

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121121\
 Data File : VW021327.D
 Acq On : 11 Dec 2021 15:17
 Operator : SY/VA
 Sample : M5062-04
 Misc : 6.52g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 08:08:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 23:12:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	87390	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	88129	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	51215	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	36836	23.144	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.560%
7) Chloroethane-d5	2.879	69	28995	27.557	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.240%
11) 1,1-Dichloroethene-d2	4.031	63	137382	64.745	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	258.960%#
21) 2-Butanone-d5	7.080	46	15060	67.126	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.260%
24) Chloroform-d	7.653	84	60716	24.931	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.720%
26) 1,2-Dichloroethane-d4	8.305	65	31904	24.628	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.520%
32) Benzene-d6	8.275	84	109614	22.691	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.760%
36) 1,2-Dichloropropane-d6	9.274	67	32041	24.732	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.920%
41) Toluene-d8	10.323	98	107158	21.711	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.840%
43) trans-1,3-Dichloroprop...	10.579	79	15605	26.160	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.640%
47) 2-Hexanone-d5	10.920	63	12200	63.683	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.360%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	30050	26.982	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.920%
66) 1,2-Dichlorobenzene-d4	13.847	152	40664	20.487	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.960%
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	4.038	96	206014	190.184	ug/L	# 59
13) Acetone	4.141	43	1587	7.891	ug/L	72
19) 1,1-Dichloroethane	6.214	63	259742	141.127	ug/L	97
25) Chloroform	7.878	83	11929	5.583	ug/L	95
27) 1,2-Dichloroethane	8.390	62	918	0.678	ug/L	# 77
30) 1,1,1-Trichloroethane	7.872	97	7977320	4034.322	ug/L	# 91
31) Carbon tetrachloride	7.872	117	1106493	606.600	ug/L	95
34) Trichloroethene	9.091	95	475939	353.157	ug/L	93
37) 1,2-Dichloropropane	9.274	63	3966	3.704	ug/L	# 92
39) cis-1,3-Dichloropropene	10.030	75	1355	0.803	ug/L	83
42) Toluene	10.384	91	331303	59.005	ug/L	96
45) 1,1,2-Trichloroethane	10.786	97	3479	3.969	ug/L	93
46) Tetrachloroethene	10.866	164	5106216	3988.505	ug/L	96
49) Dibromochloromethane	10.872	129	4656829	4309.832	ug/L	# 10
53) m,p-Xylene	11.829	106	6236	2.409	ug/L	72
54) o-Xylene	12.164	106	2501	1.018	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	4579	0.784	ug/L	100
71) Naphthalene	15.365	128	3146	0.981	ug/L	99

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Quant Time: Dec 12 08:08:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 10 23:12:45 2021
Response via : Initial Calibration

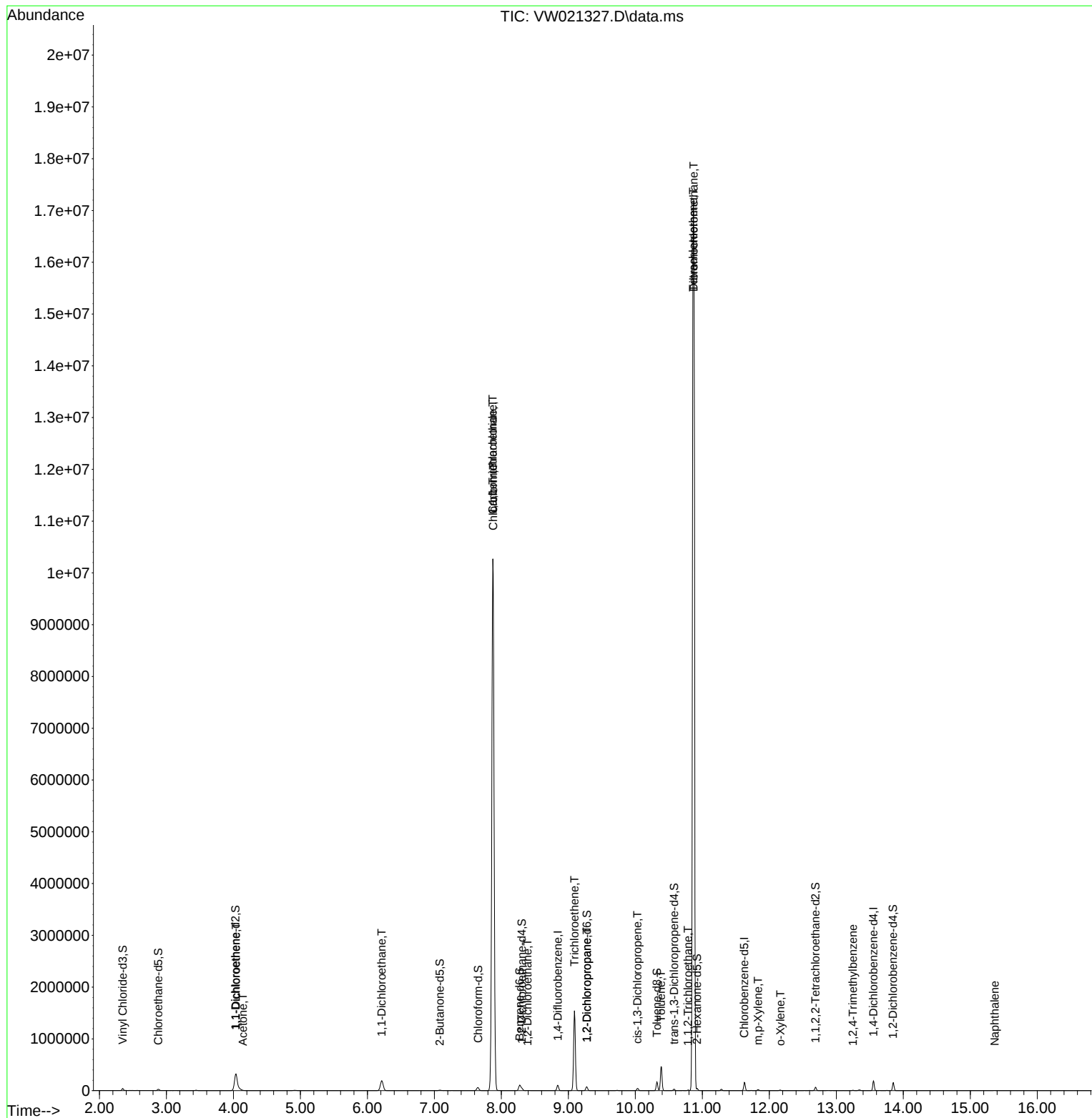
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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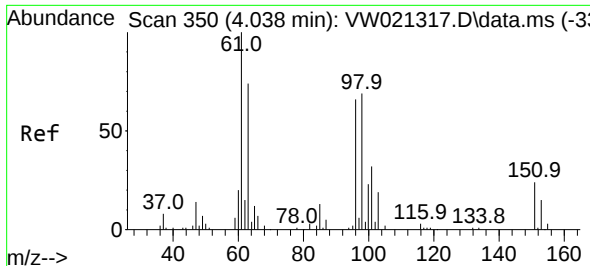
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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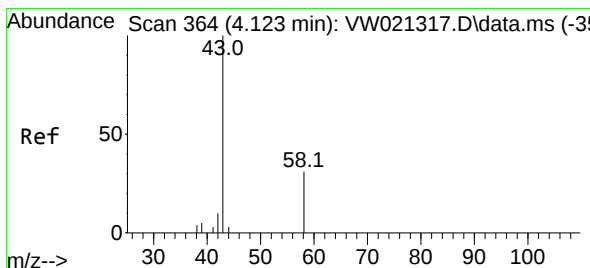
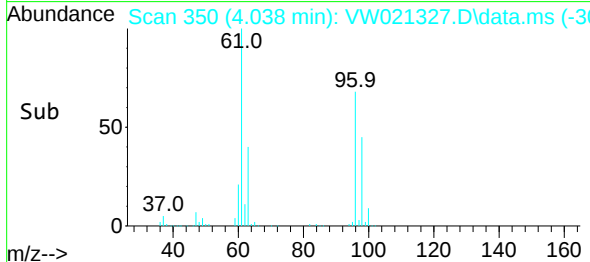
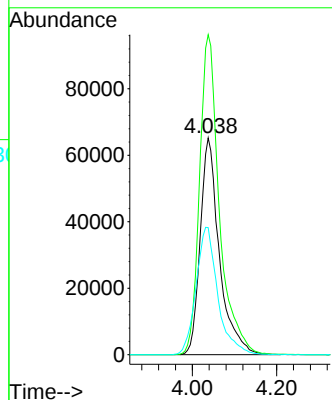
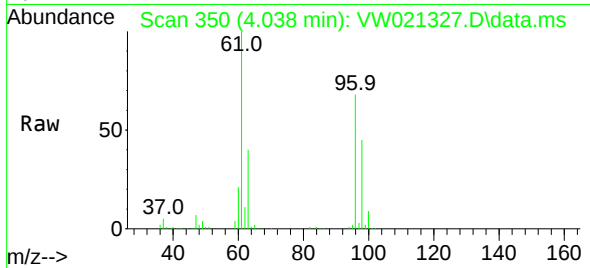




#12
1,1-Dichloroethene
Concen: 190.184 ug/L
RT: 4.038 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

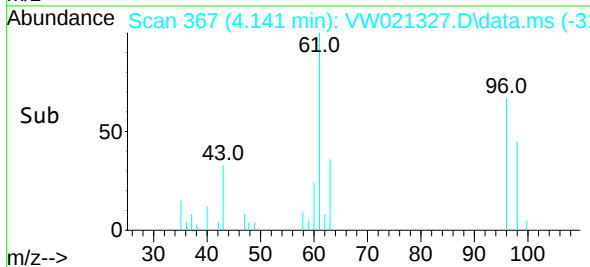
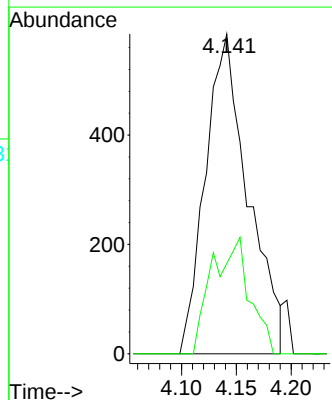
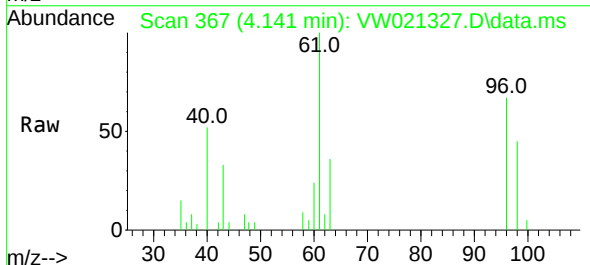
Instrument :
MSVOA_W
ClientSampleId :

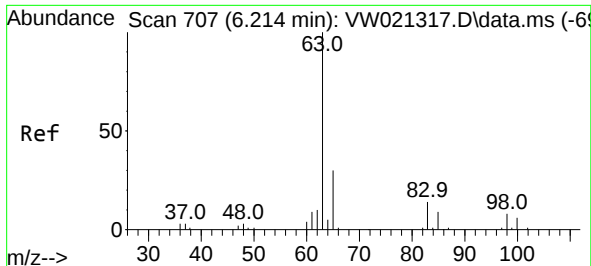
Tgt Ion: 96 Resp: 206014
Ion Ratio Lower Upper
96 100
61 147.6 138.3 256.9
63 58.6 82.6 153.4#



#13
Acetone
Concen: 7.891 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.018 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

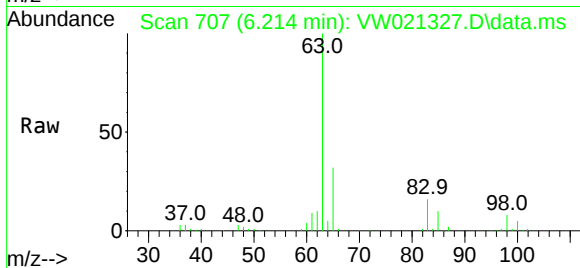
Tgt Ion: 43 Resp: 1587
Ion Ratio Lower Upper
43 100
58 12.0 0.0 52.8



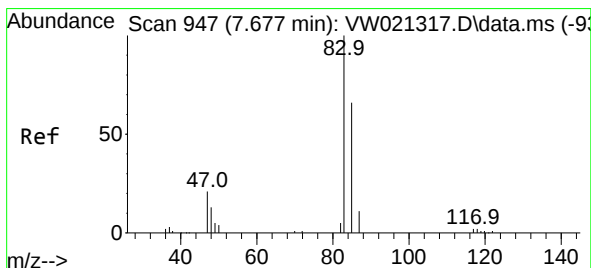
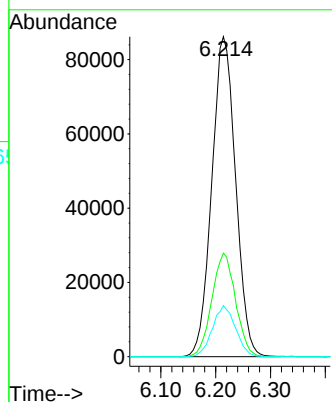
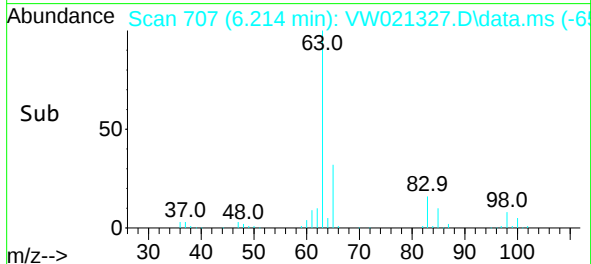


#19
1,1-Dichloroethane
Concen: 141.127 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.000 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

Instrument :
MSVOA_W
ClientSampleId :

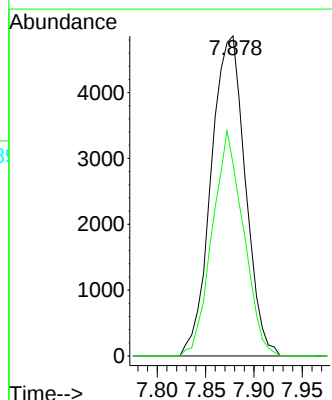
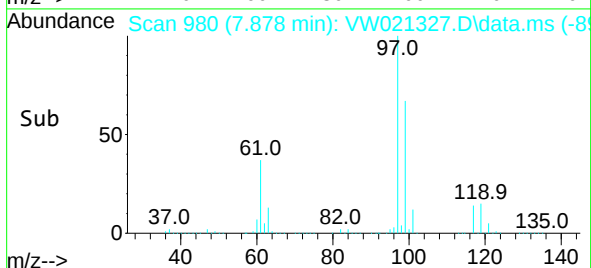
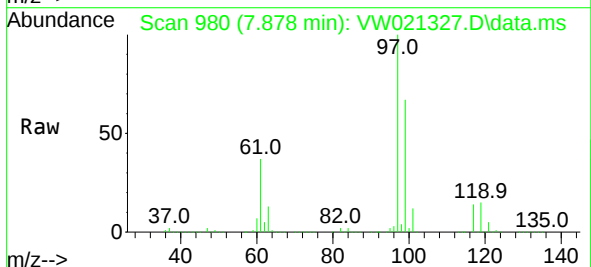


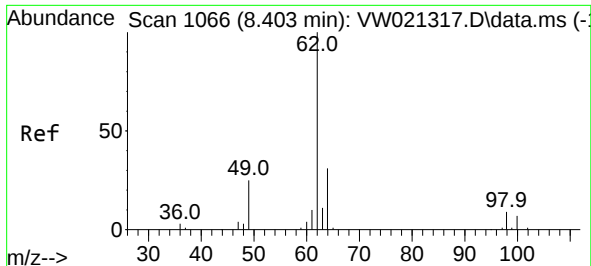
Tgt Ion: 63 Resp: 259742
Ion Ratio Lower Upper
63 100
65 32.3 22.1 41.1
83 15.9 9.2 17.2



#25
Chloroform
Concen: 5.583 ug/L
RT: 7.878 min Scan# 980
Delta R.T. 0.201 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

Tgt Ion: 83 Resp: 11929
Ion Ratio Lower Upper
83 100
85 60.1 45.1 83.7





#27

1,2-Dichloroethane

Concen: 0.678 ug/L

RT: 8.390 min Scan# 1064

Delta R.T. -0.012 min

Lab File: VW021327.D

Acq: 11 Dec 2021 15:17

Instrument :

MSVOA_W

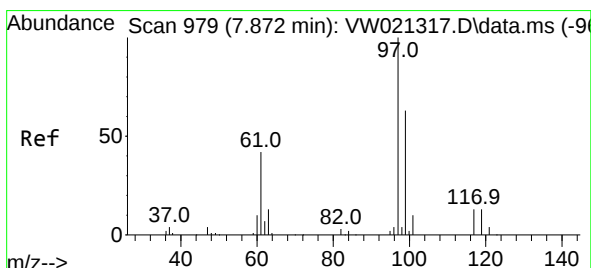
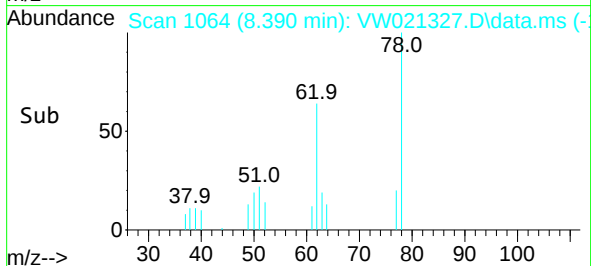
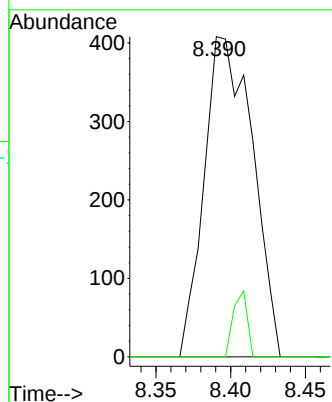
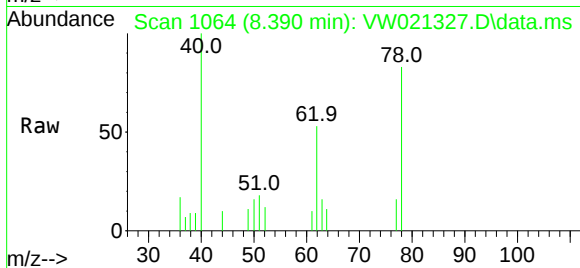
ClientSampleId :

Tgt Ion: 62 Resp: 918

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#



#30

1,1,1-Trichloroethane

Concen: 4034.322 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW021327.D

Acq: 11 Dec 2021 15:17

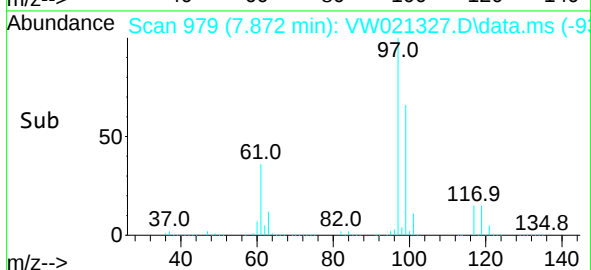
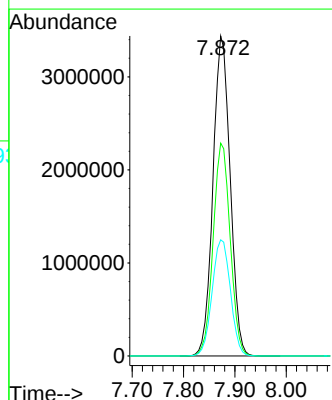
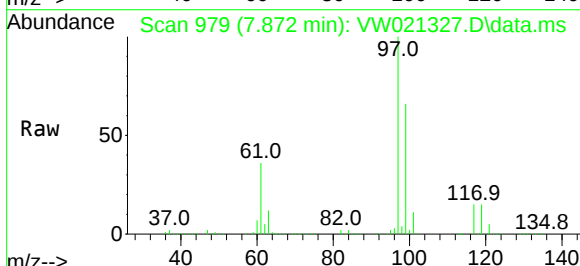
Tgt Ion: 97 Resp: 7977320

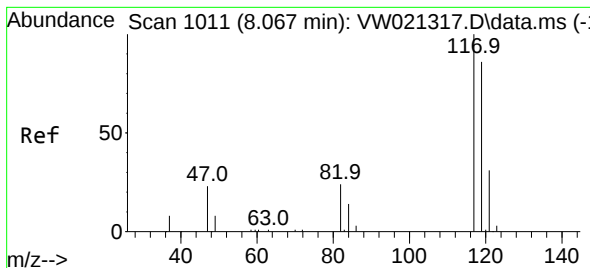
Ion Ratio Lower Upper

97 100

99 66.0 51.6 77.4

61 38.6 40.9 61.3#





#31

Carbon tetrachloride

Concen: 606.600 ug/L

RT: 7.872 min Scan# 91

Delta R.T. -0.195 min

Lab File: VW021327.D

Acq: 11 Dec 2021 15:17

Instrument :

MSVOA_W

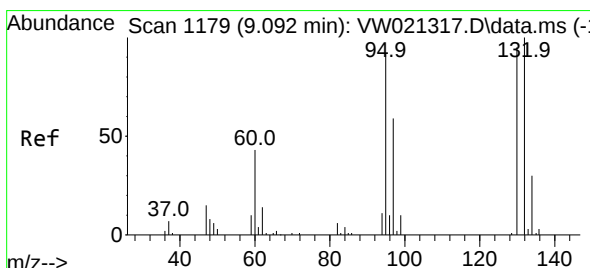
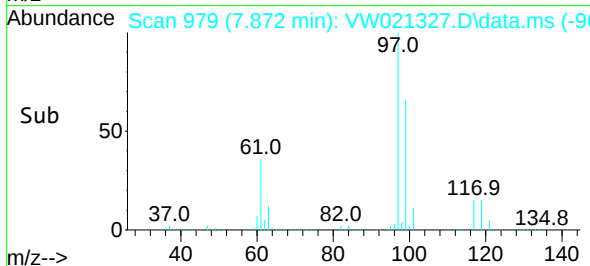
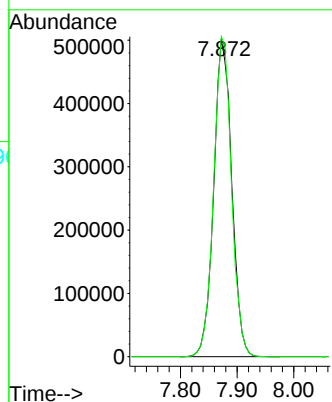
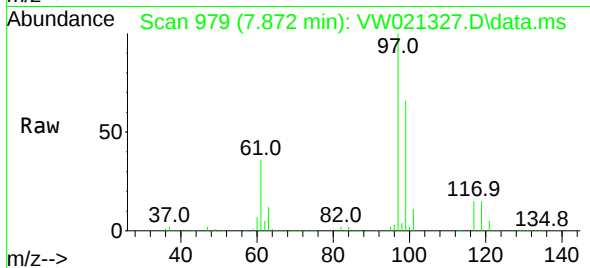
ClientSampleId :

Tgt Ion:117 Resp: 1106493

Ion Ratio Lower Upper

117 100

119 99.7 75.7 113.5



#34

Trichloroethene

Concen: 353.157 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW021327.D

Acq: 11 Dec 2021 15:17

Tgt Ion: 95 Resp: 475939

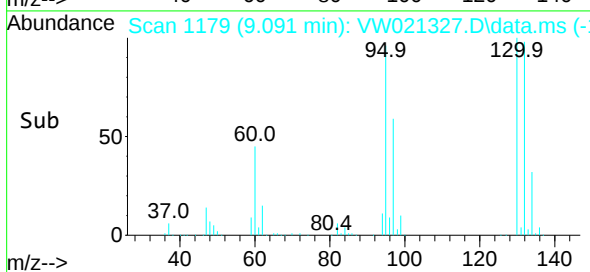
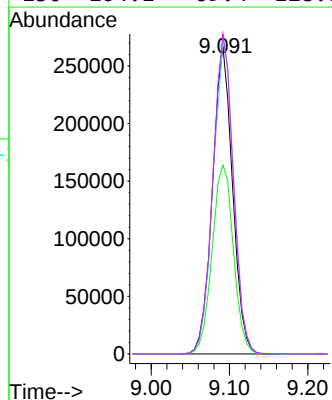
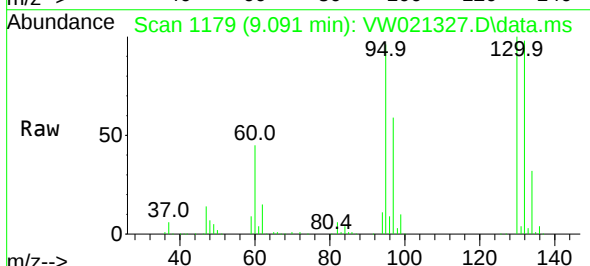
Ion Ratio Lower Upper

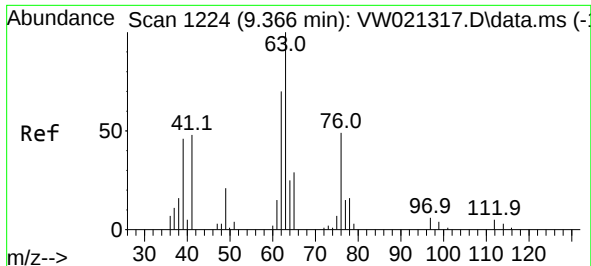
95 100

97 61.4 47.0 87.2

132 102.1 65.5 121.6

130 104.1 69.4 128.8





#37

1,2-Dichloropropane

Concen: 3.704 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.092 min

Lab File: VW021327.D

Acq: 11 Dec 2021 15:17

Instrument :

MSVOA_W

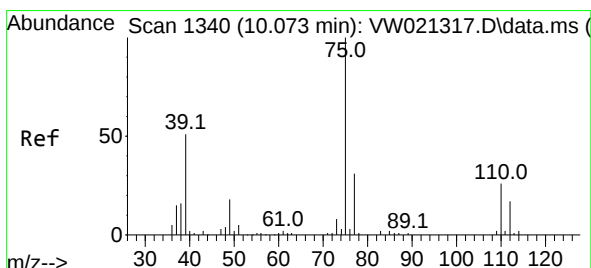
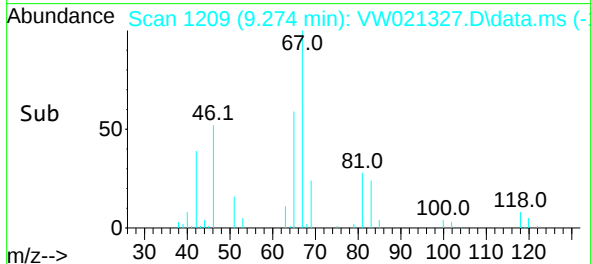
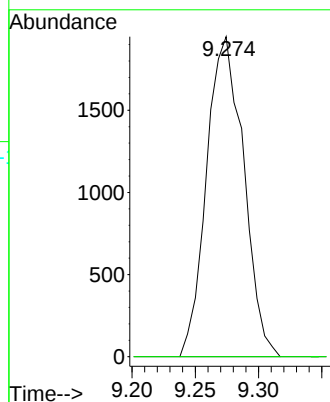
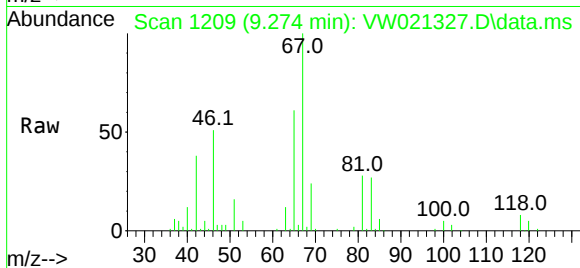
ClientSampleId :

Tgt Ion: 63 Resp: 3966

Ion Ratio Lower Upper

63 100

112 1.3 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.803 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021327.D

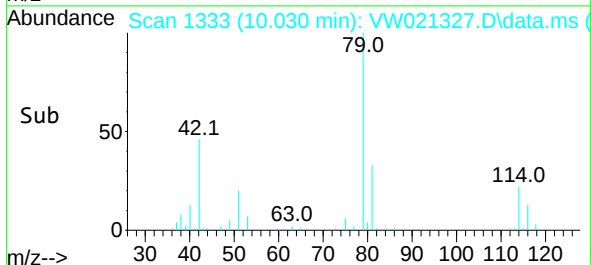
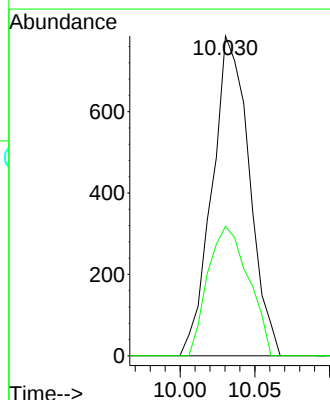
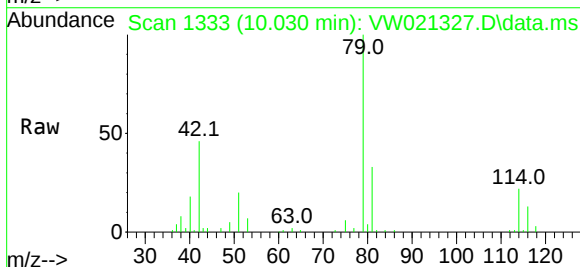
Acq: 11 Dec 2021 15:17

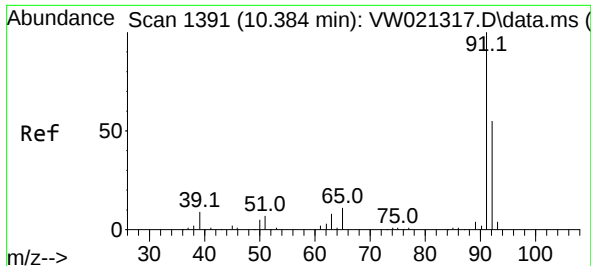
Tgt Ion: 75 Resp: 1355

Ion Ratio Lower Upper

75 100

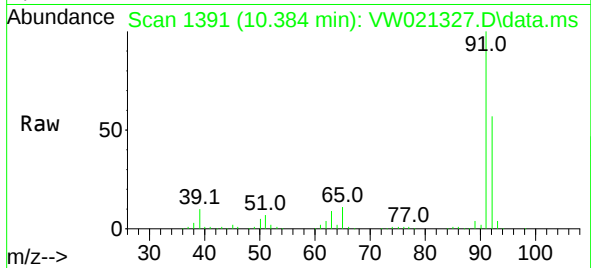
77 40.5 21.8 40.6



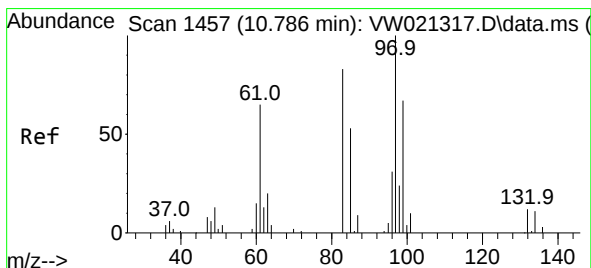
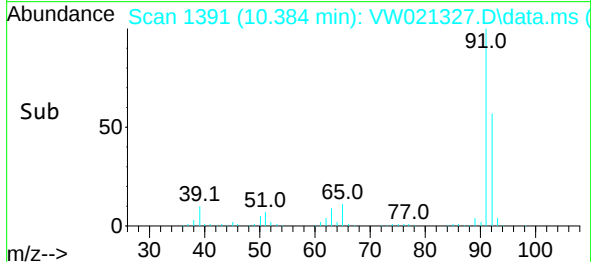
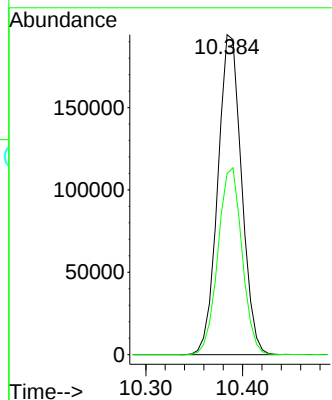


#42
Toluene
Concen: 59.005 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

Instrument :
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ClientSampleId :

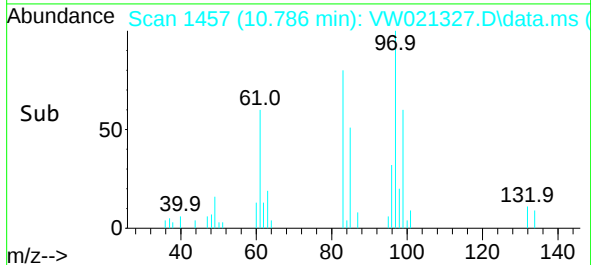
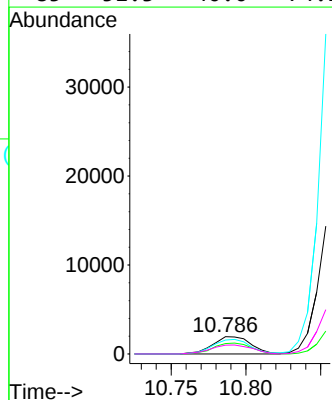
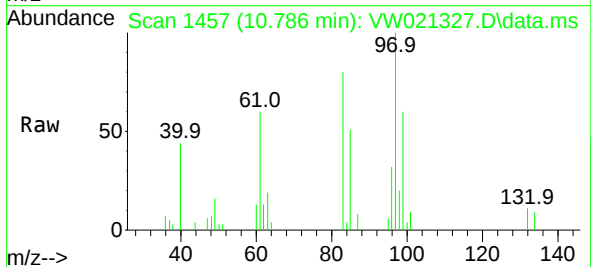


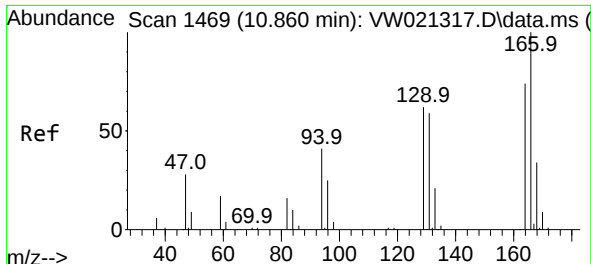
Tgt Ion: 91 Resp: 331303
Ion Ratio Lower Upper
91 100
92 56.6 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 3.969 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

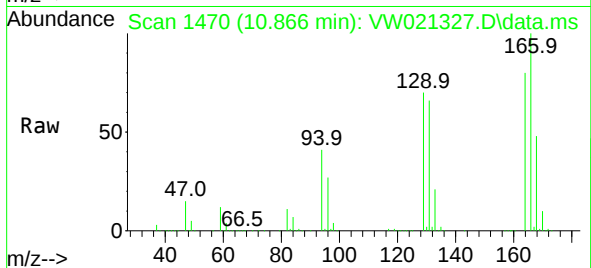
Tgt Ion: 97 Resp: 3479
Ion Ratio Lower Upper
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99 60.1 43.0 79.8
83 80.1 62.6 116.3
85 51.3 40.0 74.2



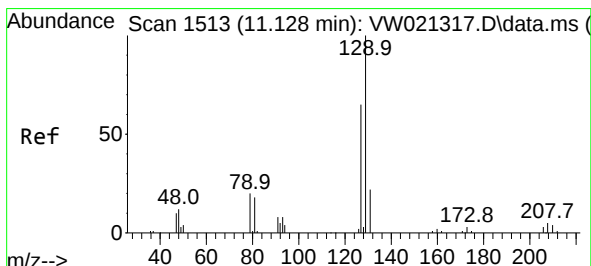
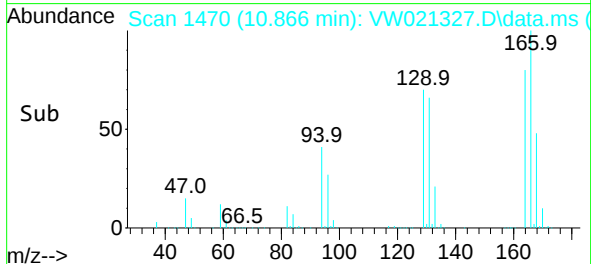
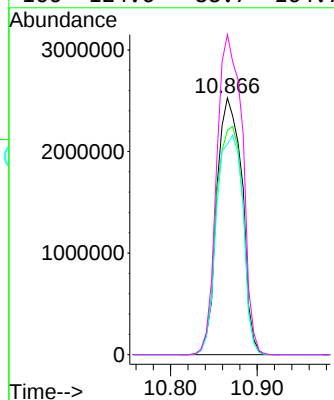


#46
Tetrachloroethene
Concen: 3988.505 ug/L
RT: 10.866 min Scan# 1469
Delta R.T. 0.006 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

Instrument :
MSVOA_W
ClientSampleId :

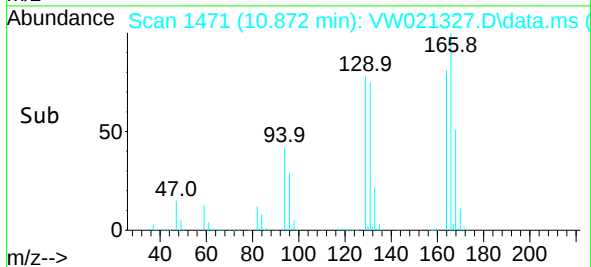
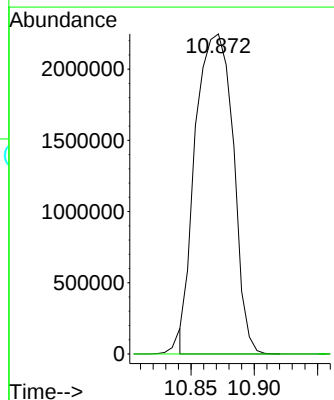
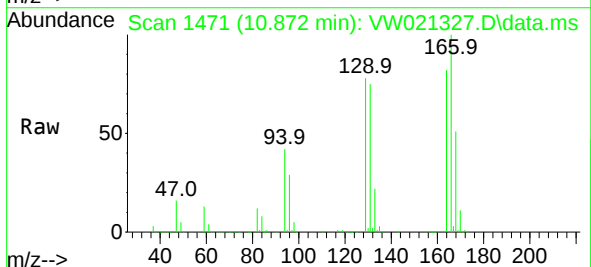


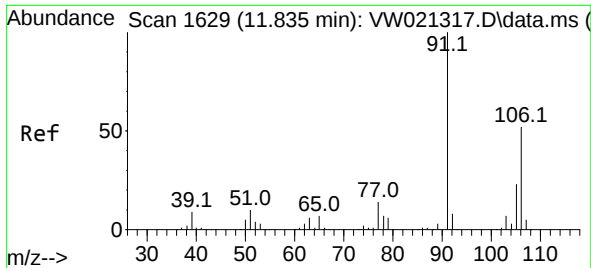
Tgt Ion:164 Resp: 5106216
Ion Ratio Lower Upper
164 100
129 87.3 65.5 121.7
131 82.0 59.7 110.9
166 124.6 88.7 164.7



#49
Dibromochloromethane
Concen: 4309.832 ug/L
RT: 10.872 min Scan# 1471
Delta R.T. -0.256 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

Tgt Ion:129 Resp: 4656829
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#

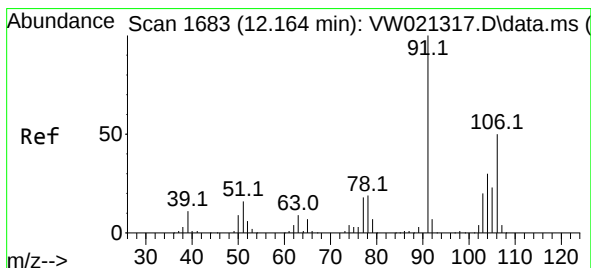
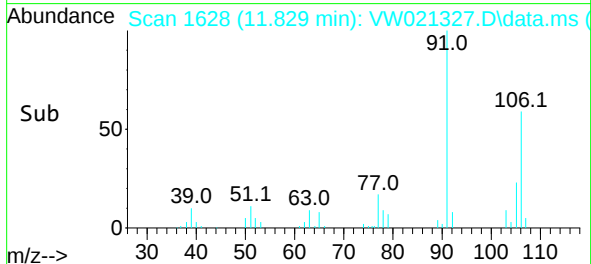
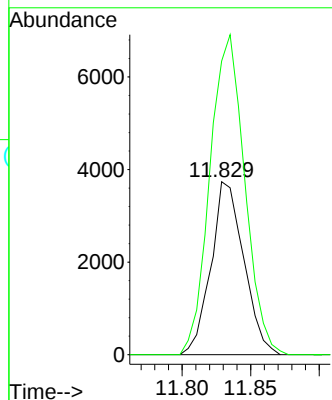
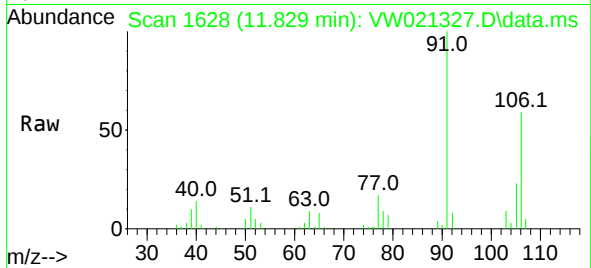




#53
m,p-Xylene
Concen: 2.409 ug/L
RT: 11.829 min Scan# 1628
Delta R.T. -0.012 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

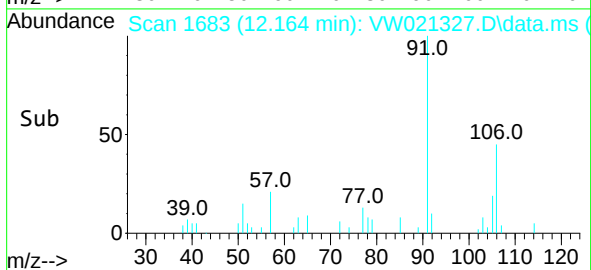
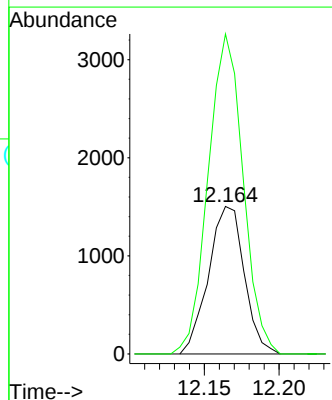
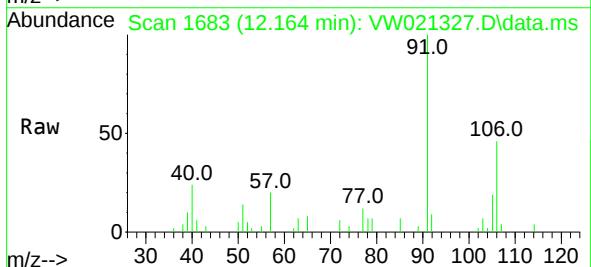
Instrument :
MSVOA_W
ClientSampleId :

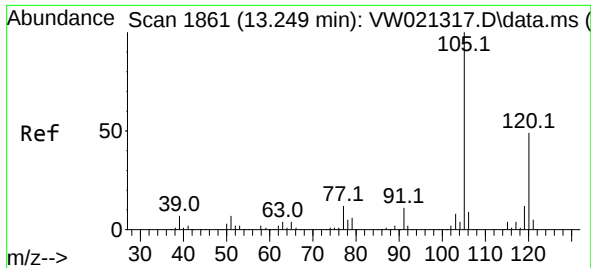
Tgt Ion:106 Resp: 6236
Ion Ratio Lower Upper
106 100
91 169.6 149.9 278.3



#54
o-Xylene
Concen: 1.018 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

Tgt Ion:106 Resp: 2501
Ion Ratio Lower Upper
106 100
91 217.0 153.6 285.3

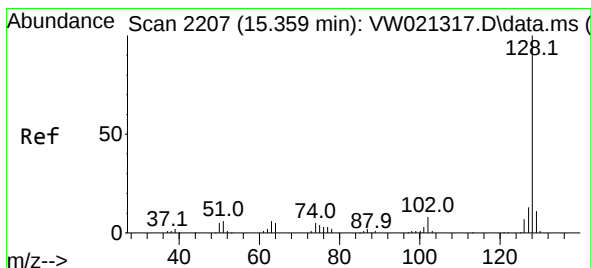
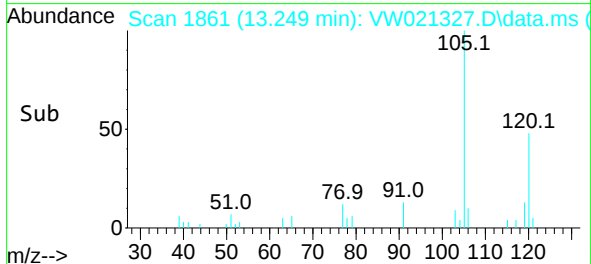
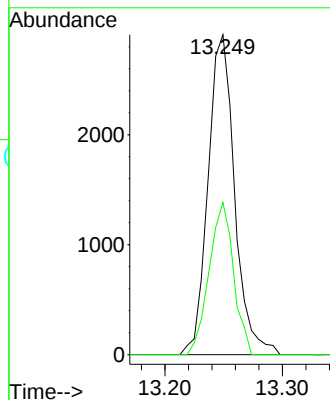
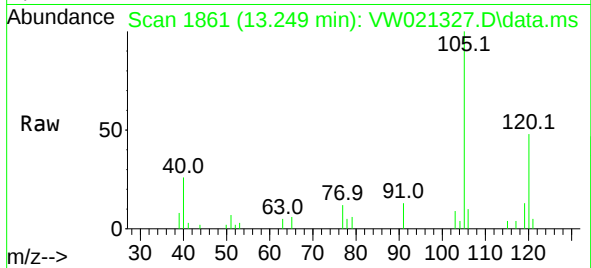




#63
1,2,4-Trimethylbenzene
Concen: 0.784 ug/L
RT: 13.249 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 4579
Ion Ratio Lower Upper
105 100
120 43.6 35.0 52.6



#71
Naphthalene
Concen: 0.981 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW021327.D
Acq: 11 Dec 2021 15:17

Tgt Ion:128 Resp: 3146
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 10.4 8.6 12.8

