

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021070.D
 Acq On : 03 Dec 2021 17:40
 Operator : SY/VA
 Sample : M4881-09RE
 Misc : 4.01g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 04 01:40:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 01:31:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	46933	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	21319	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	4155	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	13530	20.691	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.760%
7) Chloroethane-d5	2.885	69	12480	28.510	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.040%
11) 1,1-Dichloroethene-d2	4.019	63	17216	16.481	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.920%
21) 2-Butanone-d5	7.086	46	11878	79.637	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	159.280%#
24) Chloroform-d	7.653	84	41817	35.578	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	142.320%
26) 1,2-Dichloroethane-d4	8.305	65	20797	32.343	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	129.360%
32) Benzene-d6	8.275	84	60364	55.377	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	221.520%#
36) 1,2-Dichloropropane-d6	9.274	67	23200	76.587	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	306.360%#
41) Toluene-d8	10.323	98	39850	35.653	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	142.600%#
43) trans-1,3-Dichloroprop...	10.579	79	3620	26.318	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.280%
47) 2-Hexanone-d5	10.927	63	6084	104.974	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	209.940%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	12266	43.768	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	175.080%#
66) 1,2-Dichlorobenzene-d4	13.853	152	3587	24.094	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.360%
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	1454	10.702	ug/L	71
14) Carbon disulfide	4.379	76	2258	1.335	ug/L	# 90
16) Methylene chloride	4.922	84	6210	8.399	ug/L	85
22) 2-Butanone	7.141	43	1409	7.494	ug/L	# 52
27) 1,2-Dichloroethane	8.397	62	4278	5.664	ug/L	# 93
29) Cyclohexane	7.958	56	547	1.163	ug/L	# 55
33) Benzene	8.323	78	1885	1.555	ug/L	100
34) Trichloroethene	8.842	95	1405	4.201	ug/L	# 5
35) Methylcyclohexane	9.342	83	2178	3.869	ug/L	90
37) 1,2-Dichloropropane	9.281	63	3001	10.952	ug/L	# 88
39) cis-1,3-Dichloropropene	10.037	75	434	0.979	ug/L	# 69
40) 4-Methyl-2-pentanone	10.213	43	621	3.327	ug/L	# 95
42) Toluene	10.390	91	10416	7.522	ug/L	98
45) 1,1,2-Trichloroethane	10.762	97	202	0.879	ug/L	# 14
46) Tetrachloroethene	10.866	164	222	0.725	ug/L	82
48) 2-Hexanone	10.957	43	317	2.354	ug/L	# 41
52) Ethylbenzene	11.731	91	2404	1.542	ug/L	85
53) m,p-Xylene	11.835	106	3624	5.620	ug/L	84
54) o-Xylene	12.164	106	1917	3.153	ug/L	84

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 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 01:31:24 2021
 Response via : Initial Calibration

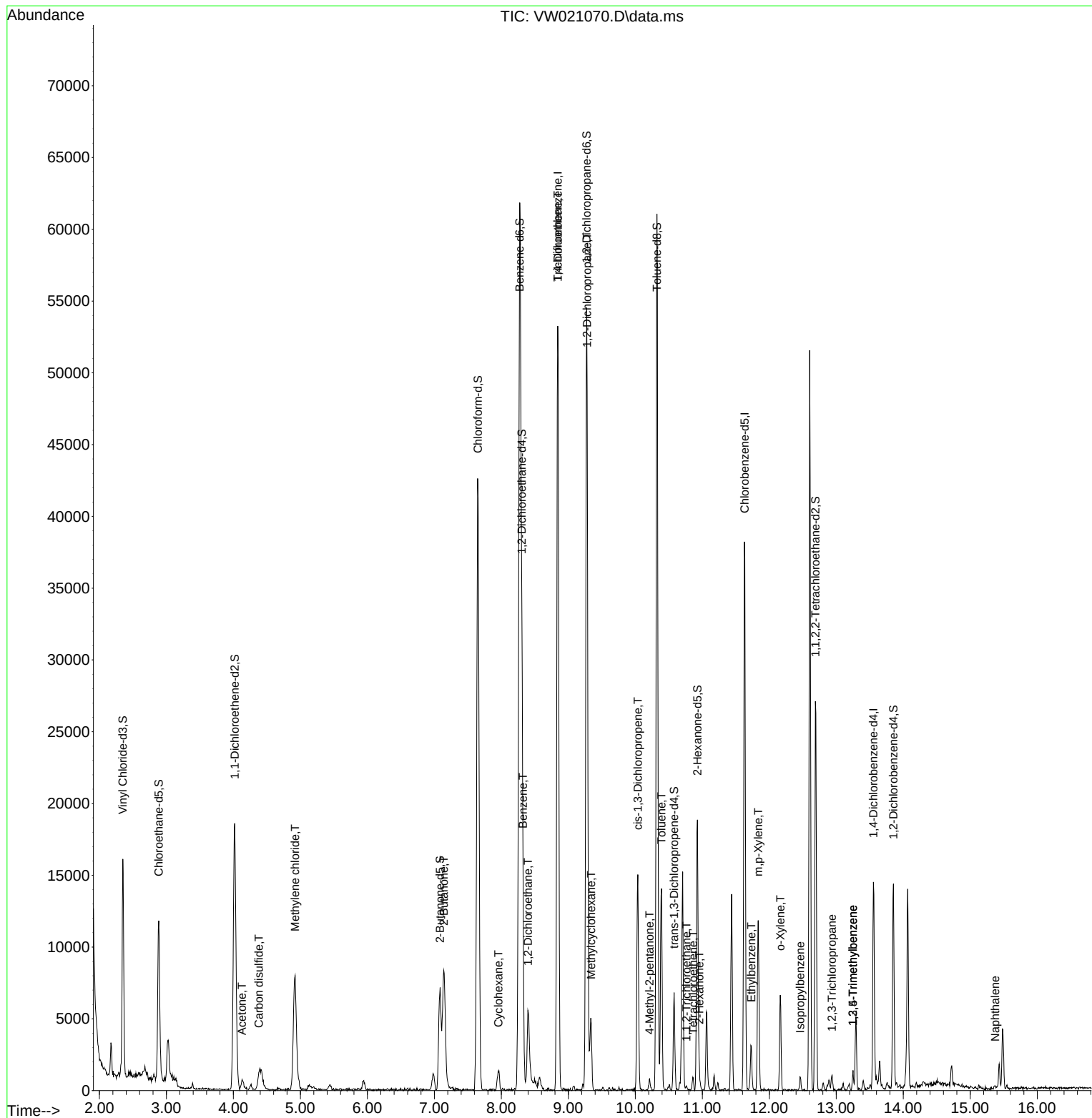
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	12.463	105	717	1.242	ug/L #	92
61) 1,2,3-Trichloropropane	12.932	75	134	1.925	ug/L #	40
62) 1,3,5-Trimethylbenzene	13.249	105	995	2.058	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	995	2.046	ug/L	98
71) Naphthalene	15.371	128	287	0.940	ug/L #	69

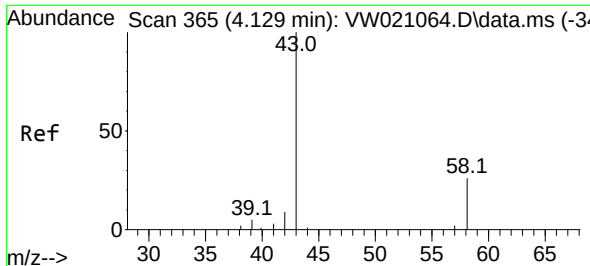
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

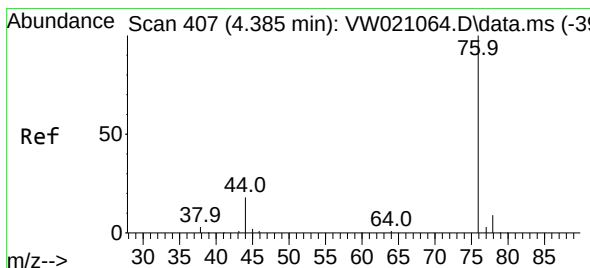
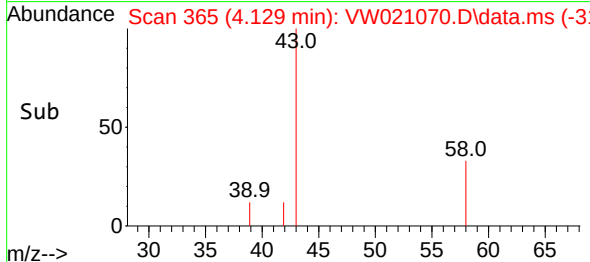
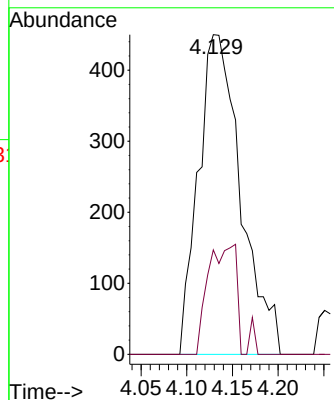
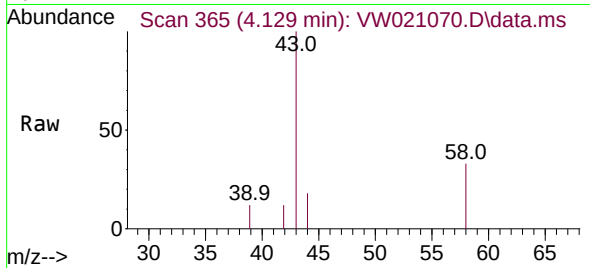




#13
Acetone
Concen: 10.702 ug/L
RT: 4.129 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

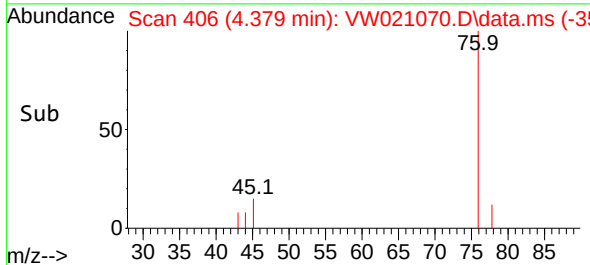
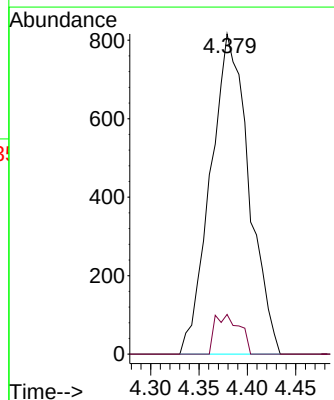
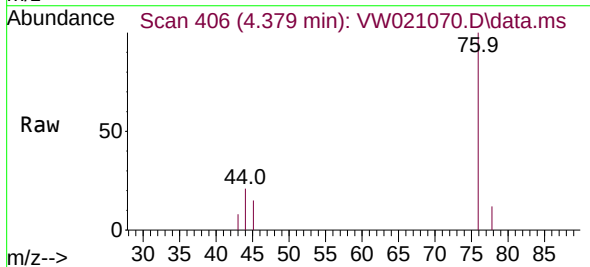
Instrument :
MSVOA_W
ClientSampleId :

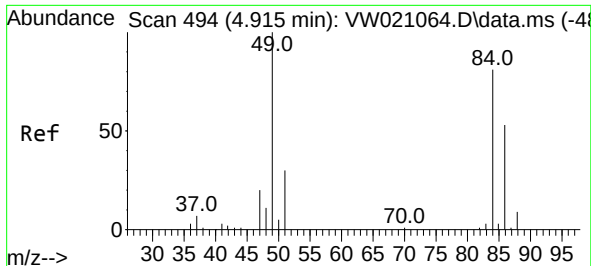
Tgt Ion: 43 Resp: 1454
Ion Ratio Lower Upper
43 100
58 11.4 0.0 52.8



#14
Carbon disulfide
Concen: 1.335 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Tgt Ion: 76 Resp: 2258
Ion Ratio Lower Upper
76 100
78 12.4 7.1 10.7#

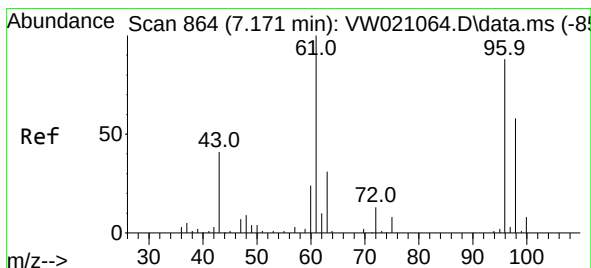
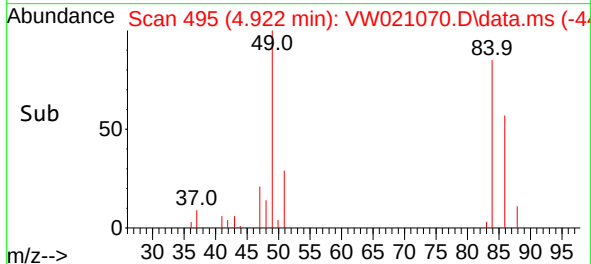
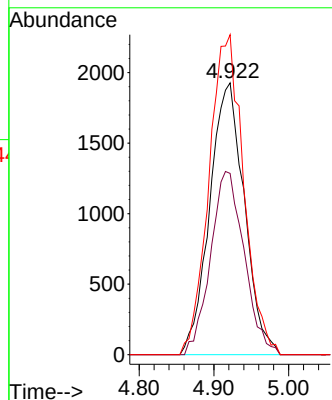
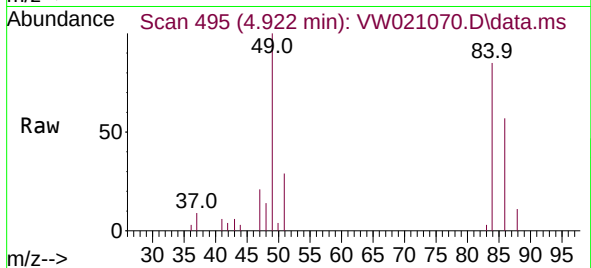




#16
Methylene chloride
Concen: 8.399 ug/L
RT: 4.922 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

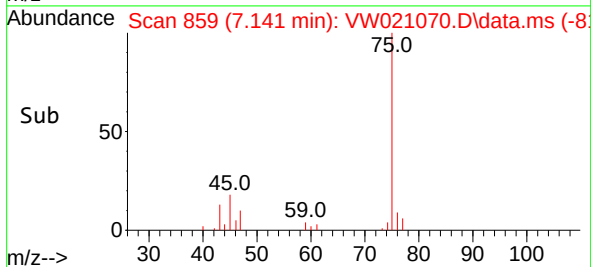
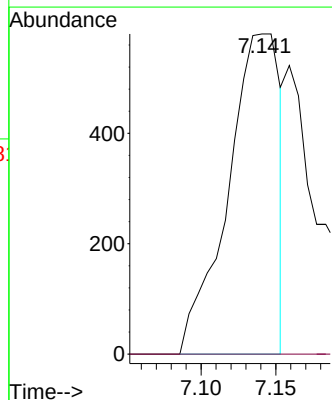
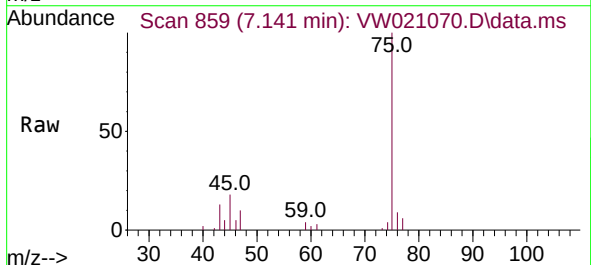
Instrument :
MSVOA_W
ClientSampleId :

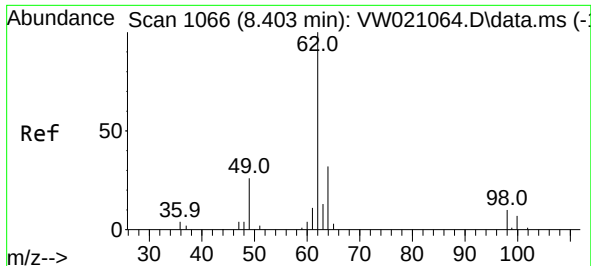
Tgt Ion: 84 Resp: 6210
Ion Ratio Lower Upper
84 100
86 66.7 45.5 84.5
49 117.7 100.5 186.7



#22
2-Butanone
Concen: 7.494 ug/L
RT: 7.141 min Scan# 859
Delta R.T. -0.030 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Tgt Ion: 43 Resp: 1409
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#





#27

1,2-Dichloroethane

Concen: 5.664 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VW021070.D

Acq: 03 Dec 2021 17:40

Instrument :

MSVOA_W

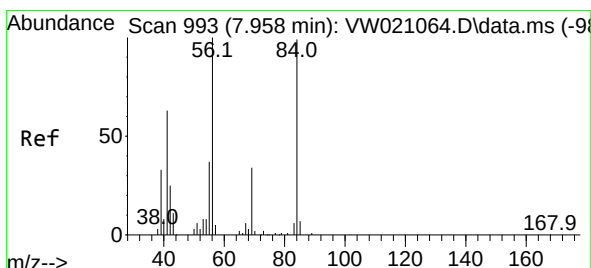
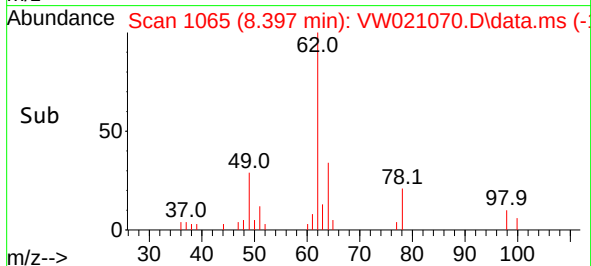
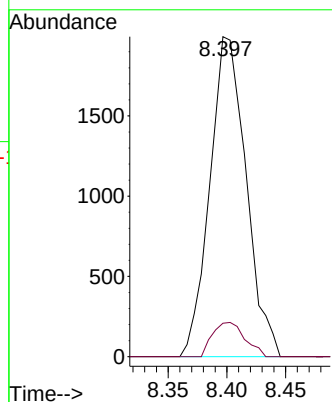
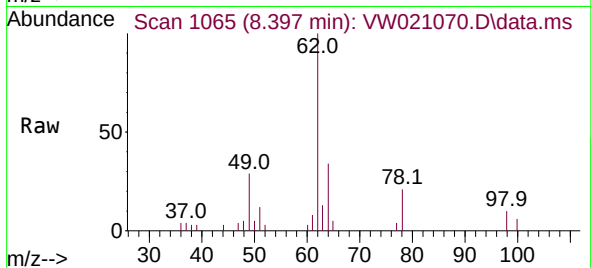
ClientSampleId :

Tgt Ion: 62 Resp: 4278

Ion Ratio Lower Upper

62 100

98 10.4 6.5 9.7#



#29

Cyclohexane

Concen: 1.163 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW021070.D

Acq: 03 Dec 2021 17:40

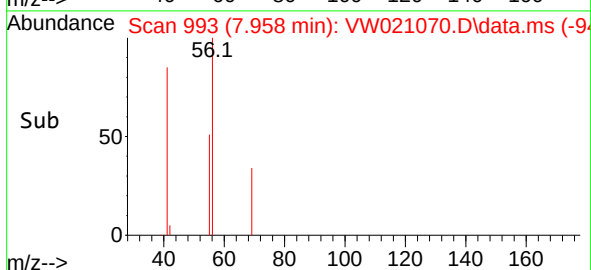
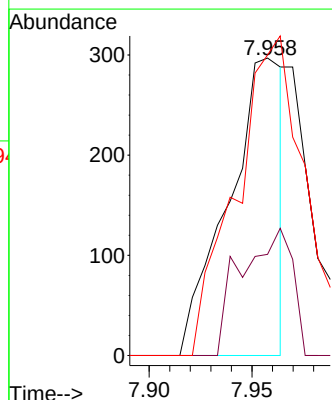
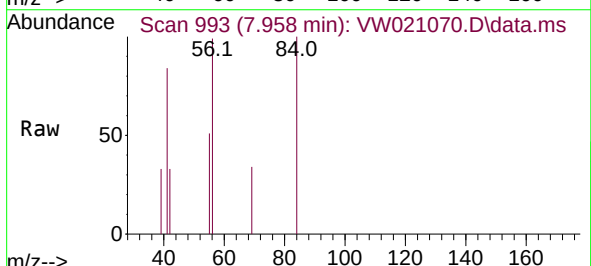
Tgt Ion: 56 Resp: 547

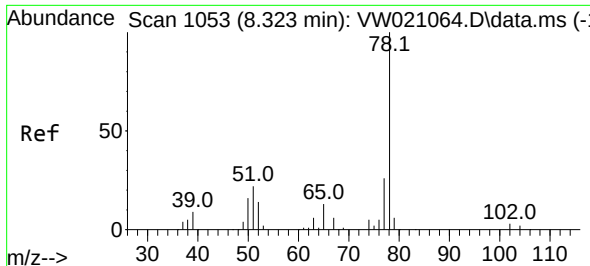
Ion Ratio Lower Upper

56 100

69 28.3 23.5 35.3

84 132.9 63.4 95.2#

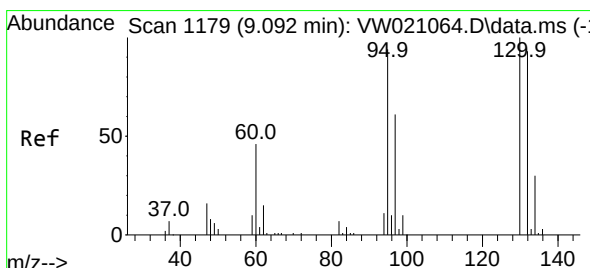
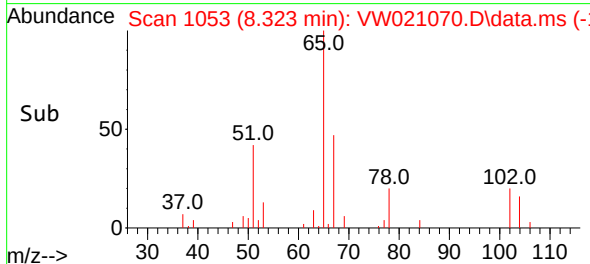
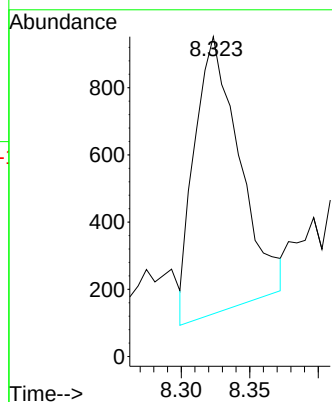
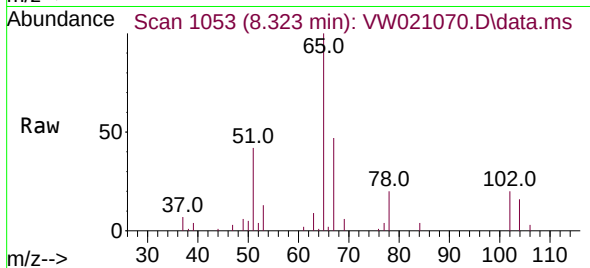




#33
Benzene
Concen: 1.555 ug/L
RT: 8.323 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Instrument :
MSVOA_W
ClientSampleId :

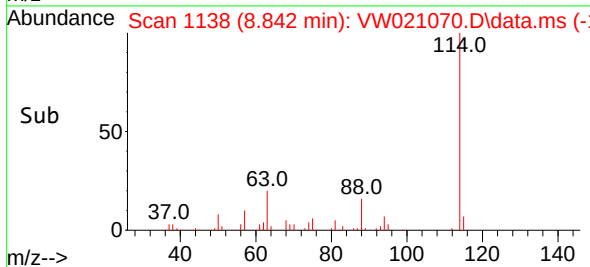
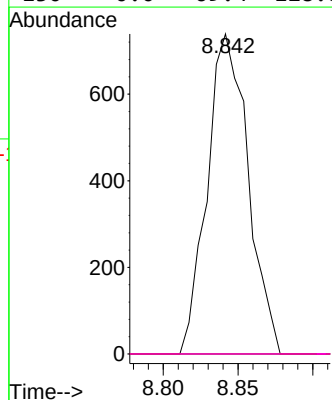
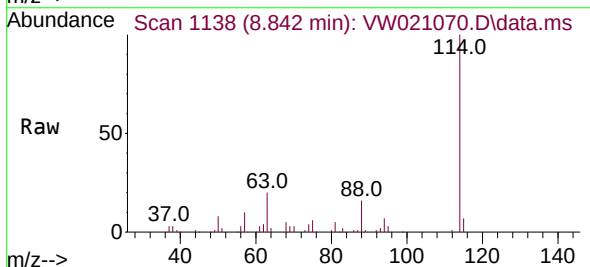
Tgt Ion: 78 Resp: 1885

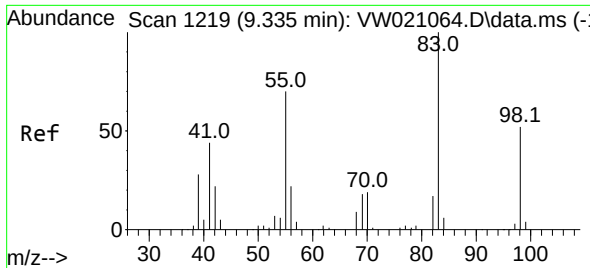


#34
Trichloroethene
Concen: 4.201 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Tgt Ion: 95 Resp: 1405

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#

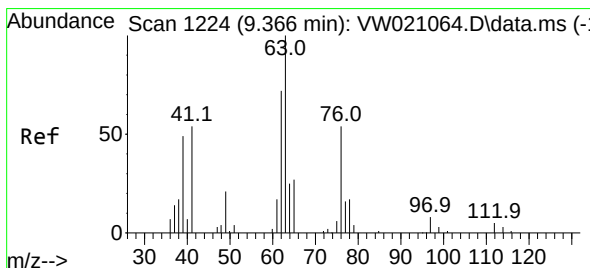
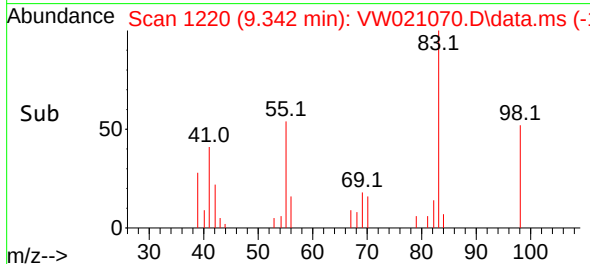
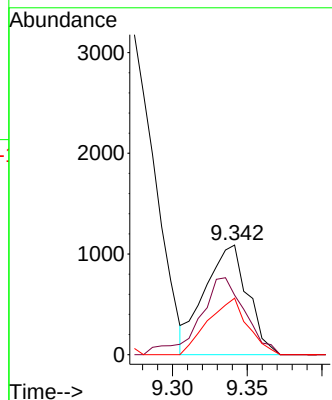
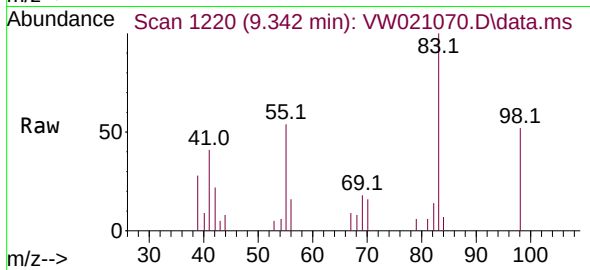




#35
Methylcyclohexane
Concen: 3.869 ug/L
RT: 9.342 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

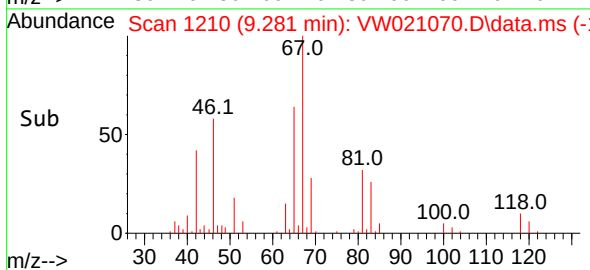
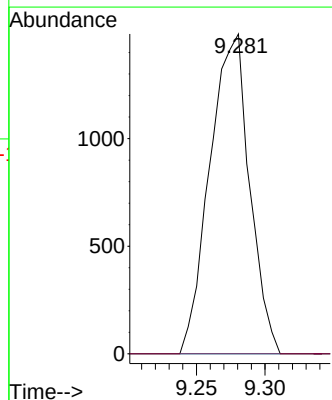
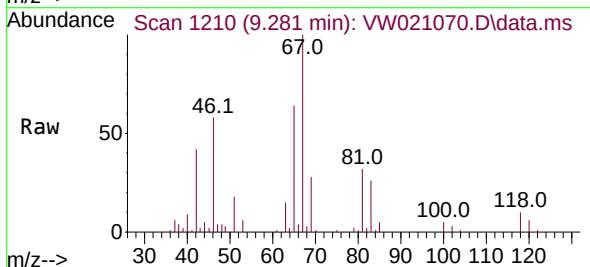
Instrument :
MSVOA_W
ClientSampleId :

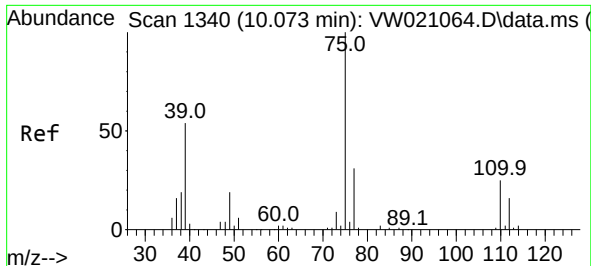
Tgt Ion: 83 Resp: 2178
Ion Ratio Lower Upper
83 100
55 74.0 70.8 106.2
98 47.7 37.7 56.5



#37
1,2-Dichloropropane
Concen: 10.952 ug/L
RT: 9.281 min Scan# 1210
Delta R.T. -0.085 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Tgt Ion: 63 Resp: 3001
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.979 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021070.D

Acq: 03 Dec 2021 17:40

Instrument :

MSVOA_W

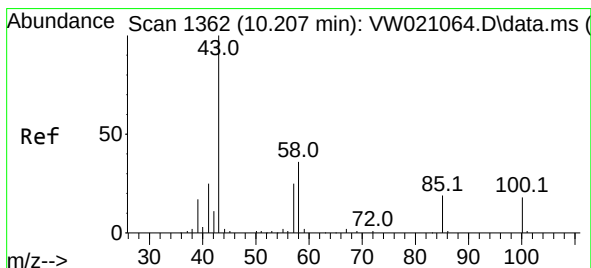
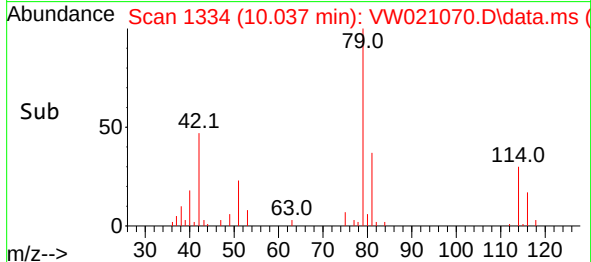
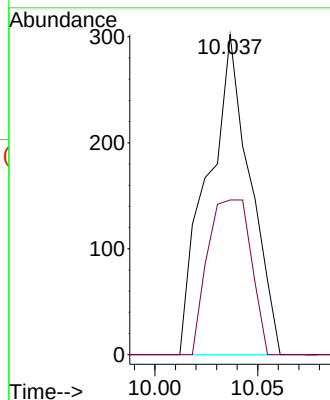
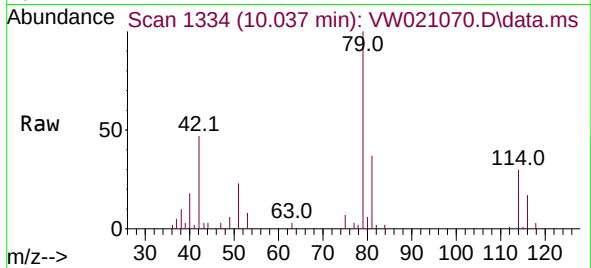
ClientSampleId :

Tgt Ion: 75 Resp: 434

Ion Ratio Lower Upper

75 100

77 48.3 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 3.327 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW021070.D

Acq: 03 Dec 2021 17:40

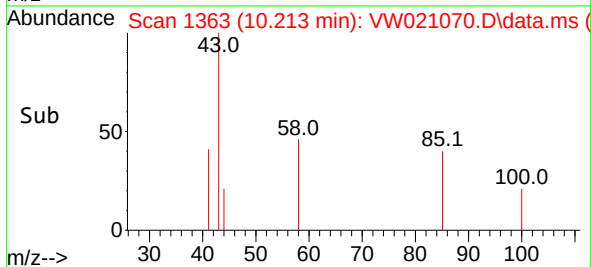
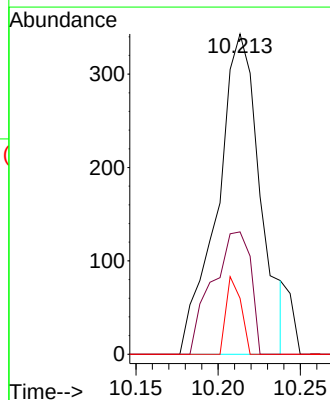
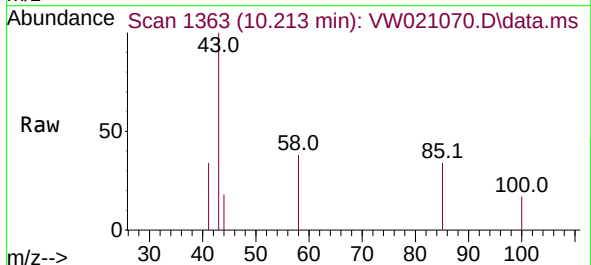
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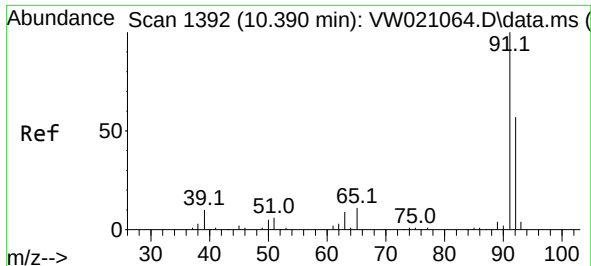
Ion Ratio Lower Upper

43 100

58 34.0 28.8 43.2

100 8.4 10.0 15.0#

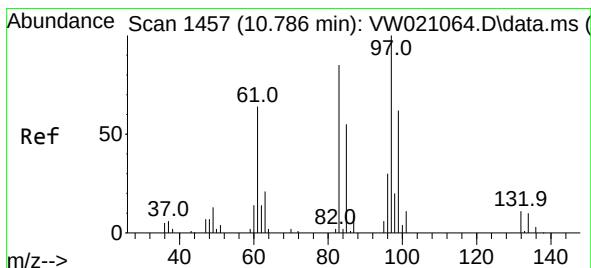
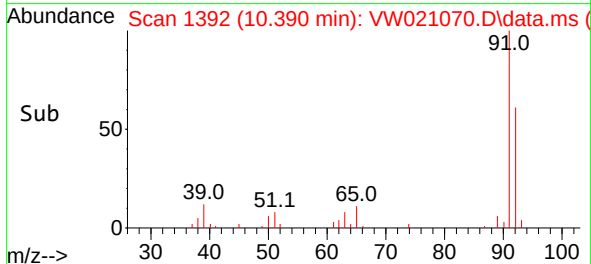
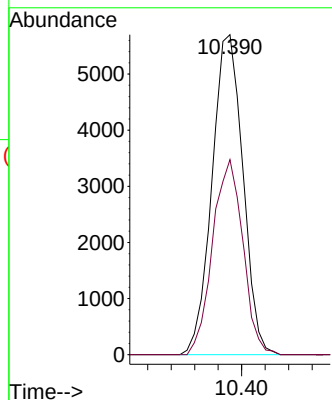
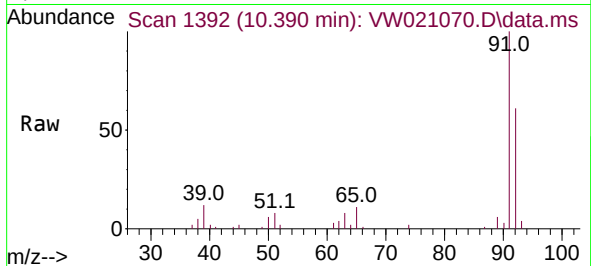




#42
Toluene
Concen: 7.522 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

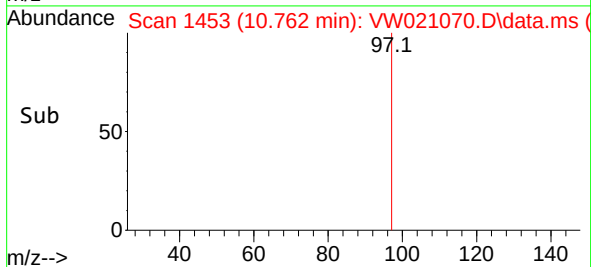
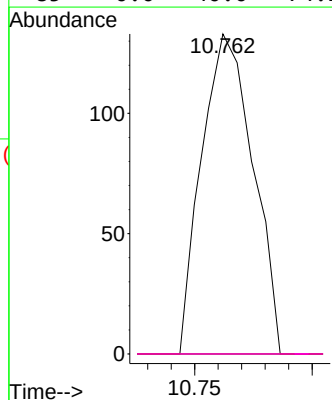
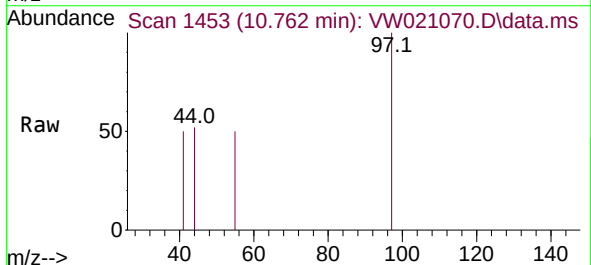
Instrument :
MSVOA_W
ClientSampleId :

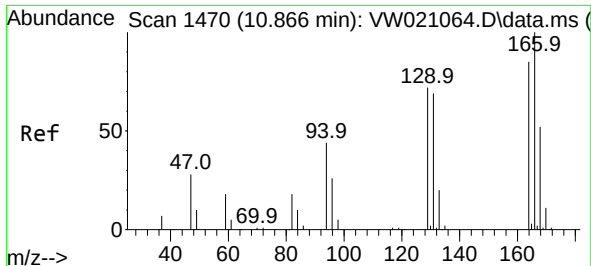
Tgt Ion: 91 Resp: 10416
Ion Ratio Lower Upper
91 100
92 60.9 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 0.879 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

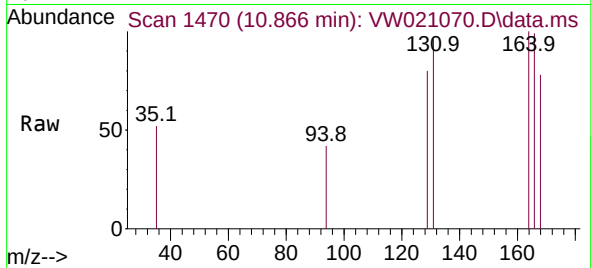
Tgt Ion: 97 Resp: 202
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 0.0 62.6 116.3#
85 0.0 40.0 74.2#





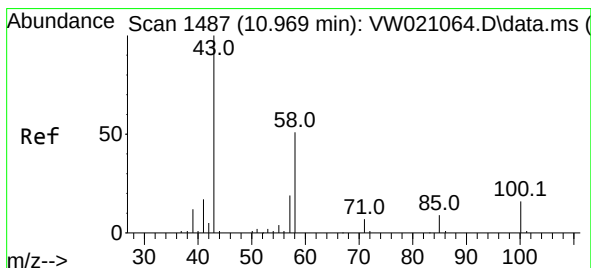
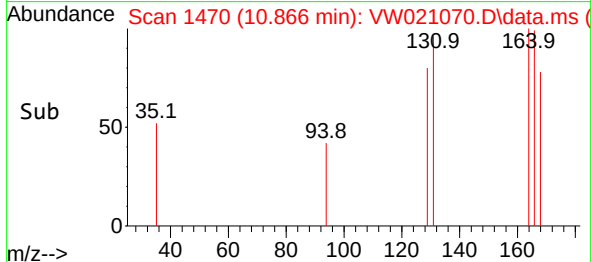
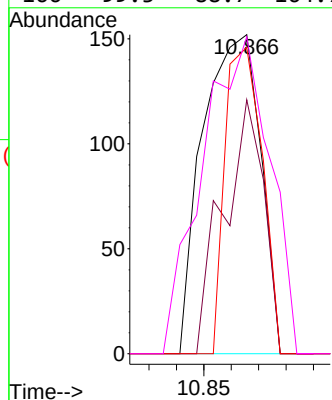
#46
Tetrachloroethene
Concen: 0.725 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:164 Resp: 222

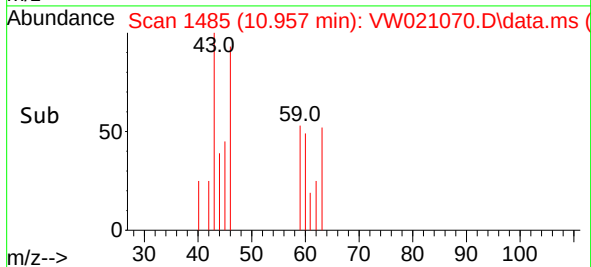
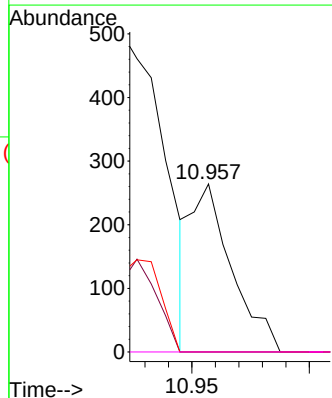
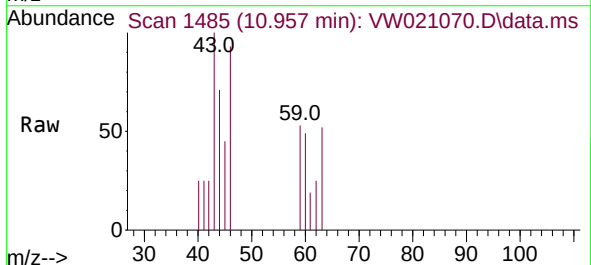
Ion	Ratio	Lower	Upper
164	100		
129	79.6	65.5	121.7
131	96.1	59.7	110.9
166	99.3	88.7	164.7

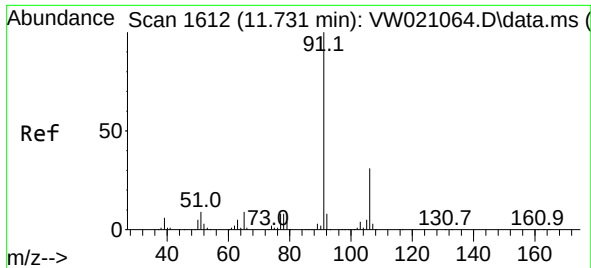


#48
2-Hexanone
Concen: 2.354 ug/L
RT: 10.957 min Scan# 1485
Delta R.T. -0.012 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Tgt Ion: 43 Resp: 317

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.2	60.2#
57	0.0	14.3	21.5#
100	0.0	8.0	12.0#

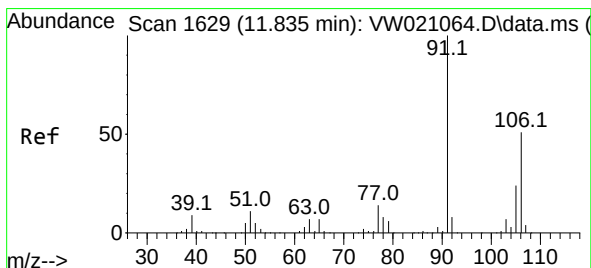
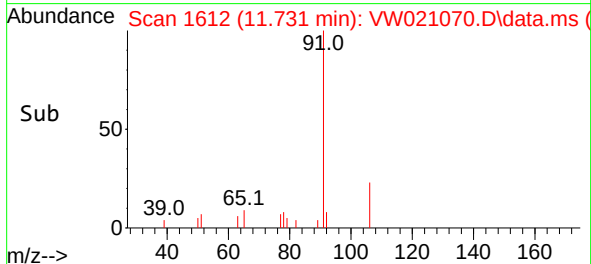
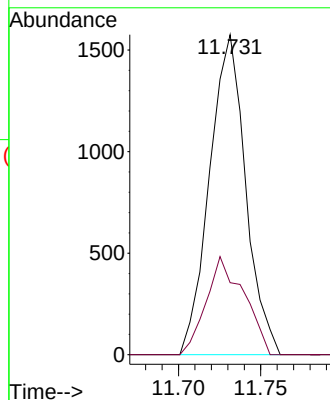
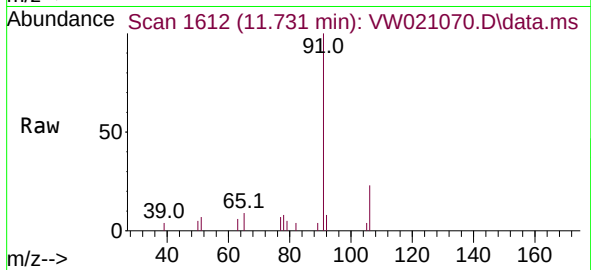




#52
Ethylbenzene
Concen: 1.542 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

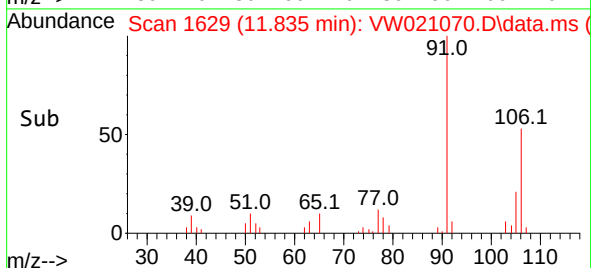
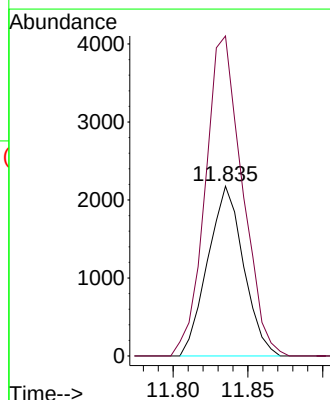
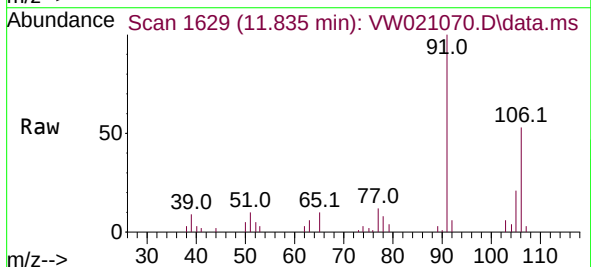
Instrument :
MSVOA_W
ClientSampleId :

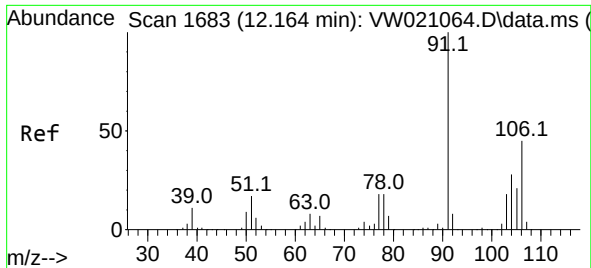
Tgt Ion: 91 Resp: 2404
Ion Ratio Lower Upper
91 100
106 22.5 21.5 39.9



#53
m,p-Xylene
Concen: 5.620 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Tgt Ion: 106 Resp: 3624
Ion Ratio Lower Upper
106 100
91 188.5 149.9 278.3

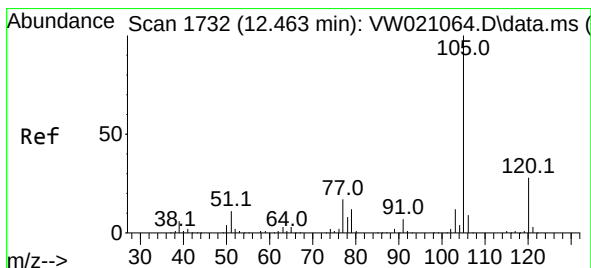
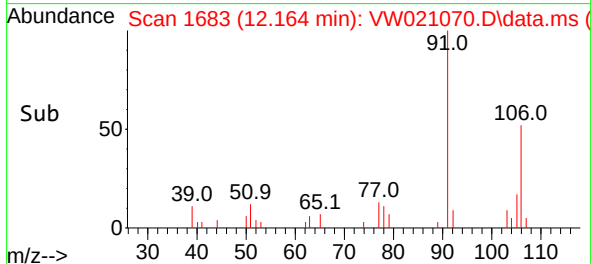
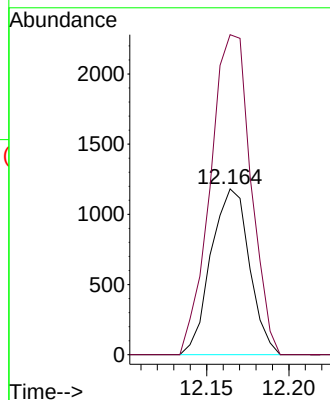
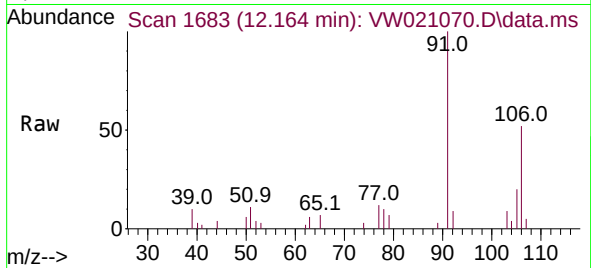




#54
o-Xylene
Concen: 3.153 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

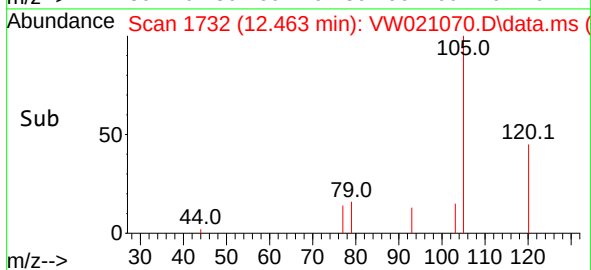
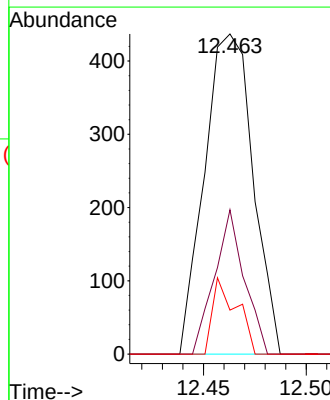
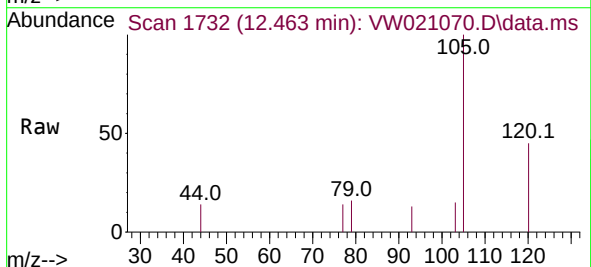
Instrument :
MSVOA_W
ClientSampleId :

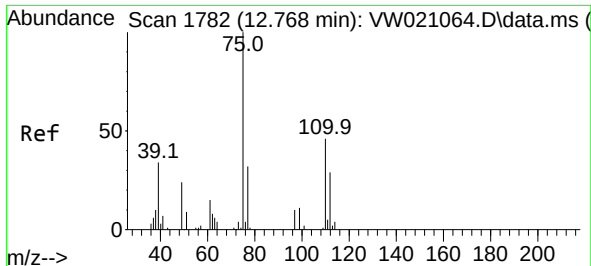
Tgt Ion:106 Resp: 1917
Ion Ratio Lower Upper
106 100
91 193.1 153.6 285.3



#60
Isopropylbenzene
Concen: 1.242 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

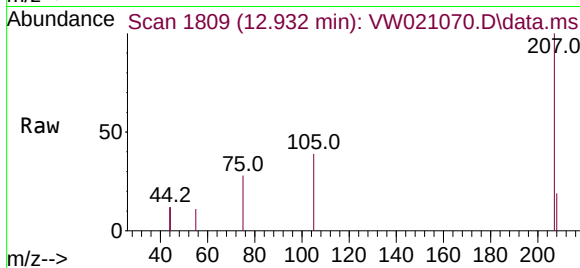
Tgt Ion:105 Resp: 717
Ion Ratio Lower Upper
105 100
120 27.8 20.1 30.1
77 11.9 13.8 20.8#



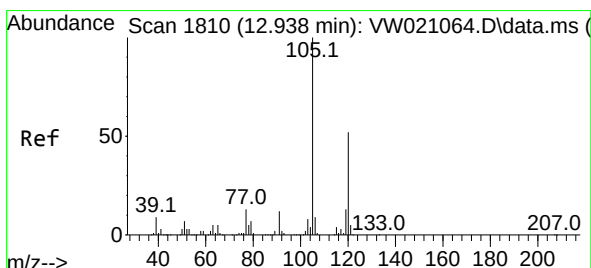
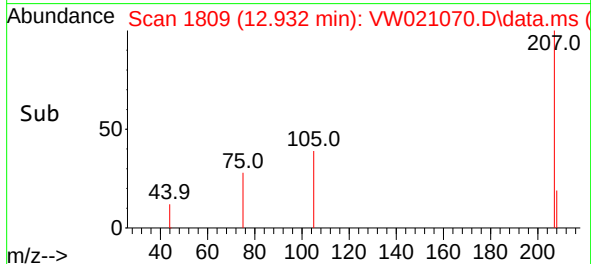
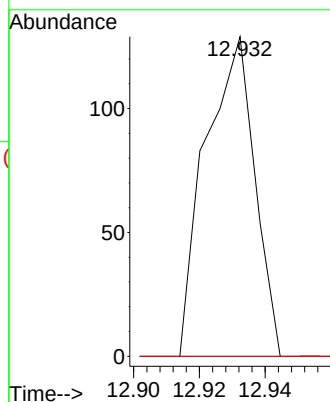


#61
1,2,3-Trichloropropane
Concen: 1.925 ug/L
RT: 12.932 min Scan# 1809
Delta R.T. 0.165 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Instrument :
MSVOA_W
ClientSampleId :

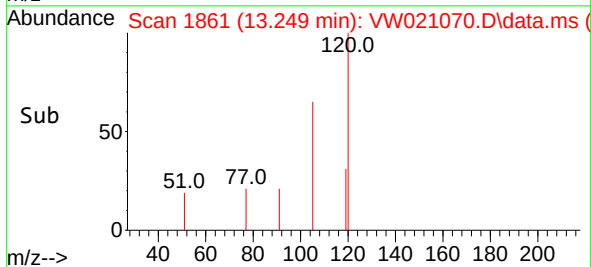
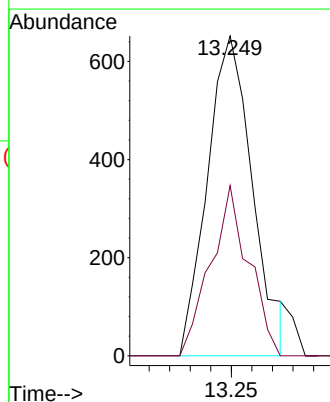
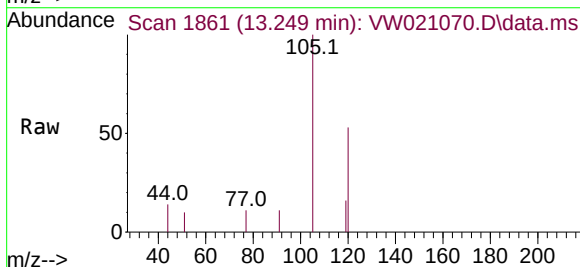


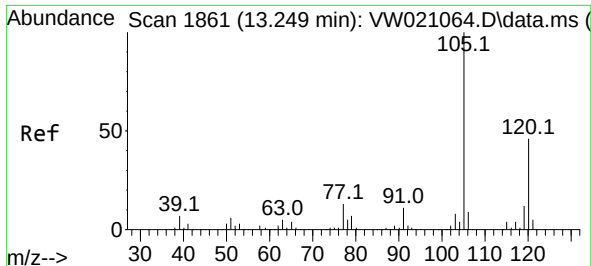
Tgt Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#
110 0.0 29.0 43.4#



#62
1,3,5-Trimethylbenzene
Concen: 2.058 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.311 min
Lab File: VW021070.D
Acq: 03 Dec 2021 17:40

Tgt Ion: 105 Resp: 995
Ion Ratio Lower Upper
105 100
120 45.0 37.4 56.2





#63

1,2,4-Trimethylbenzene

Concen: 2.046 ug/L

RT: 13.249 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW021070.D

Acq: 03 Dec 2021 17:40

Instrument :

MSVOA_W

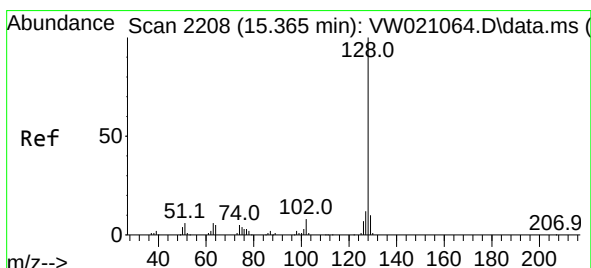
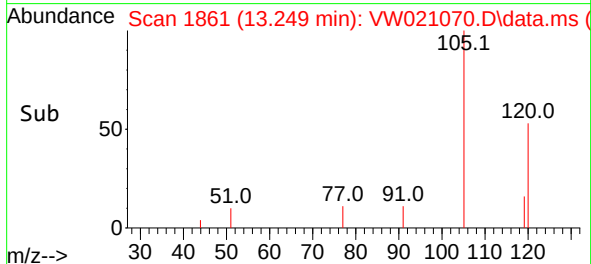
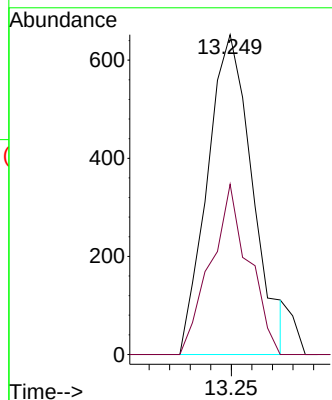
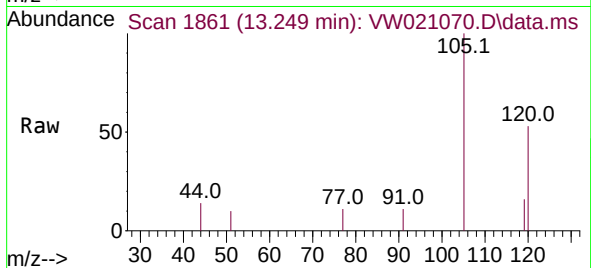
ClientSampleId :

Tgt Ion:105 Resp: 995

Ion Ratio Lower Upper

105 100

120 45.0 35.0 52.6



#71

Naphthalene

Concen: 0.940 ug/L

RT: 15.371 min Scan# 2209

Delta R.T. 0.006 min

Lab File: VW021070.D

Acq: 03 Dec 2021 17:40

Tgt Ion:128 Resp: 287

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.6 12.8#

