

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062623\
 Data File : VX036331.D
 Acq On : 26 Jun 2023 16:06
 Operator : JC/MD
 Sample : 03291-03DL 250X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6ADL2

Quant Time: Jun 27 04:24:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

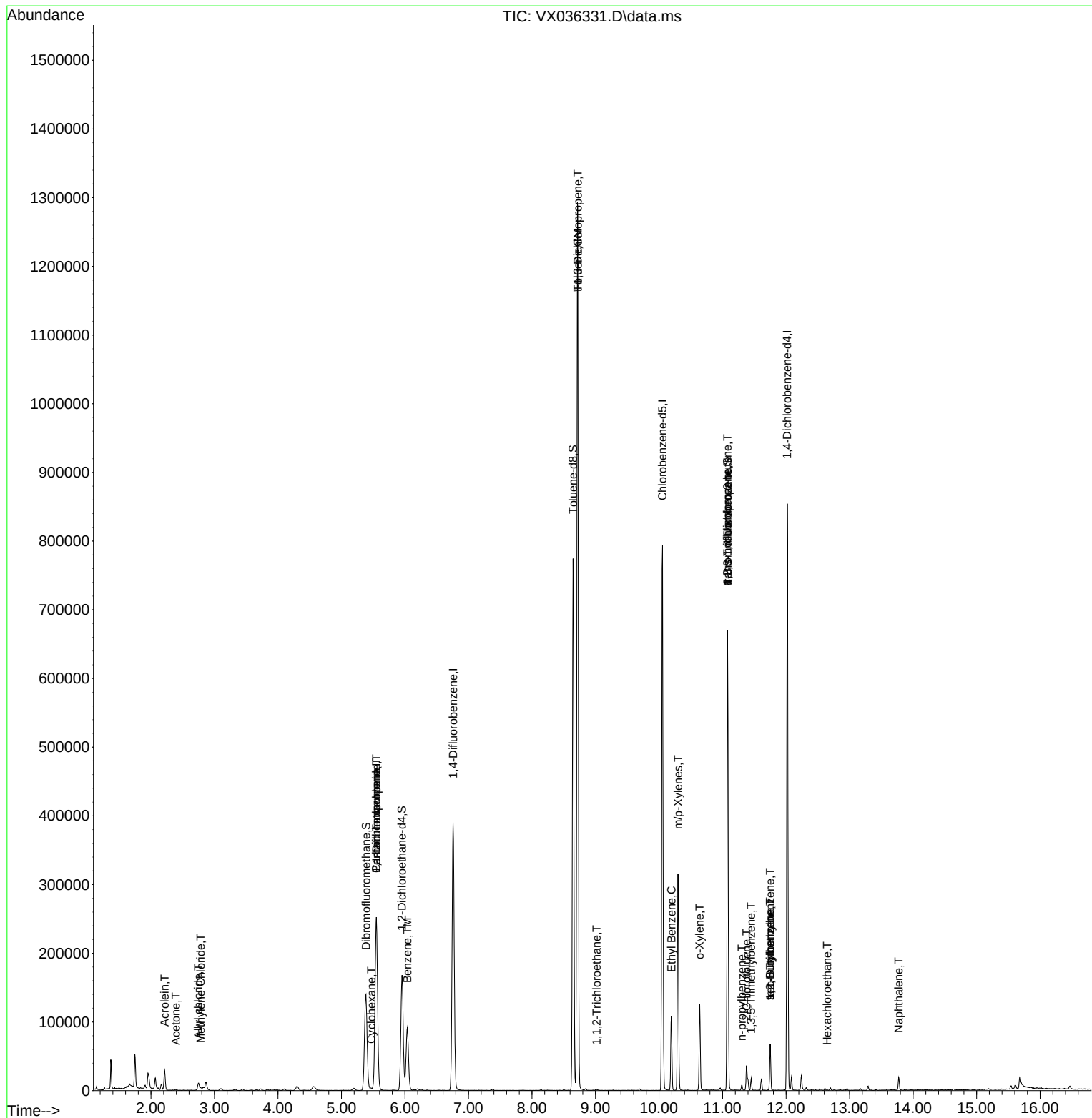
Internal Standards						
1) Pentafluorobenzene	5.550	168	236965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	395305	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	175771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	160767	47.330	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.660%		
35) Dibromofluoromethane	5.385	113	123203	47.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.540%		
50) Toluene-d8	8.647	98	466971	47.966	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.940%		
62) 4-Bromofluorobenzene	11.079	95	171220	49.931	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.860%		
Target Compounds					Qvalue	
13) Acrolein	2.215	56	817	0.962	ug/l #	1
14) Allyl chloride	2.745	41	2105	0.481	ug/l #	37
16) Acetone	2.392	43	1755	1.209	ug/l #	85
20) Methylene Chloride	2.782	84	1218	0.390	ug/l #	72
31) Cyclohexane	5.471	56	1722	0.396	ug/l #	80
36) 1,1-Dichloropropene	5.550	75	19063	4.906	ug/l #	51
38) Carbon Tetrachloride	5.550	117	24646	6.945	ug/l #	15
40) Benzene	6.038	78	108995	10.042	ug/l	96
52) Toluene	8.720	92	487618	70.891	ug/l	95
53) t-1,3-Dichloropropene	8.720	75	5991	1.576	ug/l #	1
55) 1,1,2-Trichloroethane	9.019	97	1319	0.461	ug/l #	17
67) Ethyl Benzene	10.195	91	62787	4.669	ug/l	98
68) m/p-Xylenes	10.299	106	71878	13.757	ug/l	95
69) o-Xylene	10.640	106	25946	5.142	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	88482	23.600	ug/l #	39
78) n-propylbenzene	11.305	91	4828	0.312	ug/l	97
79) 2-Chlorotoluene	11.378	91	3079	0.335	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	7053	0.629	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	88482	76.930	ug/l #	5
83) tert-Butylbenzene	11.750	119	3580	0.333	ug/l #	65
84) 1,2,4-Trimethylbenzene	11.750	105	26961	2.429	ug/l	94
85) sec-Butylbenzene	11.750	105	26961	1.980	ug/l #	57
90) Hexachloroethane	12.646	117	431	0.249	ug/l #	17
95) Naphthalene	13.774	128	11829	0.986	ug/l	98

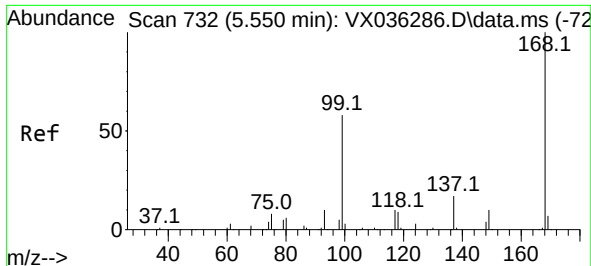
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

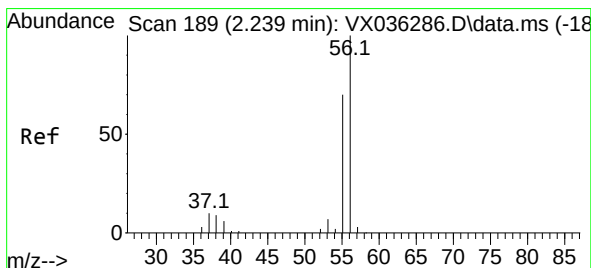
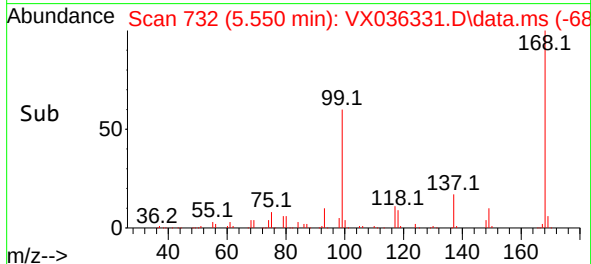
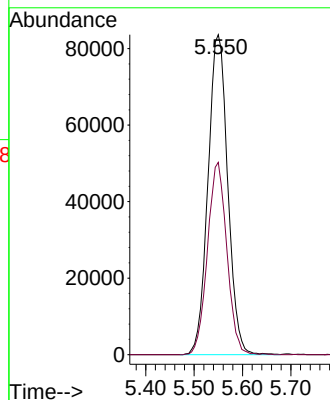
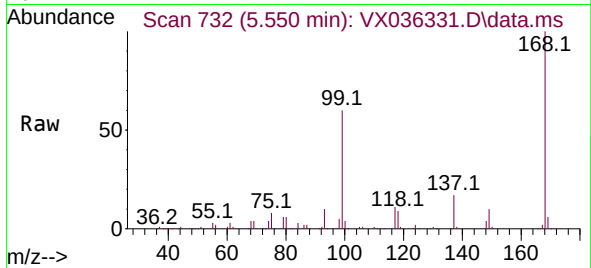




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

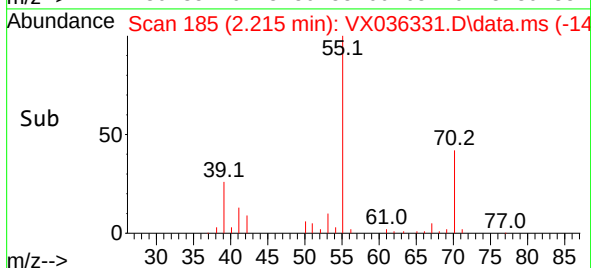
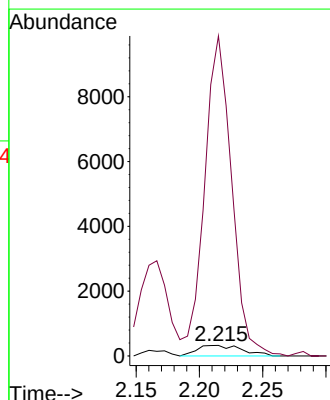
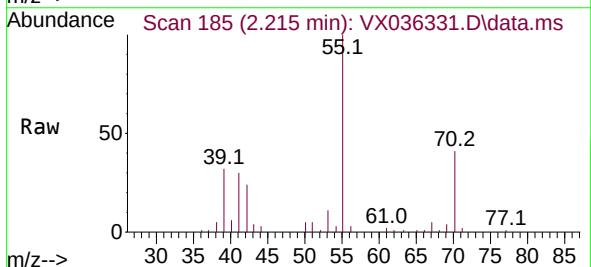
Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

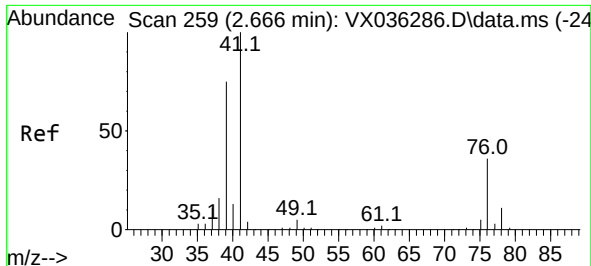
Tgt Ion:168 Resp: 236965
Ion Ratio Lower Upper
168 100
99 60.1 56.6 85.0



#13
Acrolein
Concen: 0.962 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.024 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

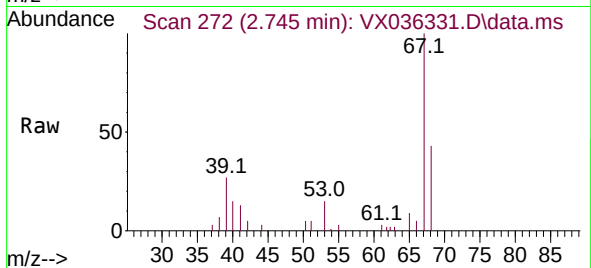
Tgt Ion: 56 Resp: 817
Ion Ratio Lower Upper
56 100
55 1801.0 57.1 85.7#



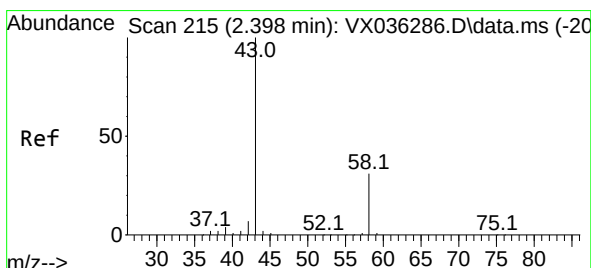
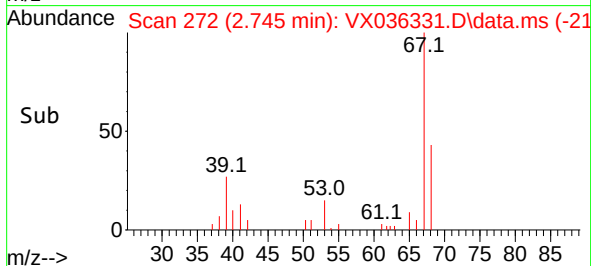
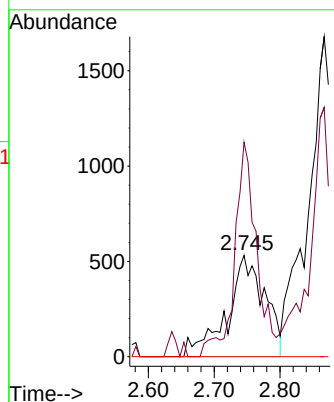


#14
 Allyl chloride
 Concen: 0.481 ug/l
 RT: 2.745 min Scan# 2105
 Delta R.T. 0.079 min
 Lab File: VX036331.D
 Acq: 26 Jun 2023 16:06

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6ADL2

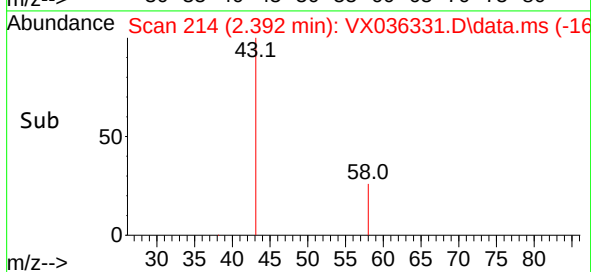
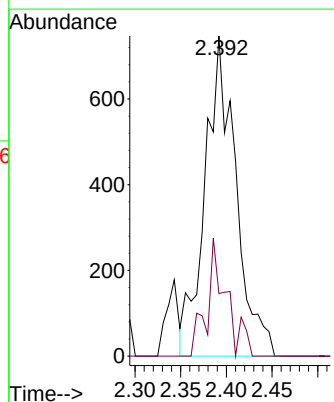
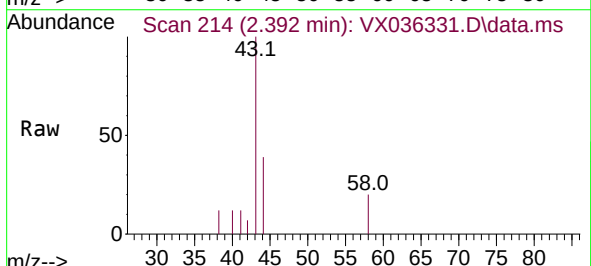


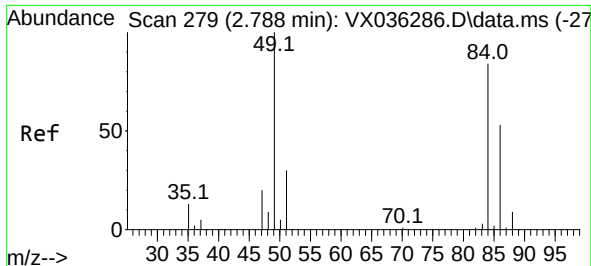
Tgt Ion	Ratio	Lower	Upper
41	100		
39	123.7	55.8	83.6#
76	0.0	24.3	36.5#



#16
 Acetone
 Concen: 1.209 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.012 min
 Lab File: VX036331.D
 Acq: 26 Jun 2023 16:06

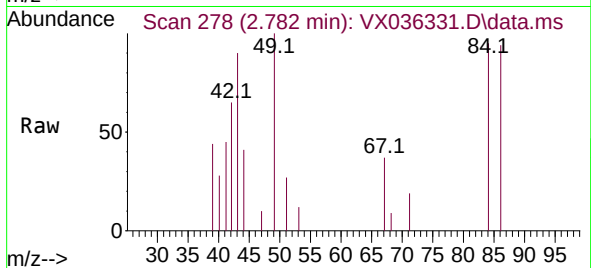
Tgt Ion	Ratio	Lower	Upper
43	100		
58	19.5	21.9	32.9#



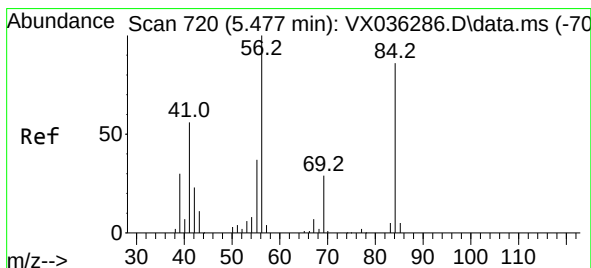
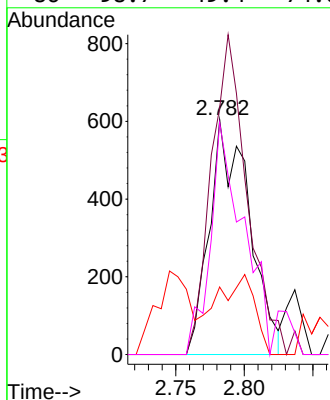
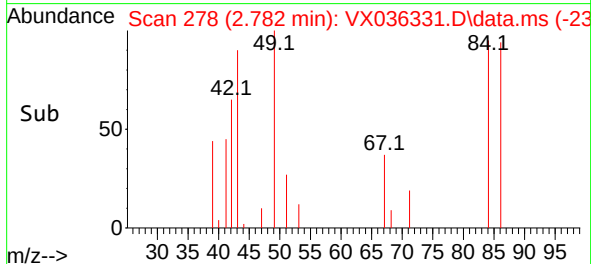


#20
Methylene Chloride
Concen: 0.390 ug/l
RT: 2.782 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

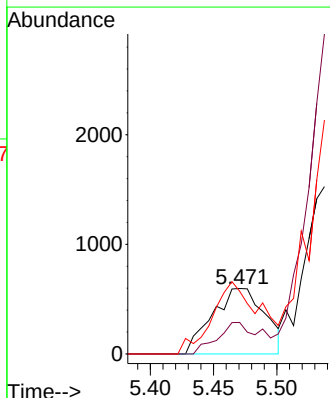
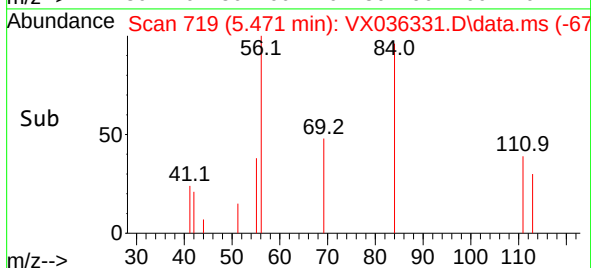
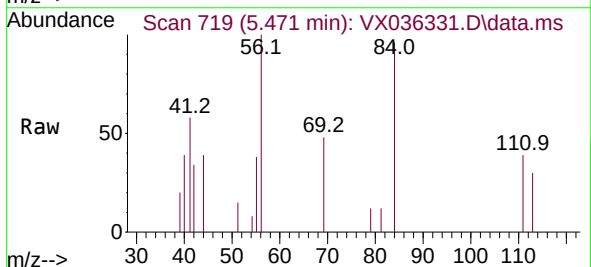


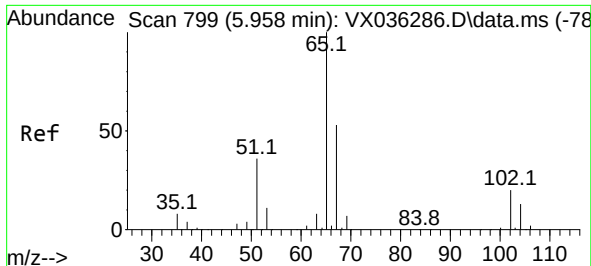
Tgt Ion: 84	Resp: 1218
Ion Ratio	Lower Upper
84 100	
49 104.8	103.6 155.4
51 28.8	33.8 50.6#
86 98.7	49.4 74.0#



#31
Cyclohexane
Concen: 0.396 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.001 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion: 56	Resp: 1722
Ion Ratio	Lower Upper
56 100	
69 48.1	23.4 35.2#
84 95.8	65.9 98.9

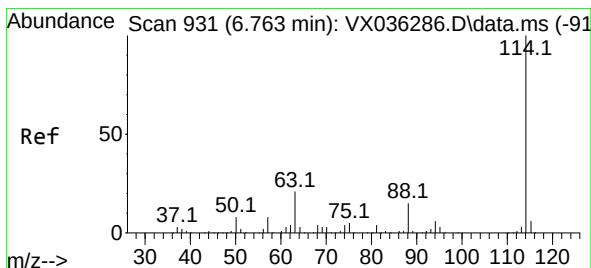
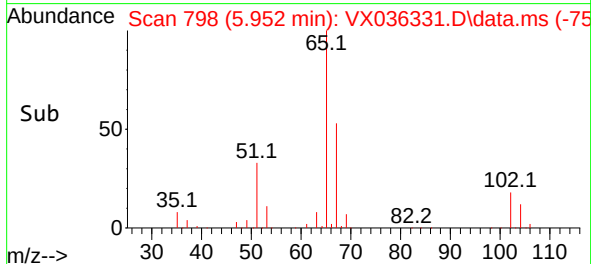
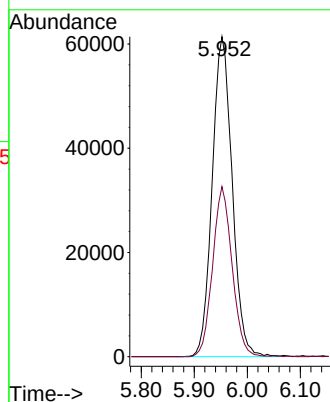
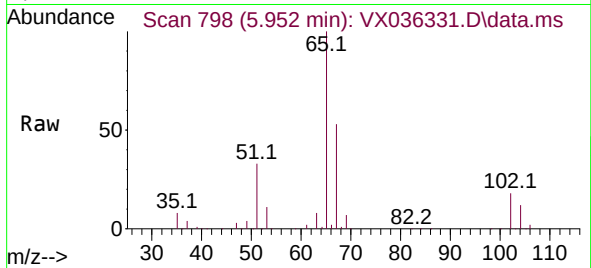




#33
1,2-Dichloroethane-d4
Concen: 47.330 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

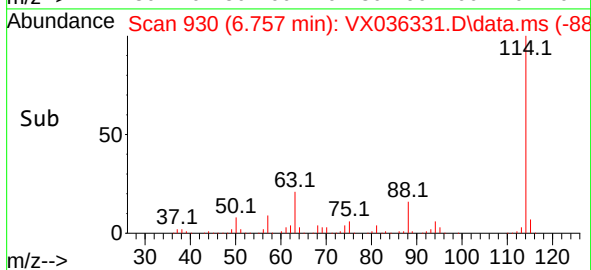
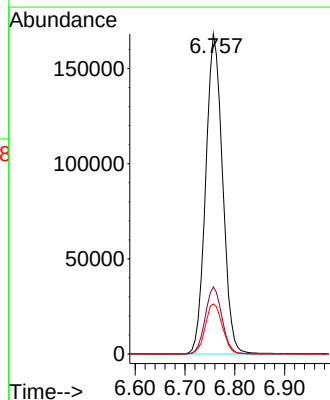
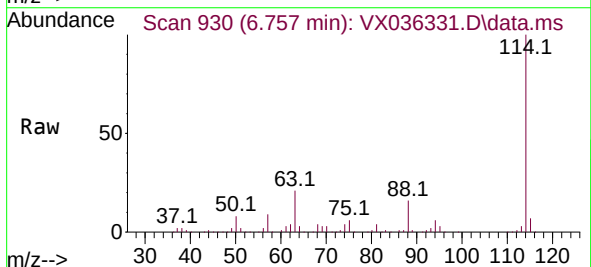
Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

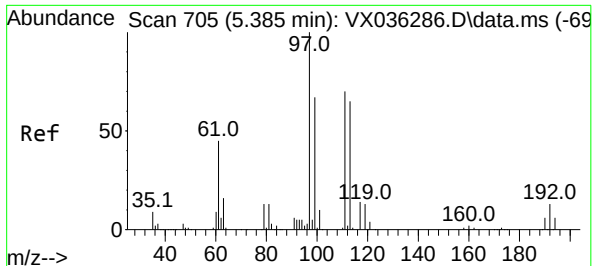
Tgt Ion: 65 Resp: 160767
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion: 114 Resp: 395305
Ion Ratio Lower Upper
114 100
63 21.0 0.0 45.0
88 15.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.267 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036331.D

Acq: 26 Jun 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

MW-6ADL2

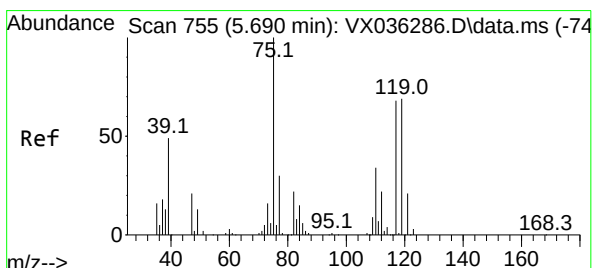
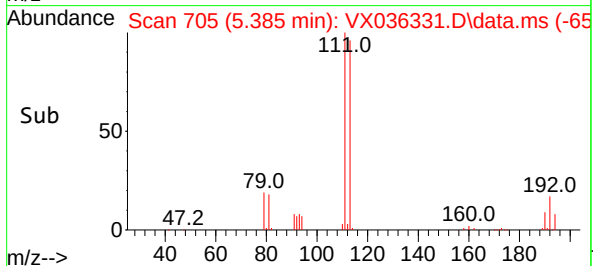
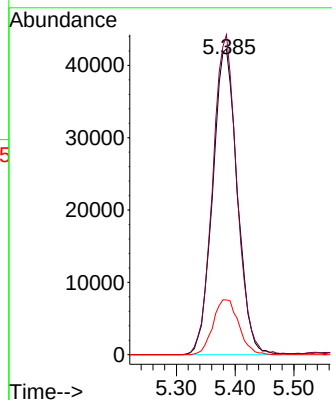
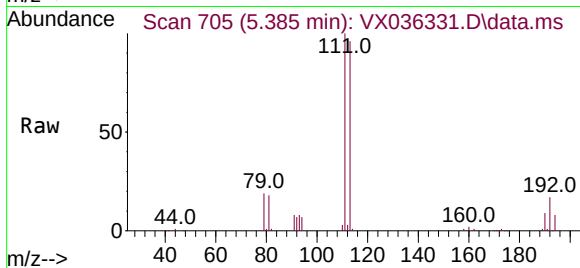
Tgt Ion:113 Resp: 123203

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

192 18.7 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.906 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX036331.D

Acq: 26 Jun 2023 16:06

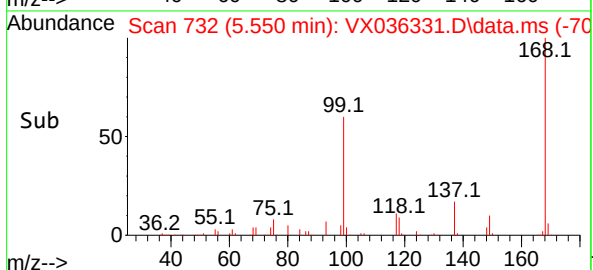
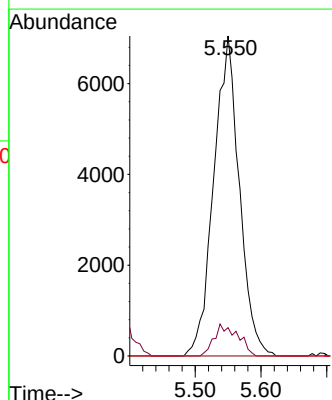
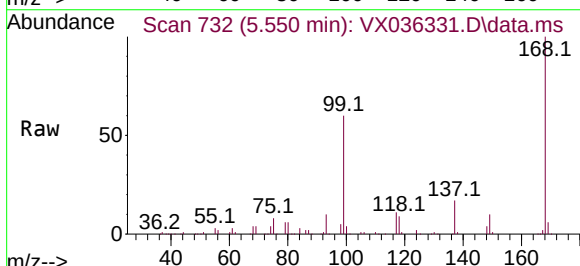
Tgt Ion: 75 Resp: 19063

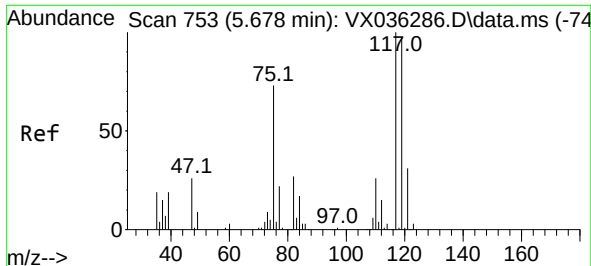
Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

77 0.0 24.7 37.1#

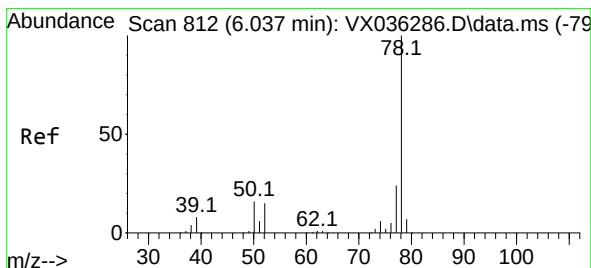
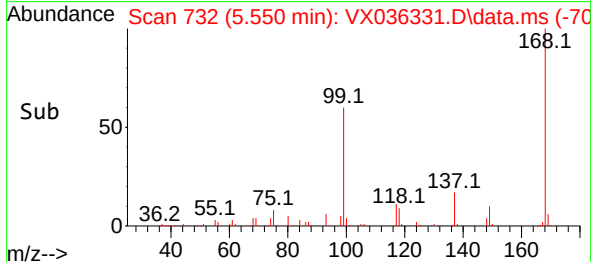
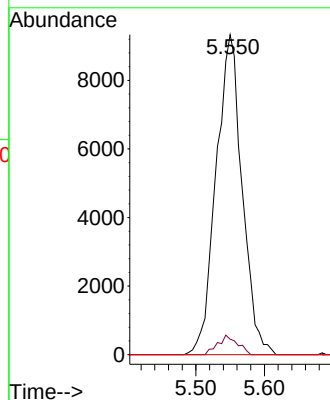
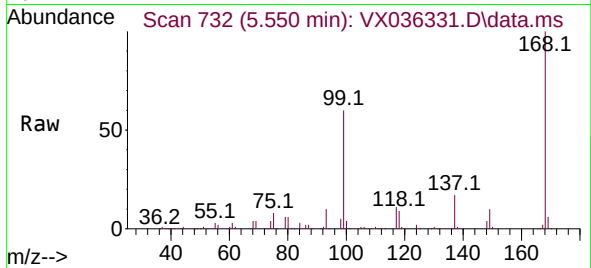




#38
Carbon Tetrachloride
Concen: 6.945 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

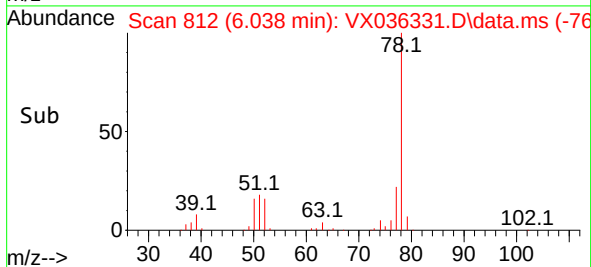
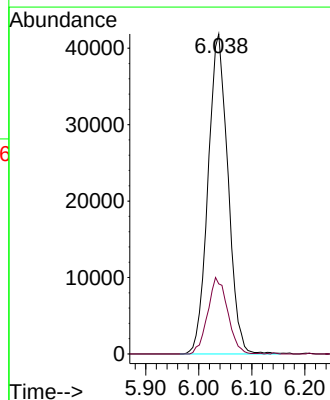
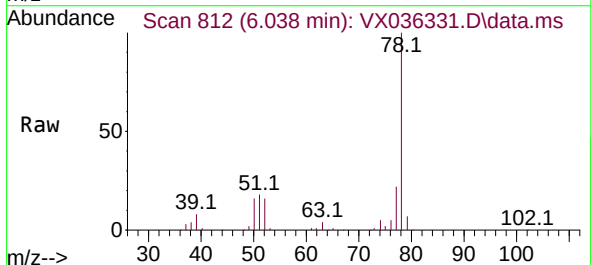
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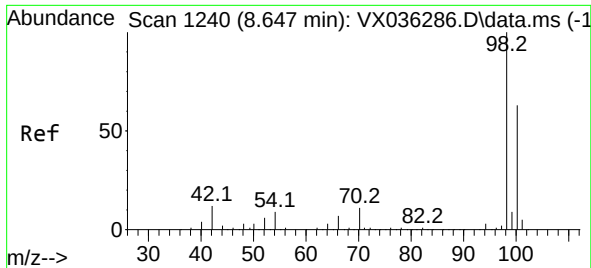
Tgt Ion:117 Resp: 24646
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 10.042 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion: 78 Resp: 108995
Ion Ratio Lower Upper
78 100
77 21.9 19.3 28.9

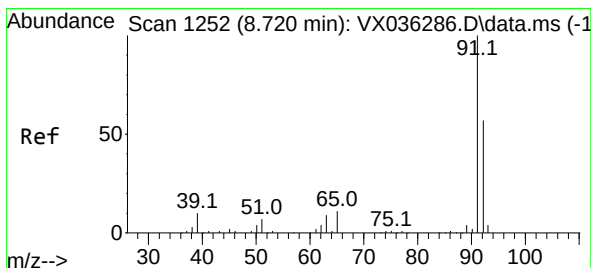
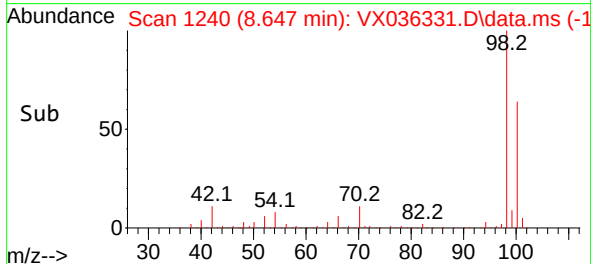
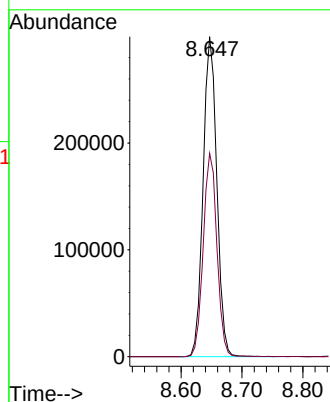
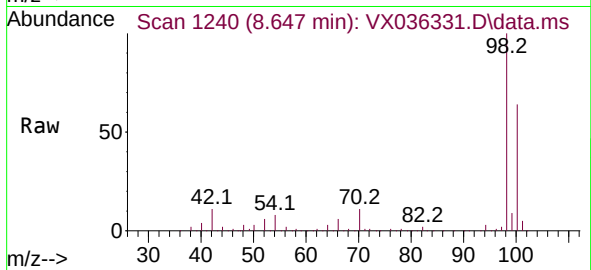




#50
Toluene-d8
Concen: 47.966 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

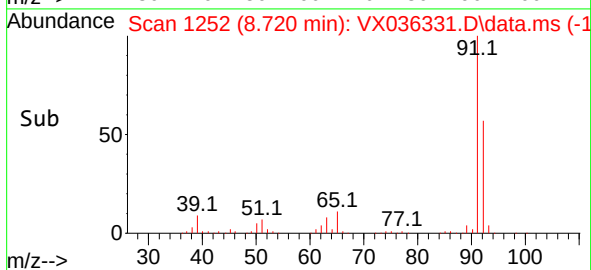
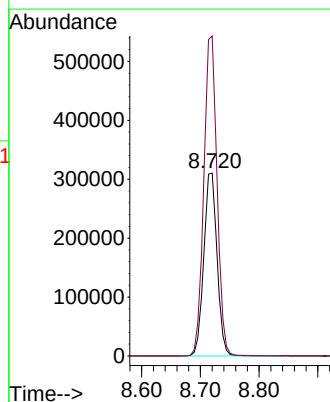
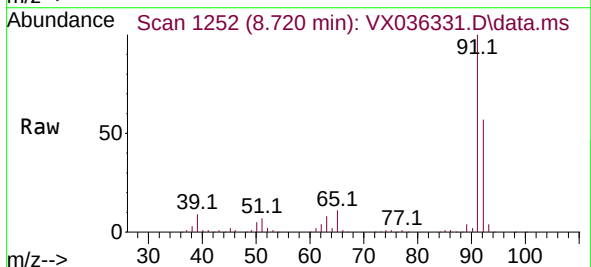
Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

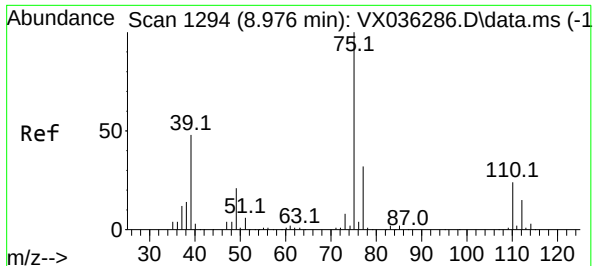
Tgt Ion: 98 Resp: 466971
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7



#52
Toluene
Concen: 70.891 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion: 92 Resp: 487618
Ion Ratio Lower Upper
92 100
91 174.9 134.2 201.2

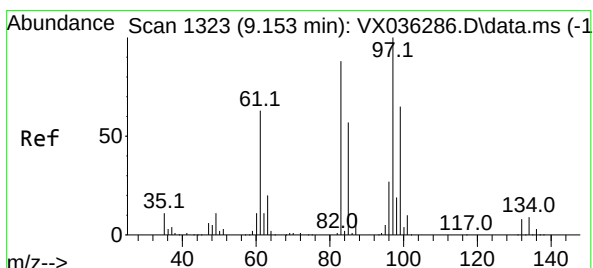
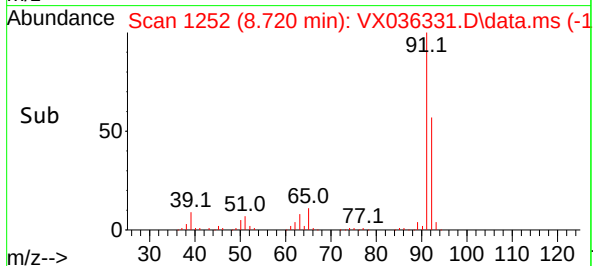
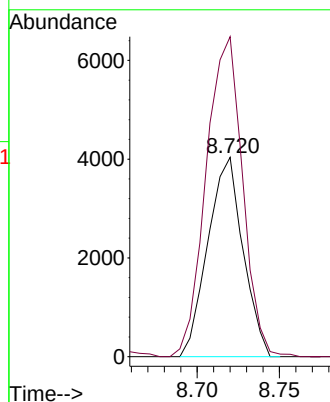
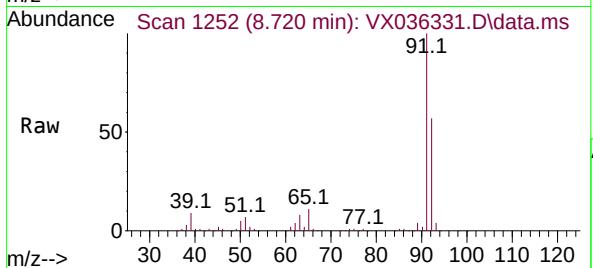




#53
t-1,3-Dichloropropene
Concen: 1.576 ug/l
RT: 8.720 min Scan# 1101
Delta R.T. -0.256 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

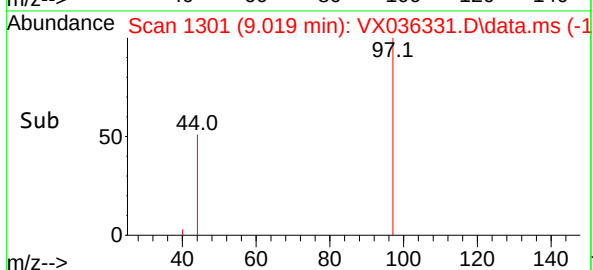
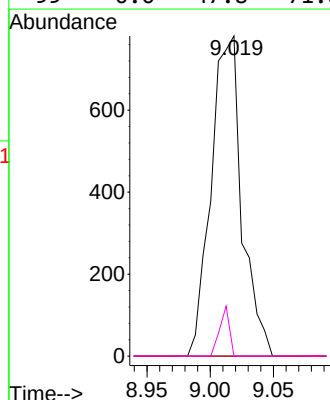
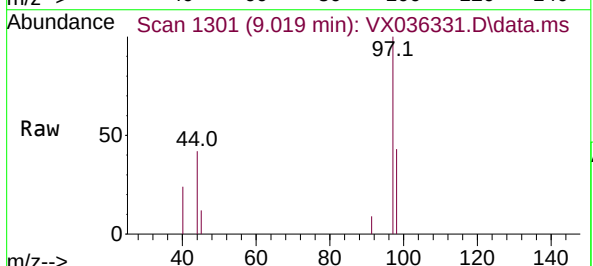
Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

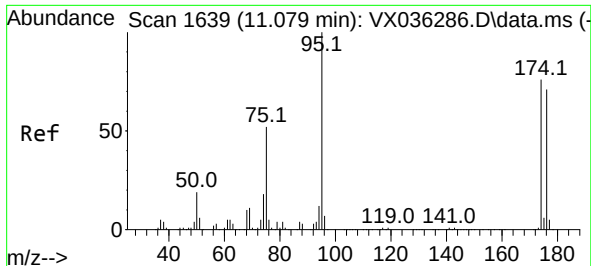
Tgt Ion: 75 Resp: 5991
Ion Ratio Lower Upper
75 100
77 159.2 25.7 38.5#



#55
1,1,2-Trichloroethane
Concen: 0.461 ug/l
RT: 9.019 min Scan# 1301
Delta R.T. -0.133 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion: 97 Resp: 1319
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 41.6 62.4#
99 0.0 47.8 71.8#

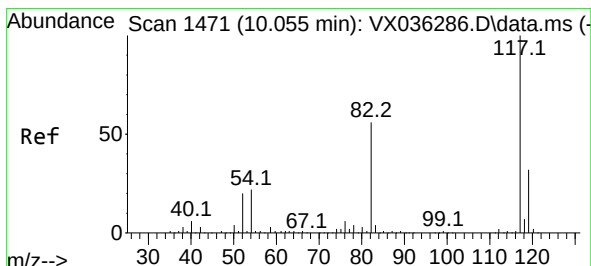
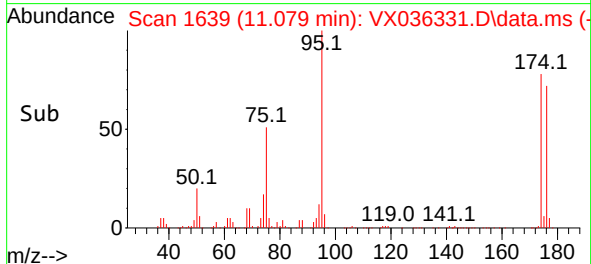
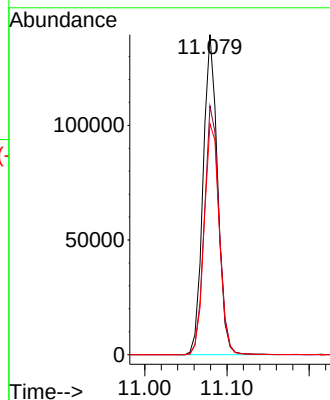
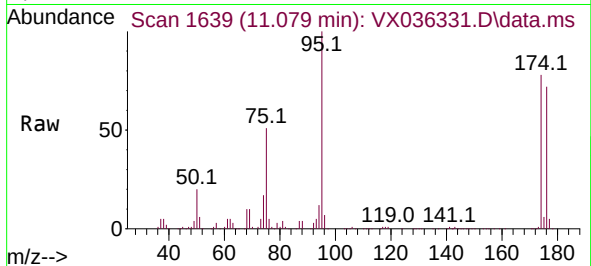




#62
4-Bromofluorobenzene
Concen: 49.931 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

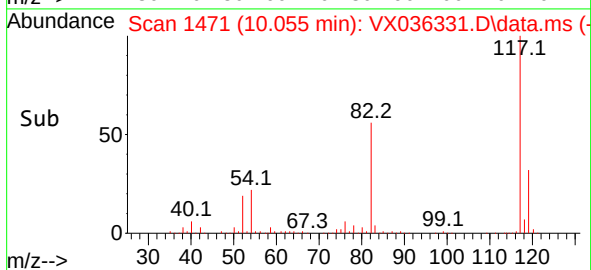
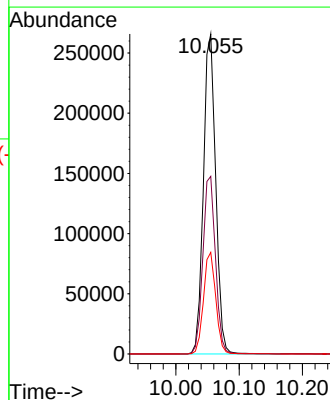
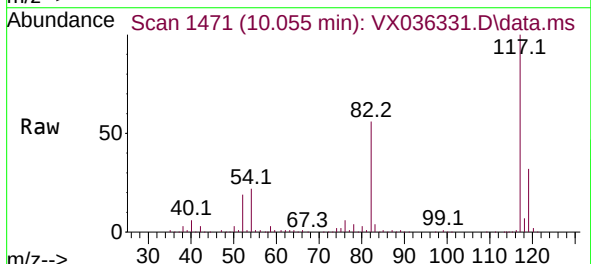
Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

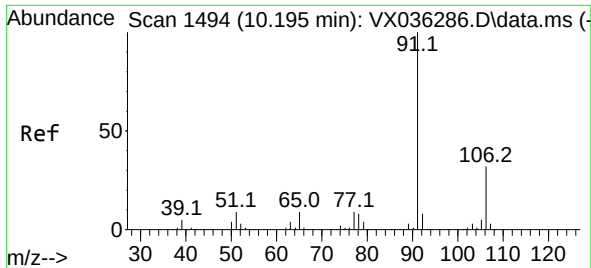
Tgt Ion: 95 Resp: 171220
Ion Ratio Lower Upper
95 100
174 79.3 0.0 135.6
176 75.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion: 117 Resp: 359849
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 31.7 25.5 38.3

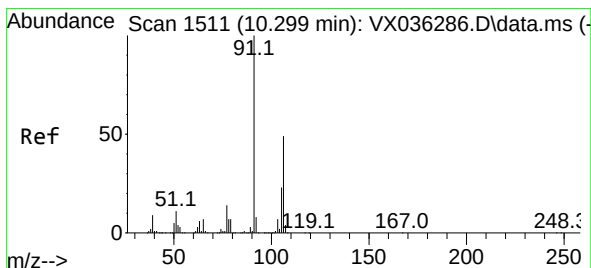
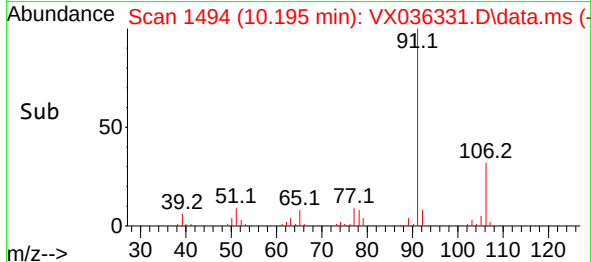
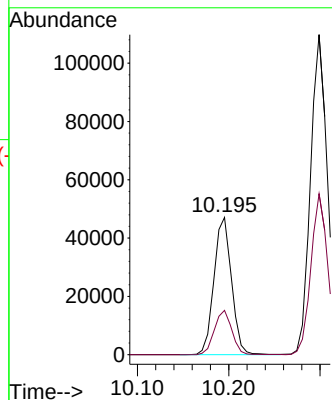
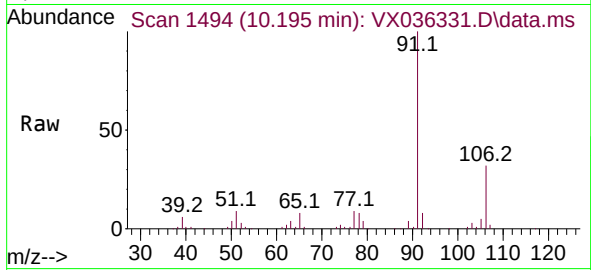




#67
Ethyl Benzene
Concen: 4.669 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

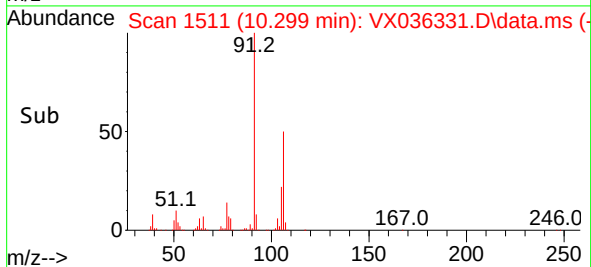
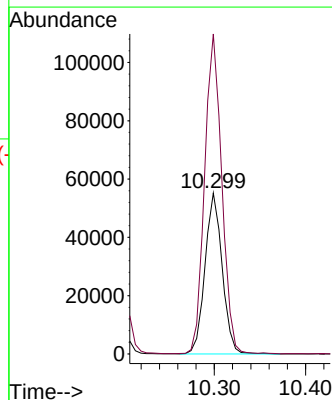
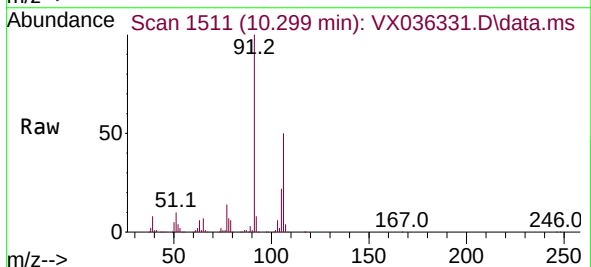
Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

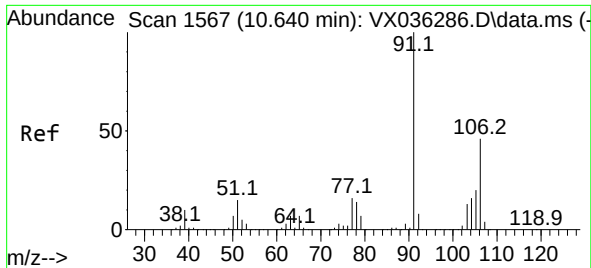
Tgt Ion: 91 Resp: 62787
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3



#68
m/p-Xylenes
Concen: 13.757 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion: 106 Resp: 71878
Ion Ratio Lower Upper
106 100
91 198.8 165.5 248.3

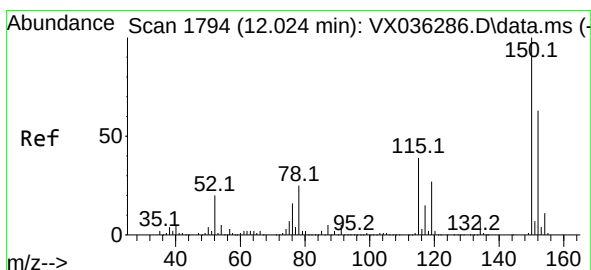
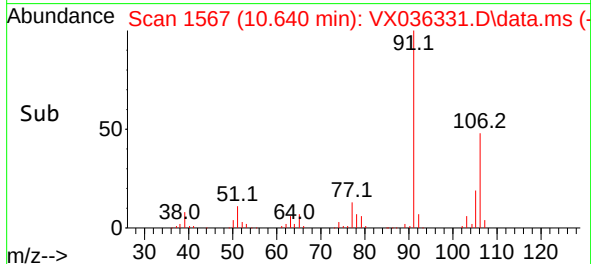
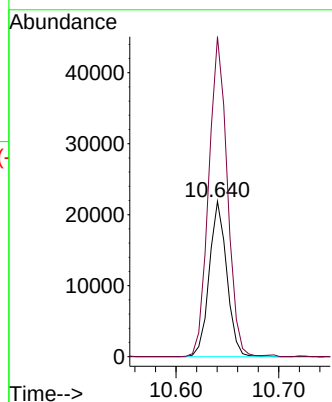
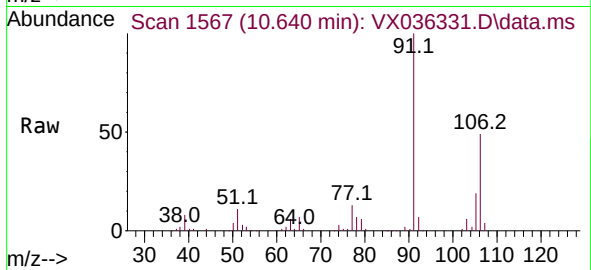




#69
o-Xylene
Concen: 5.142 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

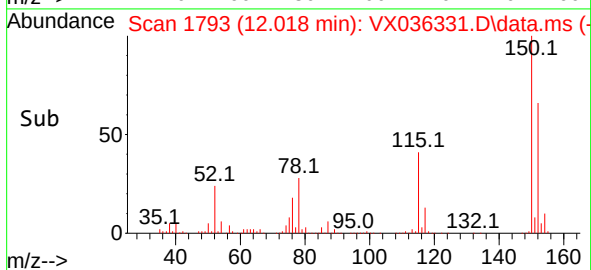
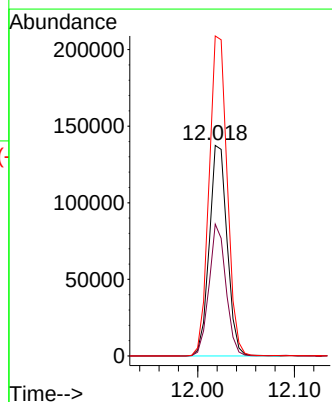
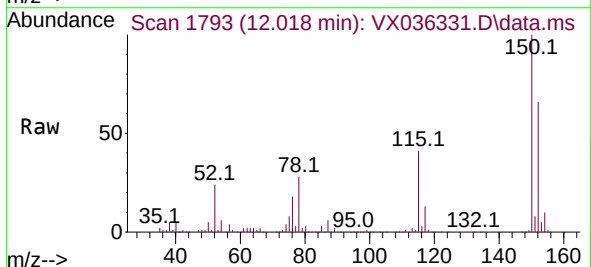
Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

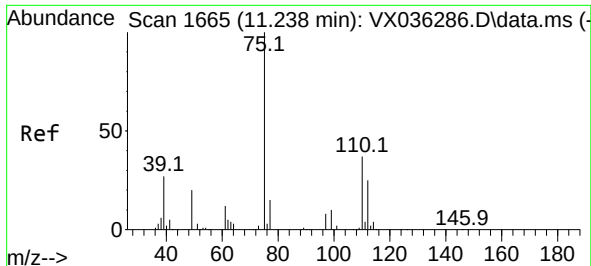
Tgt Ion:106 Resp: 25946
Ion Ratio Lower Upper
106 100
91 218.4 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion:152 Resp: 175771
Ion Ratio Lower Upper
152 100
115 59.4 43.3 129.9
150 154.6 0.0 345.0

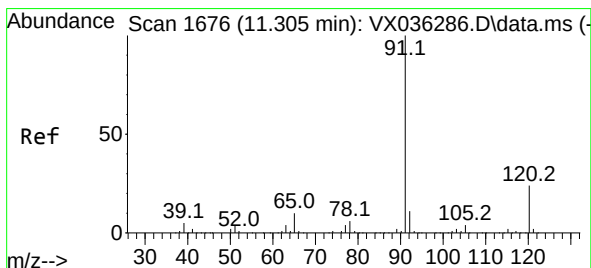
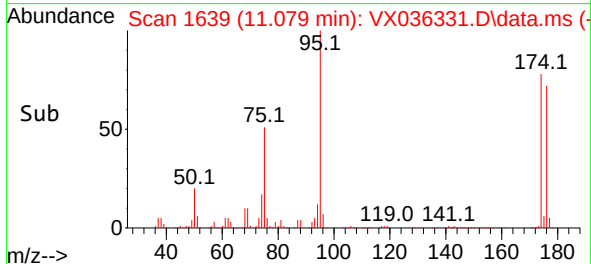
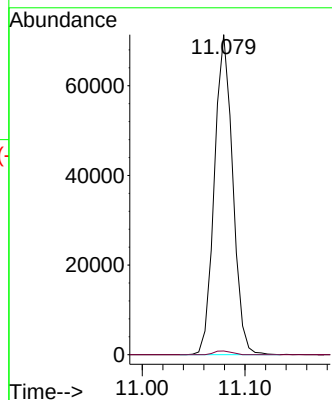
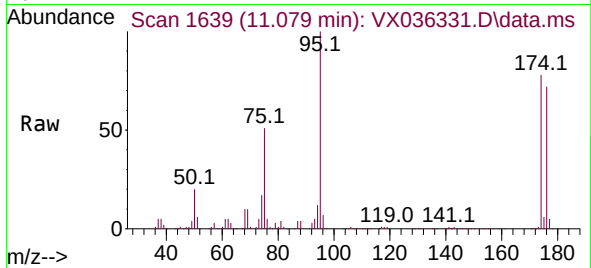




#76
1,2,3-Trichloropropane
Concen: 23.600 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

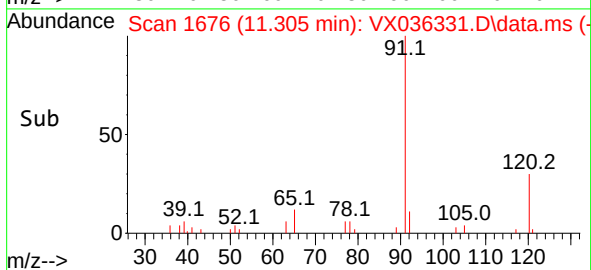
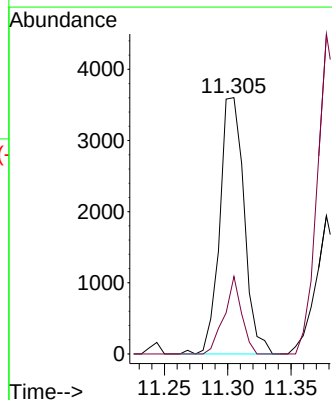
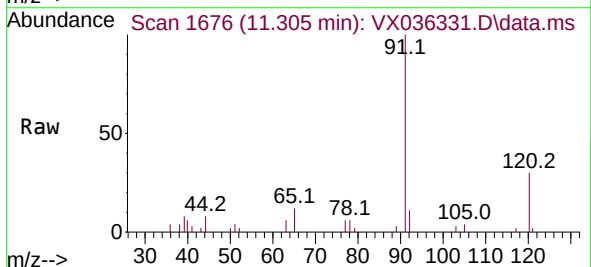
Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

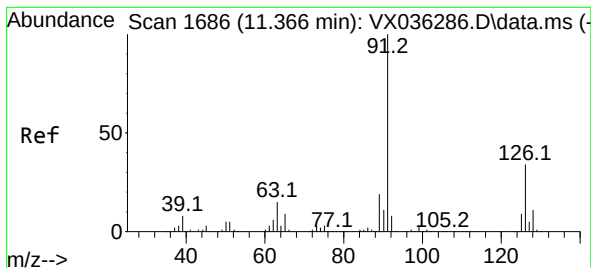
Tgt Ion: 75 Resp: 88482
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#78
n-propylbenzene
Concen: 0.312 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion: 91 Resp: 4828
Ion Ratio Lower Upper
91 100
120 21.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.335 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX036331.D

Acq: 26 Jun 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

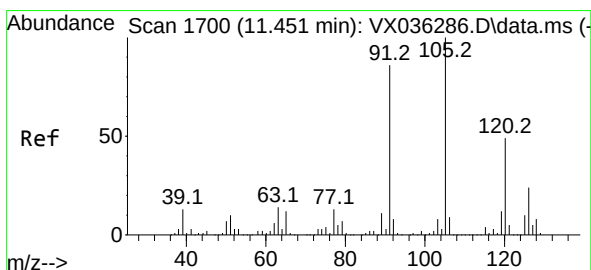
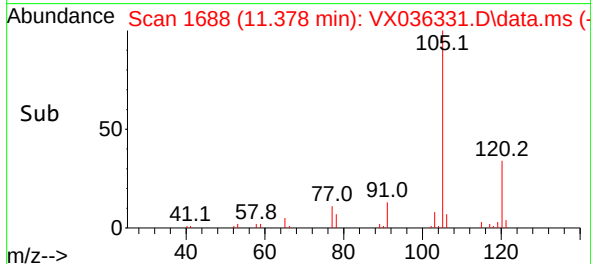
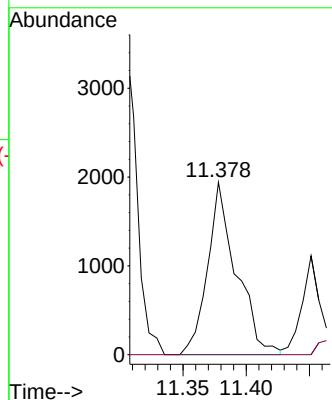
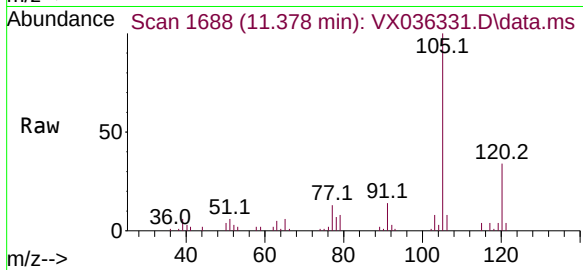
MW-6ADL2

Tgt Ion: 91 Resp: 3079

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.629 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX036331.D

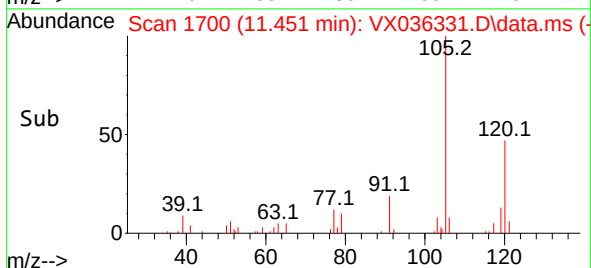
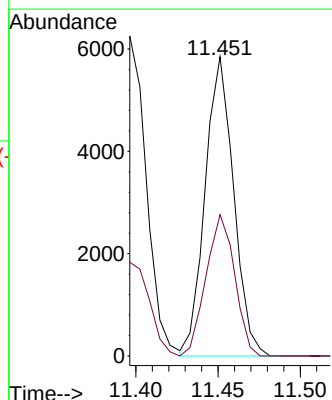
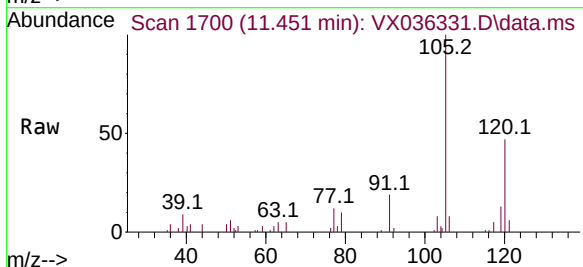
Acq: 26 Jun 2023 16:06

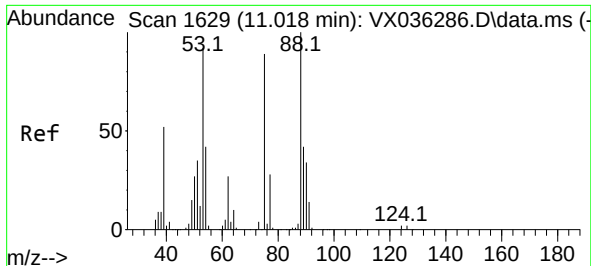
Tgt Ion: 105 Resp: 7053

Ion Ratio Lower Upper

105 100

120 47.4 24.1 72.3

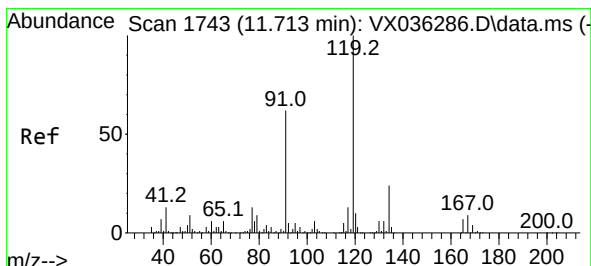
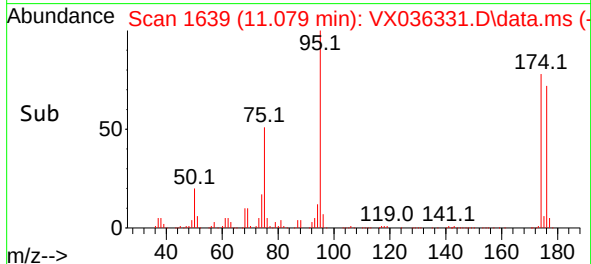
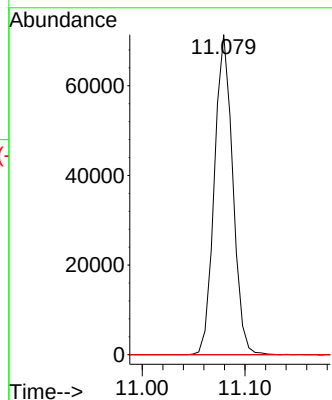
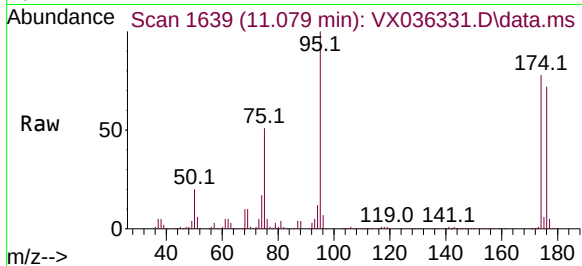




#81
trans-1,4-Dichloro-2-butene
Concen: 76.930 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

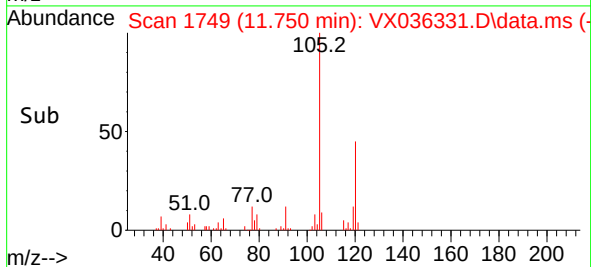
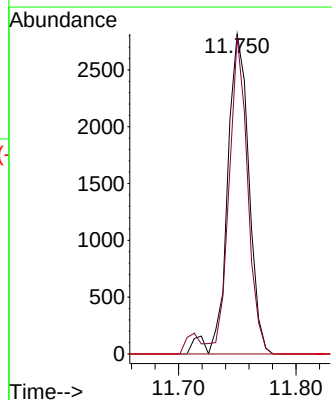
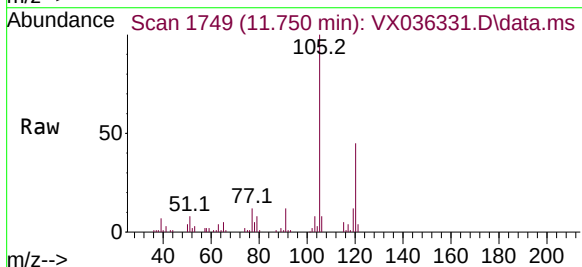
Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

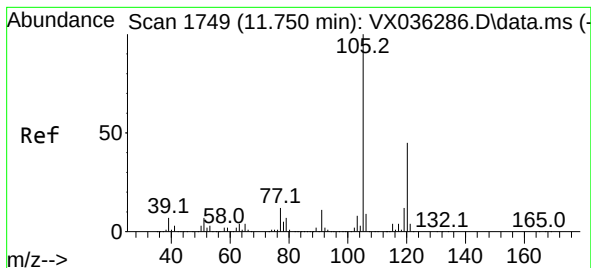
Tgt Ion: 75 Resp: 88482
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#83
tert-Butylbenzene
Concen: 0.333 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.037 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion: 119 Resp: 3580
Ion Ratio Lower Upper
119 100
91 85.8 31.2 93.6
134 0.0 11.7 35.0#





#84

1,2,4-Trimethylbenzene

Concen: 2.429 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX036331.D

Acq: 26 Jun 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

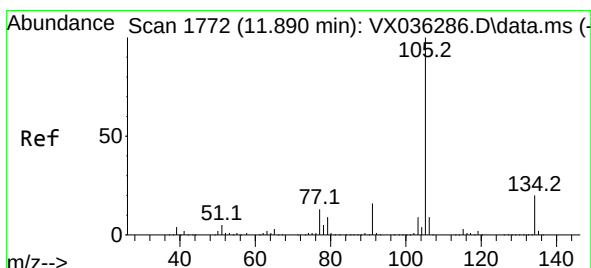
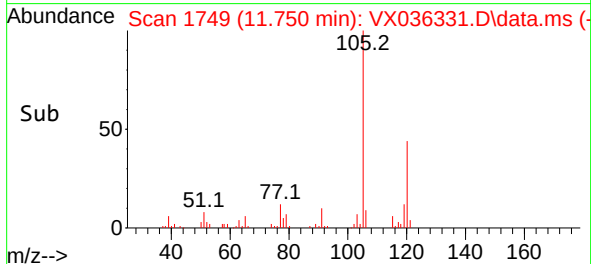
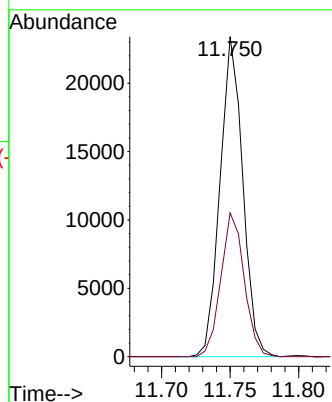
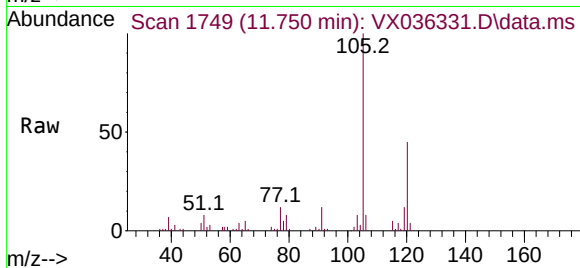
MW-6ADL2

Tgt Ion:105 Resp: 26961

Ion Ratio Lower Upper

105 100

120 46.2 21.2 63.6



#85

sec-Butylbenzene

Concen: 1.980 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX036331.D

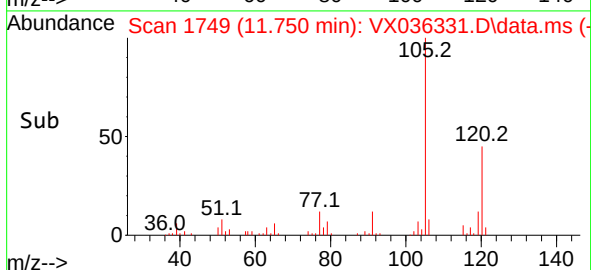
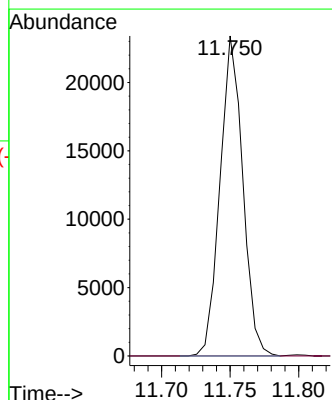
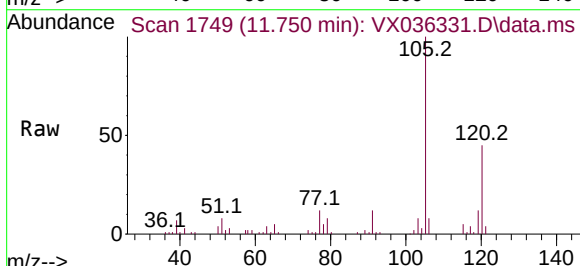
Acq: 26 Jun 2023 16:06

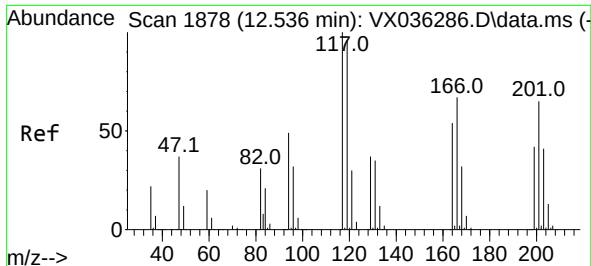
Tgt Ion:105 Resp: 26961

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#

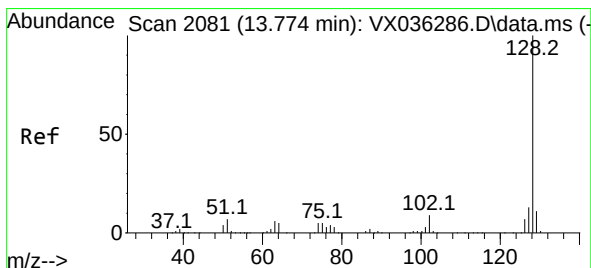
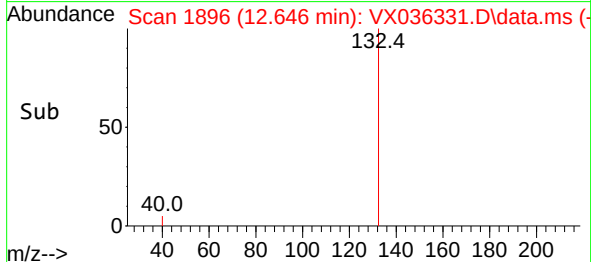
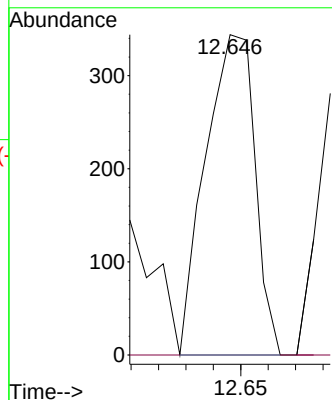
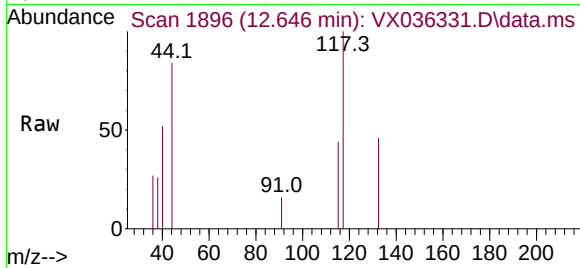




#90
Hexachloroethane
Concen: 0.249 ug/l
RT: 12.646 min Scan# 1878
Delta R.T. 0.110 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Instrument :
MSVOA_X
ClientSampleId :
MW-6ADL2

Tgt Ion:117 Resp: 431
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#



#95
Naphthalene
Concen: 0.986 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036331.D
Acq: 26 Jun 2023 16:06

Tgt Ion:128 Resp: 11829
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 10.7 8.8 13.2

