

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050322\
 Data File : VW022773.D
 Acq On : 03 May 2022 15:37
 Operator : SY/VA
 Sample : N2632-02
 Misc : 7.40g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 04 01:27:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 04 01:21:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	10716	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	5504	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	925	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	6695	30.452	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 121.800%	
7) Chloroethane-d5	2.904	69	3658	25.575	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	= 102.280%	
11) 1,1-Dichloroethene-d2	4.031	63	5806	20.438	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	= 81.760%	
21) 2-Butanone-d5	6.927	46	156	3.732	ug/L	-0.15
Spiked Amount	50.000	Range	20 - 135	Recovery	= 7.460%#	
24) Chloroform-d	7.647	84	4502	14.340	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 57.360%	
26) 1,2-Dichloroethane-d4	8.305	65	4483	26.035	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 104.120%	
32) Benzene-d6	8.275	84	14381	45.331	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 181.320%#	
36) 1,2-Dichloropropane-d6	9.274	67	4423	49.632	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 198.520%#	
41) Toluene-d8	10.323	98	9105	29.710	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 118.840%	
43) trans-1,3-Dichloroprop...	10.579	79	921	22.446	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 89.800%	
47) 2-Hexanone-d5	10.988	63	46	2.704	ug/L	0.07
Spiked Amount	50.000	Range	20 - 135	Recovery	= 5.400%#	
56) 1,1,2,2-Tetrachloroeth...	12.695	84	2821	33.963	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 135.840%#	
66) 1,2-Dichlorobenzene-d4	13.859	152	827	25.576	ug/L	0.01
Spiked Amount	25.000	Range	75 - 120	Recovery	= 102.320%	
Target Compounds			Qvalue			
13) Acetone	4.135	43	340	10.864	ug/L	93
14) Carbon disulfide	4.397	76	667	1.773	ug/L #	74
22) 2-Butanone	7.055	43	188	4.295	ug/L	85
27) 1,2-Dichloroethane	8.342	62	106	0.549	ug/L #	75
33) Benzene	8.336	78	442	1.363	ug/L	100
34) Trichloroethene	8.982	95	48	0.538	ug/L #	5
35) Methylcyclohexane	9.335	83	83	0.567	ug/L #	59
37) 1,2-Dichloropropane	9.396	63	56	0.714	ug/L #	85
38) Bromodichloromethane	9.457	83	48	0.431	ug/L #	26
42) Toluene	10.390	91	1246	3.429	ug/L	94
44) trans-1,3-Dichloropropene	10.622	75	132	1.216	ug/L #	48
45) 1,1,2-Trichloroethane	10.622	97	57	0.869	ug/L #	48
49) Dibromochloromethane	11.091	129	49	0.621	ug/L #	11
50) 1,2-Dibromoethane	11.158	107	70	1.063	ug/L #	5
51) Chlorobenzene	11.658	112	232	0.968	ug/L #	71
52) Ethylbenzene	11.731	91	336	0.831	ug/L #	43
53) m,p-Xylene	11.841	106	131	0.822	ug/L	66
54) o-Xylene	12.164	106	195	1.276	ug/L #	1
60) Isopropylbenzene	12.469	105	219	1.728	ug/L #	70

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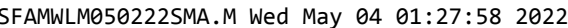
Quant Time: May 04 01:27:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 04 01:21:13 2022
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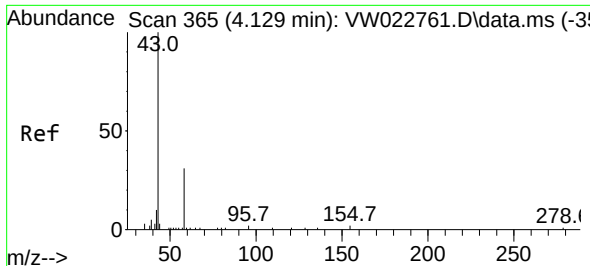
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

61) 1,2,3-Trichloropropane	12.841	75	41	2.218	ug/L #	42
62) 1,3,5-Trimethylbenzene	12.445	105	101	1.433	ug/L	93
63) 1,2,4-Trimethylbenzene	12.445	105	101	0.954	ug/L	90
64) 1,3-Dichlorobenzene	13.493	146	239	4.224	ug/L #	22
67) 1,2-Dichlorobenzene	13.877	146	272	5.254	ug/L #	23
69) 1,3,5-Trichlorobenzene	14.621	180	134	3.568	ug/L #	39
70) 1,2,4-trichlorobenzene	15.133	180	39	1.291	ug/L #	1
71) Naphthalene	15.365	128	441	6.716	ug/L #	77
72) 1,2,3-Trichlorobenzene	15.560	180	76	2.838	ug/L #	74

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

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Quant Title : SFAM01.0
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Response via : Initial Calibration

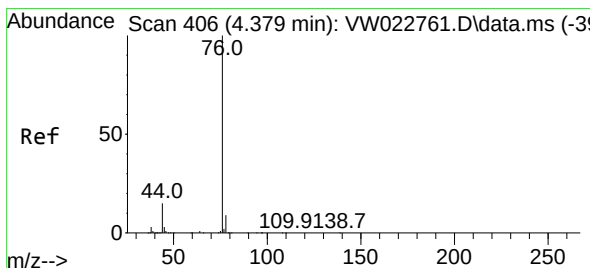
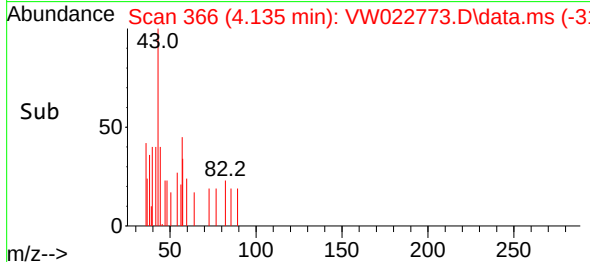
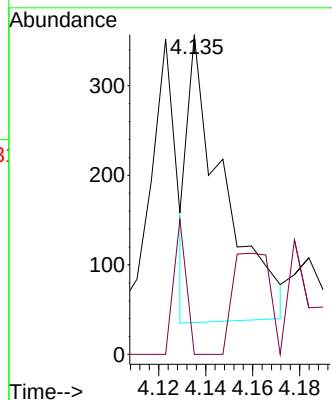
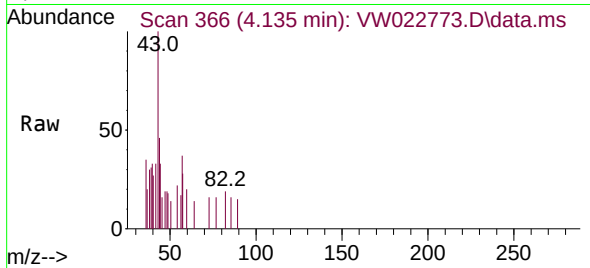




#13
Acetone
Concen: 10.864 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

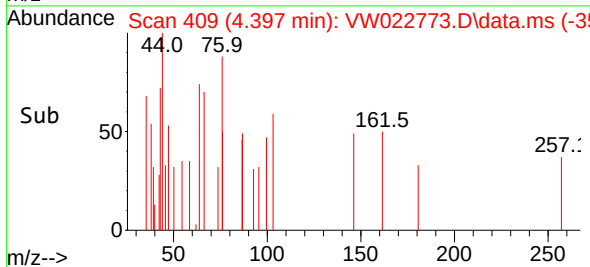
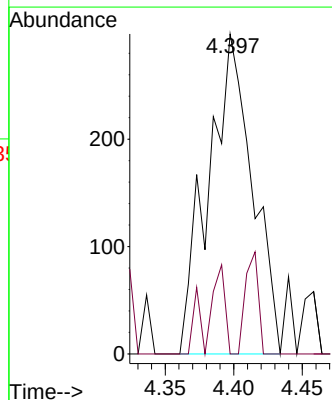
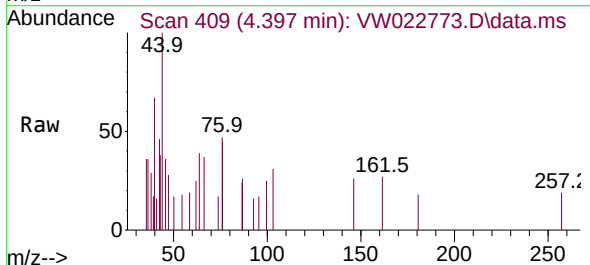
Instrument :
MSVOA_W
ClientSampleId :

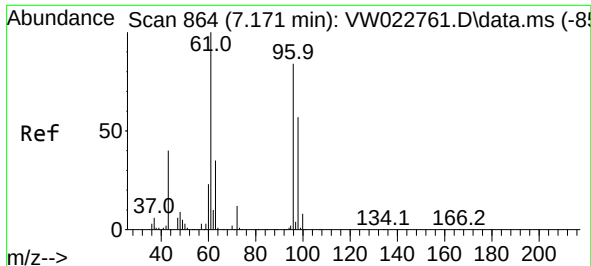
Tgt Ion: 43 Resp: 340
Ion Ratio Lower Upper
43 100
58 36.2 0.0 64.0



#14
Carbon disulfide
Concen: 1.773 ug/L
RT: 4.397 min Scan# 409
Delta R.T. 0.018 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

Tgt Ion: 76 Resp: 667
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

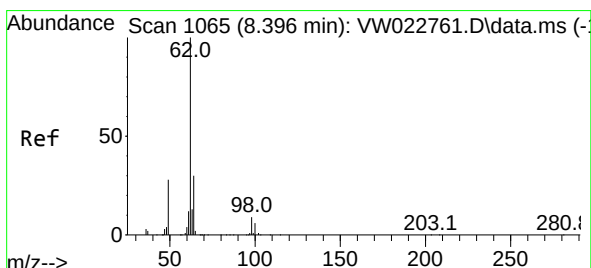
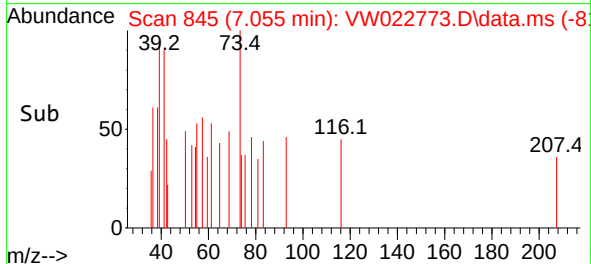
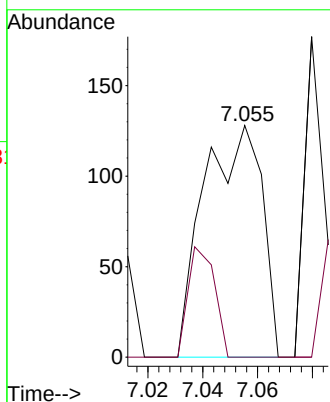
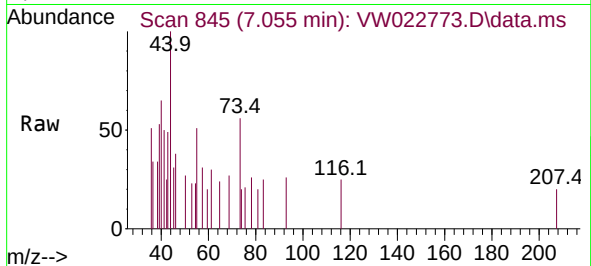




#22
2-Butanone
Concen: 4.295 ug/L
RT: 7.055 min Scan# 84
Delta R.T. -0.116 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

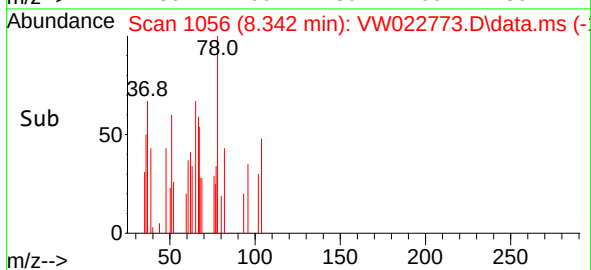
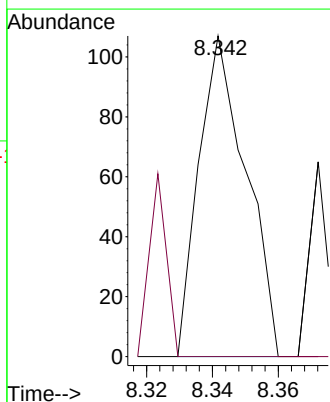
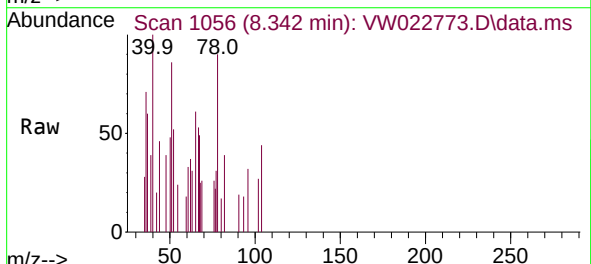
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MSVOA_W
ClientSampleId :

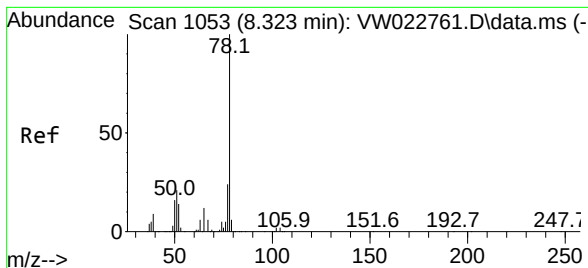
Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
72 21.8 15.1 45.3



#27
1,2-Dichloroethane
Concen: 0.549 ug/L
RT: 8.342 min Scan# 1056
Delta R.T. -0.055 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

Tgt Ion: 62 Resp: 106
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#





#33

Benzene

Concen: 1.363 ug/L

RT: 8.336 min Scan# 1105

Delta R.T. 0.012 min

Lab File: VW022773.D

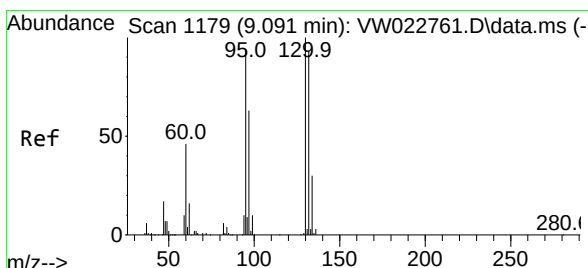
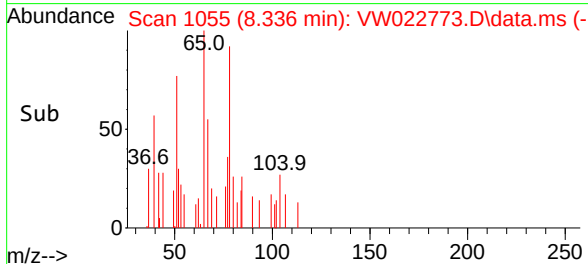
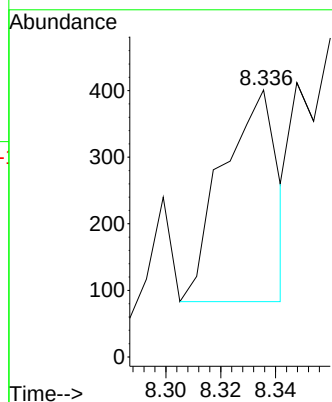
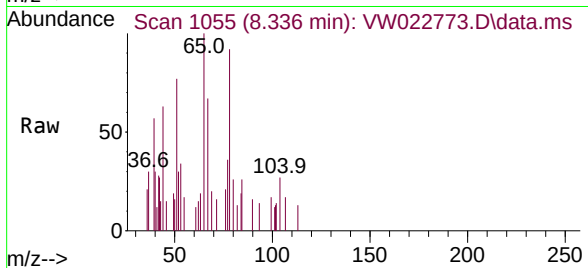
Acq: 03 May 2022 15:37

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 442



#34

Trichloroethene

Concen: 0.538 ug/L

RT: 8.982 min Scan# 1161

Delta R.T. -0.110 min

Lab File: VW022773.D

Acq: 03 May 2022 15:37

Tgt Ion: 95 Resp: 48

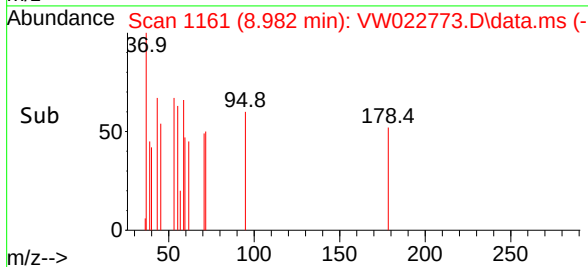
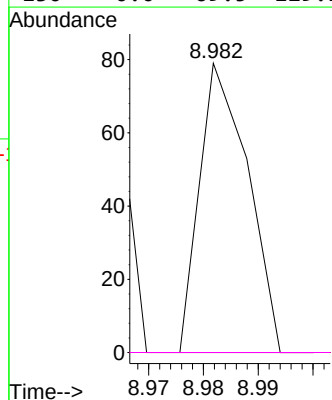
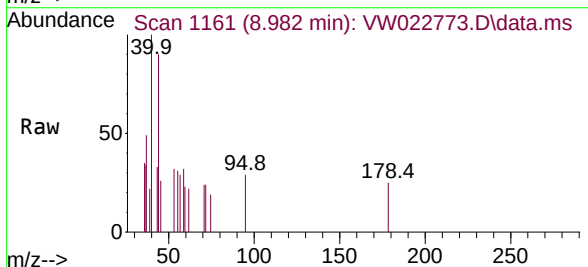
Ion Ratio Lower Upper

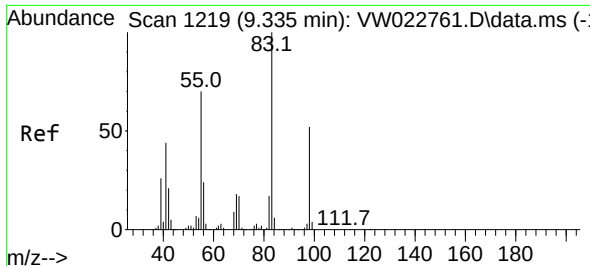
95 100

97 0.0 46.1 85.7#

132 0.0 66.9 124.3#

130 0.0 69.5 129.1#





#35

Methylcyclohexane

Concen: 0.567 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW022773.D

Acq: 03 May 2022 15:37

Instrument :

MSVOA_W

ClientSampleId :

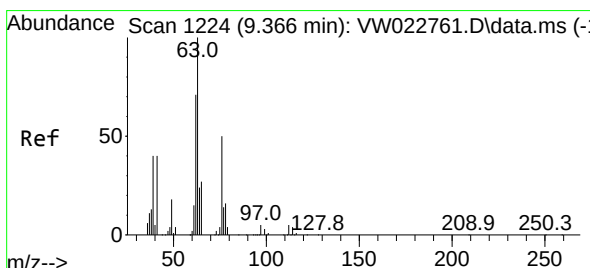
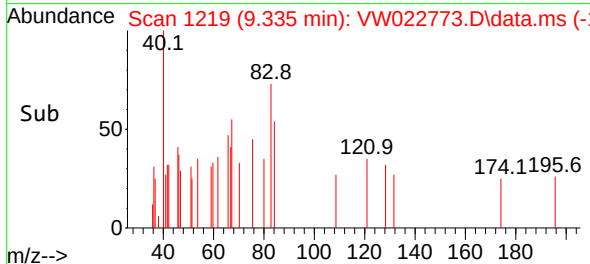
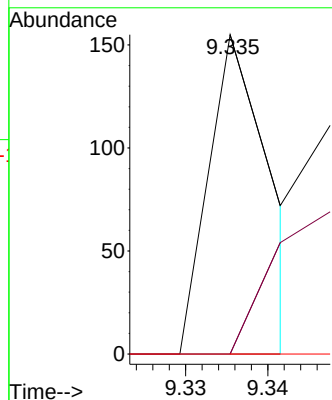
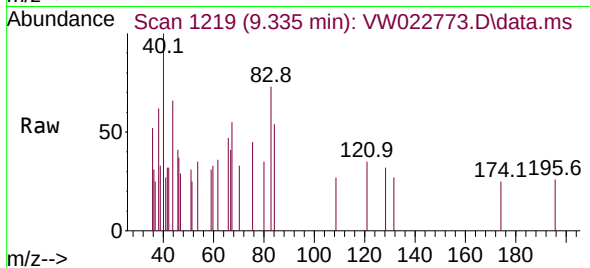
Tgt Ion: 83 Resp: 83

Ion Ratio Lower Upper

83 100

55 54.2 55.1 82.7#

98 0.0 40.4 60.6#



#37

1,2-Dichloropropane

Concen: 0.714 ug/L

RT: 9.396 min Scan# 1229

Delta R.T. 0.031 min

Lab File: VW022773.D

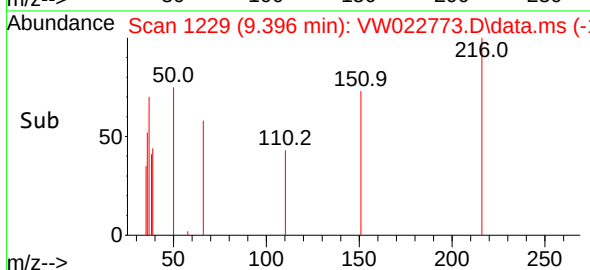
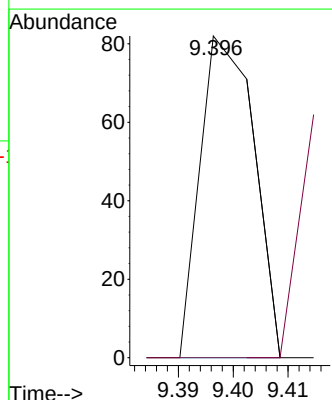
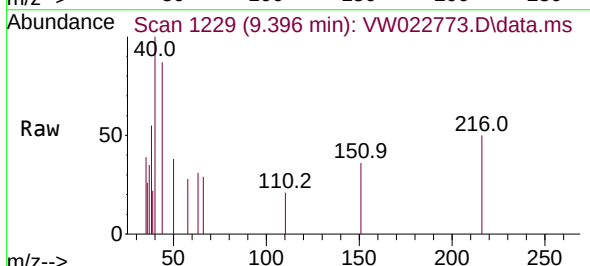
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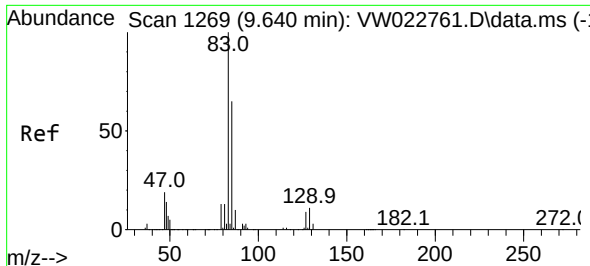
Tgt Ion: 63 Resp: 56

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#

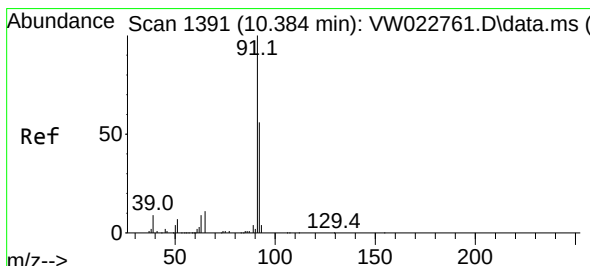
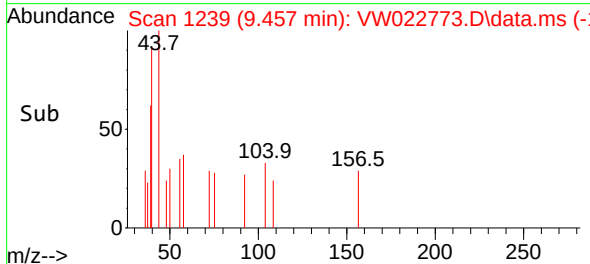
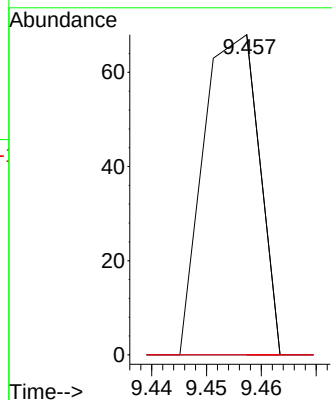
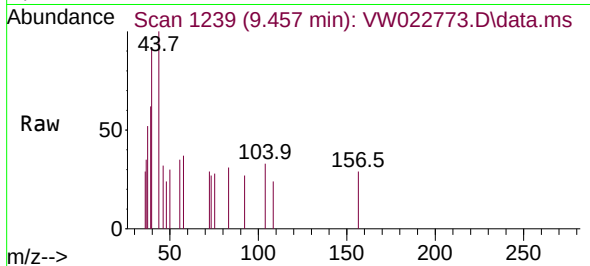




#38
Bromodichloromethane
Concen: 0.431 ug/L
RT: 9.457 min Scan# 1239
Delta R.T. -0.183 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

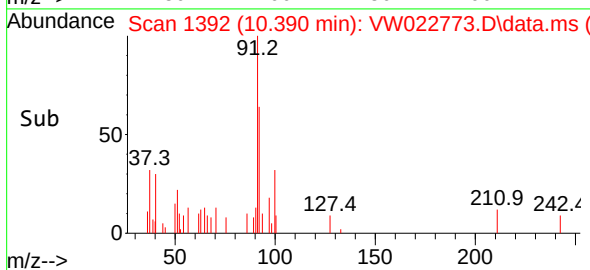
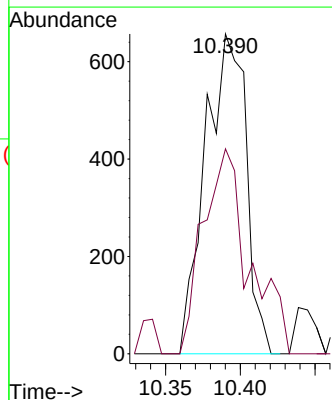
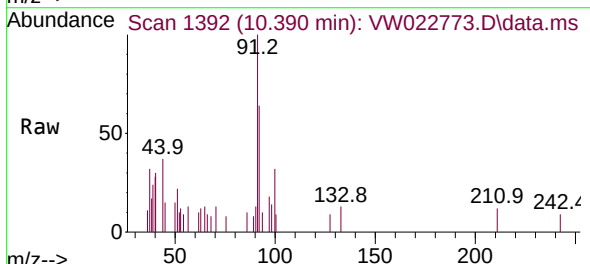
Instrument :
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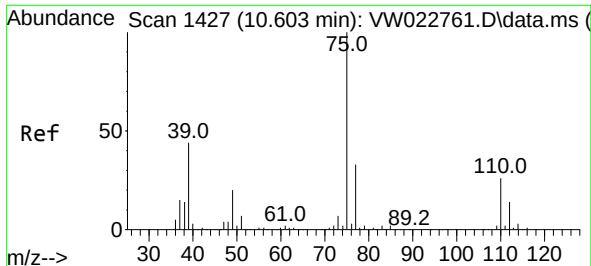
Tgt Ion: 83 Resp: 48
Ion Ratio Lower Upper
83 100
85 0.0 43.5 80.7#
127 0.0 7.1 10.7#



#42
Toluene
Concen: 3.429 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

Tgt Ion: 91 Resp: 1246
Ion Ratio Lower Upper
91 100
92 64.1 41.6 77.2

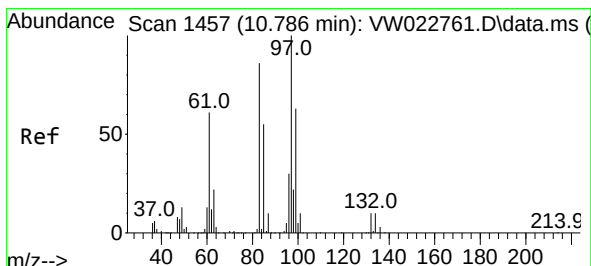
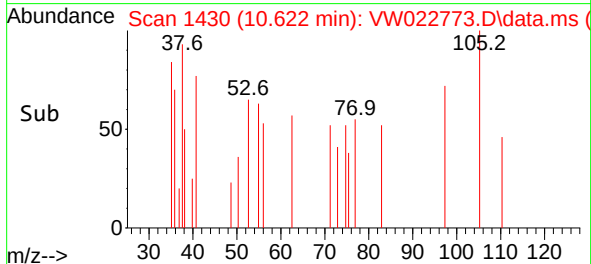
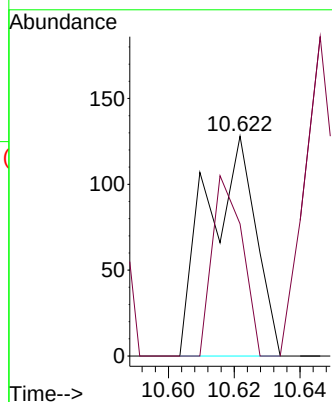
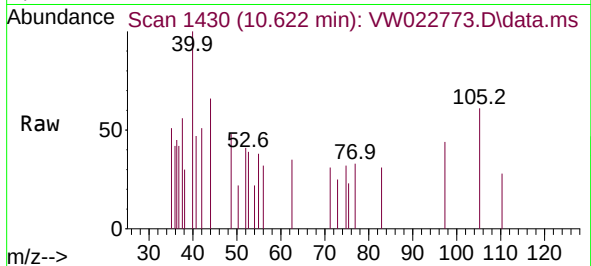




#44
trans-1,3-Dichloropropene
Concen: 1.216 ug/L
RT: 10.622 min Scan# 1427
Delta R.T. 0.018 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

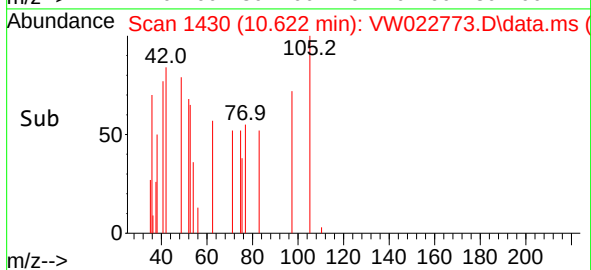
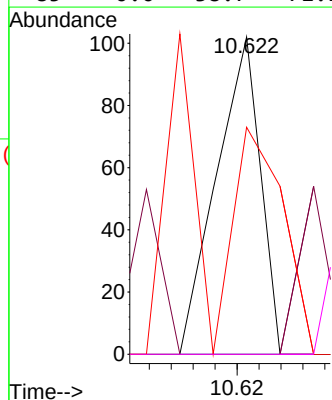
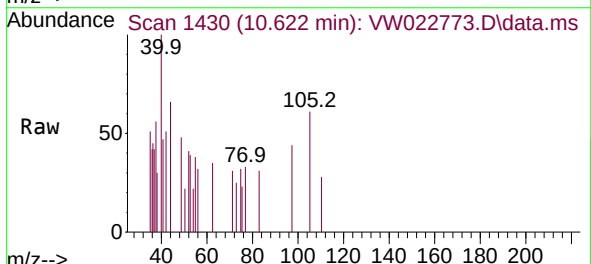
Instrument :
MSVOA_W
ClientSampleId :

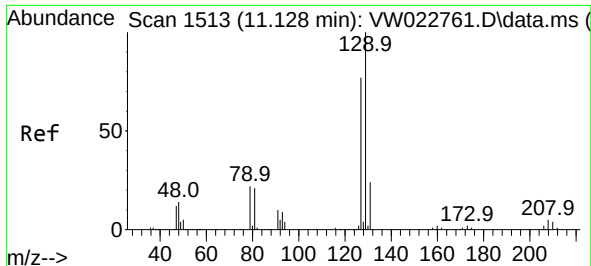
Tgt Ion: 75 Resp: 132
Ion Ratio Lower Upper
75 100
77 60.2 22.0 40.8#



#45
1,1,2-Trichloroethane
Concen: 0.869 ug/L
RT: 10.622 min Scan# 1430
Delta R.T. -0.164 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

Tgt Ion: 97 Resp: 57
Ion Ratio Lower Upper
97 100
99 0.0 44.7 82.9#
83 71.6 58.4 108.4
85 0.0 38.7 71.9#





#49

Dibromochloromethane

Concen: 0.621 ug/L

RT: 11.091 min Scan# 11

Delta R.T. -0.036 min

Lab File: VW022773.D

Acq: 03 May 2022 15:37

Instrument :

MSVOA_W

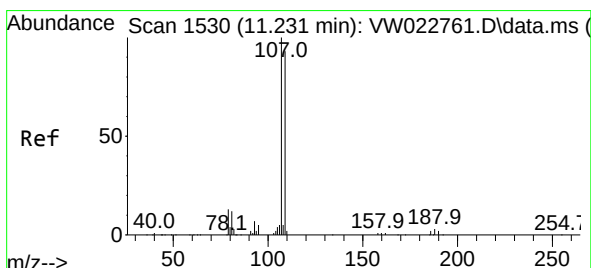
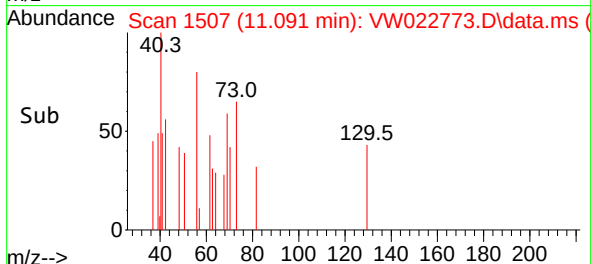
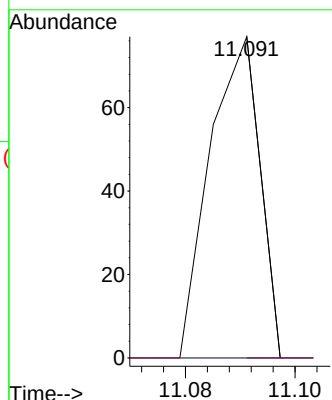
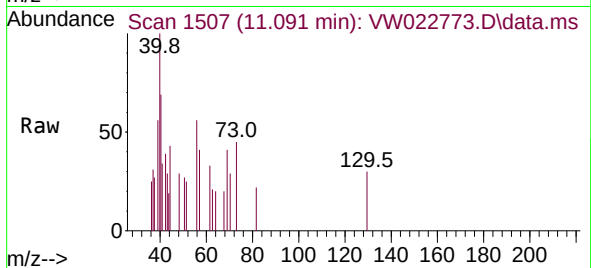
ClientSampleId :

Tgt Ion:129 Resp: 49

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#50

1,2-Dibromoethane

Concen: 1.063 ug/L

RT: 11.158 min Scan# 1518

Delta R.T. -0.073 min

Lab File: VW022773.D

Acq: 03 May 2022 15:37

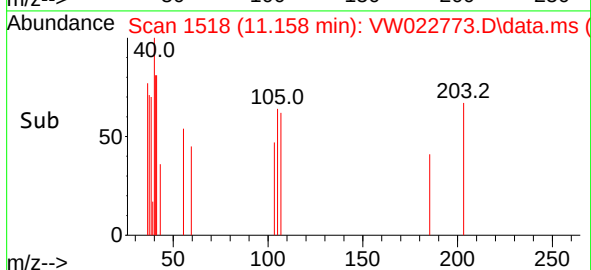
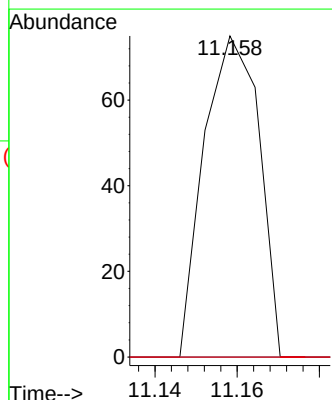
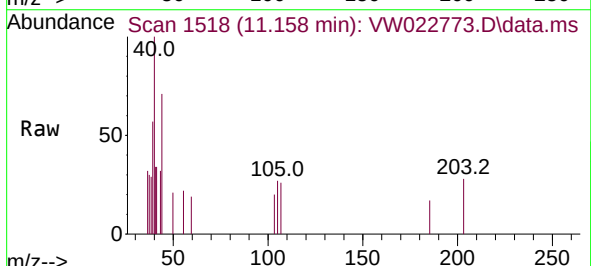
Tgt Ion:107 Resp: 70

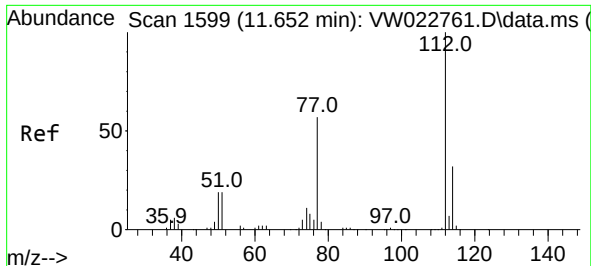
Ion Ratio Lower Upper

107 100

109 0.0 67.5 125.4#

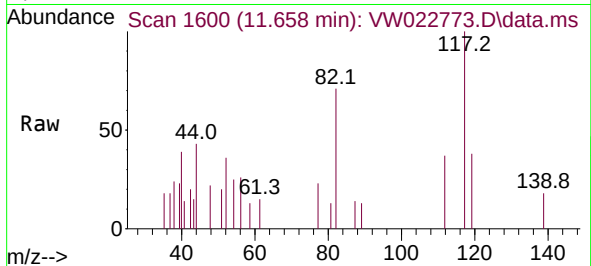
188 0.0 2.9 4.3#



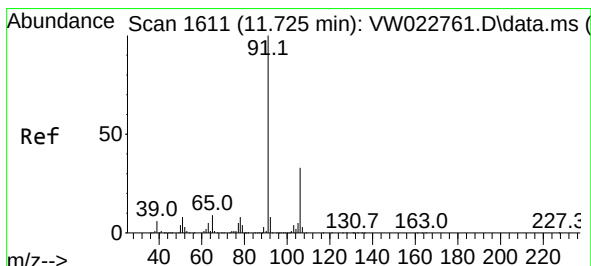
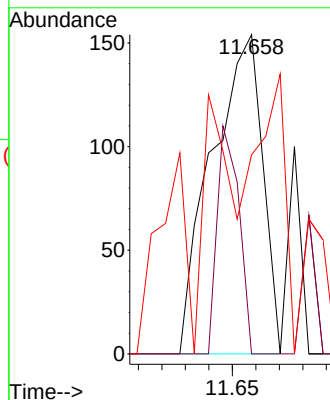
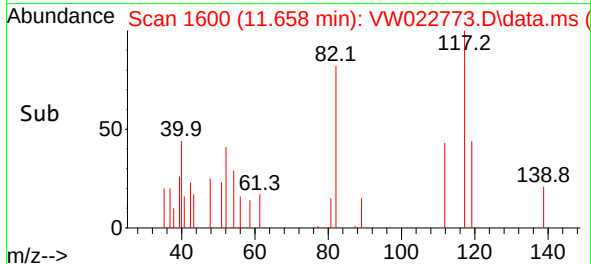


#51
Chlorobenzene
Concen: 0.968 ug/L
RT: 11.658 min Scan# 1161
Delta R.T. 0.006 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

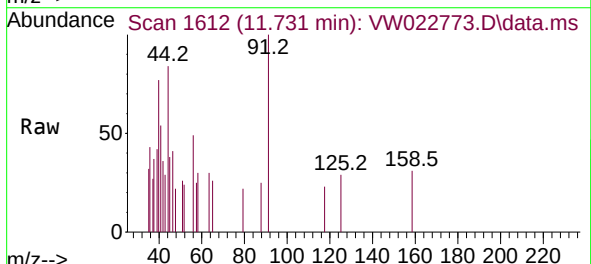
Instrument :
MSVOA_W
ClientSampleId :



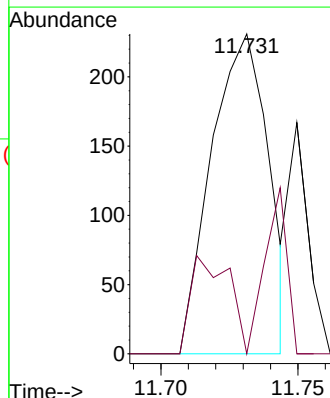
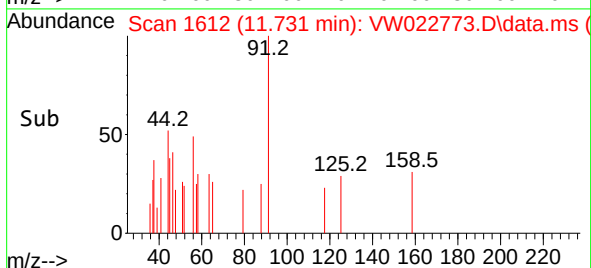
Tgt Ion:112 Resp: 232
Ion Ratio Lower Upper
112 100
114 0.0 22.0 41.0#
77 62.3 42.6 63.8

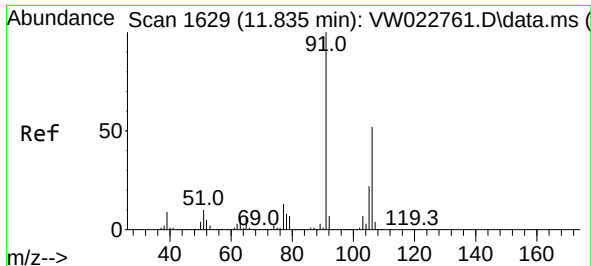


#52
Ethylbenzene
Concen: 0.831 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37



Tgt Ion: 91 Resp: 336
Ion Ratio Lower Upper
91 100
106 0.0 22.3 41.3#

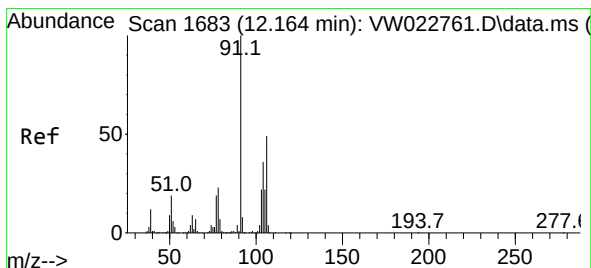
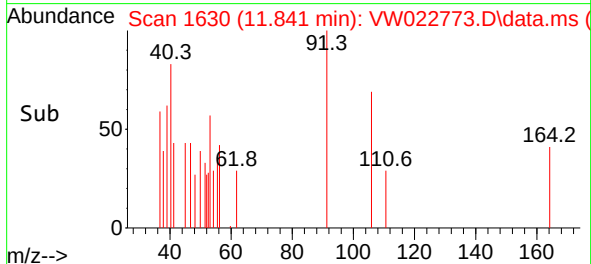
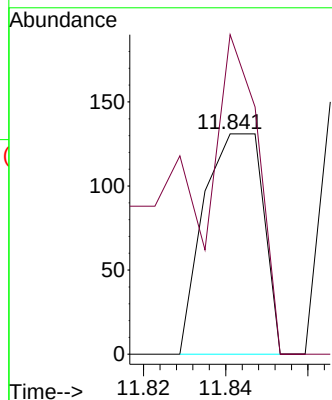
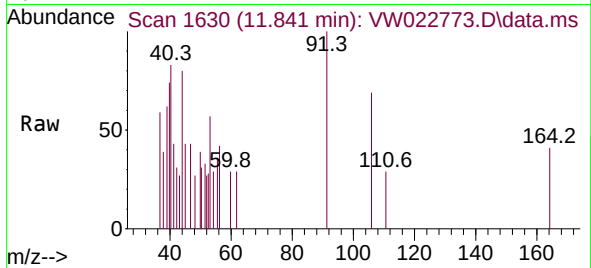




#53
m,p-Xylene
Concen: 0.822 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

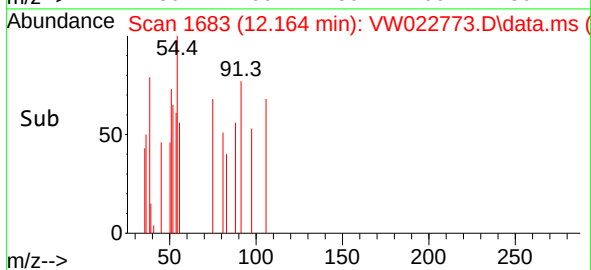
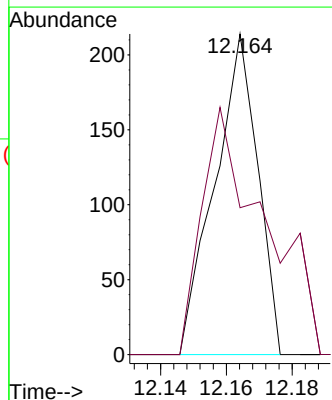
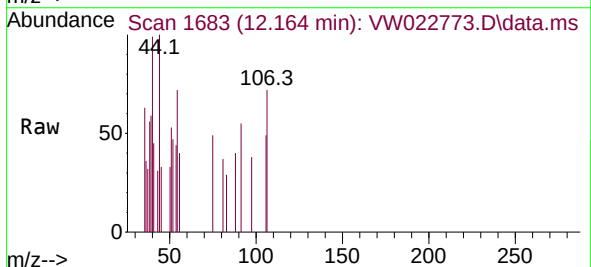
Instrument :
MSVOA_W
ClientSampleId :

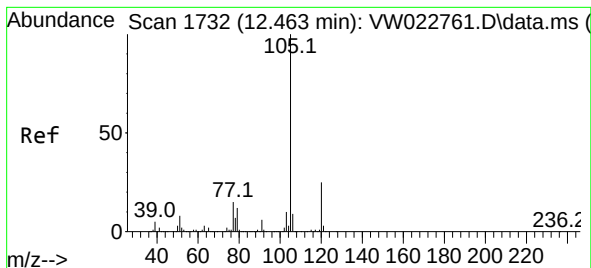
Tgt Ion:106 Resp: 131
Ion Ratio Lower Upper
106 100
91 145.0 136.8 254.0



#54
o-Xylene
Concen: 1.276 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

Tgt Ion:106 Resp: 195
Ion Ratio Lower Upper
106 100
91 45.8 147.2 273.4#





#60

Isopropylbenzene

Concen: 1.728 ug/L

RT: 12.469 min Scan# 1

Delta R.T. 0.006 min

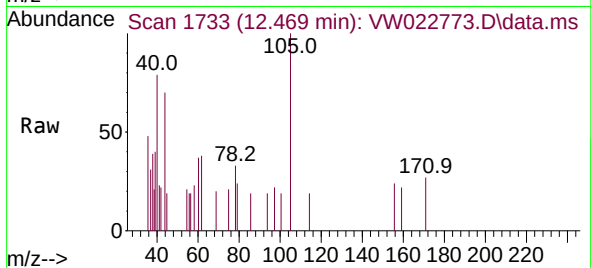
Lab File: VW022773.D

Acq: 03 May 2022 15:37

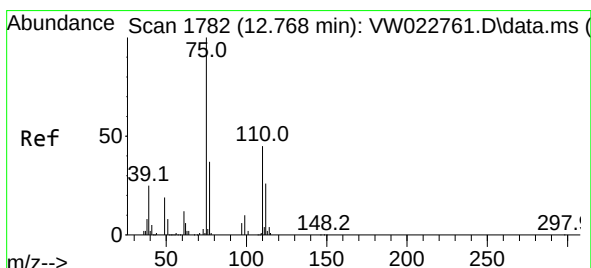
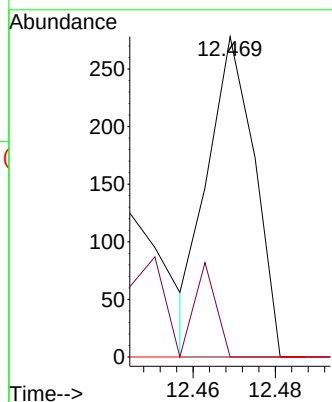
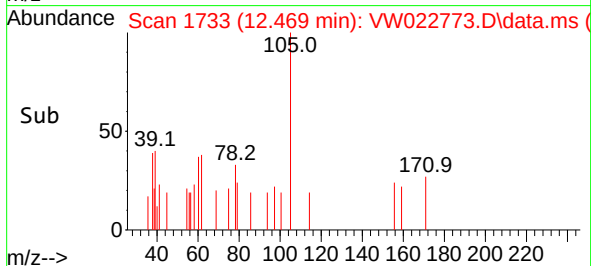
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	105	Resp:	219
Ion	Ratio	Lower	Upper
105	100		
120	13.7	21.3	31.9#
77	0.0	12.6	19.0#



#61

1,2,3-Trichloropropane

Concen: 2.218 ug/L

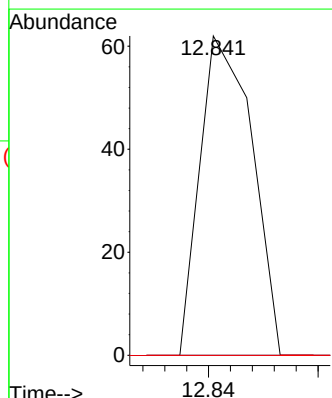
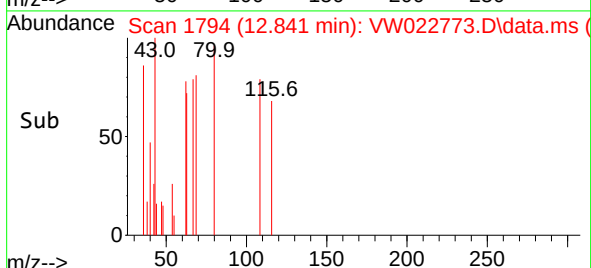
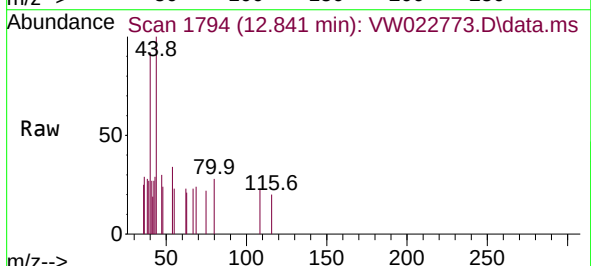
RT: 12.841 min Scan# 1794

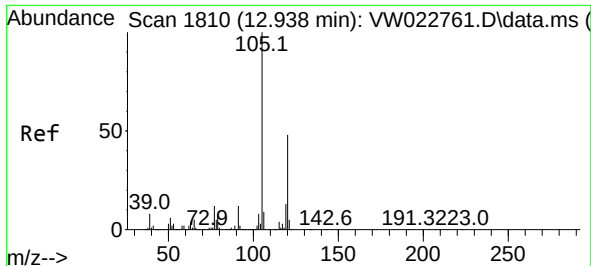
Delta R.T. 0.073 min

Lab File: VW022773.D

Acq: 03 May 2022 15:37

Tgt Ion:	75	Resp:	41
Ion	Ratio	Lower	Upper
75	100		
77	58.5	26.2	39.2#
110	0.0	34.1	51.1#





#62

1,3,5-Trimethylbenzene

Concen: 1.433 ug/L

RT: 12.445 min Scan# 1

Delta R.T. -0.494 min

Lab File: VW022773.D

Acq: 03 May 2022 15:37

Instrument :

MSVOA_W

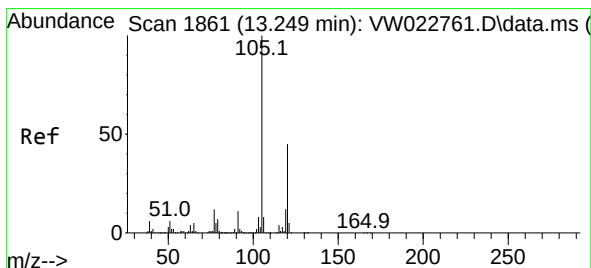
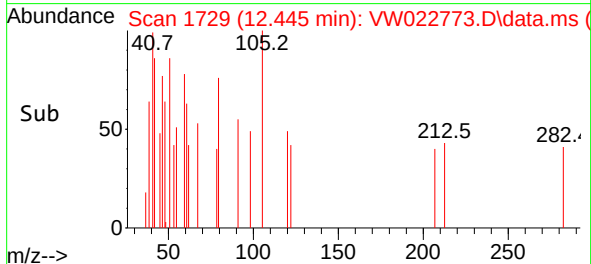
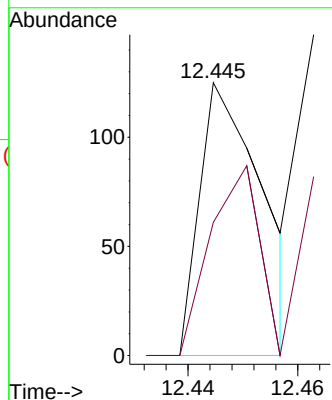
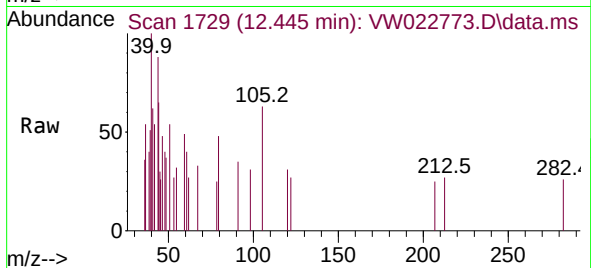
ClientSampleId :

Tgt Ion:105 Resp: 101

Ion Ratio Lower Upper

105 100

120 53.5 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 0.954 ug/L

RT: 12.445 min Scan# 1729

Delta R.T. -0.805 min

Lab File: VW022773.D

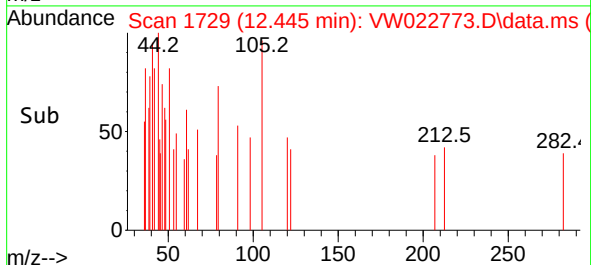
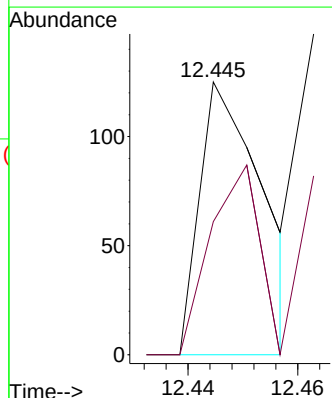
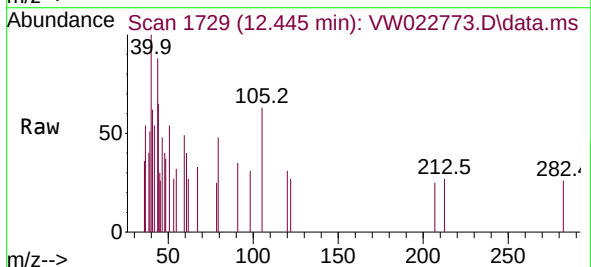
Acq: 03 May 2022 15:37

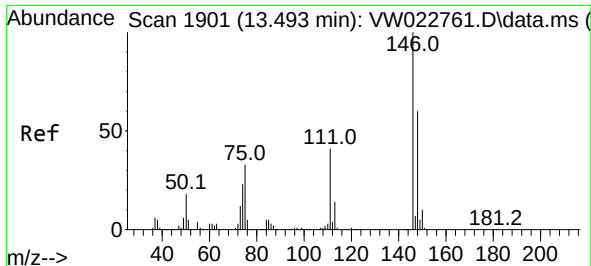
Tgt Ion:105 Resp: 101

Ion Ratio Lower Upper

105 100

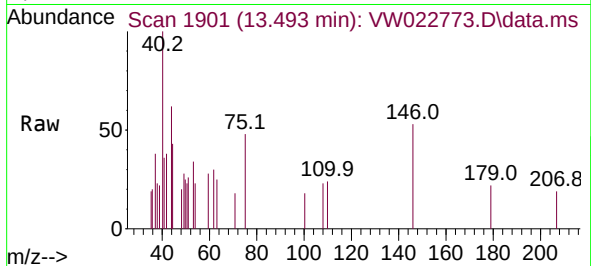
120 53.5 37.4 56.2



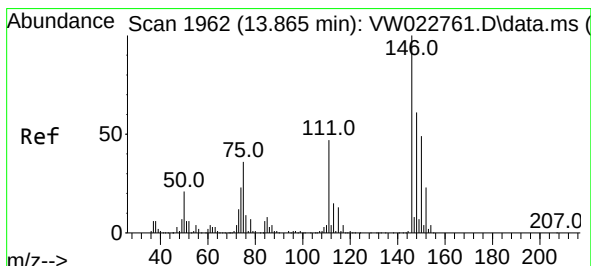
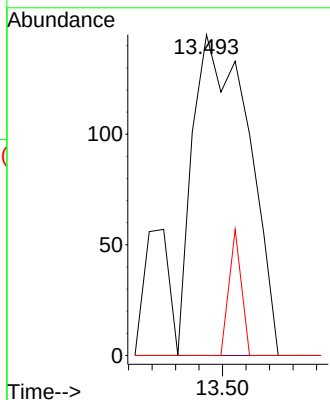
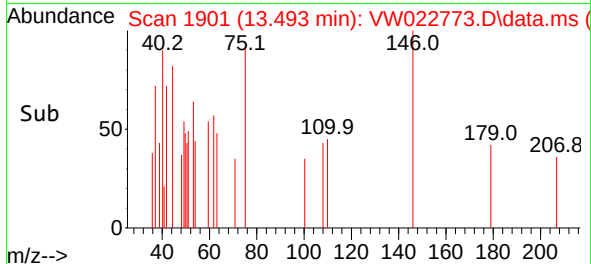


#64
1,3-Dichlorobenzene
Concen: 4.224 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37

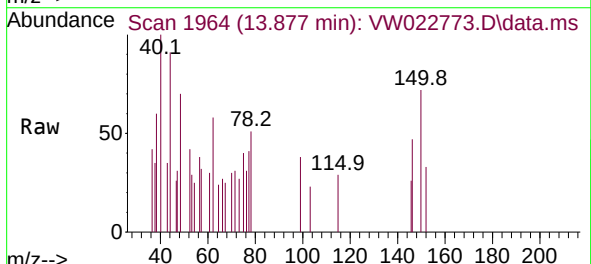
Instrument :
MSVOA_W
ClientSampleId :



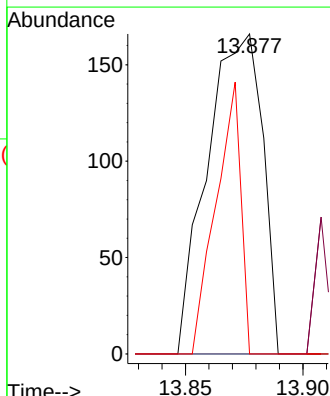
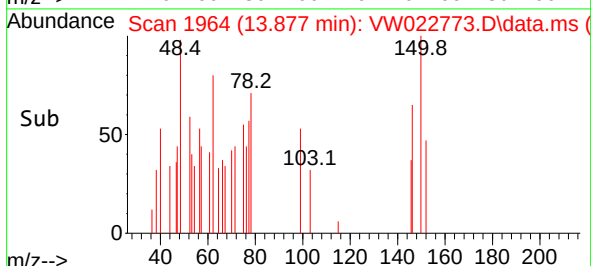
Tgt Ion:146 Resp: 239
Ion Ratio Lower Upper
146 100
111 0.0 29.5 54.9#
148 0.0 48.6 90.2#

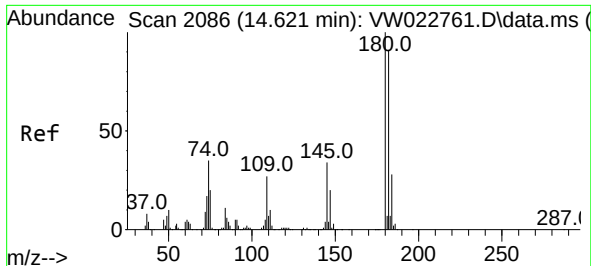


#67
1,2-Dichlorobenzene
Concen: 5.254 ug/L
RT: 13.877 min Scan# 1964
Delta R.T. 0.012 min
Lab File: VW022773.D
Acq: 03 May 2022 15:37



Tgt Ion:146 Resp: 272
Ion Ratio Lower Upper
146 100
111 0.0 35.7 53.5#
148 0.0 52.6 79.0#





#69

1,3,5-Trichlorobenzene

Concen: 3.568 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. 0.000 min

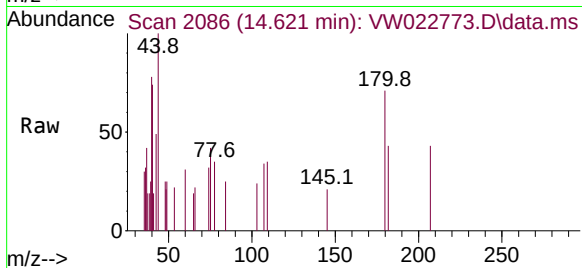
Lab File: VW022773.D

Acq: 03 May 2022 15:37

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 134

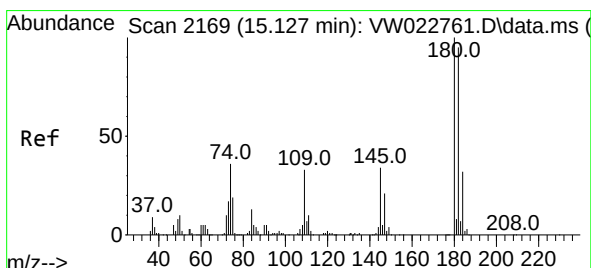
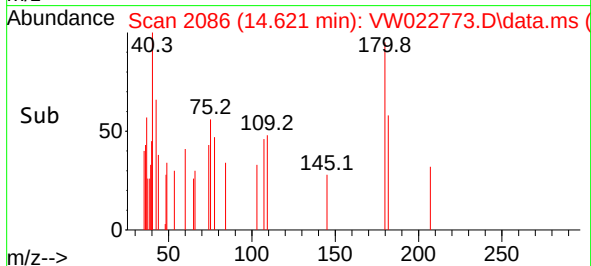
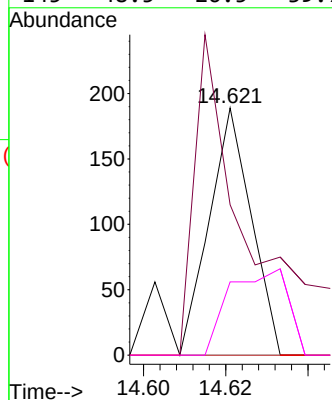
Ion Ratio Lower Upper

180 100

182 166.4 74.8 112.2#

184 0.0 23.4 35.2#

145 48.5 26.5 39.7#



#70

1,2,4-trichlorobenzene

Concen: 1.291 ug/L

RT: 15.133 min Scan# 2170

Delta R.T. 0.006 min

Lab File: VW022773.D

Acq: 03 May 2022 15:37

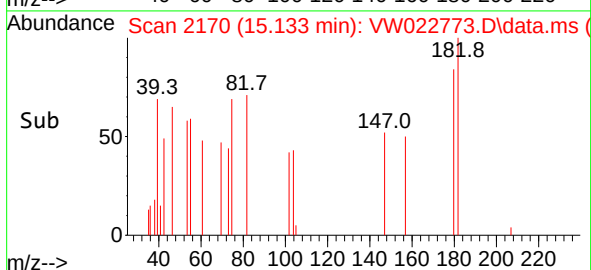
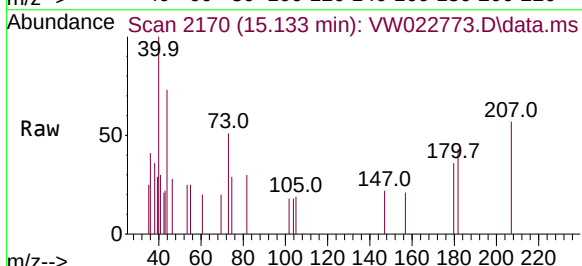
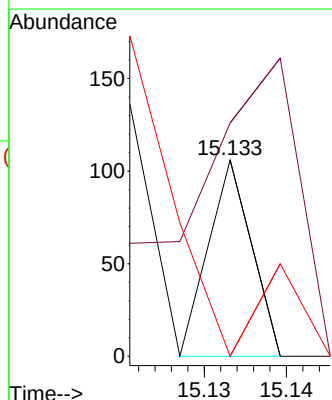
Tgt Ion:180 Resp: 39

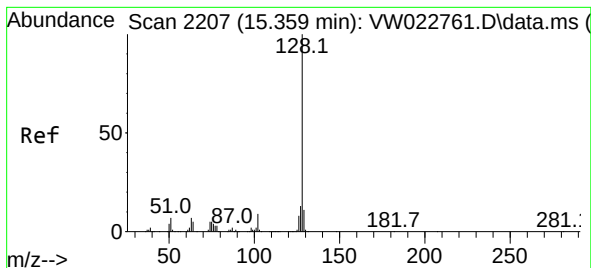
Ion Ratio Lower Upper

180 100

182 384.6 74.9 112.3#

145 0.0 26.6 39.8#





#71

Naphthalene

Concen: 6.716 ug/L

RT: 15.365 min Scan# 2207

Delta R.T. 0.006 min

Lab File: VW022773.D

Acq: 03 May 2022 15:37

Instrument :

MSVOA_W

ClientSampleId :

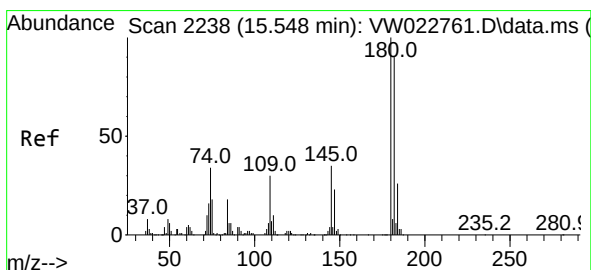
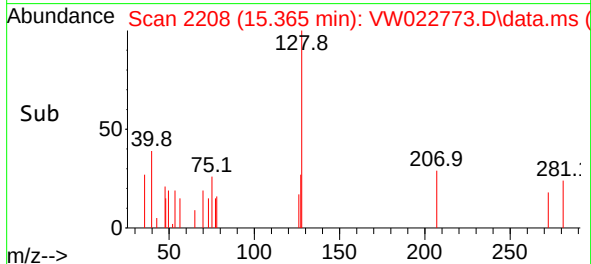
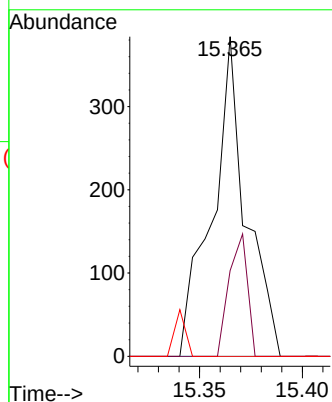
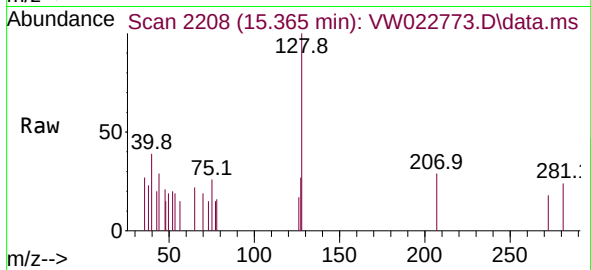
Tgt Ion:128 Resp: 441

Ion Ratio Lower Upper

128 100

127 20.9 10.6 16.0#

129 0.0 8.7 13.1#



#72

1,2,3-Trichlorobenzene

Concen: 2.838 ug/L

RT: 15.560 min Scan# 2240

Delta R.T. 0.012 min

Lab File: VW022773.D

Acq: 03 May 2022 15:37

Tgt Ion:180 Resp: 76

Ion Ratio Lower Upper

180 100

182 103.9 73.5 110.3

145 0.0 27.9 41.9#

