

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025560.D
 Acq On : 06 Dec 2021 19:38
 Operator : JC/MD
 Sample : PB141182ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 07 06:05:34 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)

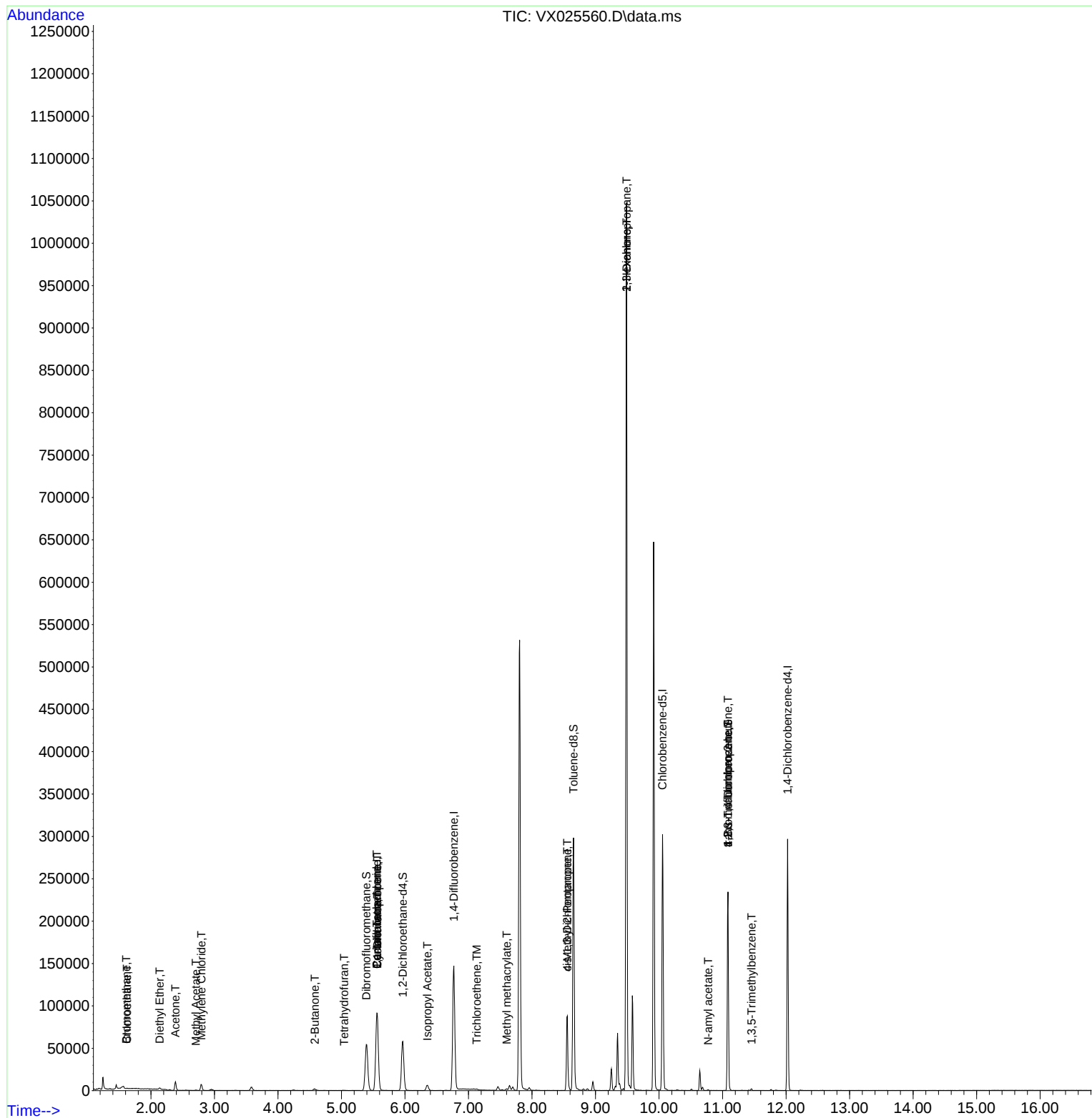
Internal Standards						
1) Pentafluorobenzene	5.556	168	92916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	153177	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55072	56.230	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.460%	
35) Dibromofluoromethane	5.391	113	47591	50.637	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.280%	
50) Toluene-d8	8.653	98	179809	50.884	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	11.085	95	61401	45.930	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.860%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	182	0.387	ug/l	88
6) Chloroethane	1.624	64	248	0.328	ug/l #	86
8) Diethyl Ether	2.136	74	542	0.808	ug/l	74
11) Tert butyl alcohol	2.946	59	1245	Below Cal	#	72
16) Acetone	2.386	43	10687	19.638	ug/l	95
18) Methyl Acetate	2.709	43	653	0.376	ug/l #	82
20) Methylene Chloride	2.794	84	3416	3.339	ug/l	94
25) 2-Butanone	4.580	43	3097	3.936	ug/l	91
29) Tetrahydrofuran	5.044	42	373	0.766	ug/l #	43
31) Cyclohexane	5.562	56	1758	1.162	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	6445	4.823	ug/l #	50
38) Carbon Tetrachloride	5.556	117	8995	6.111	ug/l #	15
43) Isopropyl Acetate	6.354	43	8659	3.422	ug/l	98
44) Trichloroethene	7.129	130	265	0.225	ug/l	96
48) Methyl methacrylate	7.604	41	2509	2.113	ug/l #	14
51) 4-Methyl-2-Pentanone	8.555	43	31060	19.575	ug/l #	51
54) cis-1,3-Dichloropropene	8.555	75	14738	8.619	ug/l #	58
57) 1,3-Dichloropropane	9.488	76	9014	5.177	ug/l #	42
59) 2-Hexanone	9.488	43	115949	92.690	ug/l #	52
74) N-amyl acetate	10.774	43	587	0.316	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	30347	24.561	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.457	105	1045	0.289	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.085	75	30347	61.872	ug/l #	9
95) Naphthalene	13.786	128	19	Below Cal	#	69

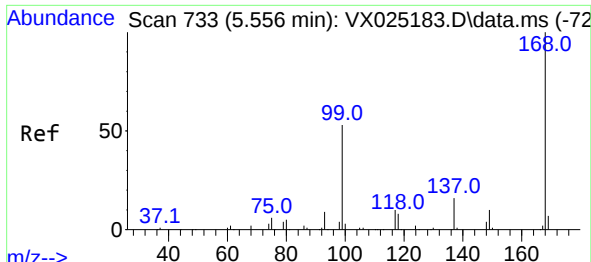
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
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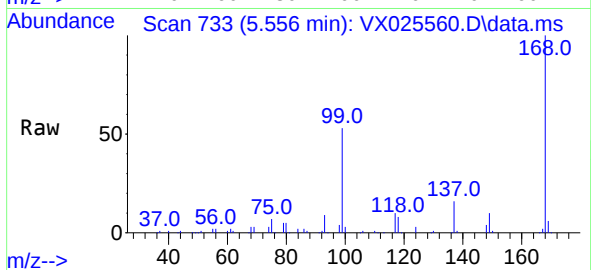
Quant Time: Dec 07 06:05:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
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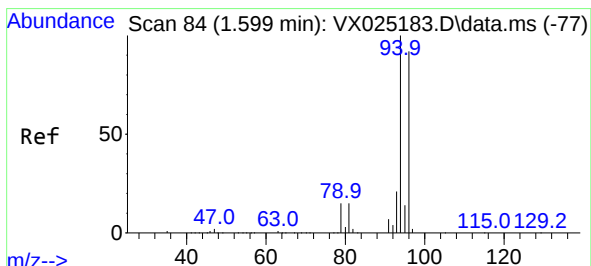
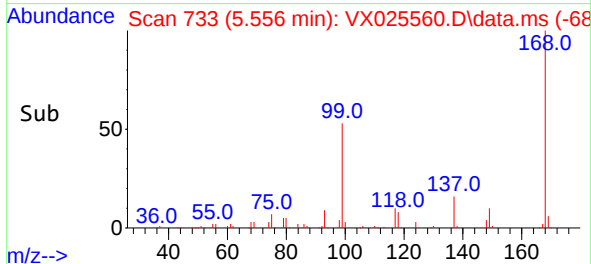
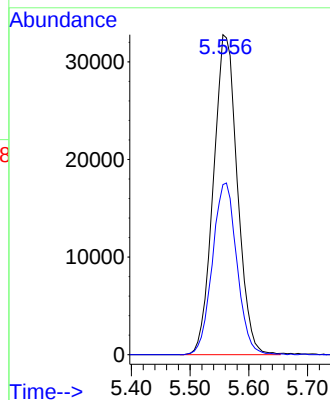


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Instrument :
MSVOA_X
ClientSampleId :

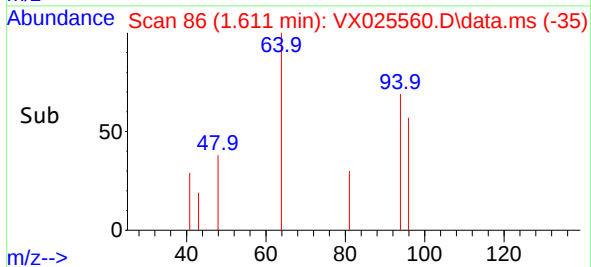
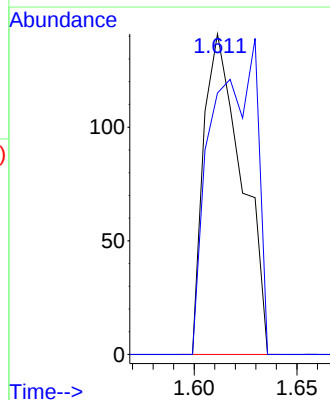
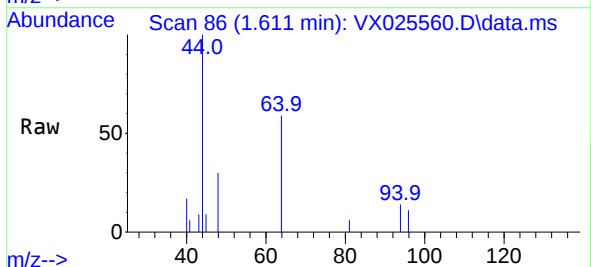


Tgt Ion:168 Resp: 92916
Ion Ratio Lower Upper
168 100
99 53.1 46.4 69.6

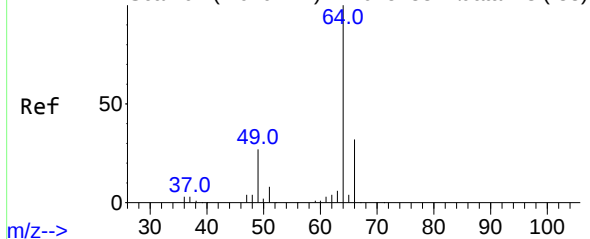


#5
Bromomethane
Concen: 0.387 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Tgt Ion: 94 Resp: 182
Ion Ratio Lower Upper
94 100
96 81.6 74.8 112.2



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



#6

Chloroethane

Concen: 0.328 ug/l

RT: 1.624 min Scan# 81

Delta R.T. -0.055 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

Instrument :

MSVOA_X

ClientSampleId :

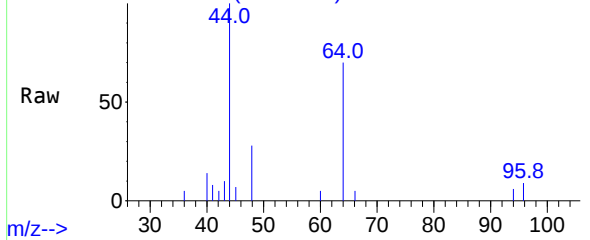
Tgt Ion: 64 Resp: 248

Ion Ratio Lower Upper

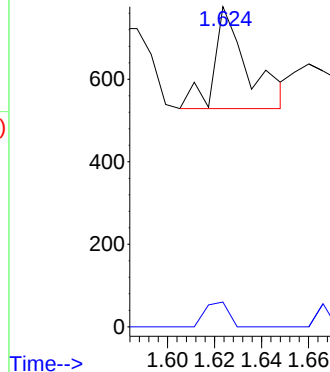
64 100

66 24.3 25.6 38.4#

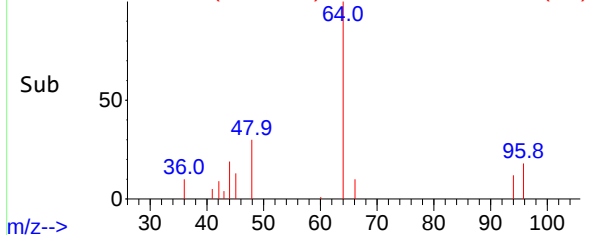
Abundance Scan 88 (1.624 min): VX025560.D\data.ms



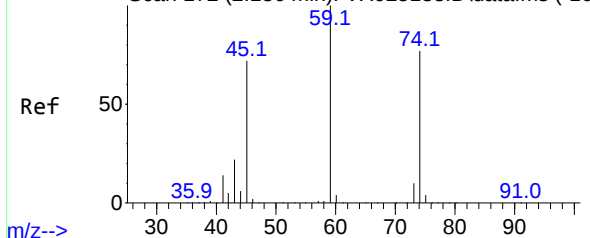
Abundance



Abundance Scan 88 (1.624 min): VX025560.D\data.ms (-48)



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



#8

Diethyl Ether

Concen: 0.808 ug/l

RT: 2.136 min Scan# 172

Delta R.T. -0.000 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

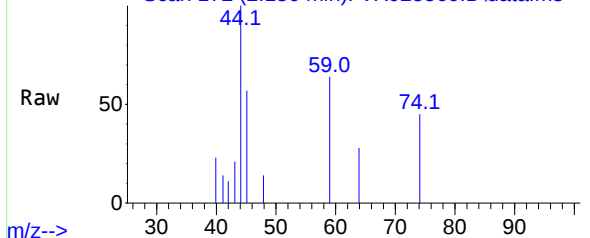
Tgt Ion: 74 Resp: 542

Ion Ratio Lower Upper

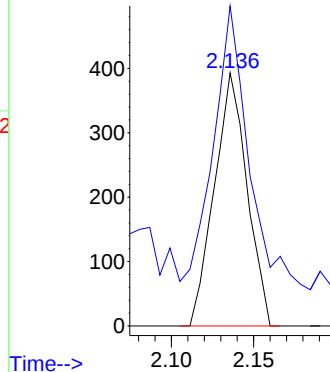
74 100

45 120.3 47.6 142.9

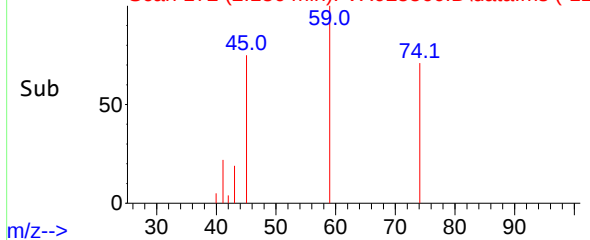
Abundance Scan 172 (2.136 min): VX025560.D\data.ms

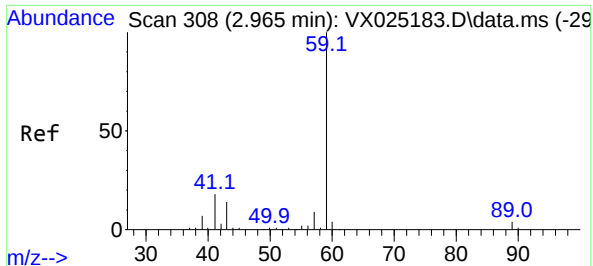


Abundance



Abundance Scan 172 (2.136 min): VX025560.D\data.ms (-12)

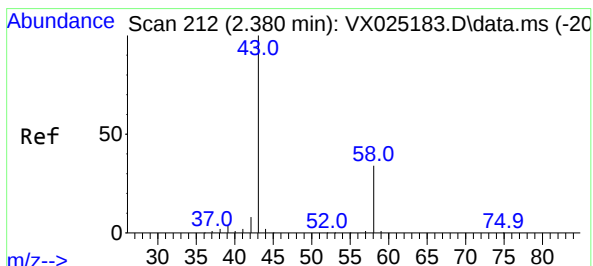
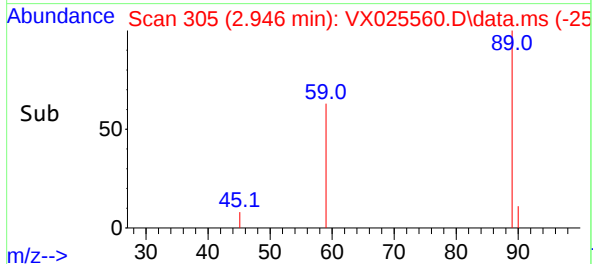
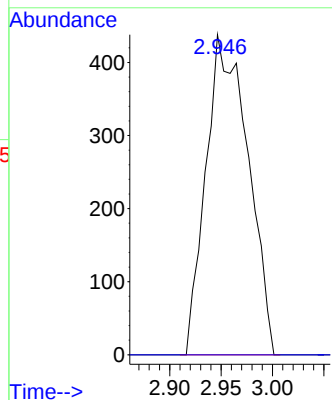
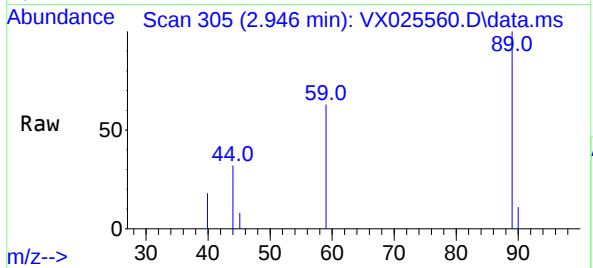




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

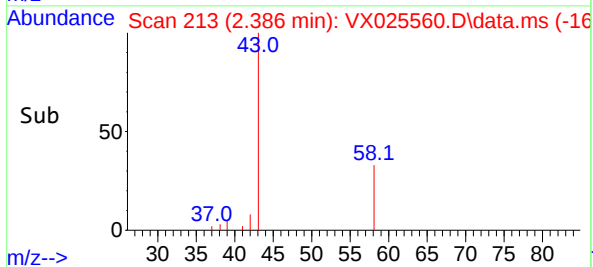
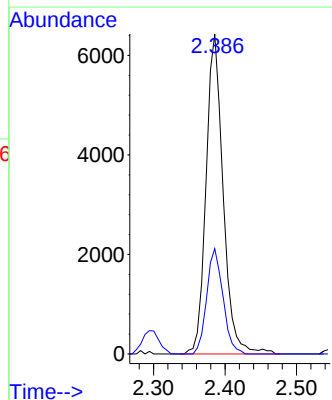
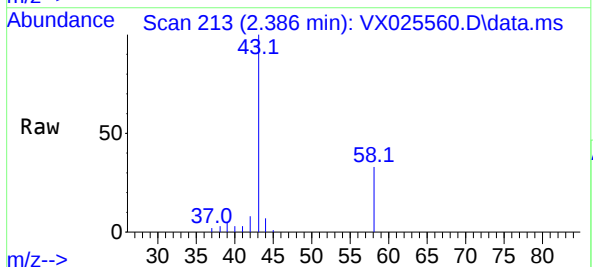
Instrument :
MSVOA_X
ClientSampleId :

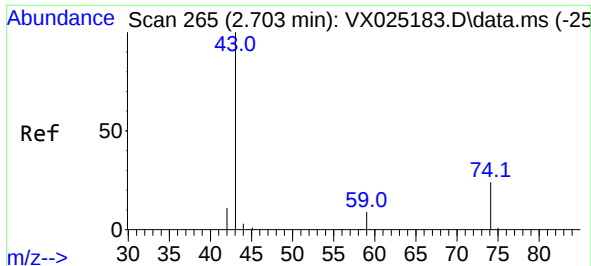
Tgt Ion: 59 Resp: 1245
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 19.638 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Tgt Ion: 43 Resp: 10687
Ion Ratio Lower Upper
43 100
58 32.9 24.0 36.0





#18

Methyl Acetate

Concen: 0.376 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

Instrument :

MSVOA_X

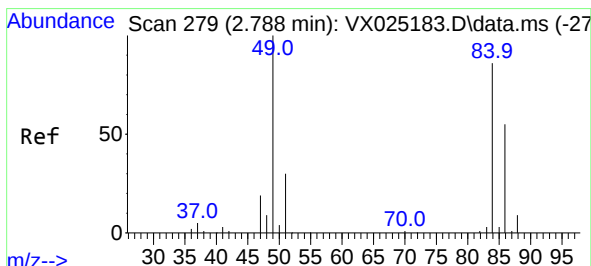
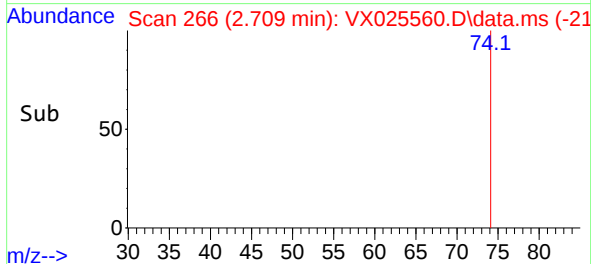
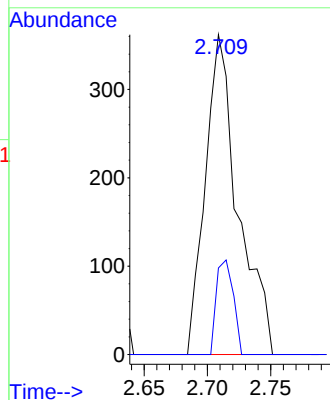
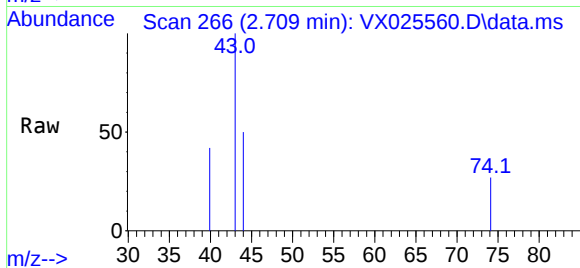
ClientSampleId :

Tgt Ion: 43 Resp: 653

Ion Ratio Lower Upper

43 100

74 15.2 19.0 28.6#



#20

Methylene Chloride

Concen: 3.339 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

Tgt Ion: 84 Resp: 3416

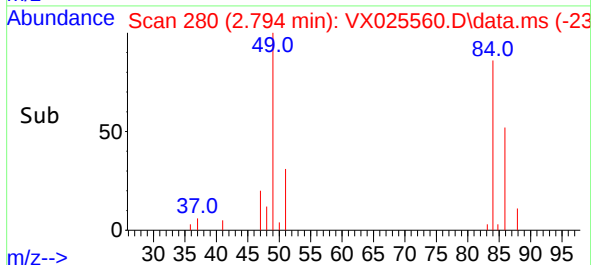
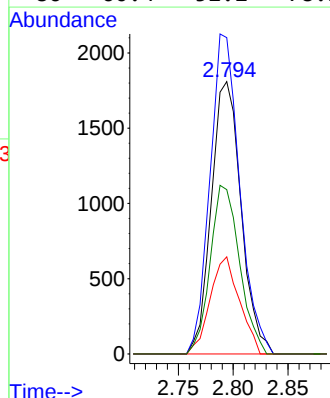
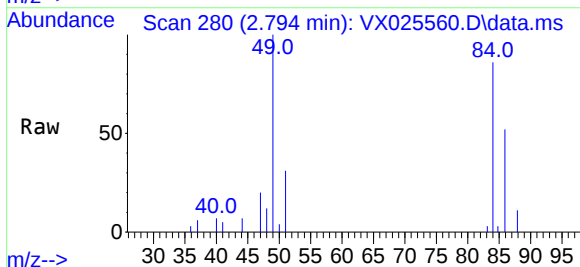
Ion Ratio Lower Upper

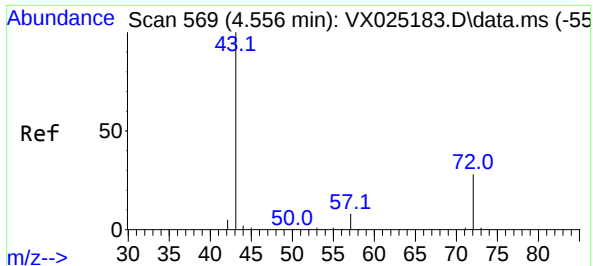
84 100

49 116.2 98.2 147.2

51 35.7 30.2 45.4

86 60.4 52.2 78.2





#25

2-Butanone

Concen: 3.936 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

Instrument :

MSVOA_X

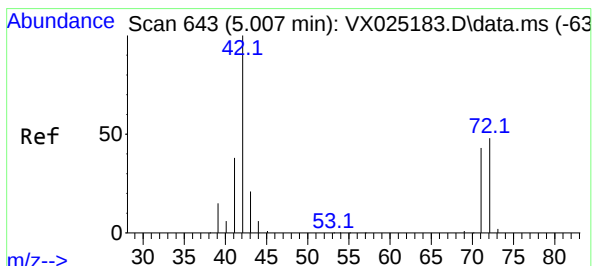
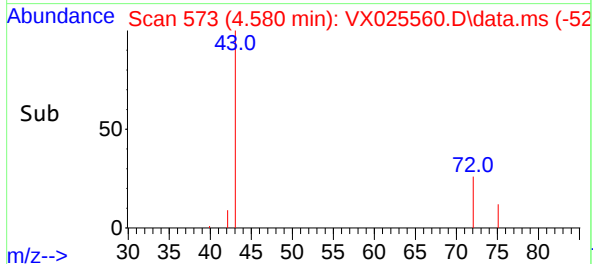
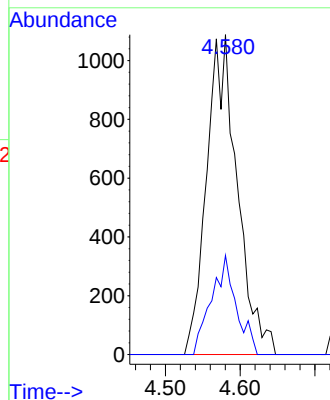
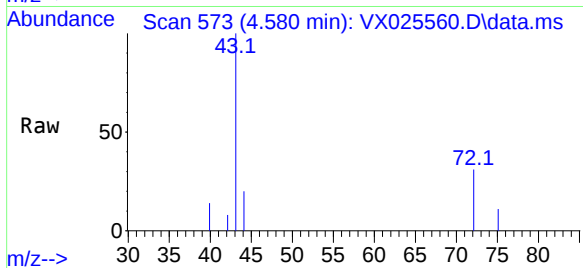
ClientSampleId :

Tgt Ion: 43 Resp: 3097

Ion Ratio Lower Upper

43 100

72 31.0 21.2 31.8



#29

Tetrahydrofuran

Concen: 0.766 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.037 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

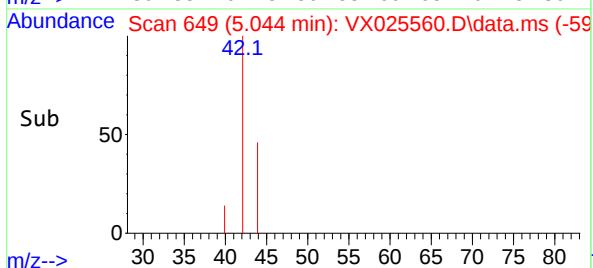
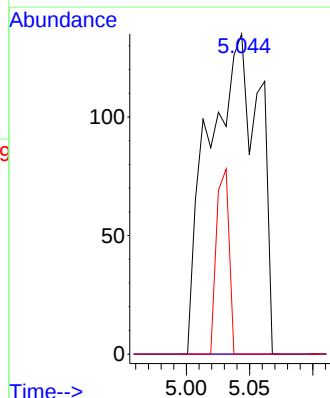
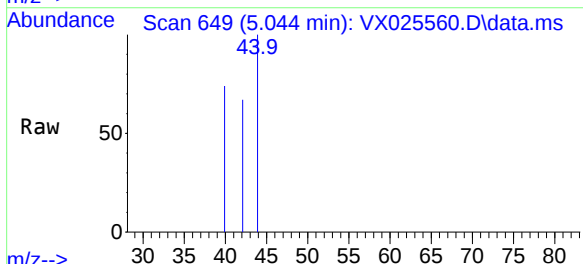
Tgt Ion: 42 Resp: 373

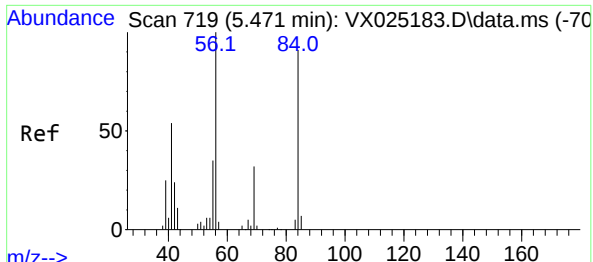
Ion Ratio Lower Upper

42 100

72 0.0 36.1 54.1#

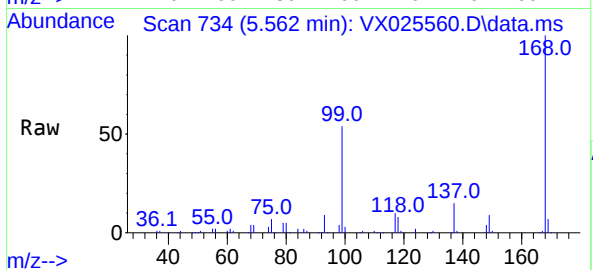
71 14.5 33.7 50.5#



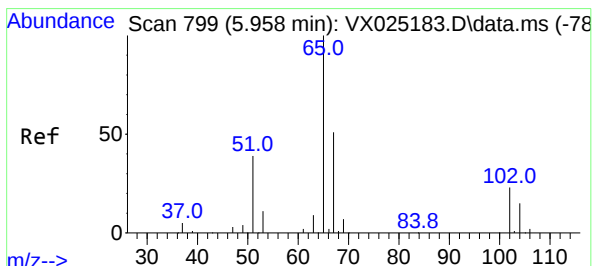
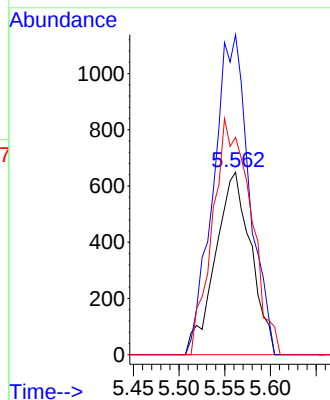
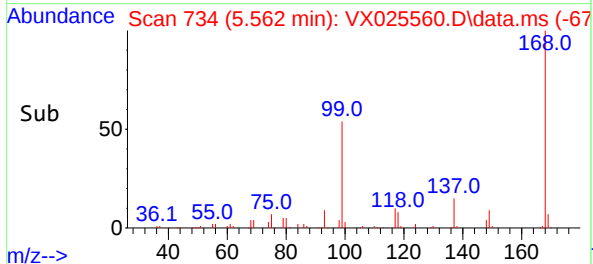


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Instrument :
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ClientSampleId :

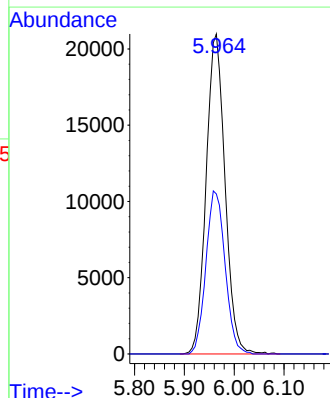
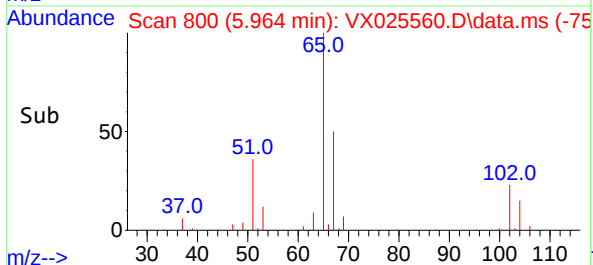
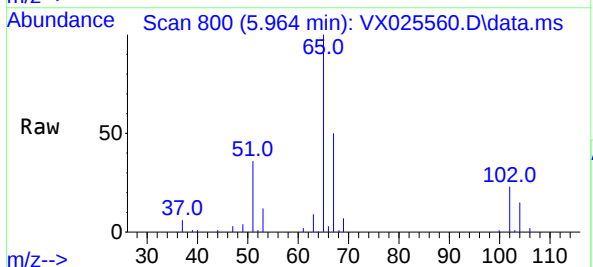


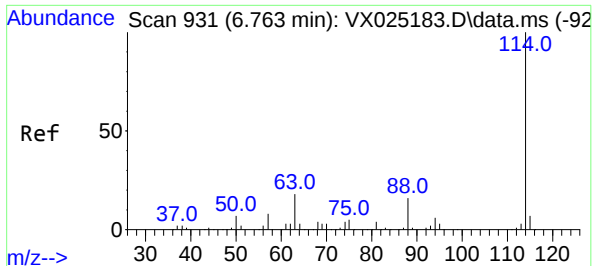
Tgt Ion: 56 Resp: 1758
Ion Ratio Lower Upper
56 100
69 175.3 24.2 36.2#
84 119.1 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 56.230 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Tgt Ion: 65 Resp: 55072
Ion Ratio Lower Upper
65 100
67 51.8 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: VX025560.D

Acq: 06 Dec 2021 19:38

Instrument :

MSVOA_X

ClientSampleId :

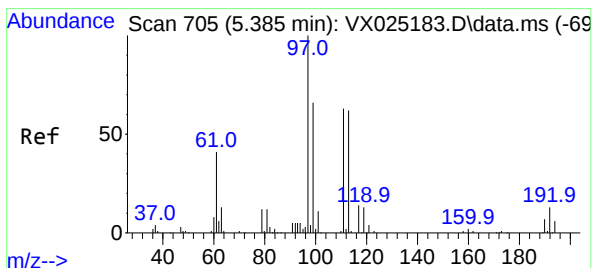
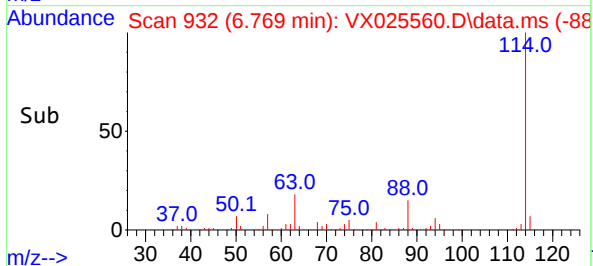
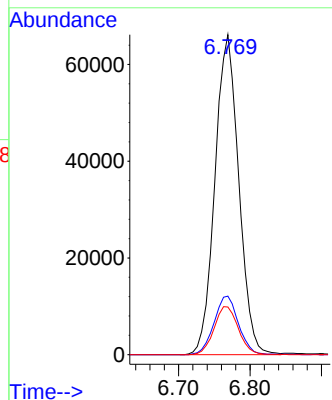
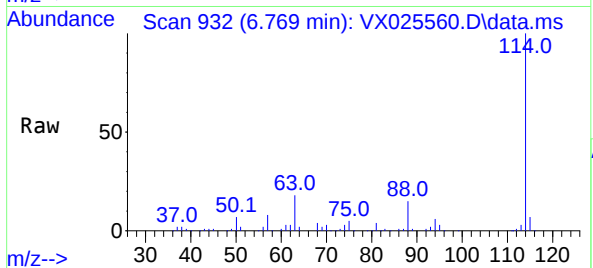
Tgt Ion:114 Resp: 153177

Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.0

88 14.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.637 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

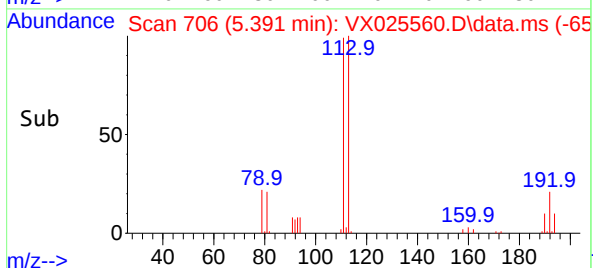
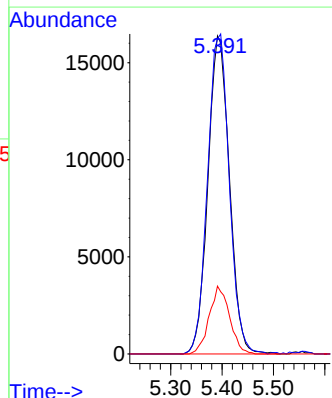
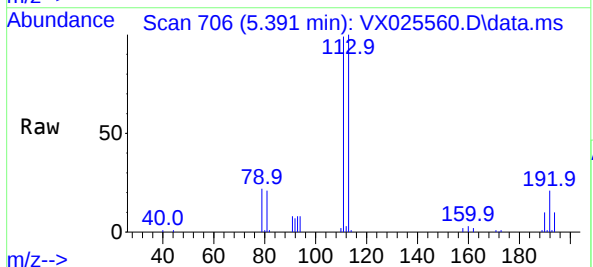
Tgt Ion:113 Resp: 47591

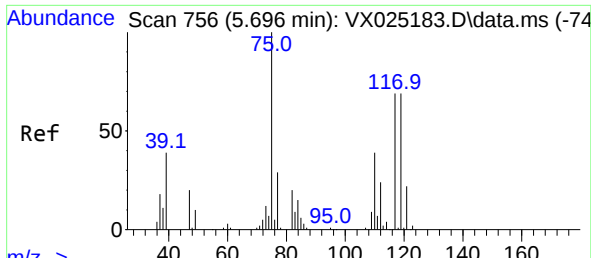
Ion Ratio Lower Upper

113 100

111 101.6 82.1 123.1

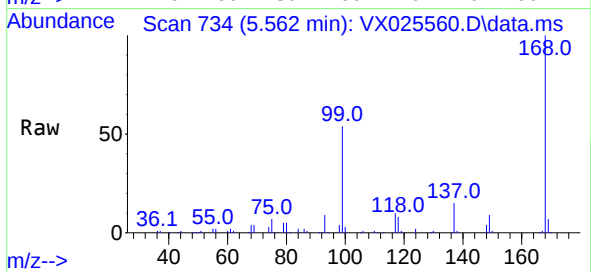
192 20.2 15.6 23.4



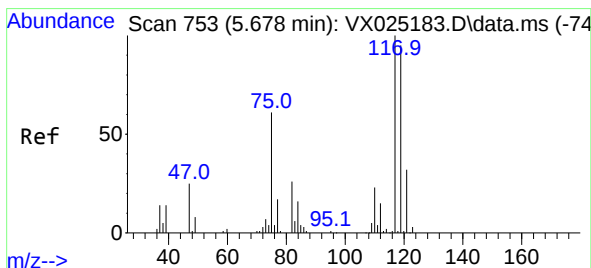
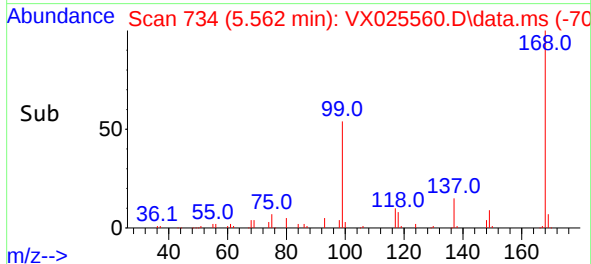
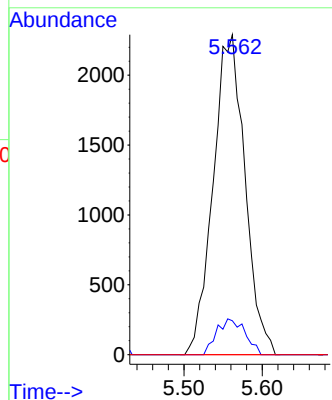


#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Instrument :
MSVOA_X
ClientSampleId :

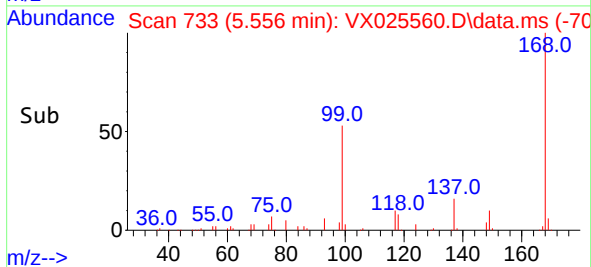
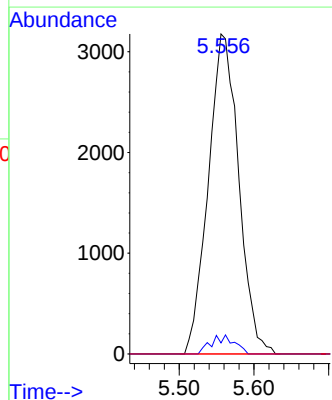
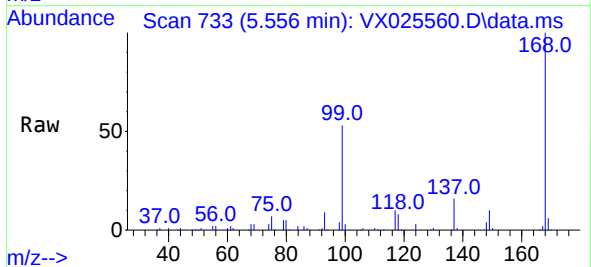


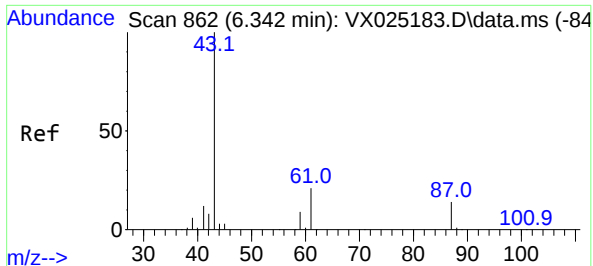
Tgt Ion: 75 Resp: 6445
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.3#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.111 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Tgt Ion: 117 Resp: 8995
Ion Ratio Lower Upper
117 100
119 3.5 75.6 113.4#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 3.422 ug/l

RT: 6.354 min Scan# 864

Delta R.T. 0.012 min

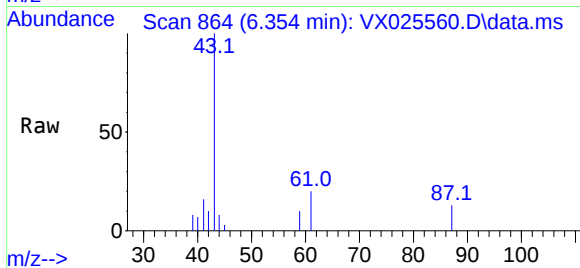
Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

Instrument :

MSVOA_X

ClientSampleId :



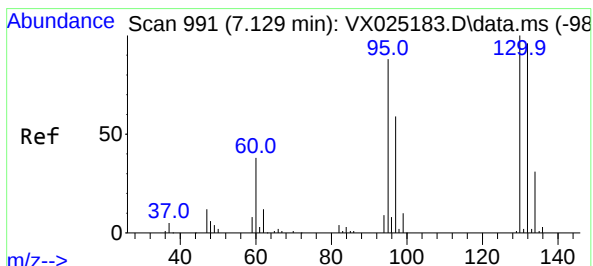
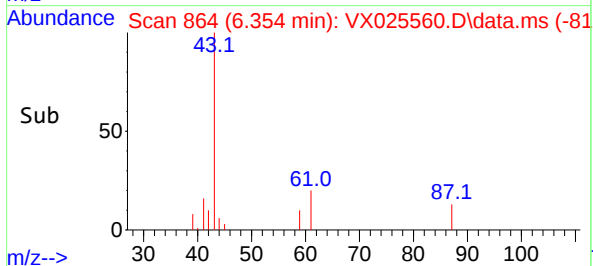
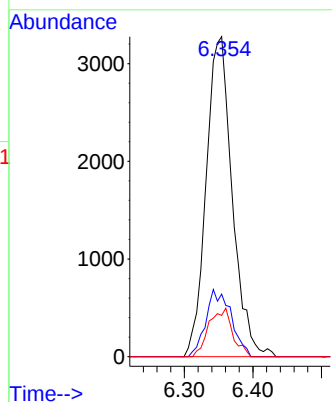
Tgt Ion: 43 Resp: 8659

Ion Ratio Lower Upper

43 100

61 20.3 15.3 22.9

87 13.7 10.9 16.3



#44

Trichloroethene

Concen: 0.225 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025560.D

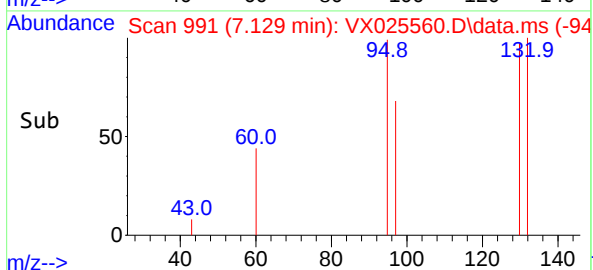
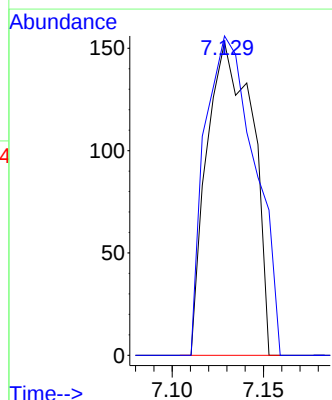
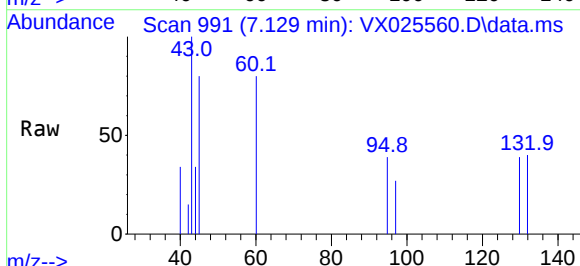
Acq: 06 Dec 2021 19:38

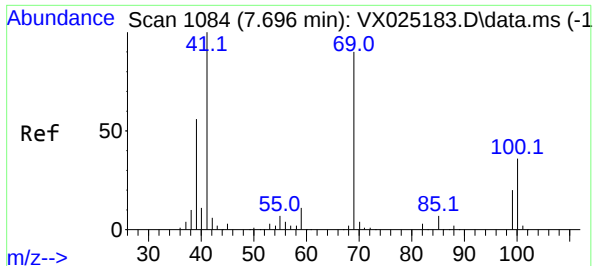
Tgt Ion:130 Resp: 265

Ion Ratio Lower Upper

130 100

95 102.0 0.0 196.8





#48

Methyl methacrylate

Concen: 2.113 ug/l

RT: 7.604 min Scan# 1069

Delta R.T. -0.092 min

Lab File: VX025560.D

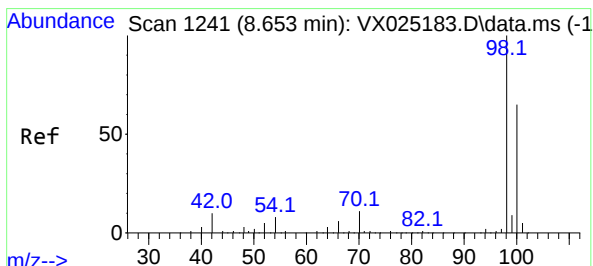
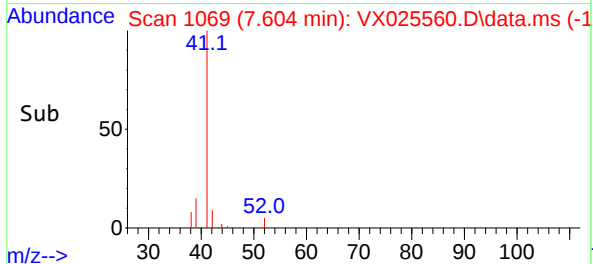
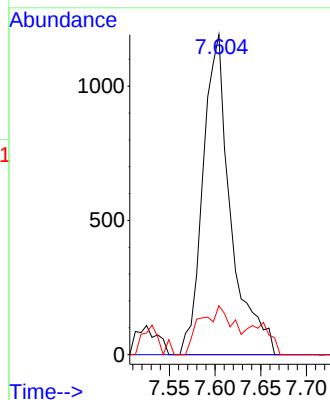
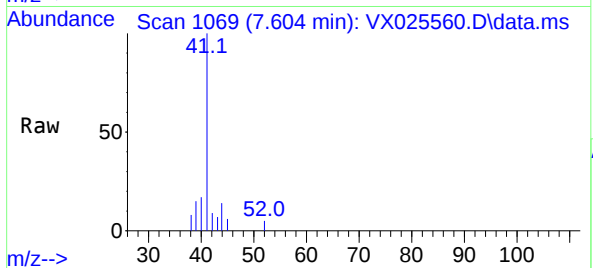
Acq: 06 Dec 2021 19:38

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	41	Resp:	2509
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.5	96.7#
39	0.0	46.9	70.3#



#50

Toluene-d8

Concen: 50.884 ug/l

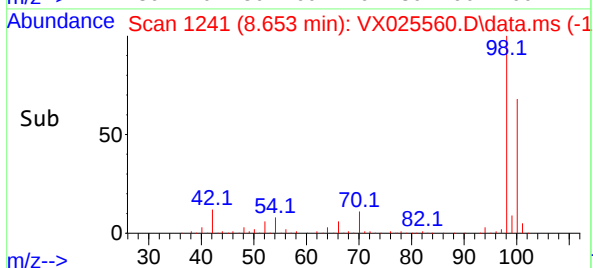
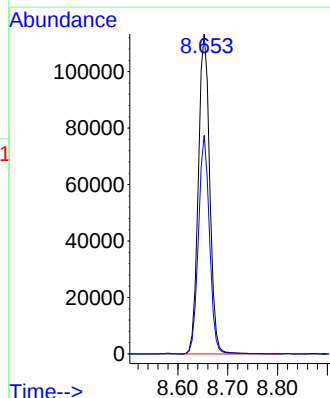
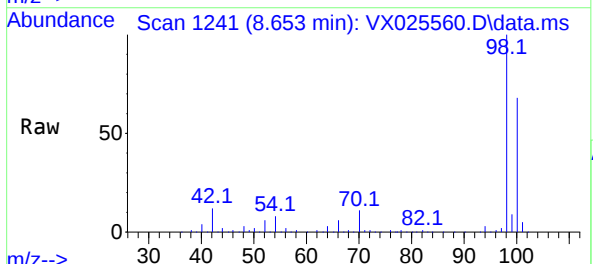
RT: 8.653 min Scan# 1241

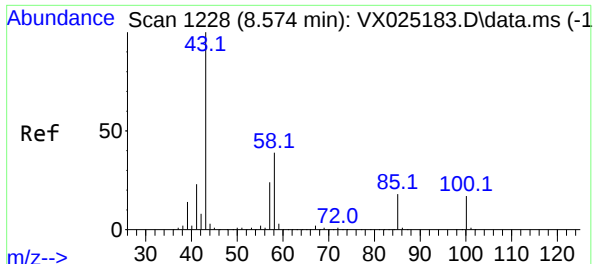
Delta R.T. -0.000 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

Tgt Ion:	98	Resp:	179809
Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 19.575 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. -0.019 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

Instrument :

MSVOA_X

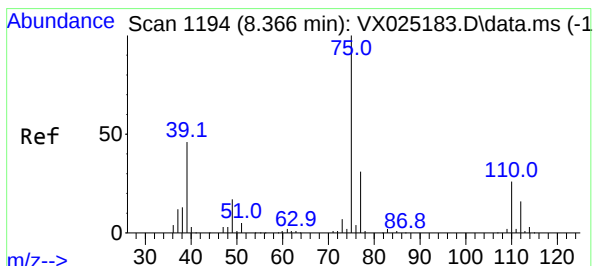
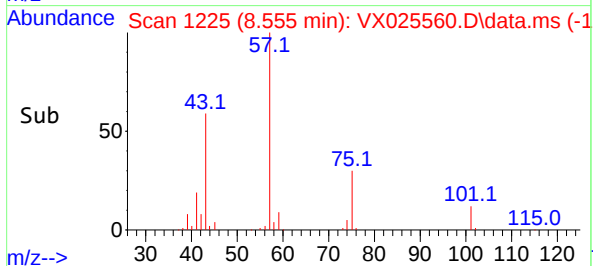
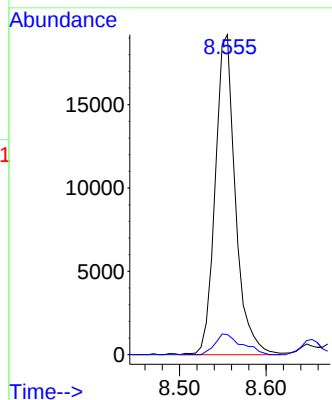
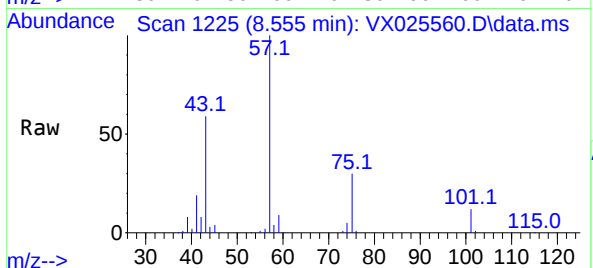
ClientSampleId :

Tgt Ion: 43 Resp: 31060

Ion Ratio Lower Upper

43 100

58 8.6 30.9 46.3#



#54

cis-1,3-Dichloropropene

Concen: 8.619 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.189 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

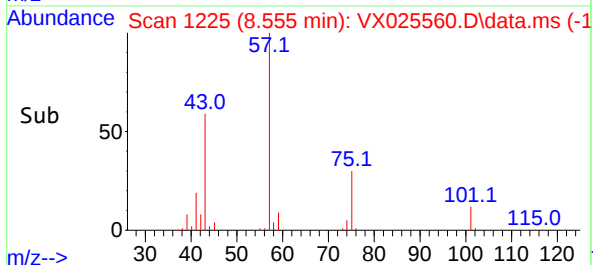
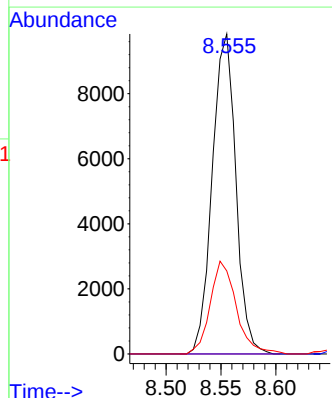
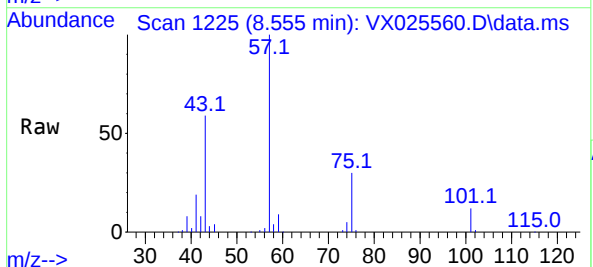
Tgt Ion: 75 Resp: 14738

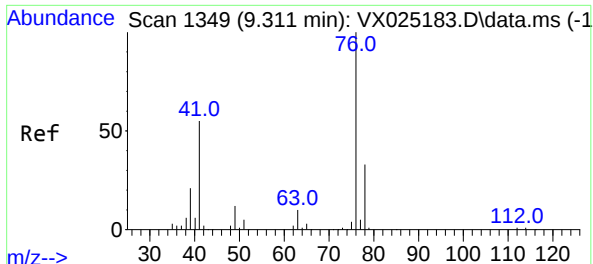
Ion Ratio Lower Upper

75 100

77 0.0 23.8 35.8#

39 25.9 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 5.177 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

Instrument :

MSVOA_X

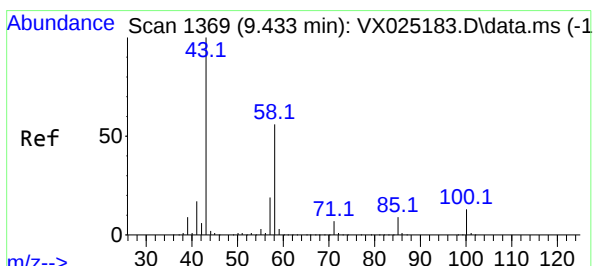
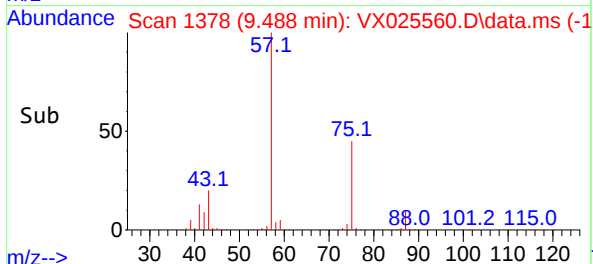
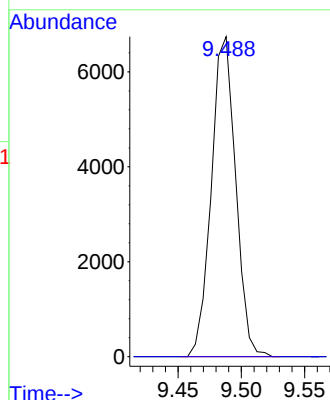
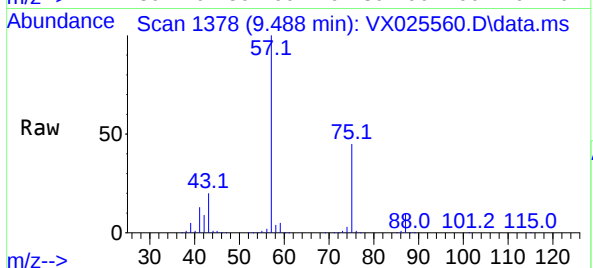
ClientSampleId :

Tgt Ion: 76 Resp: 9014

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 92.690 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX025560.D

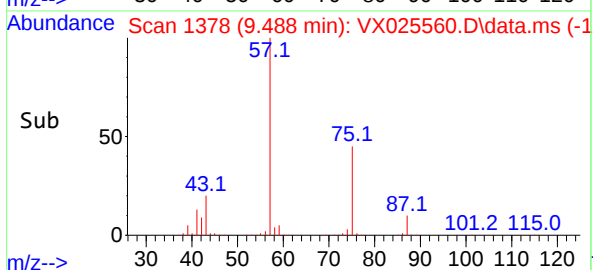
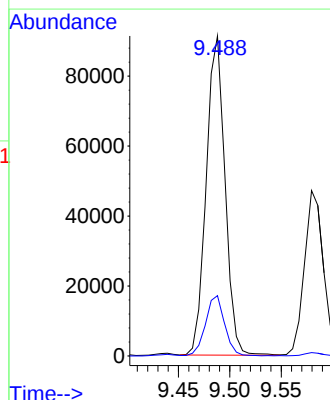
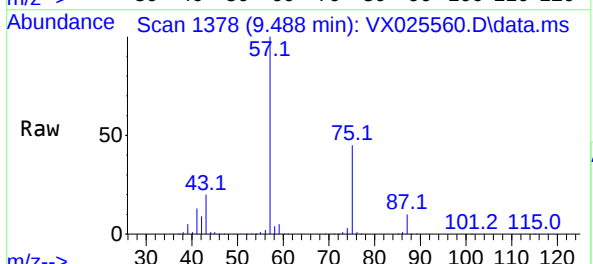
Acq: 06 Dec 2021 19:38

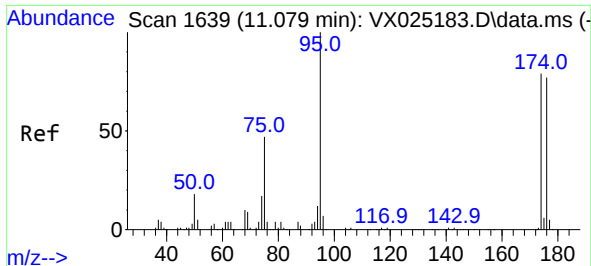
Tgt Ion: 43 Resp: 115949

Ion Ratio Lower Upper

43 100

58 19.4 26.6 79.7#





#62

4-Bromofluorobenzene

Concen: 45.930 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX025560.D

Acq: 06 Dec 2021 19:38

Instrument :

MSVOA_X

ClientSampleId :

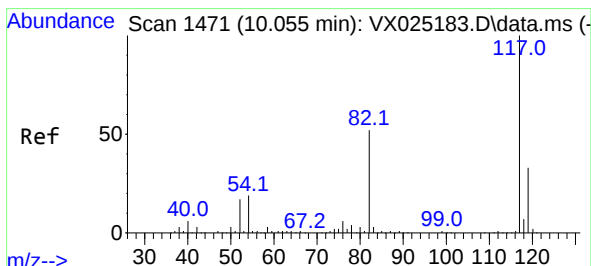
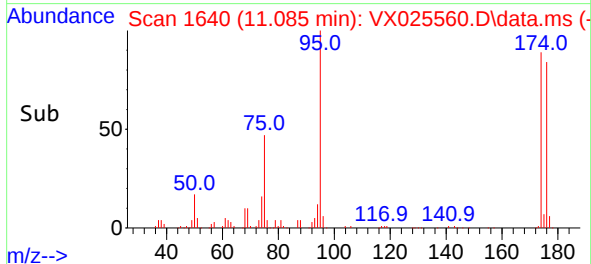
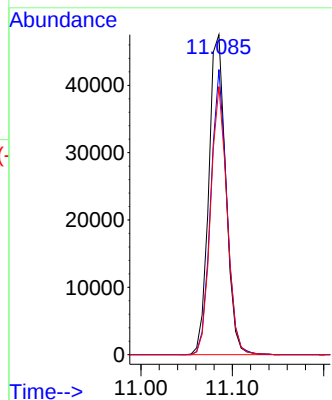
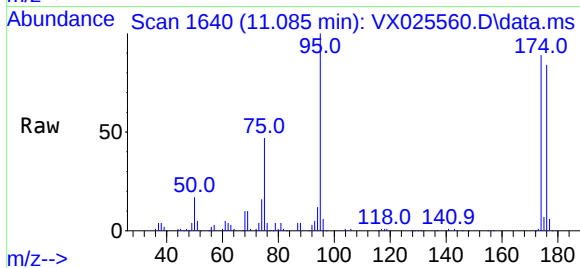
Tgt Ion: 95 Resp: 61401

Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.0

176 80.6 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: VX025560.D

Acq: 06 Dec 2021 19:38

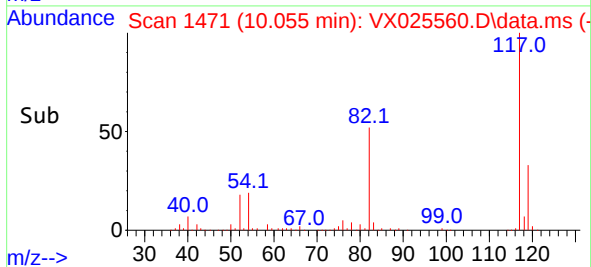
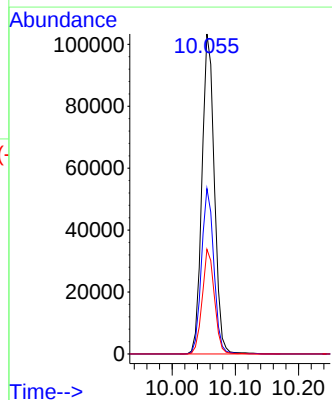
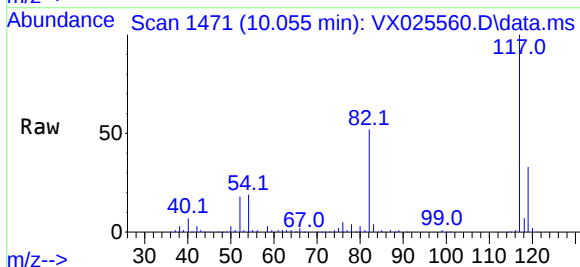
Tgt Ion: 117 Resp: 141303

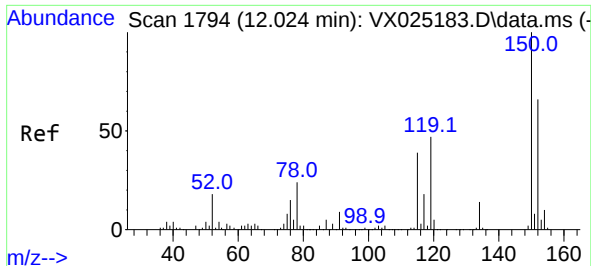
Ion Ratio Lower Upper

117 100

82 51.7 44.6 67.0

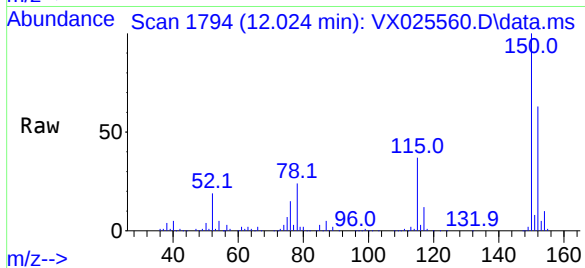
119 32.7 24.8 37.2



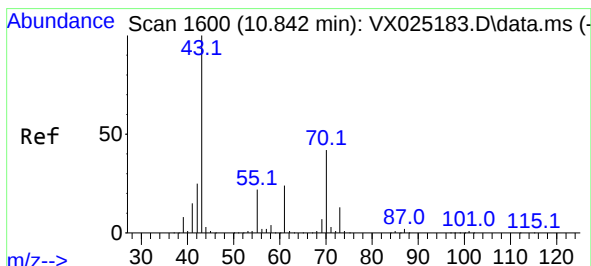
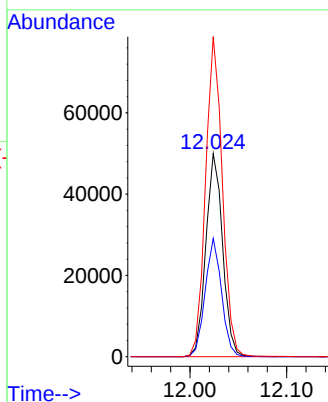
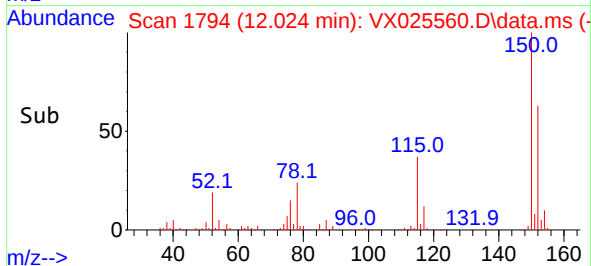


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

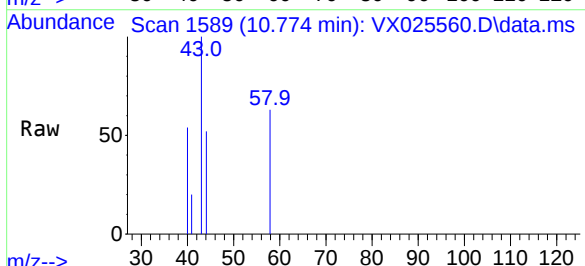
Instrument :
MSVOA_X
ClientSampleId :



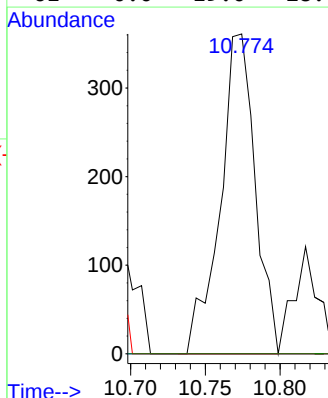
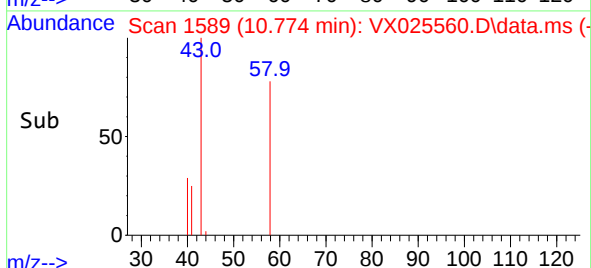
Tgt Ion:152 Resp: 60338
Ion Ratio Lower Upper
152 100
115 57.0 43.3 129.8
150 157.5 0.0 351.2

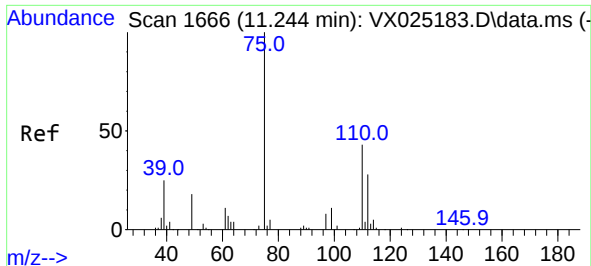


#74
N-ethyl acetate
Concen: 0.316 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.068 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38



Tgt Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
70 0.0 33.7 50.5#
55 0.0 19.7 29.5#
61 0.0 19.0 28.4#

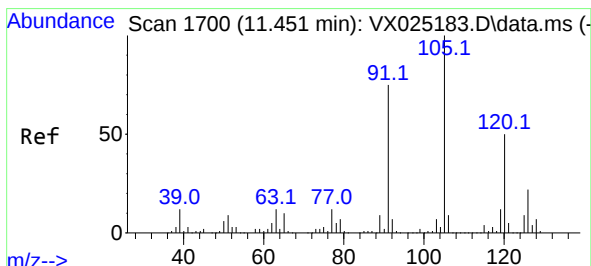
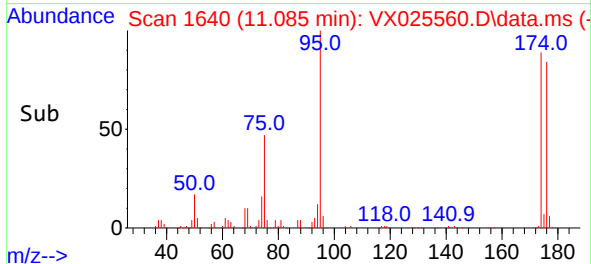
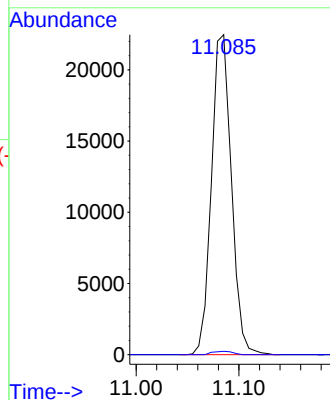
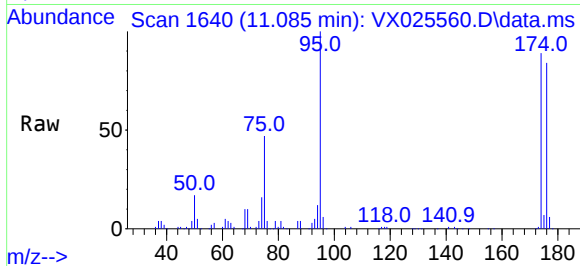




#76
1,2,3-Trichloropropane
Concen: 24.561 ug/l
RT: 11.085 min Scan# 110
Delta R.T. -0.159 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

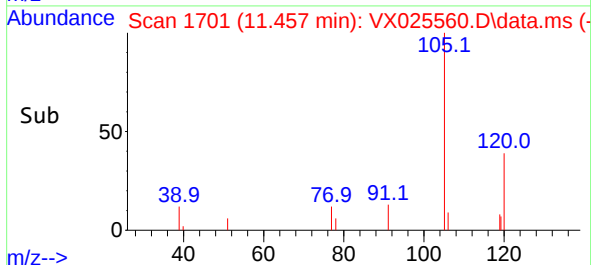
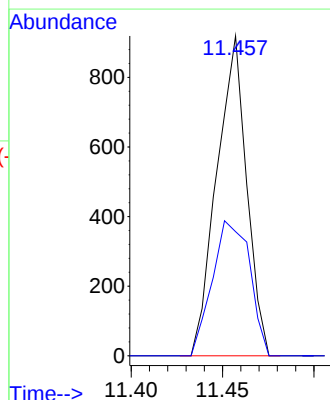
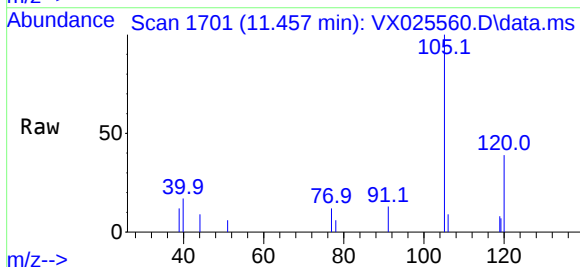
Instrument :
MSVOA_X
ClientSampleId :

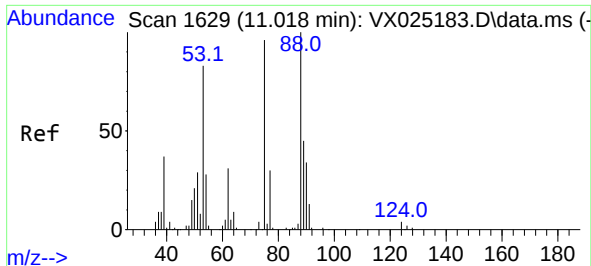
Tgt Ion: 75 Resp: 30347
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.289 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Tgt Ion: 105 Resp: 1045
Ion Ratio Lower Upper
105 100
120 52.9 23.8 71.5

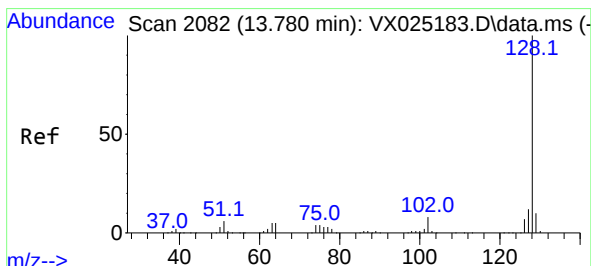
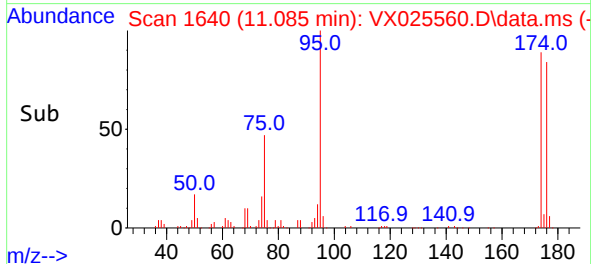
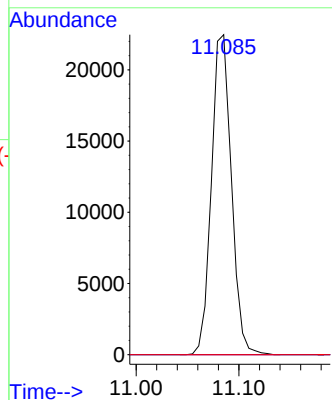
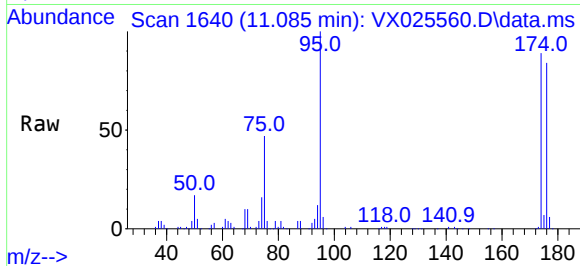




#81
trans-1,4-Dichloro-2-butene
Concen: 61.872 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 30347
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025560.D
Acq: 06 Dec 2021 19:38

Tgt Ion:128 Resp: 19
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

