

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032832.D
 Acq On : 15 Nov 2022 18:53
 Operator : JC/MD
 Sample : N5614-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

Quant Time: Nov 16 03:35:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

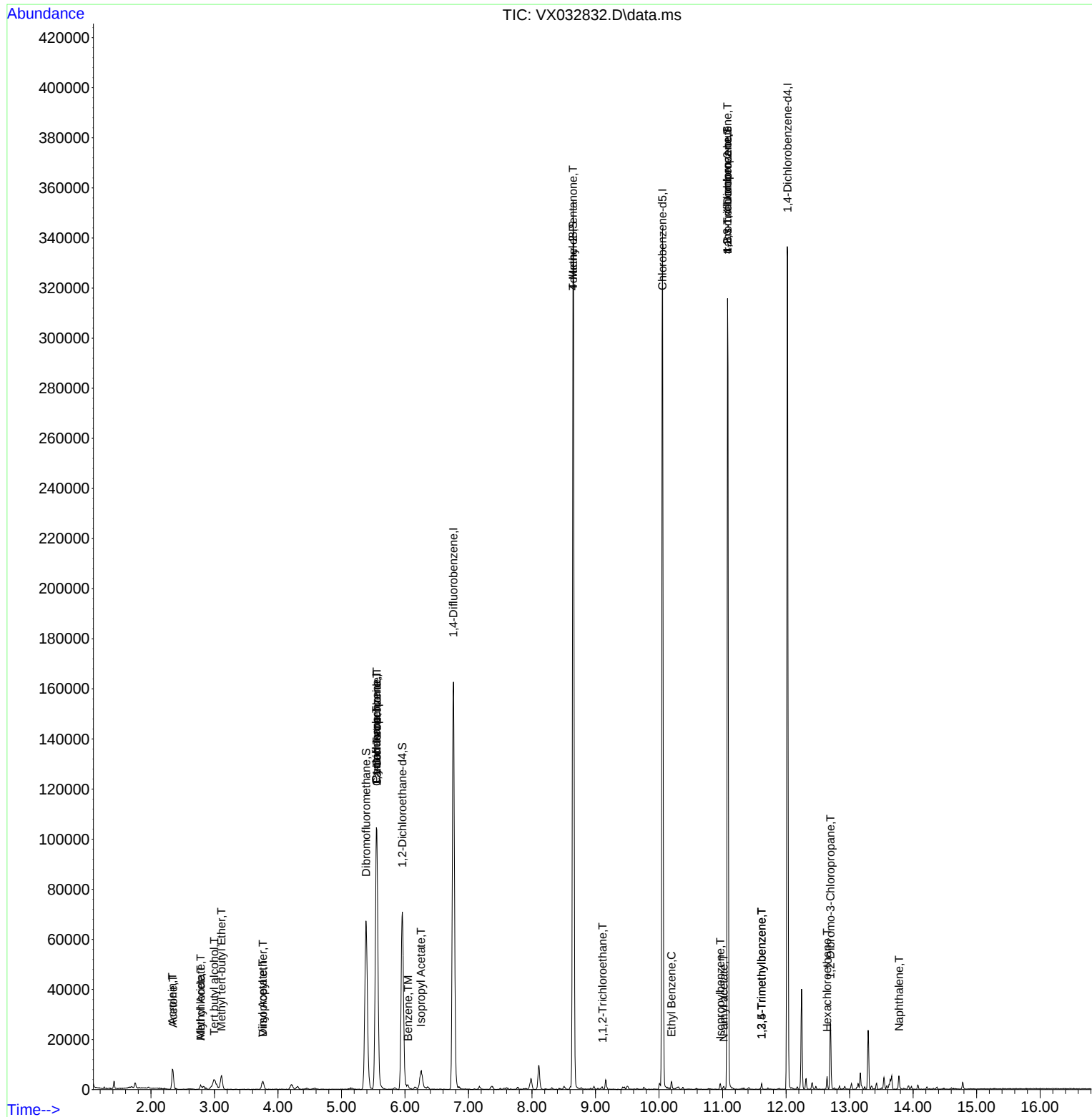
Internal Standards						
1) Pentafluorobenzene	5.550	168	100275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	167222	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70438	50.555	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.100%	
35) Dibromofluoromethane	5.385	113	57455	48.168	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.340%	
50) Toluene-d8	8.647	98	208724	50.323	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.640%	
62) 4-Bromofluorobenzene	11.079	95	78878	48.685	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.995	59	8577	42.294	ug/l	95
13) Acrolein	2.337	56	1095	5.409	ug/l #	81
14) Allyl chloride	2.782	41	394	0.246	ug/l #	59
16) Acetone	2.349	43	3435	6.783	ug/l #	55
18) Methyl Acetate	2.782	43	886	0.538	ug/l #	51
19) Methyl tert-butyl Ether	3.111	73	4077	1.153	ug/l #	49
22) Diisopropyl ether	3.764	45	3202	0.923	ug/l	89
23) Vinyl Acetate	3.757	43	1911	0.682	ug/l #	72
31) Cyclohexane	5.550	56	2251	1.332	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	7782	4.685	ug/l #	48
38) Carbon Tetrachloride	5.556	117	10697	5.806	ug/l #	15
40) Benzene	6.050	78	1896	0.403	ug/l	94
43) Isopropyl Acetate	6.251	43	2363	0.890	ug/l #	61
51) 4-Methyl-2-Pentanone	8.647	43	964	0.577	ug/l #	1
55) 1,1,2-Trichloroethane	9.110	97	416	0.322	ug/l #	15
67) Ethyl Benzene	10.195	91	2061	0.343	ug/l	93
73) Isopropylbenzene	10.963	105	1278	0.227	ug/l	100
74) N-amyl acetate	11.018	43	531	0.250	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	43430	27.471	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.616	105	1109	0.230	ug/l	79
81) trans-1,4-Dichloro-2-b...	11.079	75	43430	87.413	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.616	105	1109	0.232	ug/l	84
90) Hexachloroethane	12.646	117	1690	2.109	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.701	75	209	0.527	ug/l #	1
95) Naphthalene	13.780	128	3919	0.702	ug/l	98

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

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Instrument :
MSVOA_X
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Quant Title : SW846 8260
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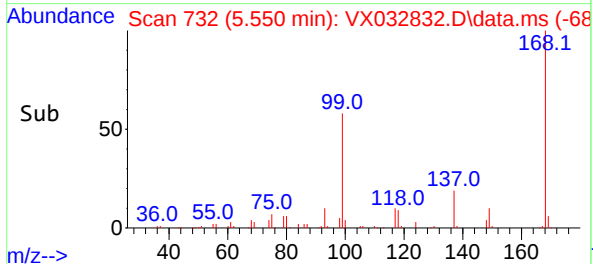
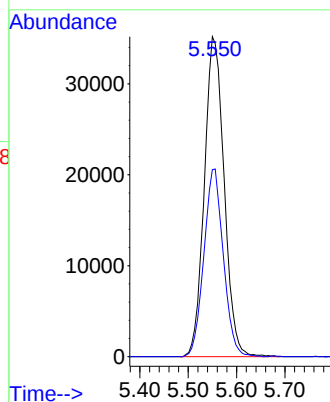
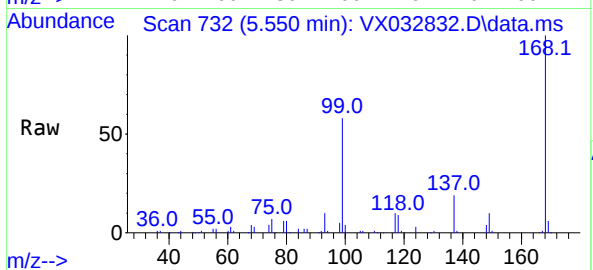




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

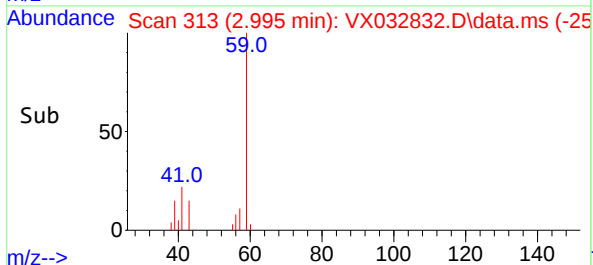
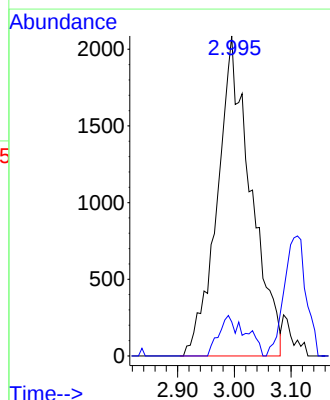
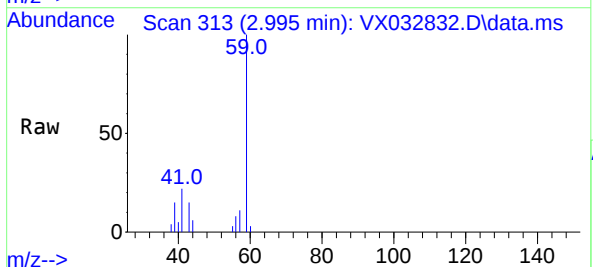
Instrument :
MSVOA_X
ClientSampleId :
MW-27

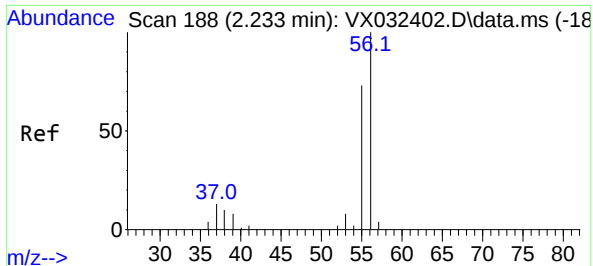
Tgt Ion:168 Resp: 100275
Ion Ratio Lower Upper
168 100
99 58.5 46.1 69.1



#11
Tert butyl alcohol
Concen: 42.294 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.031 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 59 Resp: 8577
Ion Ratio Lower Upper
59 100
57 8.5 8.2 12.4

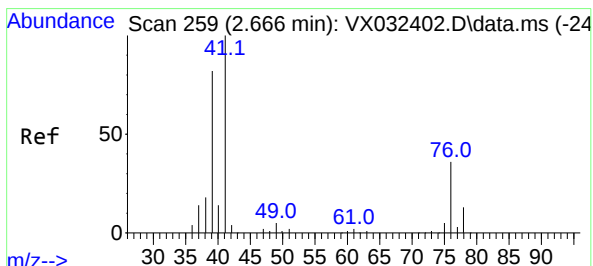
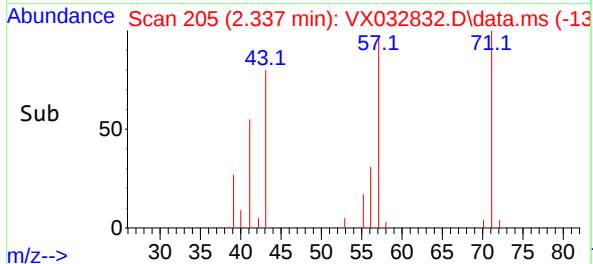
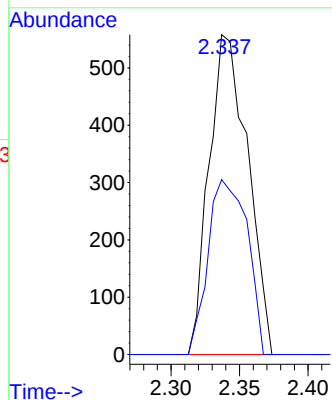
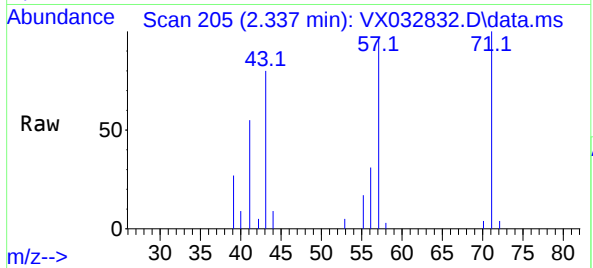




#13
Acrolein
Concen: 5.409 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.104 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

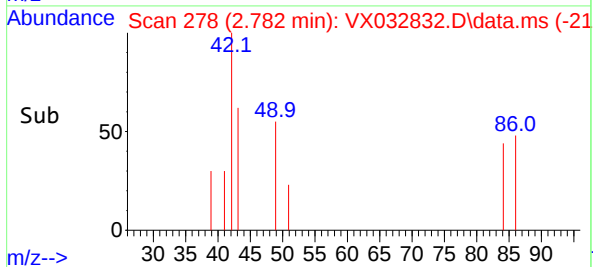
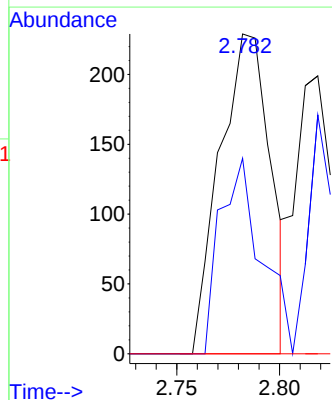
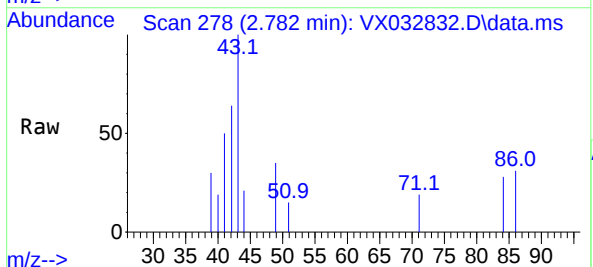
Instrument :
MSVOA_X
ClientSampleId :
MW-27

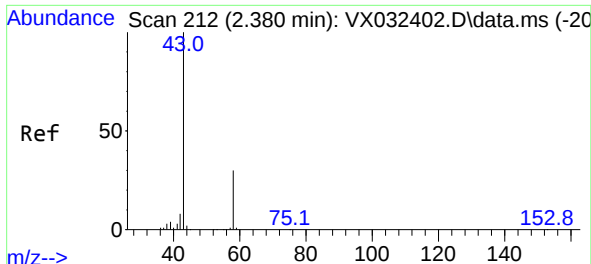
Tgt Ion: 56 Resp: 1095
Ion Ratio Lower Upper
56 100
55 55.6 56.9 85.3#



#14
Allyl chloride
Concen: 0.246 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.116 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 41 Resp: 394
Ion Ratio Lower Upper
41 100
39 49.7 61.4 92.2#
76 0.0 29.2 43.8#

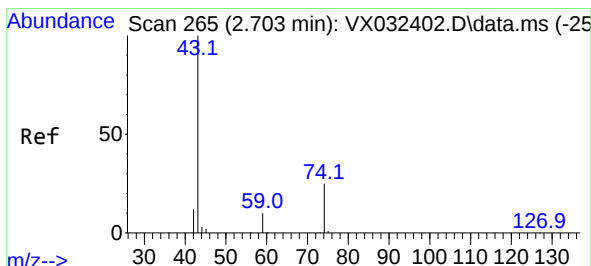
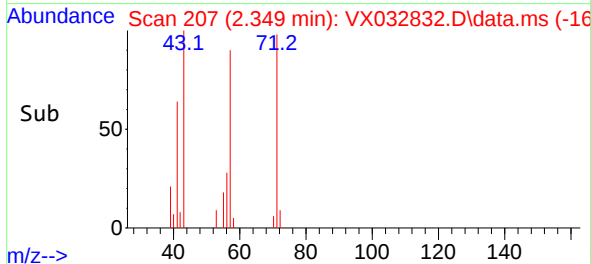
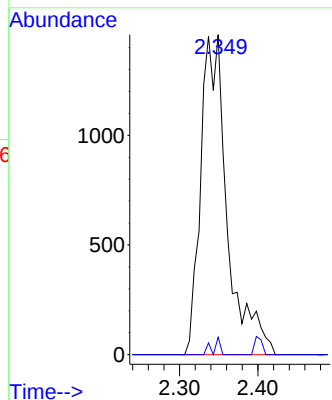
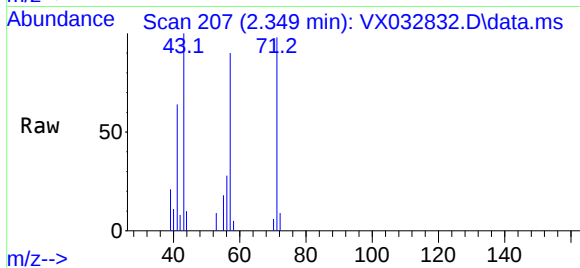




#16
Acetone
Concen: 6.783 ug/l
RT: 2.349 min Scan# 207
Delta R.T. -0.030 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

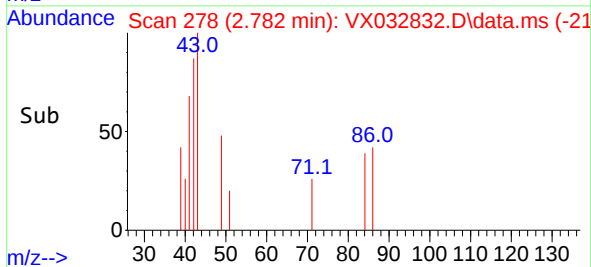
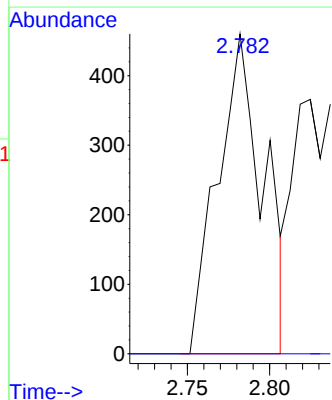
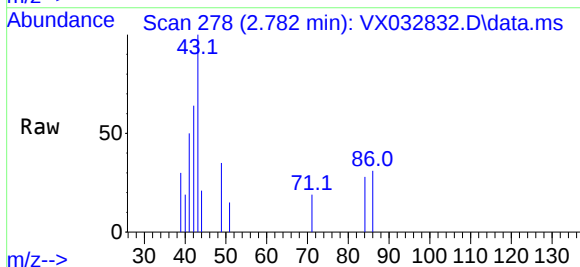
Instrument :
MSVOA_X
ClientSampleId :
MW-27

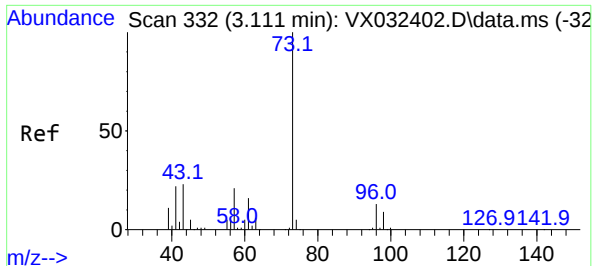
Tgt Ion: 43 Resp: 3435
Ion Ratio Lower Upper
43 100
58 5.4 23.8 35.8#



#18
Methyl Acetate
Concen: 0.538 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.079 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#





#19

Methyl tert-butyl Ether

Concen: 1.153 ug/l

RT: 3.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX032832.D

Acq: 15 Nov 2022 18:53

Instrument :

MSVOA_X

ClientSampleId :

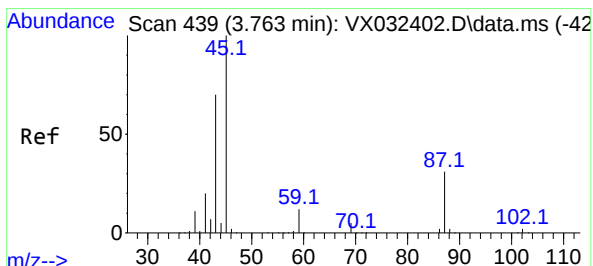
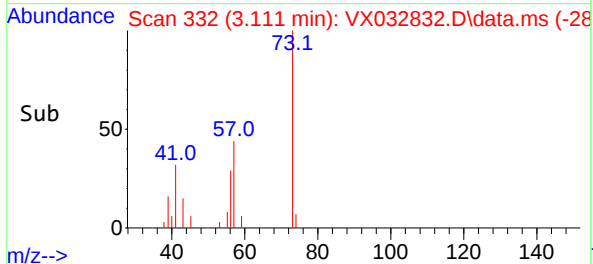
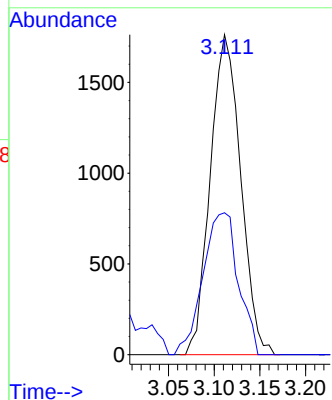
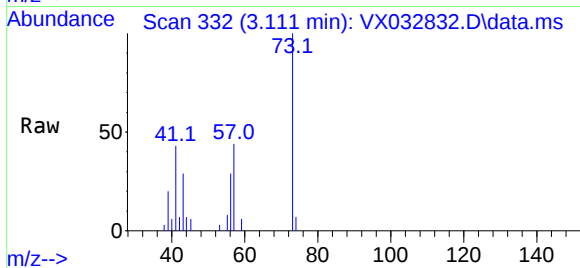
MW-27

Tgt Ion: 73 Resp: 4077

Ion Ratio Lower Upper

73 100

57 44.4 16.6 25.0#



#22

Diisopropyl ether

Concen: 0.923 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX032832.D

Acq: 15 Nov 2022 18:53

Tgt Ion: 45 Resp: 3202

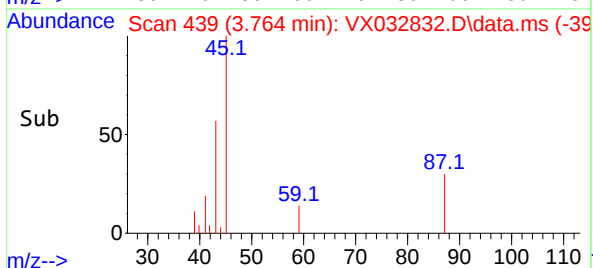
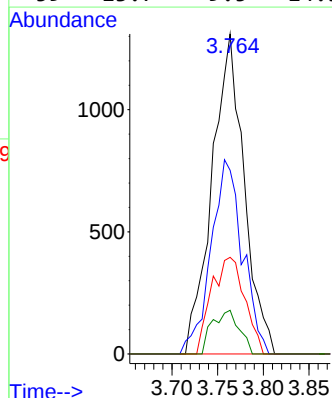
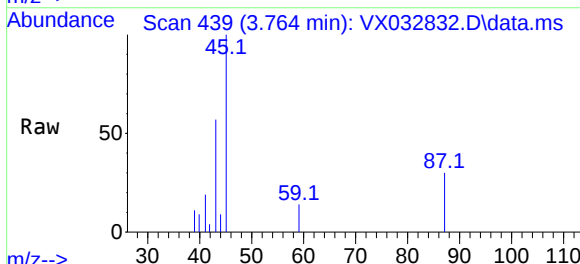
Ion Ratio Lower Upper

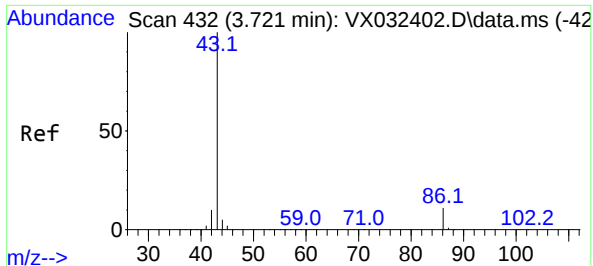
45 100

43 57.4 56.4 84.6

87 30.2 24.4 36.6

59 13.7 9.5 14.3

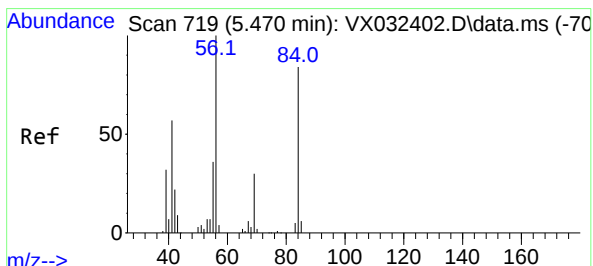
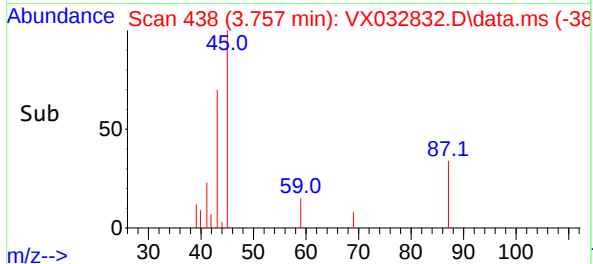
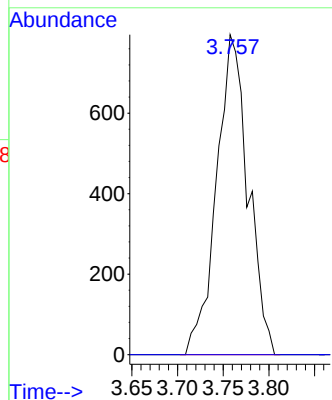
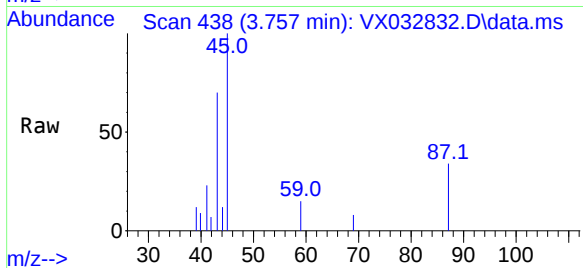




#23
 Vinyl Acetate
 Concen: 0.682 ug/l
 RT: 3.757 min Scan# 41
 Delta R.T. 0.037 min
 Lab File: VX032832.D
 Acq: 15 Nov 2022 18:53

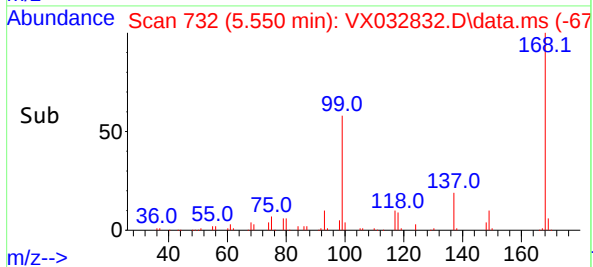
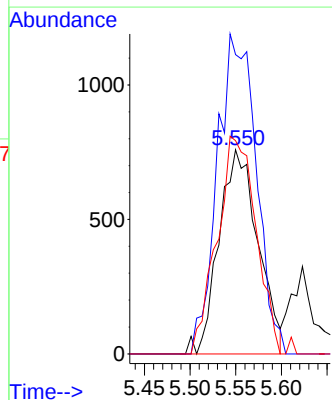
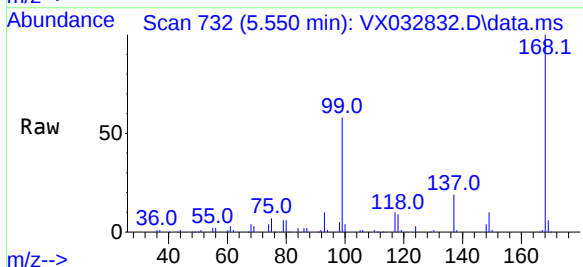
Instrument :
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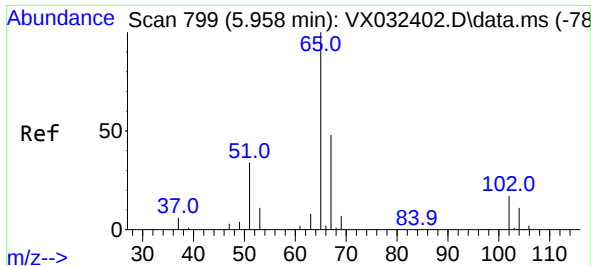
Tgt Ion: 43 Resp: 1911
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.332 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX032832.D
 Acq: 15 Nov 2022 18:53

Tgt Ion: 56 Resp: 2251
 Ion Ratio Lower Upper
 56 100
 69 146.6 24.1 36.1#
 84 104.5 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 50.555 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032832.D

Acq: 15 Nov 2022 18:53

Instrument :

MSVOA_X

ClientSampleId :

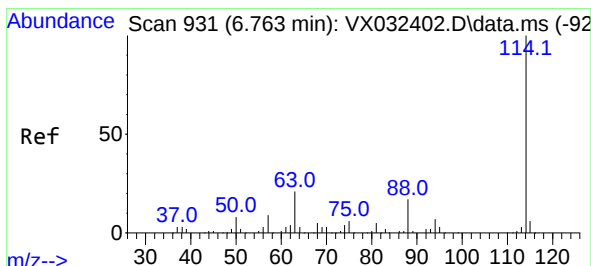
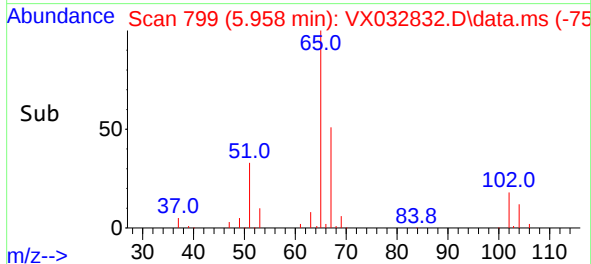
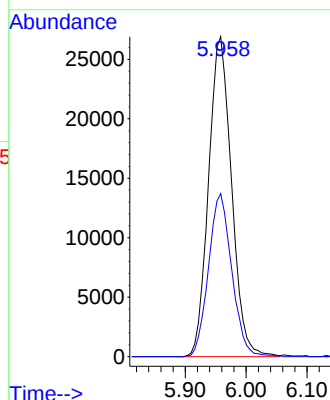
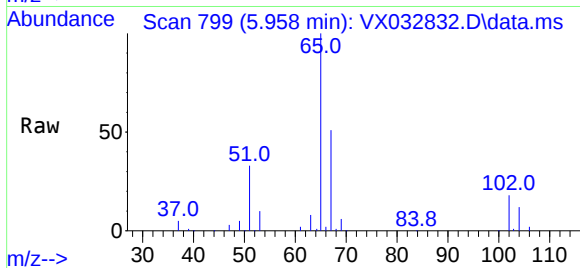
MW-27

Tgt Ion: 65 Resp: 70438

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032832.D

Acq: 15 Nov 2022 18:53

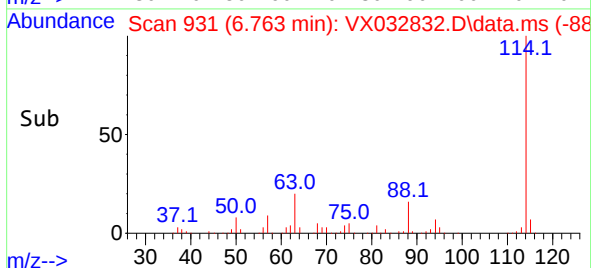
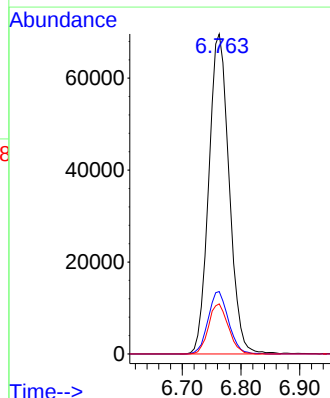
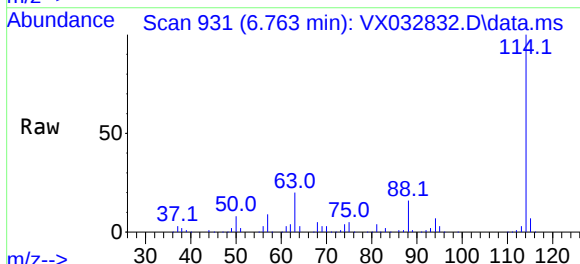
Tgt Ion: 114 Resp: 167222

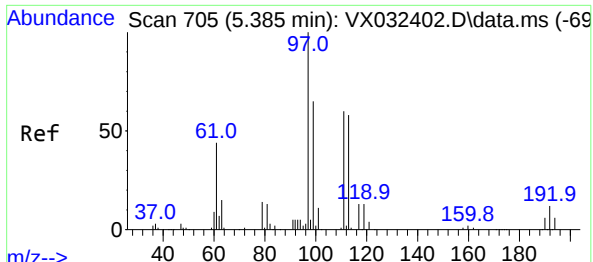
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

88 15.6 0.0 33.4

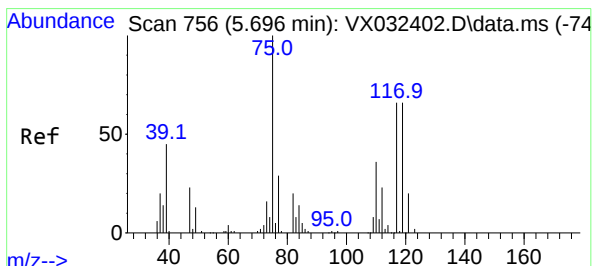
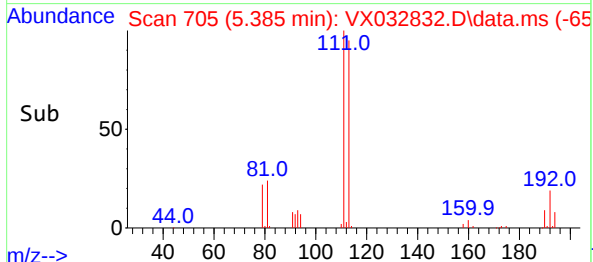
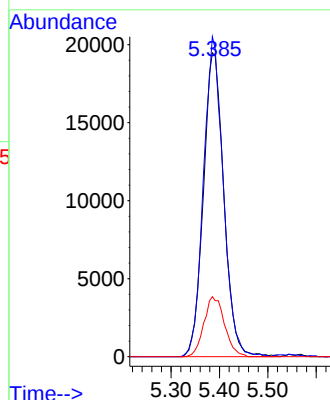
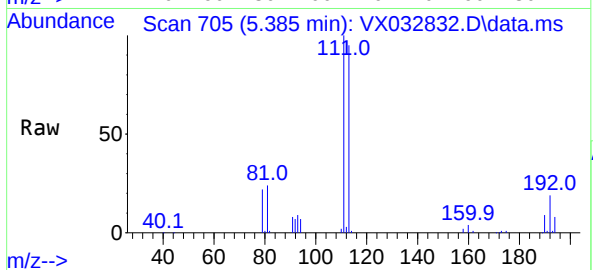




#35
Dibromofluoromethane
Concen: 48.168 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

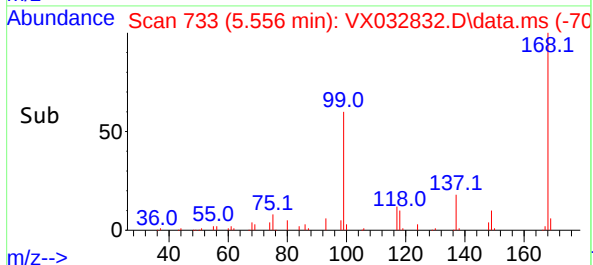
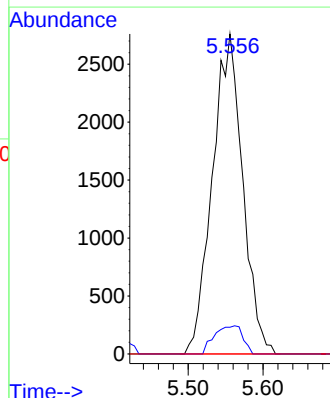
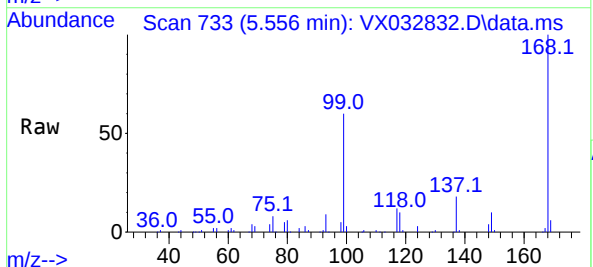
Instrument :
MSVOA_X
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MW-27

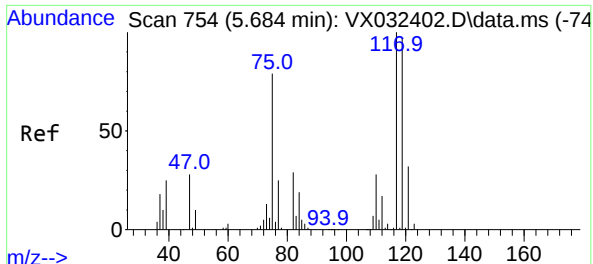
Tgt Ion:	113	Resp:	57455
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.4	123.6
192	19.8	15.4	23.2



#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion:	75	Resp:	7782
Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.4	55.2#
77	0.0	24.5	36.7#

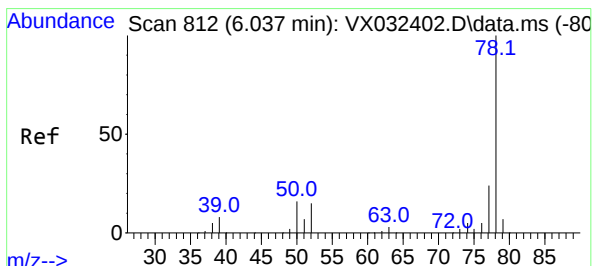
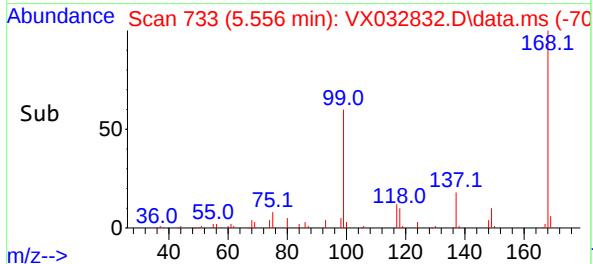
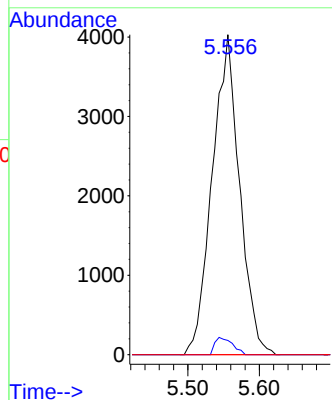
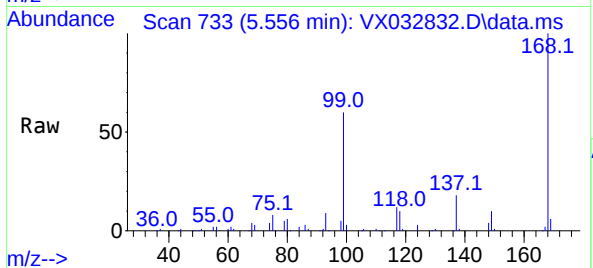




#38
Carbon Tetrachloride
Concen: 5.806 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

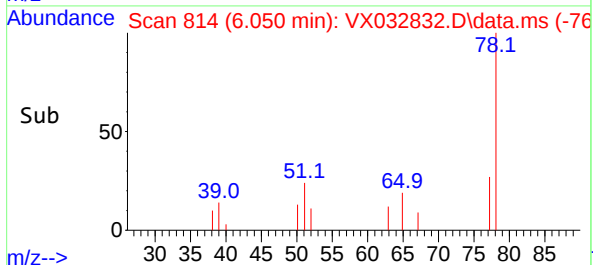
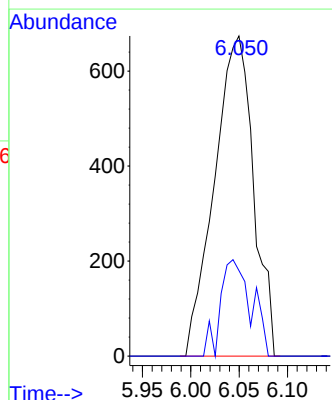
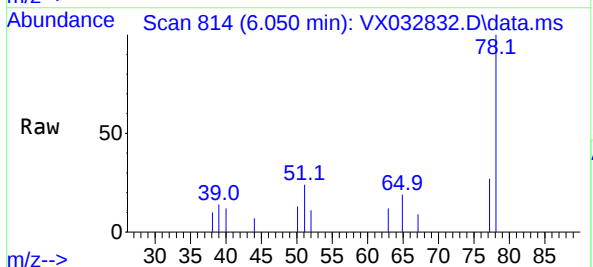
Instrument :
MSVOA_X
ClientSampleId :
MW-27

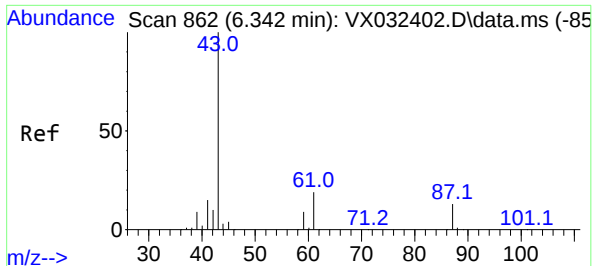
Tgt Ion:117 Resp: 10697
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 0.403 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 78 Resp: 1896
Ion Ratio Lower Upper
78 100
77 26.7 19.0 28.4

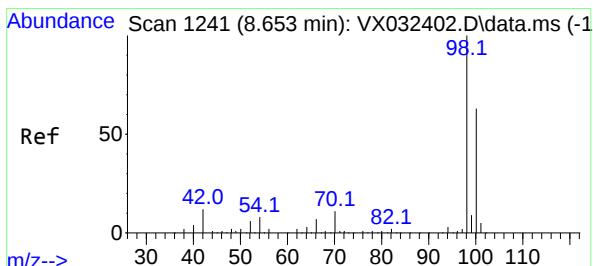
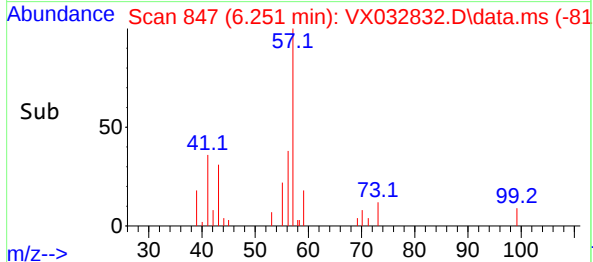
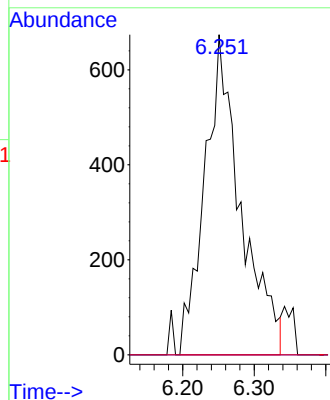
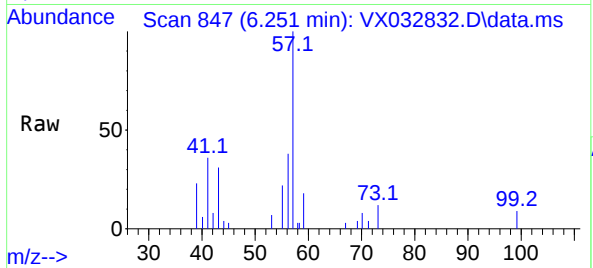




#43
Isopropyl Acetate
Concen: 0.890 ug/l
RT: 6.251 min Scan# 84
Delta R.T. -0.091 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

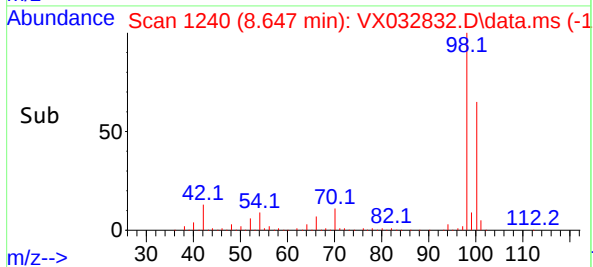
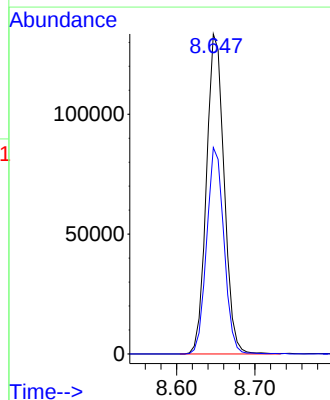
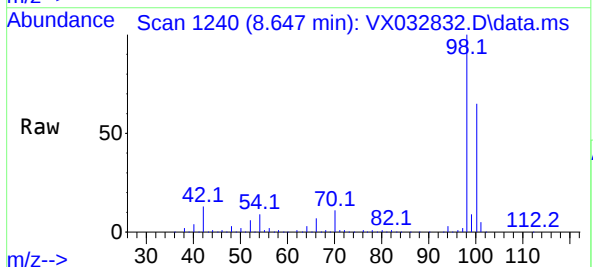
Instrument :
MSVOA_X
ClientSampleId :
MW-27

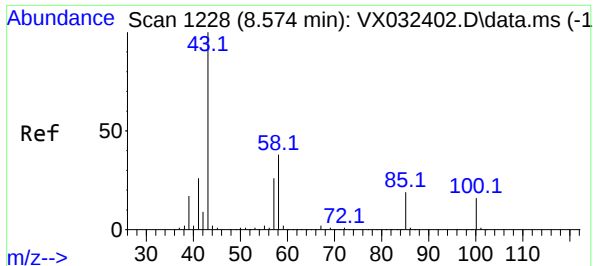
Tgt Ion: 43 Resp: 2363
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.8 16.2#



#50
Toluene-d8
Concen: 50.323 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 98 Resp: 208724
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.577 ug/l

RT: 8.647 min Scan# 1316

Delta R.T. 0.073 min

Lab File: VX032832.D

Acq: 15 Nov 2022 18:53

Instrument :

MSVOA_X

ClientSampleId :

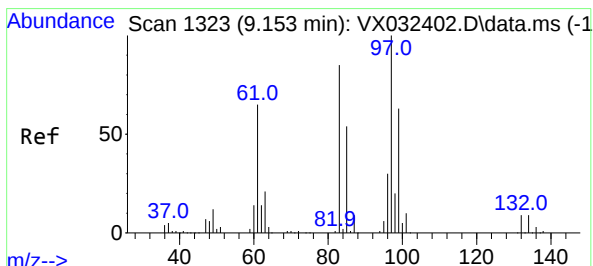
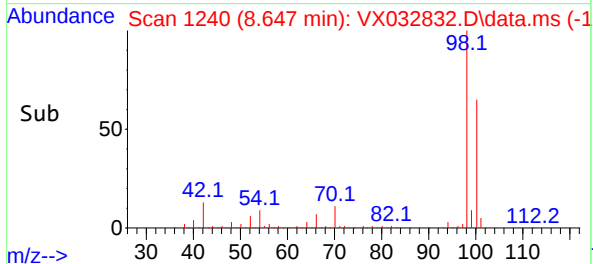
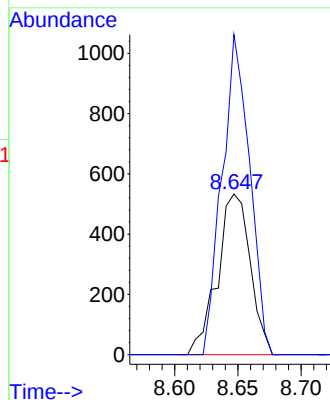
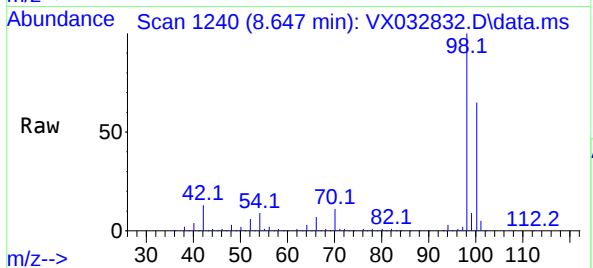
MW-27

Tgt Ion: 43 Resp: 964

Ion Ratio Lower Upper

43 100

58 167.7 30.9 46.3#



#55

1,1,2-Trichloroethane

Concen: 0.322 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.043 min

Lab File: VX032832.D

Acq: 15 Nov 2022 18:53

Tgt Ion: 97 Resp: 416

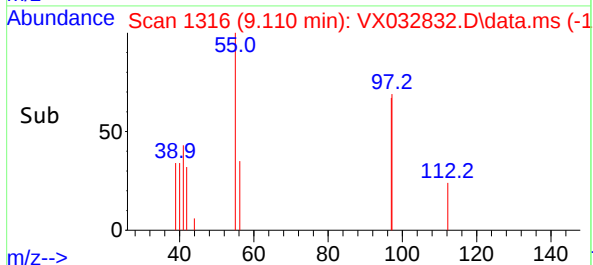
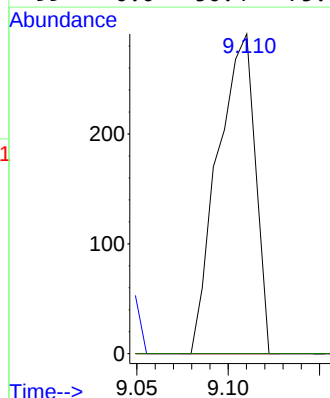
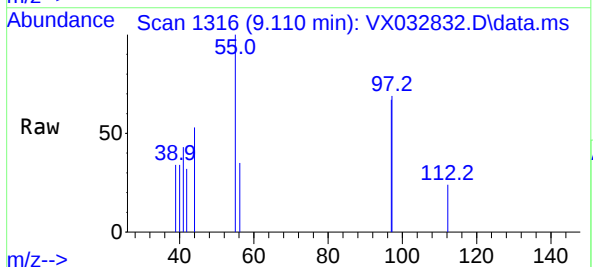
Ion Ratio Lower Upper

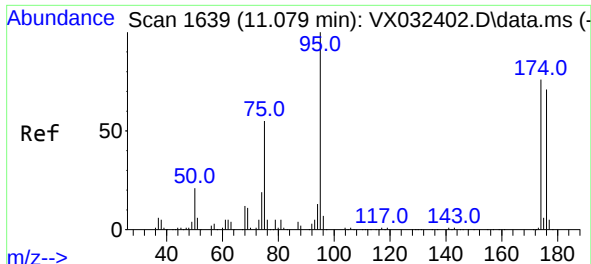
97 100

83 0.0 68.1 102.1#

85 0.0 43.3 64.9#

99 0.0 50.4 75.6#

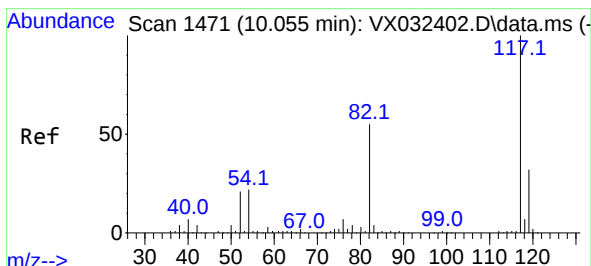
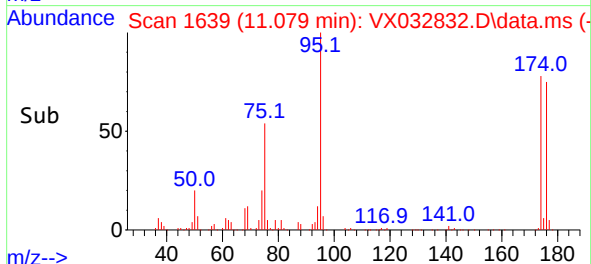
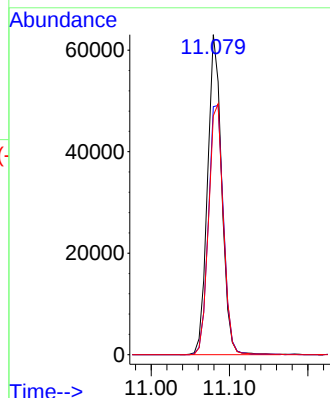
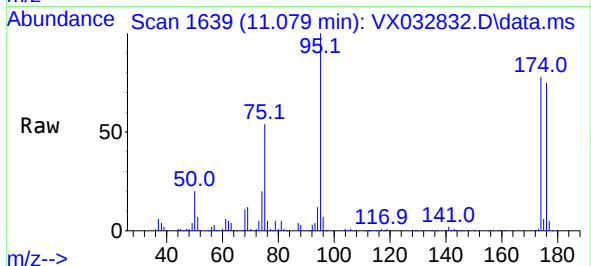




#62
4-Bromofluorobenzene
Concen: 48.685 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

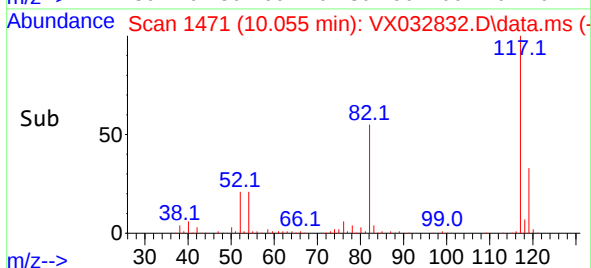
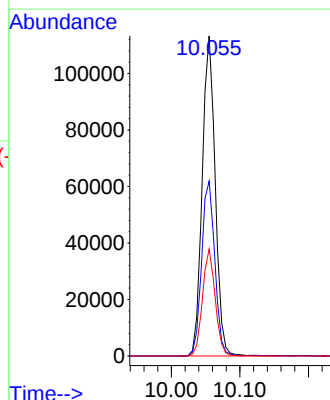
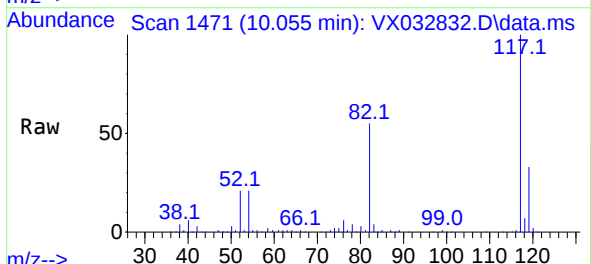
Instrument :
MSVOA_X
ClientSampleId :
MW-27

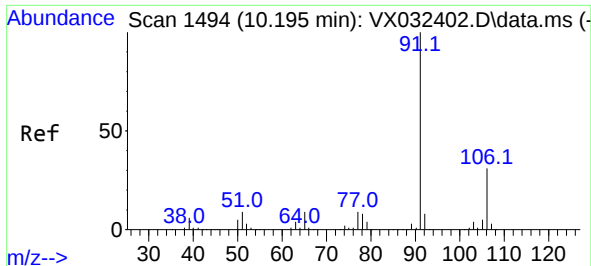
Tgt Ion: 95 Resp: 78878
Ion Ratio Lower Upper
95 100
174 83.2 0.0 164.0
176 81.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 117 Resp: 149878
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 33.4 25.7 38.5

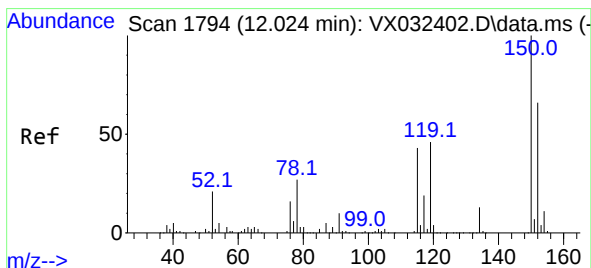
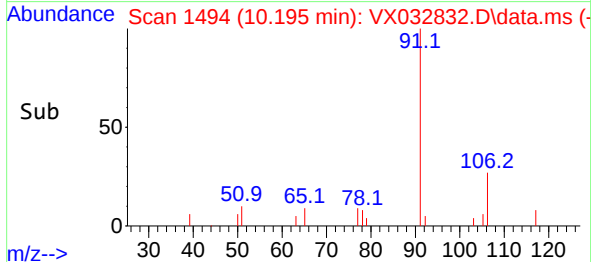
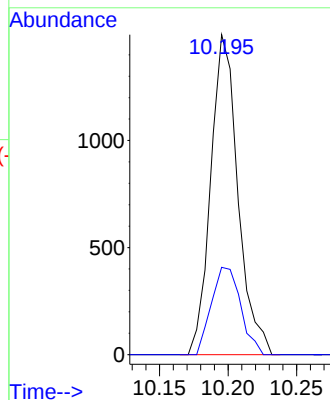
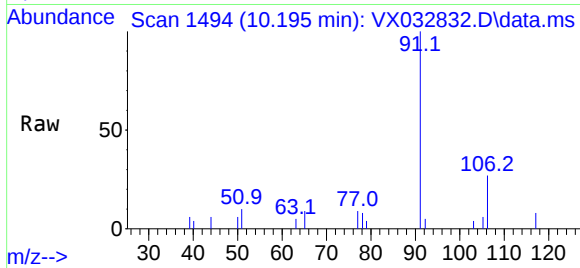




#67
Ethyl Benzene
Concen: 0.343 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

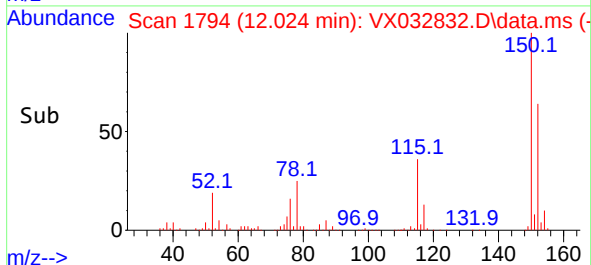
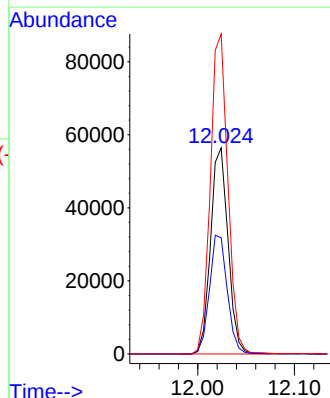
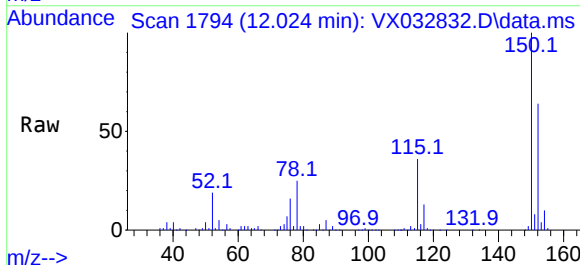
Instrument :
MSVOA_X
ClientSampleId :
MW-27

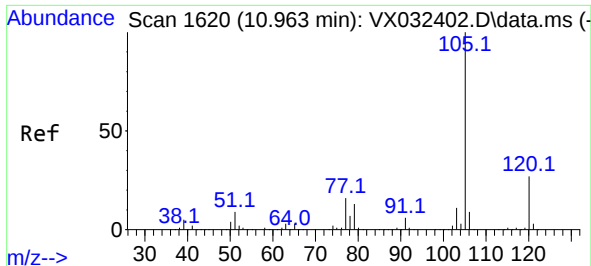
Tgt Ion: 91 Resp: 2061
Ion Ratio Lower Upper
91 100
106 27.3 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 152 Resp: 71062
Ion Ratio Lower Upper
152 100
115 58.7 44.0 132.0
150 155.8 0.0 351.8

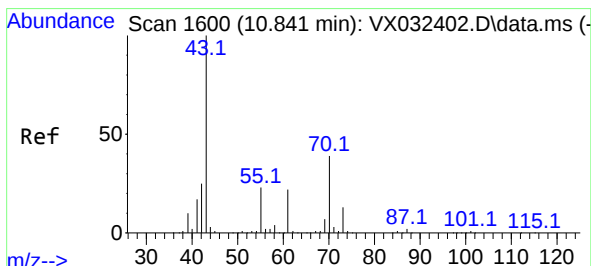
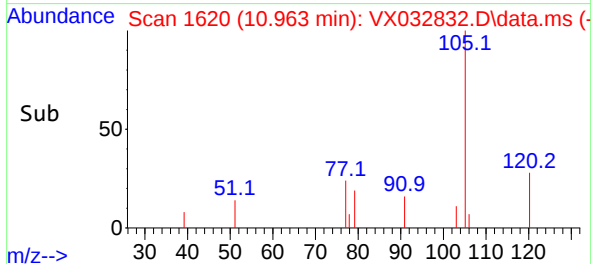
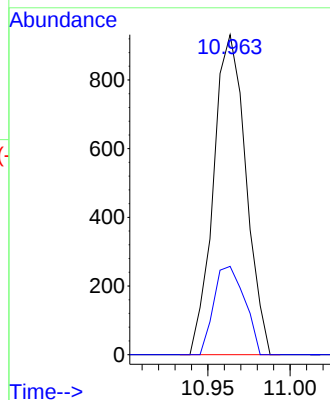
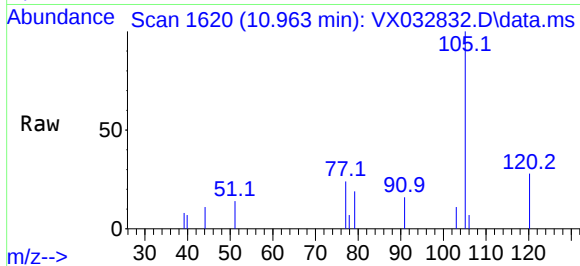




#73
Isopropylbenzene
Concen: 0.227 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

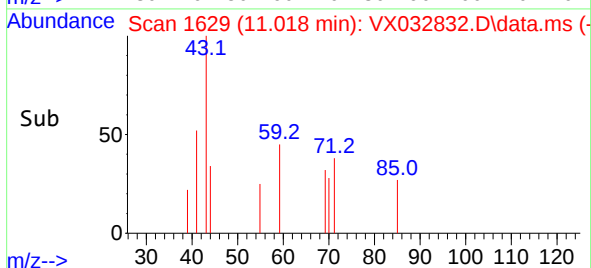
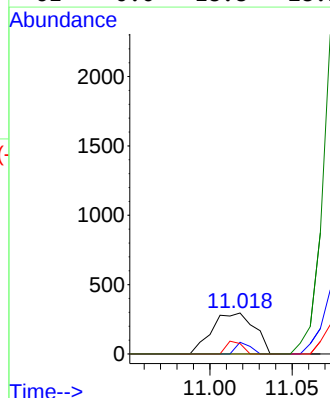
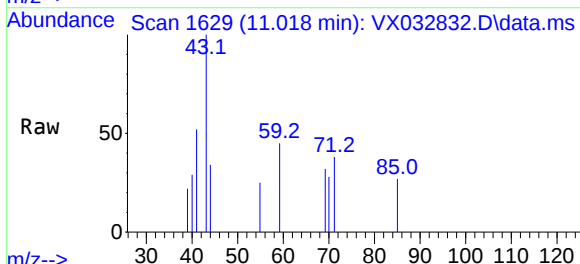
Instrument :
MSVOA_X
ClientSampleId :
MW-27

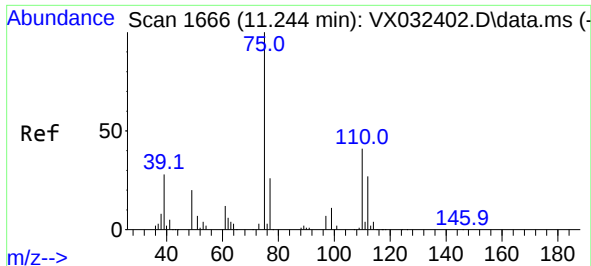
Tgt Ion:105 Resp: 1278
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.3



#74
N-ethyl acetate
Concen: 0.250 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.177 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
70 9.6 33.6 50.4#
55 11.5 19.4 29.2#
61 0.0 18.8 28.2#

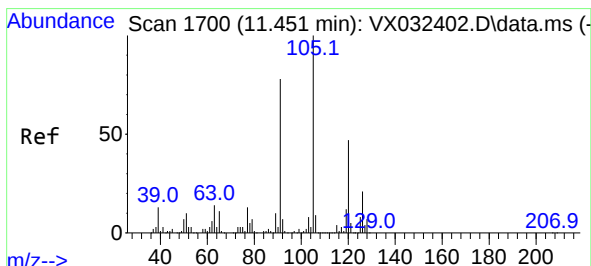
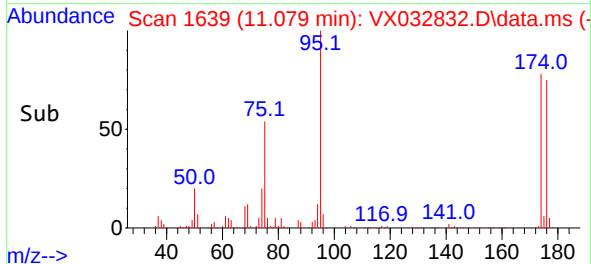
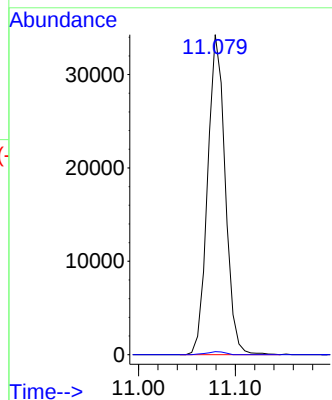
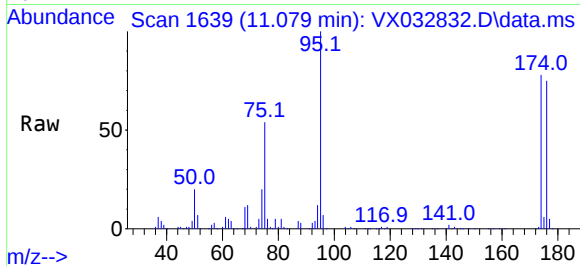




#76
1,2,3-Trichloropropane
Concen: 27.471 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

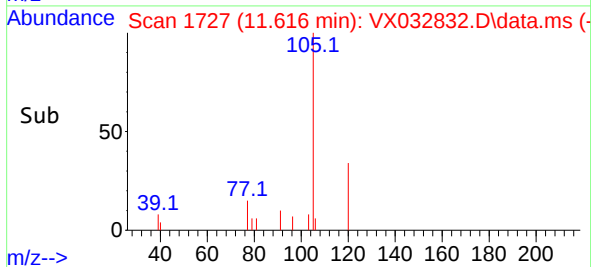
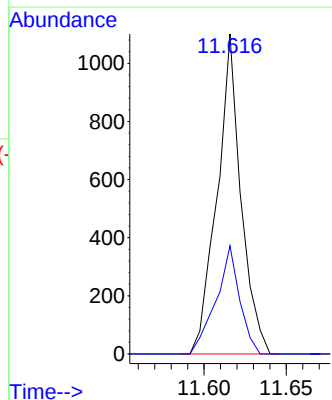
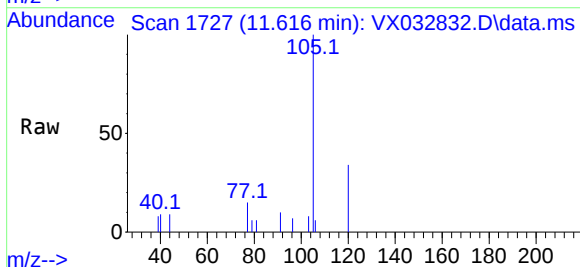
Instrument :
MSVOA_X
ClientSampleId :
MW-27

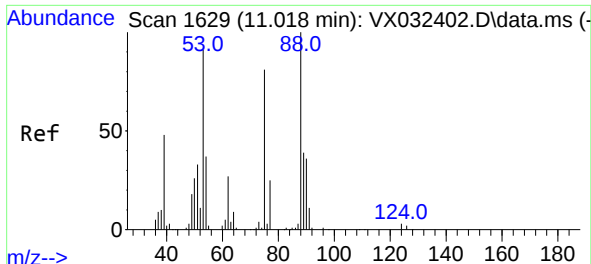
Tgt Ion: 75 Resp: 43430
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.230 ug/l
RT: 11.616 min Scan# 1727
Delta R.T. 0.165 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 105 Resp: 1109
Ion Ratio Lower Upper
105 100
120 33.5 23.6 71.0

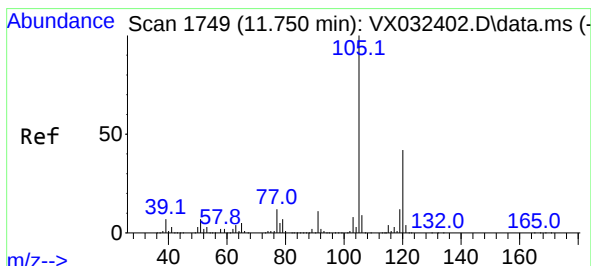
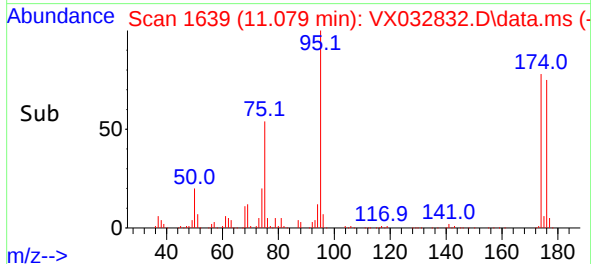
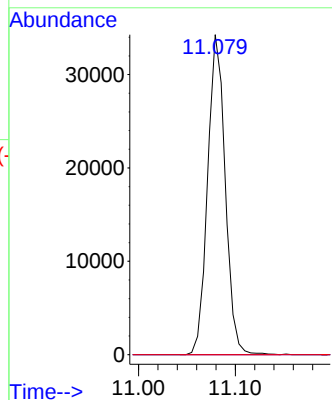
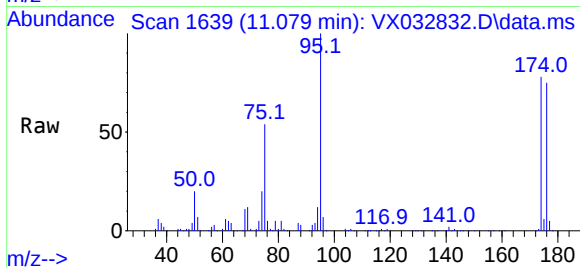




#81
trans-1,4-Dichloro-2-butene
Concen: 87.413 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

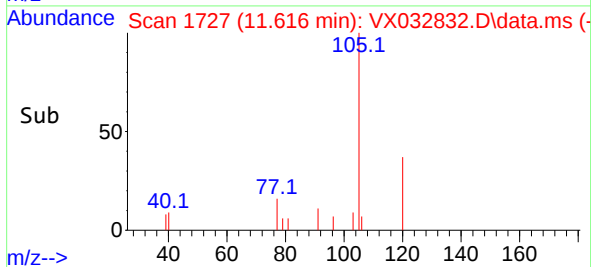
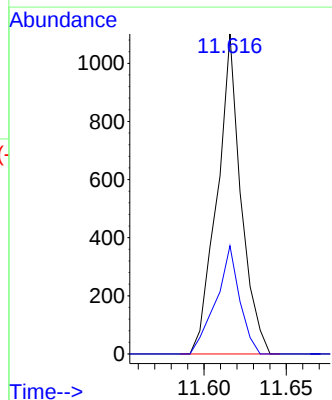
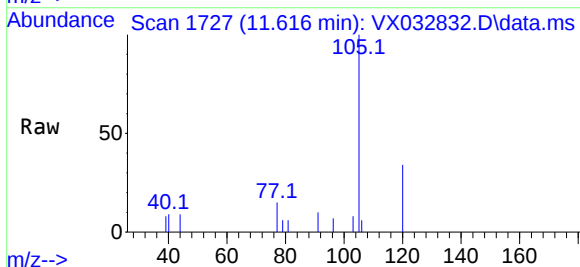
Instrument :
MSVOA_X
ClientSampleId :
MW-27

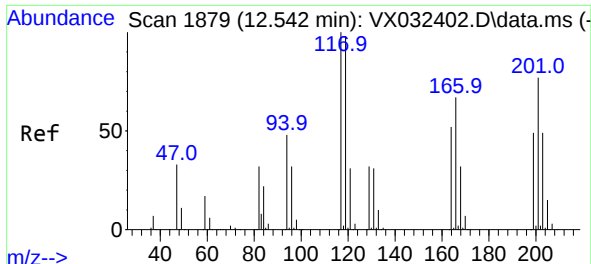
Tgt Ion: 75 Resp: 43430
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.232 ug/l
RT: 11.616 min Scan# 1727
Delta R.T. -0.134 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Tgt Ion: 105 Resp: 1109
Ion Ratio Lower Upper
105 100
120 33.5 21.9 65.5

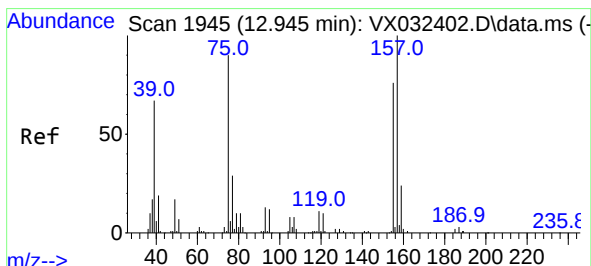
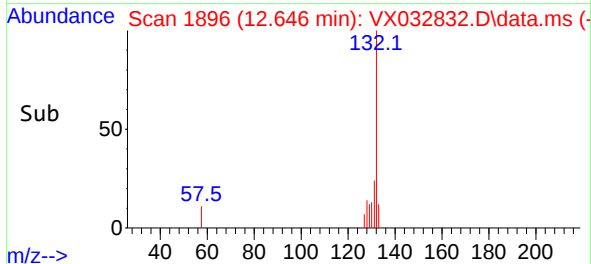
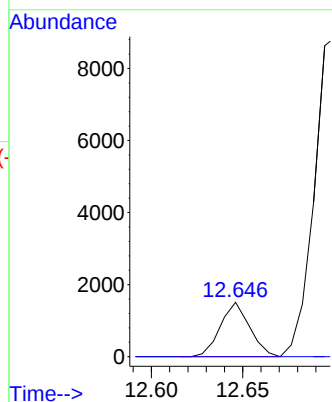
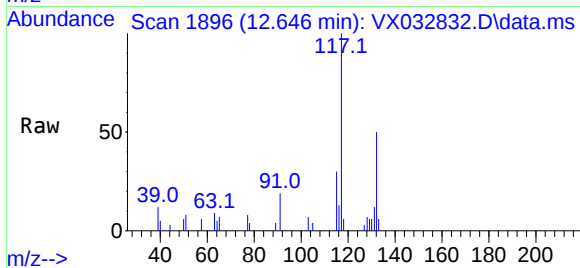




#90
Hexachloroethane
Concen: 2.109 ug/l
RT: 12.646 min Scan# 117
Delta R.T. 0.104 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

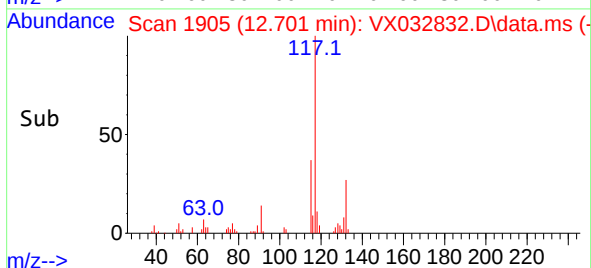
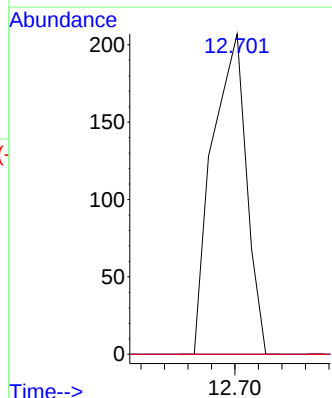
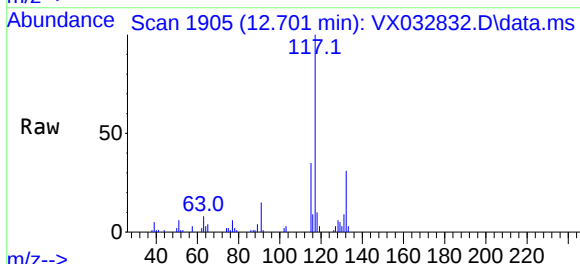
Instrument :
MSVOA_X
ClientSampleId :
MW-27

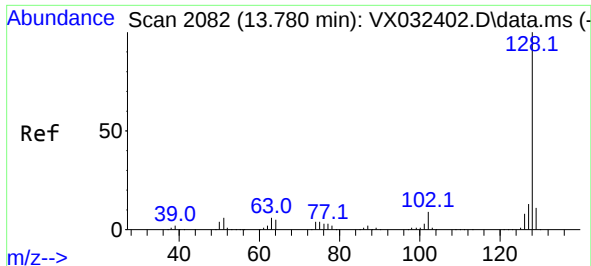
Tgt Ion:117 Resp: 1690
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.527 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. -0.244 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

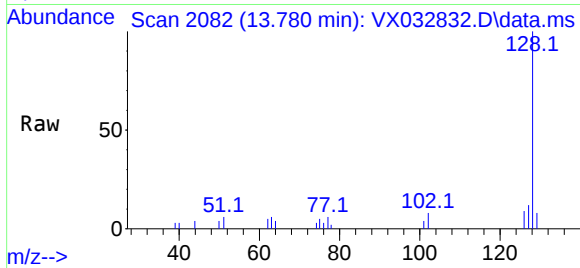
Tgt Ion: 75 Resp: 209
Ion Ratio Lower Upper
75 100
155 0.0 41.6 124.8#
157 0.0 54.1 162.4#





#95
Naphthalene
Concen: 0.702 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX032832.D
Acq: 15 Nov 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-27



Tgt Ion:128 Resp: 3919

Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.4
129	10.3	8.9	13.3

