

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021067.D
 Acq On : 03 Dec 2021 16:28
 Operator : SY/VA
 Sample : M4881-05RE
 Misc : 3.92g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 04 01:39:26 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	8.848	114	22429	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	12789	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	2749	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	4133	13.226	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.920%
7) Chloroethane-d5	2.885	69	4949	23.658	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.640%
11) 1,1-Dichloroethene-d2	4.013	63	6536	13.092	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.360%
21) 2-Butanone-d5	7.080	46	4701	65.952	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.900%
24) Chloroform-d	7.647	84	17862	31.800	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	127.200%
26) 1,2-Dichloroethane-d4	8.305	65	10016	32.594	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	130.360%#
32) Benzene-d6	8.275	84	25597	39.144	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	156.560%#
36) 1,2-Dichloropropane-d6	9.274	67	10378	57.110	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	228.440%#
41) Toluene-d8	10.323	98	17384	25.927	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.720%
43) trans-1,3-Dichloroprop...	10.579	79	1941	23.523	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.080%
47) 2-Hexanone-d5	10.920	63	2917	83.899	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	167.800%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	6677	39.716	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	158.880%#
66) 1,2-Dichlorobenzene-d4	13.853	152	2353	23.889	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.560%
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	910	14.015	ug/L	75
14) Carbon disulfide	4.385	76	765	0.947	ug/L	# 75
15) Methyl Acetate	4.409	43	171	1.453	ug/L	# 56
16) Methylene chloride	4.915	84	2946	8.337	ug/L	79
22) 2-Butanone	7.147	43	1171	13.032	ug/L	# 52
27) 1,2-Dichloroethane	8.403	62	626	1.734	ug/L	# 77
34) Trichloroethene	8.842	95	650	3.240	ug/L	# 5
35) Methylcyclohexane	9.335	83	581	1.720	ug/L	# 73
37) 1,2-Dichloropropane	9.274	63	1369	8.329	ug/L	# 88
39) cis-1,3-Dichloropropene	10.043	75	214	0.805	ug/L	96
40) 4-Methyl-2-pentanone	10.207	43	281	2.509	ug/L	# 76
42) Toluene	10.390	91	1710	2.059	ug/L	88
46) Tetrachloroethene	10.866	164	104	0.566	ug/L	# 69
48) 2-Hexanone	10.951	43	414	5.125	ug/L	# 41
53) m,p-Xylene	11.835	106	484	1.251	ug/L	86
54) o-Xylene	12.164	106	260	0.713	ug/L	# 51
60) Isopropylbenzene	12.469	105	165	0.432	ug/L	# 54
61) 1,2,3-Trichloropropane	12.603	75	292	6.341	ug/L	# 40
62) 1,3,5-Trimethylbenzene	12.932	105	162	0.506	ug/L	# 75

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 Response via : Initial Calibration

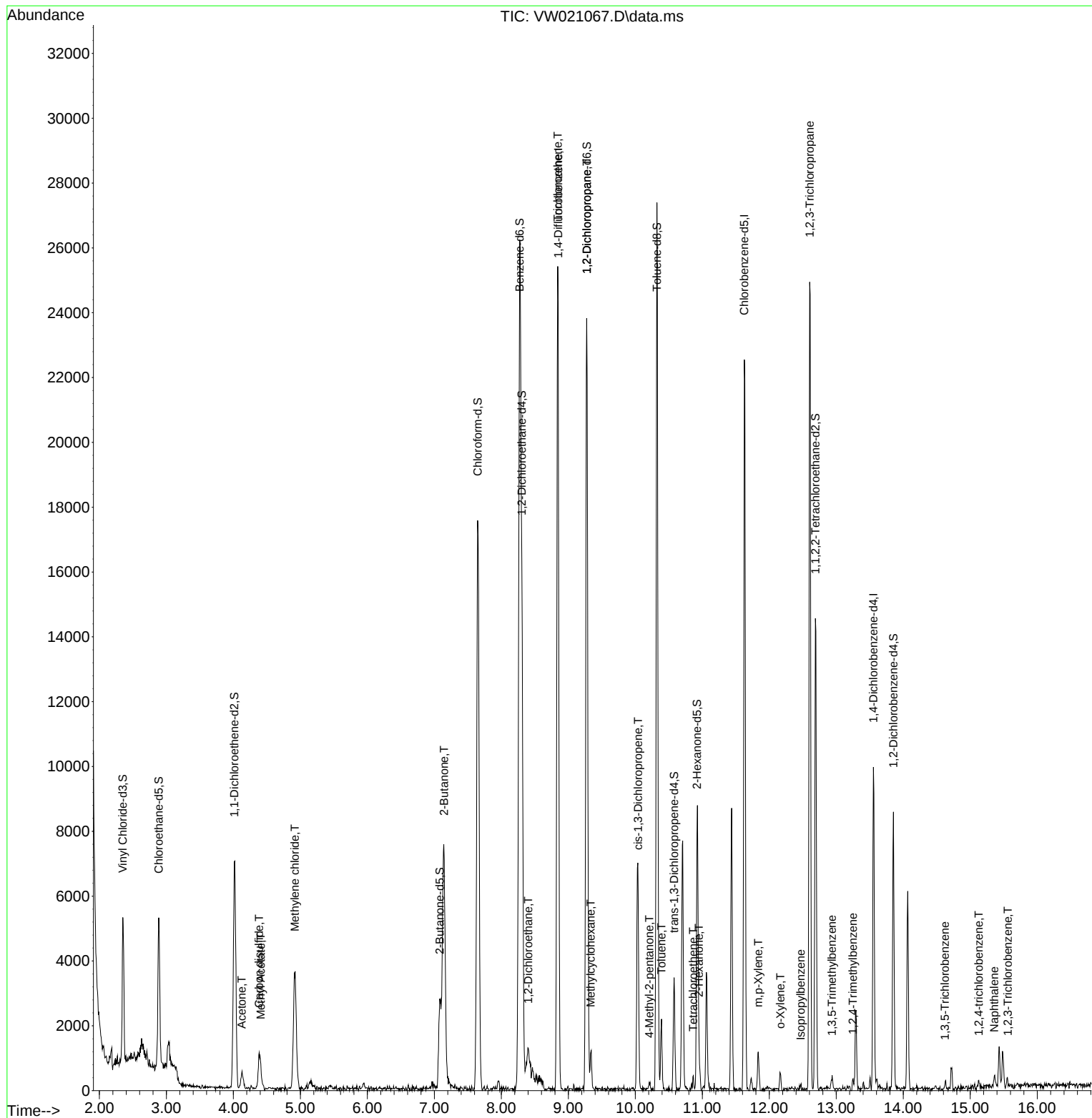
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.249	105	335	1.041	ug/L #	62
69) 1,3,5-Trichlorobenzene	14.621	180	91	0.688	ug/L #	55
70) 1,2,4-trichlorobenzene	15.127	180	128	1.178	ug/L #	61
71) Naphthalene	15.359	128	444	2.198	ug/L #	69
72) 1,2,3-Trichlorobenzene	15.560	180	146	1.540	ug/L #	75

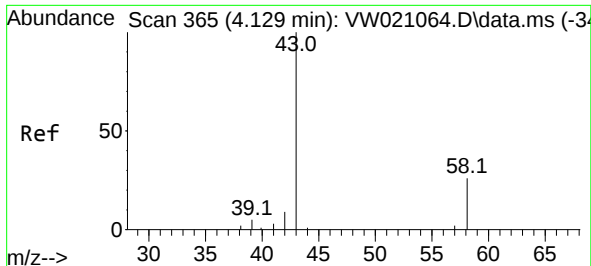
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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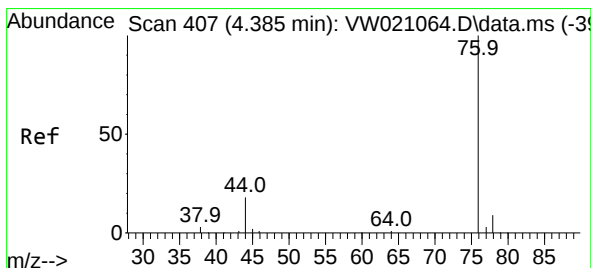
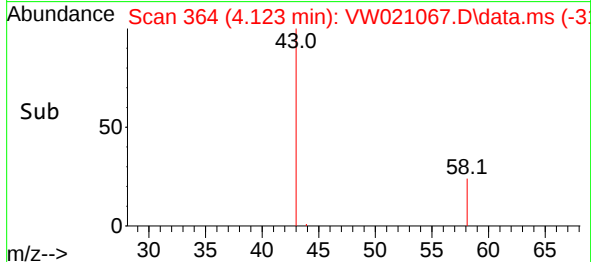
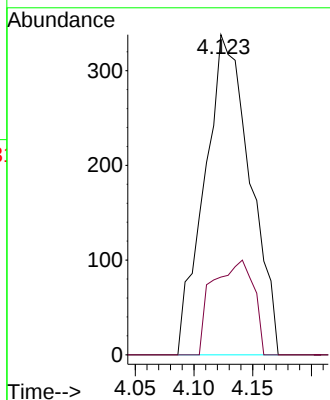
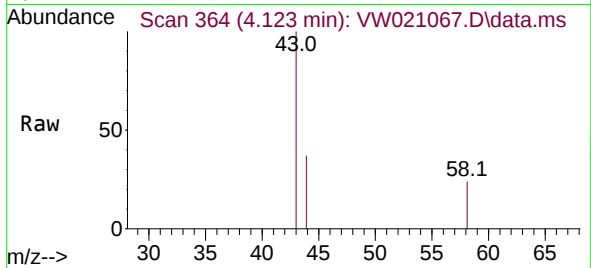




#13
Acetone
Concen: 14.015 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.006 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

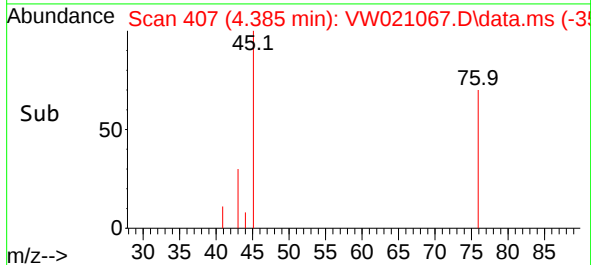
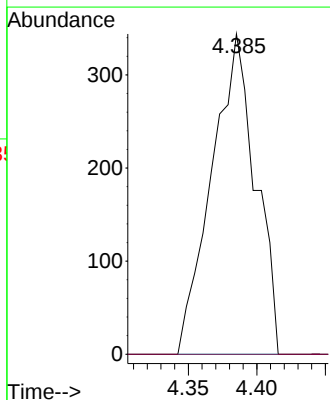
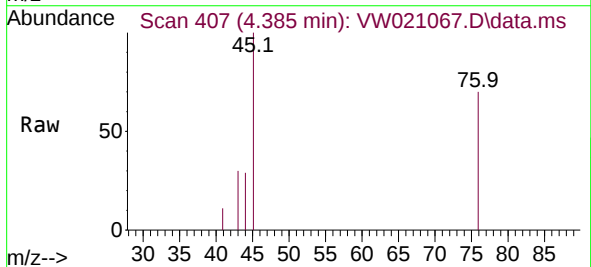
Instrument :
MSVOA_W
ClientSampleId :

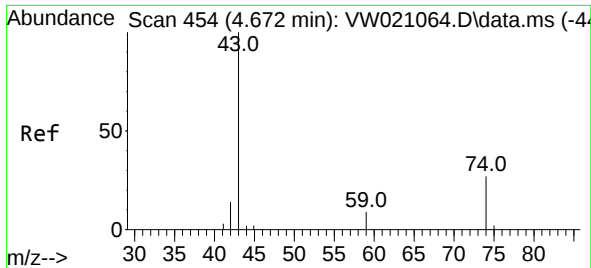
Tgt Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
58 13.6 0.0 52.8



#14
Carbon disulfide
Concen: 0.947 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Tgt Ion: 76 Resp: 765
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

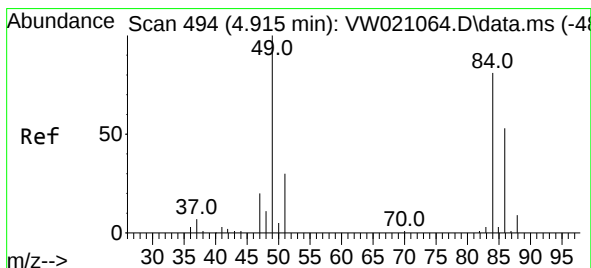
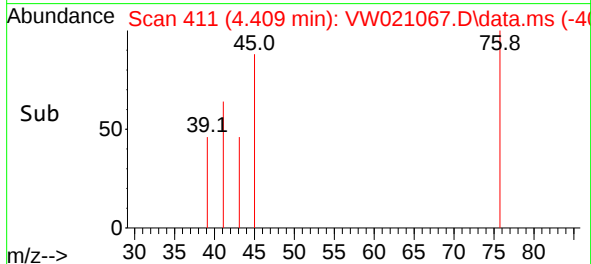
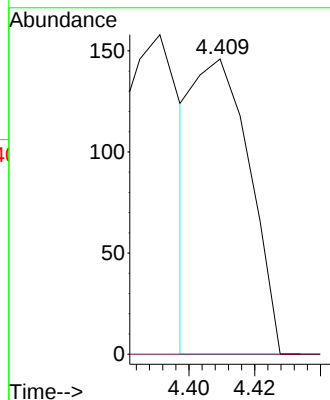
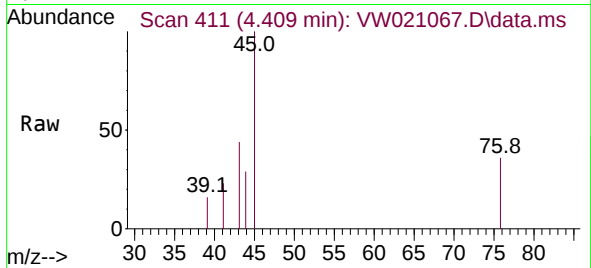




#15
Methyl Acetate
Concen: 1.453 ug/L
RT: 4.409 min Scan# 411
Delta R.T. -0.262 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

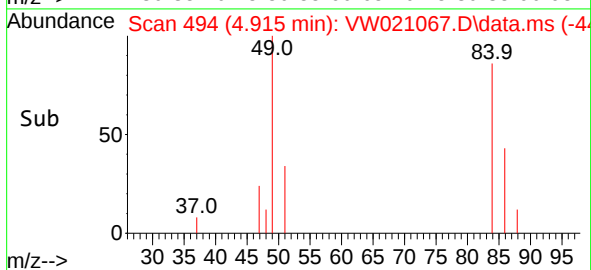
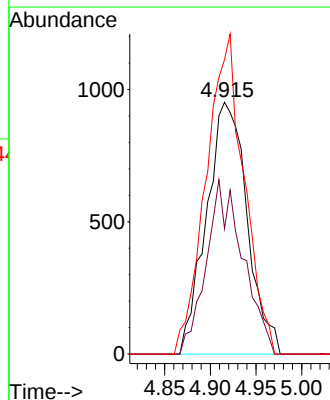
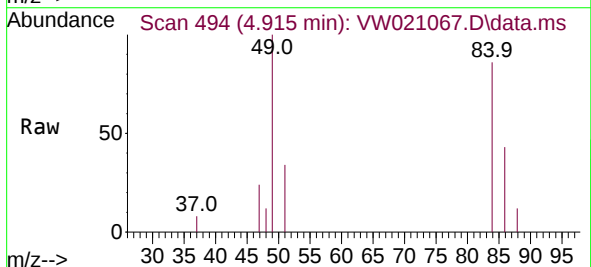
Instrument :
MSVOA_W
ClientSampleId :

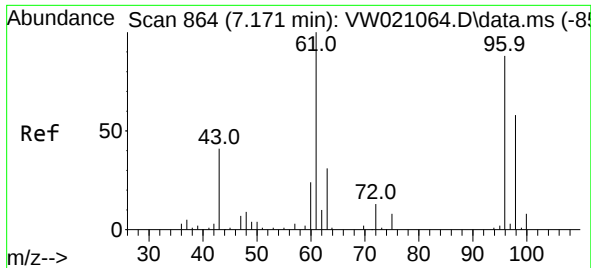
Tgt Ion: 43 Resp: 171
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#16
Methylene chloride
Concen: 8.337 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Tgt Ion: 84 Resp: 2946
Ion Ratio Lower Upper
84 100
86 49.8 45.5 84.5
49 116.9 100.5 186.7

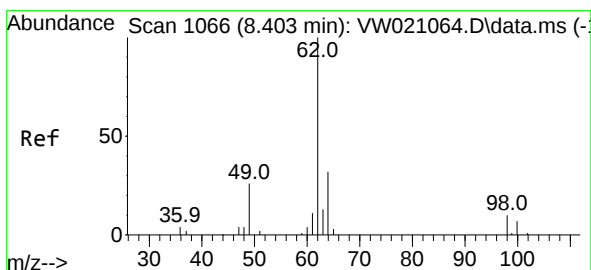
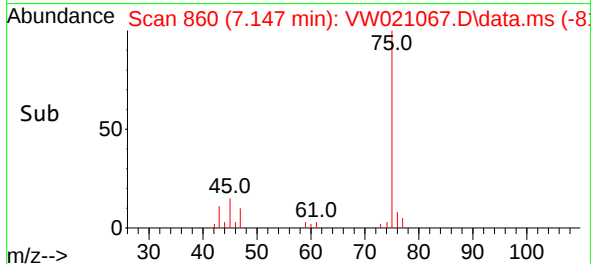
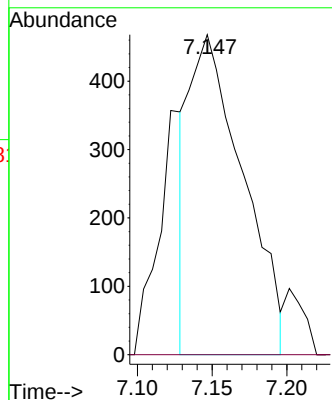
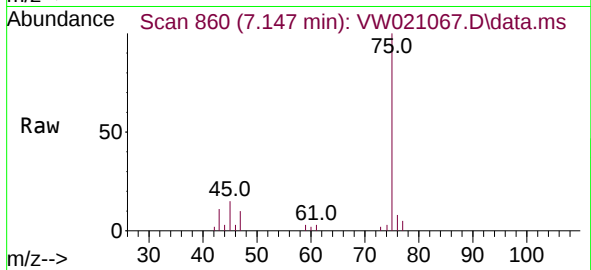




#22
2-Butanone
Concen: 13.032 ug/L
RT: 7.147 min Scan# 860
Delta R.T. -0.024 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

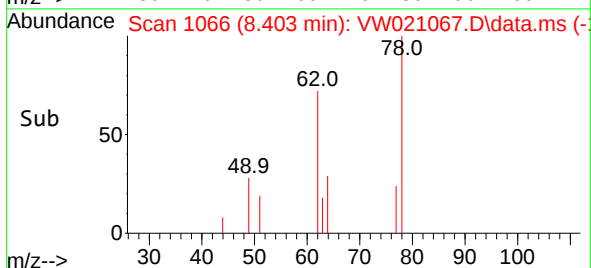
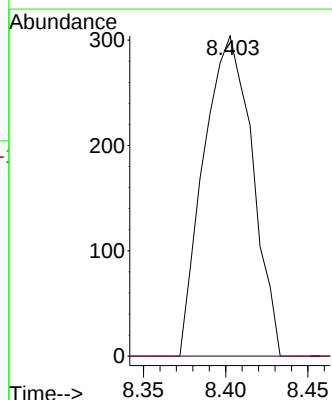
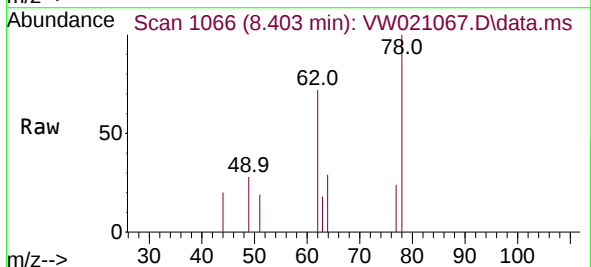
Instrument :
MSVOA_W
ClientSampleId :

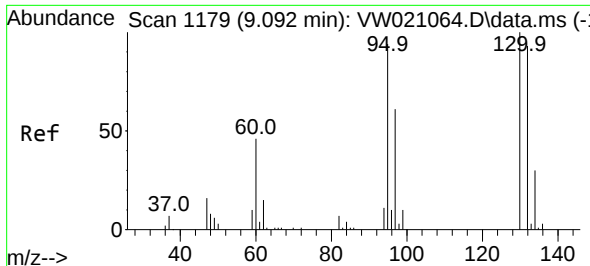
Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 1.734 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

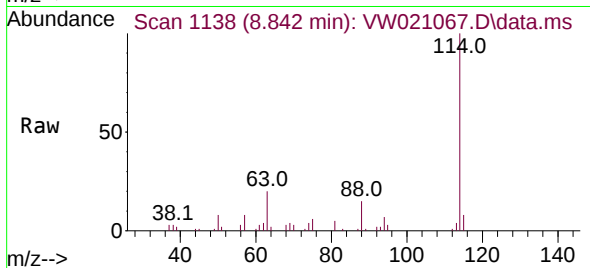
Tgt Ion: 62 Resp: 626
Ion Ratio Lower Upper
62 100
98 0.0 6.5 9.7#





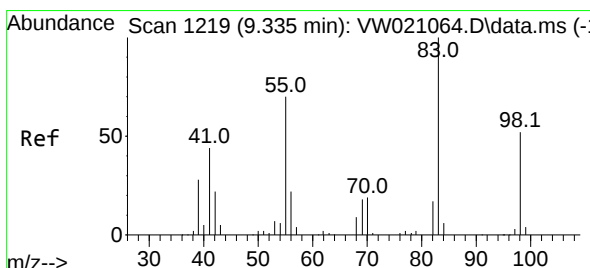
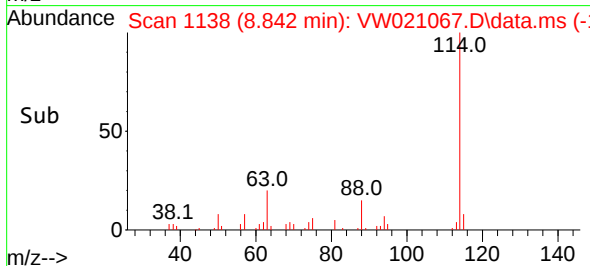
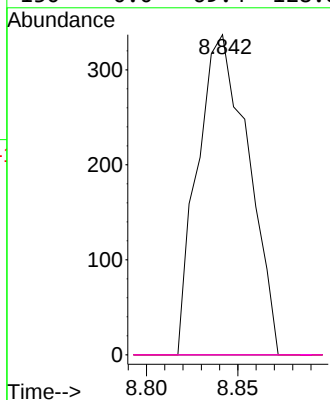
#34
Trichloroethene
Concen: 3.240 ug/L
RT: 8.842 min Scan# 1179
Delta R.T. -0.250 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 650

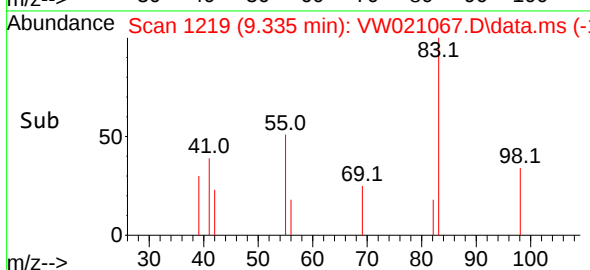
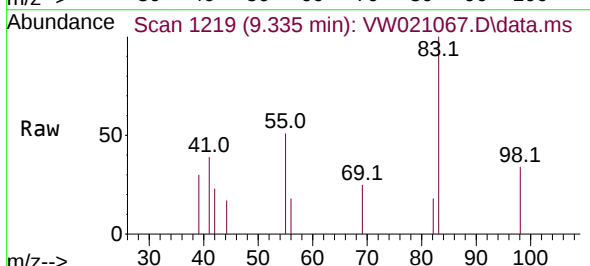
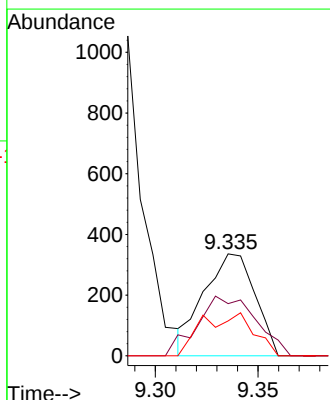
Ion	Ratio	Lower	Upper
95	100		
97	0.0	47.0	87.2#
132	0.0	65.5	121.6#
130	0.0	69.4	128.8#

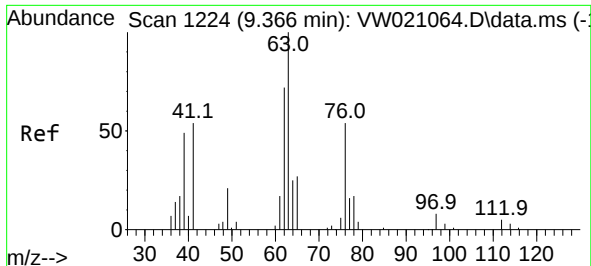


#35
Methylcyclohexane
Concen: 1.720 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Tgt Ion: 83 Resp: 581

Ion	Ratio	Lower	Upper
83	100		
55	67.3	70.8	106.2#
98	24.3	37.7	56.5#





#37

1,2-Dichloropropane

Concen: 8.329 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.091 min

Lab File: VW021067.D

Acq: 03 Dec 2021 16:28

Instrument :

MSVOA_W

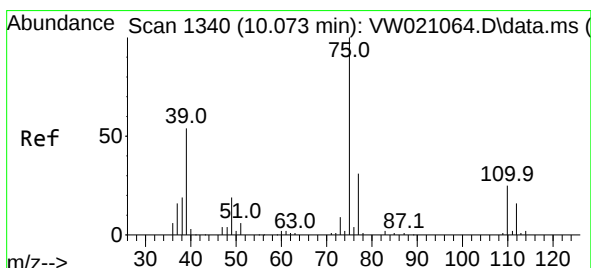
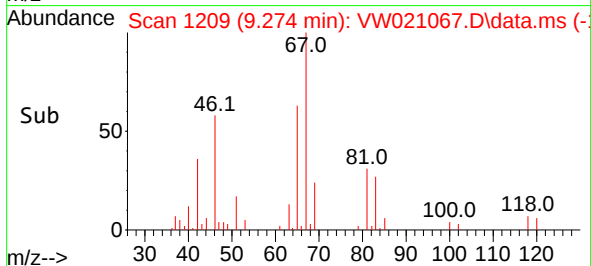
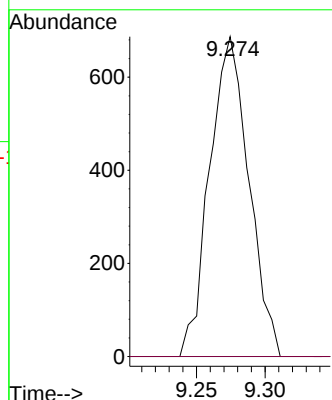
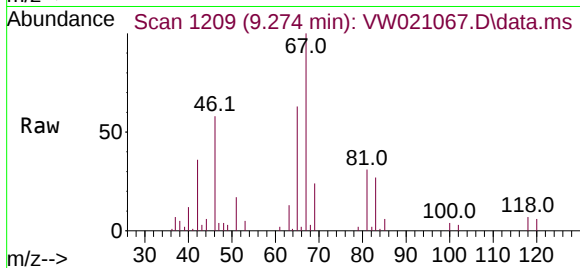
ClientSampleId :

Tgt Ion: 63 Resp: 1369

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.805 ug/L

RT: 10.043 min Scan# 1335

Delta R.T. -0.031 min

Lab File: VW021067.D

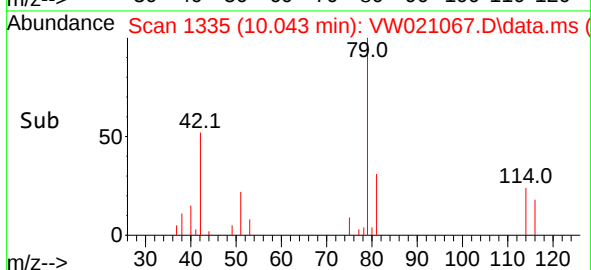
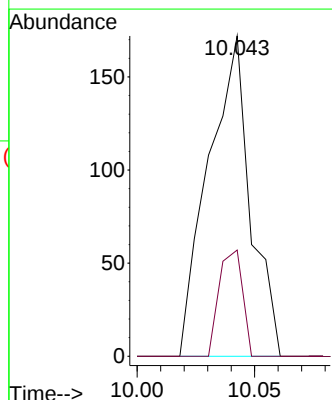
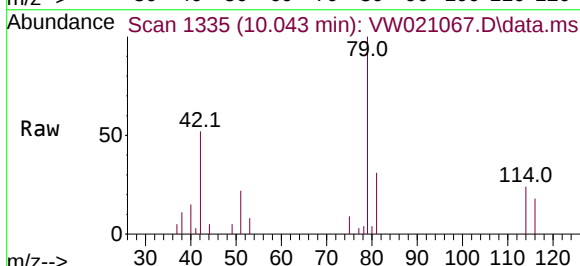
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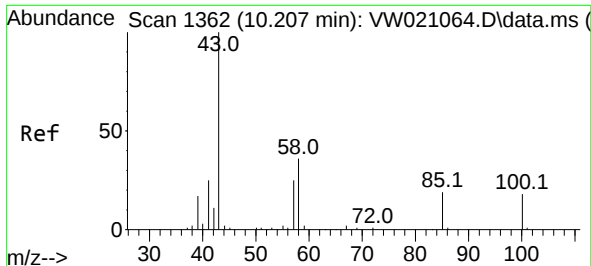
Tgt Ion: 75 Resp: 214

Ion Ratio Lower Upper

75 100

77 33.1 21.8 40.6

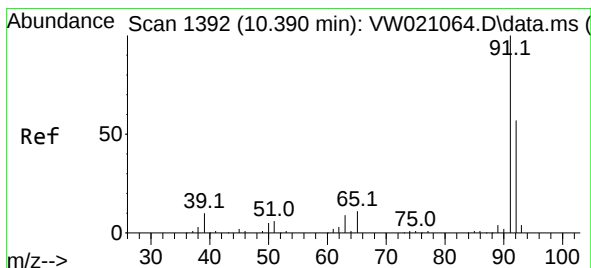
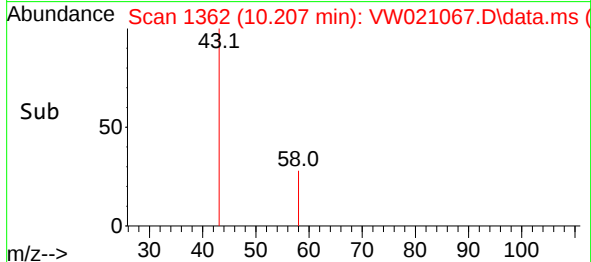
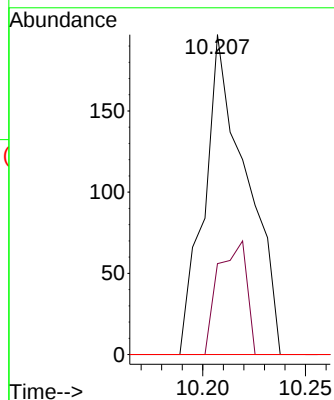
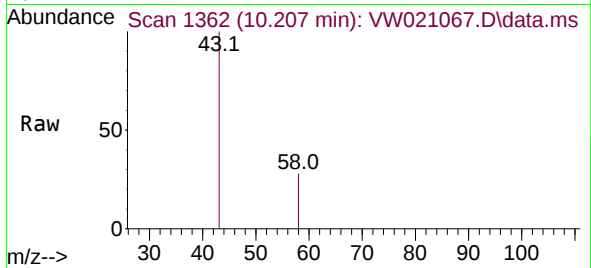




#40
4-Methyl-2-pentanone
Concen: 2.509 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

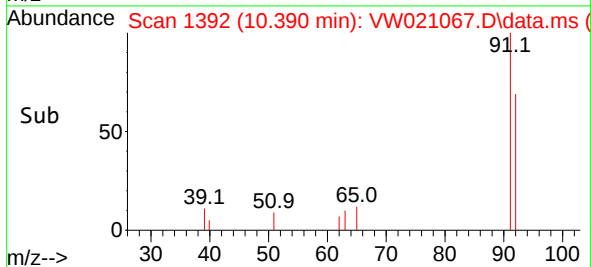
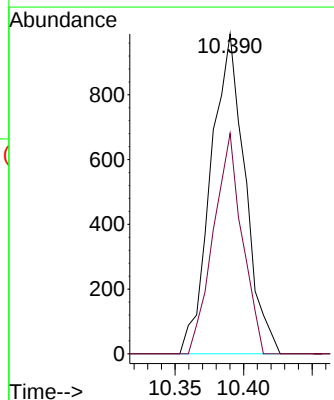
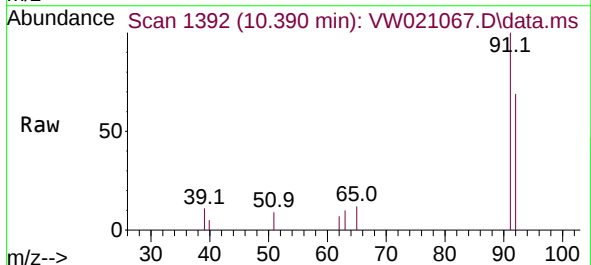
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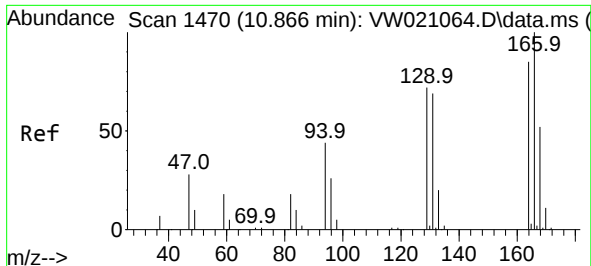
Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
58 23.8 28.8 43.2#
100 0.0 10.0 15.0#



#42
Toluene
Concen: 2.059 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

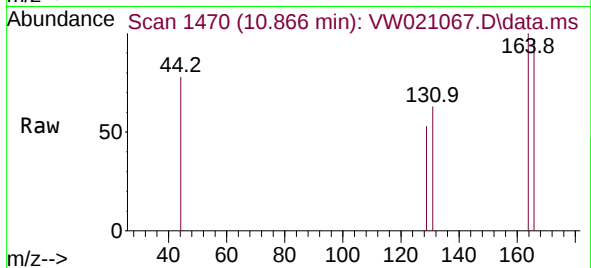
Tgt Ion: 91 Resp: 1710
Ion Ratio Lower Upper
91 100
92 68.9 41.7 77.5



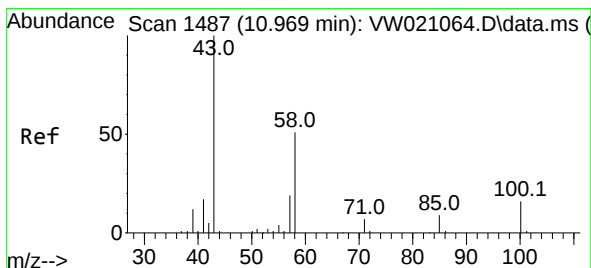
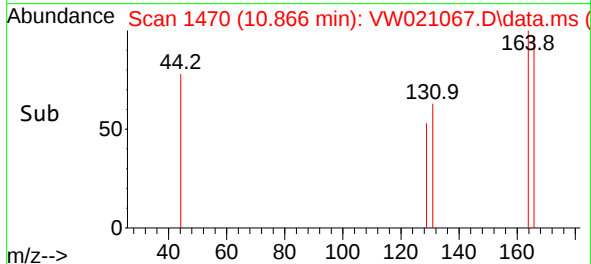
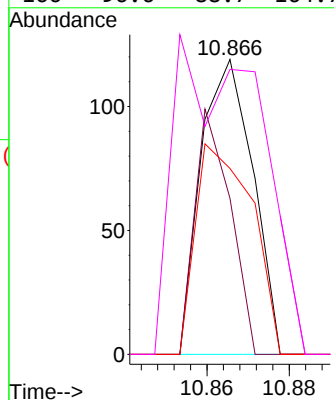


#46
Tetrachloroethene
Concen: 0.566 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Instrument :
MSVOA_W
ClientSampleId :

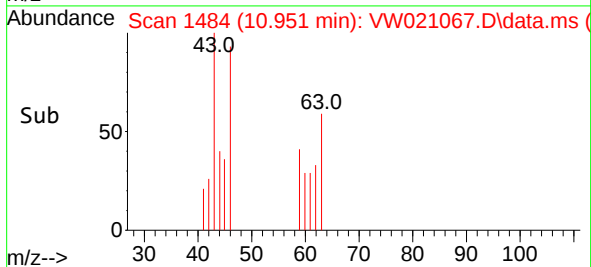
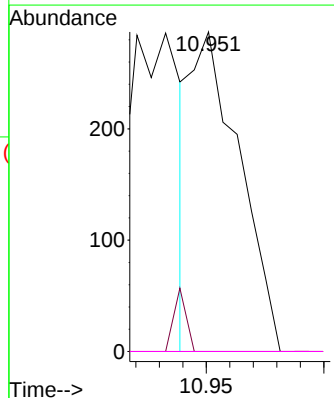
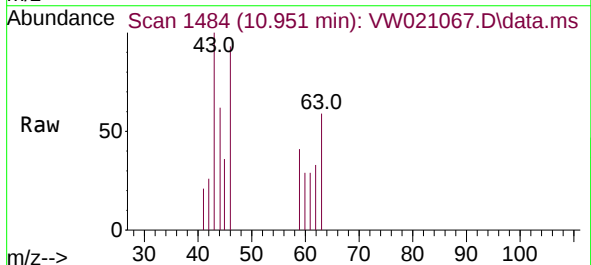


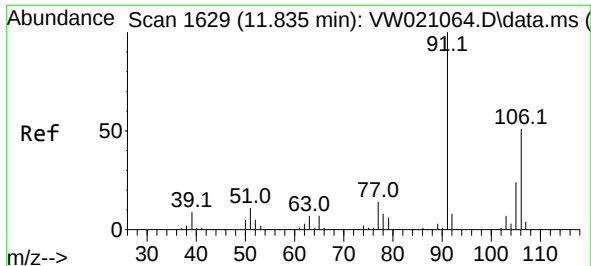
Tgt Ion:164 Resp: 104
Ion Ratio Lower Upper
164 100
129 52.9 65.5 121.7#
131 63.0 59.7 110.9
166 96.6 88.7 164.7



#48
2-Hexanone
Concen: 5.125 ug/L
RT: 10.951 min Scan# 1484
Delta R.T. -0.018 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Tgt Ion: 43 Resp: 414
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#

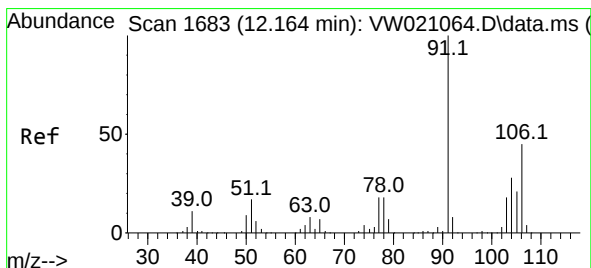
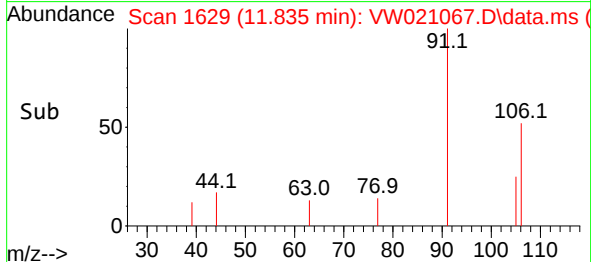
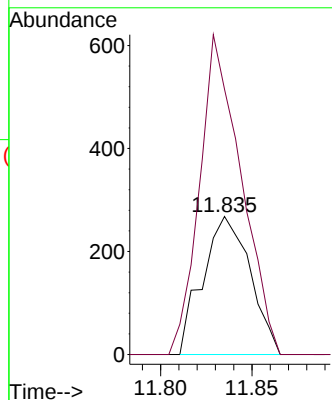
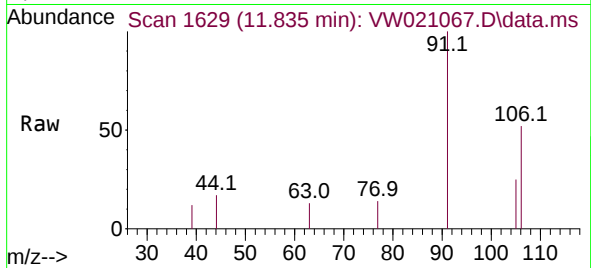




#53
m,p-Xylene
Concen: 1.251 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

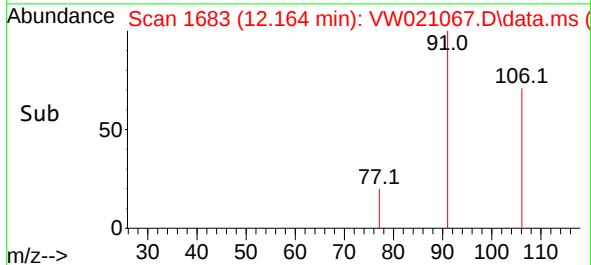
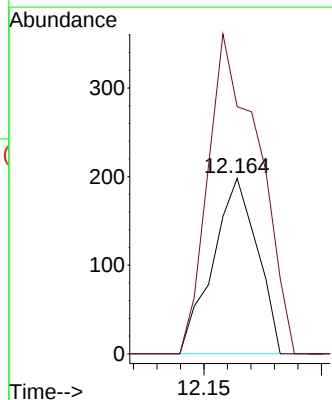
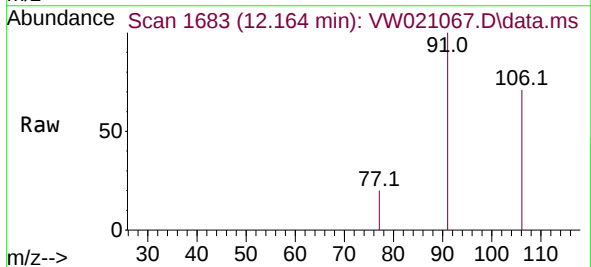
Instrument :
MSVOA_W
ClientSampleId :

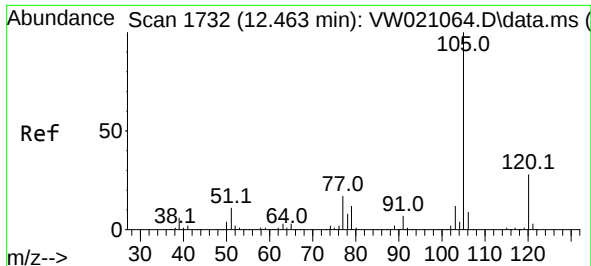
Tgt Ion:106 Resp: 484
Ion Ratio Lower Upper
106 100
91 192.2 149.9 278.3



#54
o-Xylene
Concen: 0.713 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

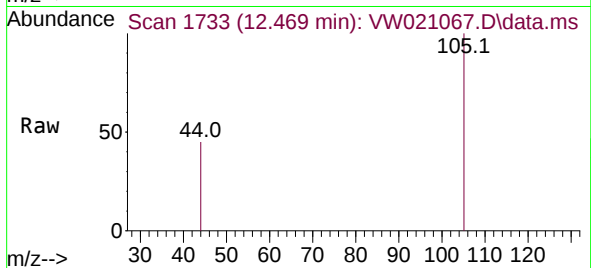
Tgt Ion:106 Resp: 260
Ion Ratio Lower Upper
106 100
91 140.9 153.6 285.3#



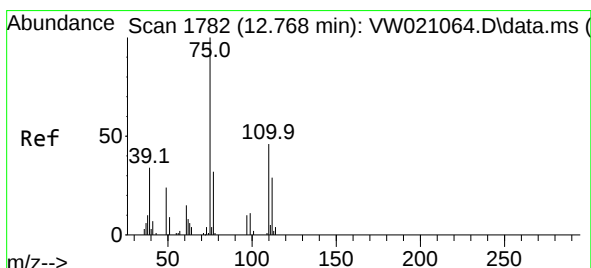
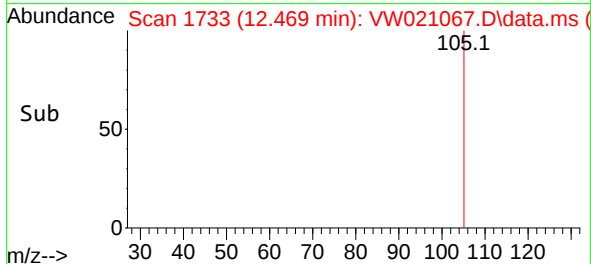
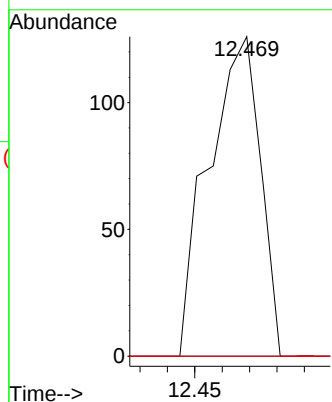


#60
Isopropylbenzene
Concen: 0.432 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Instrument :
MSVOA_W
ClientSampleId :

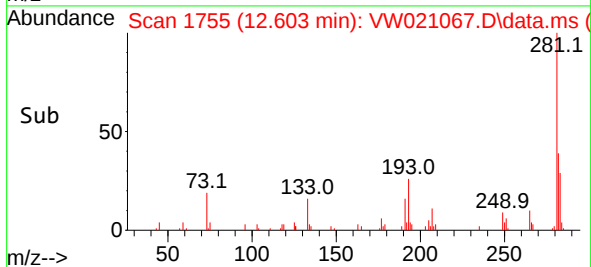
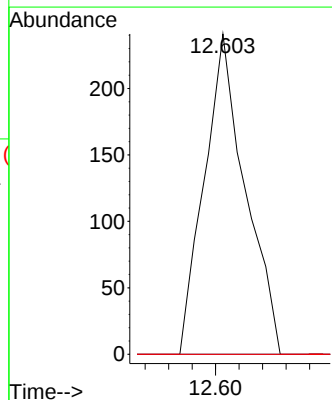
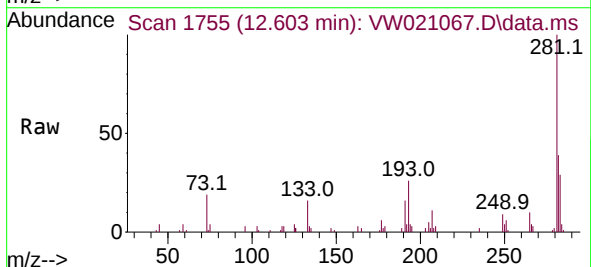


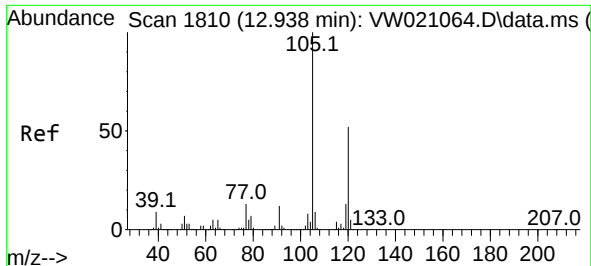
Tgt Ion:105 Resp: 165
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#
77 0.0 13.8 20.8#



#61
1,2,3-Trichloropropane
Concen: 6.341 ug/L
RT: 12.603 min Scan# 1755
Delta R.T. -0.165 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Tgt Ion: 75 Resp: 292
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: 0.506 ug/L

RT: 12.932 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VW021067.D

Acq: 03 Dec 2021 16:28

Instrument :

MSVOA_W

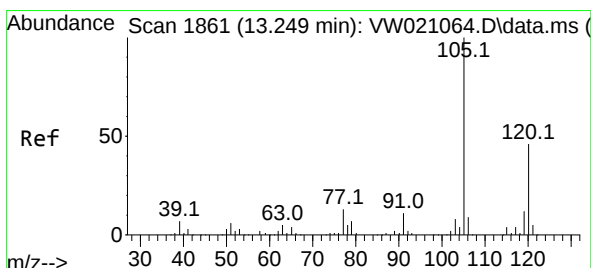
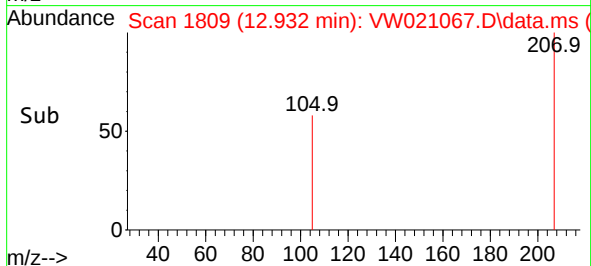
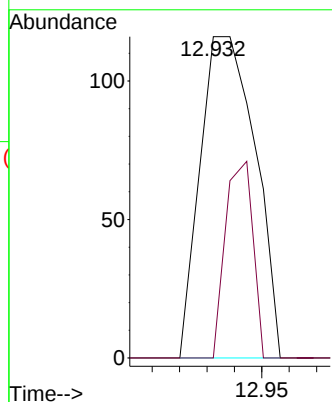
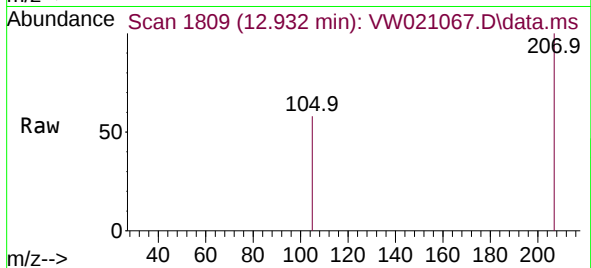
ClientSampleId :

Tgt Ion:105 Resp: 162

Ion Ratio Lower Upper

105 100

120 30.2 37.4 56.2#



#63

1,2,4-Trimethylbenzene

Concen: 1.041 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021067.D

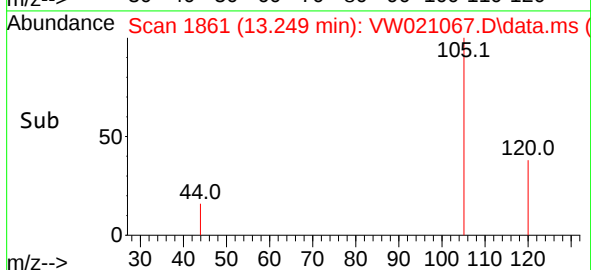
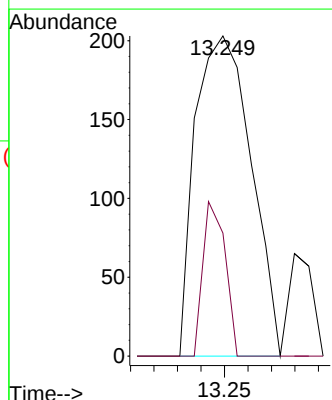
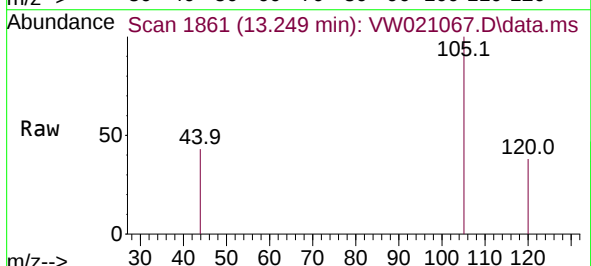
Acq: 03 Dec 2021 16:28

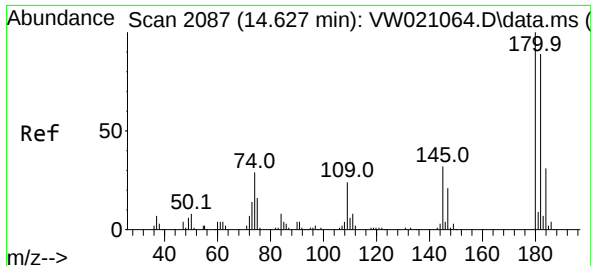
Tgt Ion:105 Resp: 335

Ion Ratio Lower Upper

105 100

120 19.1 35.0 52.6#





#69

1,3,5-Trichlorobenzene

Concen: 0.688 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. -0.006 min

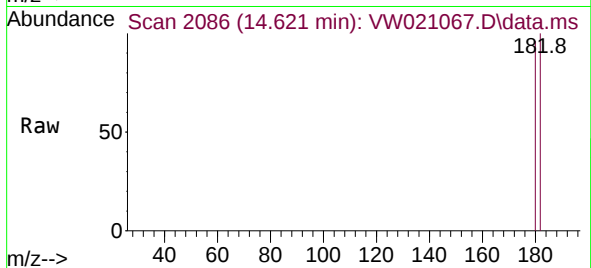
Lab File: VW021067.D

Acq: 03 Dec 2021 16:28

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 91

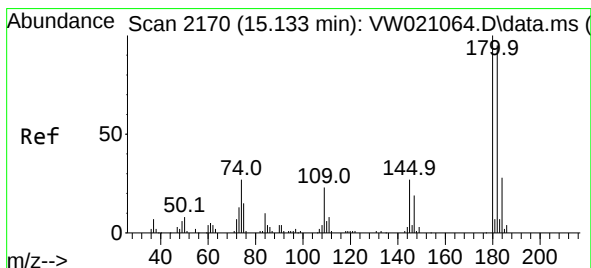
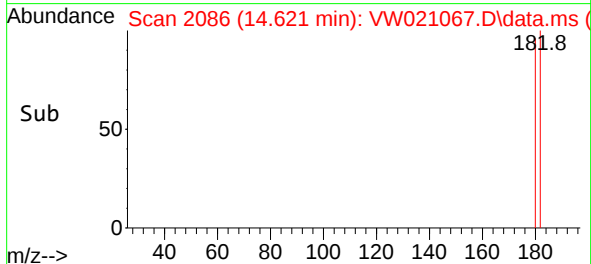
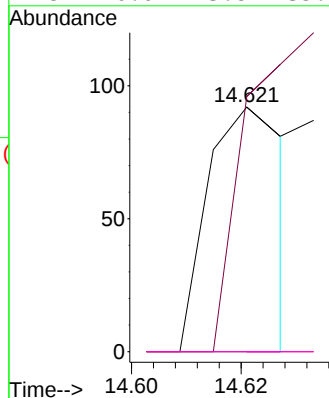
Ion Ratio Lower Upper

180 100

182 130.8 75.4 113.0#

184 0.0 23.8 35.8#

145 0.0 23.8 35.8#



#70

1,2,4-trichlorobenzene

Concen: 1.178 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW021067.D

Acq: 03 Dec 2021 16:28

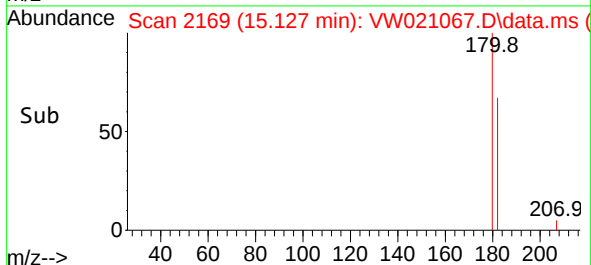
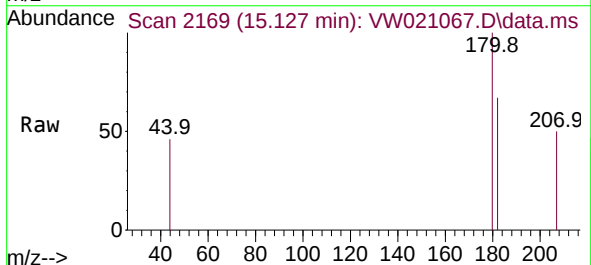
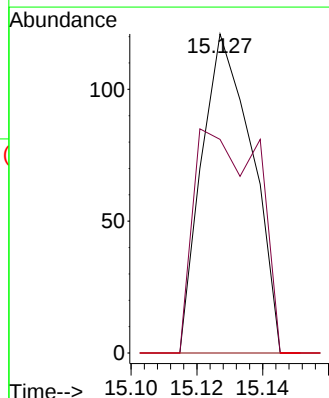
Tgt Ion:180 Resp: 128

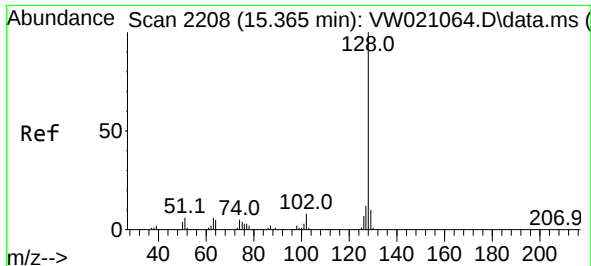
Ion Ratio Lower Upper

180 100

182 66.4 79.0 118.6#

145 0.0 26.0 39.0#

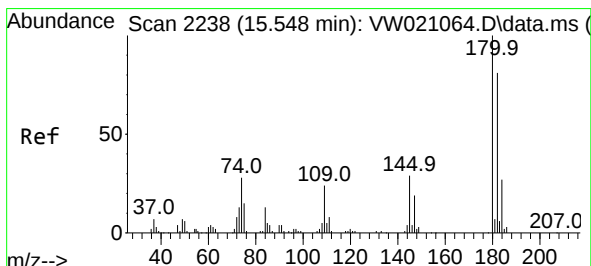
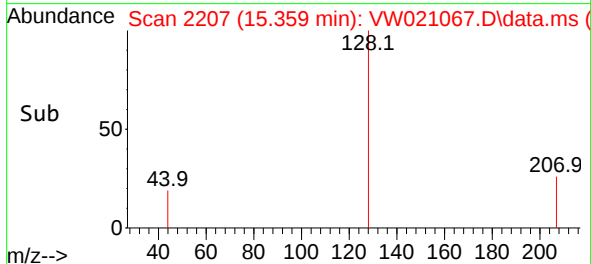
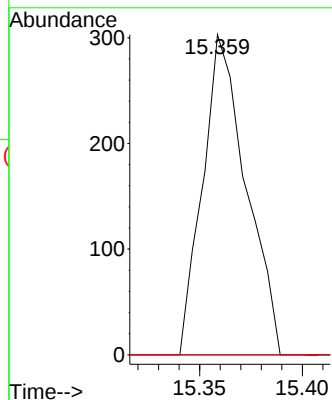
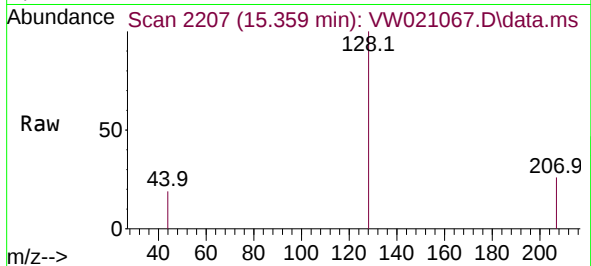




#71
Naphthalene
Concen: 2.198 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128	Resp:	444
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.7 16.1#
129	0.0	8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 1.540 ug/L
RT: 15.560 min Scan# 2240
Delta R.T. 0.012 min
Lab File: VW021067.D
Acq: 03 Dec 2021 16:28

Tgt Ion:180	Resp:	146
Ion	Ratio	Lower Upper
180	100	
182	83.6	76.6 114.8
145	0.0	27.4 41.0#

