

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072222\
 Data File : VW023992.D
 Acq On : 22 Jul 2022 09:02
 Operator : SY/VA
 Sample : N3709-07RE
 Misc : 7.95g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 22 23:10:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 22 23:08:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	232038	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	187380	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.511	152	427	25.000	ug/L	-0.04
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	119498	20.164	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.640%
7) Chloroethane-d5	2.873	69	83641	21.155	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.640%
11) 1,1-Dichloroethene-d2	4.007	63	75819	15.711	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.840%
21) 2-Butanone-d5	6.994	46	202	0.220	ug/L	-0.08
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.440%#
24) Chloroform-d	7.641	84	104583	15.481	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	61.920%
26) 1,2-Dichloroethane-d4	8.299	65	97043	23.487	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.960%
32) Benzene-d6	8.268	84	276723	28.409	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.640%
36) 1,2-Dichloropropane-d6	9.274	67	87435	29.800	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.200%
41) Toluene-d8	10.323	98	226089	22.883	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.520%
43) trans-1,3-Dichloroprop...	10.573	79	10054	7.310	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	29.240%#
47) 2-Hexanone-d5	10.920	63	29199	47.326	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.660%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	57578	17.757	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	71.040%
66) 1,2-Dichlorobenzene-d4	13.853	152	50931	3341.272	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	13365.080%#
Target Compounds						
					Qvalue	
13) Acetone	4.117	43	22599	34.772	ug/L	98
14) Carbon disulfide	4.373	76	32874	4.543	ug/L	98
22) 2-Butanone	7.177	43	7652	7.164	ug/L	94
33) Benzene	8.323	78	42583	3.999	ug/L	100
35) Methylcyclohexane	9.329	83	6274	1.465	ug/L	95
42) Toluene	10.384	91	14583	1.201	ug/L	94
48) 2-Hexanone	10.933	43	16230	12.000	ug/L #	41
51) Chlorobenzene	11.652	112	728823	88.987	ug/L	98
52) Ethylbenzene	11.731	91	9070	0.657	ug/L	89
53) m,p-Xylene	11.835	106	49052	9.110	ug/L	96
54) o-Xylene	12.164	106	10278	1.988	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.682	83	6670	2.095	ug/L	94
60) Isopropylbenzene	12.463	105	349668	6096.138	ug/L	99
61) 1,2,3-Trichloropropane	12.798	75	4582	489.380	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.944	105	16911	360.114	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	109573	2333.793	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	4535	174.135	ug/L #	35
65) 1,4-Dichlorobenzene	13.572	146	2214949	79942.747	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	21322	868.115	ug/L #	74

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072222\
 Data File : VW023992.D
 Acq On : 22 Jul 2022 09:02
 Operator : SY/VA
 Sample : N3709-07RE
 Misc : 7.95g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 22 23:10:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 22 23:08:43 2022
 Response via : Initial Calibration

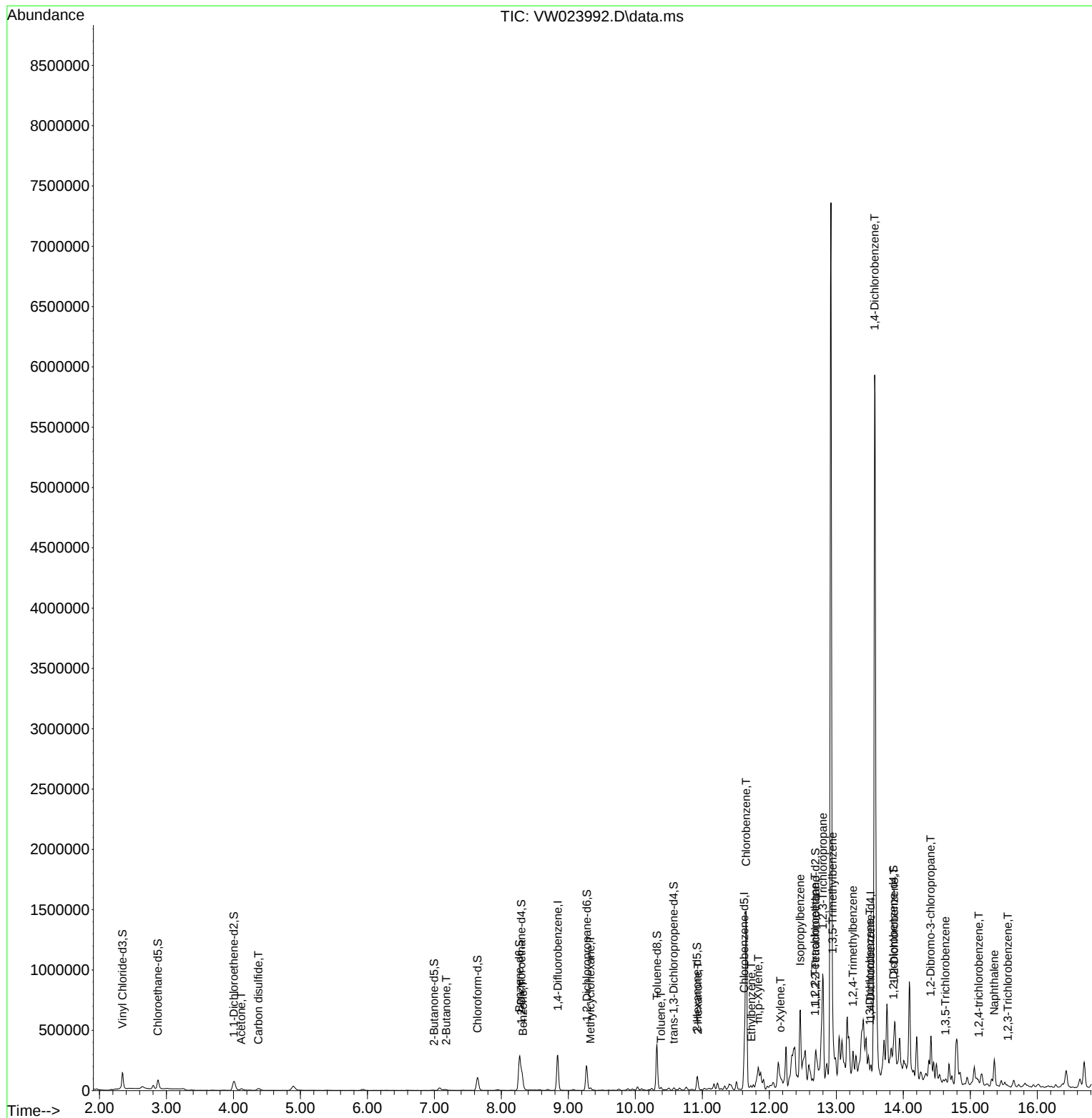
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.408	75	2898	1341.979	ug/L #	17
69) 1,3,5-Trichlorobenzene	14.627	180	916	53.139	ug/L #	50
70) 1,2,4-trichlorobenzene	15.127	180	2856	214.566	ug/L #	1
71) Naphthalene	15.359	128	189536	6638.221	ug/L	99
72) 1,2,3-Trichlorobenzene	15.560	180	654	52.714	ug/L #	1

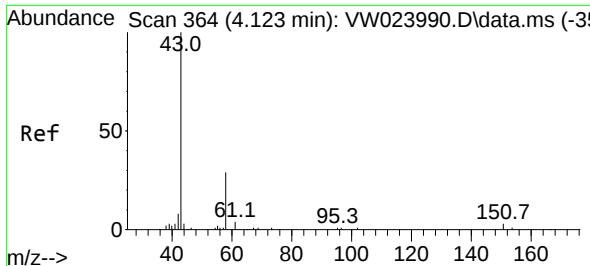
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072222\
Data File : VW023992.D
Acq On : 22 Jul 2022 09:02
Operator : SY/VA
Sample : N3709-07RE
Misc : 7.95g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 22 23:10:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jul 22 23:08:43 2022
Response via : Initial Calibration

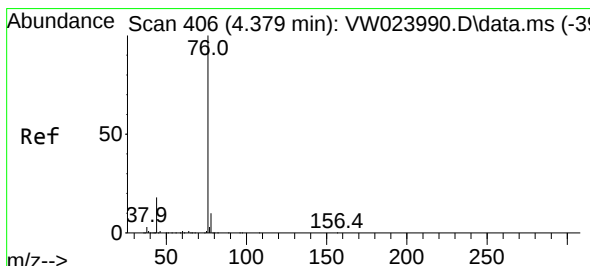
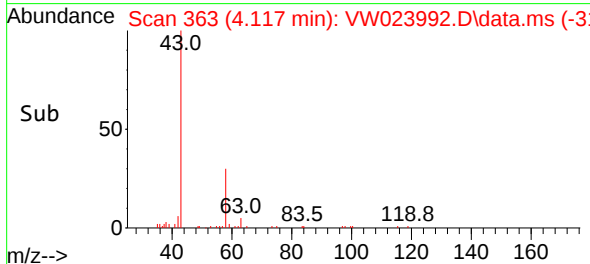
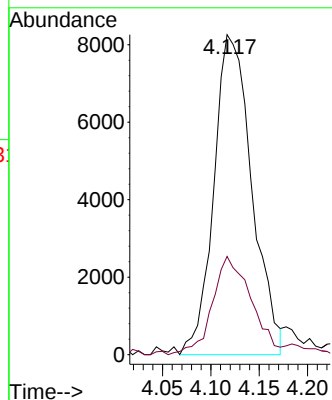
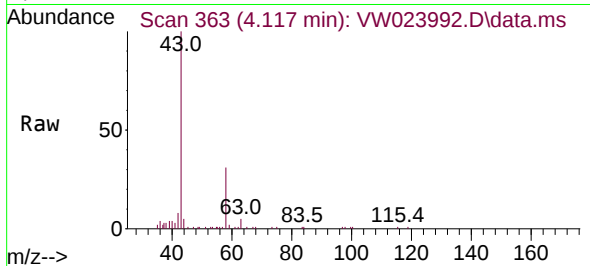




#13
Acetone
Concen: 34.772 ug/L
RT: 4.117 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

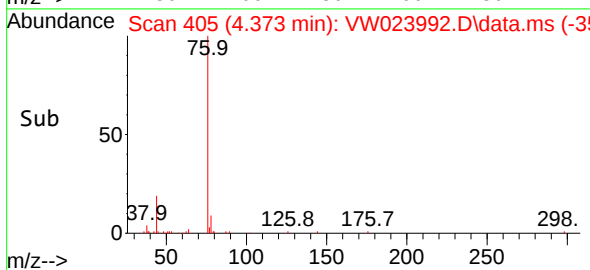
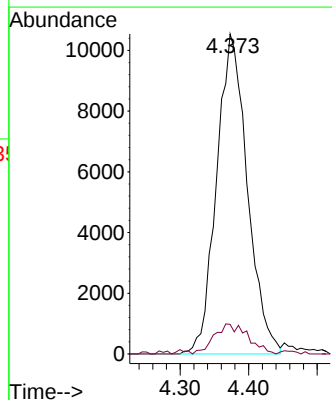
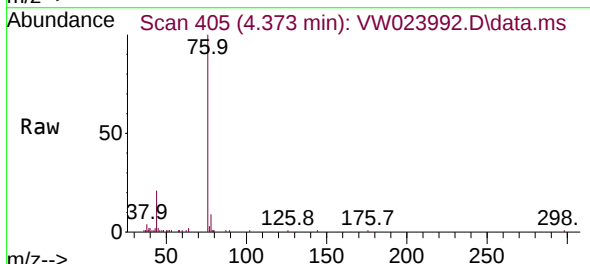
Instrument :
MSVOA_W
ClientSampleId :

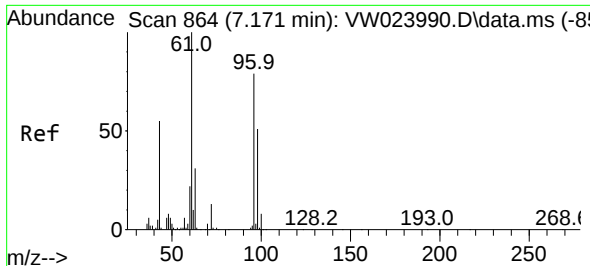
Tgt Ion: 43 Resp: 22599
Ion Ratio Lower Upper
43 100
58 31.2 0.0 64.2



#14
Carbon disulfide
Concen: 4.543 ug/L
RT: 4.373 min Scan# 405
Delta R.T. -0.006 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

Tgt Ion: 76 Resp: 32874
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8

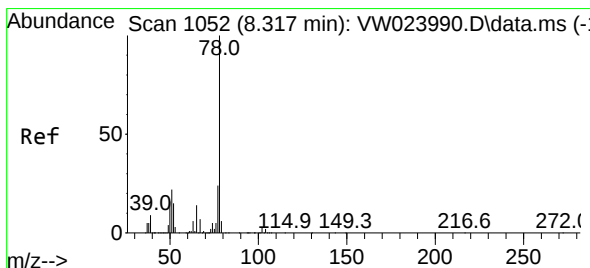
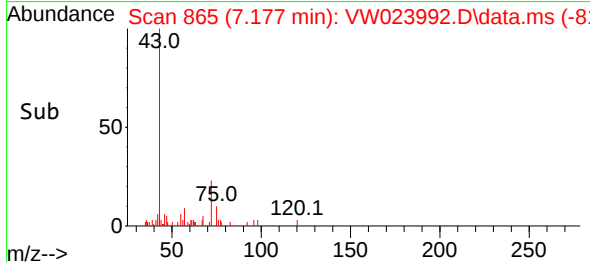
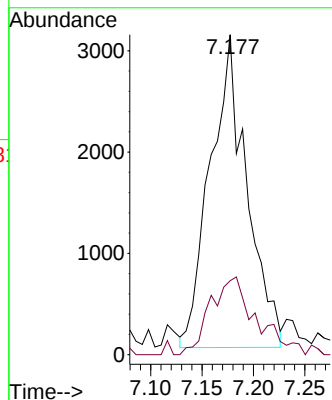
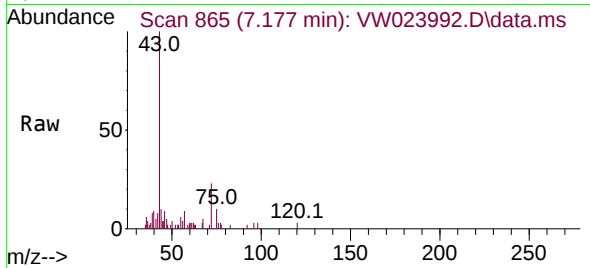




#22
2-Butanone
Concen: 7.164 ug/L
RT: 7.177 min Scan# 80
Delta R.T. 0.006 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

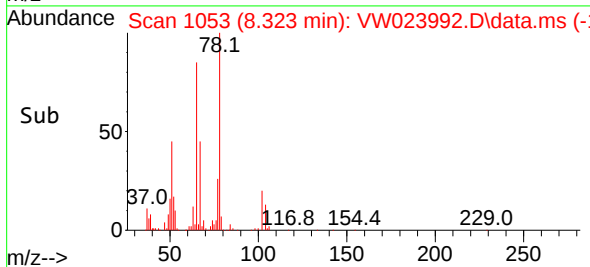
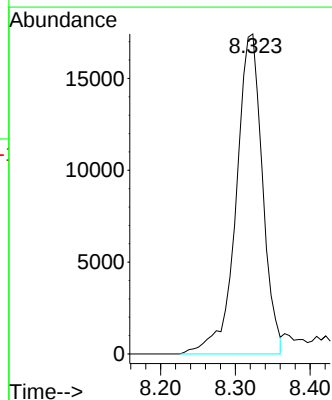
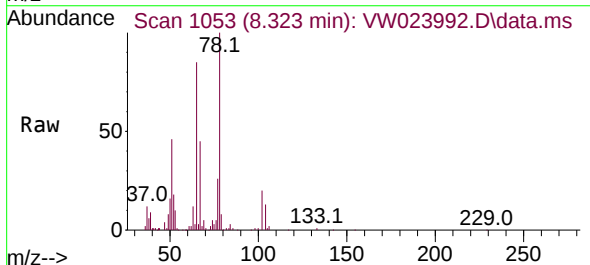
Instrument :
MSVOA_W
ClientSampleId :

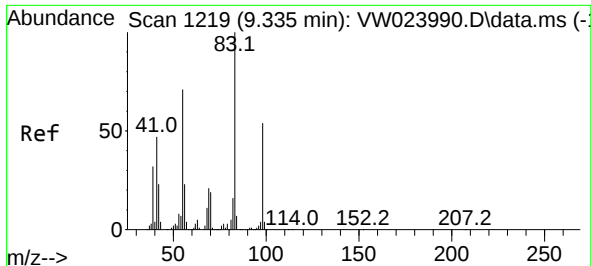
Tgt Ion: 43 Resp: 7652
Ion Ratio Lower Upper
43 100
72 26.0 14.7 44.1



#33
Benzene
Concen: 3.999 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

Tgt Ion: 78 Resp: 42583





#35

Methylcyclohexane

Concen: 1.465 ug/L

RT: 9.329 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VW023992.D

Acq: 22 Jul 2022 09:02

Instrument :

MSVOA_W

ClientSampleId :

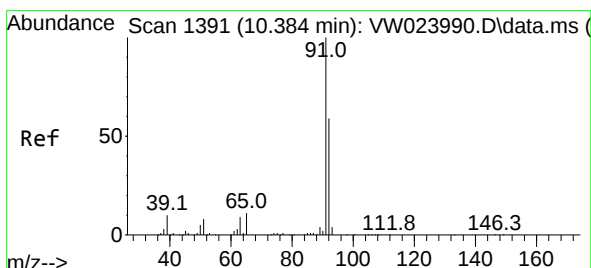
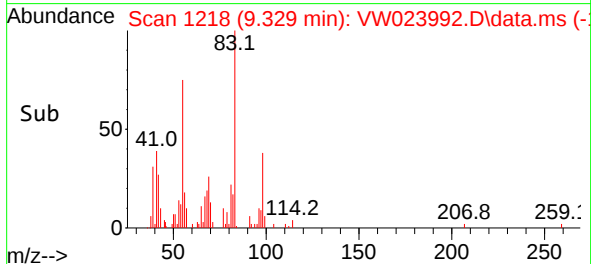
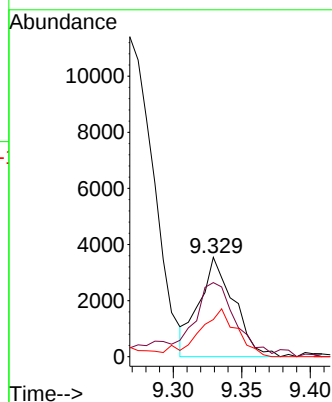
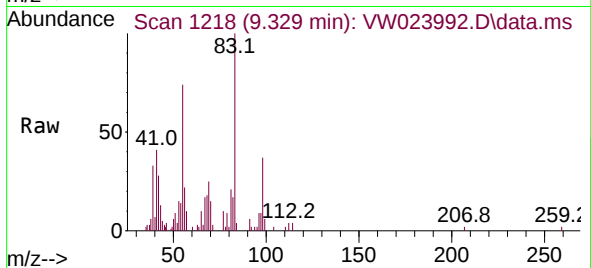
Tgt Ion: 83 Resp: 6274

Ion Ratio Lower Upper

83 100

55 82.4 60.8 91.2

98 48.1 39.5 59.3



#42

Toluene

Concen: 1.201 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW023992.D

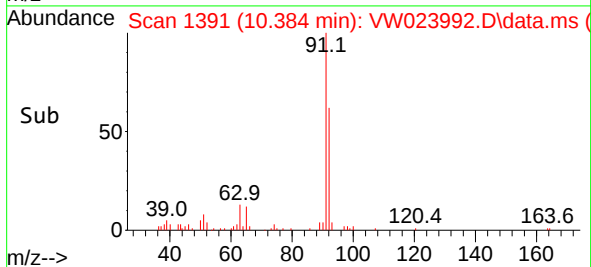
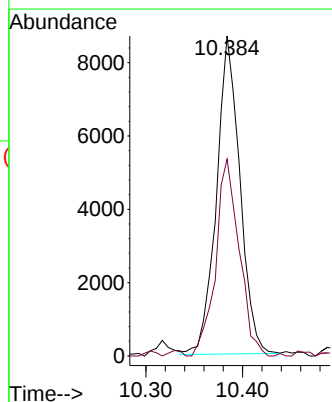
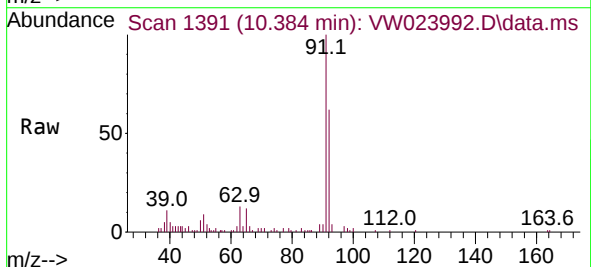
Acq: 22 Jul 2022 09:02

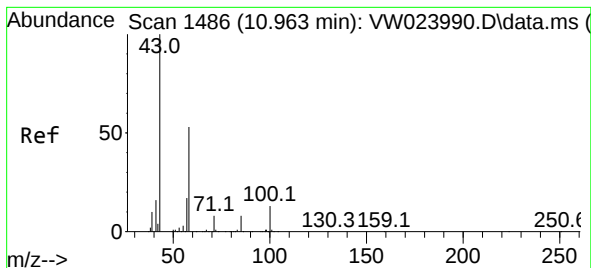
Tgt Ion: 91 Resp: 14583

Ion Ratio Lower Upper

91 100

92 61.5 39.9 74.1





#48

2-Hexanone

Concen: 12.000 ug/L

RT: 10.933 min Scan# 1486

Delta R.T. -0.031 min

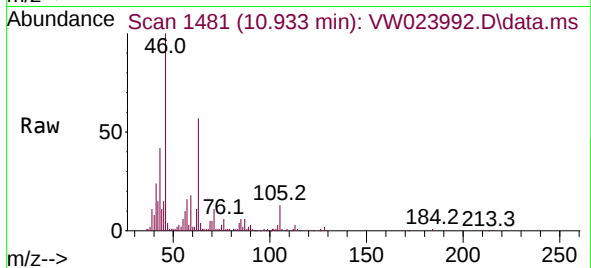
Lab File: VW023992.D

Acq: 22 Jul 2022 09:02

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 16230

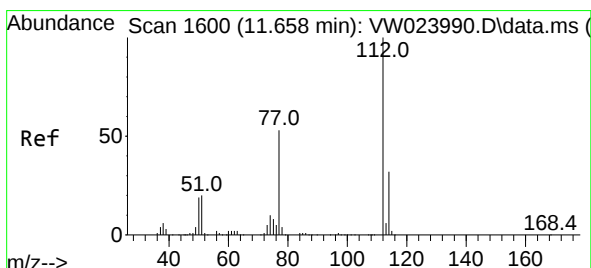
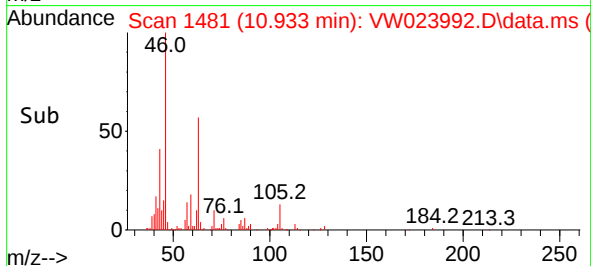
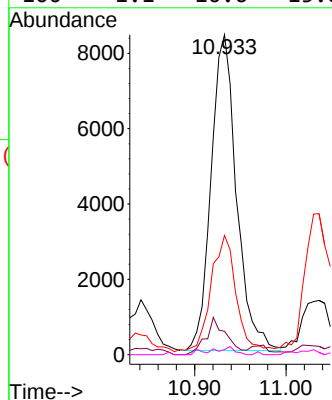
Ion Ratio Lower Upper

43 100

58 1.5 41.6 62.4#

57 36.3 14.6 21.8#

100 1.1 10.6 15.8#



#51

Chlorobenzene

Concen: 88.987 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW023992.D

Acq: 22 Jul 2022 09:02

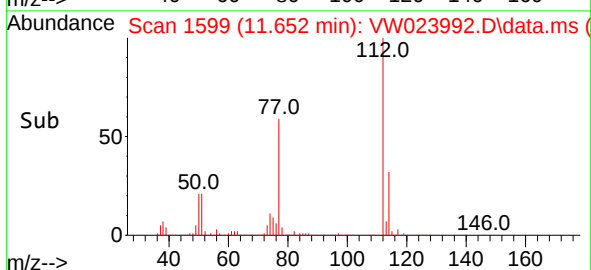
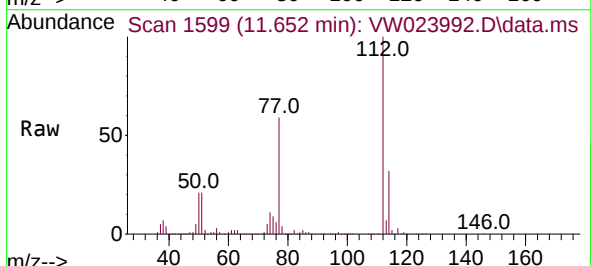
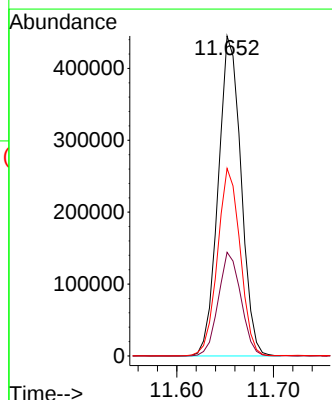
Tgt Ion: 112 Resp: 728823

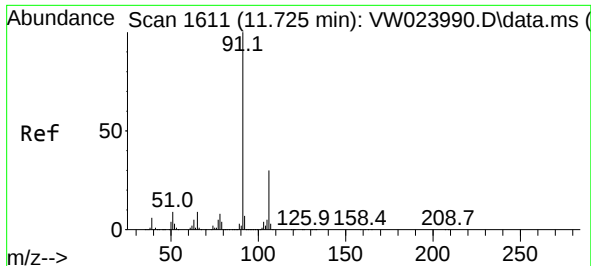
Ion Ratio Lower Upper

112 100

114 32.4 21.1 39.3

77 58.6 46.6 69.8

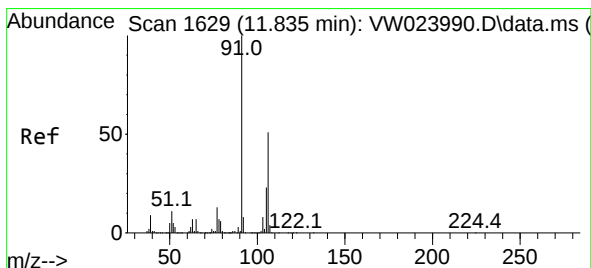
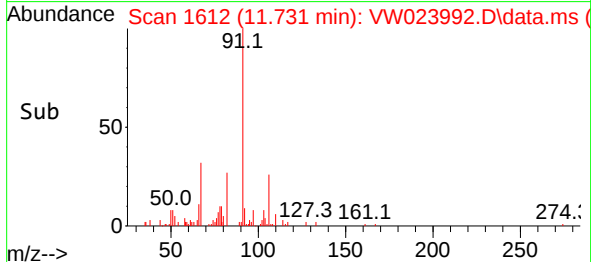
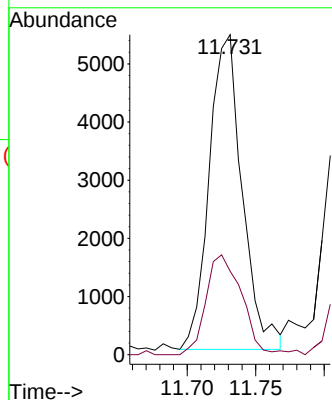
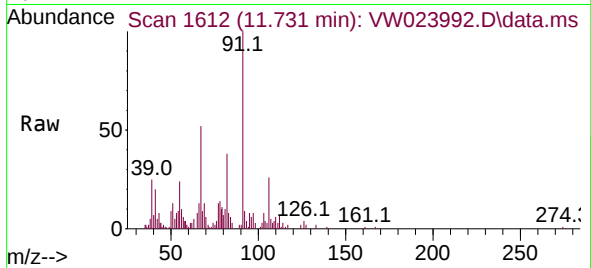




#52
Ethylbenzene
Concen: 0.657 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

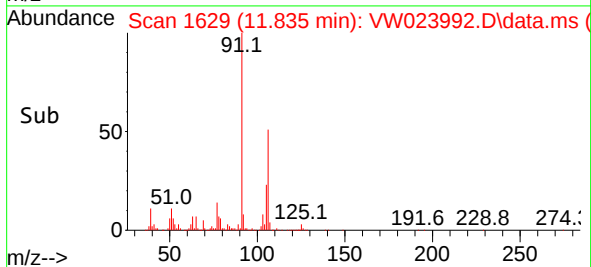
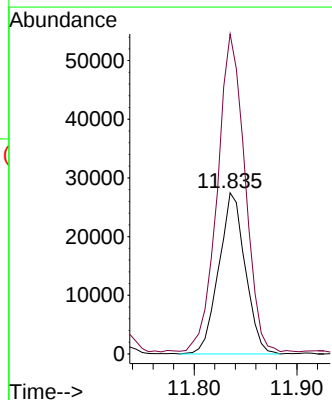
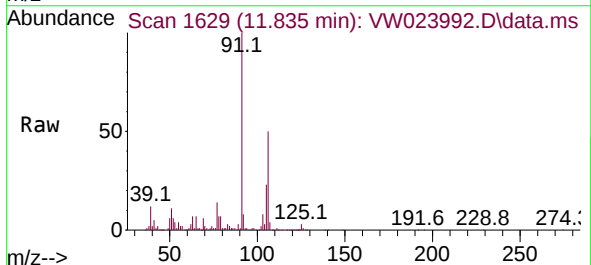
Instrument :
MSVOA_W
ClientSampleId :

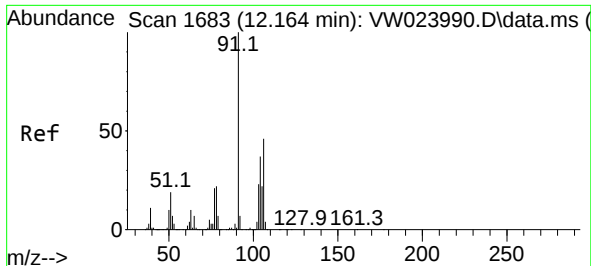
Tgt Ion: 91 Resp: 9070
Ion Ratio Lower Upper
91 100
106 26.1 22.5 41.9



#53
m,p-Xylene
Concen: 9.110 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

Tgt Ion:106 Resp: 49052
Ion Ratio Lower Upper
106 100
91 198.6 142.8 265.2

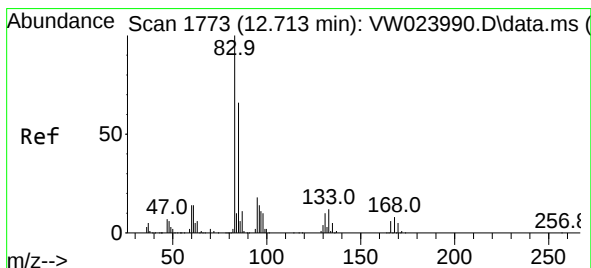
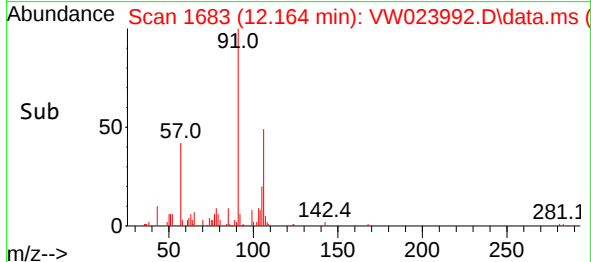
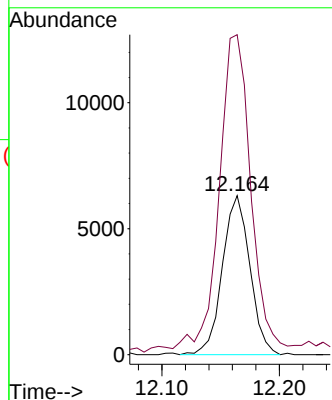
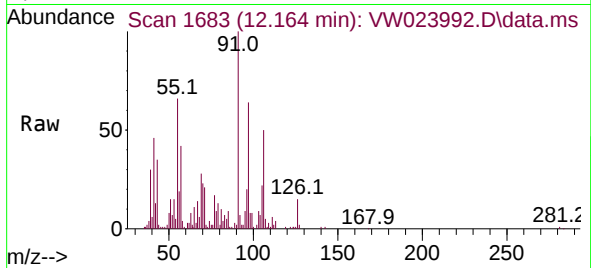




#54
o-Xylene
Concen: 1.988 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

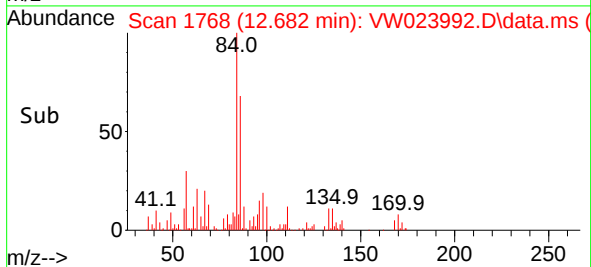
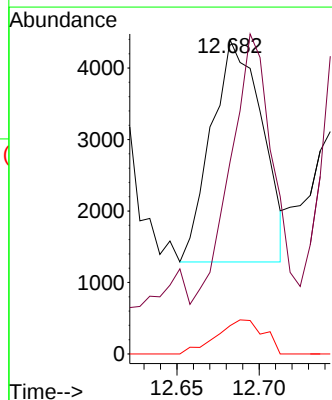
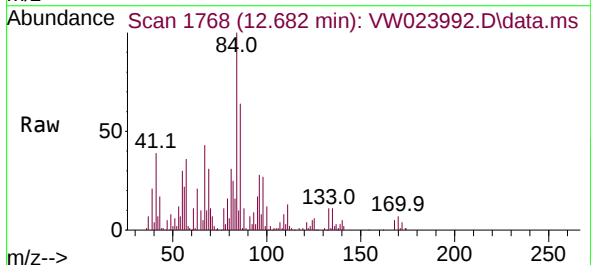
Instrument :
MSVOA_W
ClientSampleId :

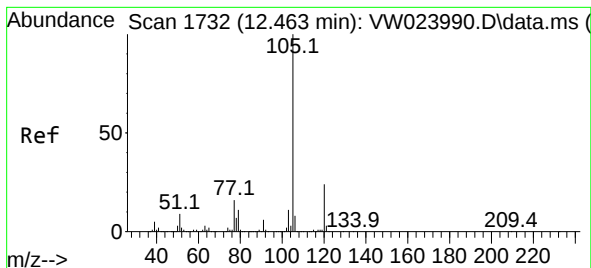
Tgt Ion:106 Resp: 10278
Ion Ratio Lower Upper
106 100
91 201.2 149.6 277.8



#57
1,1,2,2-Tetrachloroethane
Concen: 2.095 ug/L
RT: 12.682 min Scan# 1768
Delta R.T. -0.031 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

Tgt Ion: 83 Resp: 6670
Ion Ratio Lower Upper
83 100
85 61.4 46.5 86.3
131 9.0 7.4 11.0

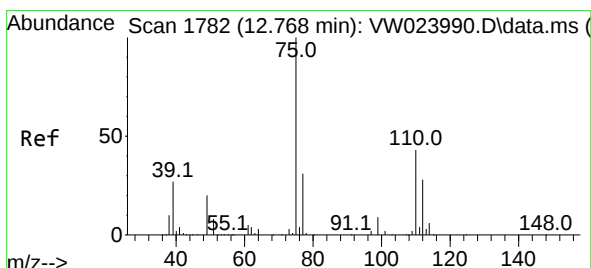
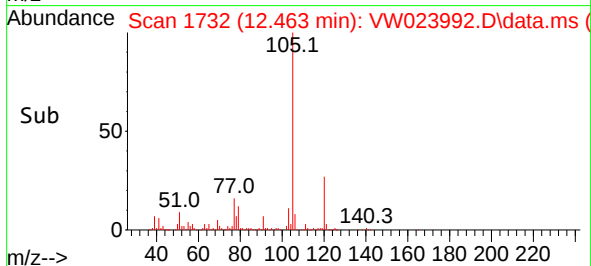
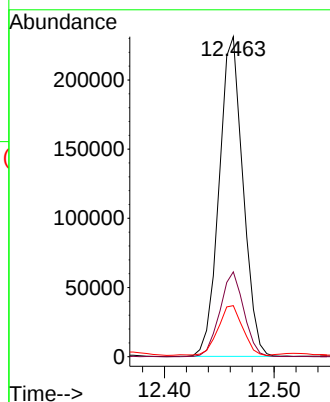
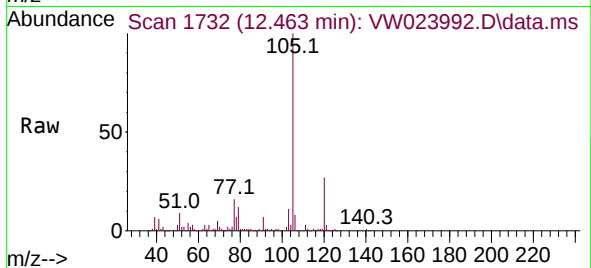




#60
Isopropylbenzene
Concen: 6096.138 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

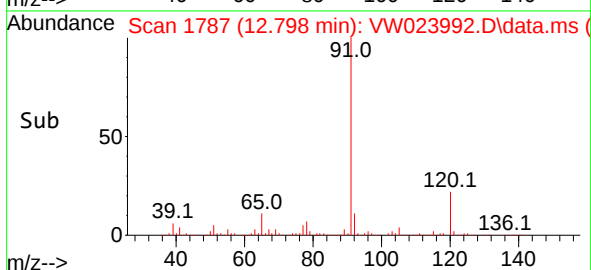
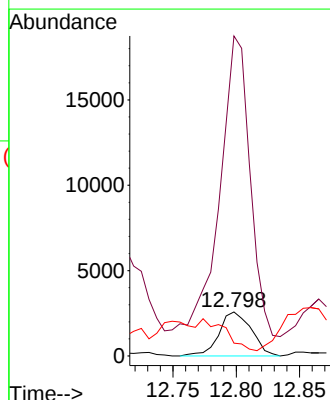
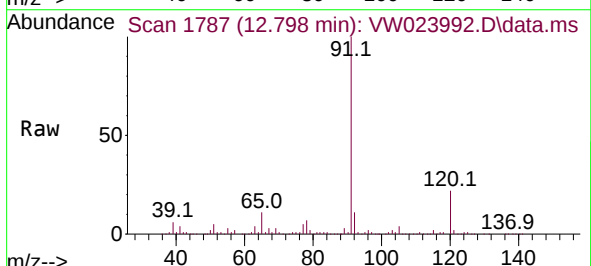
Instrument :
MSVOA_W
ClientSampleId :

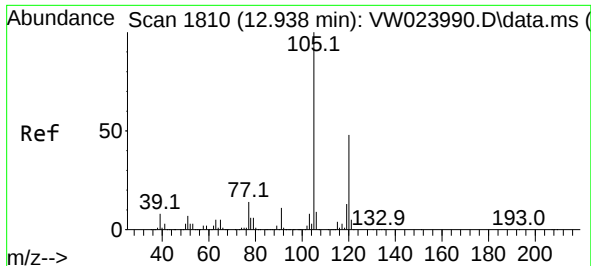
Tgt Ion:105 Resp: 349668
Ion Ratio Lower Upper
105 100
120 26.7 20.7 31.1
77 16.4 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 489.380 ug/L
RT: 12.798 min Scan# 1787
Delta R.T. 0.030 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

Tgt Ion: 75 Resp: 4582
Ion Ratio Lower Upper
75 100
77 643.4 25.0 37.4#
110 4.3 31.9 47.9#





#62

1,3,5-Trimethylbenzene

Concen: 360.114 ug/L

RT: 12.944 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW023992.D

Acq: 22 Jul 2022 09:02

Instrument :

MSVOA_W

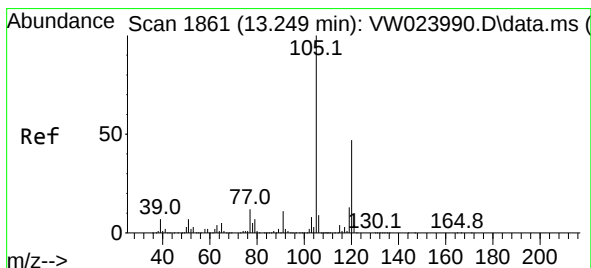
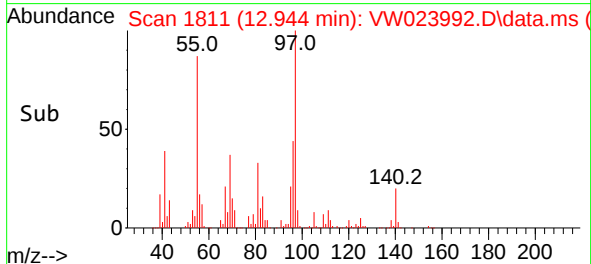
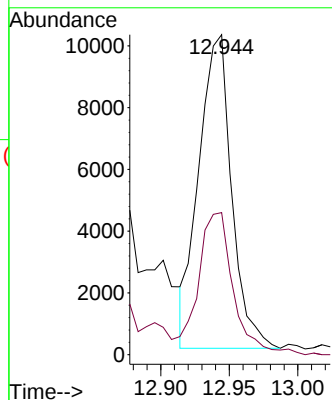
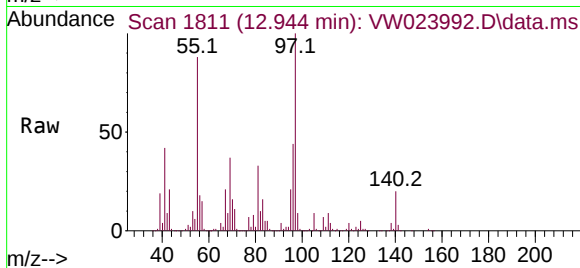
ClientSampleId :

Tgt Ion:105 Resp: 16911

Ion Ratio Lower Upper

105 100

120 44.3 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 2333.793 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW023992.D

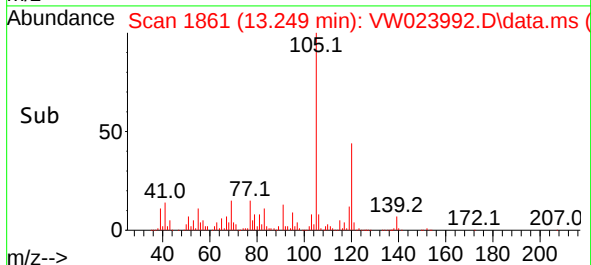
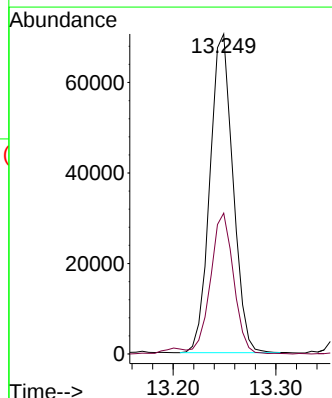
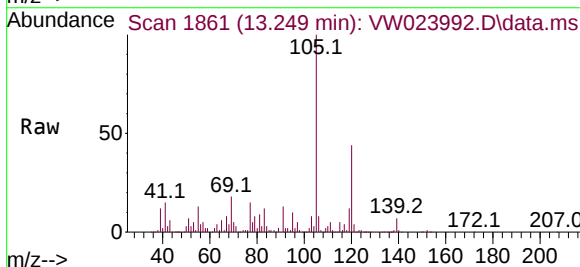
Acq: 22 Jul 2022 09:02

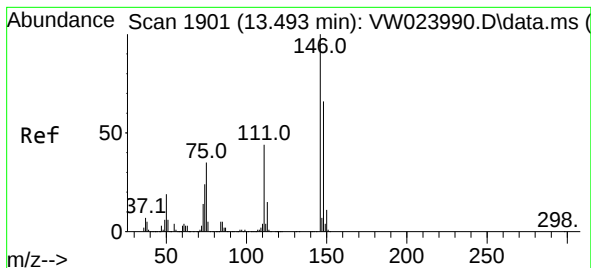
Tgt Ion:105 Resp: 109573

Ion Ratio Lower Upper

105 100

120 43.9 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 174.135 ug/L

RT: 13.499 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VW023992.D

Acq: 22 Jul 2022 09:02

Instrument :

MSVOA_W

ClientSampleId :

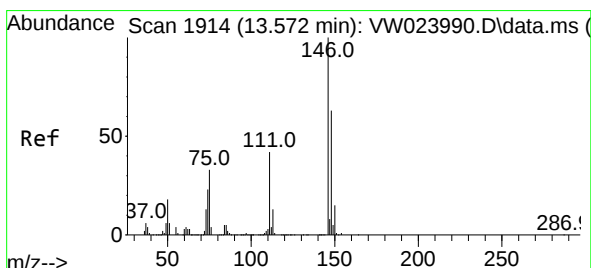
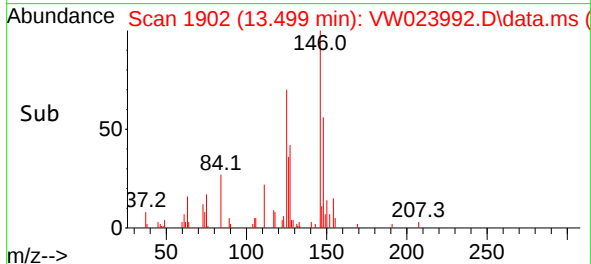
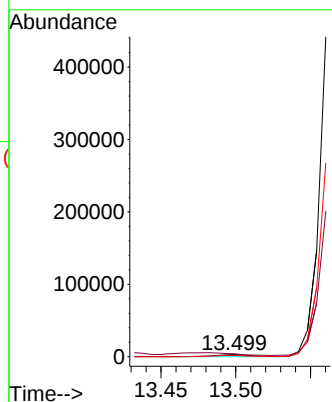
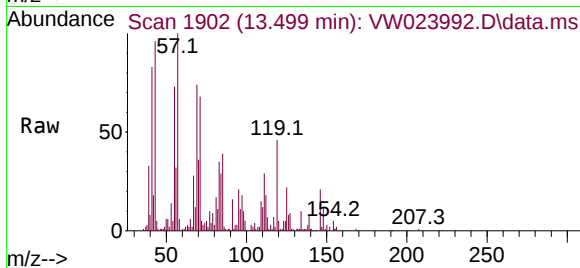
Tgt Ion:146 Resp: 4535

Ion Ratio Lower Upper

146 100

111 136.6 28.6 53.2#

148 55.6 41.2 76.4



#65

1,4-Dichlorobenzene

Concen: 79942.747 ug/L

RT: 13.572 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW023992.D

Acq: 22 Jul 2022 09:02

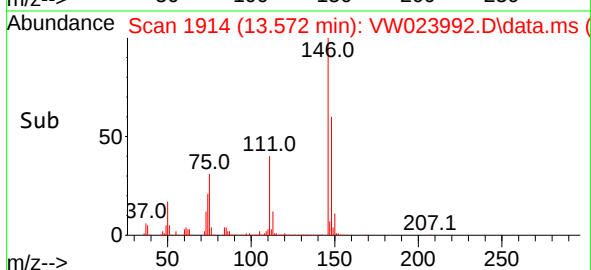
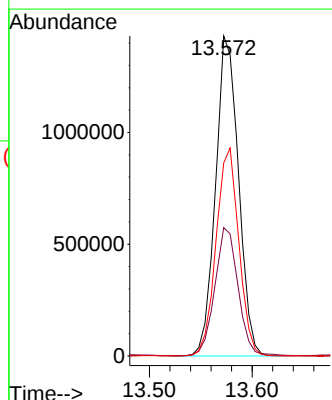
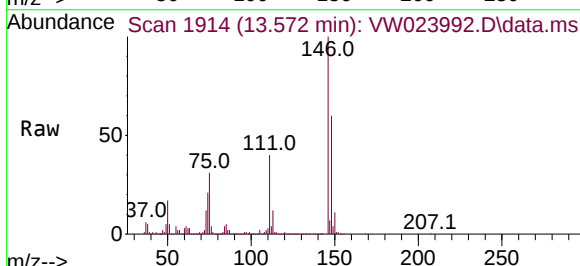
Tgt Ion:146 Resp: 2214949

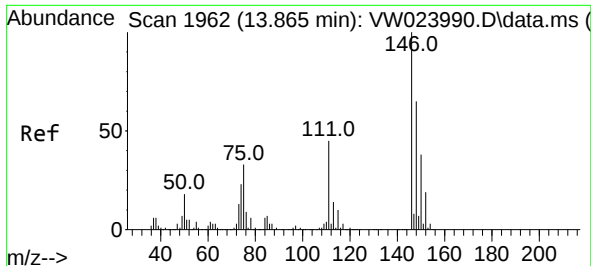
Ion Ratio Lower Upper

146 100

111 40.1 29.4 54.6

148 60.3 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 868.115 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW023992.D

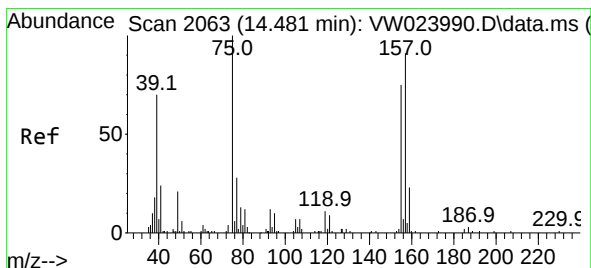
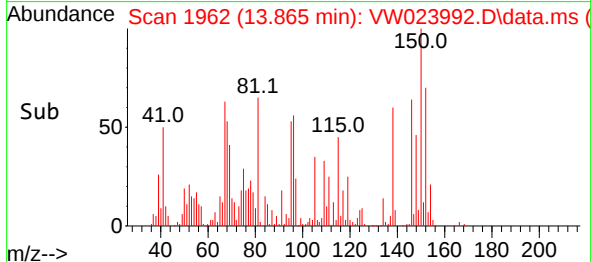
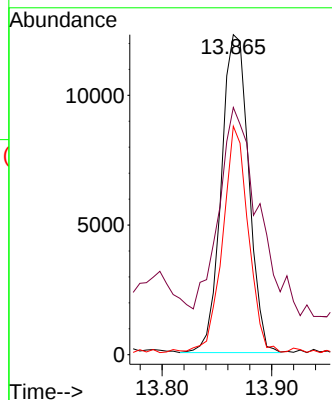
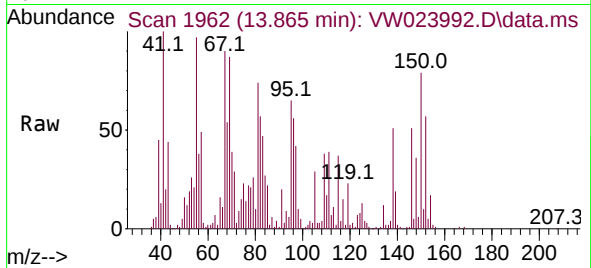
Acq: 22 Jul 2022 09:02

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	21322
Ion Ratio	Lower	Upper
146	100	
111	77.3	35.9 53.9#
148	71.4	51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 1341.979 ug/L

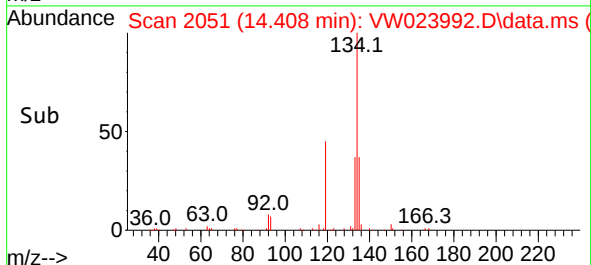
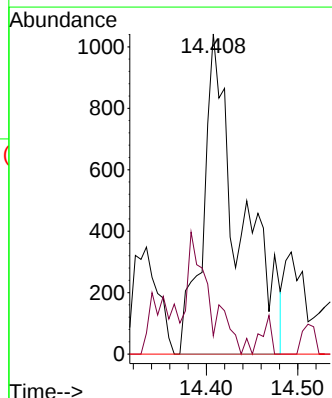
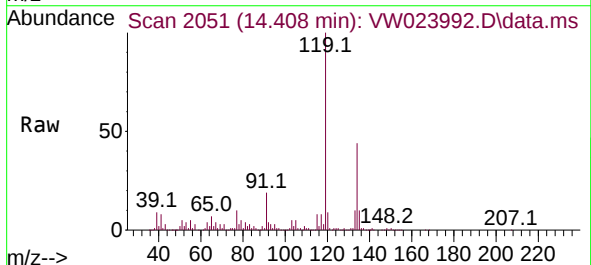
RT: 14.408 min Scan# 2051

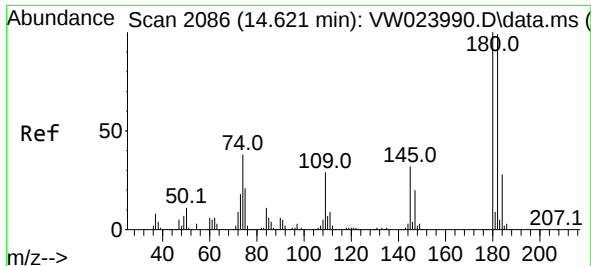
Delta R.T. -0.073 min

Lab File: VW023992.D

Acq: 22 Jul 2022 09:02

Tgt Ion: 75	Resp:	2898
Ion Ratio	Lower	Upper
75	100	
155	5.7	51.7 77.5#
157	0.0	63.5 95.3#





#69

1,3,5-Trichlorobenzene

Concen: 53.139 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.006 min

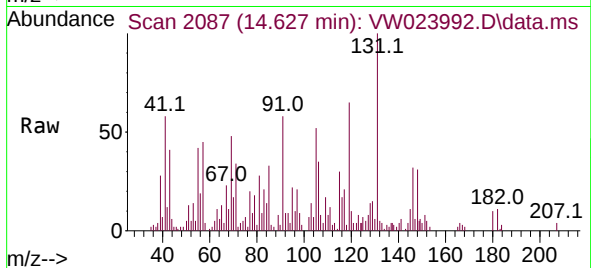
Lab File: VW023992.D

Acq: 22 Jul 2022 09:02

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 916

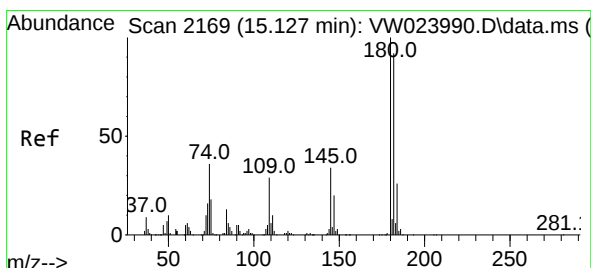
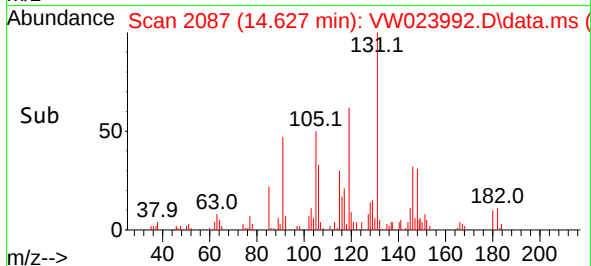
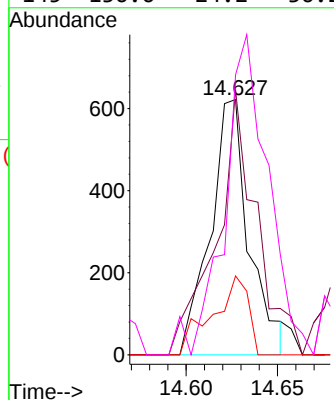
Ion Ratio Lower Upper

180 100

182 99.2 70.2 105.2

184 22.1 22.6 34.0#

145 136.6 24.2 36.2#



#70

1,2,4-trichlorobenzene

Concen: 214.566 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW023992.D

Acq: 22 Jul 2022 09:02

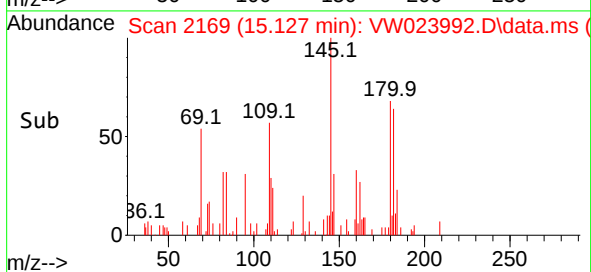
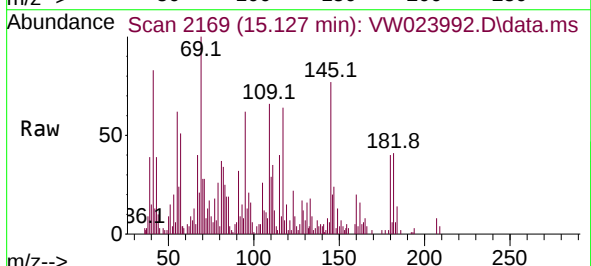
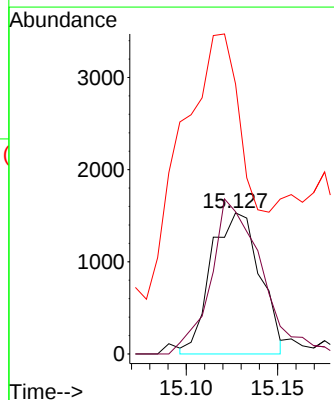
Tgt Ion:180 Resp: 2856

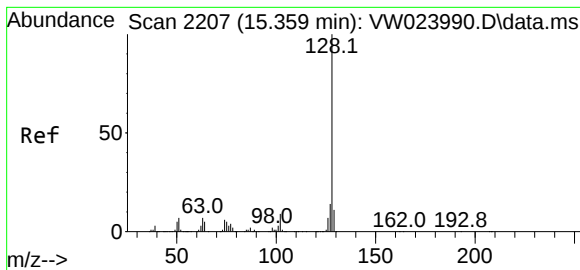
Ion Ratio Lower Upper

180 100

182 113.4 77.5 116.3

145 246.4 26.3 39.5#

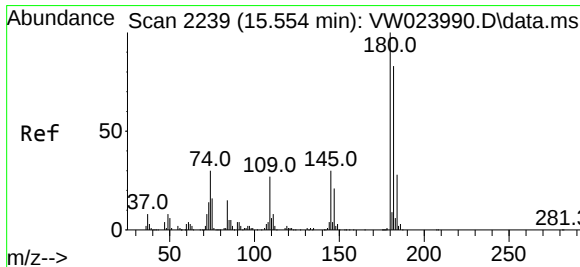
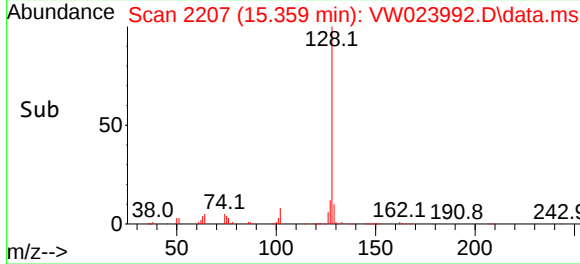
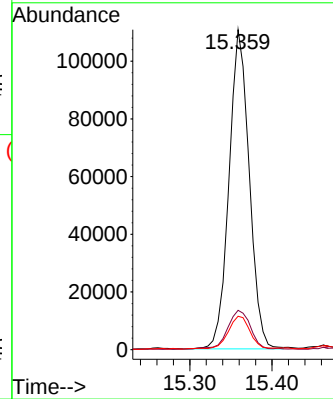
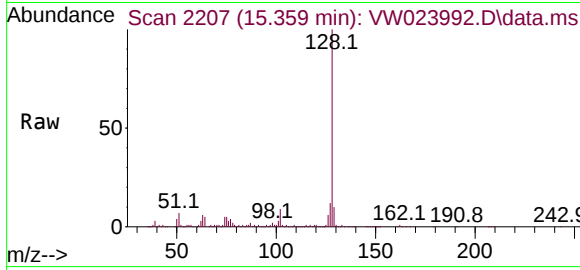




#71
Naphthalene
Concen: 6638.221 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 189536
Ion Ratio Lower Upper
128 100
127 13.9 11.0 16.4
129 10.5 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 52.714 ug/L
RT: 15.560 min Scan# 2240
Delta R.T. 0.006 min
Lab File: VW023992.D
Acq: 22 Jul 2022 09:02

Tgt Ion:180 Resp: 654
Ion Ratio Lower Upper
180 100
182 109.6 76.3 114.5
145 452.1 27.8 41.6#

