

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025561.D
 Acq On : 06 Dec 2021 20:02
 Operator : JC/MD
 Sample : PB141182ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141182ZHE#11

Quant Time: Dec 07 06:05:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

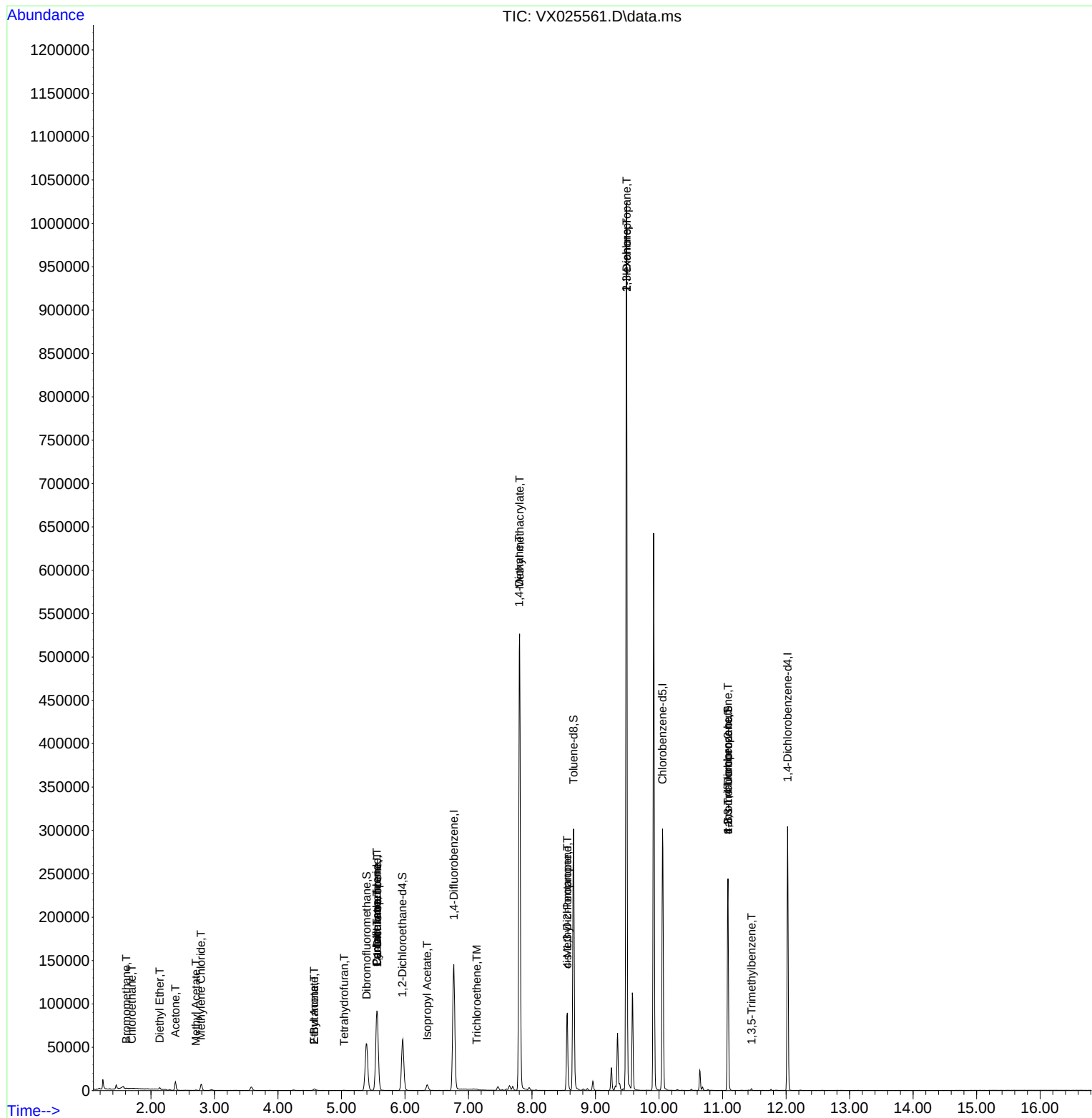
Internal Standards						
1) Pentafluorobenzene	5.556	168	93602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	154083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54792	55.535	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.060%	
35) Dibromofluoromethane	5.397	113	46616	49.308	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.620%	
50) Toluene-d8	8.653	98	180303	50.724	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.440%	
62) 4-Bromofluorobenzene	11.085	95	62697	46.624	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.240%	
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	218	0.460	ug/l	97
6) Chloroethane	1.697	64	188	0.247	ug/l #	43
8) Diethyl Ether	2.135	74	541	0.801	ug/l #	32
11) Tert butyl alcohol	2.965	59	939	Below Cal	#	72
16) Acetone	2.385	43	10267	18.728	ug/l	91
18) Methyl Acetate	2.709	43	668	0.381	ug/l #	78
20) Methylene Chloride	2.788	84	3357	3.257	ug/l	93
25) 2-Butanone	4.568	43	2891	3.647	ug/l	92
29) Tetrahydrofuran	5.043	42	315	0.642	ug/l #	37
31) Cyclohexane	5.556	56	1738	1.140	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	6677	4.967	ug/l #	49
37) Ethyl Acetate	4.568	43	2891	1.890	ug/l #	68
38) Carbon Tetrachloride	5.556	117	8938	6.036	ug/l #	17
43) Isopropyl Acetate	6.348	43	8723	3.427	ug/l	97
44) Trichloroethene	7.128	130	266	0.225	ug/l	98
48) Methyl methacrylate	7.805	41	45559	38.137	ug/l #	44
49) 1,4-Dioxane	7.799	88	19	0.753	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	30508	19.114	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	14685	8.538	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	8900	5.082	ug/l #	42
59) 2-Hexanone	9.488	43	116603	92.665	ug/l #	53
76) 1,2,3-Trichloropropane	11.085	75	31118	24.123	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.457	105	1105	0.293	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.085	75	31118	60.769	ug/l #	9

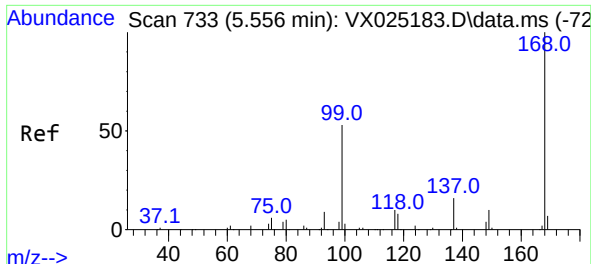
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
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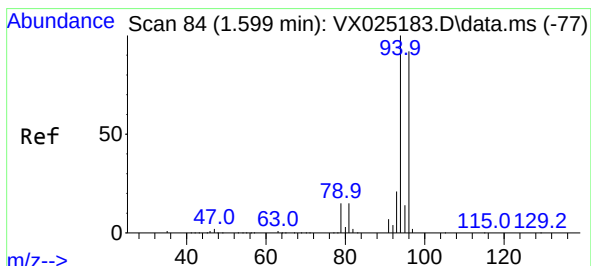
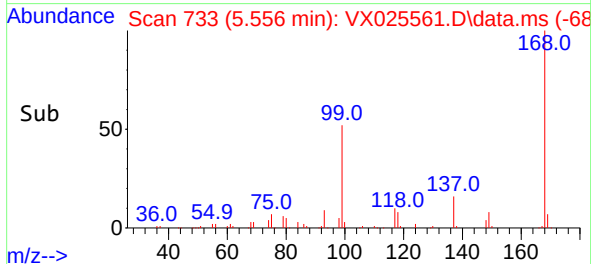
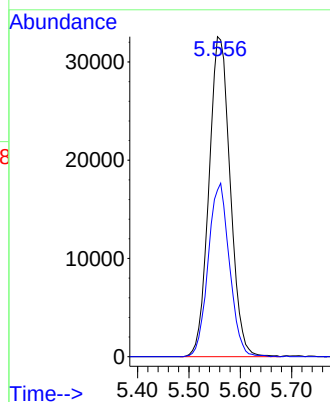
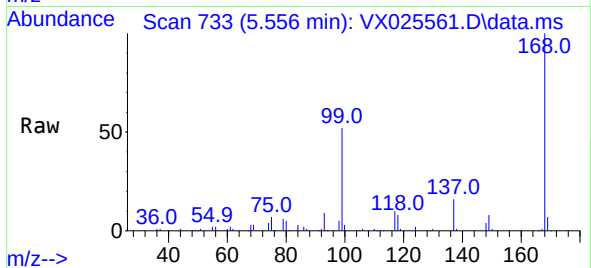




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

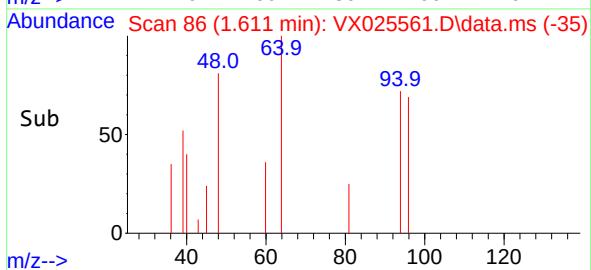
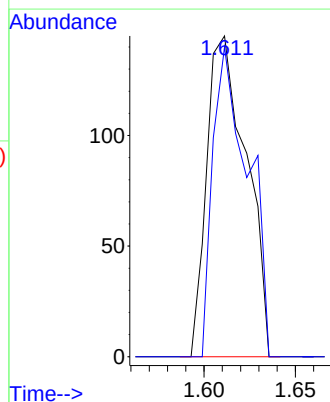
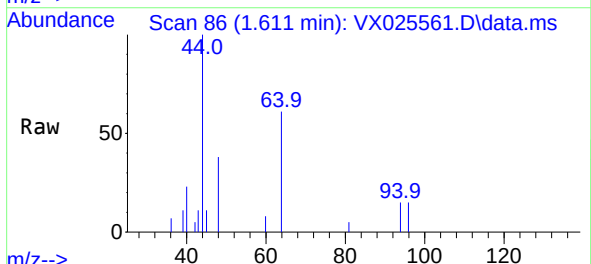
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#11

Tgt Ion:168 Resp: 93602
Ion Ratio Lower Upper
168 100
99 52.0 46.4 69.6

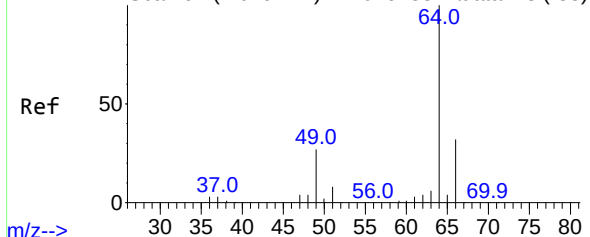


#5
Bromomethane
Concen: 0.460 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

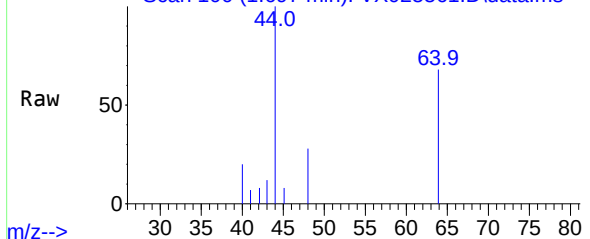
Tgt Ion: 94 Resp: 218
Ion Ratio Lower Upper
94 100
96 96.6 74.8 112.2



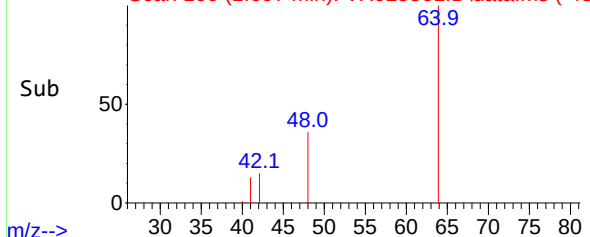
Abundance Scan 97 (1.679 min): VX025183.D\data.ms (-88)



Abundance Scan 100 (1.697 min): VX025561.D\data.ms



Abundance Scan 100 (1.697 min): VX025561.D\data.ms (-48)



#6

Chloroethane

Concen: 0.247 ug/l

RT: 1.697 min Scan# 100

Delta R.T. 0.018 min

Lab File: VX025561.D

Acq: 06 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :

PB141182ZHE#11

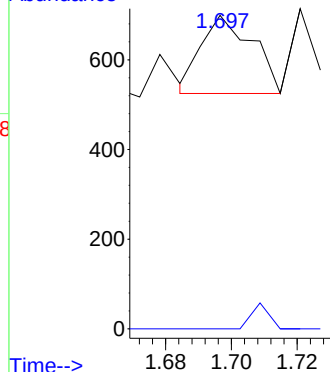
Tgt Ion: 64 Resp: 188

Ion Ratio Lower Upper

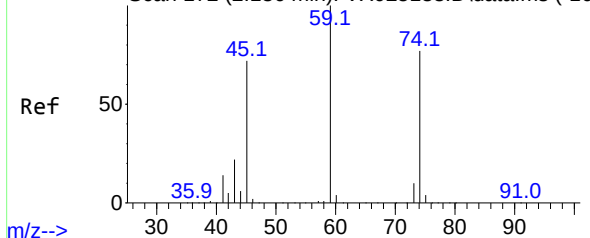
64 100

66 0.0 25.6 38.4#

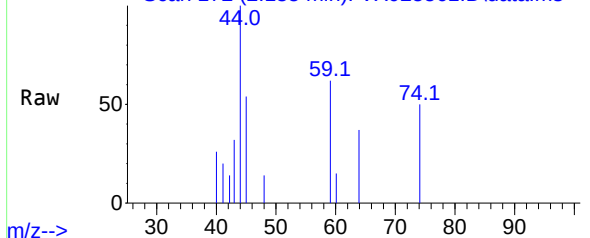
Abundance



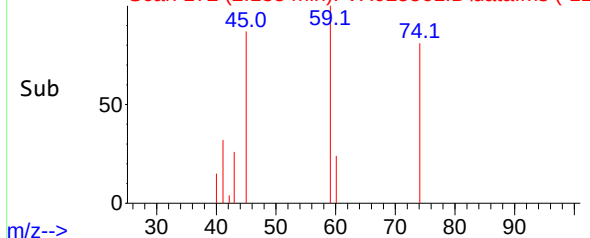
Abundance Scan 172 (2.136 min): VX025183.D\data.ms (-16)



Abundance Scan 172 (2.135 min): VX025561.D\data.ms



Abundance Scan 172 (2.135 min): VX025561.D\data.ms (-12)



#8

Diethyl Ether

Concen: 0.801 ug/l

RT: 2.135 min Scan# 172

Delta R.T. -0.001 min

Lab File: VX025561.D

Acq: 06 Dec 2021 20:02

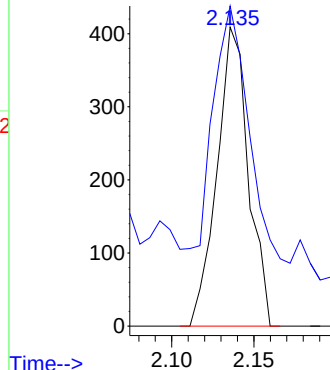
Tgt Ion: 74 Resp: 541

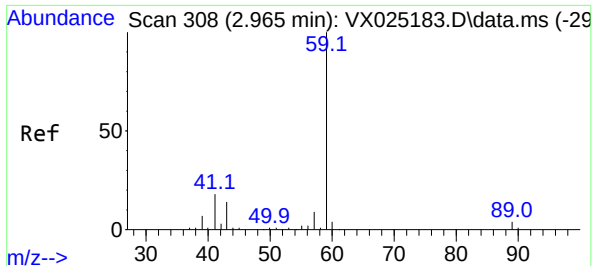
Ion Ratio Lower Upper

74 100

45 161.2 47.6 142.9#

Abundance

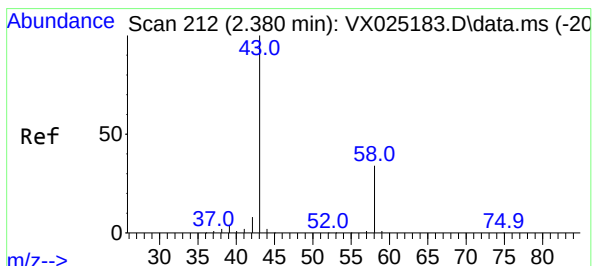
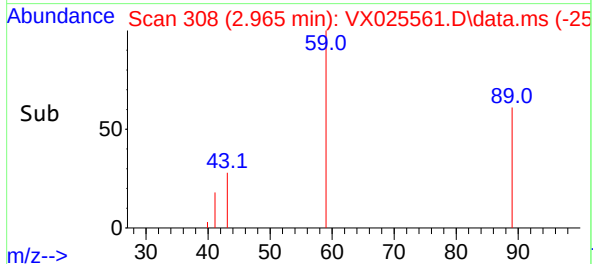
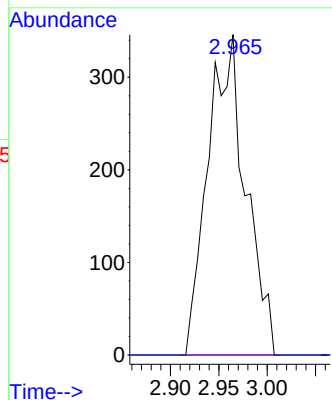
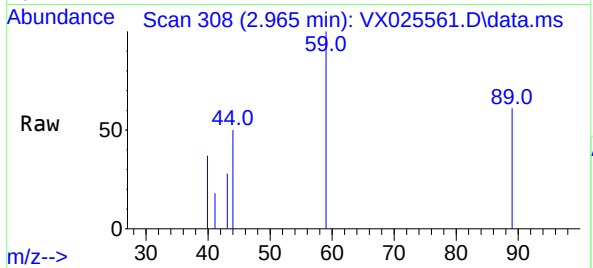




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

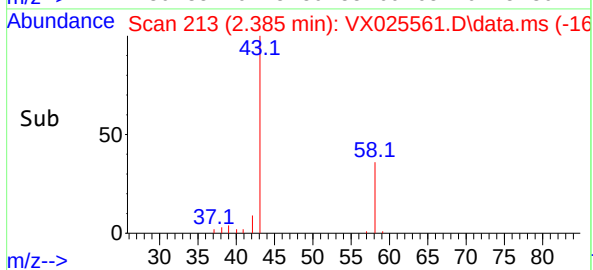
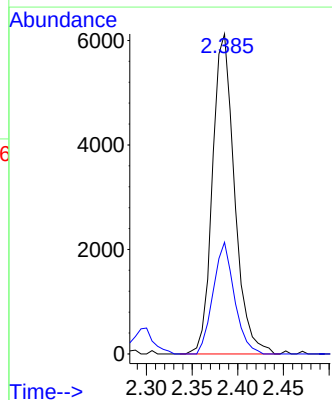
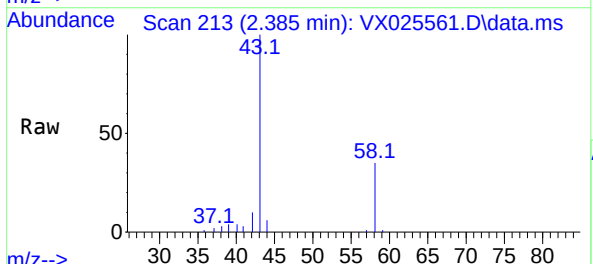
Instrument :
MSVOA_X
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PB141182ZHE#11

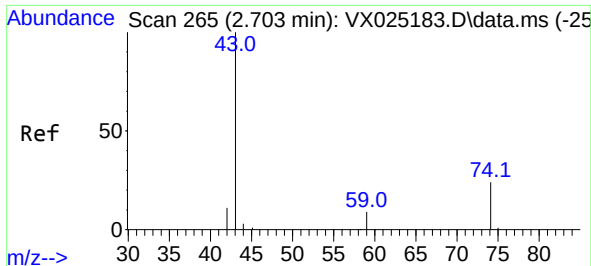
Tgt Ion: 59 Resp: 939
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 18.728 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.005 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Tgt Ion: 43 Resp: 10267
Ion Ratio Lower Upper
43 100
58 34.9 24.0 36.0

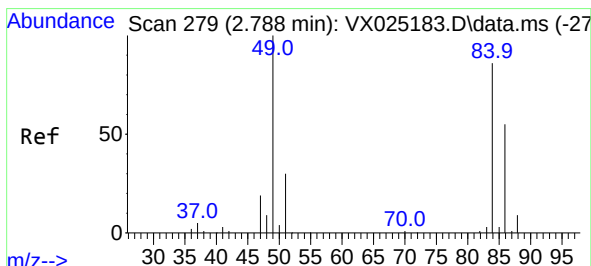
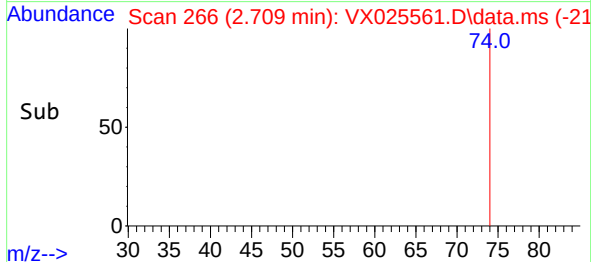
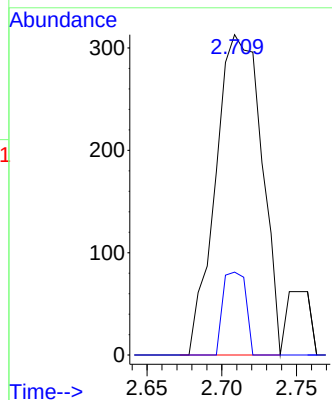
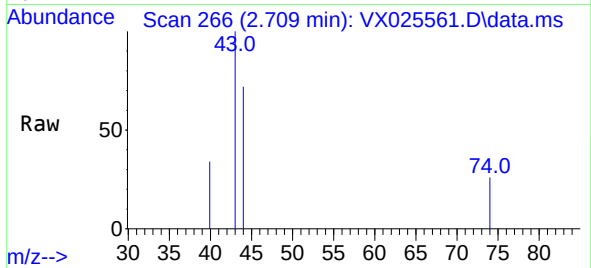




#18
Methyl Acetate
Concen: 0.381 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

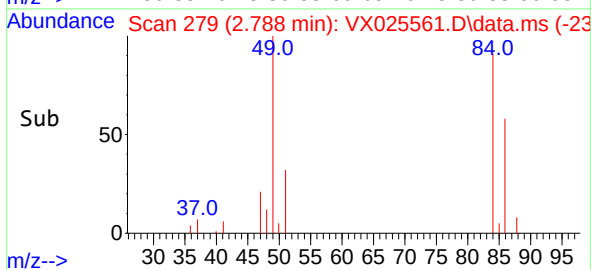
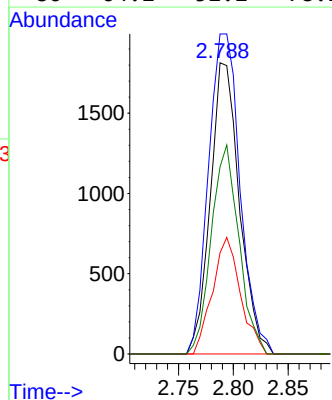
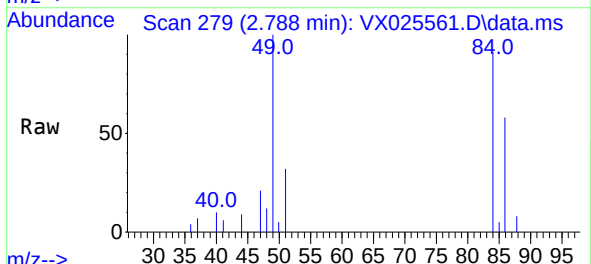
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#11

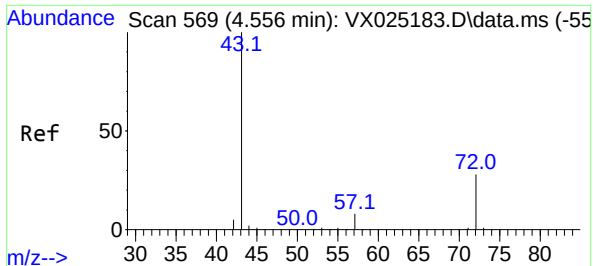
Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
74 12.9 19.0 28.6#



#20
Methylene Chloride
Concen: 3.257 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Tgt Ion: 84 Resp: 3357
Ion Ratio Lower Upper
84 100
49 109.9 98.2 147.2
51 34.7 30.2 45.4
86 64.2 52.2 78.2





#25

2-Butanone

Concen: 3.647 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX025561.D

Acq: 06 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :

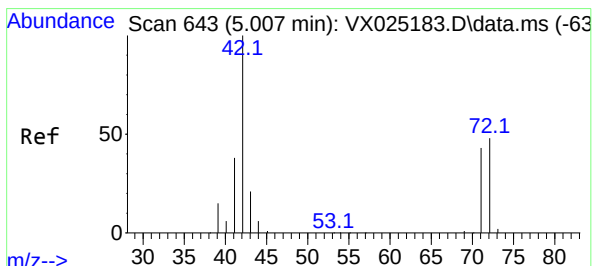
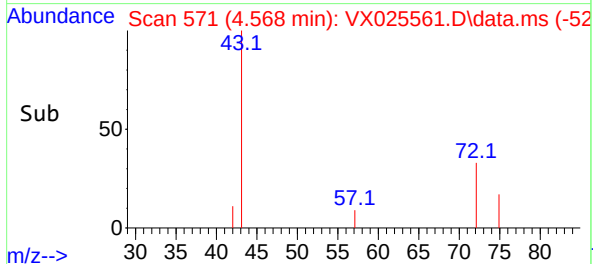
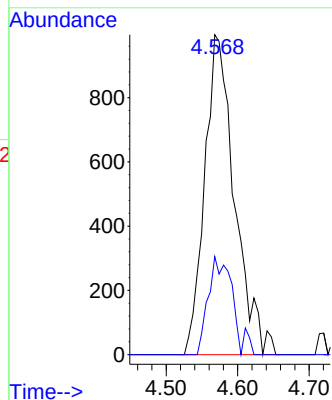
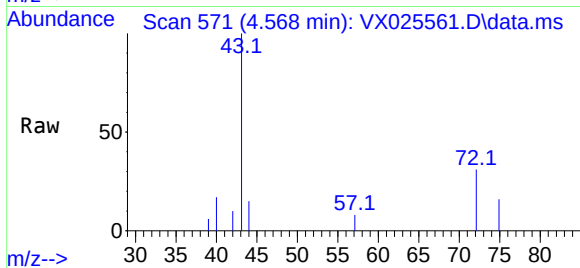
PB141182ZHE#11

Tgt Ion: 43 Resp: 2891

Ion Ratio Lower Upper

43 100

72 30.6 21.2 31.8



#29

Tetrahydrofuran

Concen: 0.642 ug/l

RT: 5.043 min Scan# 649

Delta R.T. 0.036 min

Lab File: VX025561.D

Acq: 06 Dec 2021 20:02

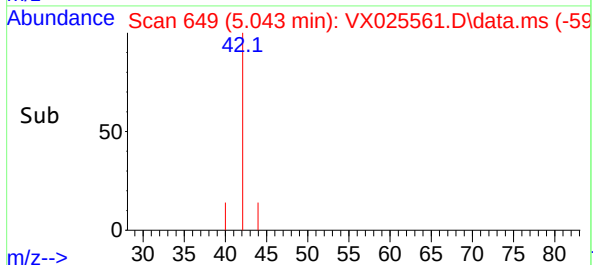
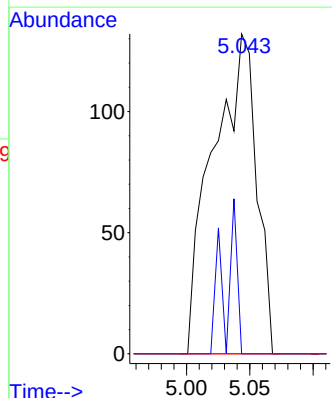
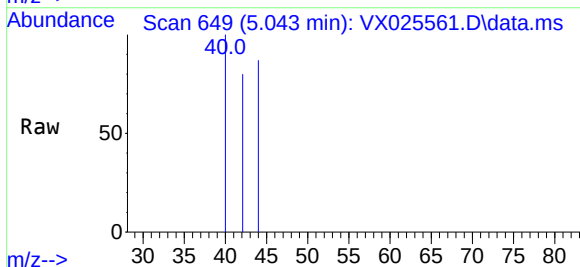
Tgt Ion: 42 Resp: 315

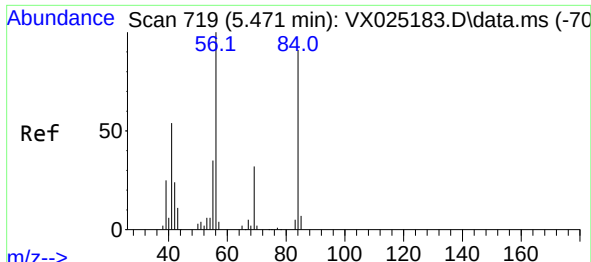
Ion Ratio Lower Upper

42 100

72 6.0 36.1 54.1#

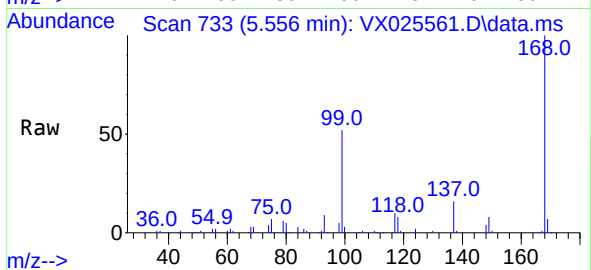
71 0.0 33.7 50.5#



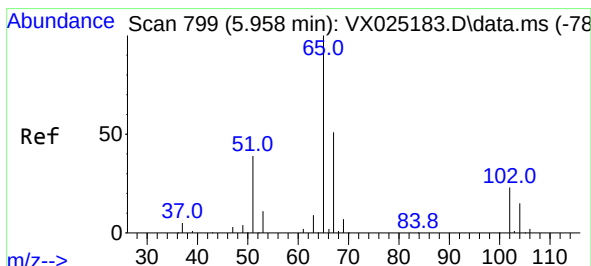
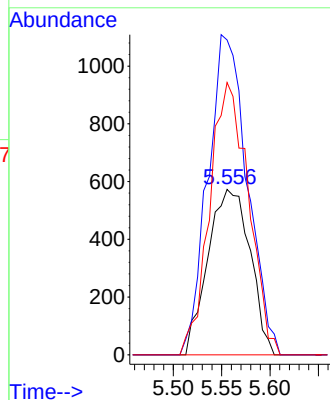
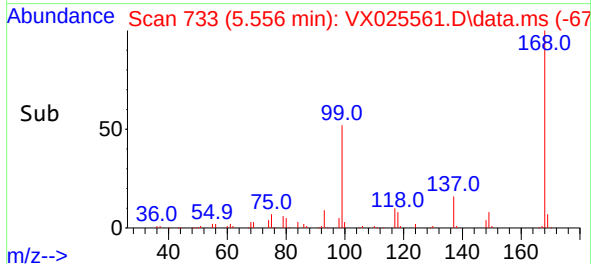


#31
Cyclohexane
Concen: 1.140 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Instrument :
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ClientSampleId :
PB141182ZHE#11

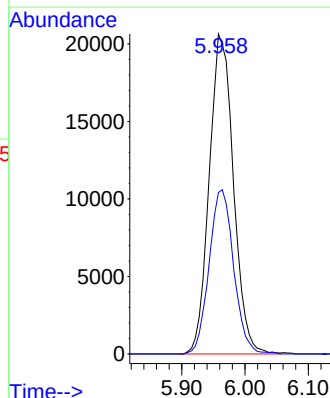
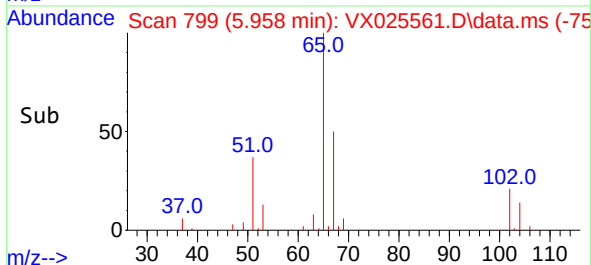
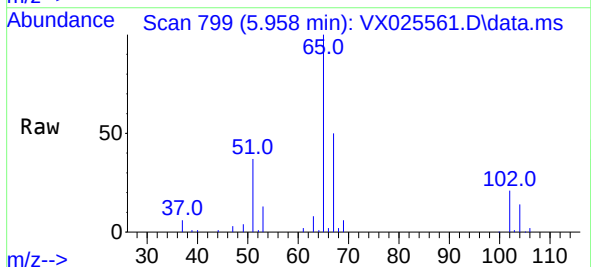


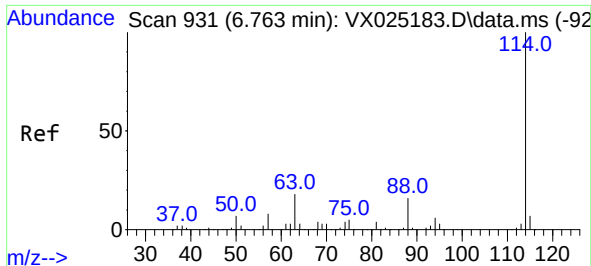
Tgt Ion: 56 Resp: 1738
Ion Ratio Lower Upper
56 100
69 190.4 24.2 36.2#
84 164.6 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 55.535 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Tgt Ion: 65 Resp: 54792
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.0

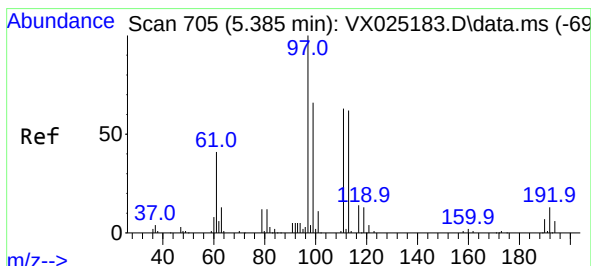
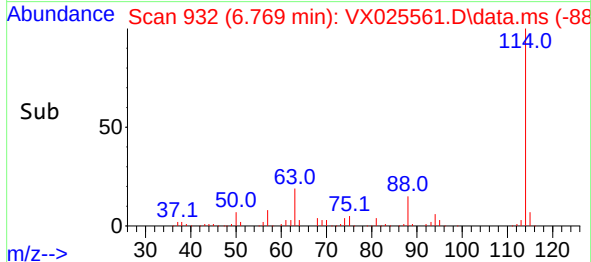
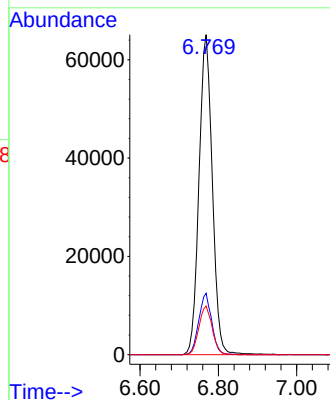
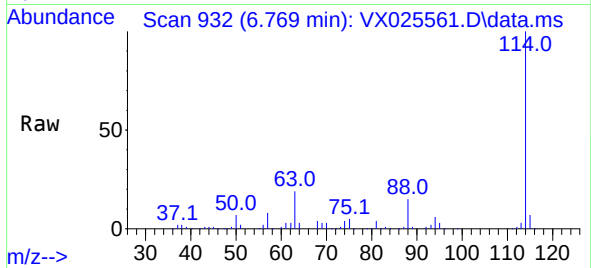




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

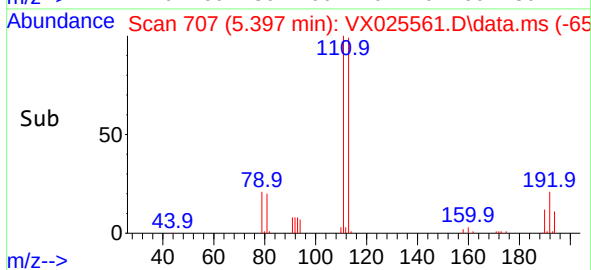
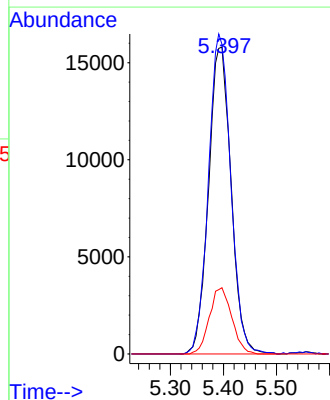
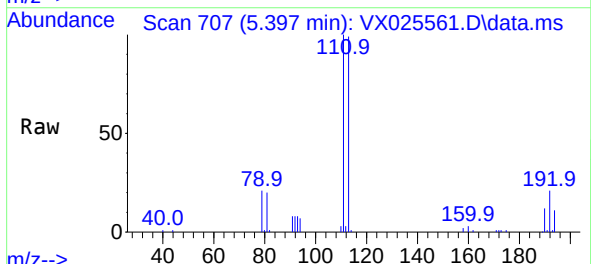
Instrument :
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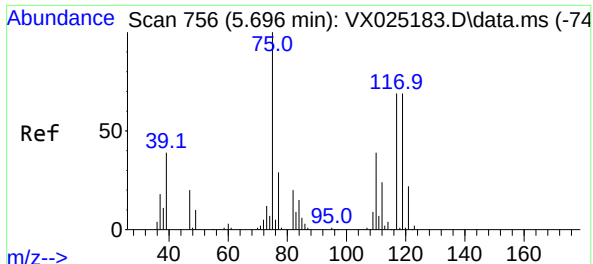
Tgt Ion:114 Resp: 154083
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.0
88 15.2 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.308 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.012 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

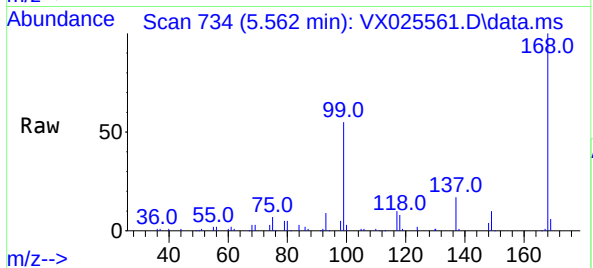
Tgt Ion:113 Resp: 46616
Ion Ratio Lower Upper
113 100
111 103.0 82.1 123.1
192 21.4 15.6 23.4



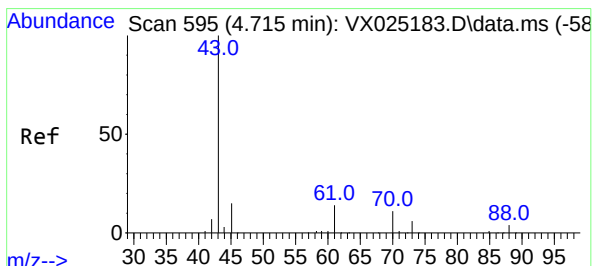
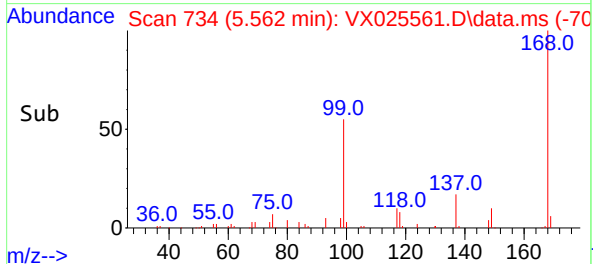
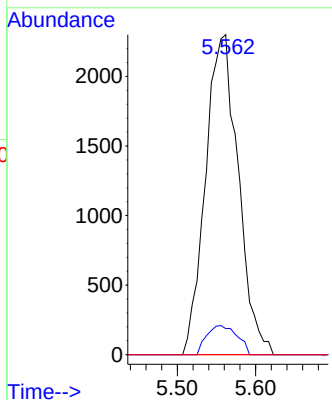


#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#11

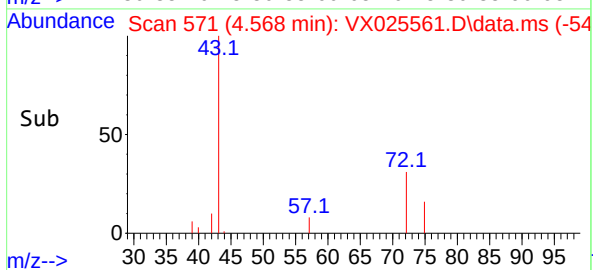
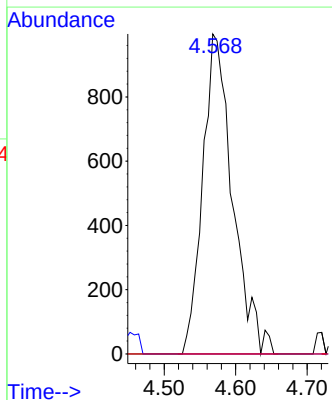
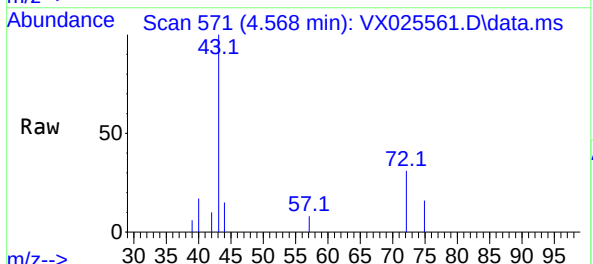


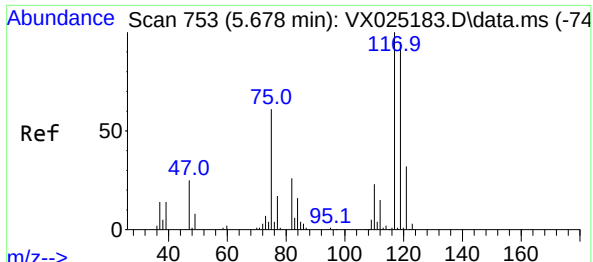
Tgt Ion: 75 Resp: 6677
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.3#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.890 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.147 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

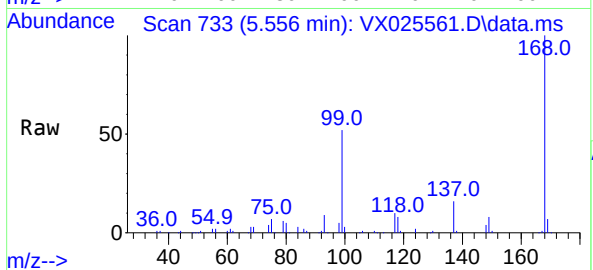
Tgt Ion: 43 Resp: 2891
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.6 12.8#



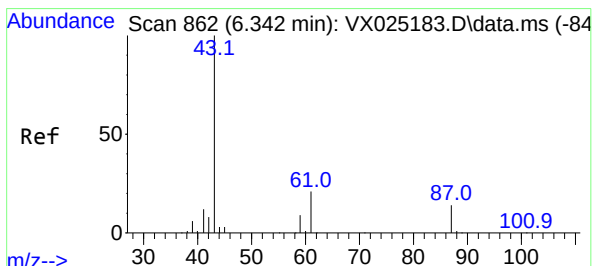
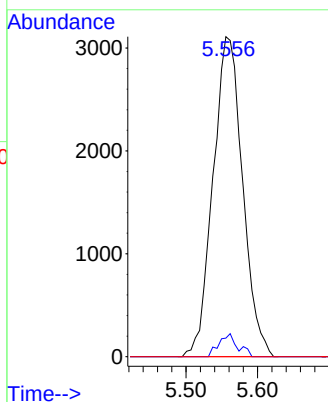
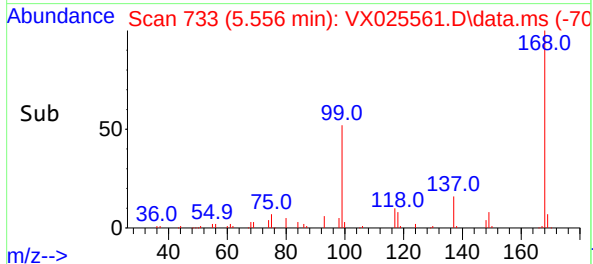


#38
Carbon Tetrachloride
Concen: 6.036 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

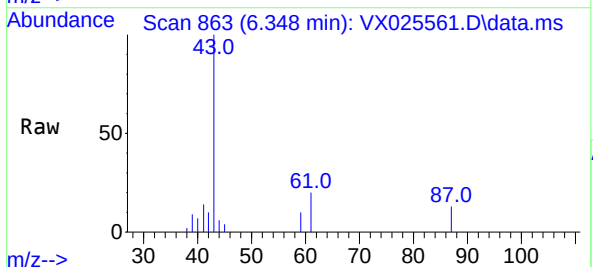
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#11



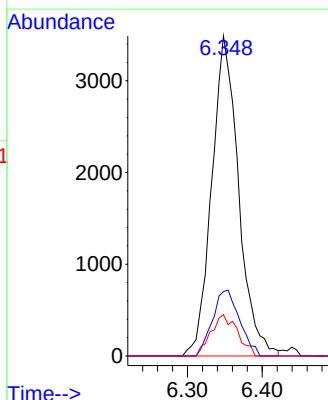
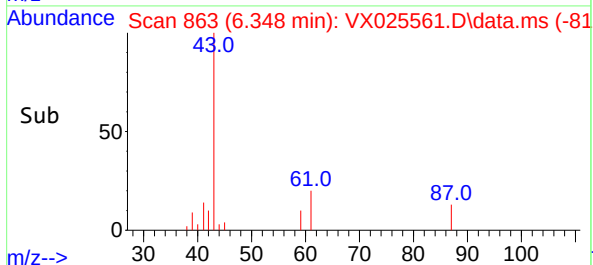
Tgt Ion:117 Resp: 8938
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 23.7 35.5#

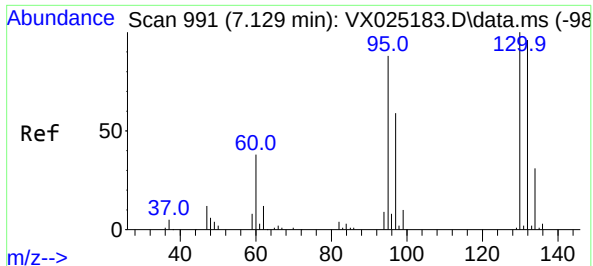


#43
Isopropyl Acetate
Concen: 3.427 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02



Tgt Ion: 43 Resp: 8723
Ion Ratio Lower Upper
43 100
61 20.6 15.3 22.9
87 12.7 10.9 16.3

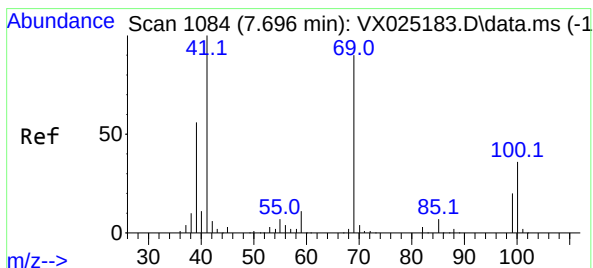
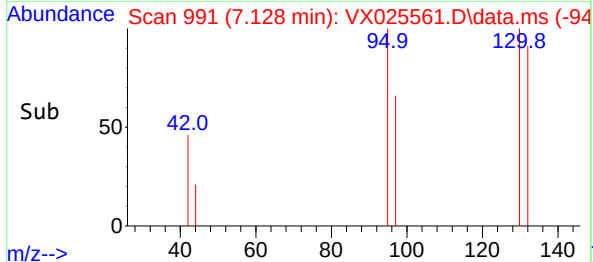
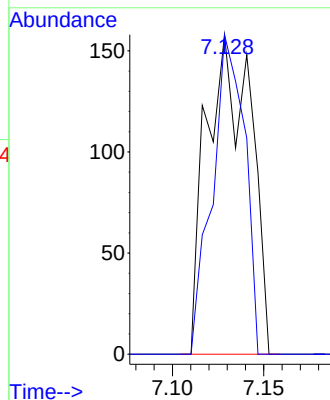
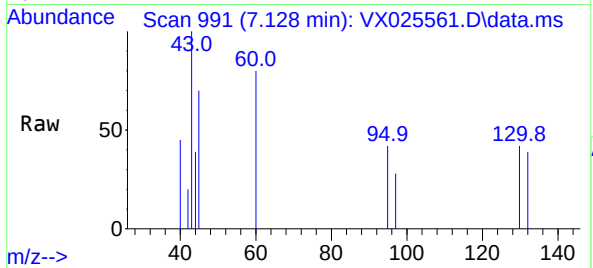




#44
Trichloroethene
Concen: 0.225 ug/l
RT: 7.128 min Scan# 91
Delta R.T. -0.001 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

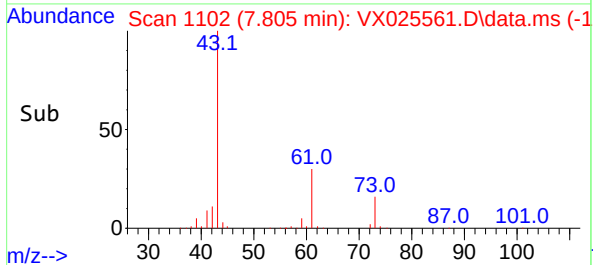
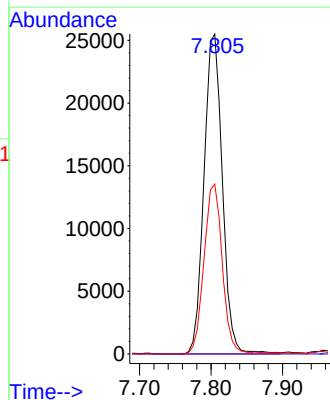
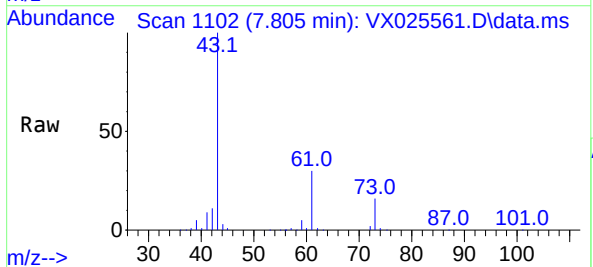
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#11

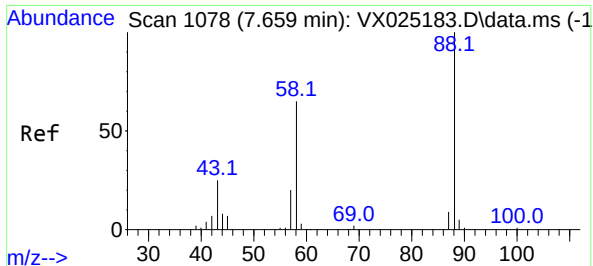
Tgt Ion:130 Resp: 266
Ion Ratio Lower Upper
130 100
95 100.0 0.0 196.8



#48
Methyl methacrylate
Concen: 38.137 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.109 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Tgt Ion: 41 Resp: 45559
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 52.7 46.9 70.3





#49

1,4-Dioxane

Concen: 0.753 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX025561.D

Acq: 06 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :

PB141182ZHE#11

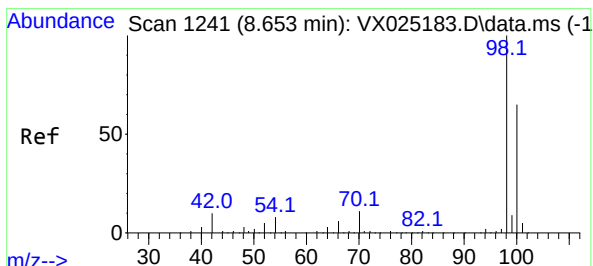
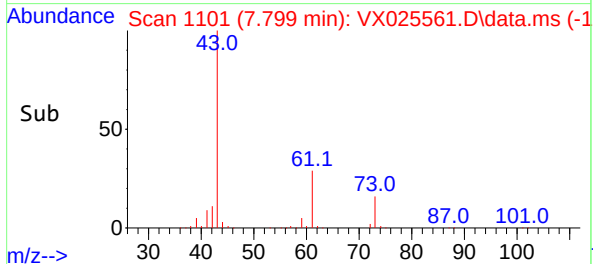
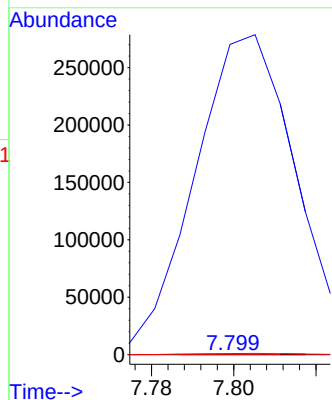
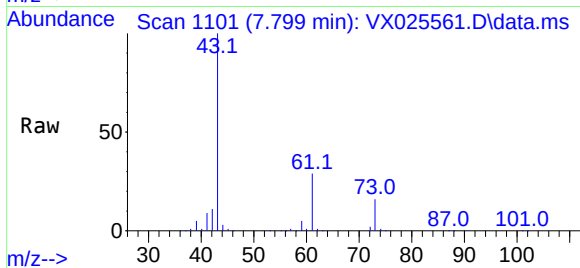
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 2576068.4 27.0 40.6#

58 10715.8 55.2 82.8#



#50

Toluene-d8

Concen: 50.724 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025561.D

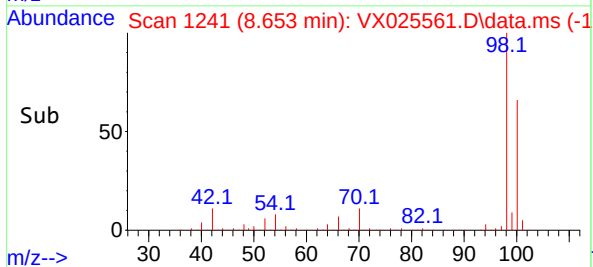
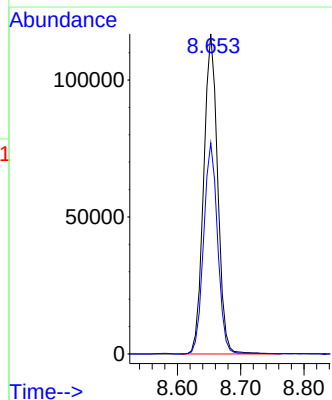
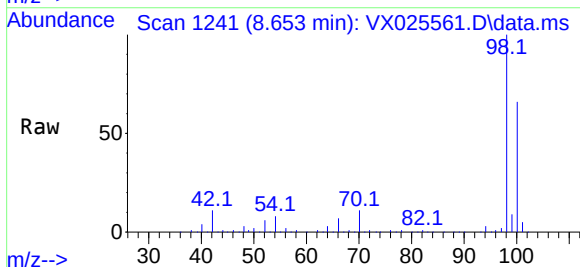
Acq: 06 Dec 2021 20:02

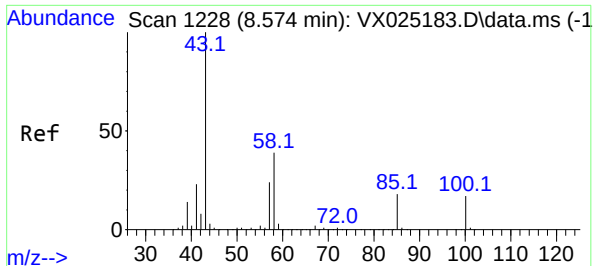
Tgt Ion: 98 Resp: 180303

Ion Ratio Lower Upper

98 100

100 66.0 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 19.114 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.019 min

Lab File: VX025561.D

Acq: 06 Dec 2021 20:02

Instrument :

MSVOA_X

ClientSampleId :

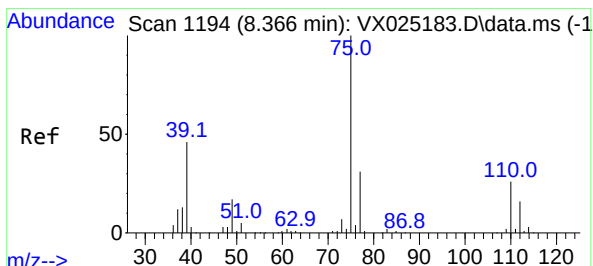
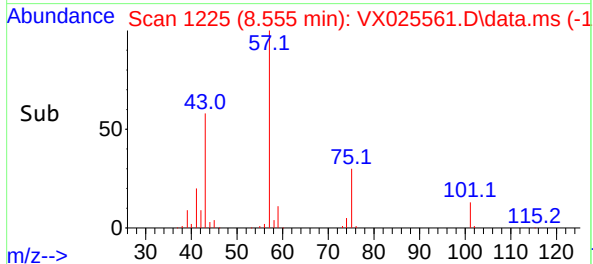
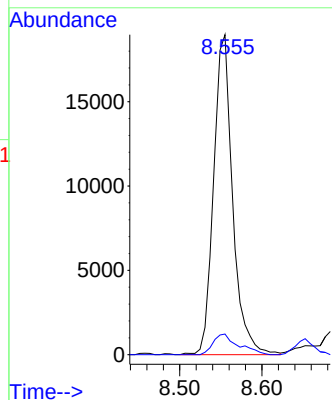
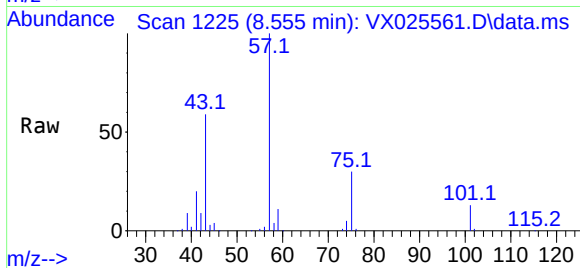
PB141182ZHE#11

Tgt Ion: 43 Resp: 30508

Ion Ratio Lower Upper

43 100

58 8.5 30.9 46.3#



#54

cis-1,3-Dichloropropene

Concen: 8.538 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.189 min

Lab File: VX025561.D

Acq: 06 Dec 2021 20:02

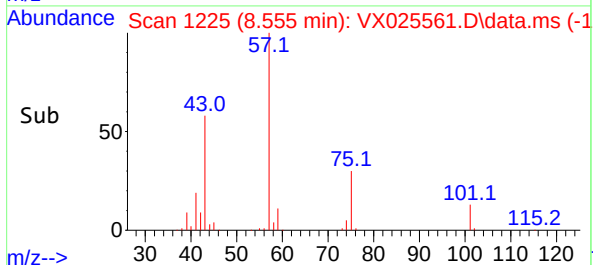
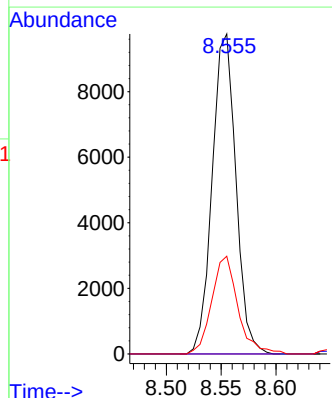
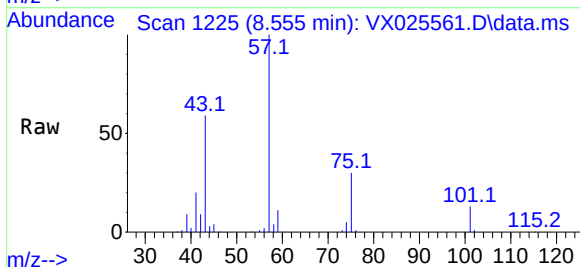
Tgt Ion: 75 Resp: 14685

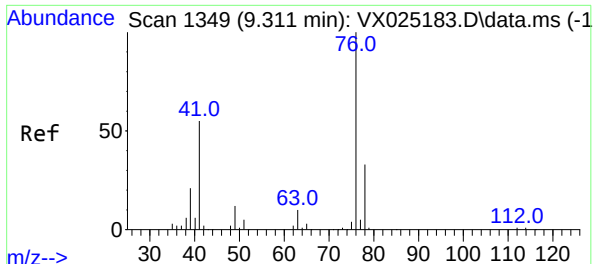
Ion Ratio Lower Upper

75 100

77 0.0 23.8 35.8#

39 30.6 38.8 58.2#

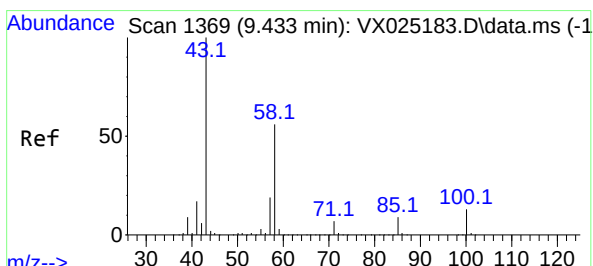
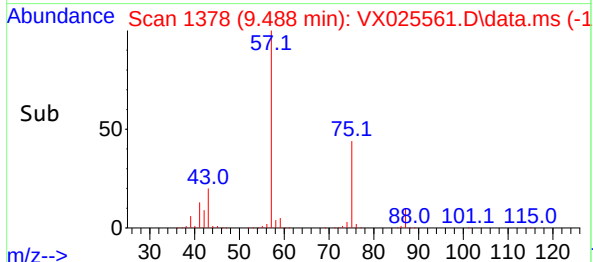
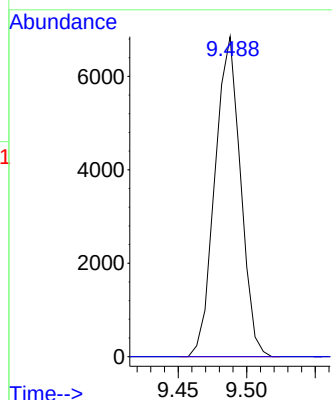
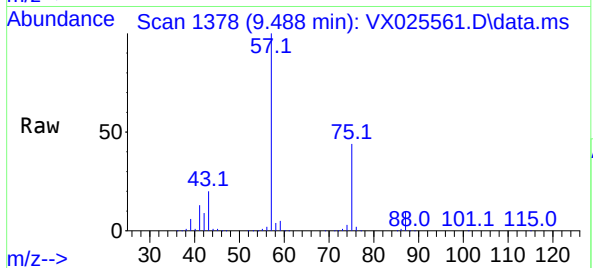




#57
1,3-Dichloropropane
Concen: 5.082 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

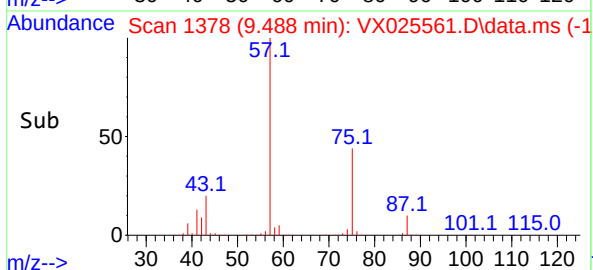
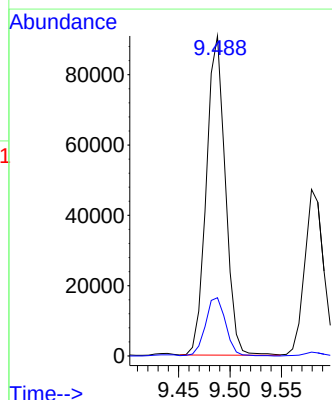
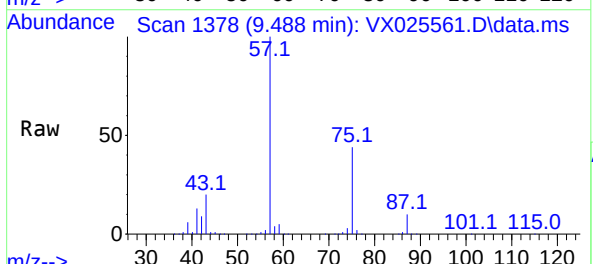
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#11

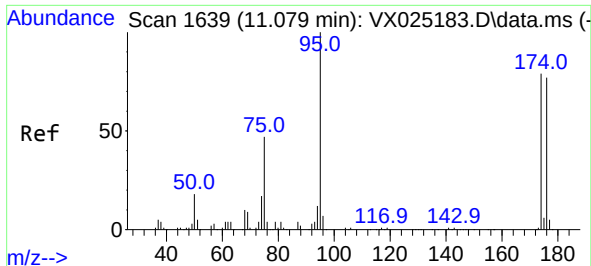
Tgt Ion: 76 Resp: 8900
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 92.665 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Tgt Ion: 43 Resp: 116603
Ion Ratio Lower Upper
43 100
58 19.5 26.6 79.7#

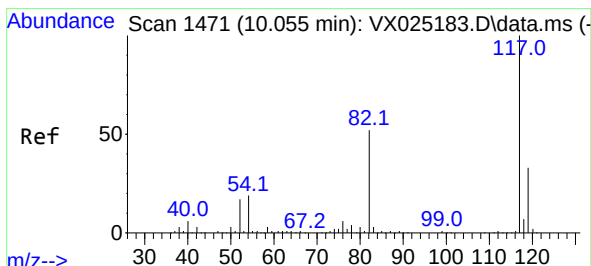
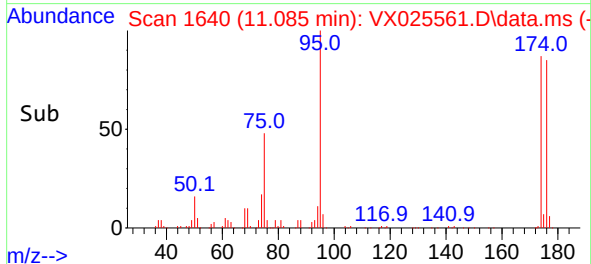
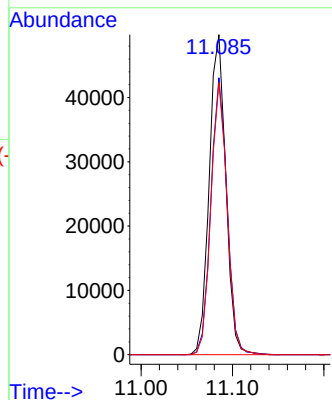
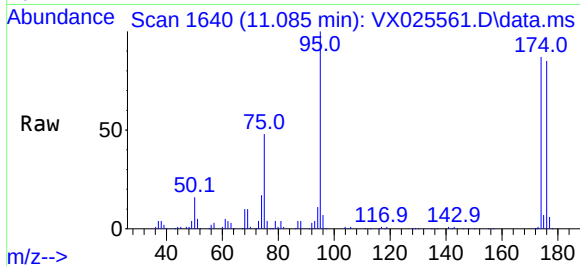




#62
4-Bromofluorobenzene
Concen: 46.624 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

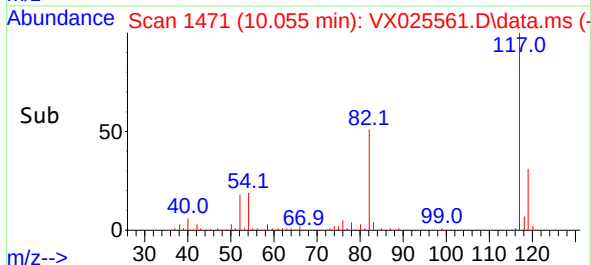
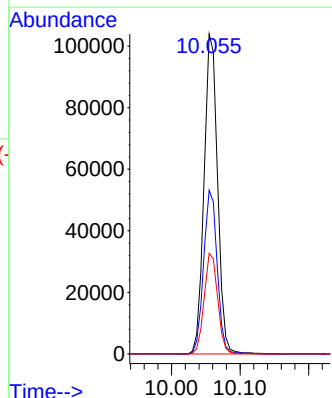
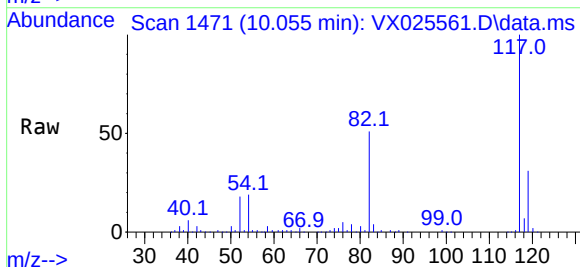
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#11

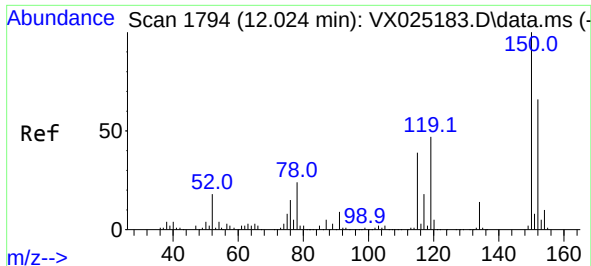
Tgt Ion: 95 Resp: 62697
Ion Ratio Lower Upper
95 100
174 84.8 0.0 158.0
176 82.9 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Tgt Ion: 117 Resp: 142820
Ion Ratio Lower Upper
117 100
82 51.1 44.6 67.0
119 31.5 24.8 37.2

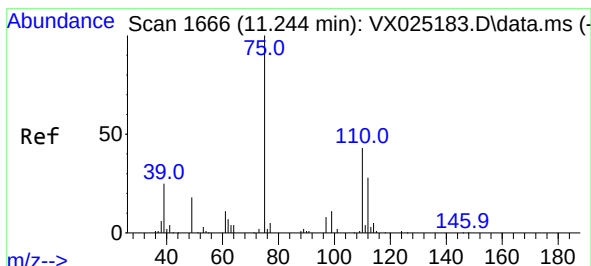
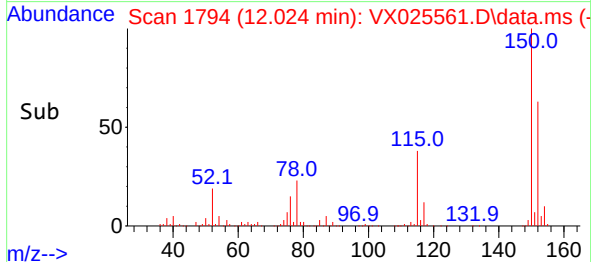
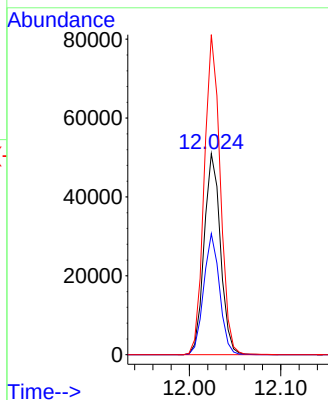
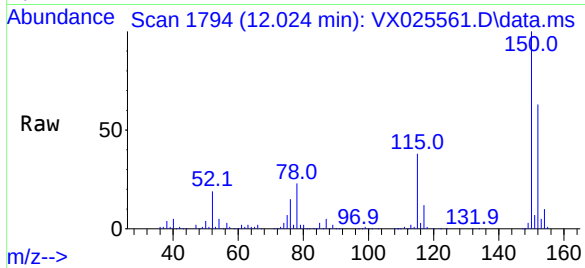




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

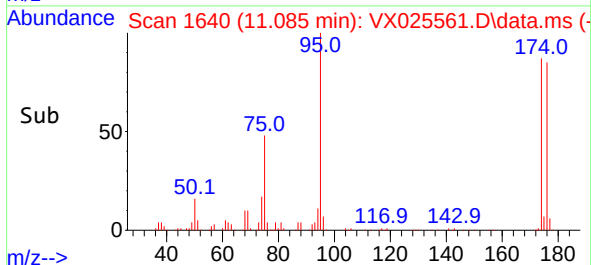
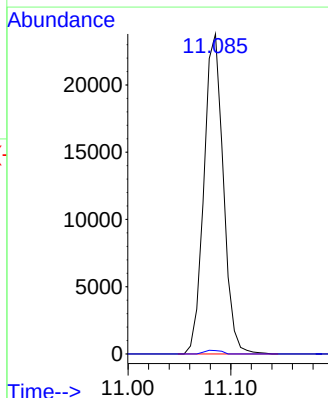
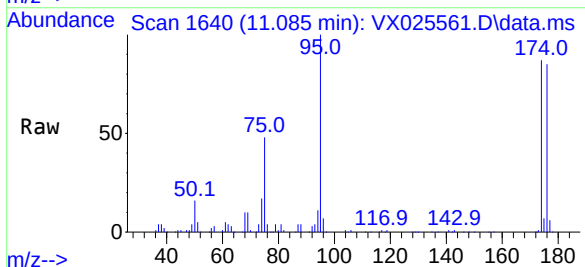
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#11

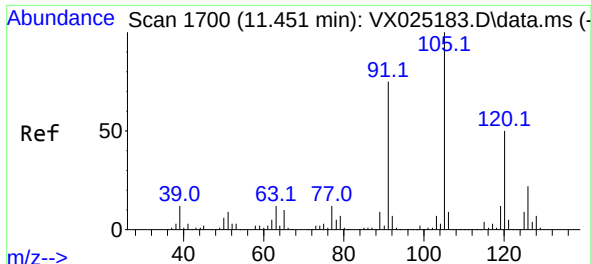
Tgt Ion:152 Resp: 62994
Ion Ratio Lower Upper
152 100
115 58.6 43.3 129.8
150 156.0 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 24.123 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Tgt Ion: 75 Resp: 31118
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#

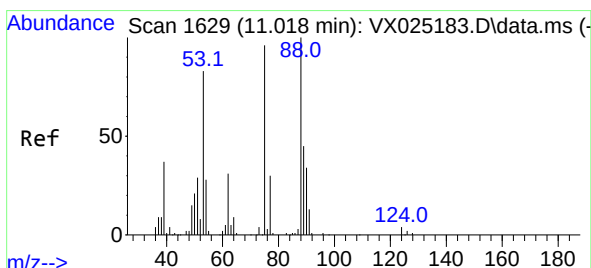
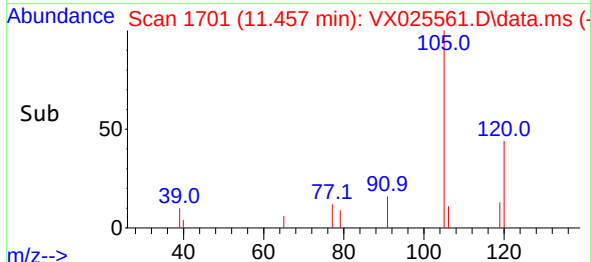
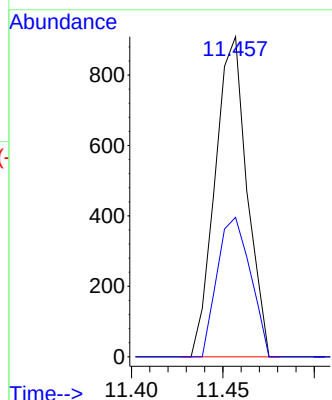
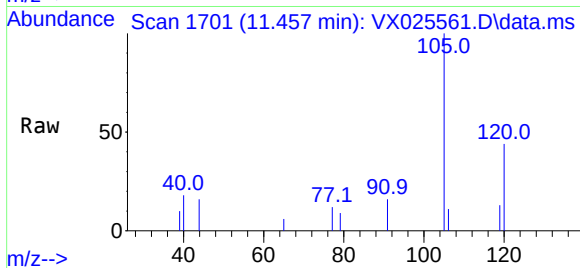




#80
1,3,5-Trimethylbenzene
Concen: 0.293 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#11

Tgt Ion:105 Resp: 1105
Ion Ratio Lower Upper
105 100
120 45.2 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 60.769 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025561.D
Acq: 06 Dec 2021 20:02

Tgt Ion: 75 Resp: 31118
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#

