

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022322\
 Data File : VX027155.D
 Acq On : 23 Feb 2022 18:56
 Operator : JC/MD
 Sample : N1647-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31382

Quant Time: Feb 24 03:33:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

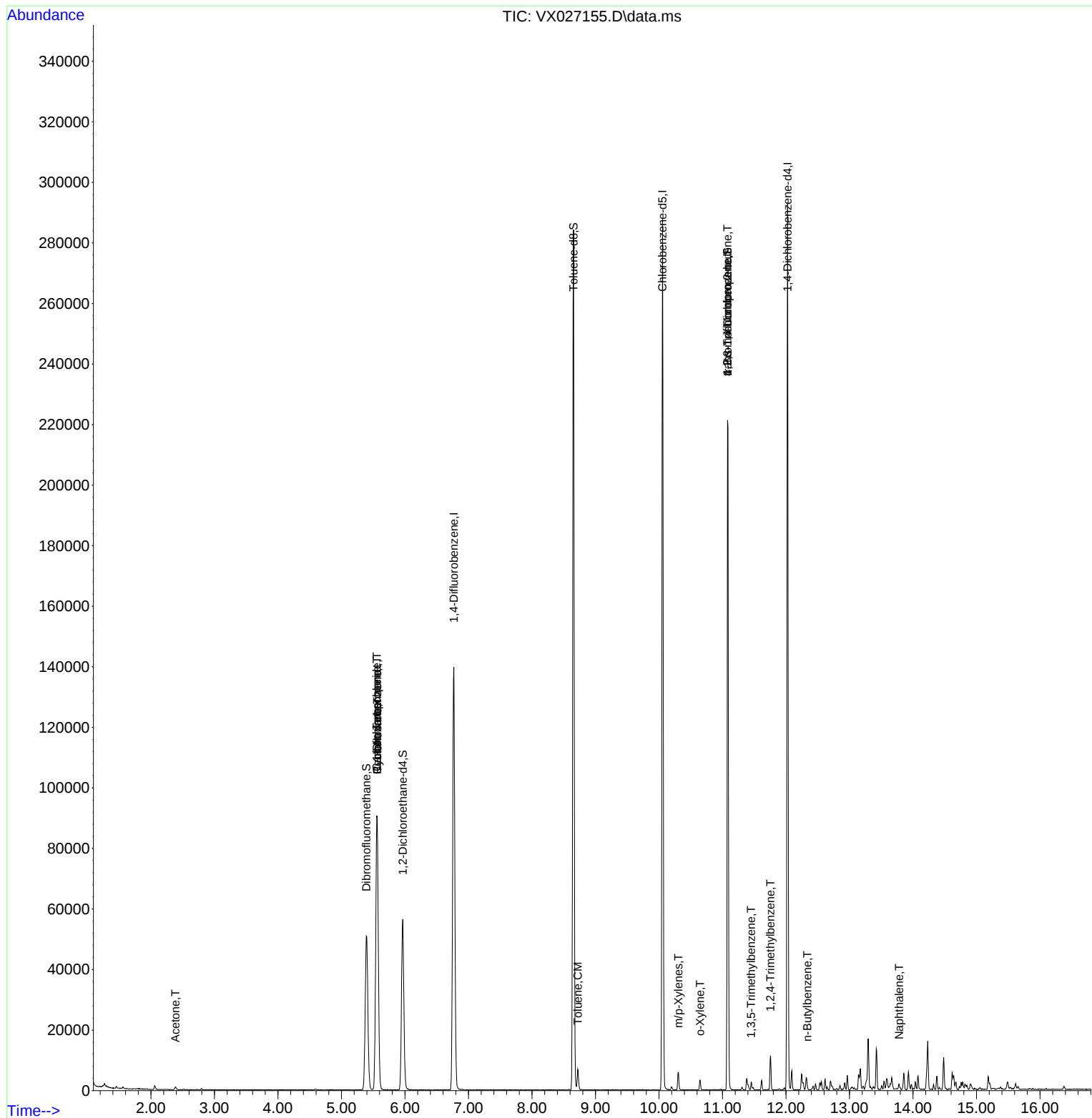
Internal Standards						
1) Pentafluorobenzene	5.562	168	89331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	147595	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52728	49.147	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.300%
35) Dibromofluoromethane	5.391	113	45639	49.816	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.640%
50) Toluene-d8	8.653	98	168788	49.273	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.540%
62) 4-Bromofluorobenzene	11.079	95	63079	47.972	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.940%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	75	Below Cal	#	77
16) Acetone	2.386	43	1159	2.460	ug/l	96
31) Cyclohexane	5.562	56	1560	0.971	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6439	4.816	ug/l #	50
38) Carbon Tetrachloride	5.556	117	8800	6.311	ug/l #	18
52) Toluene	8.720	92	2599	1.038	ug/l	100
68) m/p-Xylenes	10.305	106	1456	0.801	ug/l	96
69) o-Xylene	10.647	106	747	0.410	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	30680	25.018	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	1303	0.356	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	30680	70.851	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	5426	1.489	ug/l	100
89) n-Butylbenzene	12.335	91	826	0.260	ug/l #	41
95) Naphthalene	13.780	128	1458	0.341	ug/l	98

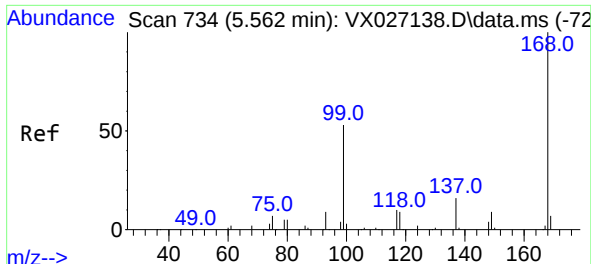
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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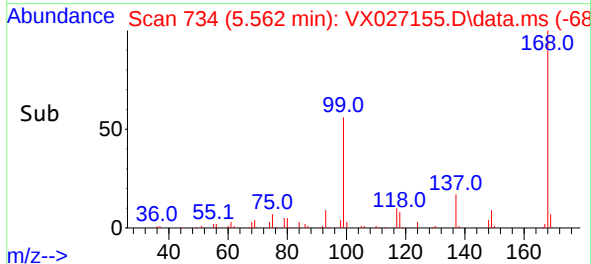
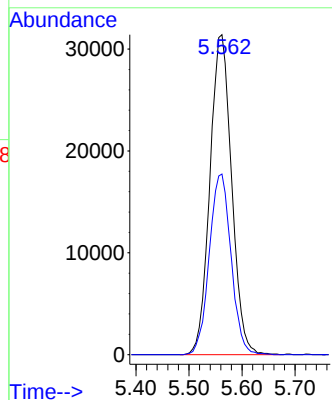
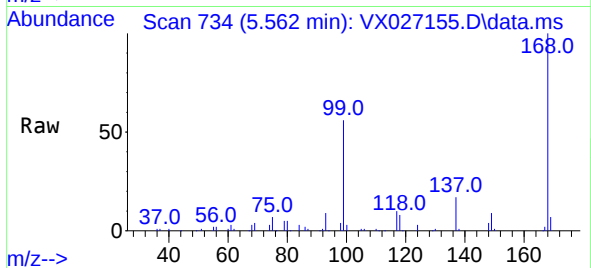




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

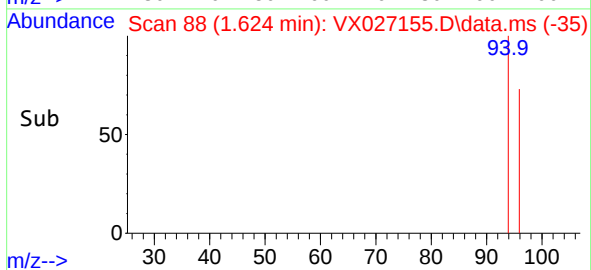
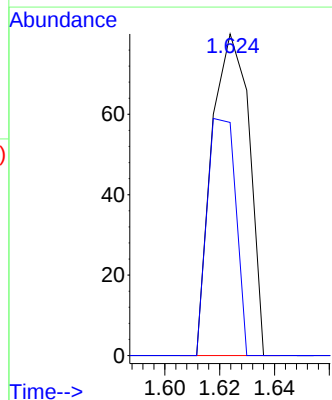
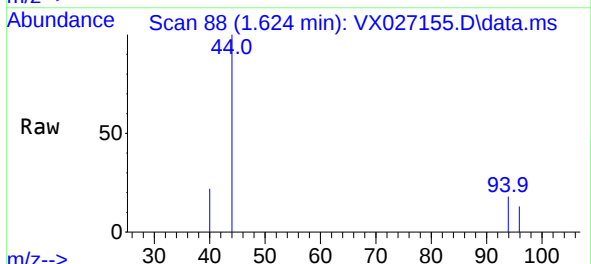
Instrument :
MSVOA_X
ClientSampleId :
31382

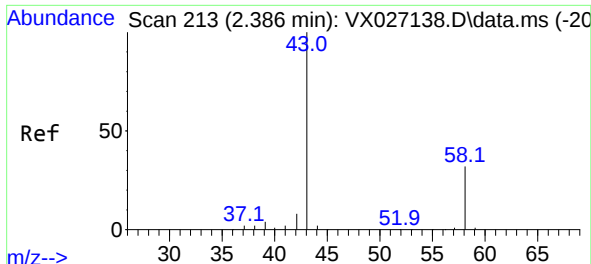
Tgt Ion:168 Resp: 89331
Ion Ratio Lower Upper
168 100
99 56.4 50.3 75.5



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

Tgt Ion: 94 Resp: 75
Ion Ratio Lower Upper
94 100
96 72.5 75.9 113.9#

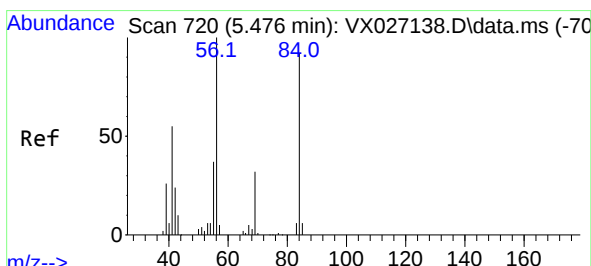
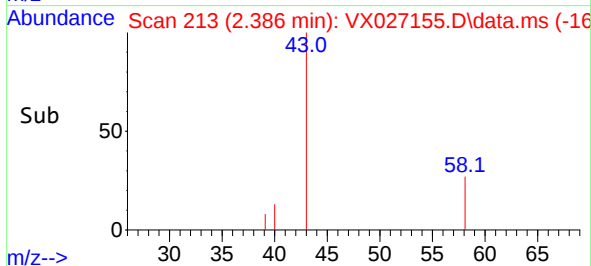
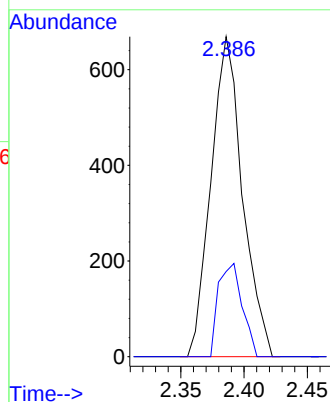
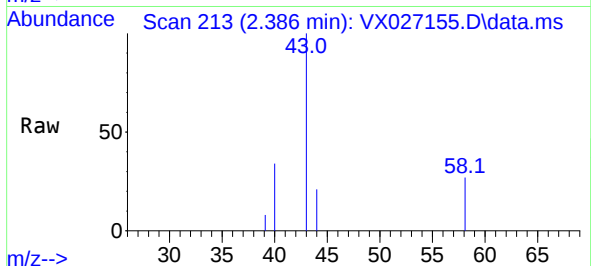




#16
Acetone
Concen: 2.460 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

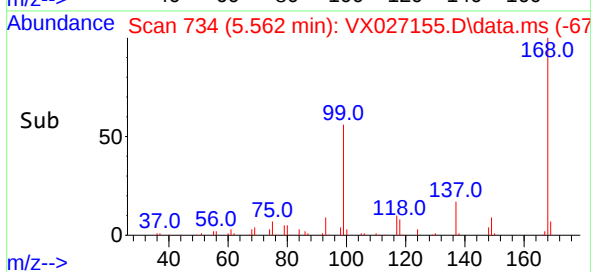
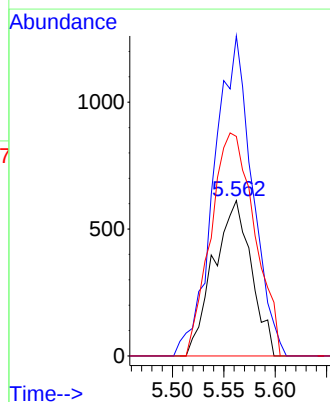
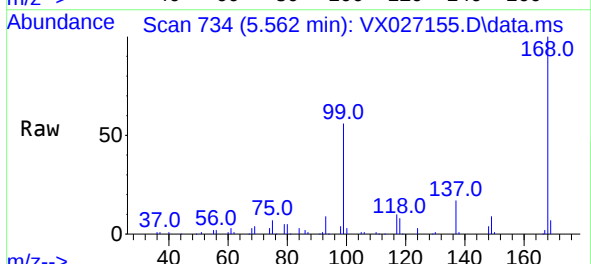
Instrument :
MSVOA_X
ClientSampleId :
31382

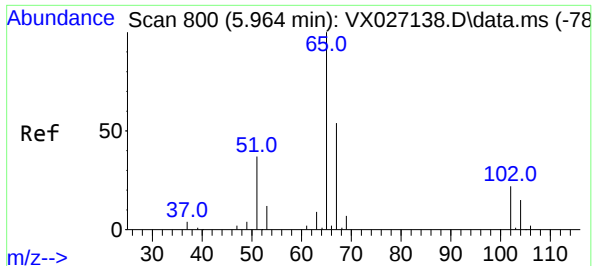
Tgt Ion: 43 Resp: 1159
Ion Ratio Lower Upper
43 100
58 26.6 23.0 34.6



#31
Cyclohexane
Concen: 0.971 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

Tgt Ion: 56 Resp: 1560
Ion Ratio Lower Upper
56 100
69 197.5 25.8 38.6#
84 141.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 49.147 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX027155.D

Acq: 23 Feb 2022 18:56

Instrument :

MSVOA_X

ClientSampleId :

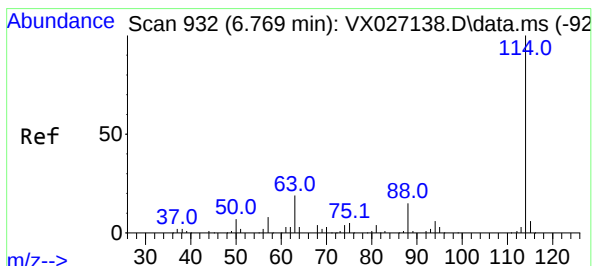
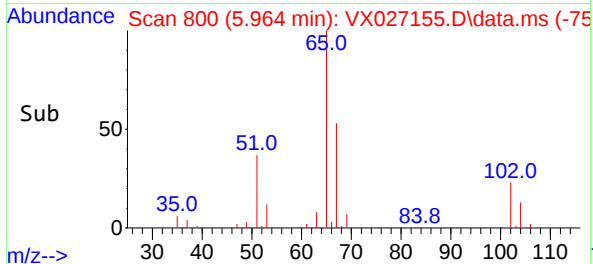
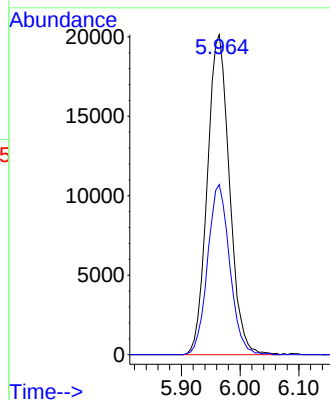
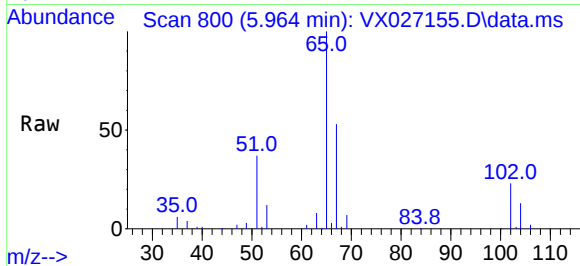
31382

Tgt Ion: 65 Resp: 52728

Ion Ratio Lower Upper

65 100

67 53.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX027155.D

Acq: 23 Feb 2022 18:56

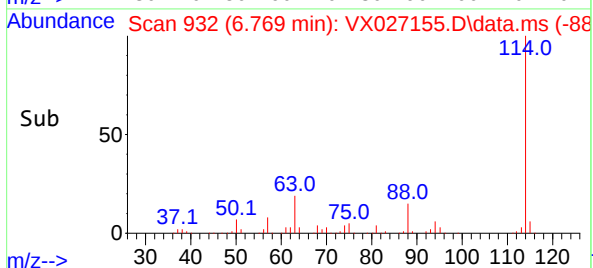
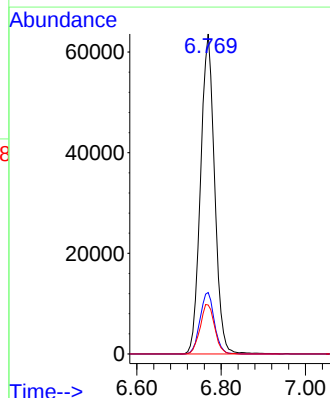
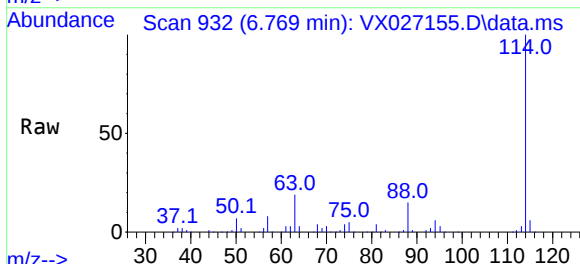
Tgt Ion: 114 Resp: 147595

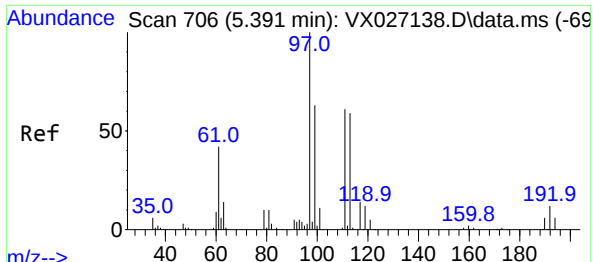
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.8

88 15.3 0.0 33.0

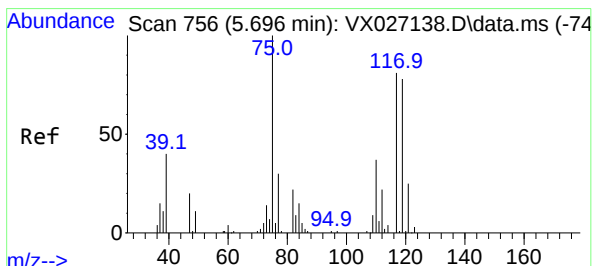
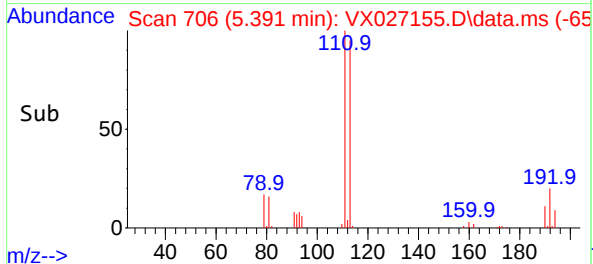
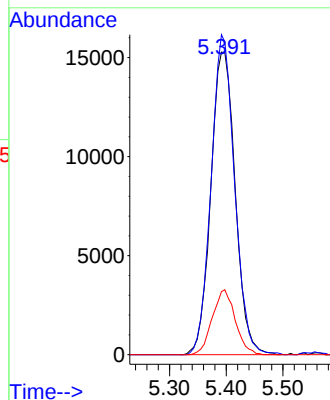
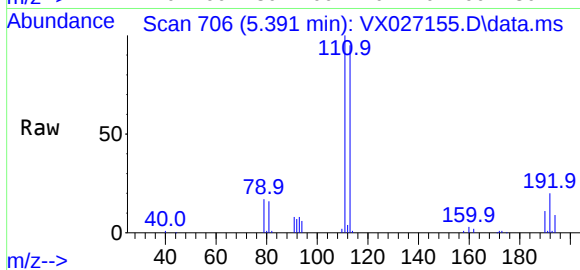




#35
Dibromofluoromethane
Concen: 49.816 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

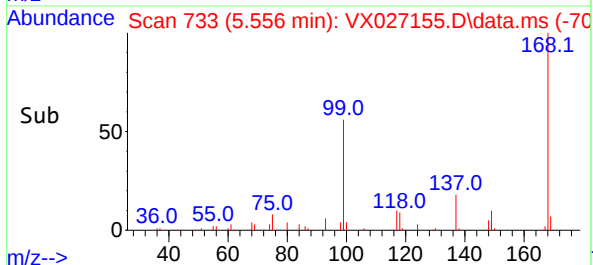
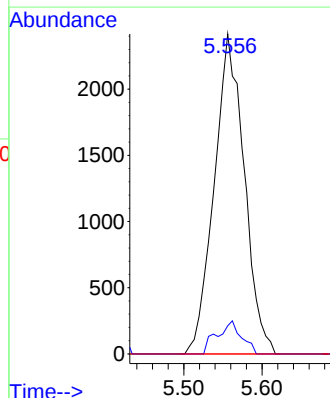
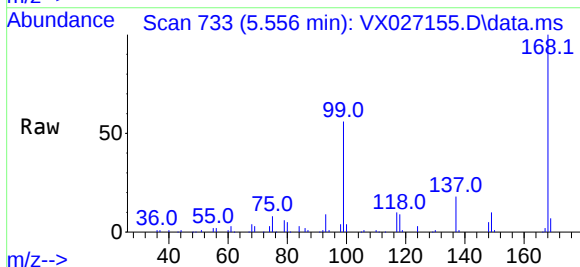
Instrument :
MSVOA_X
ClientSampleId :
31382

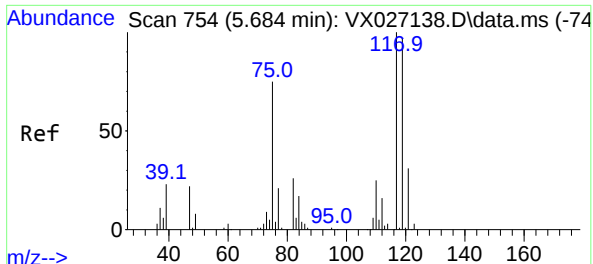
Tgt Ion:113 Resp: 45639
Ion Ratio Lower Upper
113 100
111 101.7 81.2 121.8
192 20.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.816 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

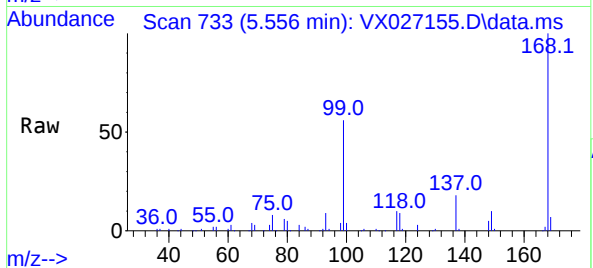
Tgt Ion: 75 Resp: 6439
Ion Ratio Lower Upper
75 100
110 8.4 17.2 51.6#
77 0.0 24.6 36.8#



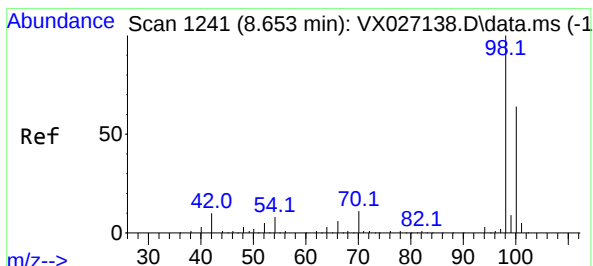
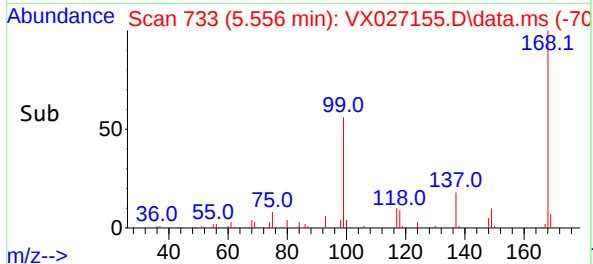
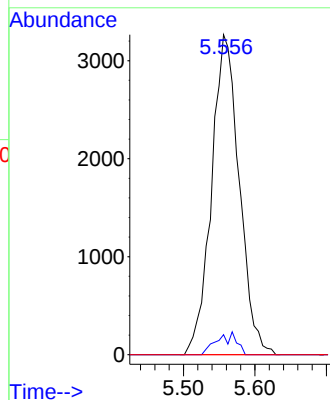


#38
Carbon Tetrachloride
Concen: 6.311 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.128 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

Instrument :
MSVOA_X
ClientSampleId :
31382

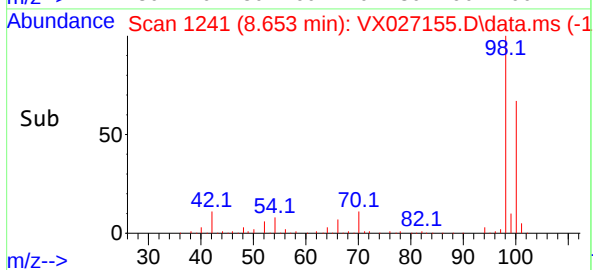
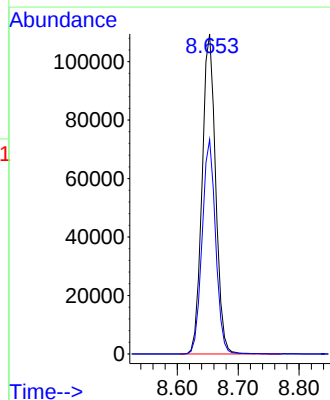
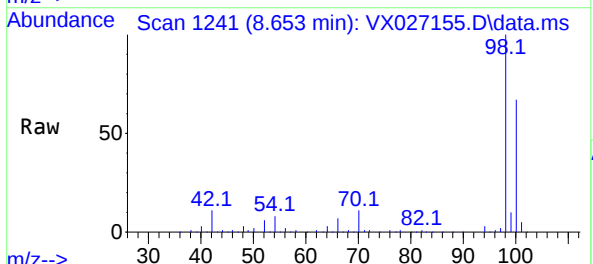


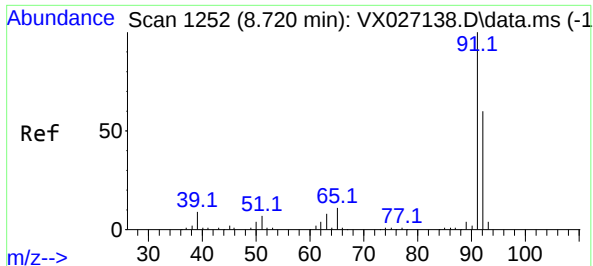
Tgt Ion:117 Resp: 8800
Ion Ratio Lower Upper
117 100
119 6.2 74.7 112.1#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 49.273 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

Tgt Ion: 98 Resp: 168788
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8





#52

Toluene

Concen: 1.038 ug/l

RT: 8.720 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027155.D

Acq: 23 Feb 2022 18:56

Instrument :

MSVOA_X

ClientSampleId :

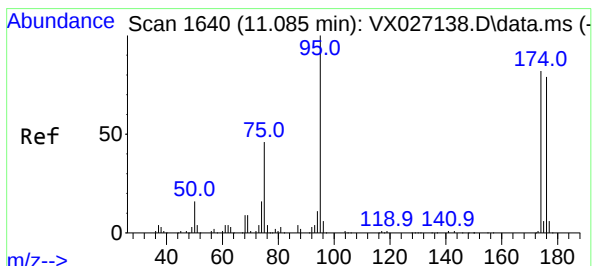
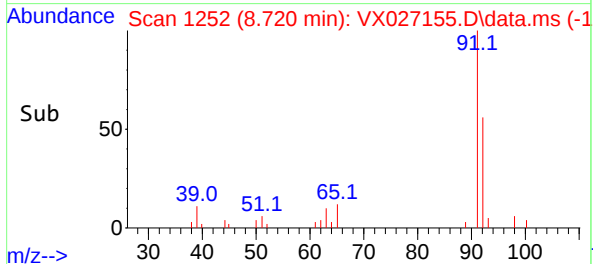
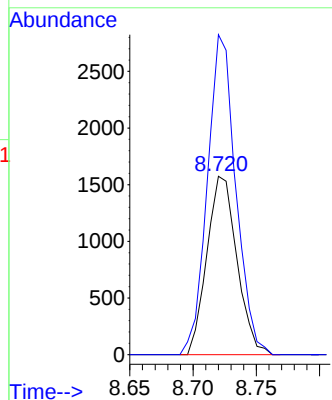
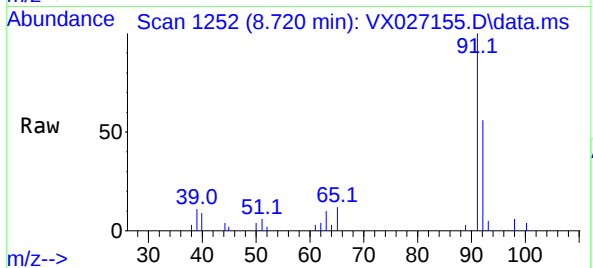
31382

Tgt Ion: 92 Resp: 2599

Ion Ratio Lower Upper

92 100

91 170.0 135.7 203.5



#62

4-Bromofluorobenzene

Concen: 47.972 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX027155.D

Acq: 23 Feb 2022 18:56

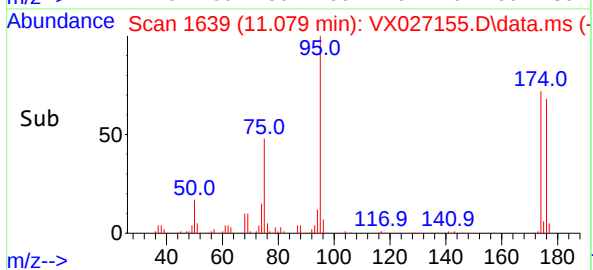
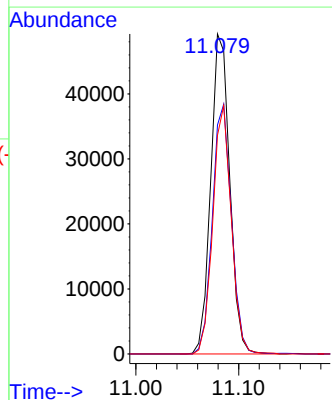
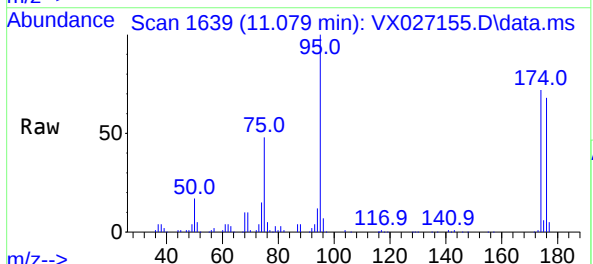
Tgt Ion: 95 Resp: 63079

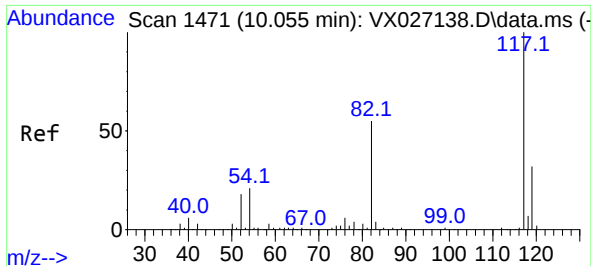
Ion Ratio Lower Upper

95 100

174 78.3 0.0 148.6

176 75.4 0.0 141.4

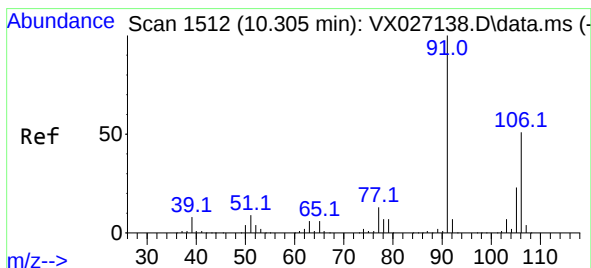
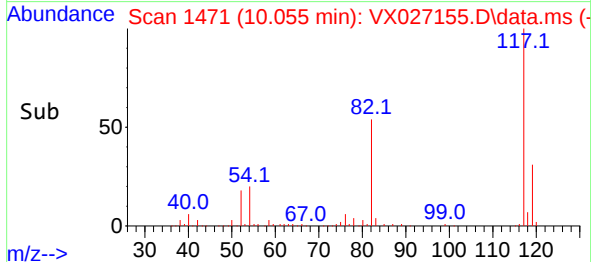
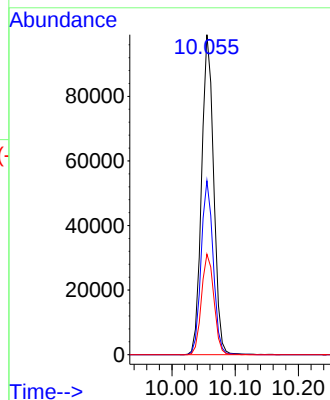
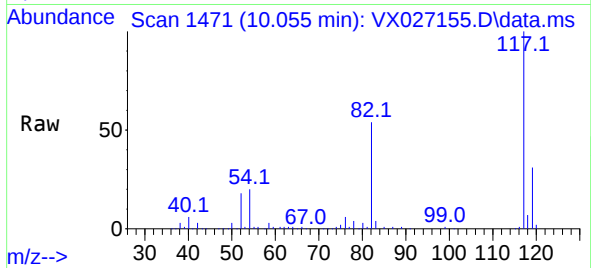




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

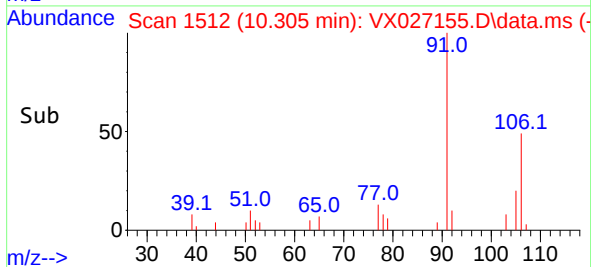
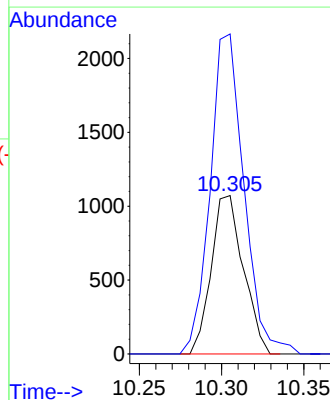
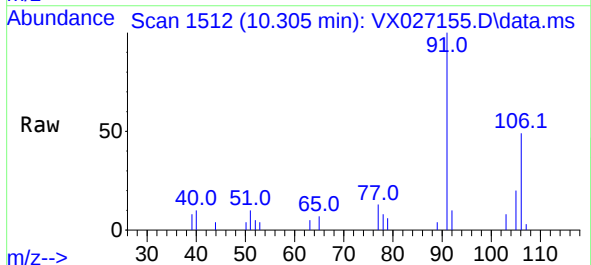
Instrument :
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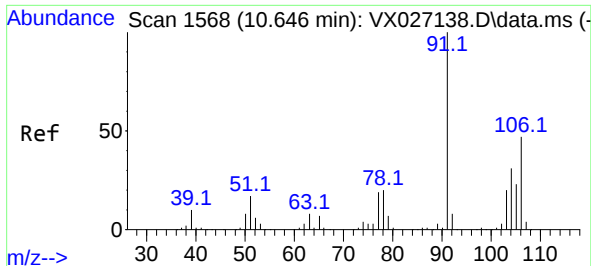
Tgt Ion:117 Resp: 132053
Ion Ratio Lower Upper
117 100
82 54.3 45.2 67.8
119 31.4 26.2 39.2



#68
m/p-Xylenes
Concen: 0.801 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

Tgt Ion:106 Resp: 1456
Ion Ratio Lower Upper
106 100
91 212.9 165.3 247.9

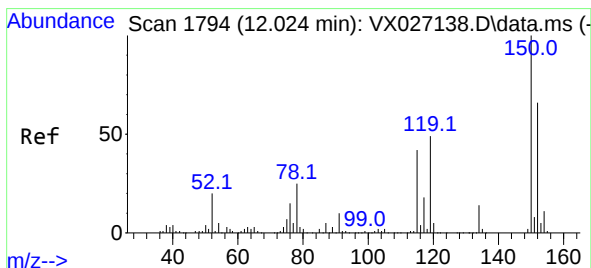
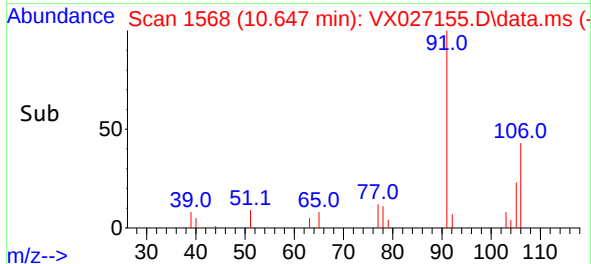
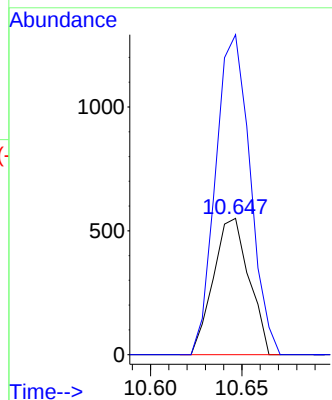
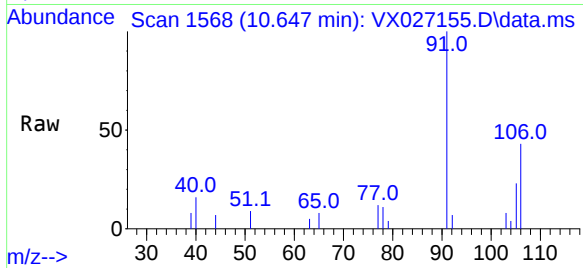




#69
o-Xylene
Concen: 0.410 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

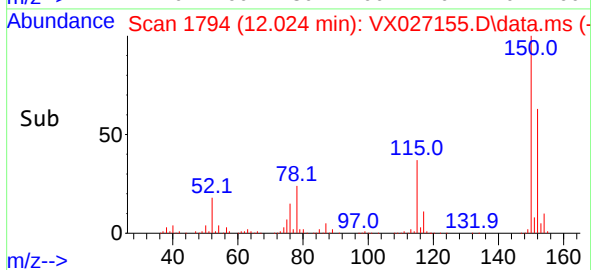
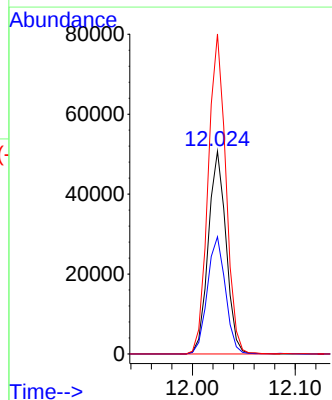
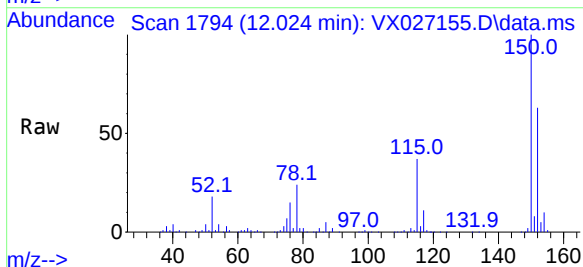
Instrument :
MSVOA_X
ClientSampleId :
31382

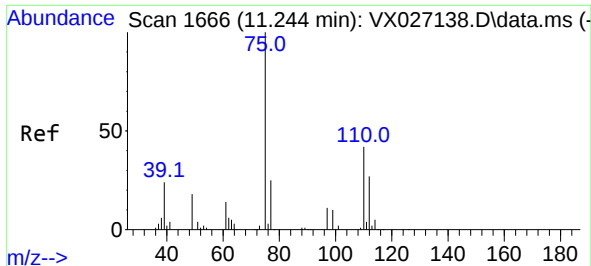
Tgt Ion:106 Resp: 747
Ion Ratio Lower Upper
106 100
91 227.4 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

Tgt Ion:152 Resp: 60883
Ion Ratio Lower Upper
152 100
115 58.9 44.2 132.6
150 157.9 0.0 348.2

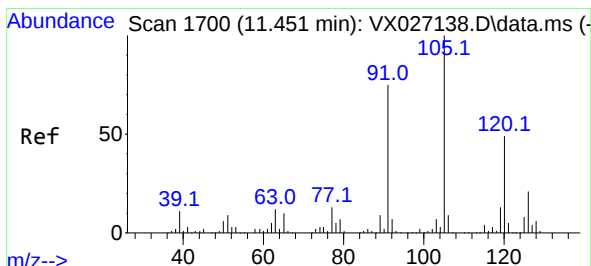
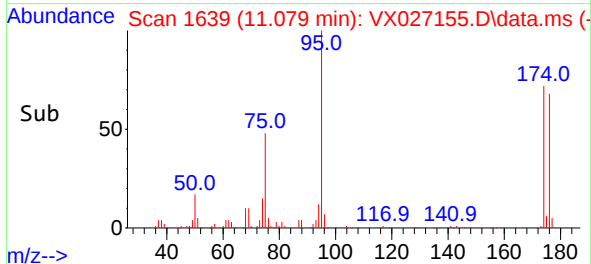
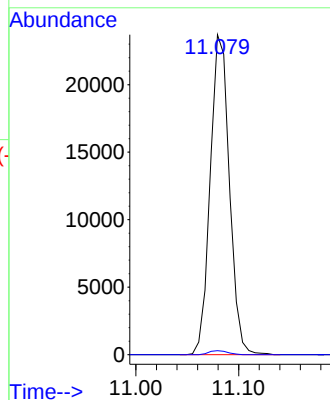
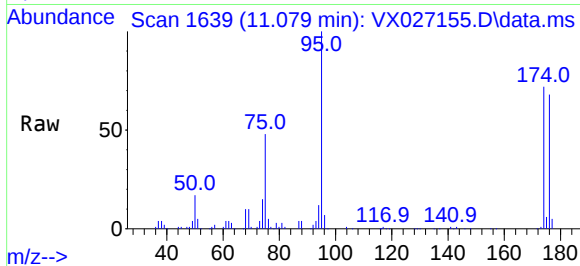




#76
1,2,3-Trichloropropane
Concen: 25.018 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

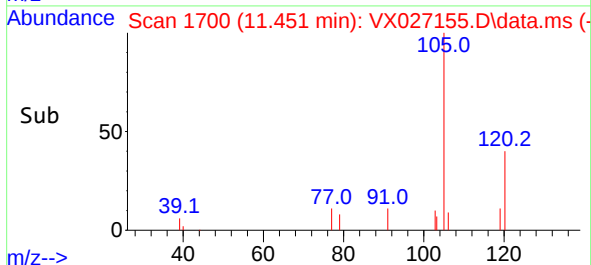
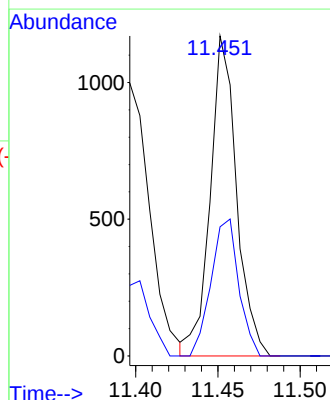
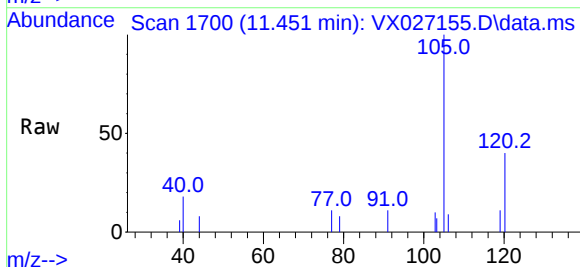
Instrument :
MSVOA_X
ClientSampleId :
31382

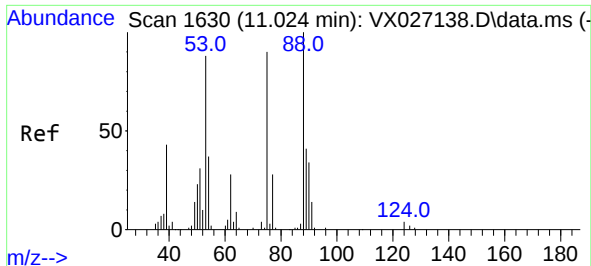
Tgt Ion: 75 Resp: 30680
Ion Ratio Lower Upper
75 100
77 1.2 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

Tgt Ion: 105 Resp: 1303
Ion Ratio Lower Upper
105 100
120 45.0 24.0 72.0

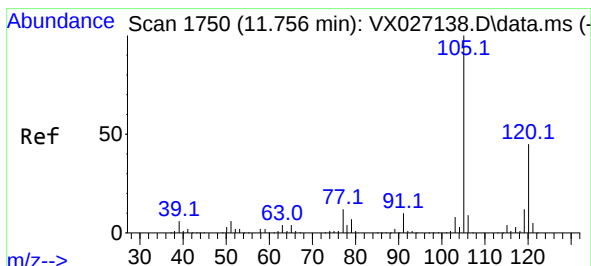
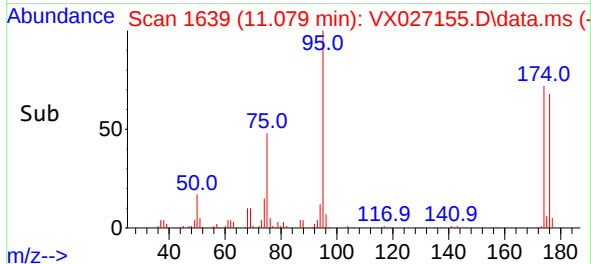
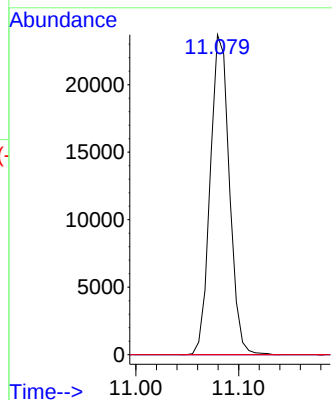
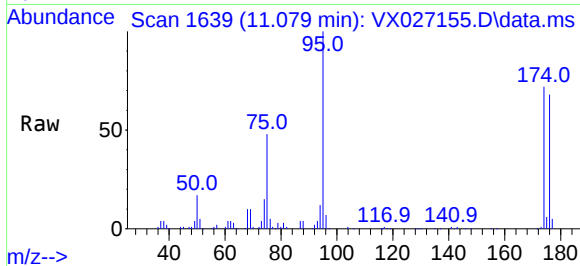




#81
trans-1,4-Dichloro-2-butene
Concen: 70.851 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

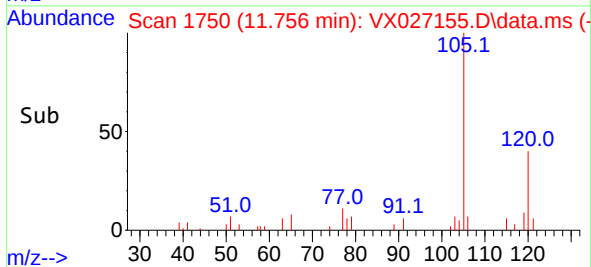
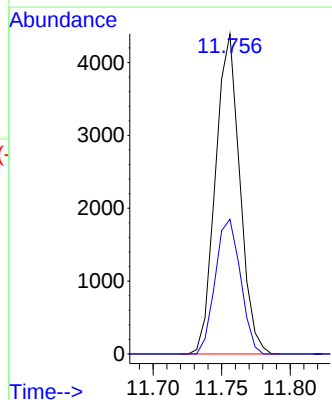
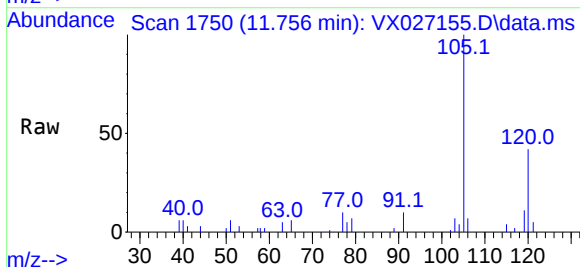
Instrument :
MSVOA_X
ClientSampleId :
31382

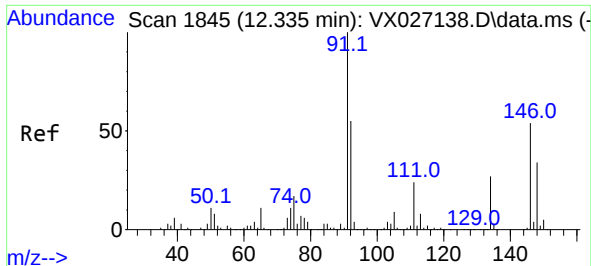
Tgt Ion: 75 Resp: 30680
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.489 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027155.D
Acq: 23 Feb 2022 18:56

Tgt Ion: 105 Resp: 5426
Ion Ratio Lower Upper
105 100
120 43.5 21.9 65.5





#89

n-Butylbenzene

Concen: 0.260 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX027155.D

Acq: 23 Feb 2022 18:56

Instrument :

MSVOA_X

ClientSampleId :

31382

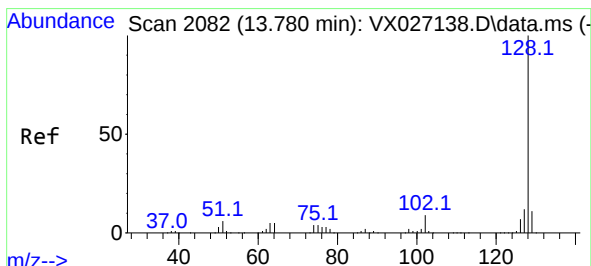
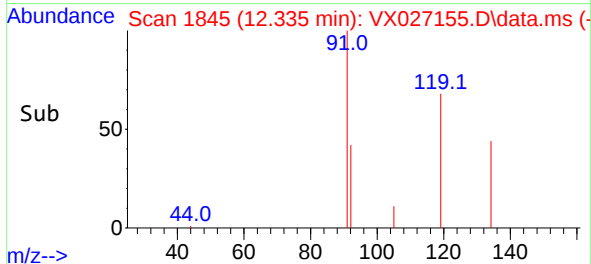
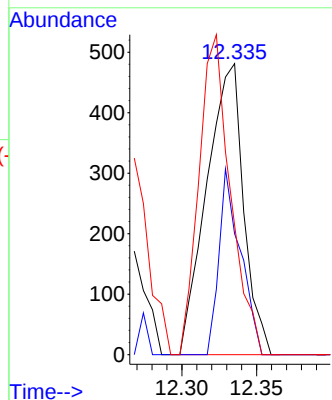
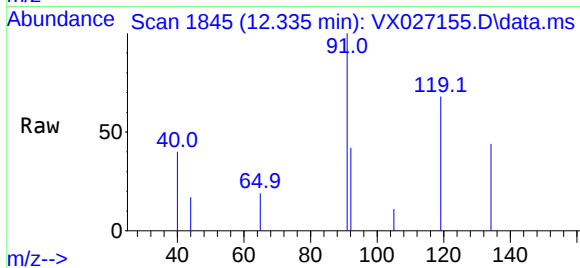
Tgt Ion: 91 Resp: 826

Ion Ratio Lower Upper

91 100

92 37.0 27.2 81.6

134 93.6 13.1 39.1#



#95

Naphthalene

Concen: 0.341 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX027155.D

Acq: 23 Feb 2022 18:56

Tgt Ion: 128 Resp: 1458

Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

129 10.4 8.7 13.1

