

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122521\
 Data File : VW021645.D
 Acq On : 25 Dec 2021 14:56
 Operator : SY/VA
 Sample : M5174-16RE
 Misc : 7.66g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 27 00:40:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 01:43:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	77270	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	54067	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	15602	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	25080	17.822	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.280%
7) Chloroethane-d5	2.879	69	19052	20.479	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.920%
11) 1,1-Dichloroethene-d2	4.013	63	28752	15.325	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.280%
21) 2-Butanone-d5	7.092	46	17949	90.482	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	180.960%#
24) Chloroform-d	7.653	84	53385	24.792	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.160%
26) 1,2-Dichloroethane-d4	8.305	65	33502	29.248	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.000%
32) Benzene-d6	8.275	84	91882	31.003	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	124.000%
36) 1,2-Dichloropropane-d6	9.275	67	28348	35.667	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	142.680%#
41) Toluene-d8	10.323	98	72649	23.992	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.960%
43) trans-1,3-Dichloroprop...	10.579	79	10233	27.962	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.840%
47) 2-Hexanone-d5	10.927	63	14103	119.995	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	240.000%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	18712	27.387	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.560%
66) 1,2-Dichlorobenzene-d4	13.853	152	11257	18.617	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.480%#
Target Compounds						
					Qvalue	
13) Acetone	4.153	43	963	5.415	ug/L	93
17) trans-1,2-Dichloroethene	5.434	96	1041	1.004	ug/L	72
20) cis-1,2-Dichloroethene	7.165	96	8082	7.389	ug/L	75
29) Cyclohexane	7.964	56	665	0.618	ug/L	# 55
33) Benzene	8.323	78	3203	1.087	ug/L	100
34) Trichloroethene	9.092	95	1695	2.050	ug/L	89
35) Methylcyclohexane	9.335	83	1286	0.943	ug/L	93
37) 1,2-Dichloropropane	9.268	63	3611	5.496	ug/L	# 88
39) cis-1,3-Dichloropropene	10.030	75	921	0.889	ug/L	# 76
42) Toluene	10.384	91	10129	2.940	ug/L	86
46) Tetrachloroethene	10.860	164	1962	2.498	ug/L	91
48) 2-Hexanone	10.927	43	1738	6.695	ug/L	# 66
49) Dibromochloromethane	10.860	129	1676	2.528	ug/L	# 10
52) Ethylbenzene	11.731	91	9864	2.506	ug/L	91
53) m,p-Xylene	11.835	106	1195	0.753	ug/L	89
61) 1,2,3-Trichloropropane	13.554	75	1640	7.222	ug/L	# 60
63) 1,2,4-Trimethylbenzene	13.249	105	1209	0.679	ug/L	98

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MSVOA_W
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Quant Time: Dec 27 00:40:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 24 01:43:02 2021
Response via : Initial Calibration

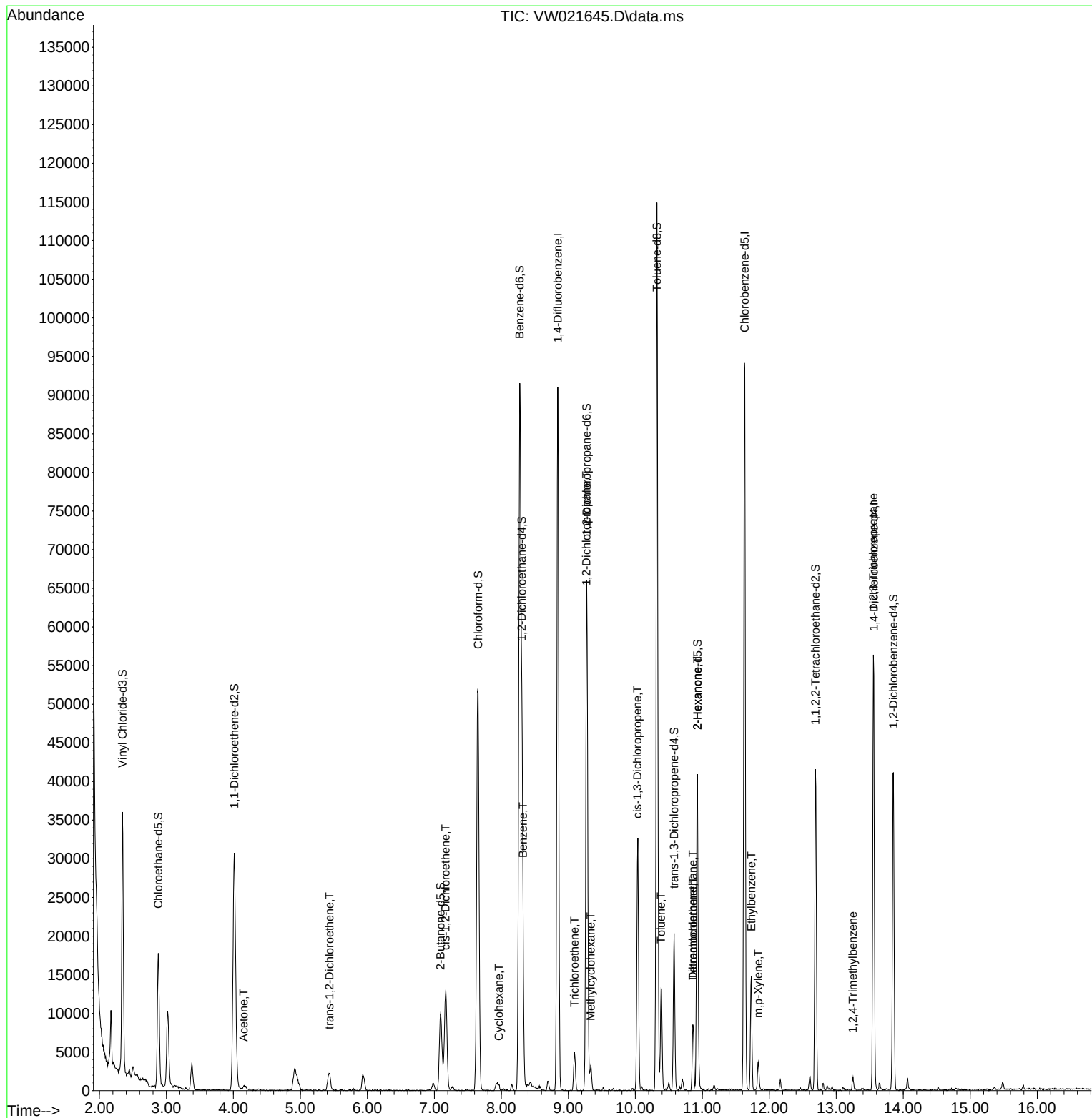
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

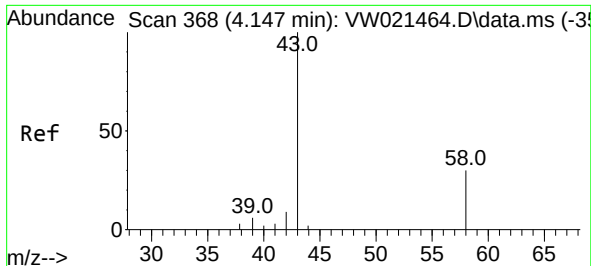
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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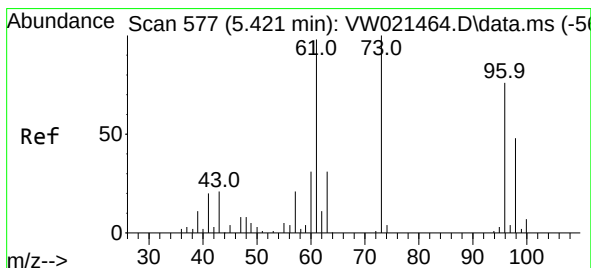
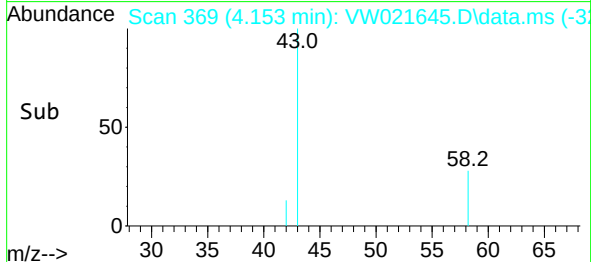
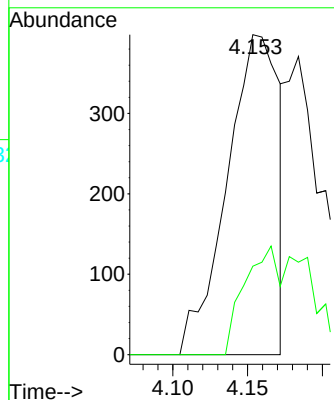
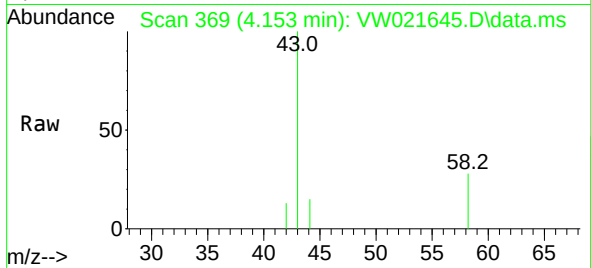




#13
Acetone
Concen: 5.415 ug/L
RT: 4.153 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

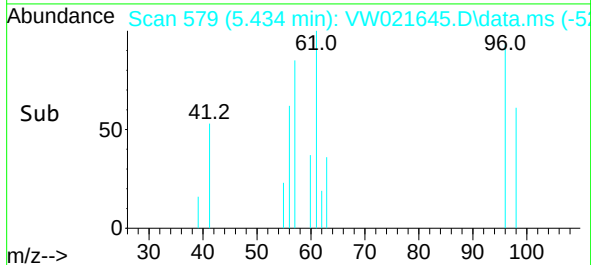
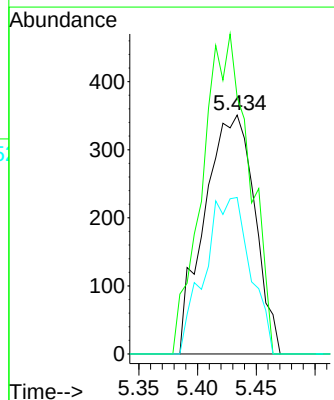
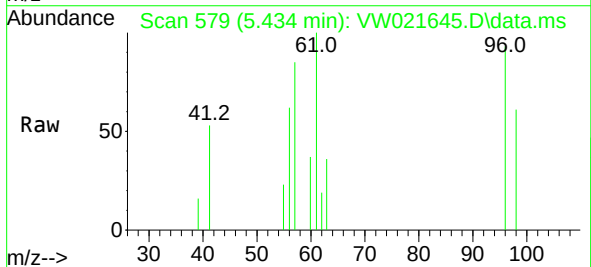
Instrument :
MSVOA_W
ClientSampleId :

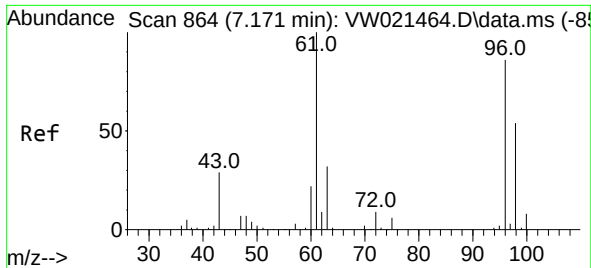
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 22.6 0.0 52.8



#17
trans-1,2-Dichloroethene
Concen: 1.004 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

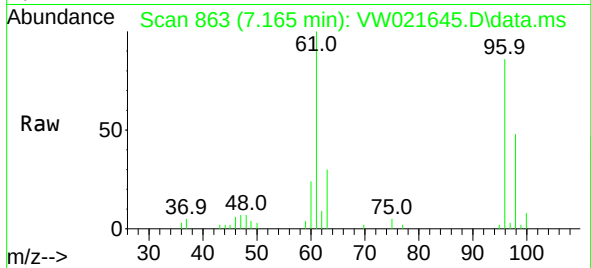
Tgt Ion: 96 Resp: 1041
Ion Ratio Lower Upper
96 100
61 107.4 107.4 199.4
98 65.5 41.2 76.6





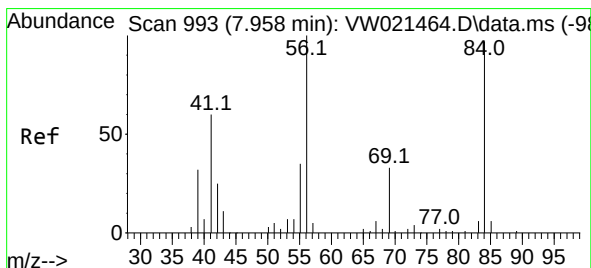
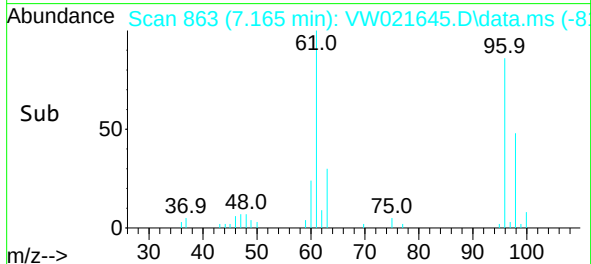
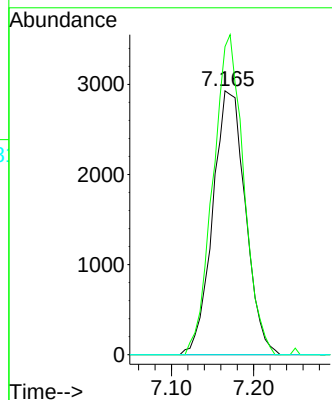
#20
 cis-1,2-Dichloroethene
 Concen: 7.389 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VW021645.D
 Acq: 25 Dec 2021 14:56

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 96 Resp: 8082

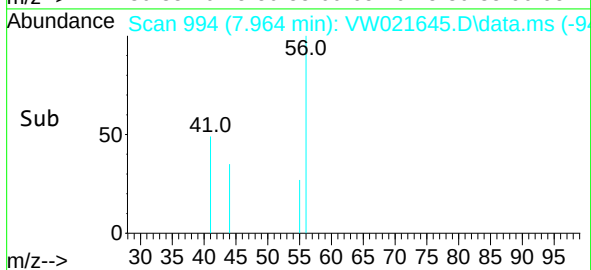
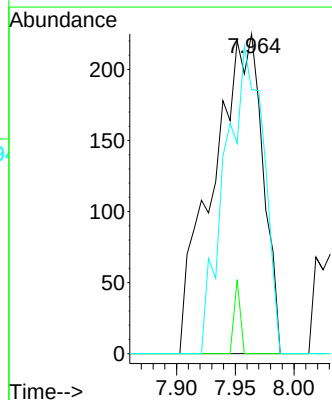
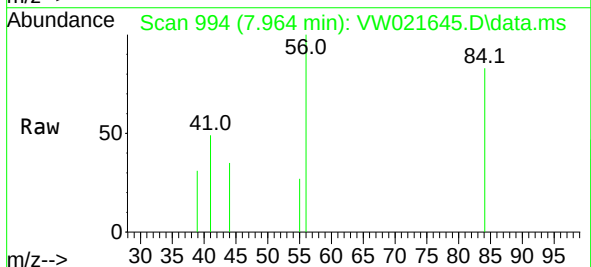
Ion	Ratio	Lower	Upper
96	100		
61	116.7	103.7	192.7
68	0.0	0.0	0.0

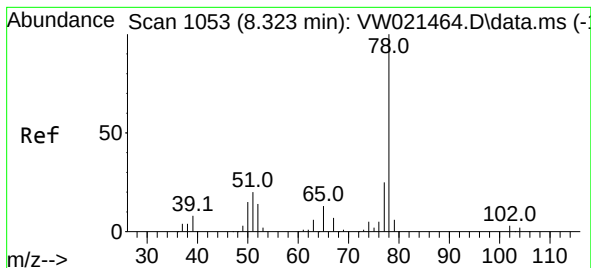


#29
 Cyclohexane
 Concen: 0.618 ug/L
 RT: 7.964 min Scan# 994
 Delta R.T. 0.006 min
 Lab File: VW021645.D
 Acq: 25 Dec 2021 14:56

Tgt Ion: 56 Resp: 665

Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.5	35.3#
84	42.9	63.4	95.2#





#33

Benzene

Concen: 1.087 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VW021645.D

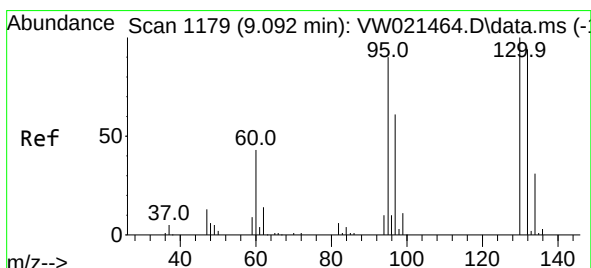
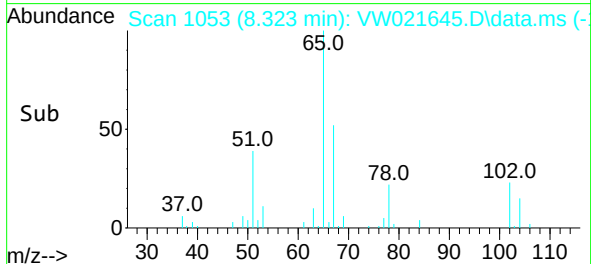
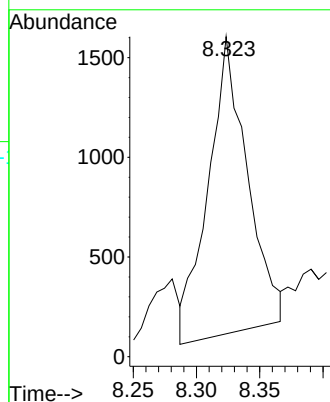
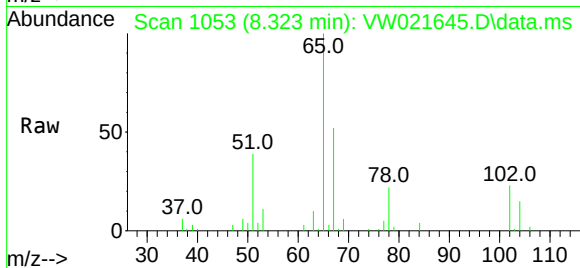
Acq: 25 Dec 2021 14:56

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 3203



#34

Trichloroethene

Concen: 2.050 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW021645.D

Acq: 25 Dec 2021 14:56

Tgt Ion: 95 Resp: 1695

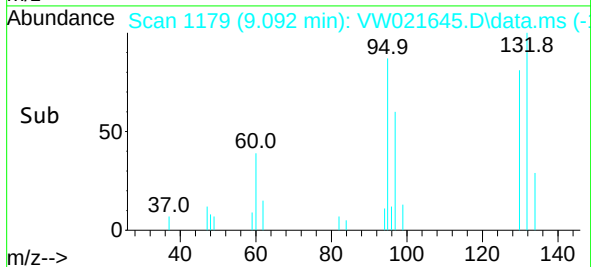
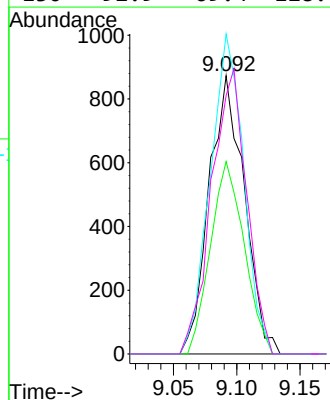
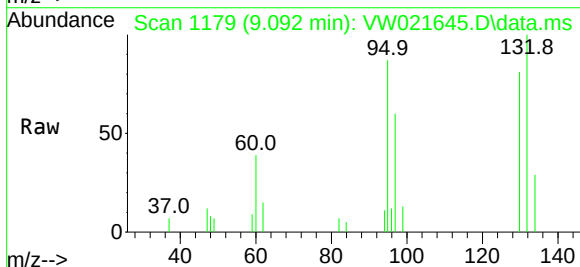
Ion Ratio Lower Upper

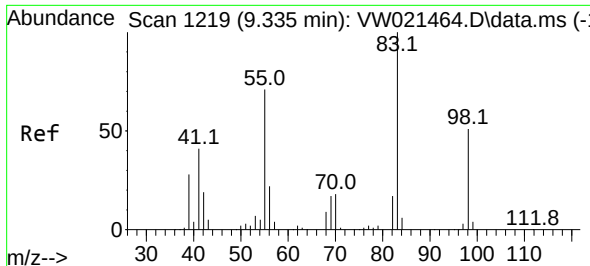
95 100

97 69.2 47.0 87.2

132 115.0 65.5 121.6

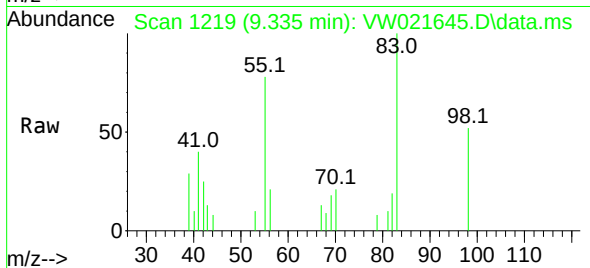
130 92.9 69.4 128.8



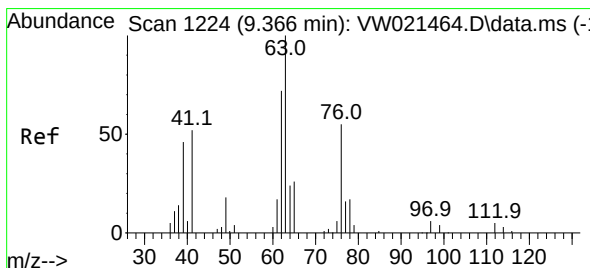
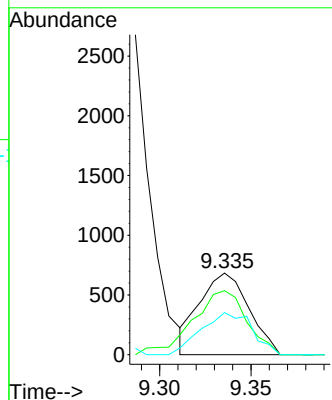
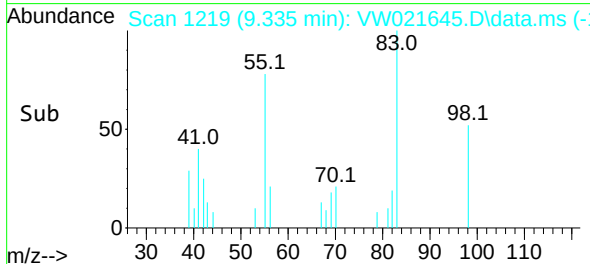


#35
Methylcyclohexane
Concen: 0.943 ug/L
RT: 9.335 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

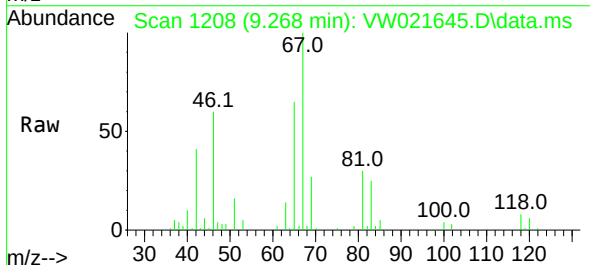
Instrument :
MSVOA_W
ClientSampleId :



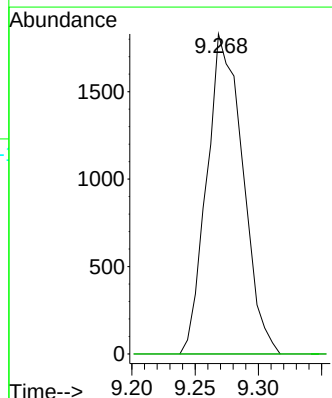
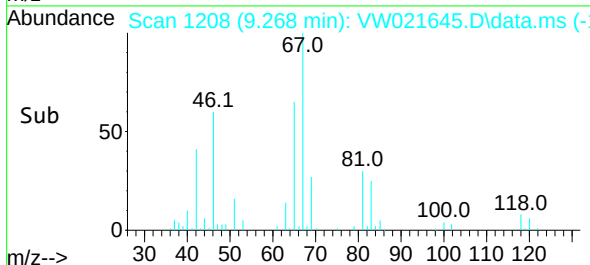
Tgt Ion: 83 Resp: 1286
Ion Ratio Lower Upper
83 100
55 82.5 70.8 106.2
98 53.4 37.7 56.5

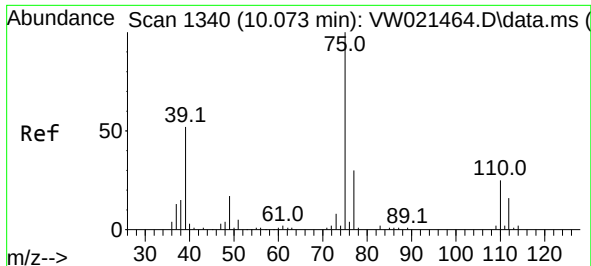


#37
1,2-Dichloropropane
Concen: 5.496 ug/L
RT: 9.268 min Scan# 1208
Delta R.T. -0.104 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56



Tgt Ion: 63 Resp: 3611
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.889 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021645.D

Acq: 25 Dec 2021 14:56

Instrument :

MSVOA_W

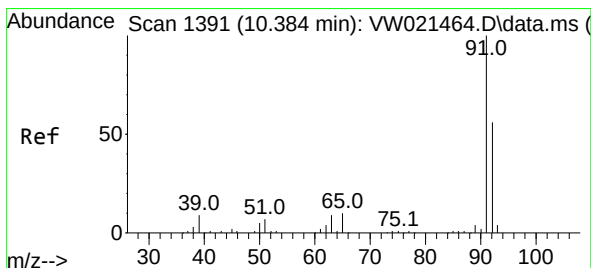
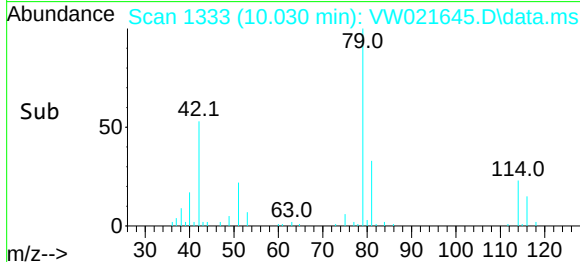
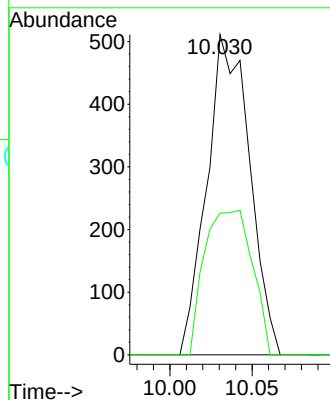
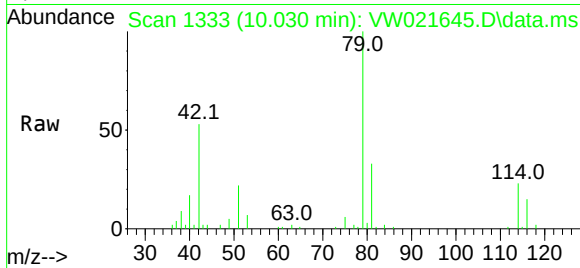
ClientSampleId :

Tgt Ion: 75 Resp: 921

Ion Ratio Lower Upper

75 100

77 44.2 21.8 40.6#



#42

Toluene

Concen: 2.940 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW021645.D

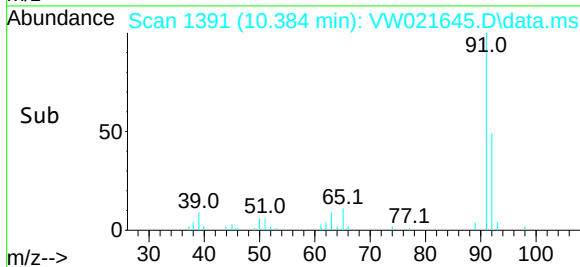
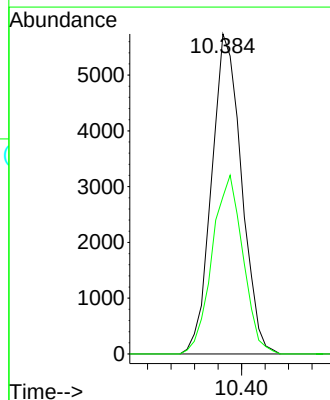
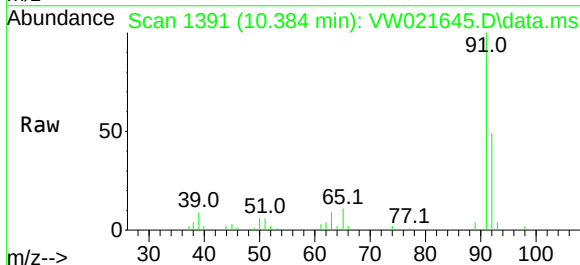
Acq: 25 Dec 2021 14:56

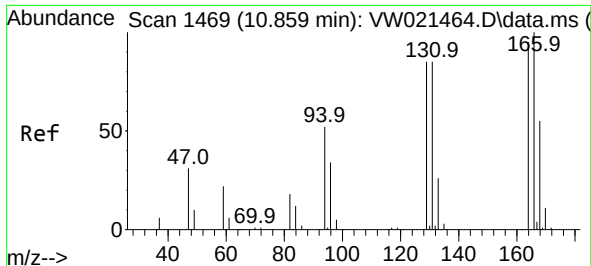
Tgt Ion: 91 Resp: 10129

Ion Ratio Lower Upper

91 100

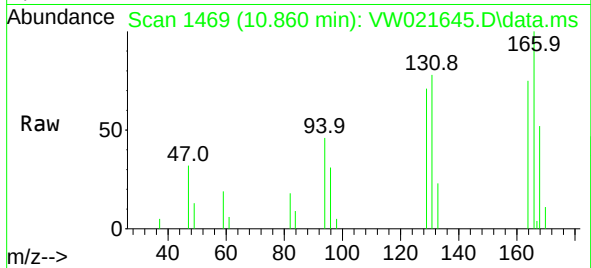
92 49.1 41.7 77.5



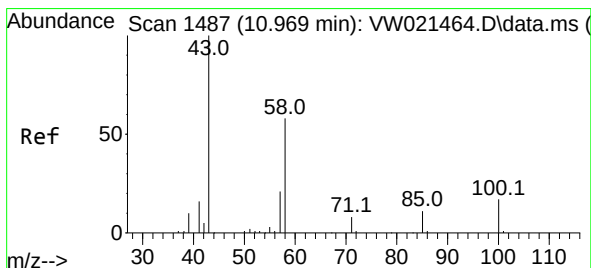
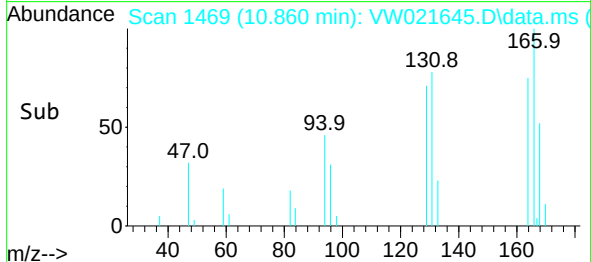
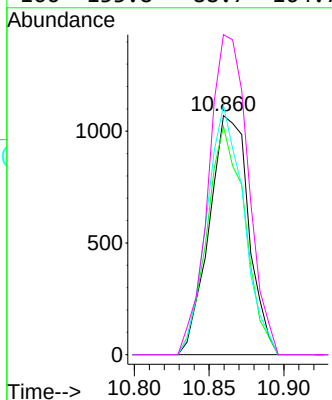


#46
Tetrachloroethene
Concen: 2.498 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

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ClientSampleId :

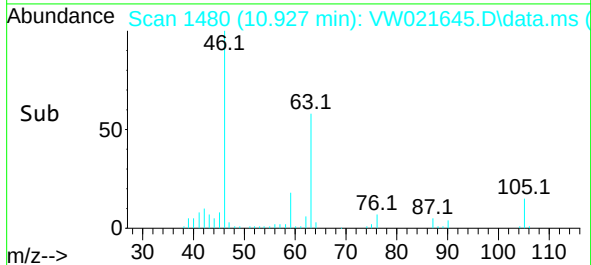
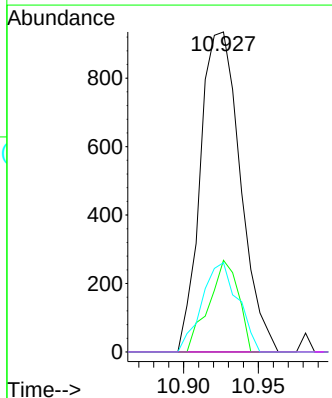
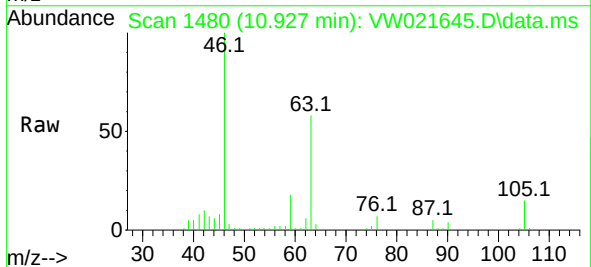


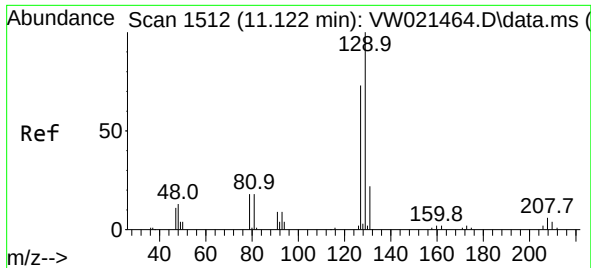
Tgt Ion:	164	Resp:	1962
Ion	Ratio	Lower	Upper
164	100		
129	95.4	65.5	121.7
131	104.2	59.7	110.9
166	133.8	88.7	164.7



#48
2-Hexanone
Concen: 6.695 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

Tgt Ion:	43	Resp:	1738
Ion	Ratio	Lower	Upper
43	100		
58	21.2	40.2	60.2#
57	25.2	14.3	21.5#
100	0.0	8.0	12.0#





#49

Dibromochloromethane

Concen: 2.528 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.268 min

Lab File: VW021645.D

Acq: 25 Dec 2021 14:56

Instrument :

MSVOA_W

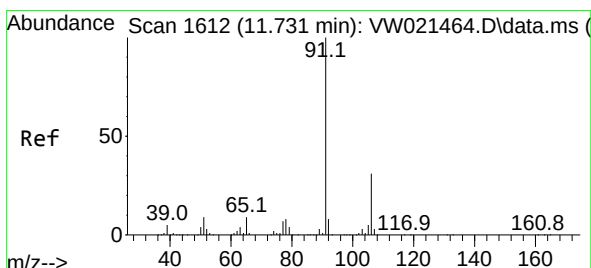
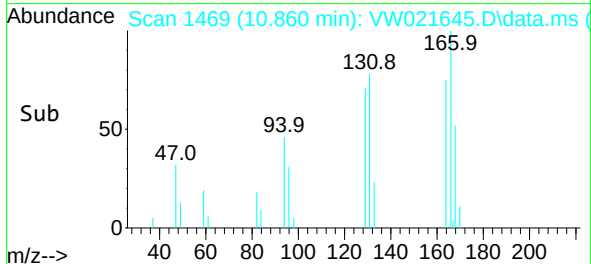
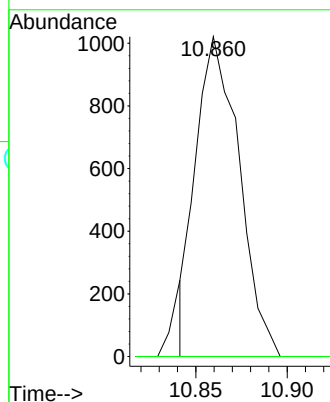
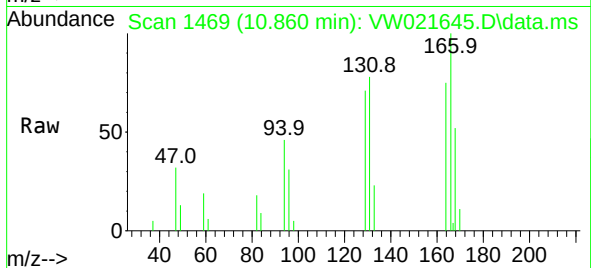
ClientSampleId :

Tgt Ion:129 Resp: 1676

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#



#52

Ethylbenzene

Concen: 2.506 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VW021645.D

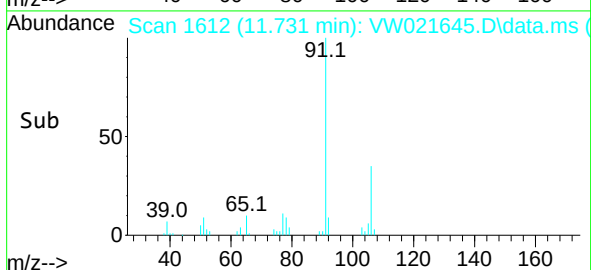
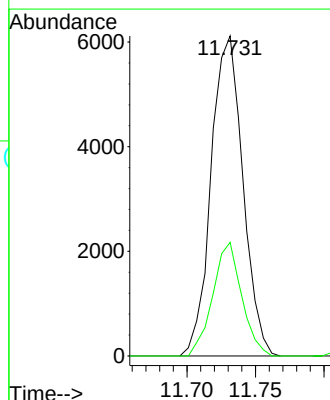
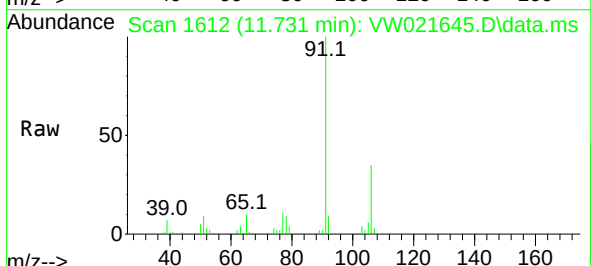
Acq: 25 Dec 2021 14:56

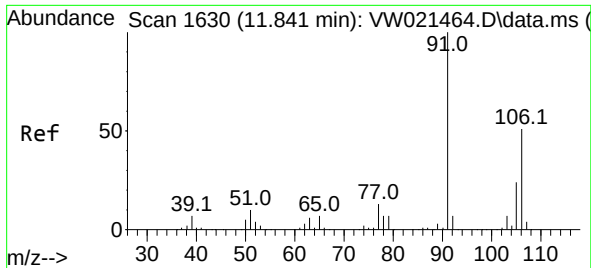
Tgt Ion: 91 Resp: 9864

Ion Ratio Lower Upper

91 100

106 35.5 21.5 39.9

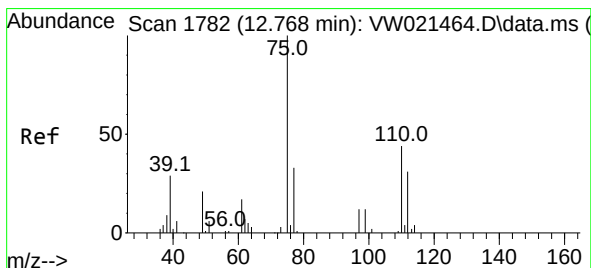
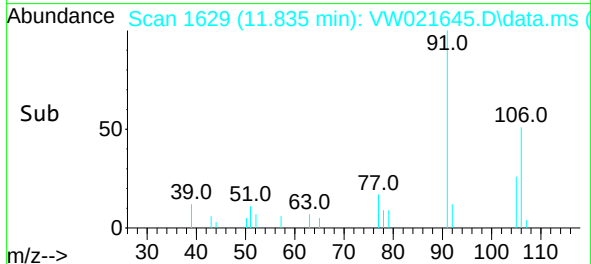
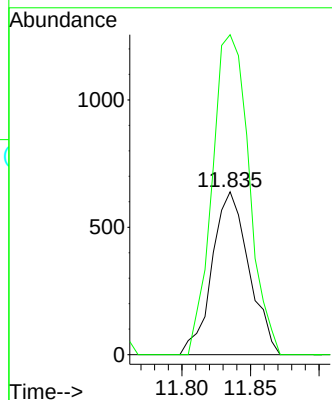
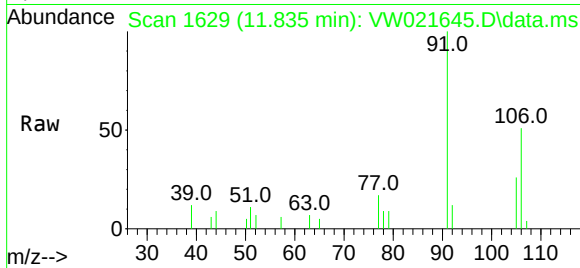




#53
m,p-Xylene
Concen: 0.753 ug/L
RT: 11.835 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

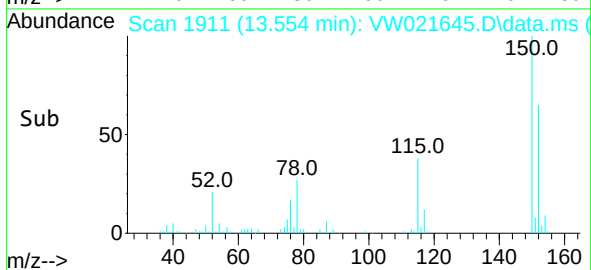
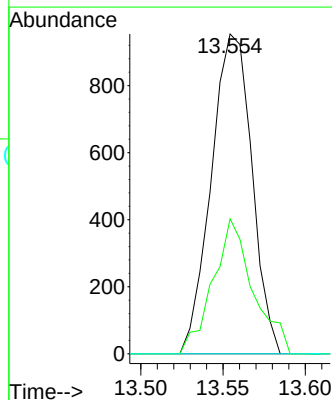
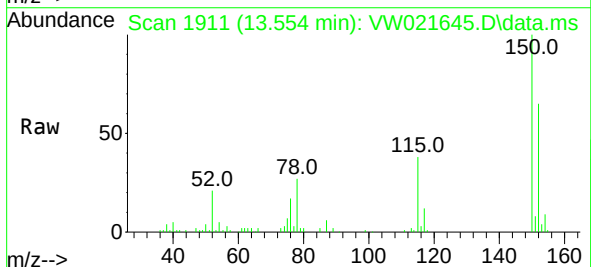
Instrument :
MSVOA_W
ClientSampleId :

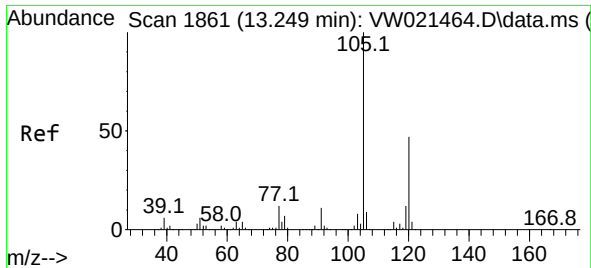
Tgt Ion:106 Resp: 1195
Ion Ratio Lower Upper
106 100
91 196.6 149.9 278.3



#61
1,2,3-Trichloropropane
Concen: 7.222 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.787 min
Lab File: VW021645.D
Acq: 25 Dec 2021 14:56

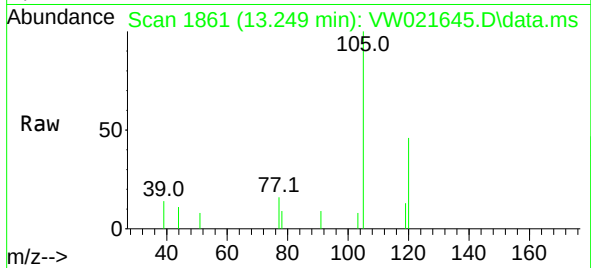
Tgt Ion: 75 Resp: 1640
Ion Ratio Lower Upper
75 100
77 41.8 25.8 38.8#
110 0.0 29.0 43.4#





#63
 1,2,4-Trimethylbenzene
 Concen: 0.679 ug/L
 RT: 13.249 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW021645.D
 Acq: 25 Dec 2021 14:56

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:105 Resp: 1209
 Ion Ratio Lower Upper
 105 100
 120 42.3 35.0 52.6

