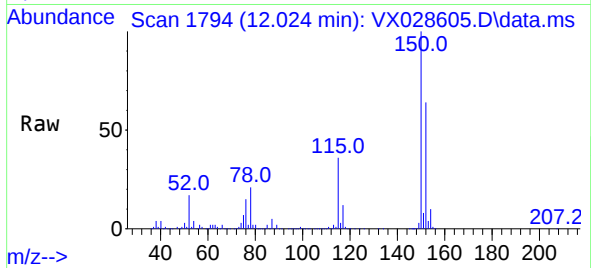
Tgt Ion: 117 Resp: 663858
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.7 24.8 37.2



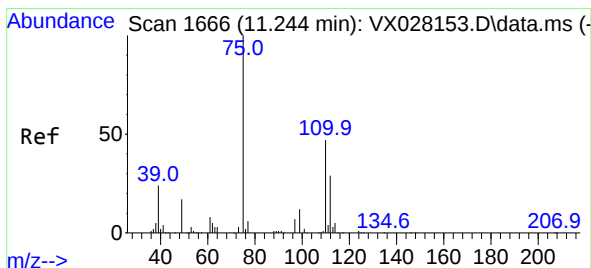
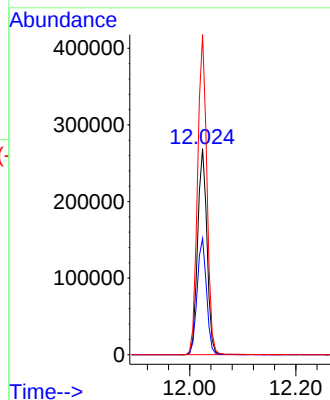
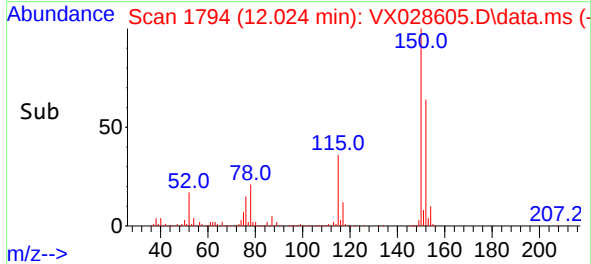


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028605.D
 Acq: 10 May 2022 19:28

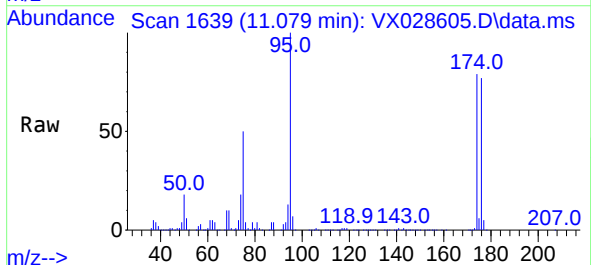
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5



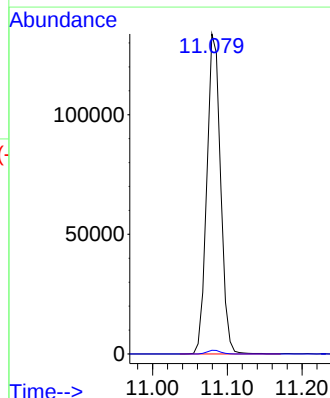
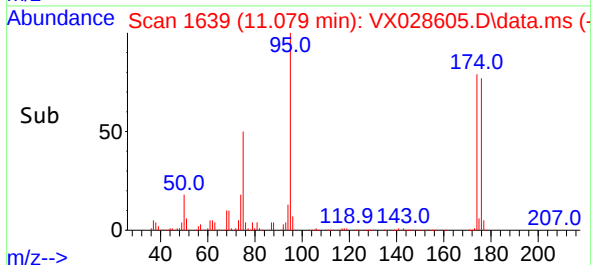
Tgt Ion:152 Resp: 328717
 Ion Ratio Lower Upper
 152 100
 115 56.4 37.5 112.7
 150 154.8 0.0 338.2

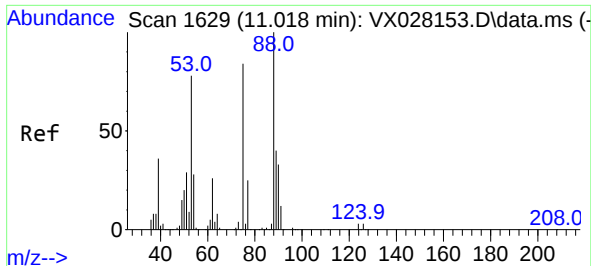


#76
 1,2,3-Trichloropropane
 Concen: 26.375 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028605.D
 Acq: 10 May 2022 19:28



Tgt Ion: 75 Resp: 170631
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

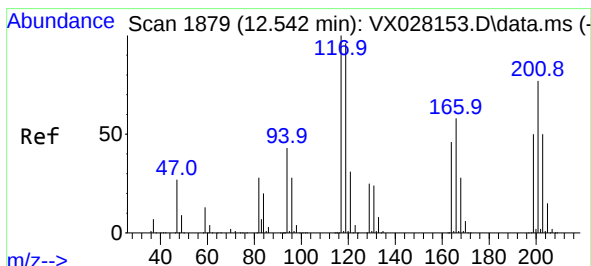
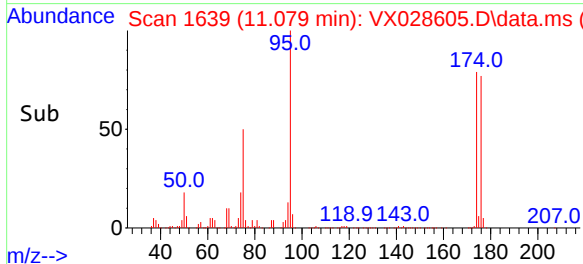
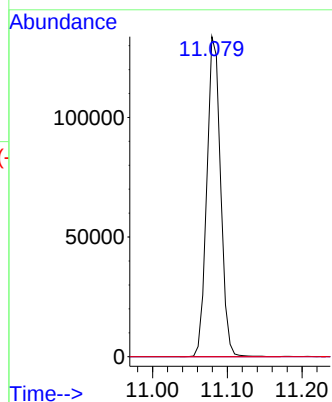
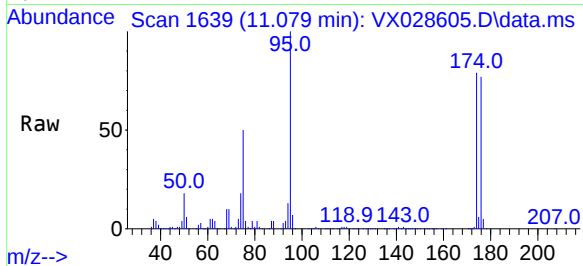




#81
trans-1,4-Dichloro-2-butene
Concen: 78.380 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

Instrument :
MSVOA_X
ClientSampleId :
TP-5

Tgt Ion: 75 Resp: 170631
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: 12.268 min Scan# 1834
Delta R.T. -0.274 min
Lab File: VX028605.D
Acq: 10 May 2022 19:28

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

