

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112724\
 Data File : VX044044.D
 Acq On : 27 Nov 2024 16:34
 Operator : JC/MD
 Sample : P5021-02 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

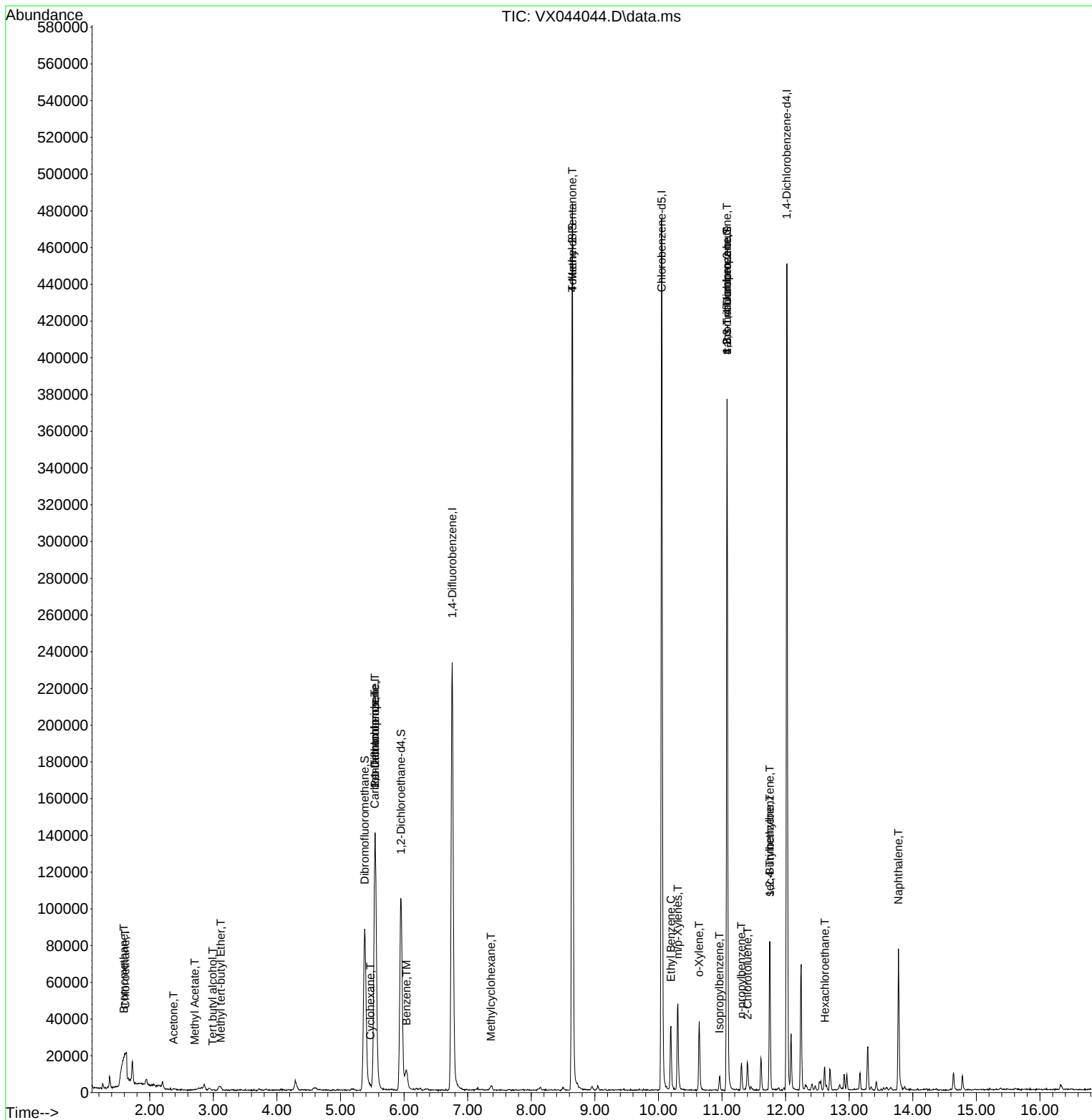
Quant Time: Nov 28 00:52:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

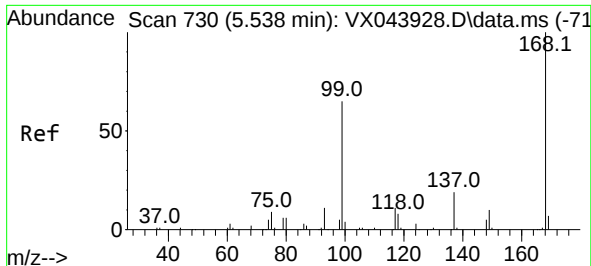
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	116982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	228425	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	199338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	105413	52.537	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 105.080%		
35) Dibromofluoromethane	5.379	113	75942	46.527	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 93.060%		
50) Toluene-d8	8.647	98	278171	49.440	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 98.880%		
62) 4-Bromofluorobenzene	11.079	95	96919	50.615	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 101.240%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	345	0.338	ug/l #	3
6) Chloroethane	1.618	64	203	0.201	ug/l	93
11) Tert butyl alcohol	2.989	59	81	0.252	ug/l #	73
16) Acetone	2.374	43	531	0.576	ug/l #	46
18) Methyl Acetate	2.709	43	548	0.255	ug/l #	60
19) Methyl tert-butyl Ether	3.117	73	1478	0.302	ug/l #	66
31) Cyclohexane	5.471	56	1562	0.698	ug/l	88
36) 1,1-Dichloropropene	5.544	75	11546	5.677	ug/l #	50
38) Carbon Tetrachloride	5.538	117	14055	6.150	ug/l #	16
39) Methylcyclohexane	7.367	83	1084	0.410	ug/l #	79
40) Benzene	6.038	78	12633	1.994	ug/l	93
51) 4-Methyl-2-Pentanone	8.647	43	1586	0.647	ug/l #	1
67) Ethyl Benzene	10.195	91	21873	2.948	ug/l	94
68) m/p-Xylenes	10.305	106	11557	4.177	ug/l	97
69) o-Xylene	10.640	106	8077	2.990	ug/l	97
73) Isopropylbenzene	10.957	105	4117	0.635	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	55627	30.061	ug/l #	34
78) n-propylbenzene	11.305	91	9997	1.380	ug/l	95
79) 2-Chlorotoluene	11.403	91	1278	0.279	ug/l #	41
81) trans-1,4-Dichloro-2-b...	11.079	75	55627	82.029	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.750	105	34458	6.486	ug/l	97
85) sec-Butylbenzene	11.750	105	34458	5.317	ug/l #	57
90) Hexachloroethane	12.616	117	623	0.696	ug/l #	18
95) Naphthalene	13.774	128	47846	7.927	ug/l	99

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

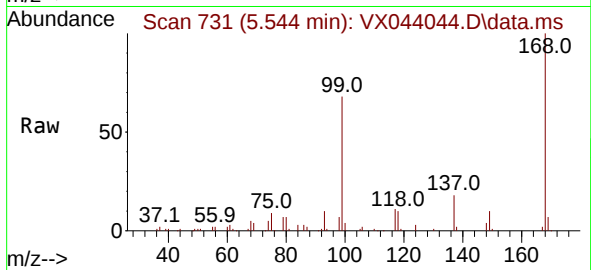
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



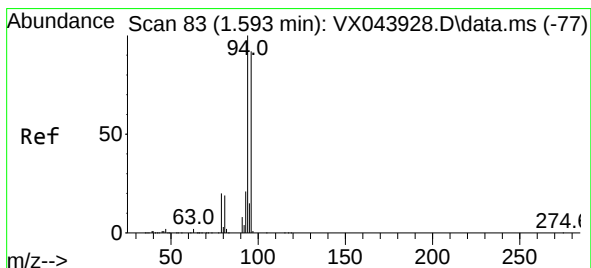
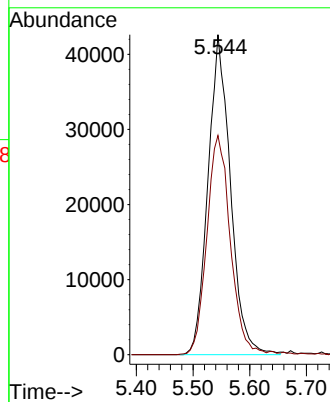
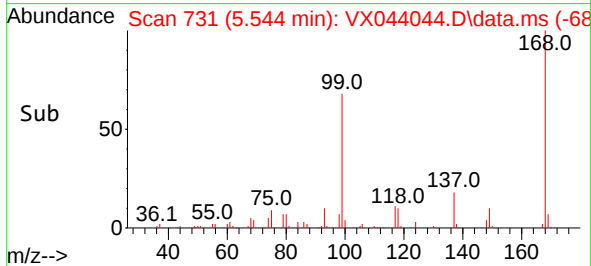


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

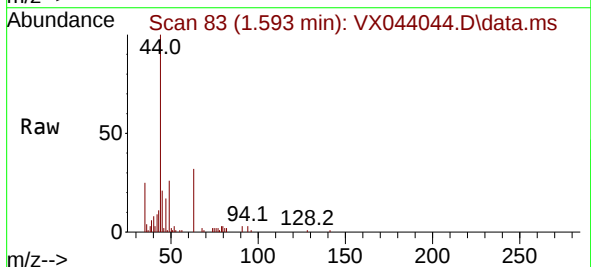
Instrument :
MSVOA_X
ClientSampleId :



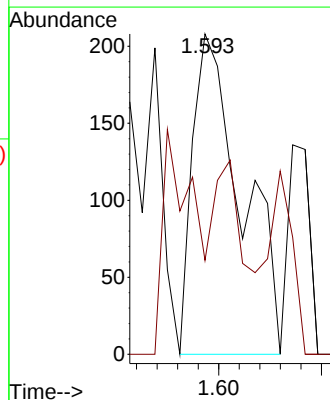
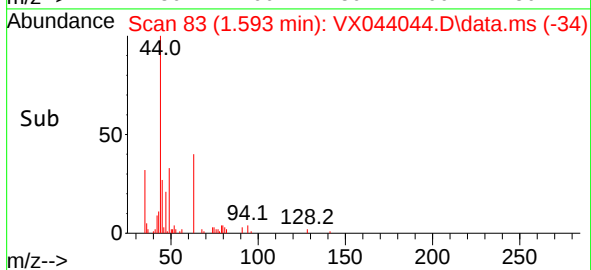
Tgt Ion:168 Resp: 116982
Ion Ratio Lower Upper
168 100
99 68.3 51.8 77.8

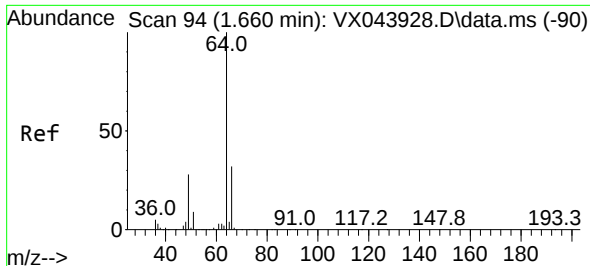


#5
Bromomethane
Concen: 0.338 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34



Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 0.0 73.9 110.9#

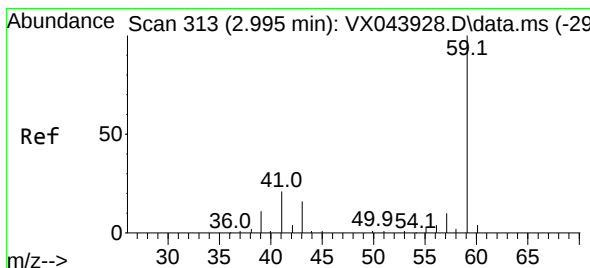
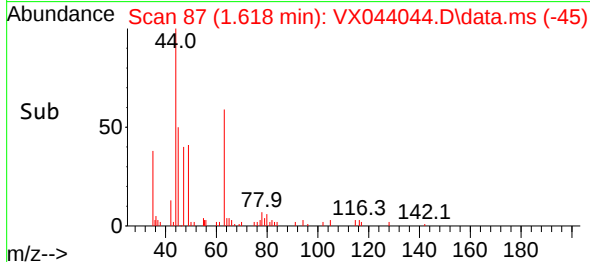
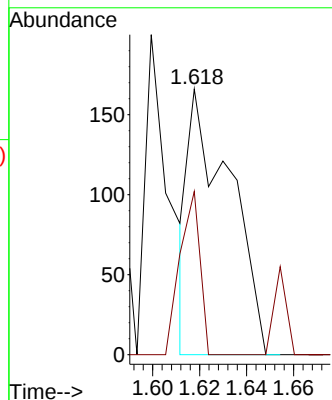
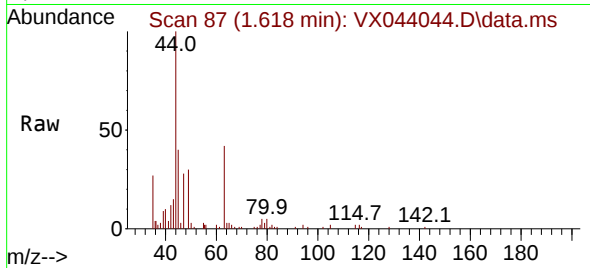




#6
Chloroethane
Concen: 0.201 ug/l
RT: 1.618 min Scan# 81
Delta R.T. -0.043 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

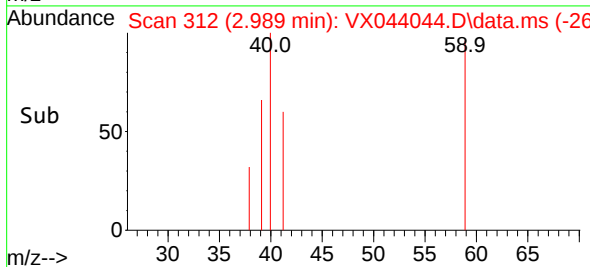
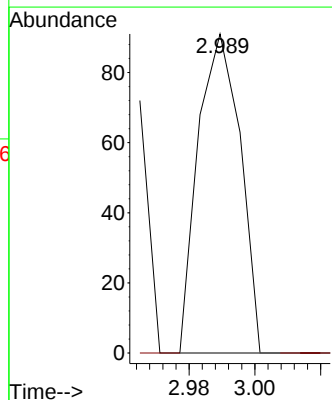
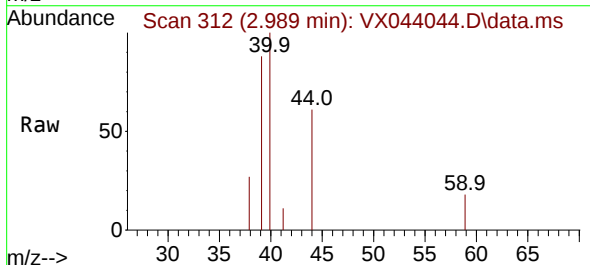
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 64 Resp: 203
Ion Ratio Lower Upper
64 100
66 28.3 25.9 38.9



#11
Tert butyl alcohol
Concen: 0.252 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

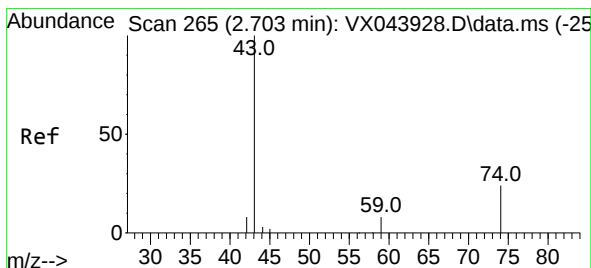
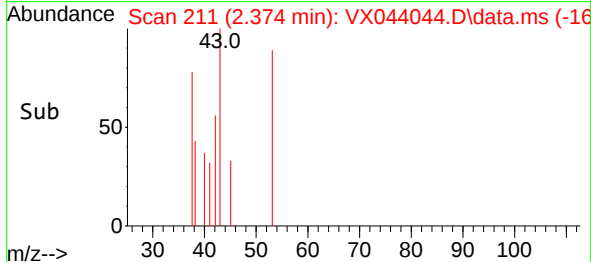
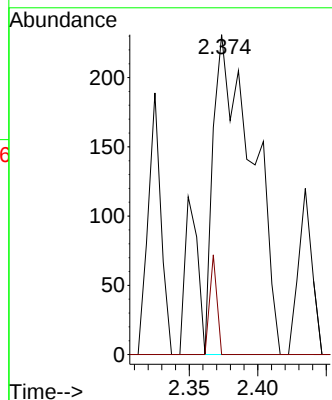
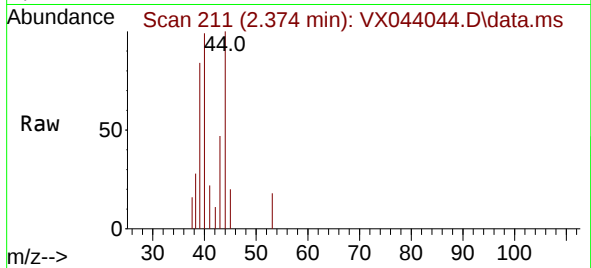




#16
Acetone
Concen: 0.576 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

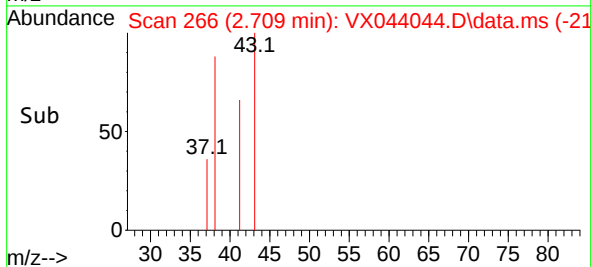
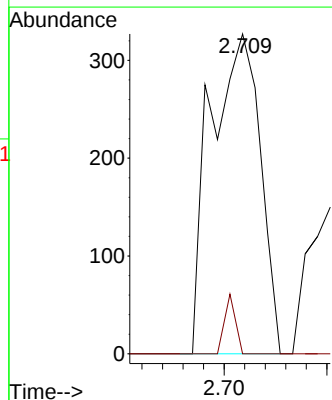
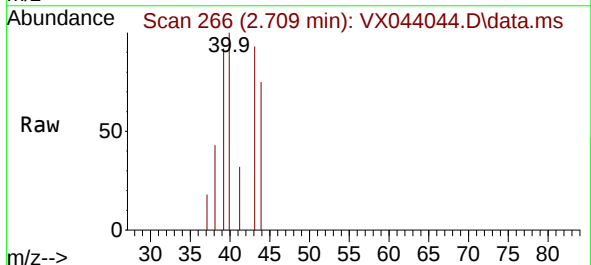
Instrument :
MSVOA_X
ClientSampleId :

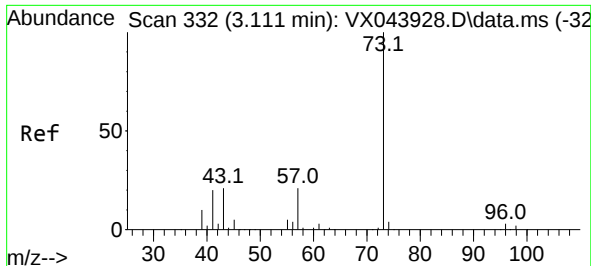
Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#18
Methyl Acetate
Concen: 0.255 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion: 43 Resp: 548
Ion Ratio Lower Upper
43 100
74 4.0 18.9 28.3#

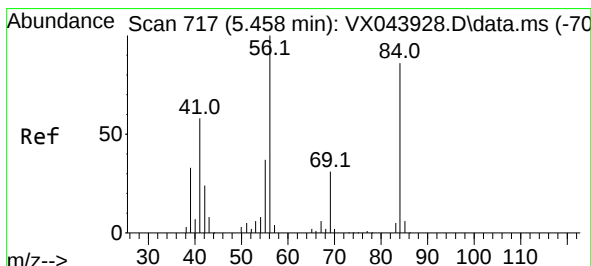
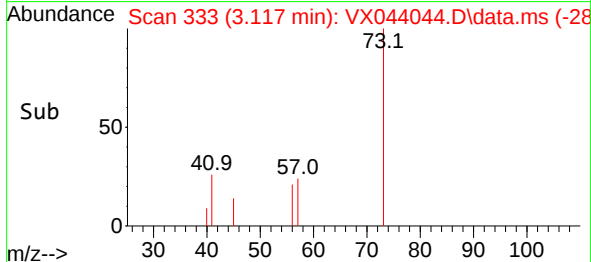
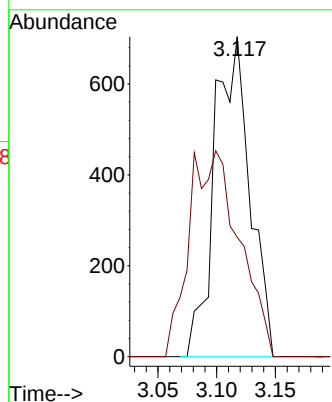
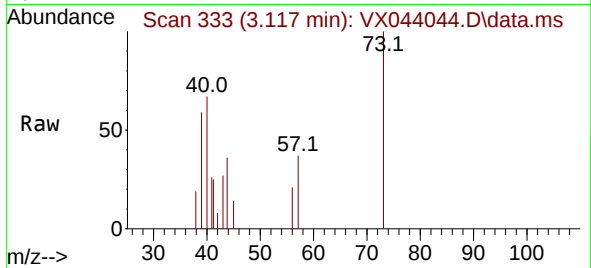




#19
Methyl tert-butyl Ether
Concen: 0.302 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

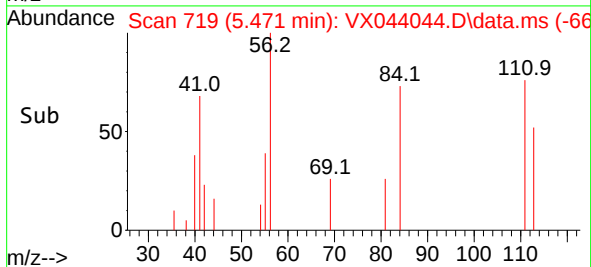
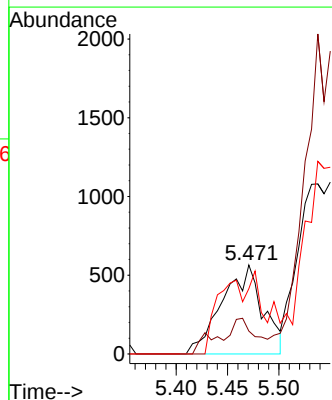
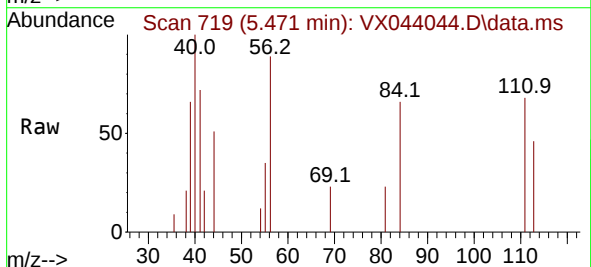
Instrument :
MSVOA_X
ClientSampleId :

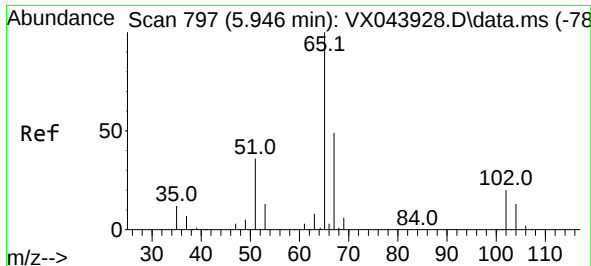
Tgt Ion: 73 Resp: 1478
Ion Ratio Lower Upper
73 100
57 37.4 17.0 25.6#



#31
Cyclohexane
Concen: 0.698 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.012 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion: 56 Resp: 1562
Ion Ratio Lower Upper
56 100
69 25.7 24.7 37.1
84 73.5 68.7 103.1

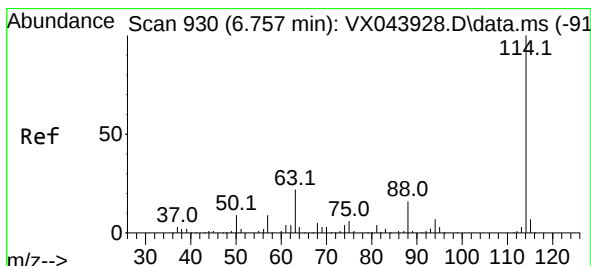
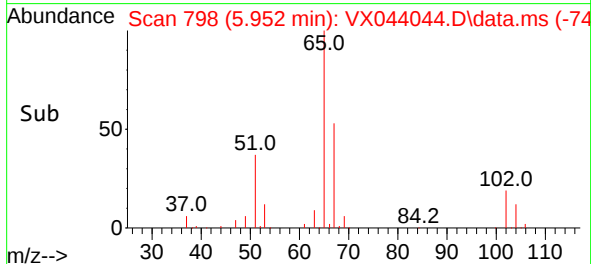
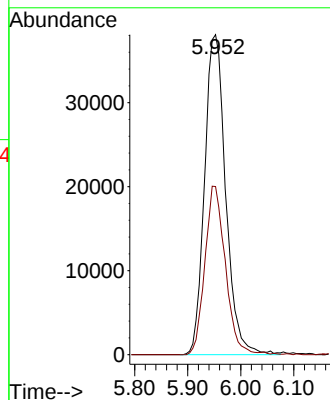
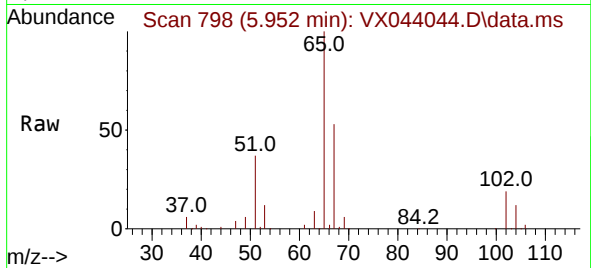




#33
 1,2-Dichloroethane-d4
 Concen: 52.537 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX044044.D
 Acq: 27 Nov 2024 16:34

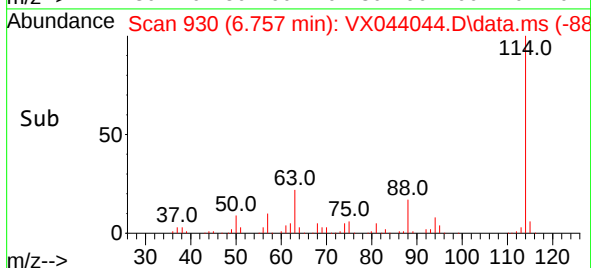
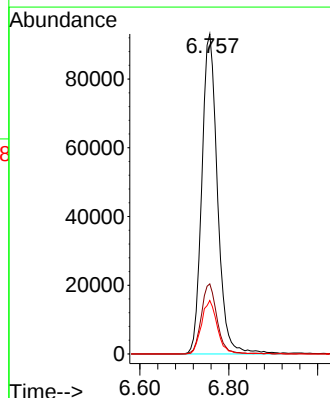
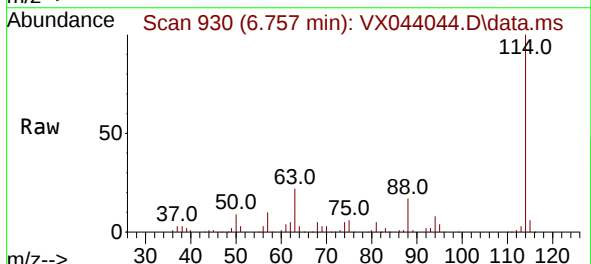
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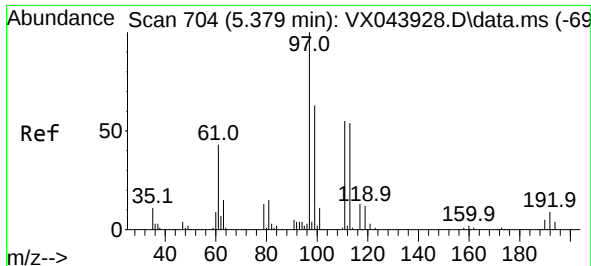
Tgt Ion: 65 Resp: 105413
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044044.D
 Acq: 27 Nov 2024 16:34

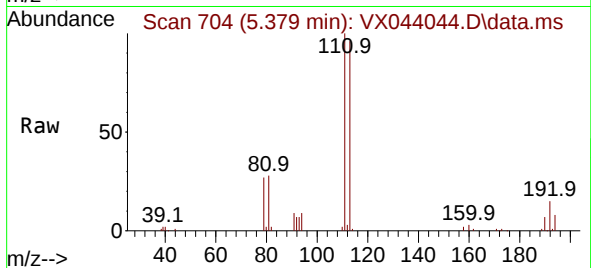
Tgt Ion: 114 Resp: 228425
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.0
 88 16.7 0.0 32.4



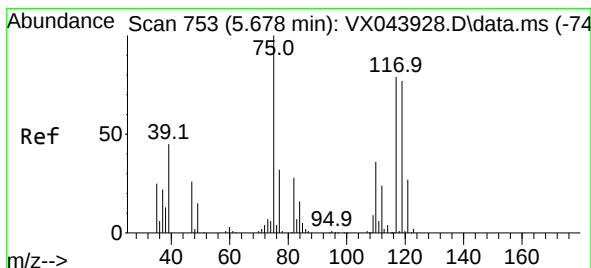
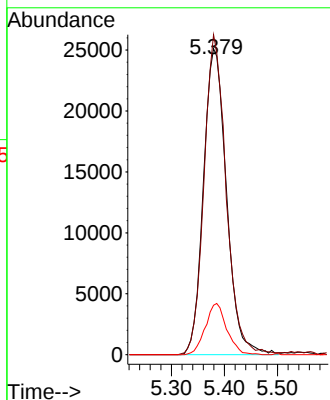
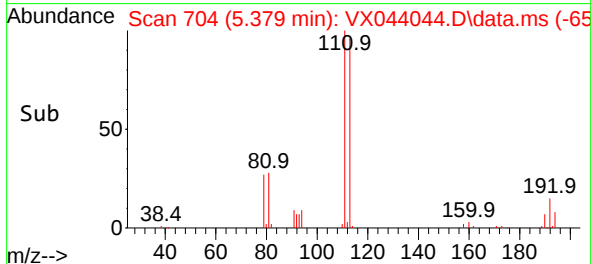


#35
Dibromofluoromethane
Concen: 46.527 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

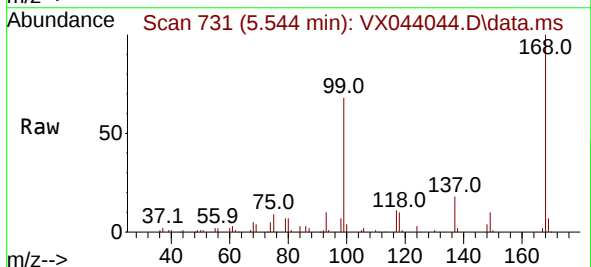
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MSVOA_X
ClientSampleId :



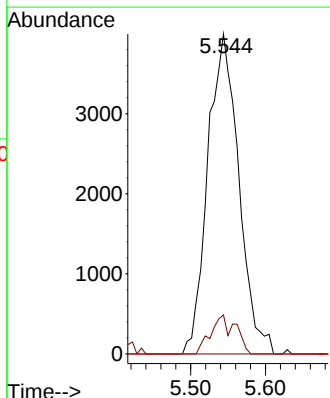
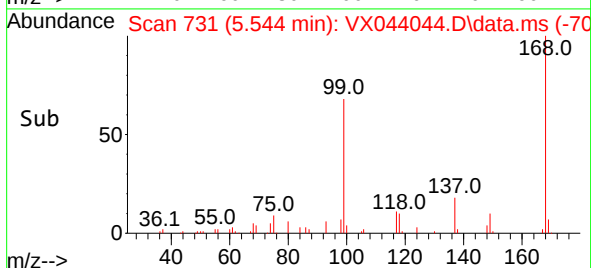
Tgt Ion:113 Resp: 75942
Ion Ratio Lower Upper
113 100
111 100.3 81.0 121.4
192 15.5 13.0 19.6

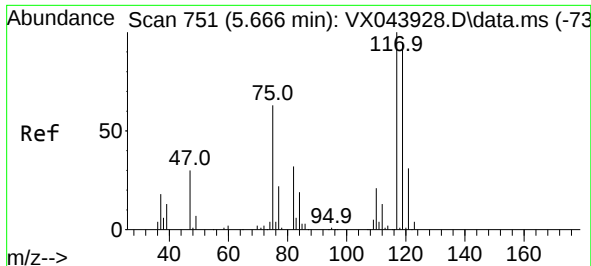


#36
1,1-Dichloropropene
Concen: 5.677 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34



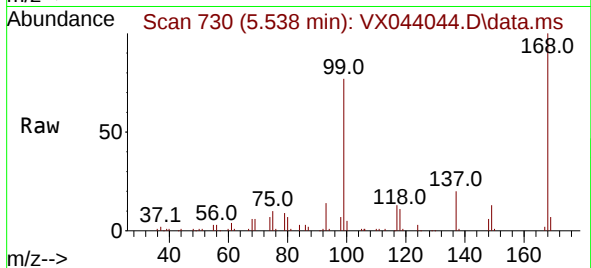
Tgt Ion: 75 Resp: 11546
Ion Ratio Lower Upper
75 100
110 9.7 17.4 52.2#
77 0.0 25.8 38.8#



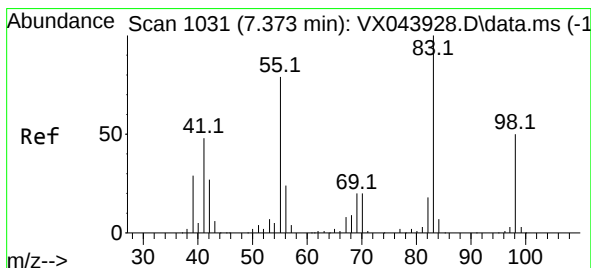
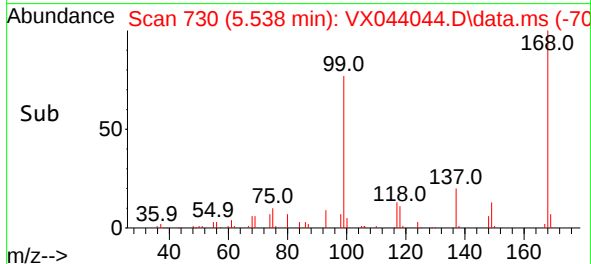
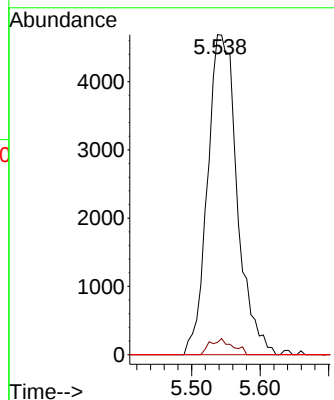


#38
Carbon Tetrachloride
Concen: 6.150 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Instrument :
MSVOA_X
ClientSampleId :

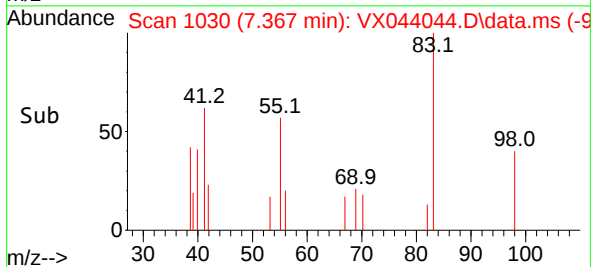
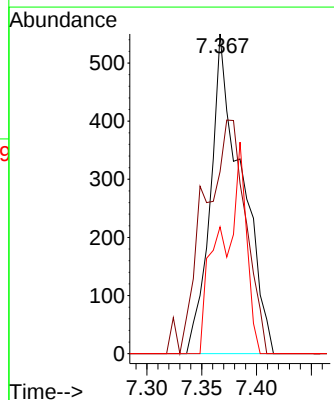
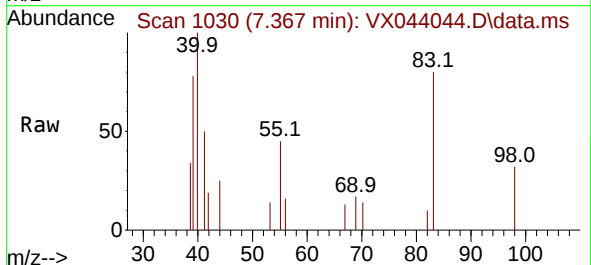


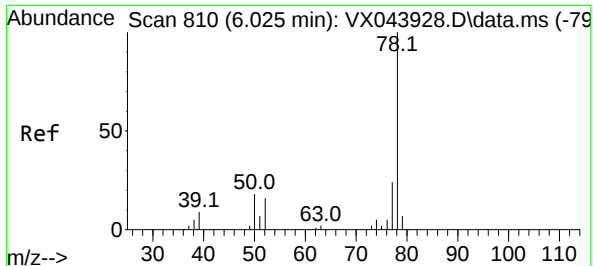
Tgt Ion:117 Resp: 14055
Ion Ratio Lower Upper
117 100
119 3.8 75.2 112.8#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 0.410 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion: 83 Resp: 1084
Ion Ratio Lower Upper
83 100
55 56.9 63.1 94.7#
98 39.6 40.0 60.0#

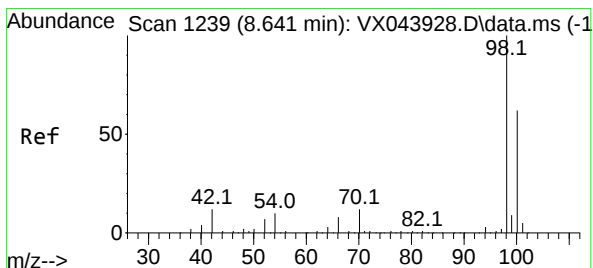
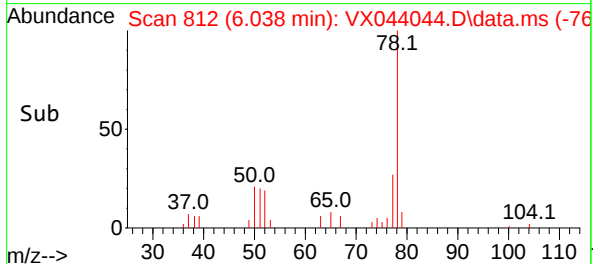
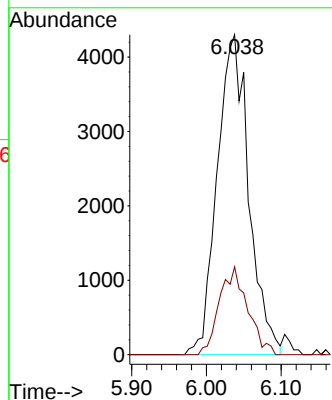
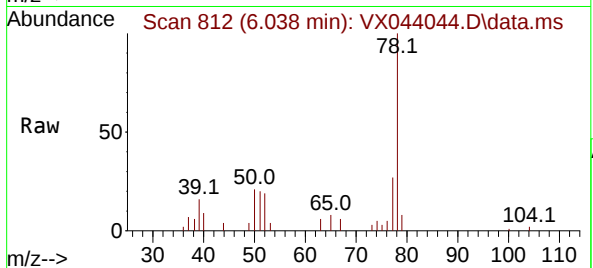




#40
Benzene
Concen: 1.994 ug/l
RT: 6.038 min Scan# 810
Delta R.T. 0.012 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

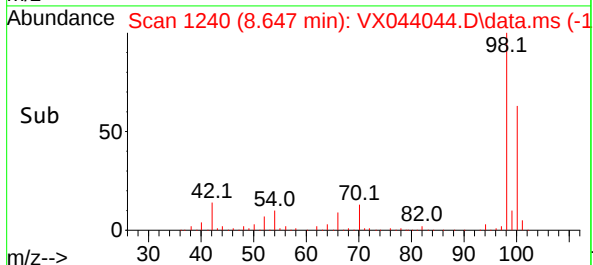
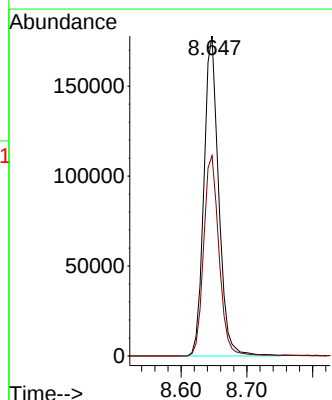
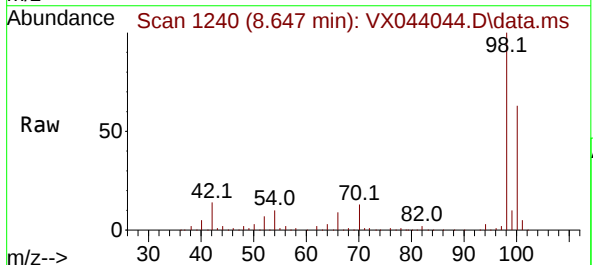
Instrument :
MSVOA_X
ClientSampleId :

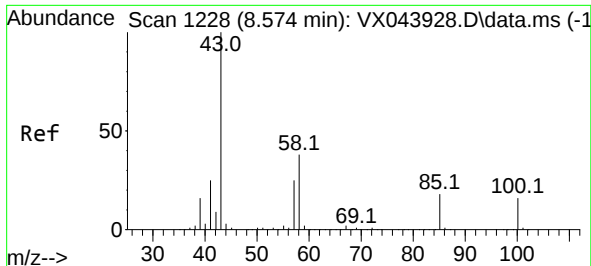
Tgt Ion: 78 Resp: 12633
Ion Ratio Lower Upper
78 100
77 27.4 19.2 28.8



#50
Toluene-d8
Concen: 49.440 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion: 98 Resp: 278171
Ion Ratio Lower Upper
98 100
100 65.2 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 0.647 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX044044.D

Acq: 27 Nov 2024 16:34

Instrument :

MSVOA_X

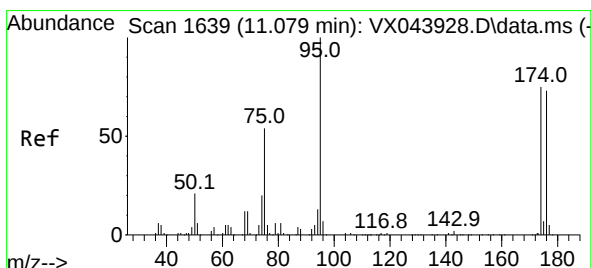
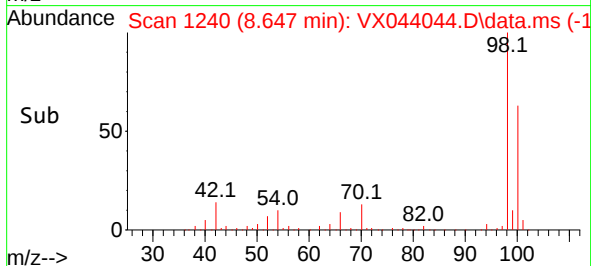
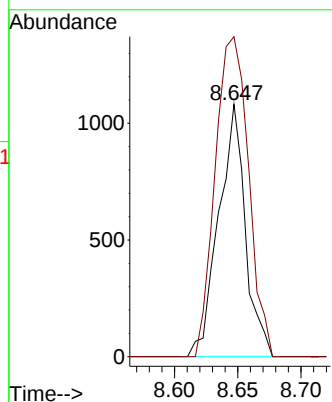
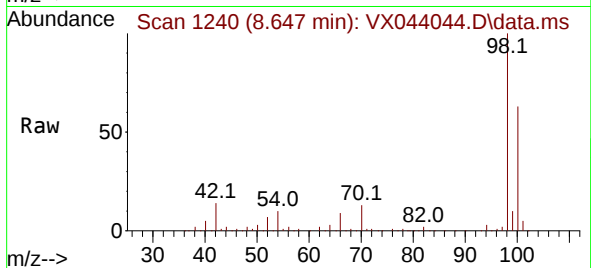
ClientSampleId :

Tgt Ion: 43 Resp: 1586

Ion Ratio Lower Upper

43 100

58 158.1 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 50.615 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044044.D

Acq: 27 Nov 2024 16:34

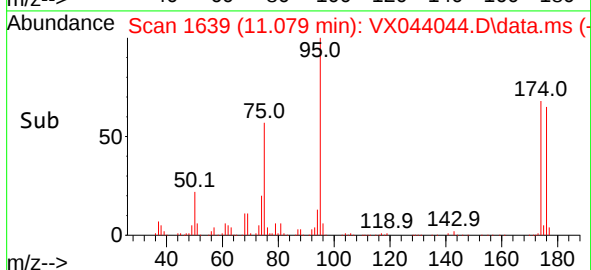
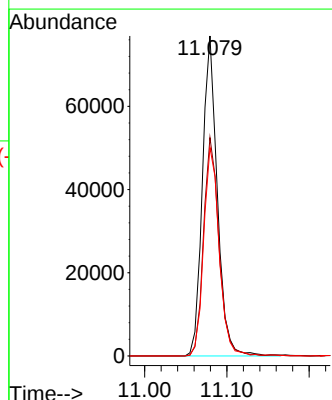
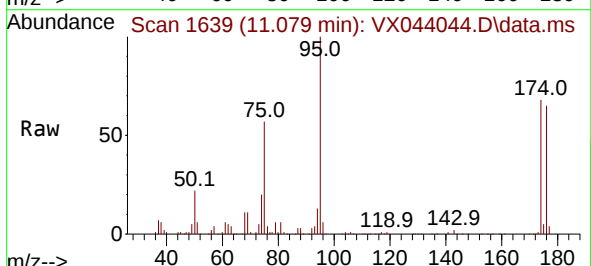
Tgt Ion: 95 Resp: 96919

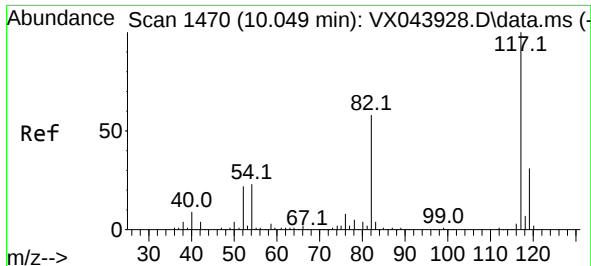
Ion Ratio Lower Upper

95 100

174 70.6 0.0 150.4

176 68.1 0.0 146.0

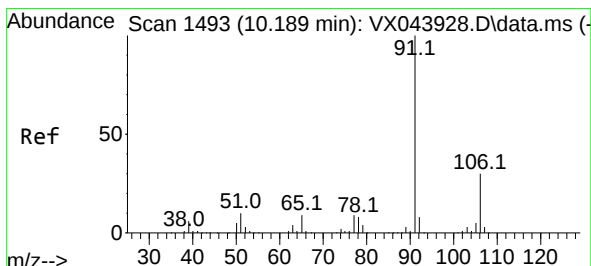
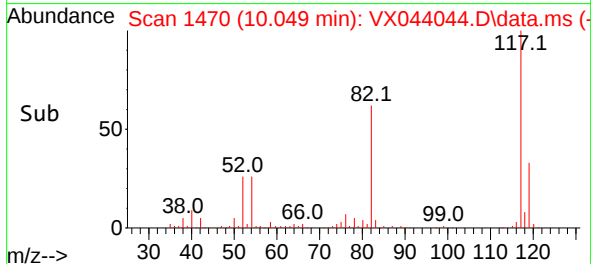
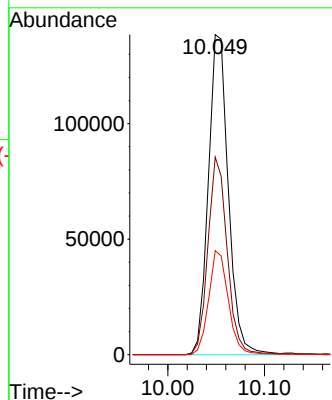
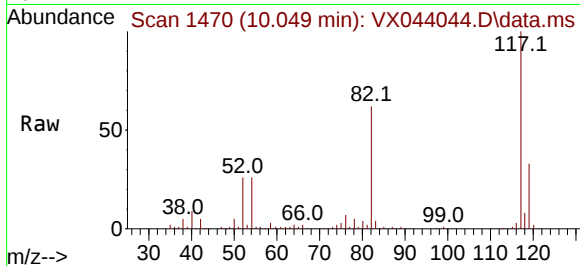




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

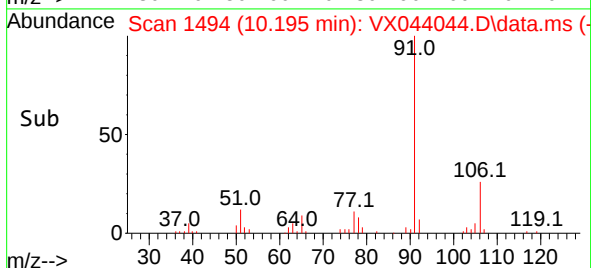
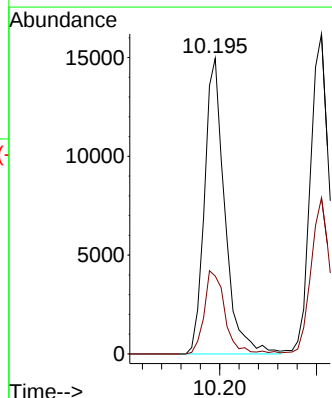
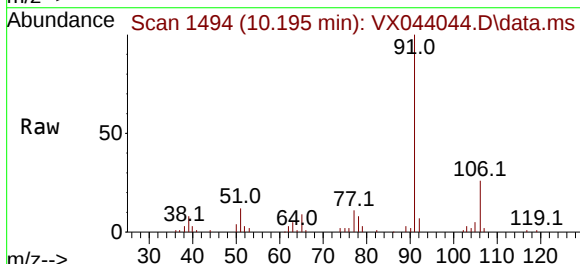
Instrument :
MSVOA_X
ClientSampleId :

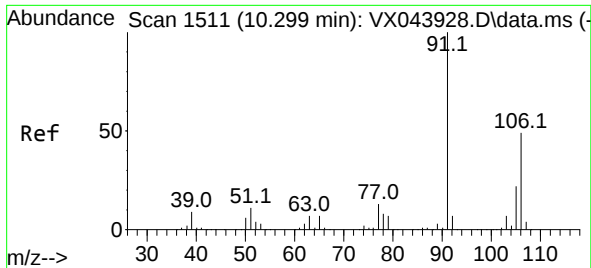
Tgt Ion:117 Resp: 199338
Ion Ratio Lower Upper
117 100
82 61.7 46.4 69.6
119 32.5 24.6 37.0



#67
Ethyl Benzene
Concen: 2.948 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion: 91 Resp: 21873
Ion Ratio Lower Upper
91 100
106 26.4 23.6 35.4

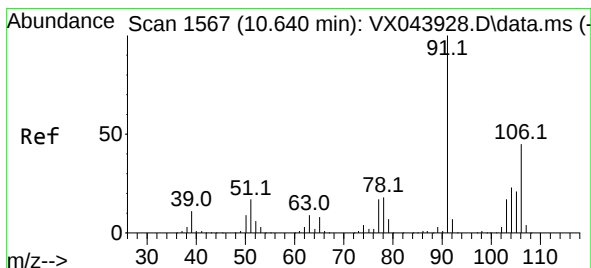
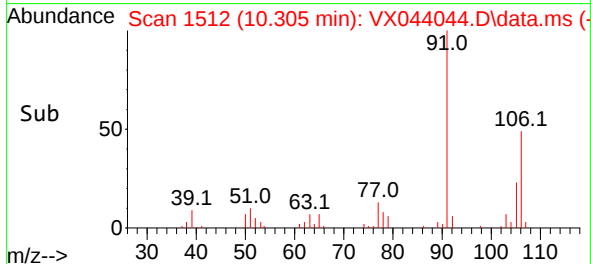
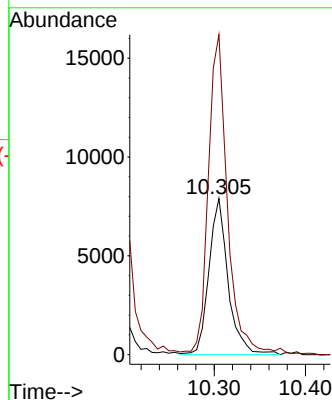
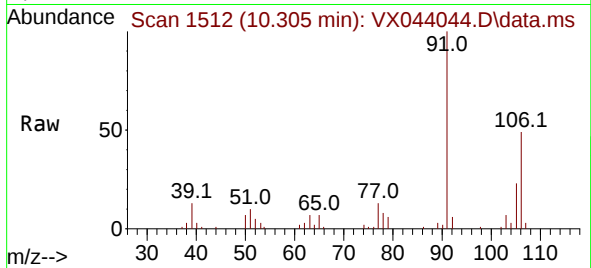




#68
m/p-Xylenes
Concen: 4.177 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

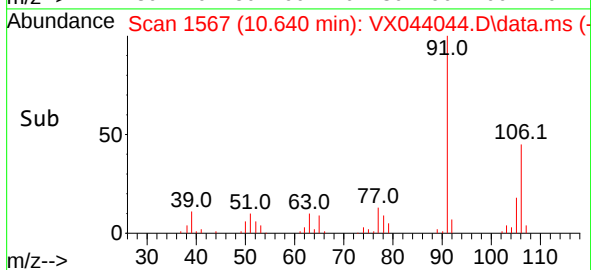
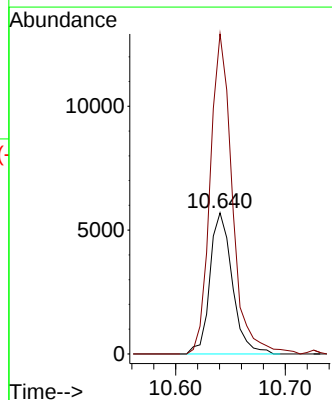
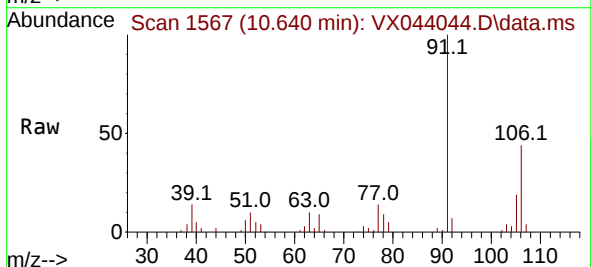
Instrument :
MSVOA_X
ClientSampleId :

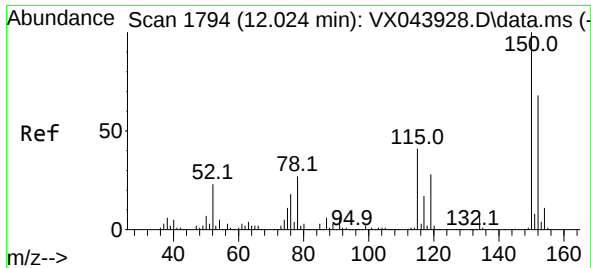
Tgt Ion:106 Resp: 11557
Ion Ratio Lower Upper
106 100
91 205.8 168.1 252.1



#69
o-Xylene
Concen: 2.990 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion:106 Resp: 8077
Ion Ratio Lower Upper
106 100
91 224.6 110.2 330.6

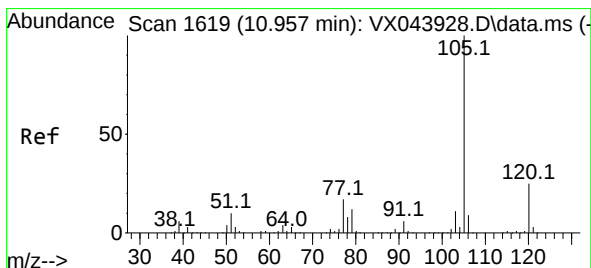
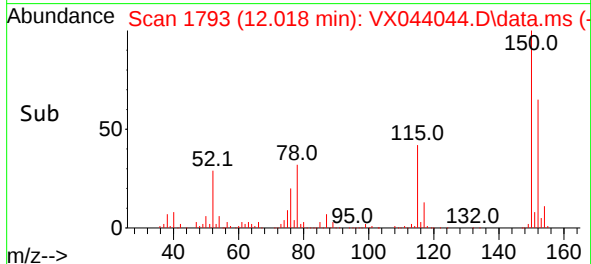
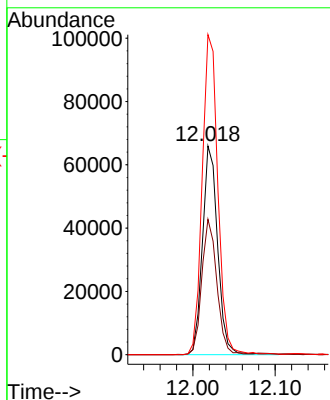
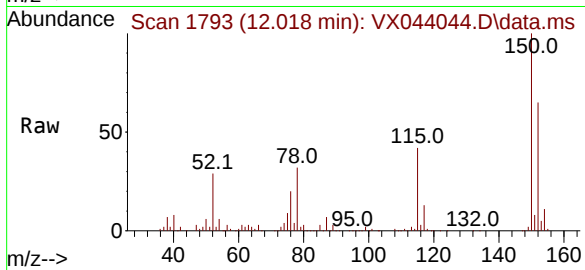




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

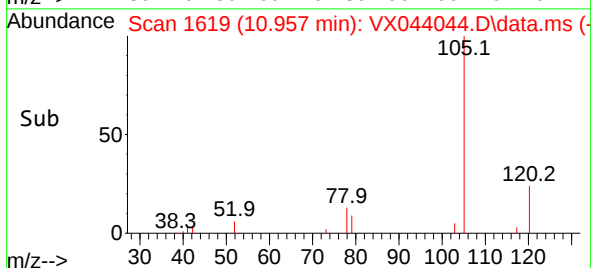
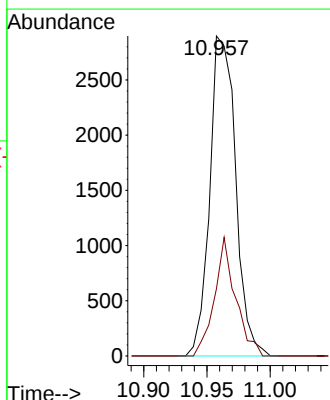
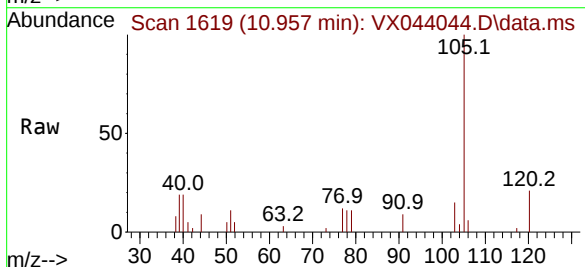
Instrument :
MSVOA_X
ClientSampleId :

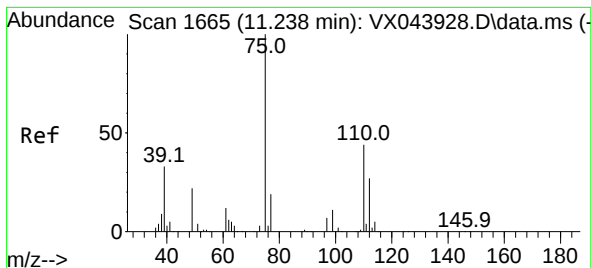
Tgt Ion:152 Resp: 84382
Ion Ratio Lower Upper
152 100
115 64.6 45.4 136.2
150 158.6 0.0 353.0



#73
Isopropylbenzene
Concen: 0.635 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion:105 Resp: 4117
Ion Ratio Lower Upper
105 100
120 30.2 13.0 38.9





#76

1,2,3-Trichloropropane

Concen: 30.061 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044044.D

Acq: 27 Nov 2024 16:34

Instrument :

MSVOA_X

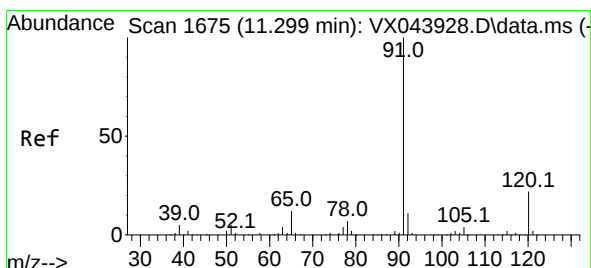
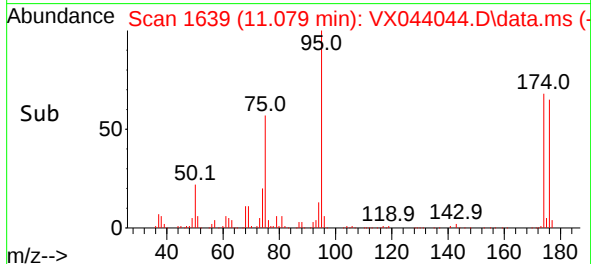
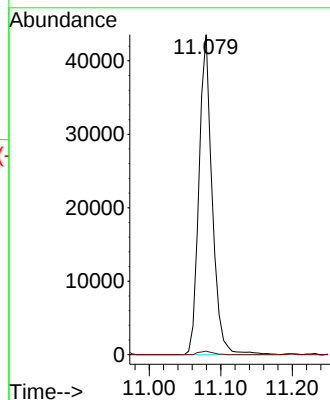
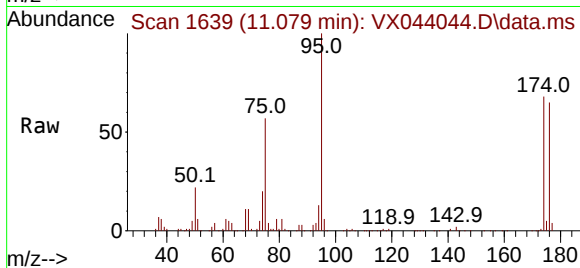
ClientSampleId :

Tgt Ion: 75 Resp: 55627

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.3#



#78

n-propylbenzene

Concen: 1.380 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044044.D

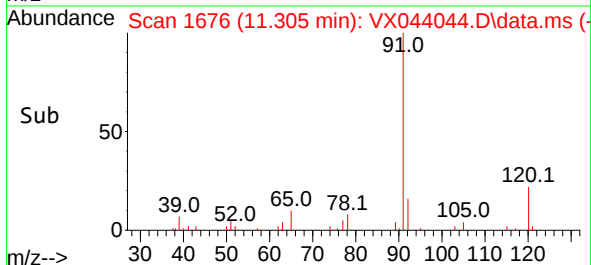
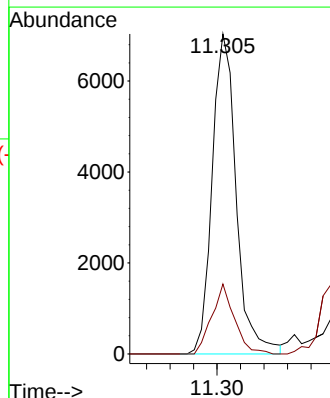
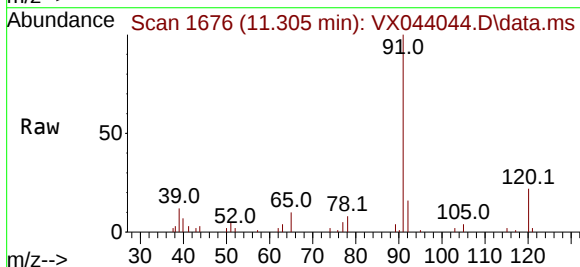
Acq: 27 Nov 2024 16:34

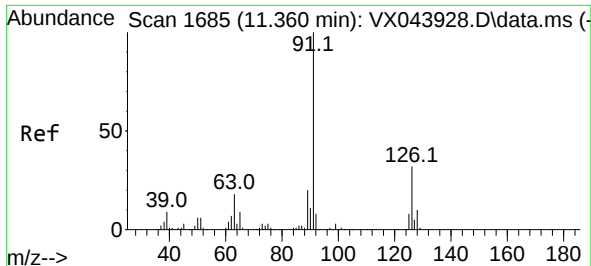
Tgt Ion: 91 Resp: 9997

Ion Ratio Lower Upper

91 100

120 20.6 11.5 34.4

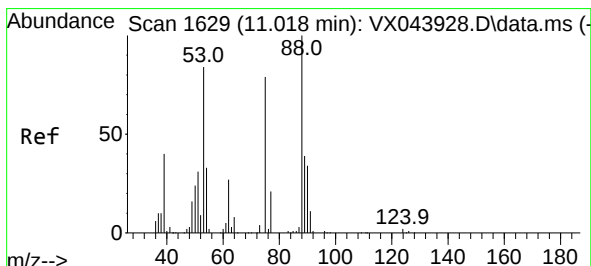
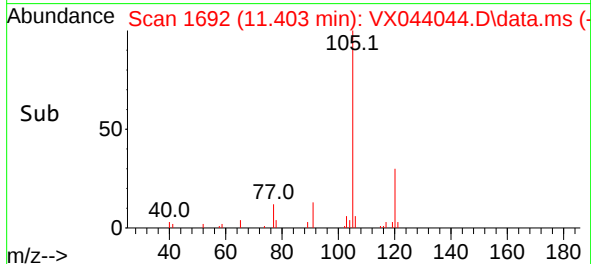
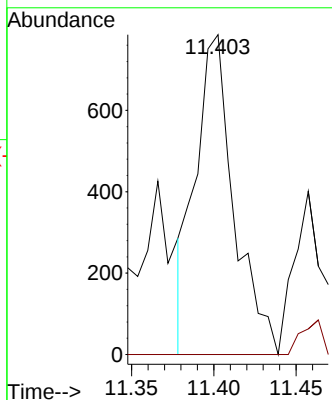
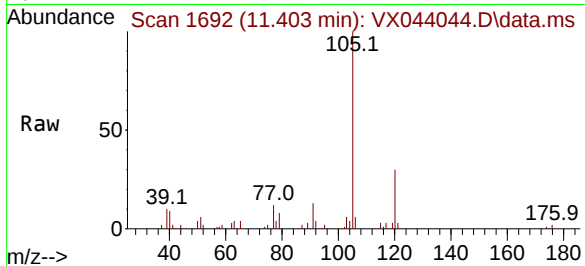




#79
2-Chlorotoluene
Concen: 0.279 ug/l
RT: 11.403 min Scan# 1692
Delta R.T. 0.043 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

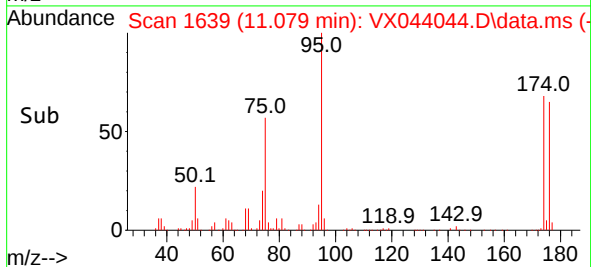
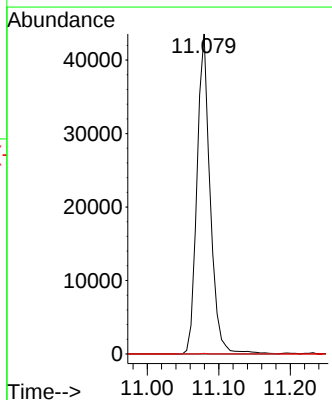
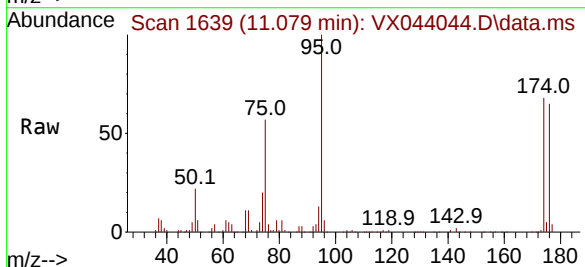
Instrument :
MSVOA_X
ClientSampleId :

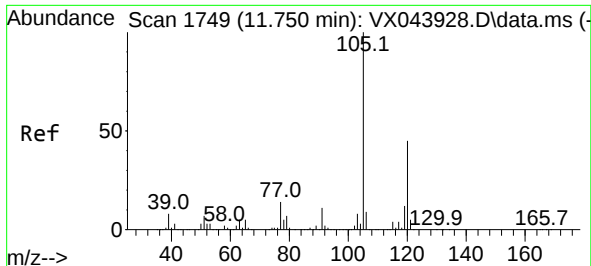
Tgt Ion: 91 Resp: 1278
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.029 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion: 75 Resp: 55627
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.1 38.2 57.2#

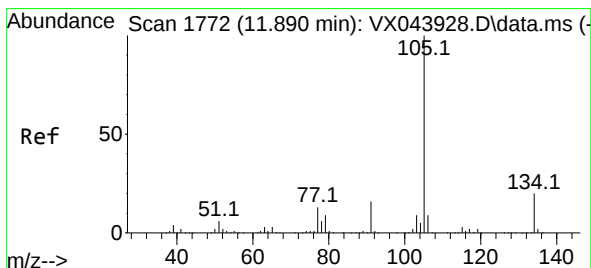
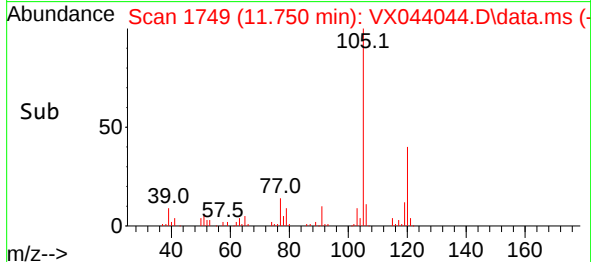
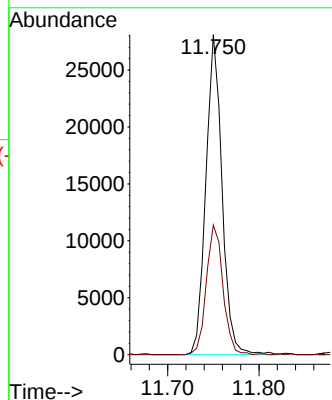
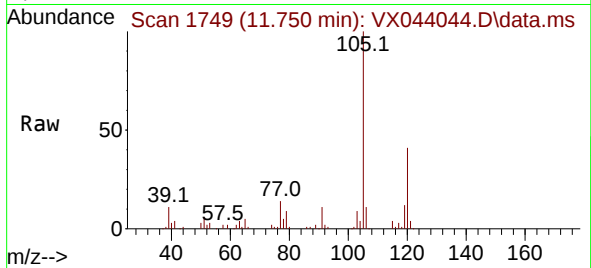




#84
1,2,4-Trimethylbenzene
Concen: 6.486 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

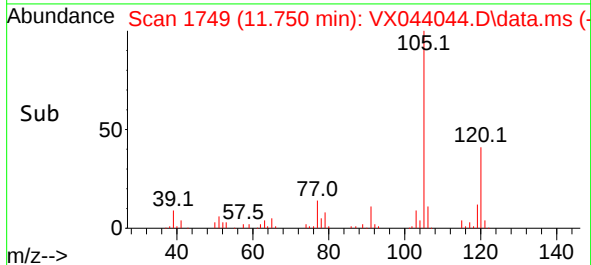
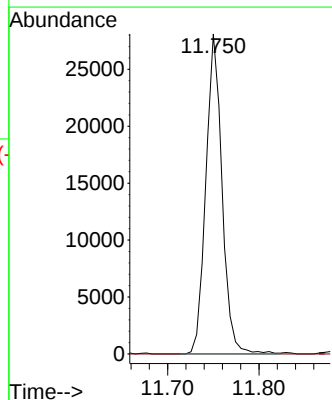
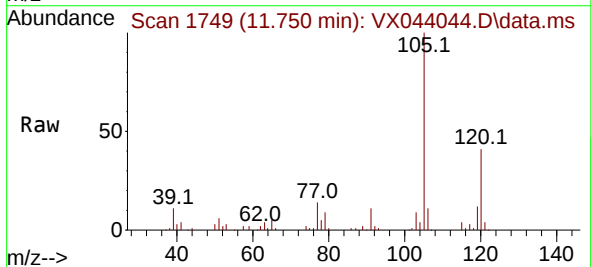
Instrument :
MSVOA_X
ClientSampleId :

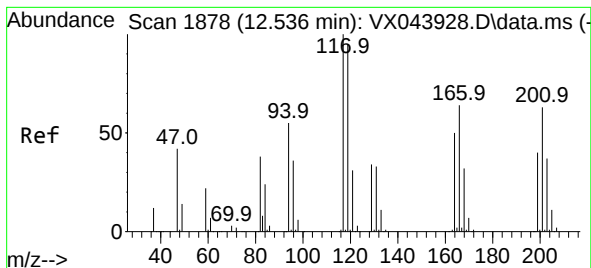
Tgt Ion:105 Resp: 34458
Ion Ratio Lower Upper
105 100
120 41.7 21.9 65.7



#85
sec-Butylbenzene
Concen: 5.317 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX044044.D
Acq: 27 Nov 2024 16:34

Tgt Ion:105 Resp: 34458
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#





#90

Hexachloroethane

Concen: 0.696 ug/l

RT: 12.616 min Scan# 1878

Delta R.T. 0.079 min

Lab File: VX044044.D

Acq: 27 Nov 2024 16:34

Instrument :

MSVOA_X

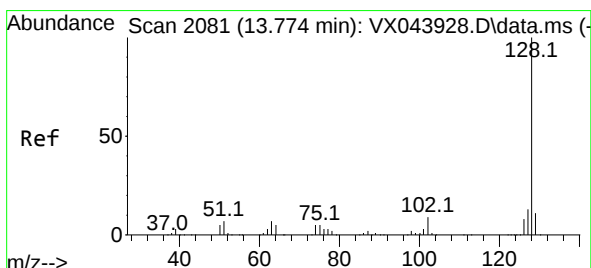
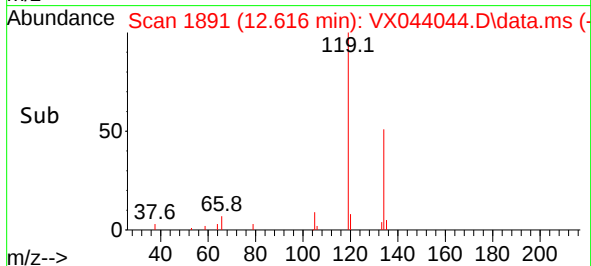
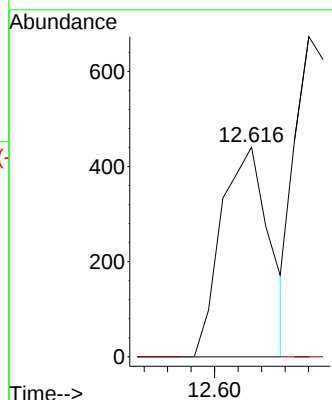
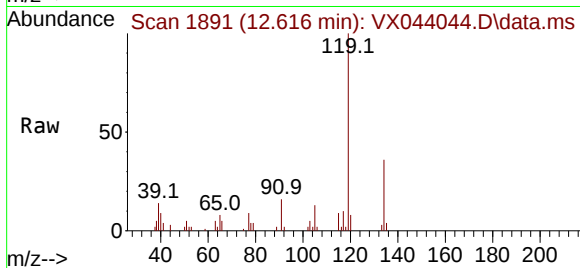
ClientSampleId :

Tgt Ion:117 Resp: 623

Ion Ratio Lower Upper

117 100

201 0.0 32.4 97.0#



#95

Naphthalene

Concen: 7.927 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044044.D

Acq: 27 Nov 2024 16:34

Tgt Ion:128 Resp: 47846

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

129 11.2 8.6 12.8

