

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121721\
 Data File : VW021437.D
 Acq On : 17 Dec 2021 17:43
 Operator : SY/VA
 Sample : M5121-12
 Misc : 5.84g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 21:18:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 17 00:58:26 2021
 Response via : Initial Calibration

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

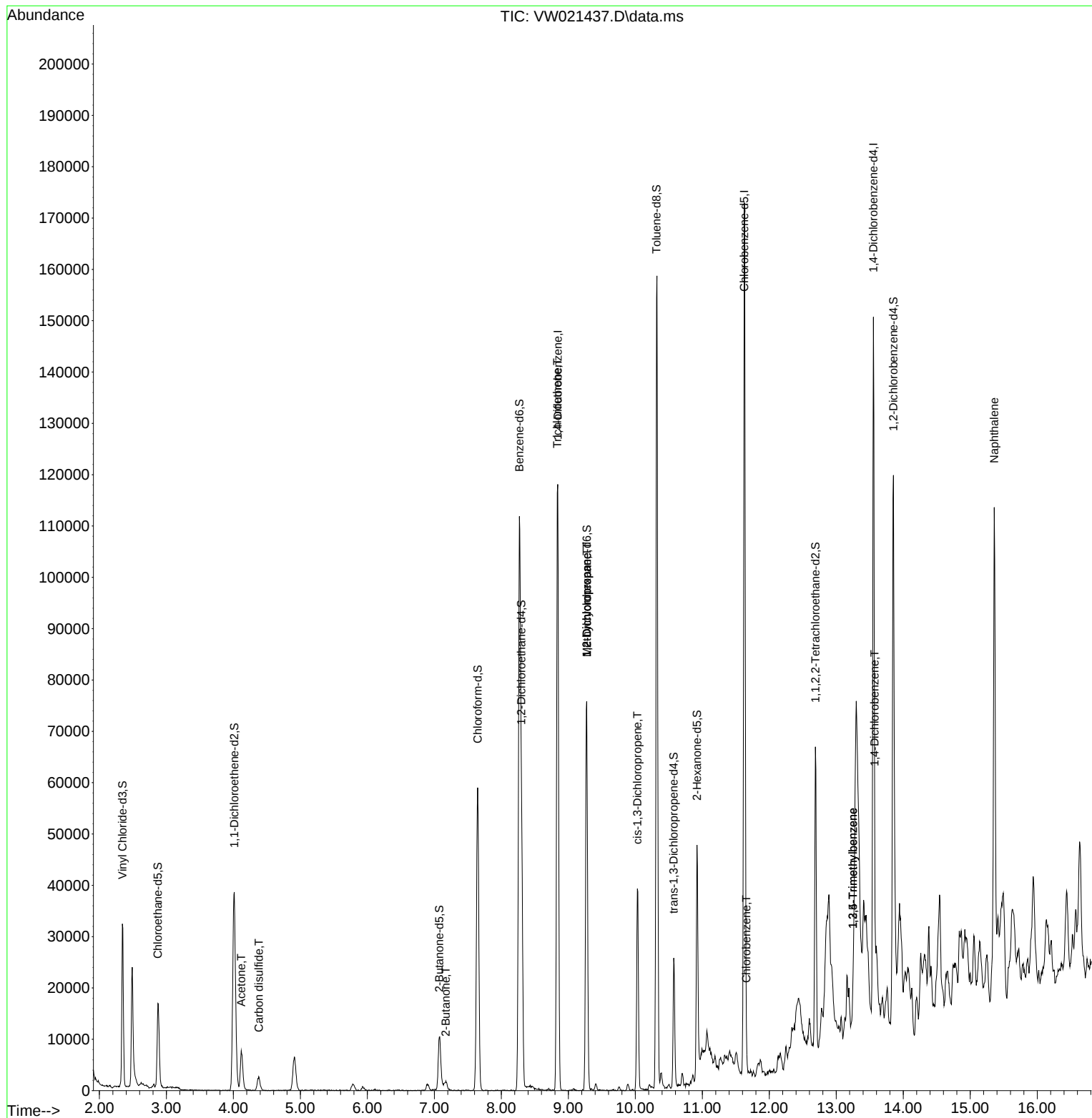
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	105211	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	95191	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	37056	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	30766	16.056	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.240%
7) Chloroethane-d5	2.873	69	20027	15.810	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.240%
11) 1,1-Dichloroethene-d2	4.013	63	36550	14.307	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.240%
21) 2-Butanone-d5	7.074	46	18149	67.193	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.380%
24) Chloroform-d	7.647	84	59907	20.432	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.720%
26) 1,2-Dichloroethane-d4	8.299	65	36476	23.388	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.560%
32) Benzene-d6	8.269	84	114737	21.990	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.960%
36) 1,2-Dichloropropane-d6	9.274	67	32691	23.362	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.440%
41) Toluene-d8	10.317	98	103494	19.413	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.640%
43) trans-1,3-Dichloroprop...	10.573	79	13518	20.980	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.920%
47) 2-Hexanone-d5	10.921	63	15093	72.940	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	145.880%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	26413	21.957	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.840%
66) 1,2-Dichlorobenzene-d4	13.853	152	27109	18.876	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.520%
Target Compounds						
					Qvalue	
13) Acetone	4.117	43	13210	54.555	ug/L	90
14) Carbon disulfide	4.379	76	5714	1.697	ug/L	# 94
22) 2-Butanone	7.171	43	2632	8.323	ug/L	86
34) Trichloroethene	8.836	95	3336	2.292	ug/L	# 5
35) Methylcyclohexane	9.274	83	9003	3.749	ug/L	# 15
37) 1,2-Dichloropropane	9.274	63	4128	3.569	ug/L	# 88
39) cis-1,3-Dichloropropene	10.030	75	1134	0.622	ug/L	# 35
51) Chlorobenzene	11.658	112	2232	0.550	ug/L	92
62) 1,3,5-Trimethylbenzene	13.249	105	2704	0.631	ug/L	89
63) 1,2,4-Trimethylbenzene	13.249	105	2704	0.640	ug/L	93
65) 1,4-Dichlorobenzene	13.573	146	3051	1.293	ug/L	# 84
71) Naphthalene	15.359	128	80725	34.801	ug/L	99

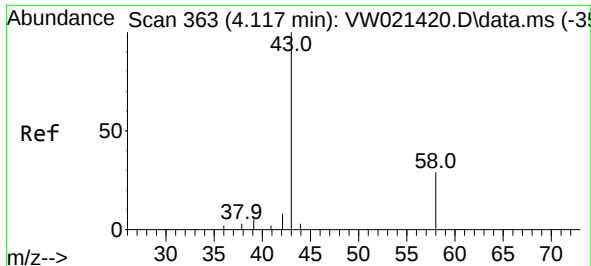
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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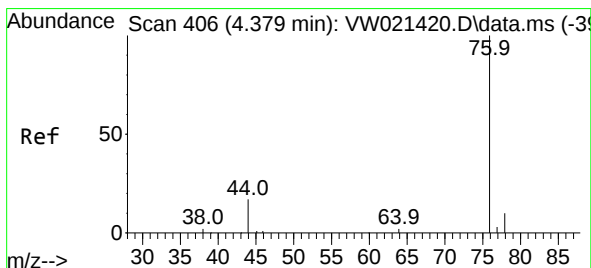
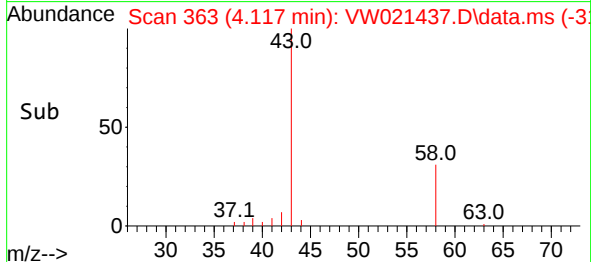
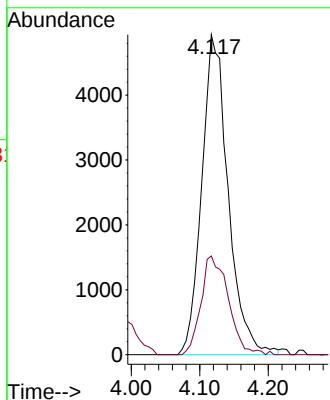
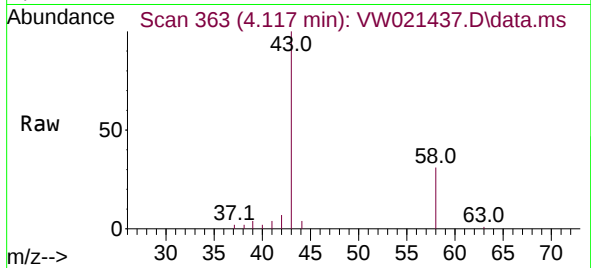




#13
Acetone
Concen: 54.555 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.012 min
Lab File: VW021437.D
Acq: 17 Dec 2021 17:43

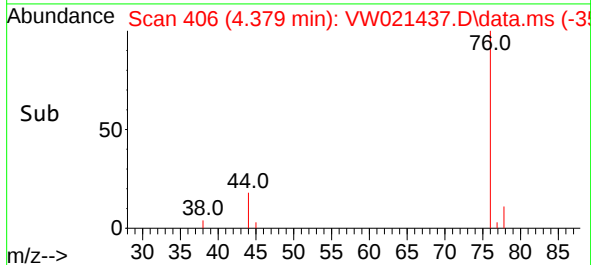
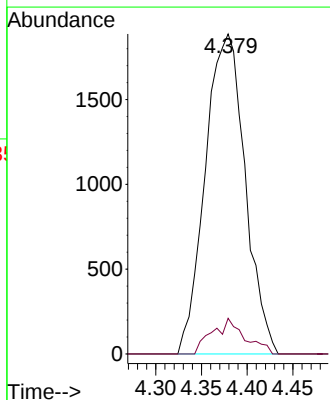
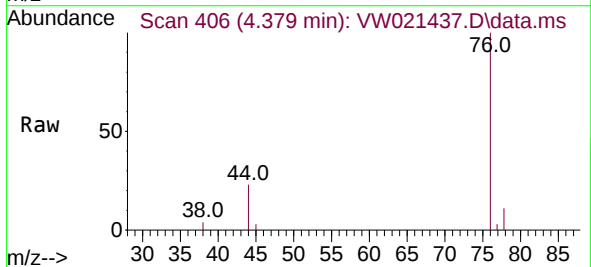
Instrument :
MSVOA_W
ClientSampleId :

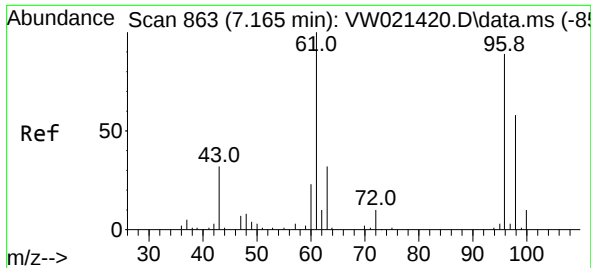
Tgt Ion: 43 Resp: 13210
Ion Ratio Lower Upper
43 100
58 31.5 0.0 52.8



#14
Carbon disulfide
Concen: 1.697 ug/L
RT: 4.379 min Scan# 406
Delta R.T. 0.000 min
Lab File: VW021437.D
Acq: 17 Dec 2021 17:43

Tgt Ion: 76 Resp: 5714
Ion Ratio Lower Upper
76 100
78 11.1 7.1 10.7#

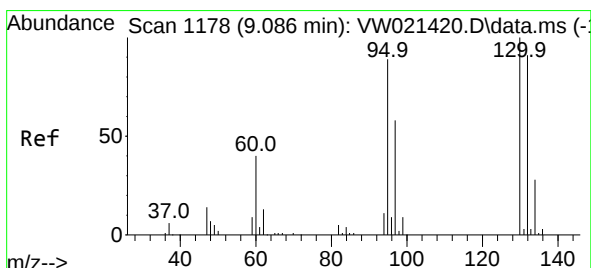
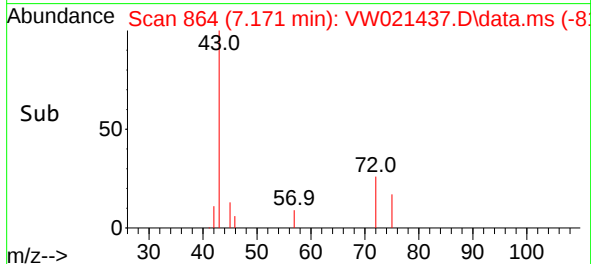
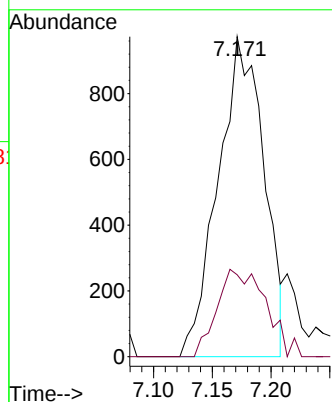
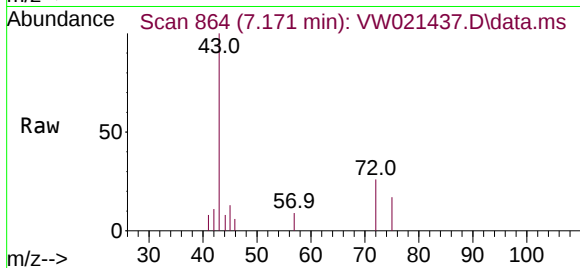




#22
2-Butanone
Concen: 8.323 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW021437.D
Acq: 17 Dec 2021 17:43

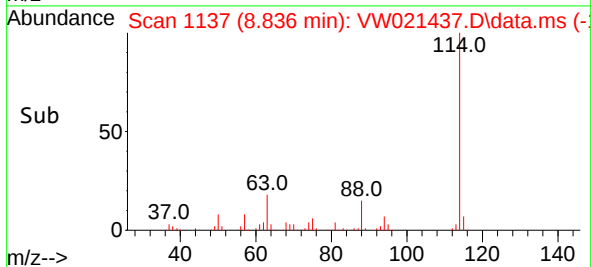
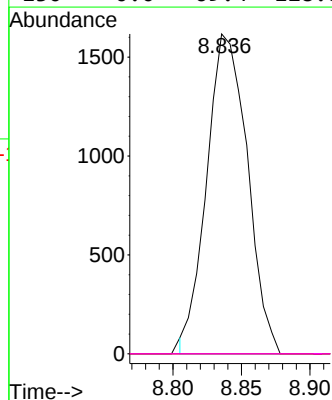
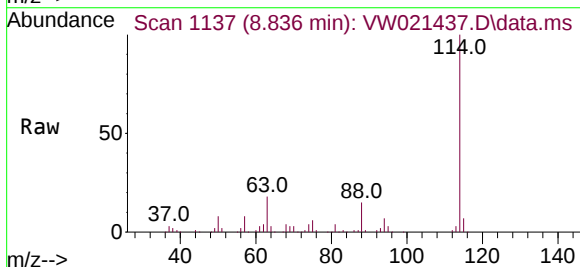
Instrument :
MSVOA_W
ClientSampleId :

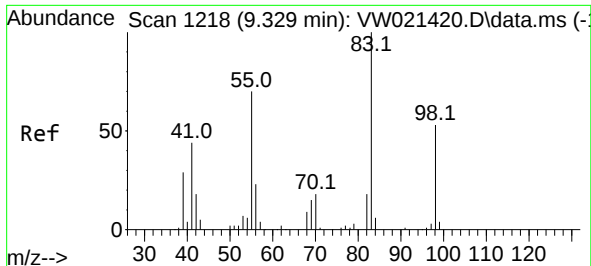
Tgt Ion: 43 Resp: 2632
Ion Ratio Lower Upper
43 100
72 16.7 11.8 35.4



#34
Trichloroethene
Concen: 2.292 ug/L
RT: 8.836 min Scan# 1137
Delta R.T. -0.256 min
Lab File: VW021437.D
Acq: 17 Dec 2021 17:43

Tgt Ion: 95 Resp: 3336
Ion Ratio Lower Upper
95 100
97 0.0 47.0 87.2#
132 0.0 65.5 121.6#
130 0.0 69.4 128.8#

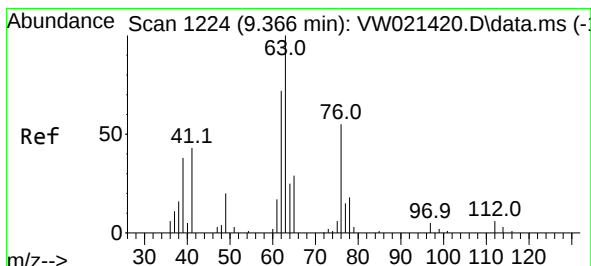
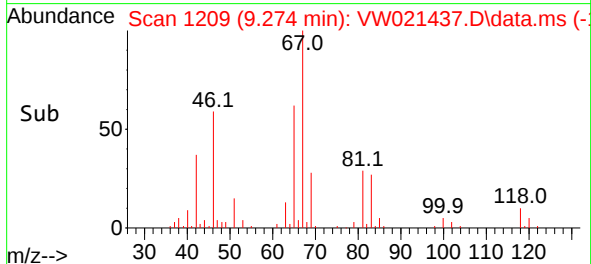
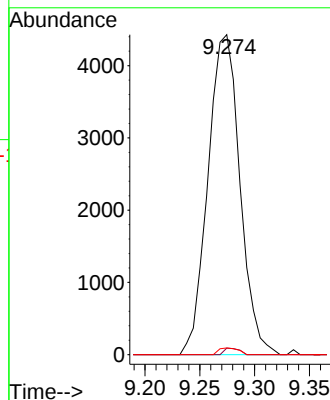
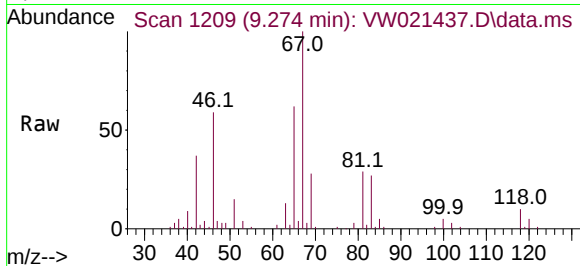




#35
Methylcyclohexane
Concen: 3.749 ug/L
RT: 9.274 min Scan# 11
Delta R.T. -0.061 min
Lab File: VW021437.D
Acq: 17 Dec 2021 17:43

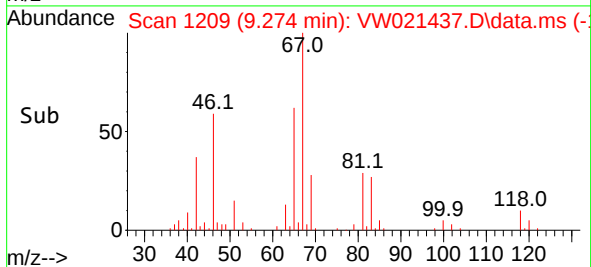
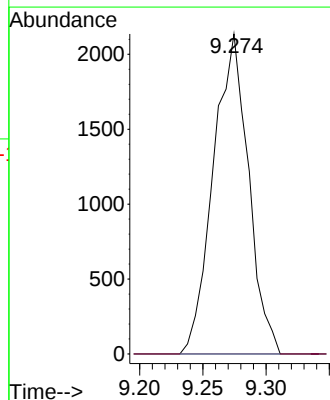
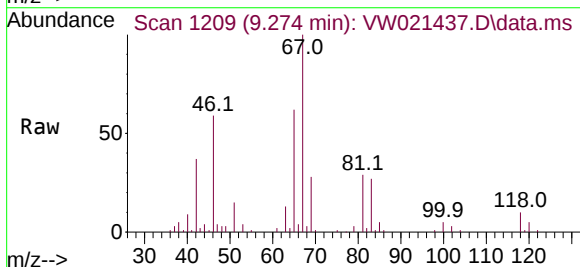
Instrument :
MSVOA_W
ClientSampleId :

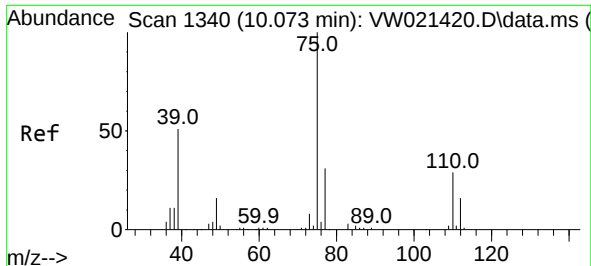
Tgt Ion: 83 Resp: 9003
Ion Ratio Lower Upper
83 100
55 1.0 70.8 106.2#
98 1.3 37.7 56.5#



#37
1,2-Dichloropropane
Concen: 3.569 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.091 min
Lab File: VW021437.D
Acq: 17 Dec 2021 17:43

Tgt Ion: 63 Resp: 4128
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.622 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021437.D

Acq: 17 Dec 2021 17:43

Instrument :

MSVOA_W

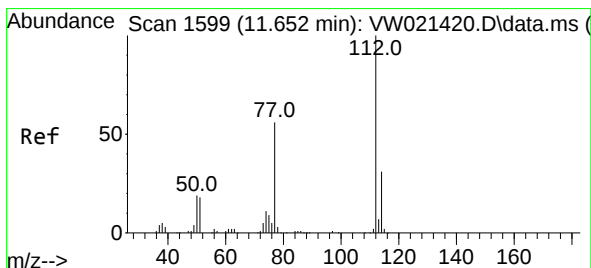
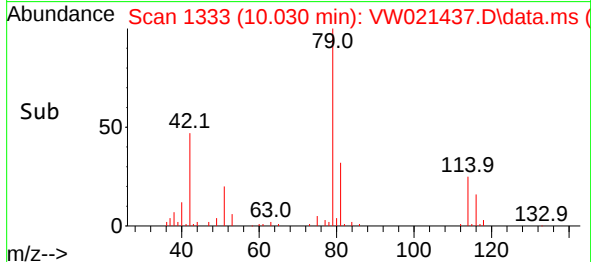
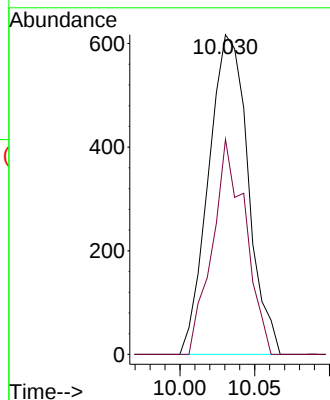
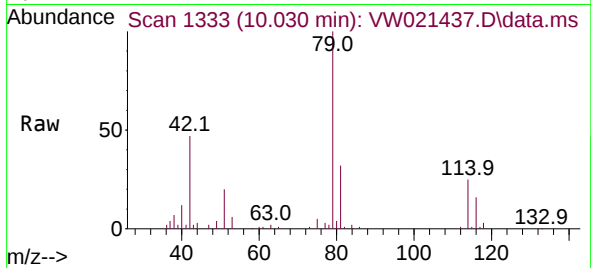
ClientSampleId :

Tgt Ion: 75 Resp: 1134

Ion Ratio Lower Upper

75 100

77 67.3 21.8 40.6#



#51

Chlorobenzene

Concen: 0.550 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW021437.D

Acq: 17 Dec 2021 17:43

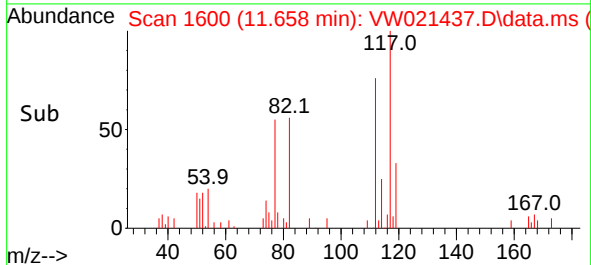
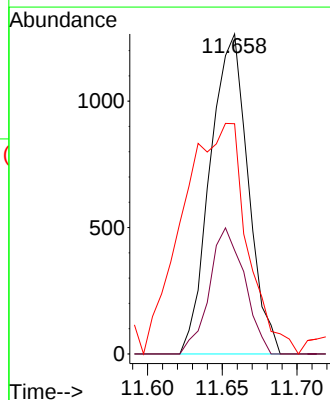
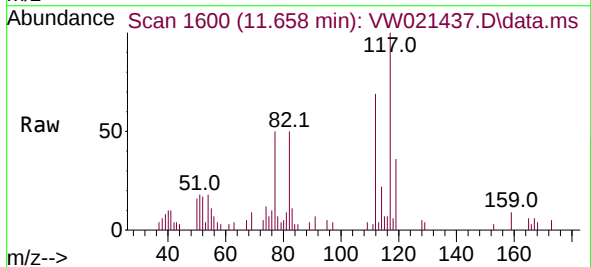
Tgt Ion: 112 Resp: 2232

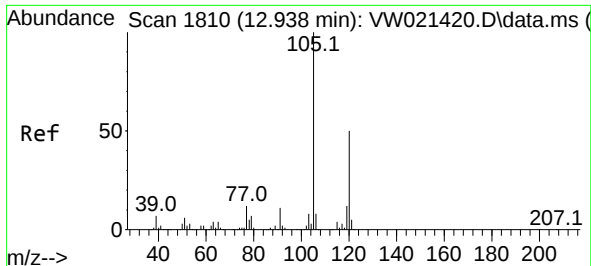
Ion Ratio Lower Upper

112 100

114 32.4 22.4 41.6

77 72.0 50.2 75.4





#62

1,3,5-Trimethylbenzene

Concen: 0.631 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.311 min

Lab File: VW021437.D

Acq: 17 Dec 2021 17:43

Instrument :

MSVOA_W

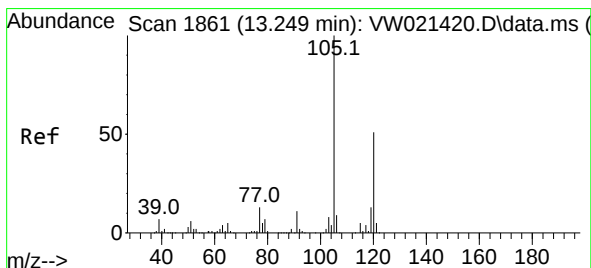
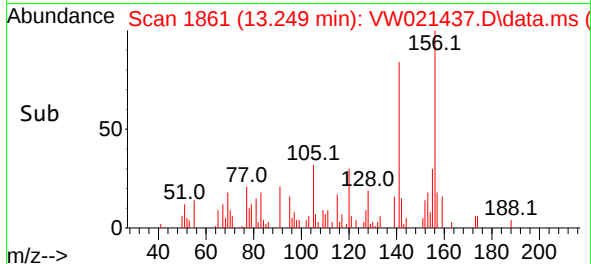
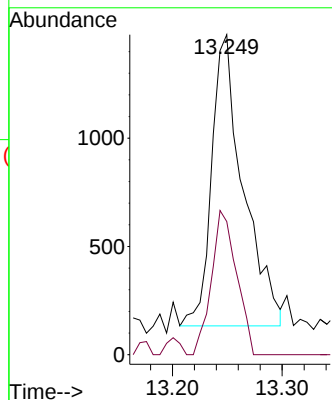
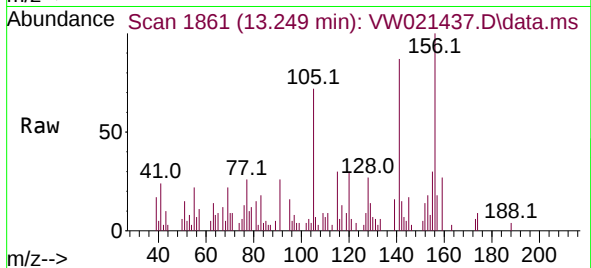
ClientSampleId :

Tgt Ion:105 Resp: 2704

Ion Ratio Lower Upper

105 100

120 39.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 0.640 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW021437.D

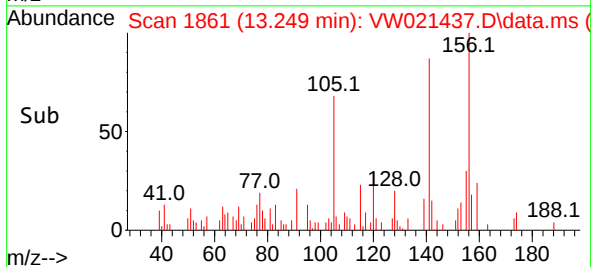
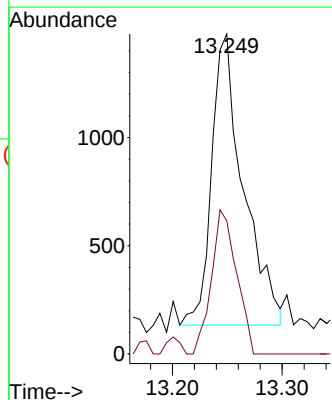
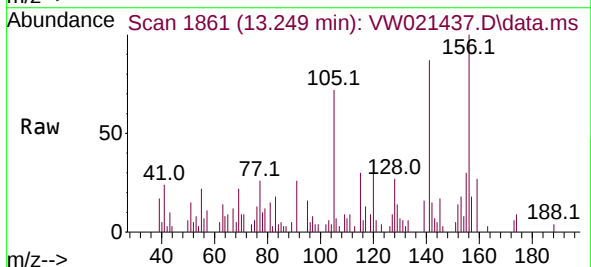
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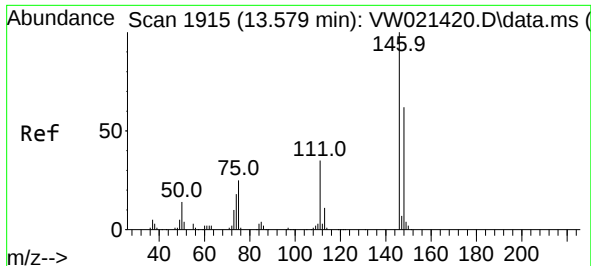
Tgt Ion:105 Resp: 2704

Ion Ratio Lower Upper

105 100

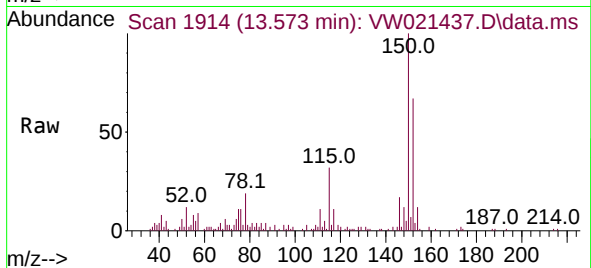
120 39.2 35.0 52.6



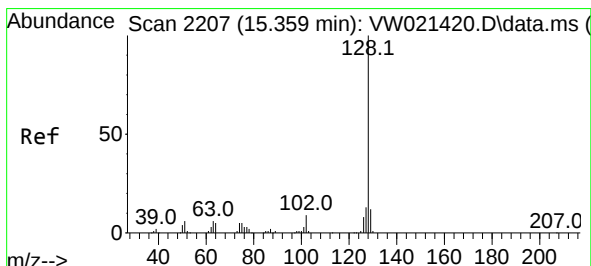
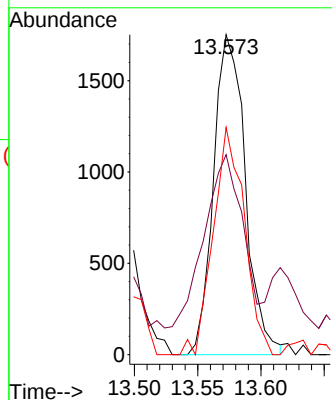
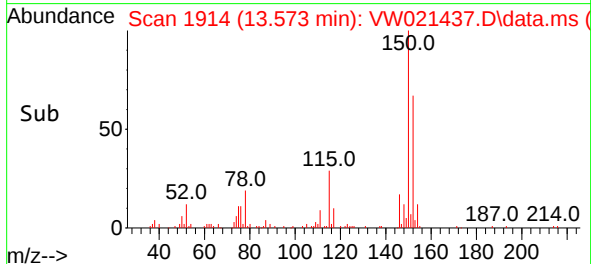


#65
1,4-Dichlorobenzene
Concen: 1.293 ug/L
RT: 13.573 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW021437.D
Acq: 17 Dec 2021 17:43

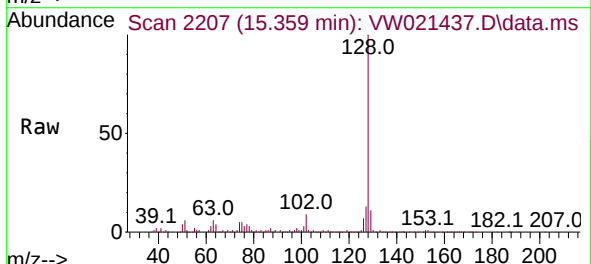
Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:146 Resp: 3051
Ion Ratio Lower Upper
146 100
111 62.5 29.0 53.9#
148 71.0 46.9 87.1



#71
Naphthalene
Concen: 34.801 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VW021437.D
Acq: 17 Dec 2021 17:43



Tgt Ion:128 Resp: 80725
Ion Ratio Lower Upper
128 100
127 13.8 10.7 16.1
129 11.2 8.6 12.8

