

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040722\
 Data File : VW022439.D
 Acq On : 07 Apr 2022 18:08
 Operator : SY/VA
 Sample : N2293-04
 Misc : 6.93g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 08 06:33:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040722SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 08 06:30:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	12745	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	10504	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	2542	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	7165	25.430	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 101.720%	
7) Chloroethane-d5	2.904	69	3675	20.812	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	= 83.240%	
11) 1,1-Dichloroethene-d2	4.031	63	6704	18.345	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 73.360%	
21) 2-Butanone-d5	7.147	46	164	3.334	ug/L	0.07
Spiked Amount	50.000	Range	20 - 135	Recovery	= 6.660%#	
24) Chloroform-d	7.659	84	9002	22.597	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 90.400%	
26) 1,2-Dichloroethane-d4	8.311	65	5500	24.164	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 96.640%	
32) Benzene-d6	8.281	84	16177	25.208	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 100.840%	
36) 1,2-Dichloropropane-d6	9.281	67	4960	26.707	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 106.840%	
41) Toluene-d8	10.317	98	13571	21.592	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 86.360%	
43) trans-1,3-Dichloroprop...	10.585	79	1704	19.442	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	= 77.760%	
47) 2-Hexanone-d5	10.981	63	143	4.139	ug/L	0.06
Spiked Amount	50.000	Range	20 - 135	Recovery	= 8.280%#	
56) 1,1,2,2-Tetrachloroeth...	12.695	84	2523	15.977	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 63.920%	
66) 1,2-Dichlorobenzene-d4	13.859	152	2079	23.090	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 92.360%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.239	85	79	1.264	ug/L	94
3) Chloromethane	2.227	50	376	2.414	ug/L	96
13) Acetone	4.178	43	160	4.777	ug/L	56
15) Methyl Acetate	4.769	43	158	1.880	ug/L	94
20) cis-1,2-Dichloroethene	7.177	96	221	1.041	ug/L #	22
22) 2-Butanone	7.122	43	142	2.807	ug/L	85
23) Bromochloromethane	7.366	128	60	0.657	ug/L #	1
27) 1,2-Dichloroethane	8.403	62	288	1.061	ug/L #	78
29) Cyclohexane	7.952	56	260	0.865	ug/L #	23
33) Benzene	8.329	78	16680	23.389	ug/L	100
34) Trichloroethene	9.085	95	447	2.341	ug/L	84
35) Methylcyclohexane	9.281	83	1400	4.087	ug/L #	22
37) 1,2-Dichloropropane	9.366	63	67	0.392	ug/L #	86
39) cis-1,3-Dichloropropene	10.061	75	159	0.586	ug/L #	42
42) Toluene	10.390	91	2650	3.243	ug/L #	65
48) 2-Hexanone	10.975	43	179	2.433	ug/L #	57
49) Dibromochloromethane	11.140	129	99	0.637	ug/L #	12
51) Chlorobenzene	11.658	112	77925	156.044	ug/L	97
61) 1,2,3-Trichloropropane	12.743	75	1677	31.013	ug/L #	1

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Quant Title : SFAM01.0
QLast Update : Fri Apr 08 06:30:01 2022
Response via : Initial Calibration

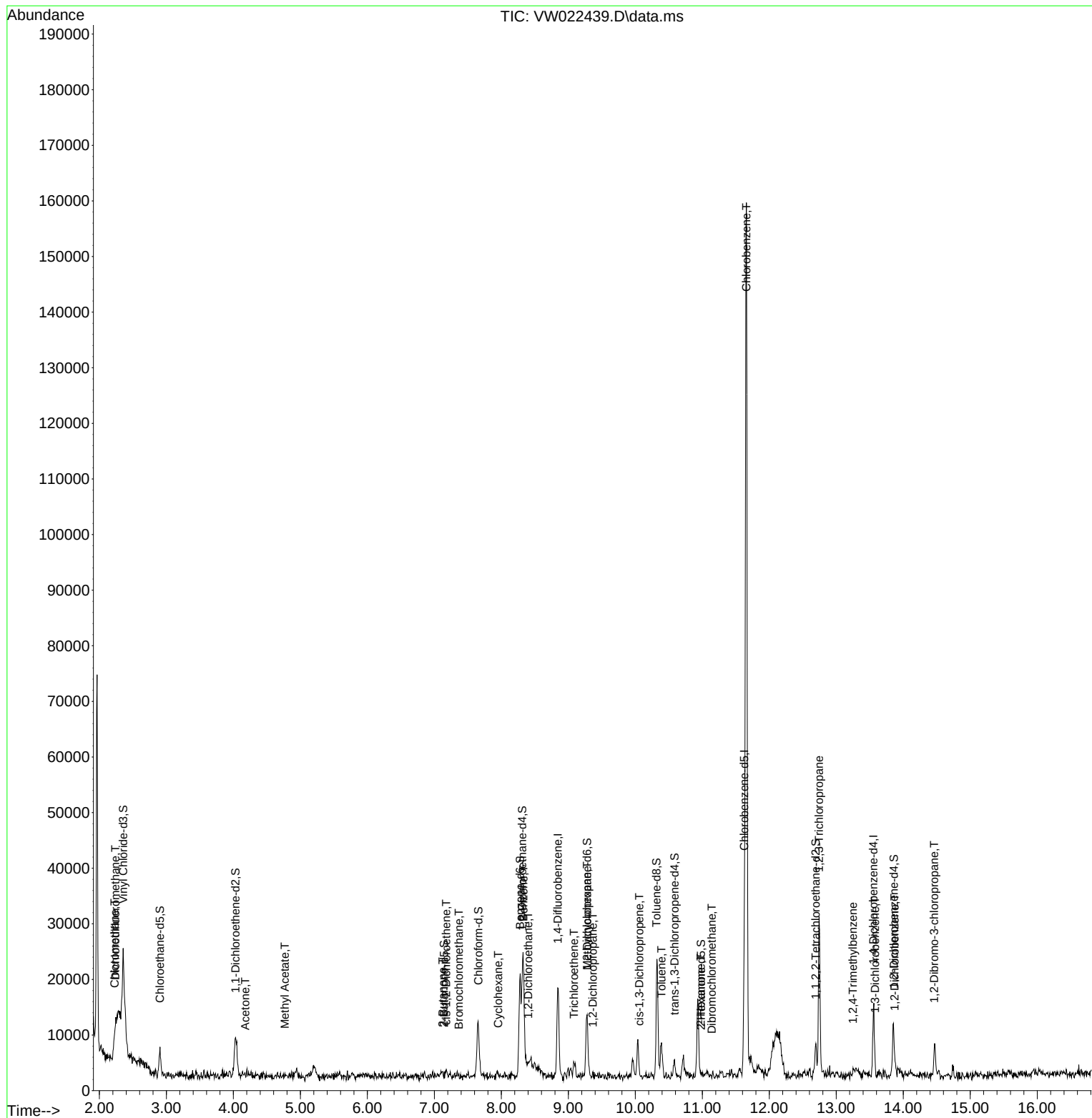
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.249	105	222	0.629	ug/L	91
64) 1,3-Dichlorobenzene	13.579	146	84	0.490	ug/L #	29
67) 1,2-Dichlorobenzene	13.871	146	279	1.820	ug/L #	84
68) 1,2-Dibromo-3-chloropr...	14.463	75	1124	89.626	ug/L #	15

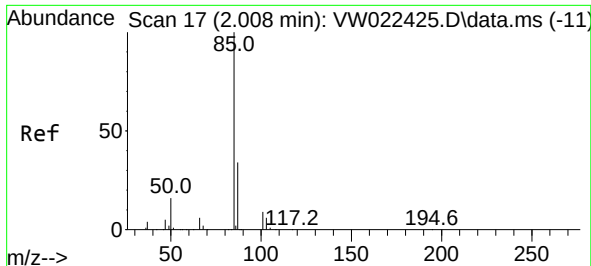
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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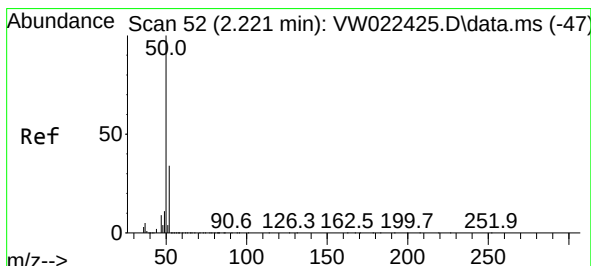
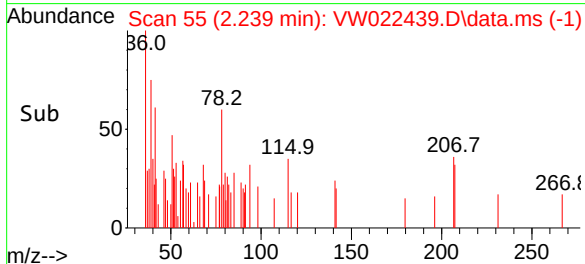
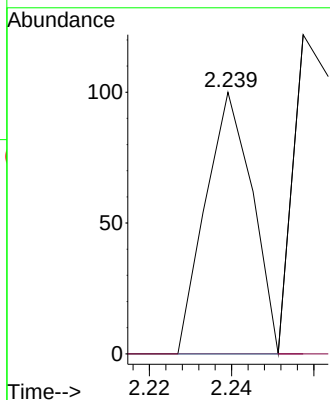
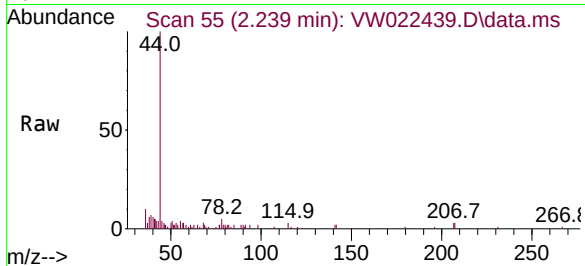




#2
Dichlorodifluoromethane
Concen: 1.264 ug/L
RT: 2.239 min Scan# 51
Delta R.T. 0.232 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

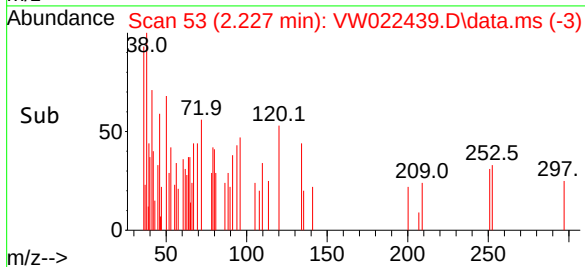
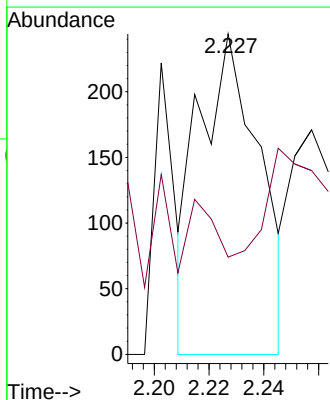
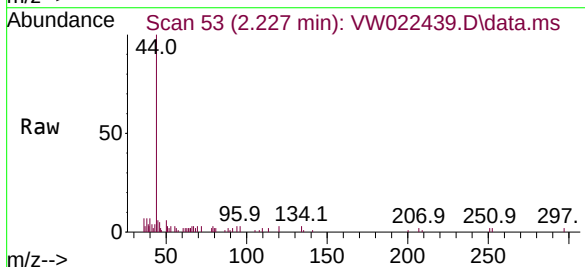
Instrument :
MSVOA_W
ClientSampleId :

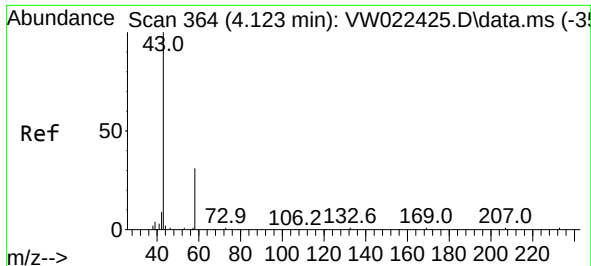
Tgt Ion: 85 Resp: 79
Ion Ratio Lower Upper
85 100
87 26.6 23.7 35.5



#3
Chloromethane
Concen: 2.414 ug/L
RT: 2.227 min Scan# 53
Delta R.T. 0.006 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

Tgt Ion: 50 Resp: 376
Ion Ratio Lower Upper
50 100
52 30.3 23.0 42.6

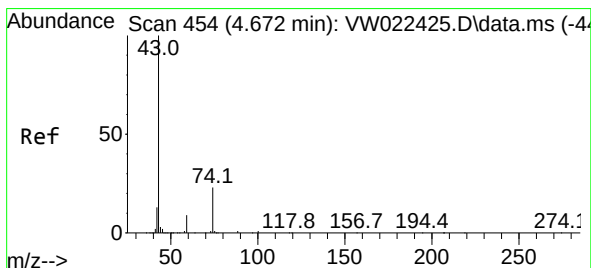
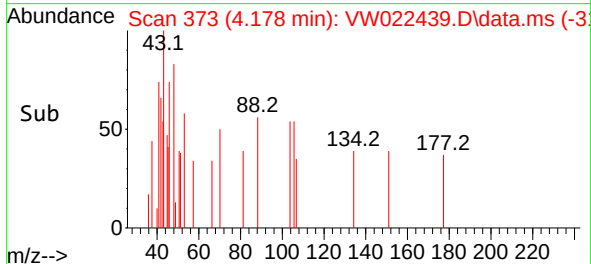
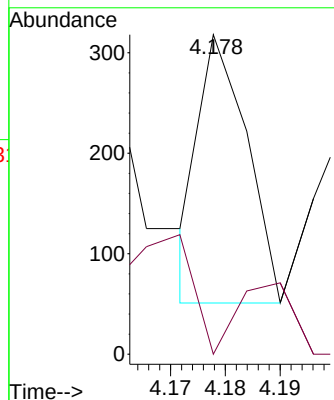
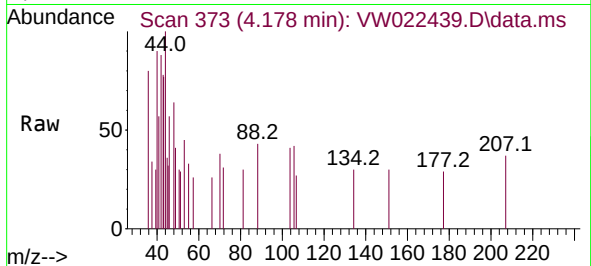




#13
Acetone
Concen: 4.777 ug/L
RT: 4.178 min Scan# 31
Delta R.T. 0.055 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

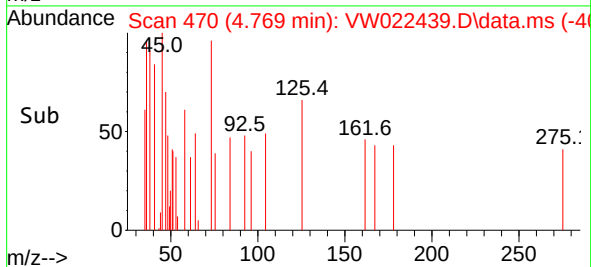
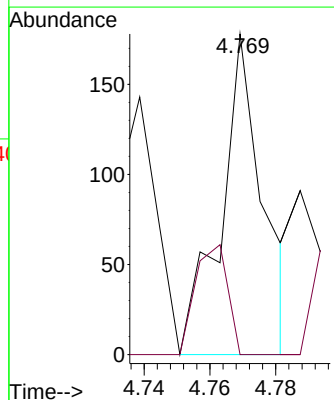
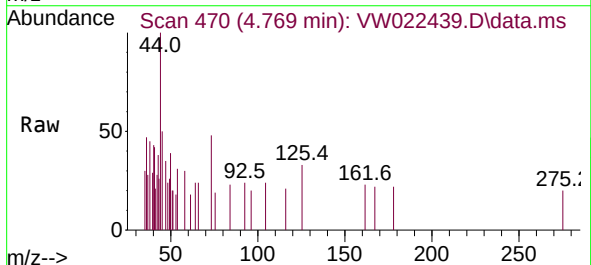
Instrument :
MSVOA_W
ClientSampleId :

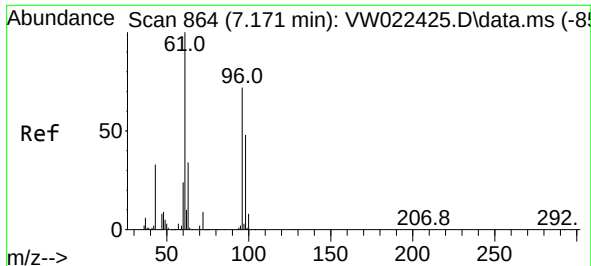
Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
58 51.9 0.0 57.0



#15
Methyl Acetate
Concen: 1.880 ug/L
RT: 4.769 min Scan# 470
Delta R.T. 0.097 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

Tgt Ion: 43 Resp: 158
Ion Ratio Lower Upper
43 100
74 25.9 18.5 27.7

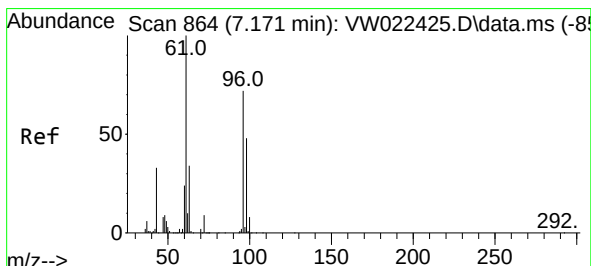
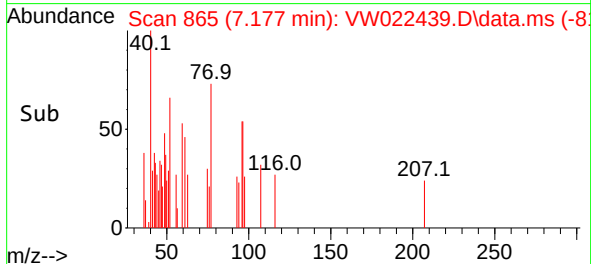
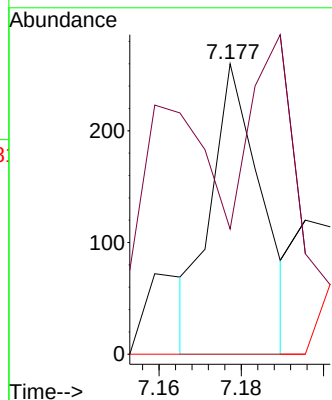
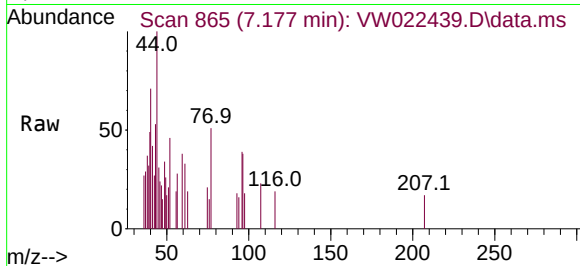




#20
 cis-1,2-Dichloroethene
 Concen: 1.041 ug/L
 RT: 7.177 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW022439.D
 Acq: 07 Apr 2022 18:08

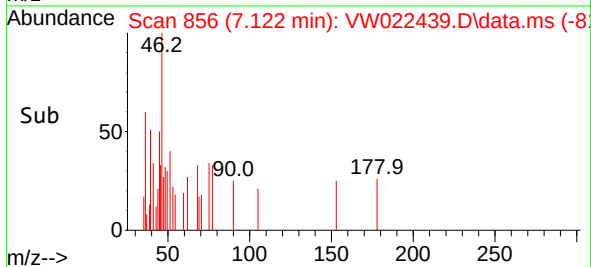
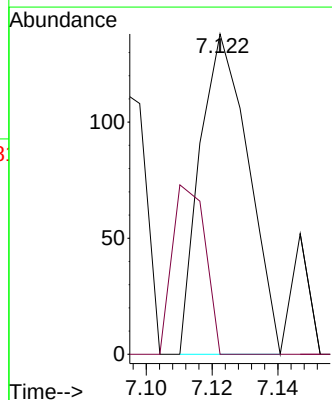
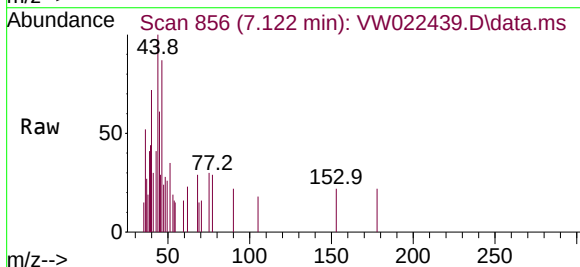
Instrument :
 MSVOA_W
 ClientSampleId :

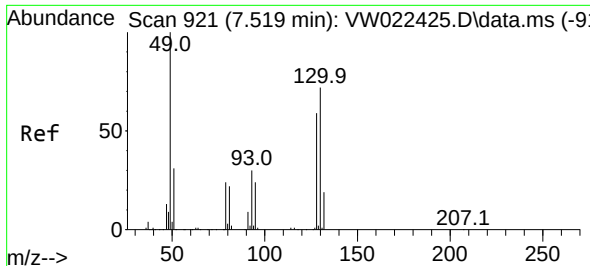
Tgt Ion: 96 Resp: 221
 Ion Ratio Lower Upper
 96 100
 61 43.1 96.4 179.0#
 68 0.0 0.1 0.3#



#22
 2-Butanone
 Concen: 2.807 ug/L
 RT: 7.122 min Scan# 856
 Delta R.T. -0.049 min
 Lab File: VW022439.D
 Acq: 07 Apr 2022 18:08

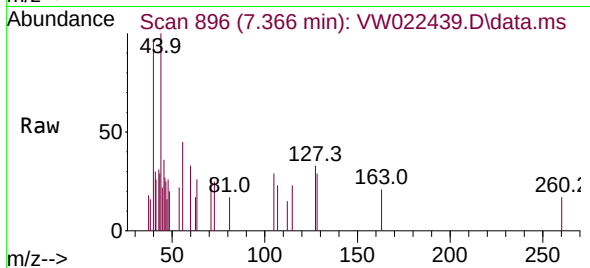
Tgt Ion: 43 Resp: 142
 Ion Ratio Lower Upper
 43 100
 72 35.9 14.0 42.0



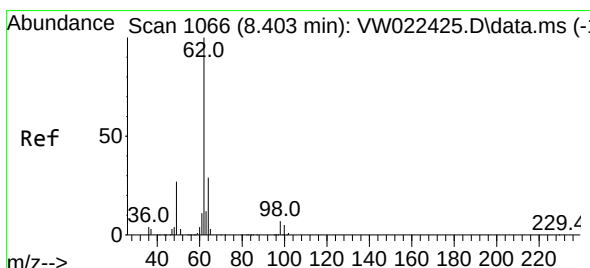
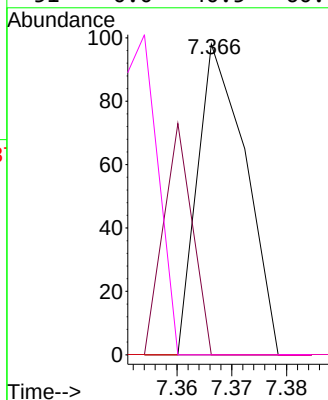
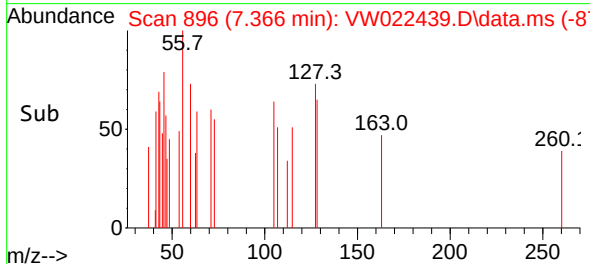


#23
Bromochloromethane
Concen: 0.657 ug/L
RT: 7.366 min Scan# 896
Delta R.T. -0.152 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

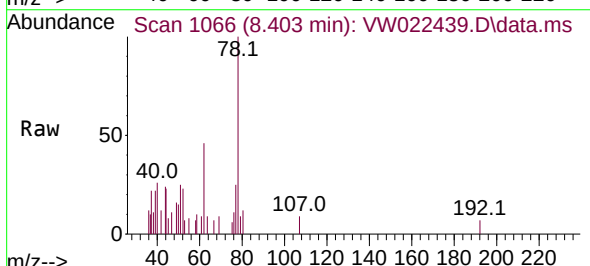
Instrument :
MSVOA_W
ClientSampleId :



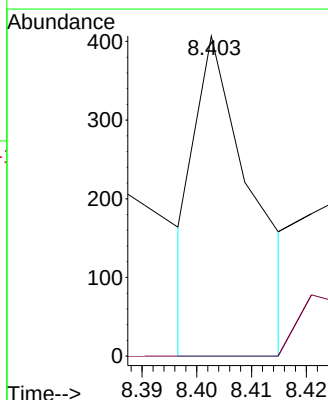
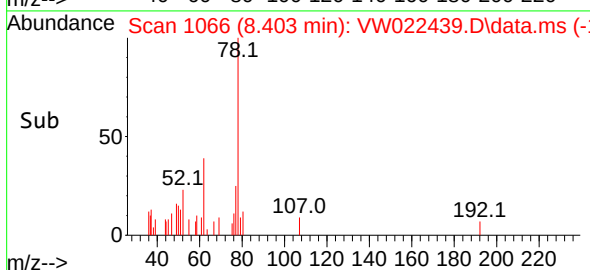
Tgt Ion:	128	Resp:	60
Ion	Ratio	Lower	Upper
128	100		
49	0.0	120.8	224.3#
130	0.0	81.8	151.8#
51	0.0	40.5	60.7#

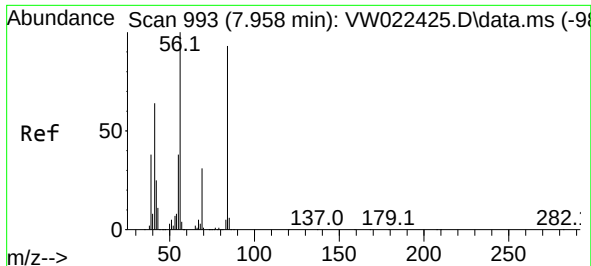


#27
1,2-Dichloroethane
Concen: 1.061 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08



Tgt Ion:	62	Resp:	288
Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.2	9.2#





#29

Cyclohexane

Concen: 0.865 ug/L

RT: 7.952 min Scan# 993

Delta R.T. -0.006 min

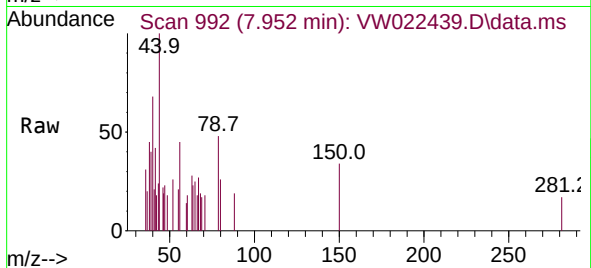
Lab File: VW022439.D

Acq: 07 Apr 2022 18:08

Instrument :

MSVOA_W

ClientSampleId :



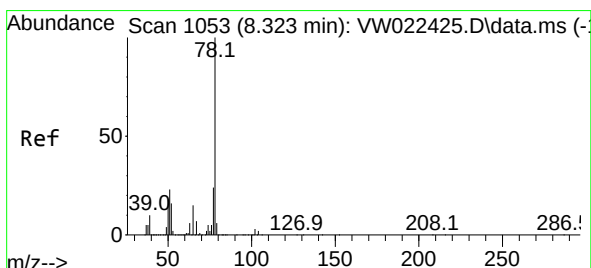
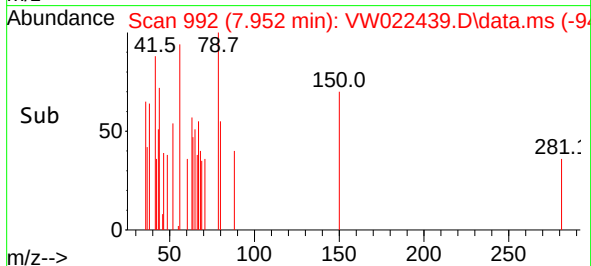
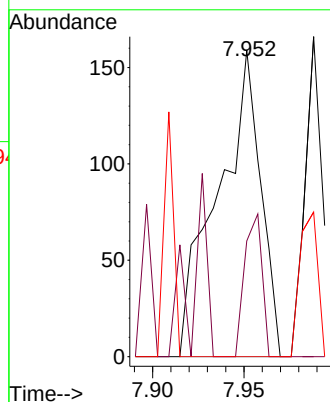
Tgt Ion: 56 Resp: 260

Ion Ratio Lower Upper

56 100

69 18.8 24.4 36.6#

84 0.0 72.6 108.8#



#33

Benzene

Concen: 23.389 ug/L

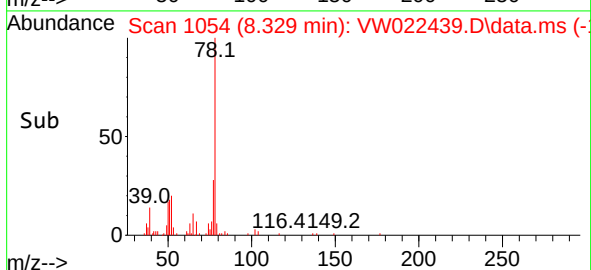
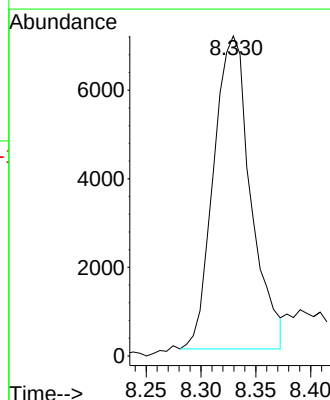
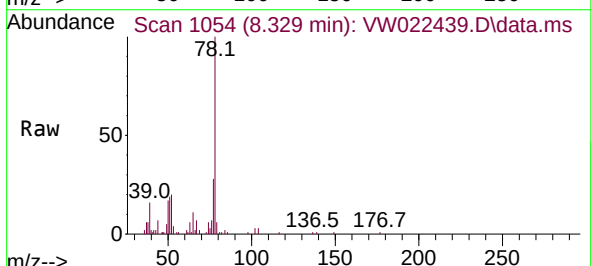
RT: 8.329 min Scan# 1054

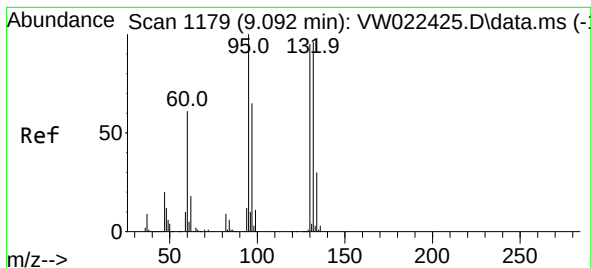
Delta R.T. 0.006 min

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Tgt Ion: 78 Resp: 16680





#34

Trichloroethene

Concen: 2.341 ug/L

RT: 9.085 min Scan# 1178

Delta R.T. -0.006 min

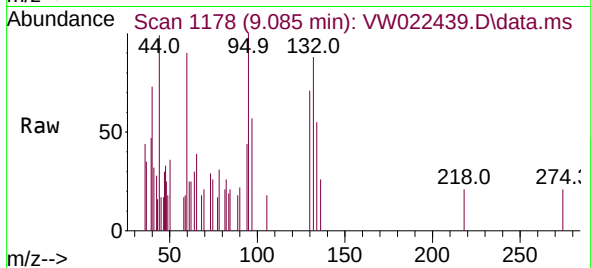
Lab File: VW022439.D

Acq: 07 Apr 2022 18:08

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 447

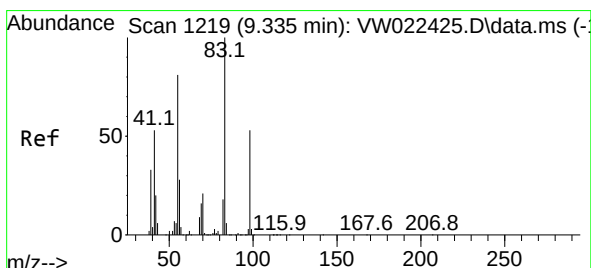
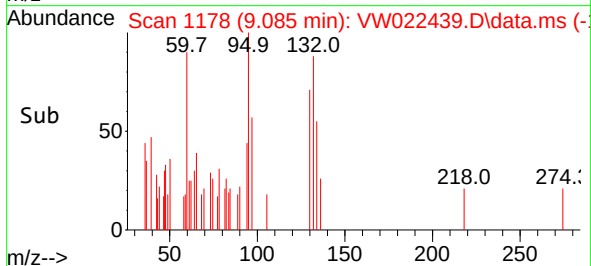
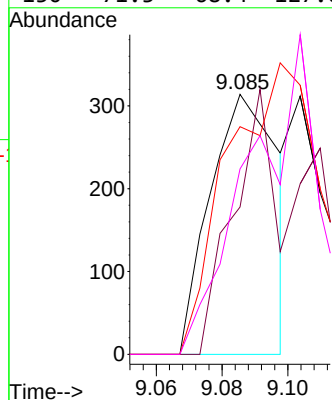
Ion Ratio Lower Upper

95 100

97 56.7 46.4 86.2

132 87.6 67.4 125.2

130 71.3 68.4 127.0



#35

Methylcyclohexane

Concen: 4.087 ug/L

RT: 9.281 min Scan# 1210

Delta R.T. -0.055 min

Lab File: VW022439.D

Acq: 07 Apr 2022 18:08

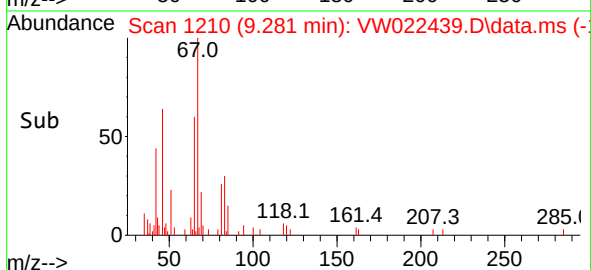
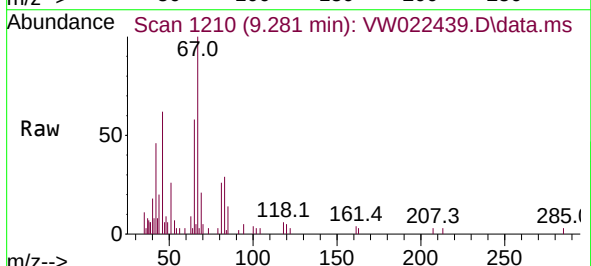
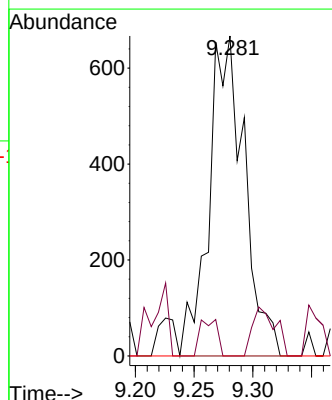
Tgt Ion: 83 Resp: 1400

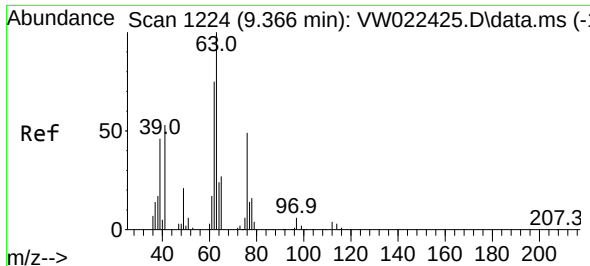
Ion Ratio Lower Upper

83 100

55 5.6 61.0 91.6#

98 0.0 39.2 58.8#





#37

1,2-Dichloropropane

Concen: 0.392 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

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Instrument :

MSVOA_W

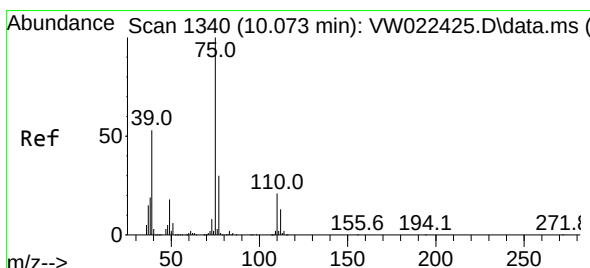
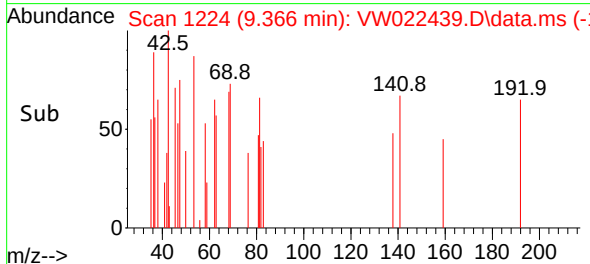
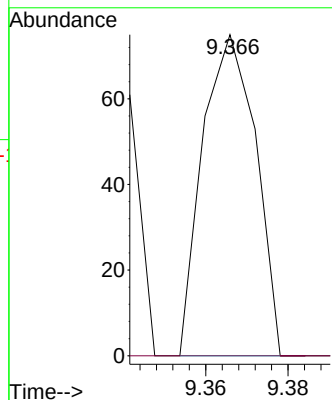
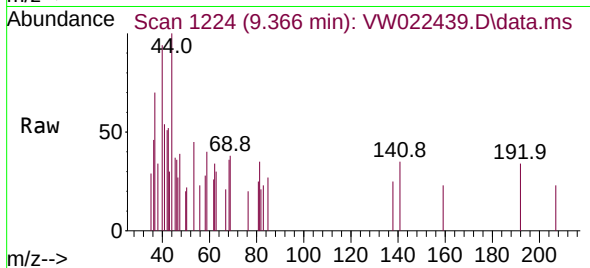
ClientSampleId :

Tgt Ion: 63 Resp: 67

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.586 ug/L

RT: 10.061 min Scan# 1338

Delta R.T. -0.012 min

Lab File: VW022439.D

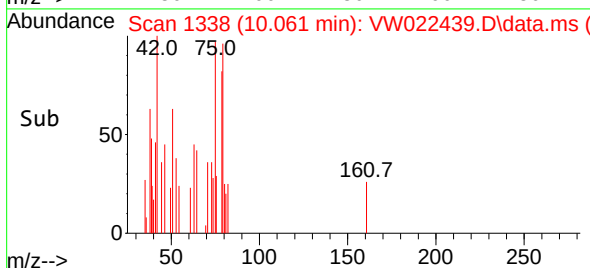
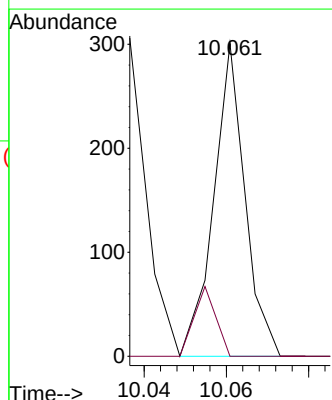
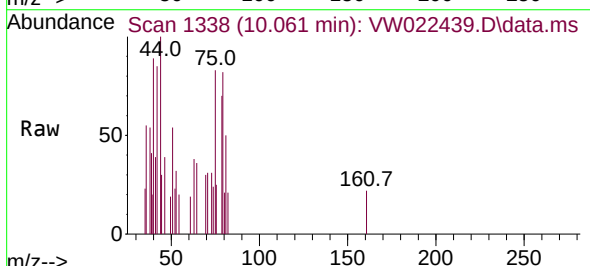
Acq: 07 Apr 2022 18:08

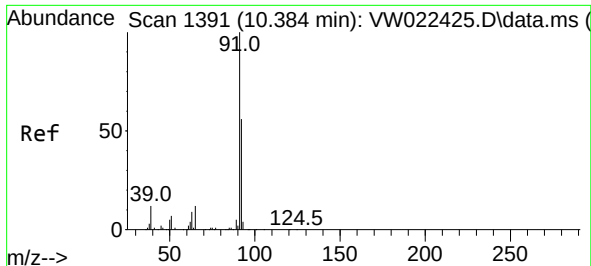
Tgt Ion: 75 Resp: 159

Ion Ratio Lower Upper

75 100

77 0.0 22.6 42.0#

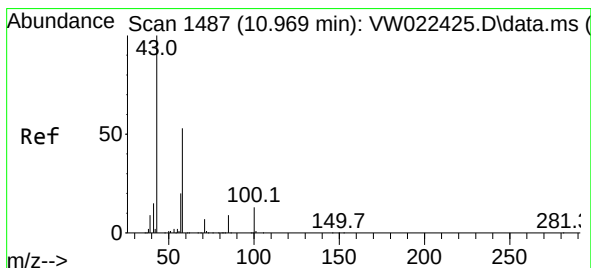
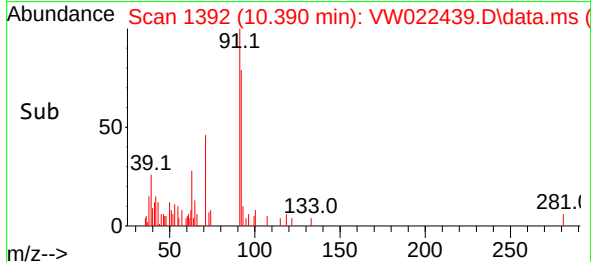
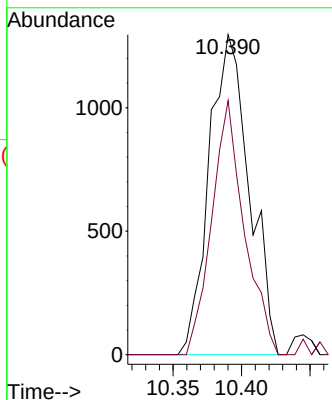
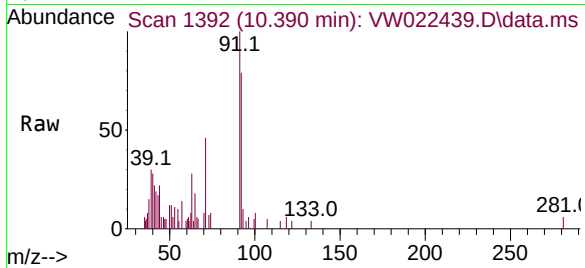




#42
Toluene
Concen: 3.243 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

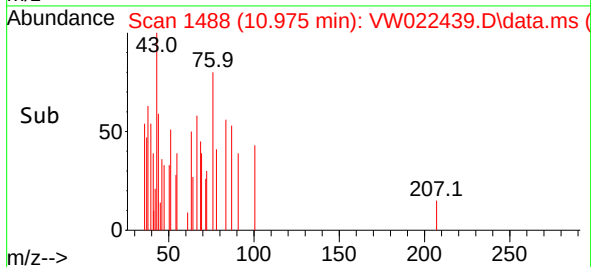
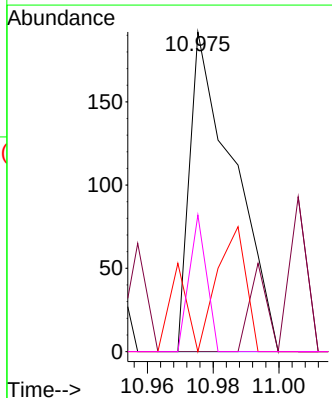
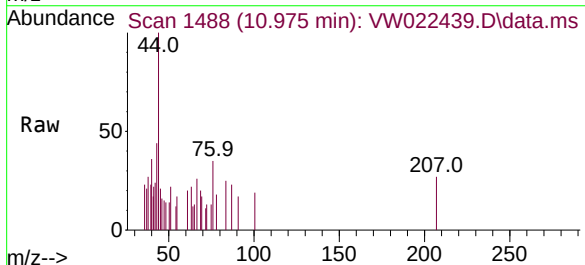
Instrument :
MSVOA_W
ClientSampleId :

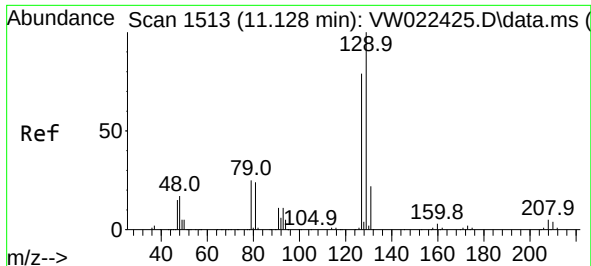
Tgt Ion: 91 Resp: 2650
Ion Ratio Lower Upper
91 100
92 79.4 38.0 70.6#



#48
2-Hexanone
Concen: 2.433 ug/L
RT: 10.975 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 13.4 41.6 62.4#
57 10.6 14.5 21.7#
100 0.0 9.3 13.9#





#49

Dibromochloromethane

Concen: 0.637 ug/L

RT: 11.140 min Scan# 11

Delta R.T. 0.012 min

Lab File: VW022439.D

Acq: 07 Apr 2022 18:08

Instrument :

MSVOA_W

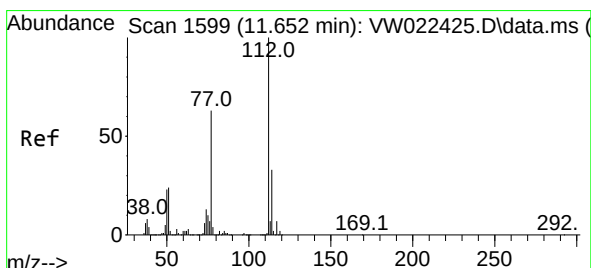
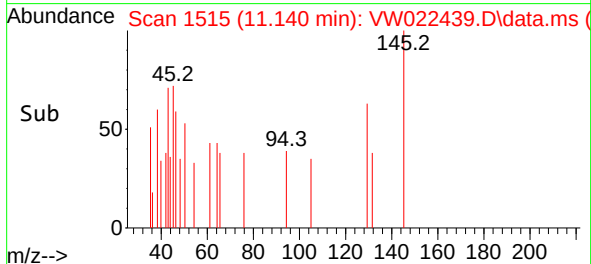
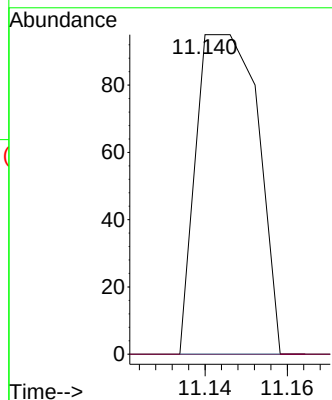
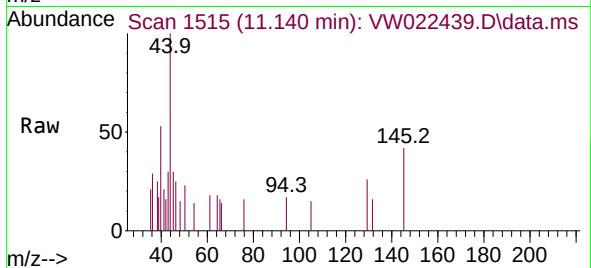
ClientSampleId :

Tgt Ion:129 Resp: 99

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.6#



#51

Chlorobenzene

Concen: 156.044 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW022439.D

Acq: 07 Apr 2022 18:08

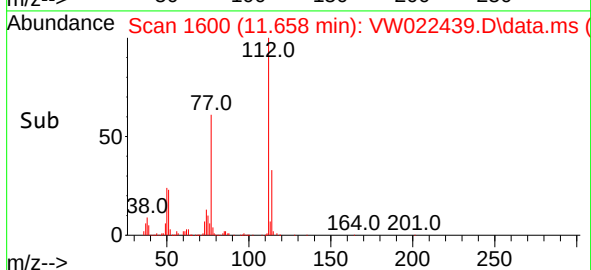
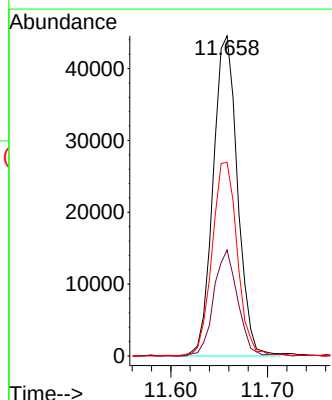
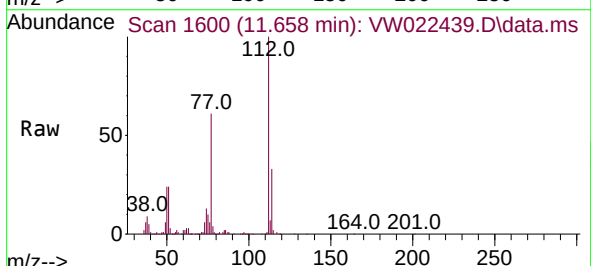
Tgt Ion:112 Resp: 77925

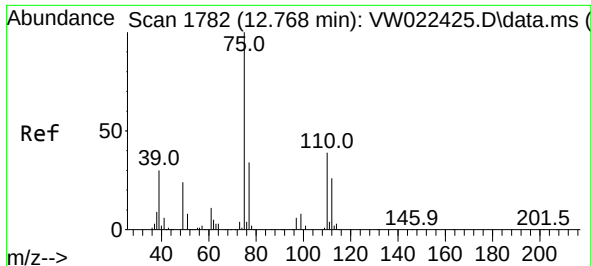
Ion Ratio Lower Upper

112 100

114 33.1 20.5 38.1

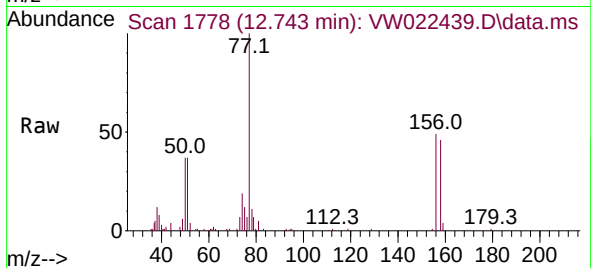
77 60.5 48.1 72.1



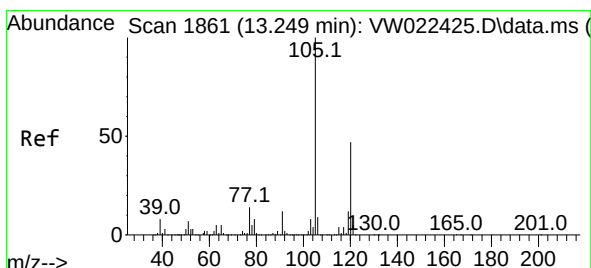
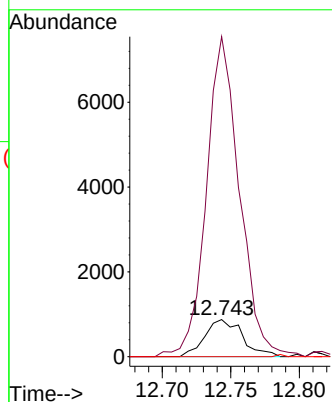
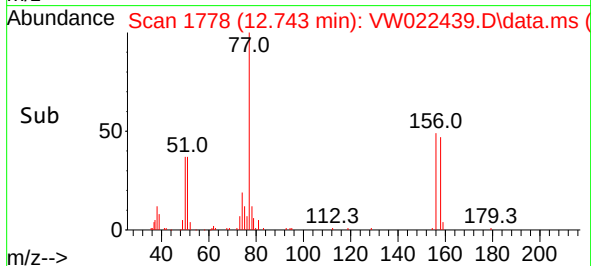


#61
1,2,3-Trichloropropane
Concen: 31.013 ug/L
RT: 12.743 min Scan# 11
Delta R.T. -0.024 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

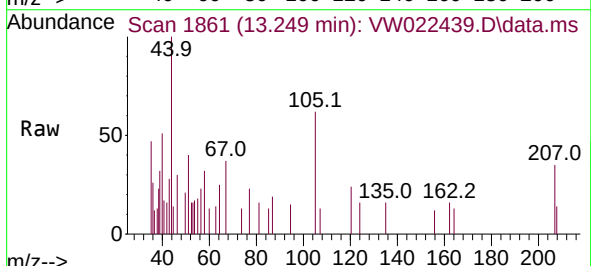
Instrument :
MSVOA_W
ClientSampleId :



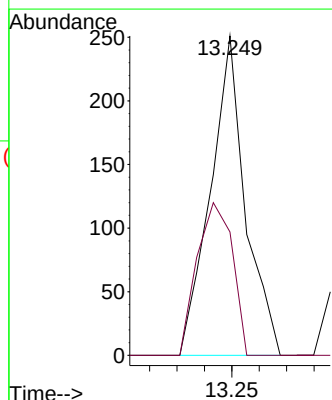
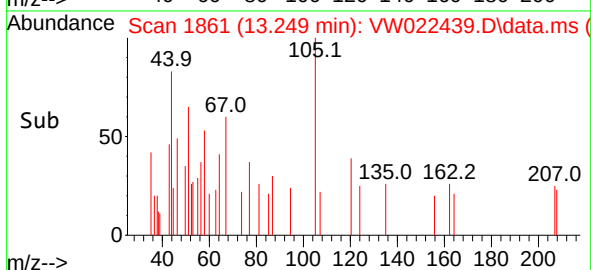
Tgt Ion: 75 Resp: 1677
Ion Ratio Lower Upper
75 100
77 757.7 25.7 38.5#
110 0.0 31.8 47.6#

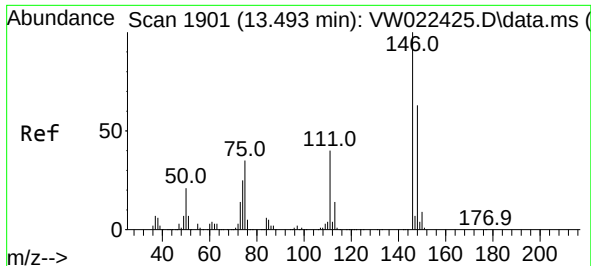


#63
1,2,4-Trimethylbenzene
Concen: 0.629 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08



Tgt Ion: 105 Resp: 222
Ion Ratio Lower Upper
105 100
120 48.6 34.2 51.2

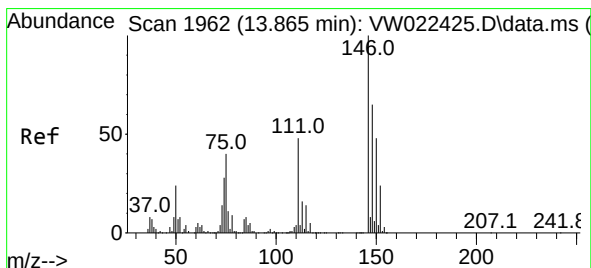
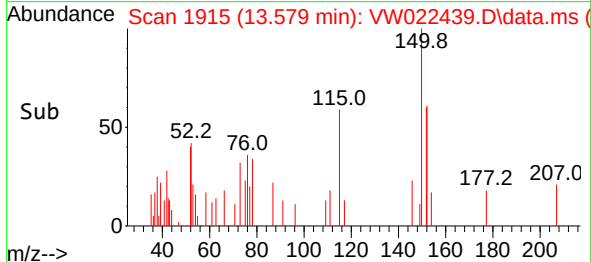
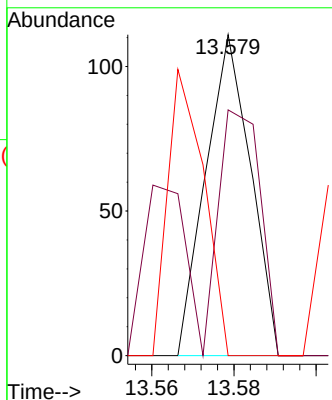
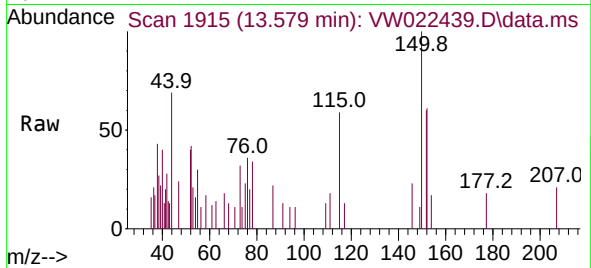




#64
1,3-Dichlorobenzene
Concen: 0.490 ug/L
RT: 13.579 min Scan# 1901
Delta R.T. 0.085 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

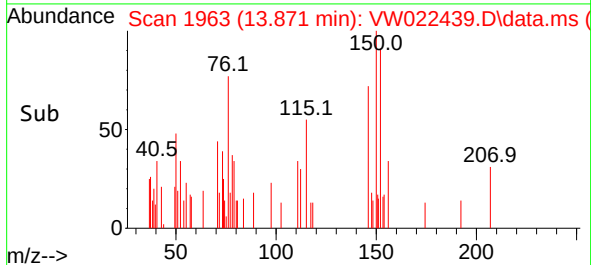
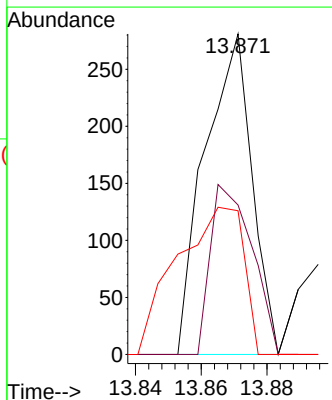
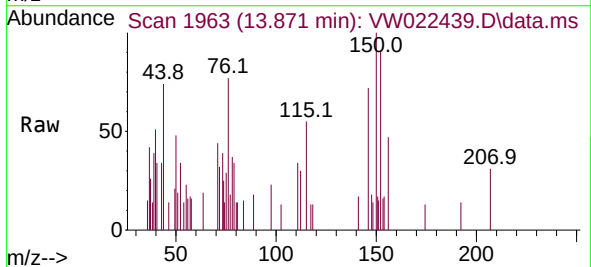
Instrument :
MSVOA_W
ClientSampleId :

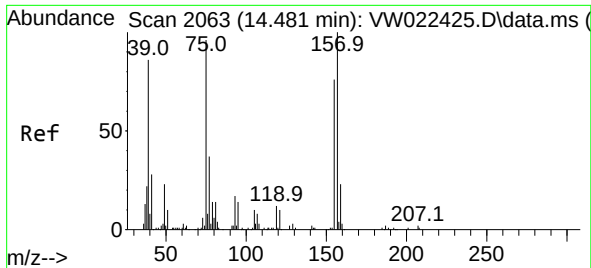
Tgt Ion:146 Resp: 84
Ion Ratio Lower Upper
146 100
111 76.6 28.2 52.4#
148 0.0 41.9 77.7#



#67
1,2-Dichlorobenzene
Concen: 1.820 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW022439.D
Acq: 07 Apr 2022 18:08

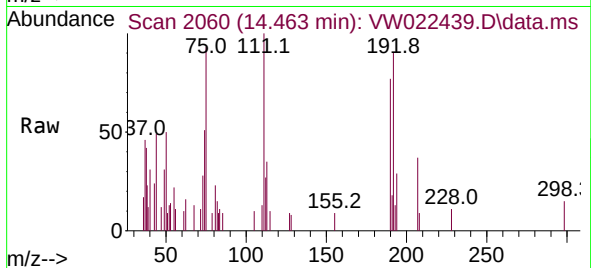
Tgt Ion:146 Resp: 279
Ion Ratio Lower Upper
146 100
111 46.6 39.0 58.4
148 44.8 52.1 78.1#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 89.626 ug/L
 RT: 14.463 min Scan# 2060
 Delta R.T. -0.018 min
 Lab File: VW022439.D
 Acq: 07 Apr 2022 18:08

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 1124
 Ion Ratio Lower Upper
 75 100
 155 9.7 55.6 83.4#
 157 0.0 69.8 104.6#

