

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021605.D
 Acq On : 23 Dec 2021 11:39
 Operator : SY/VA
 Sample : M5174-01
 Misc : 4.70g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 24 00:32:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 24 00:28:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	114834	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	80670	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	20393	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	33513	16.024	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.080%
7) Chloroethane-d5	2.873	69	26418	19.108	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.440%
11) 1,1-Dichloroethene-d2	4.013	63	39748	14.255	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.040%
21) 2-Butanone-d5	7.080	46	20407	69.221	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.440%#
24) Chloroform-d	7.647	84	68837	21.510	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.040%
26) 1,2-Dichloroethane-d4	8.305	65	40088	23.550	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	8.269	84	120521	27.256	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.040%
36) 1,2-Dichloropropane-d6	9.275	67	36243	30.562	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.240%#
41) Toluene-d8	10.323	98	100779	22.306	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.240%
43) trans-1,3-Dichloroprop...	10.579	79	13570	24.852	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.400%
47) 2-Hexanone-d5	10.921	63	16655	94.977	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	189.960%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	25073	24.595	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	13.847	152	14825	18.758	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	75.040%
Target Compounds						
					Qvalue	
13) Acetone	4.154	43	3167	11.983	ug/L	95
22) 2-Butanone	7.183	43	901	2.611	ug/L	86
33) Benzene	8.323	78	3304	0.752	ug/L	100
35) Methylcyclohexane	9.329	83	2719	1.336	ug/L	89
37) 1,2-Dichloropropane	9.275	63	4651	4.745	ug/L	# 88
39) cis-1,3-Dichloropropene	10.037	75	1232	0.797	ug/L	# 68
42) Toluene	10.390	91	10522	2.047	ug/L	93
45) 1,1,2-Trichloroethane	10.756	97	398	0.496	ug/L	# 14
46) Tetrachloroethene	10.860	164	4406	3.760	ug/L	95
49) Dibromochloromethane	10.866	129	3780	3.822	ug/L	# 10
52) Ethylbenzene	11.731	91	6895	1.174	ug/L	98
53) m,p-Xylene	11.835	106	5250	2.216	ug/L	86
54) o-Xylene	12.164	106	3451	1.535	ug/L	93
60) Isopropylbenzene	12.463	105	1745	0.630	ug/L	100
62) 1,3,5-Trimethylbenzene	12.945	105	6569	2.786	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	13620	5.855	ug/L	99
71) Naphthalene	15.365	128	1989	1.558	ug/L	96

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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 24 00:32:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 24 00:28:54 2021
Response via : Initial Calibration

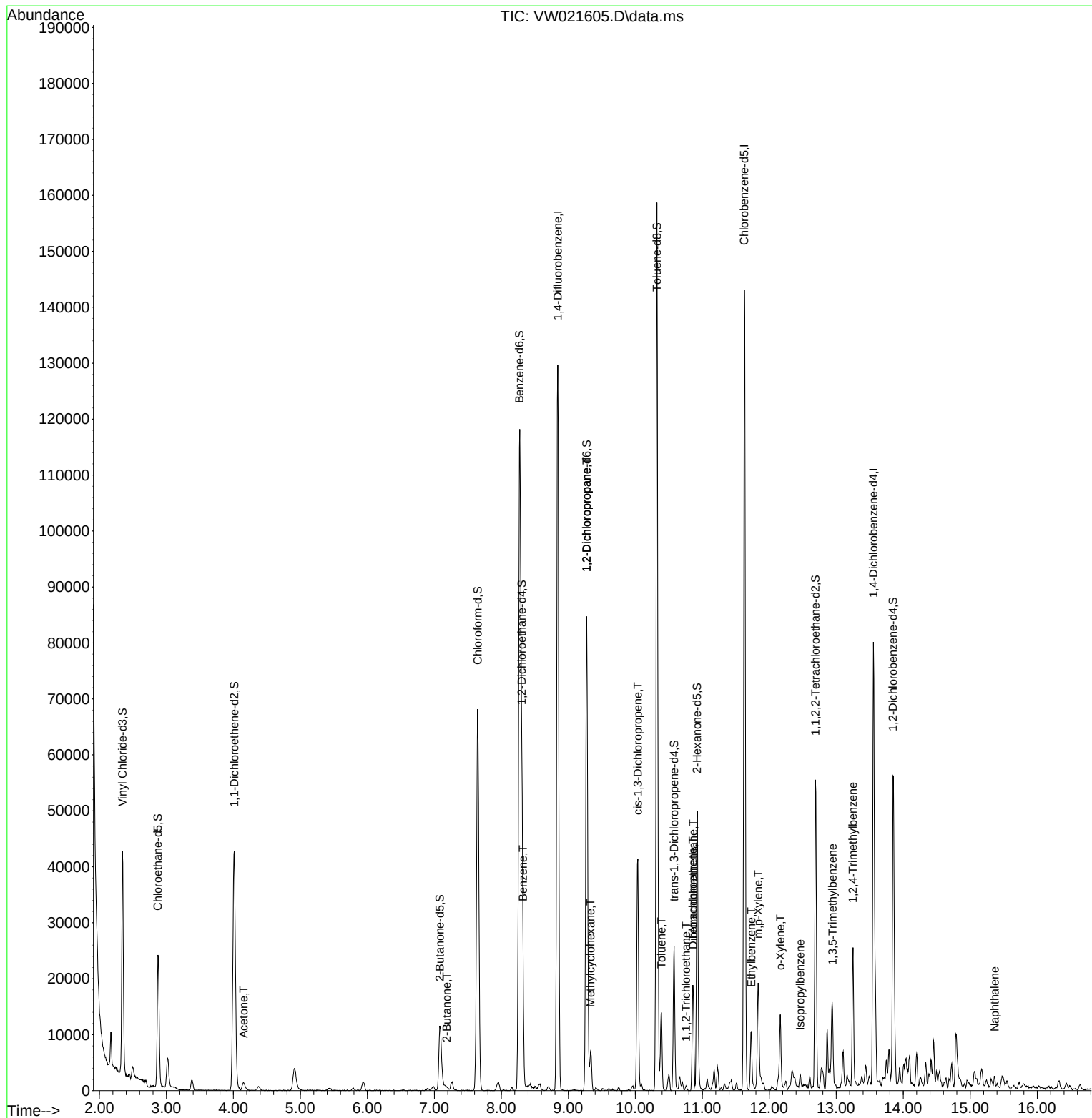
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

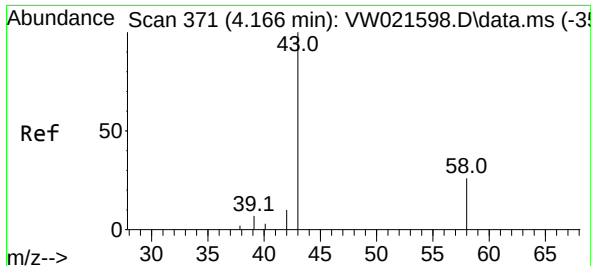
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Fri Dec 24 00:28:54 2021
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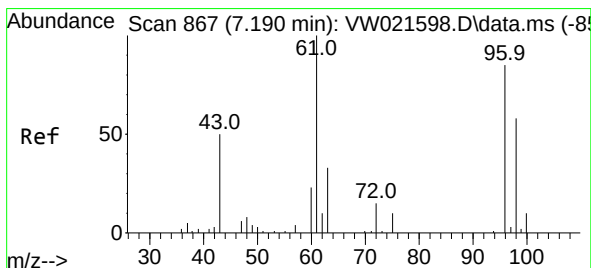
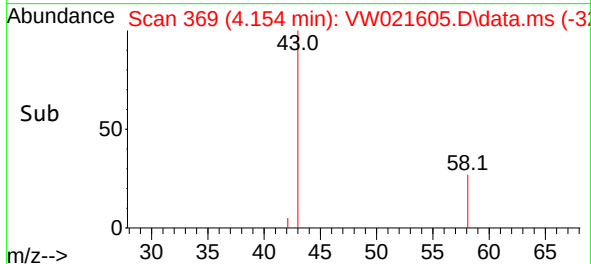
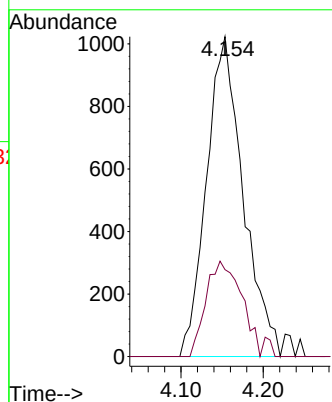
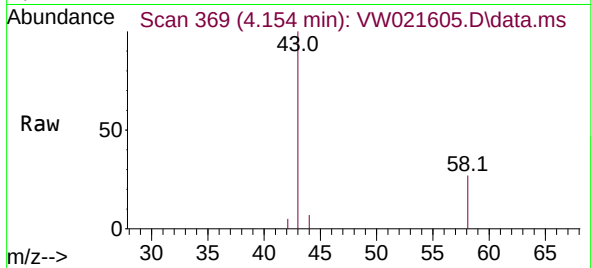




#13
Acetone
Concen: 11.983 ug/L
RT: 4.154 min Scan# 31
Delta R.T. -0.012 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

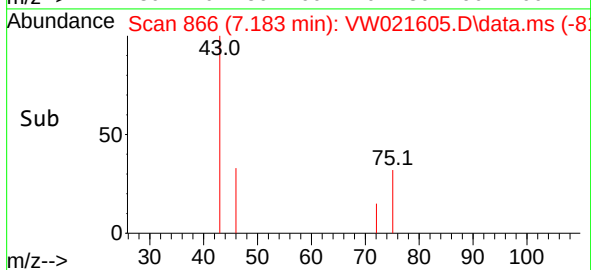
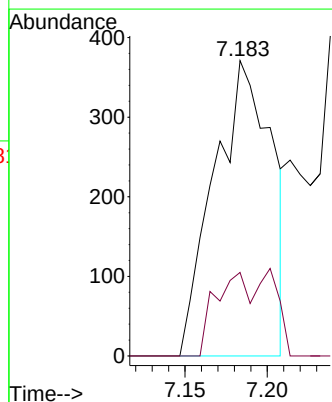
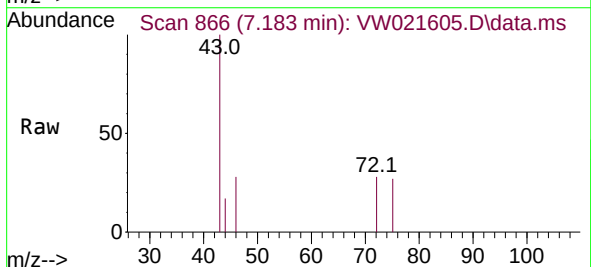
Instrument :
MSVOA_W
ClientSampleId :

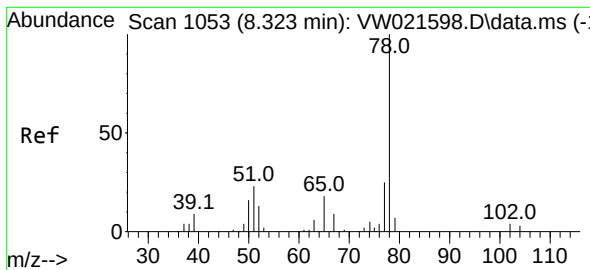
Tgt Ion: 43 Resp: 3167
Ion Ratio Lower Upper
43 100
58 28.9 0.0 52.8



#22
2-Butanone
Concen: 2.611 ug/L
RT: 7.183 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
72 16.9 11.8 35.4





#33

Benzene

Concen: 0.752 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VW021605.D

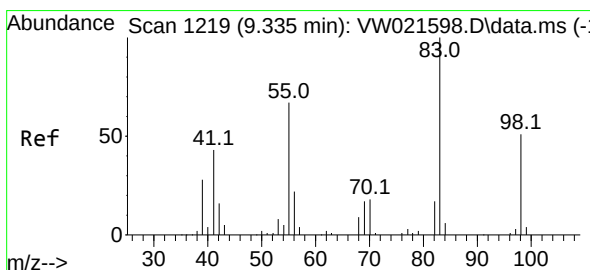
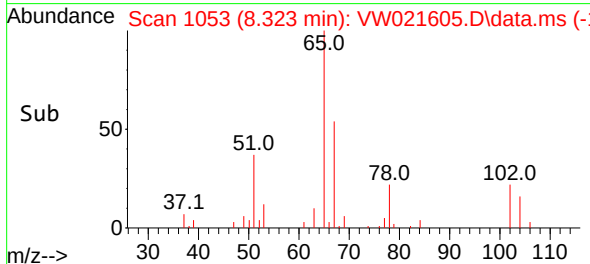
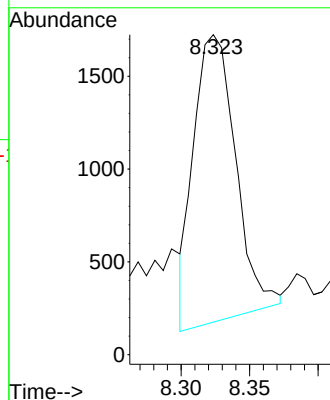
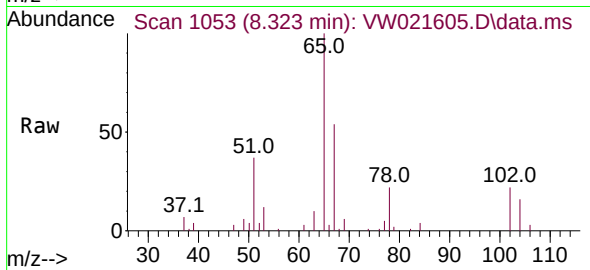
Acq: 23 Dec 2021 11:39

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 3304



#35

Methylcyclohexane

Concen: 1.336 ug/L

RT: 9.329 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VW021605.D

Acq: 23 Dec 2021 11:39

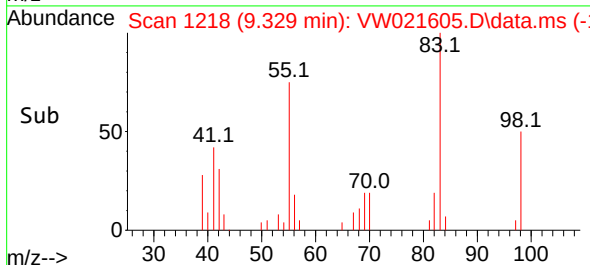
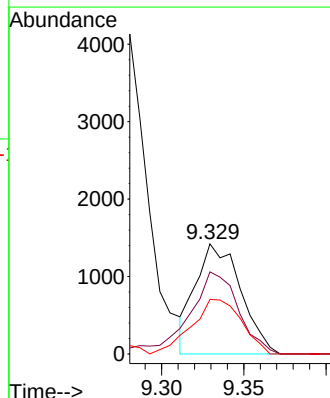
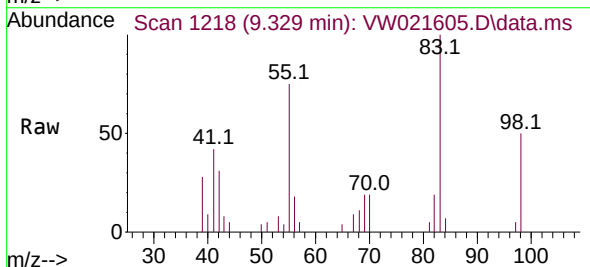
Tgt Ion: 83 Resp: 2719

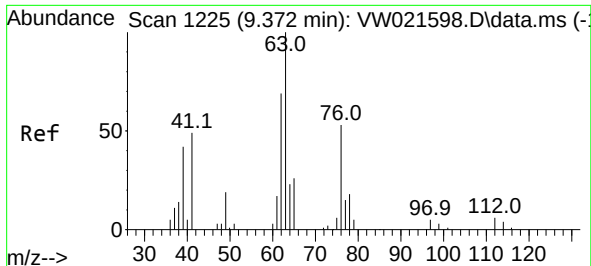
Ion Ratio Lower Upper

83 100

55 78.3 70.8 106.2

98 54.6 37.7 56.5





#37

1,2-Dichloropropane

Concen: 4.745 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.098 min

Lab File: VW021605.D

Acq: 23 Dec 2021 11:39

Instrument :

MSVOA_W

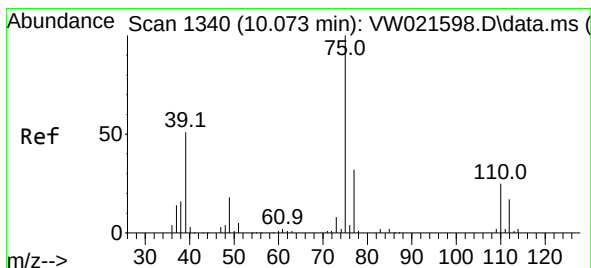
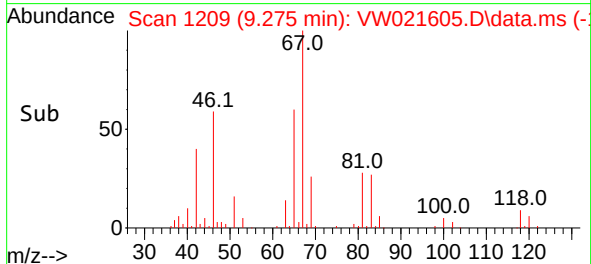
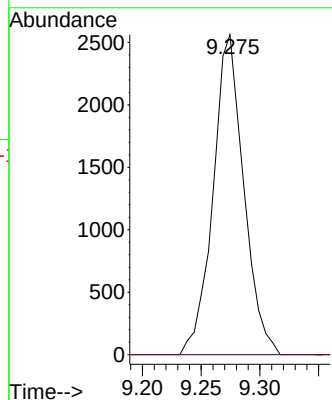
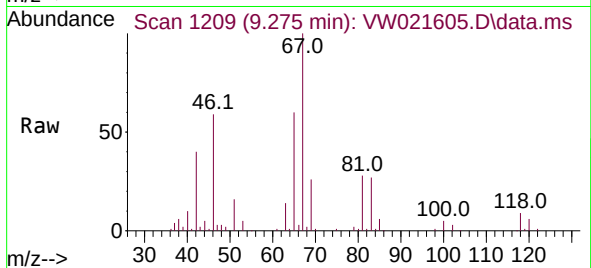
ClientSampleId :

Tgt Ion: 63 Resp: 4651

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.797 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021605.D

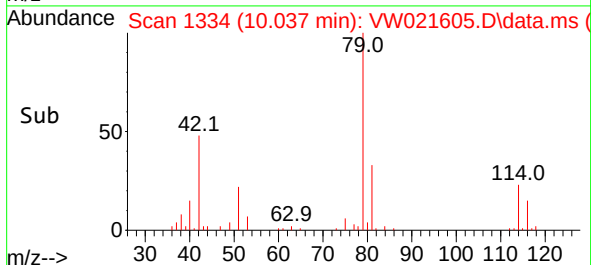
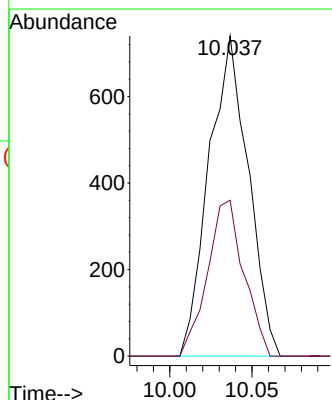
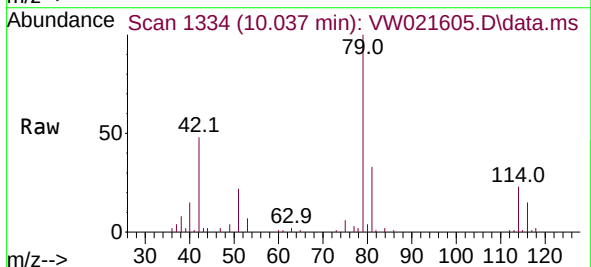
Acq: 23 Dec 2021 11:39

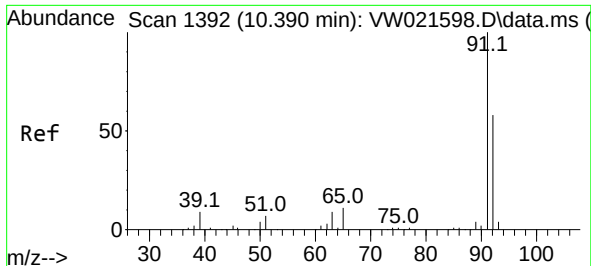
Tgt Ion: 75 Resp: 1232

Ion Ratio Lower Upper

75 100

77 48.6 21.8 40.6#

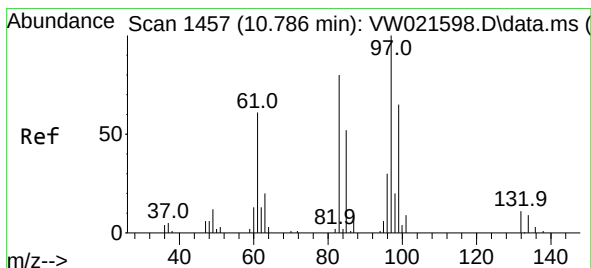
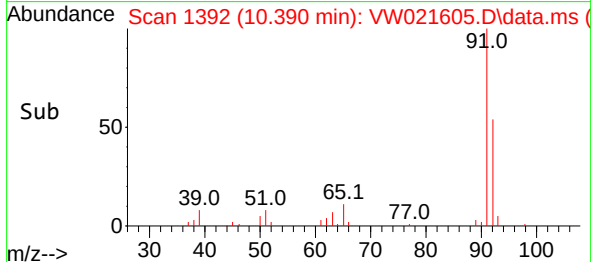
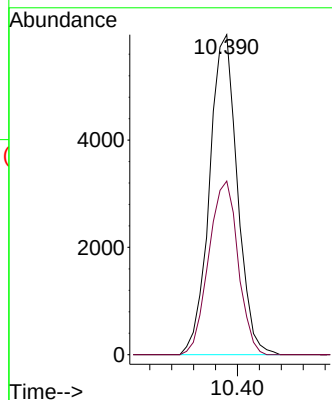
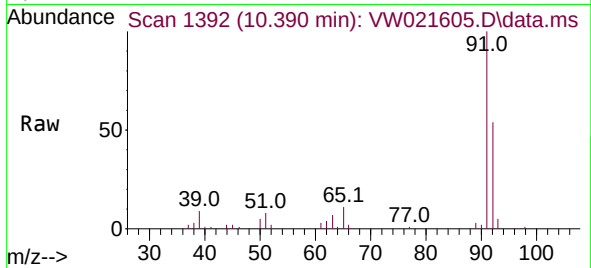




#42
Toluene
Concen: 2.047 ug/L
RT: 10.390 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

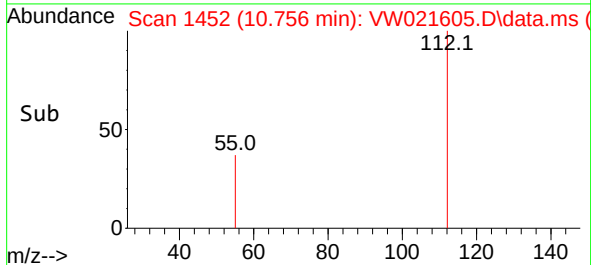
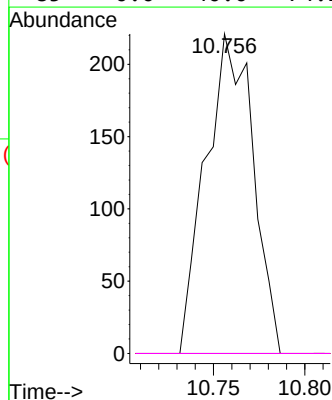
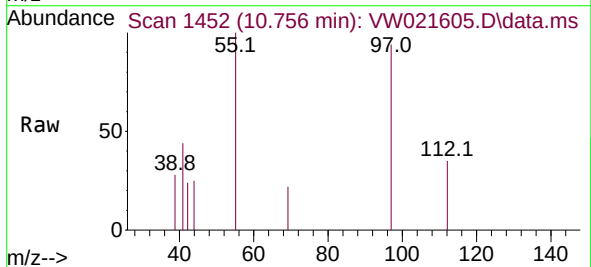
Instrument :
MSVOA_W
ClientSampleId :

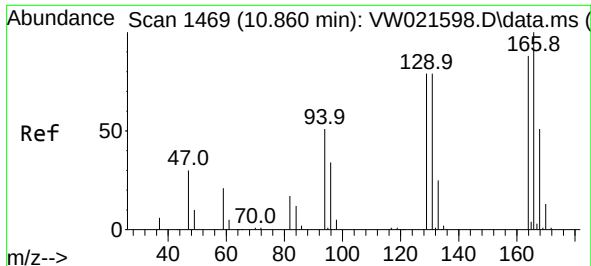
Tgt Ion: 91 Resp: 10522
Ion Ratio Lower Upper
91 100
92 54.2 41.7 77.5



#45
1,1,2-Trichloroethane
Concen: 0.496 ug/L
RT: 10.756 min Scan# 1452
Delta R.T. -0.030 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

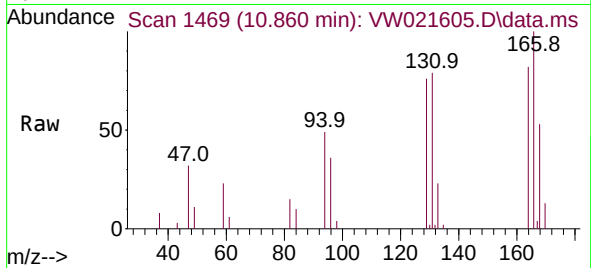
Tgt Ion: 97 Resp: 398
Ion Ratio Lower Upper
97 100
99 0.0 43.0 79.8#
83 0.0 62.6 116.3#
85 0.0 40.0 74.2#



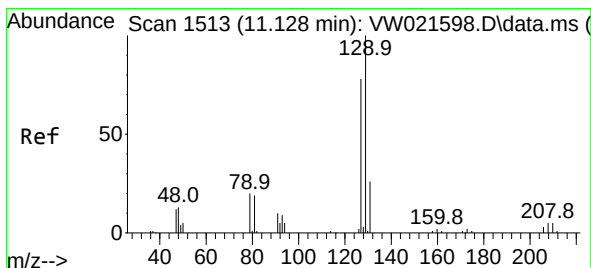
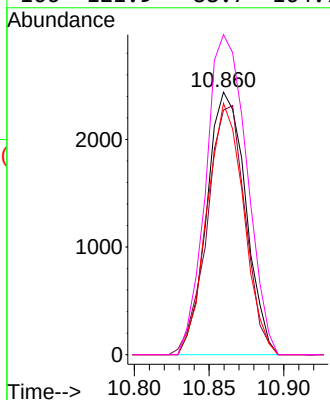
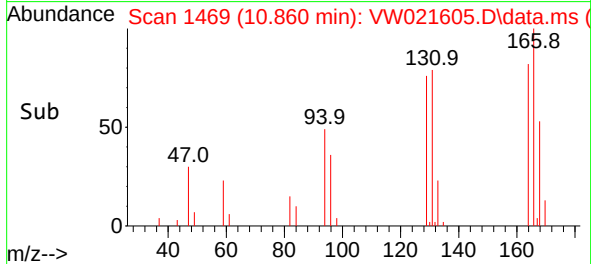


#46
Tetrachloroethene
Concen: 3.760 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

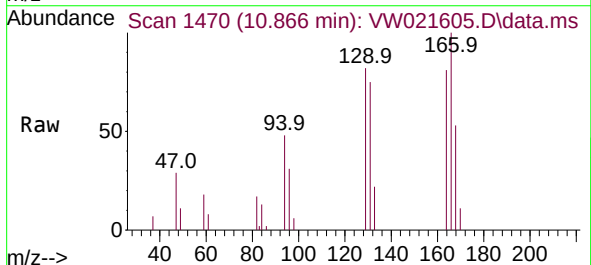
Instrument :
MSVOA_W
ClientSampleId :



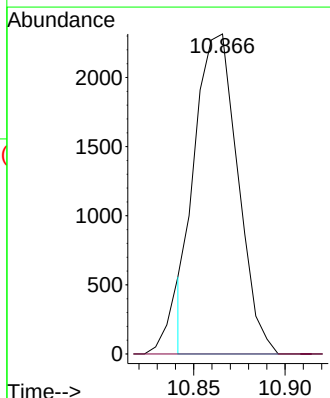
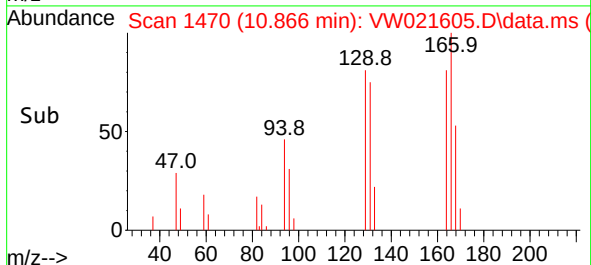
Tgt Ion:164 Resp: 4406
Ion Ratio Lower Upper
164 100
129 93.1 65.5 121.7
131 95.7 59.7 110.9
166 121.9 88.7 164.7

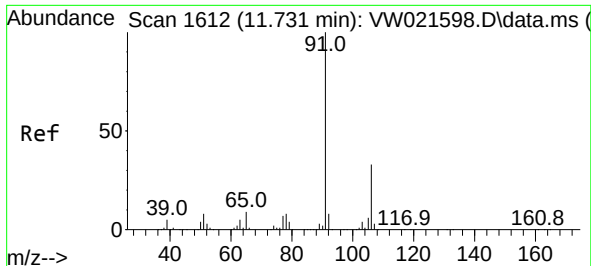


#49
Dibromochloromethane
Concen: 3.822 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.262 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39



Tgt Ion:129 Resp: 3780
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#

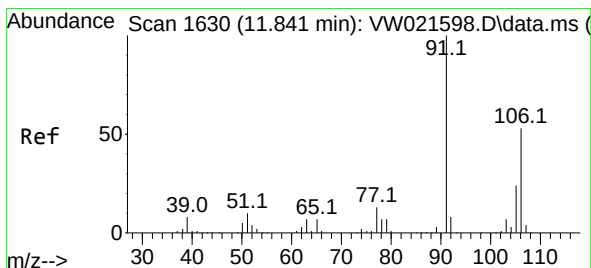
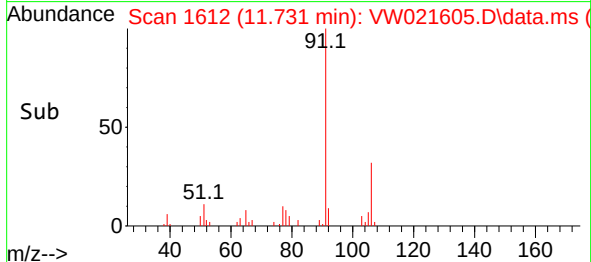
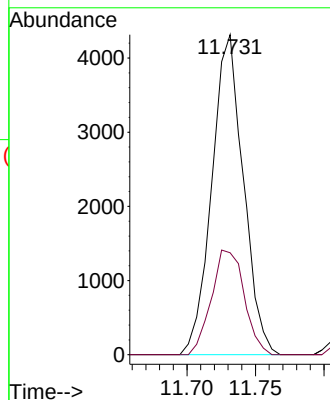
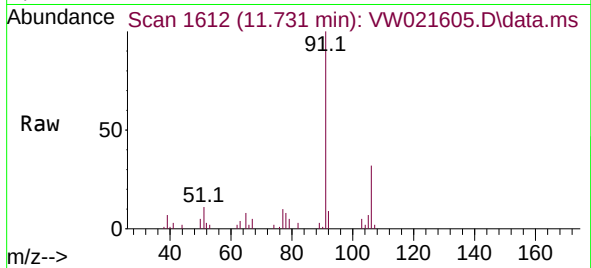




#52
Ethylbenzene
Concen: 1.174 ug/L
RT: 11.731 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

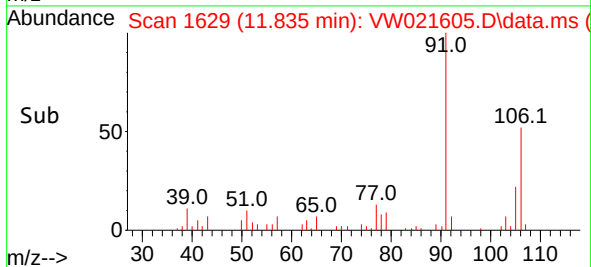
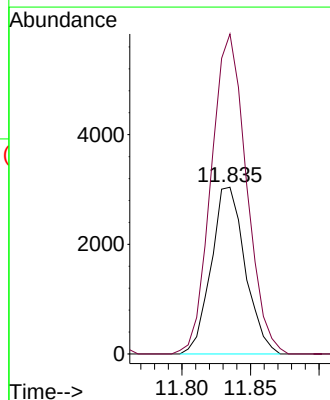
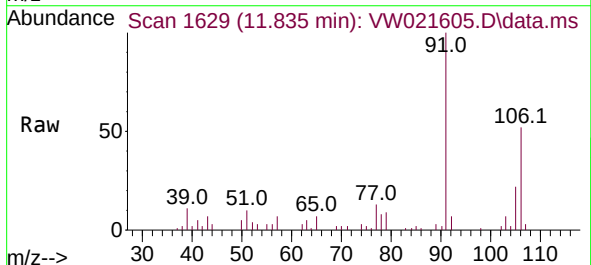
Instrument :
MSVOA_W
ClientSampleId :

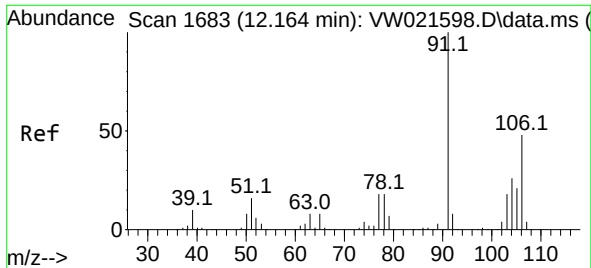
Tgt Ion: 91 Resp: 6895
Ion Ratio Lower Upper
91 100
106 31.9 21.5 39.9



#53
m,p-Xylene
Concen: 2.216 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

Tgt Ion: 106 Resp: 5250
Ion Ratio Lower Upper
106 100
91 191.9 149.9 278.3

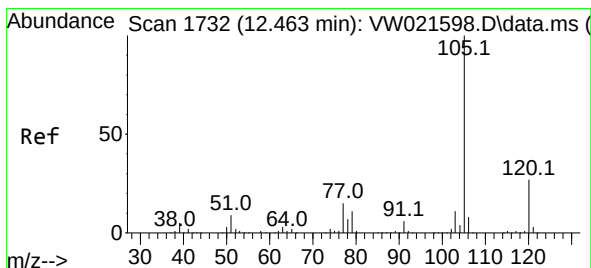
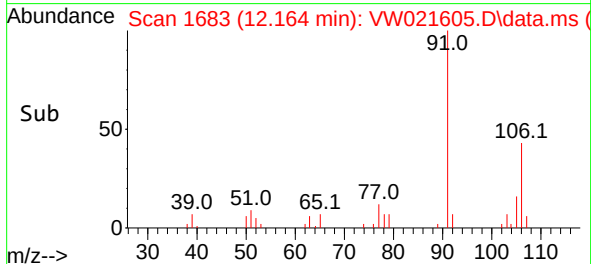
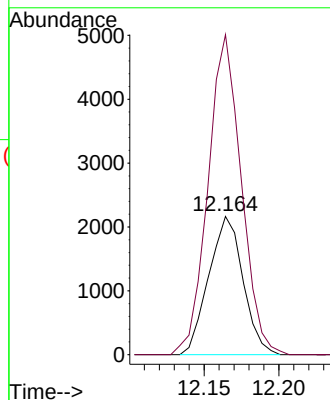
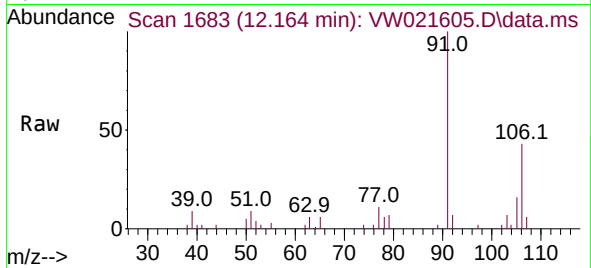




#54
o-Xylene
Concen: 1.535 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

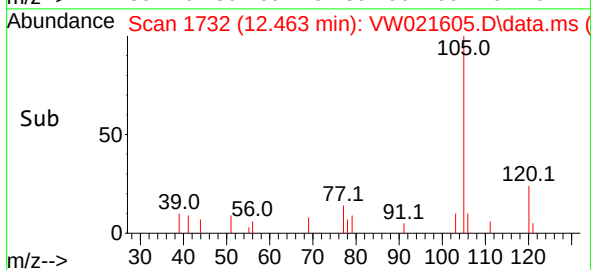
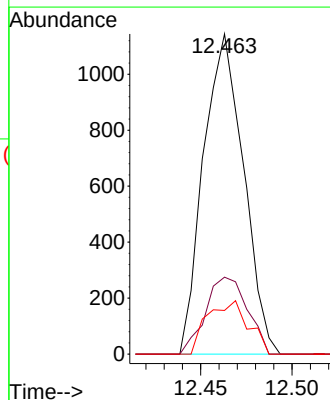
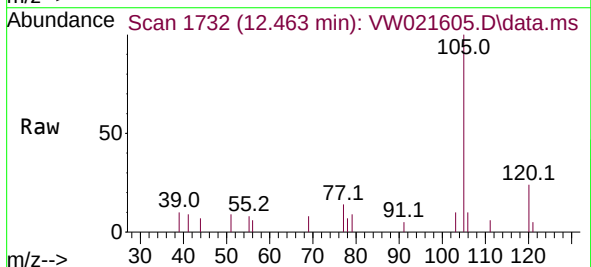
Instrument :
MSVOA_W
ClientSampleId :

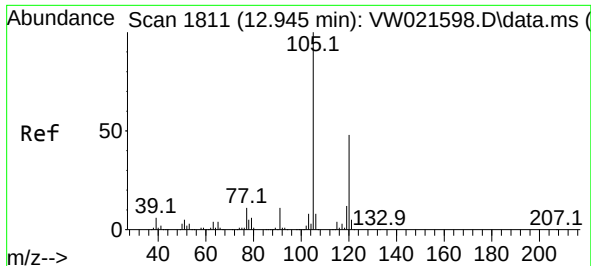
Tgt Ion:106 Resp: 3451
Ion Ratio Lower Upper
106 100
91 231.3 153.6 285.3



#60
Isopropylbenzene
Concen: 0.630 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

Tgt Ion:105 Resp: 1745
Ion Ratio Lower Upper
105 100
120 25.1 20.1 30.1
77 17.0 13.8 20.8

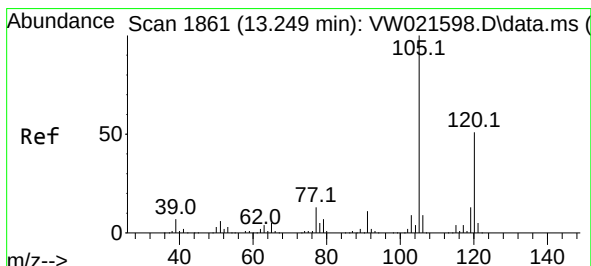
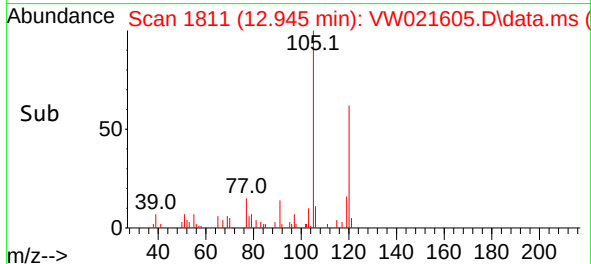
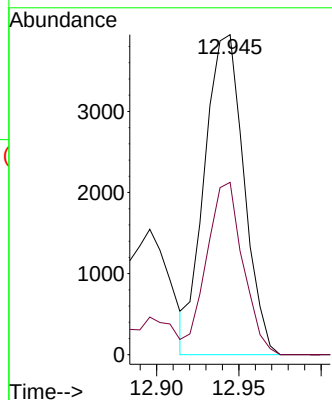
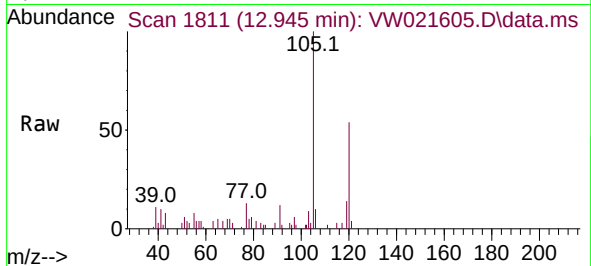




#62
 1,3,5-Trimethylbenzene
 Concen: 2.786 ug/L
 RT: 12.945 min Scan# 1811
 Delta R.T. 0.000 min
 Lab File: VW021605.D
 Acq: 23 Dec 2021 11:39

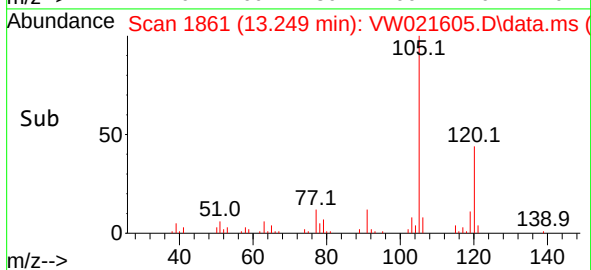
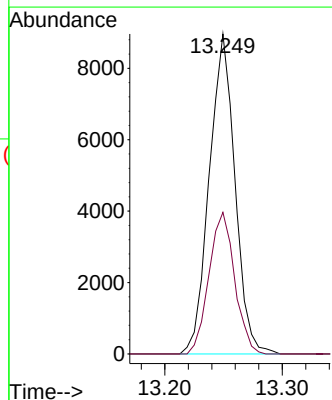
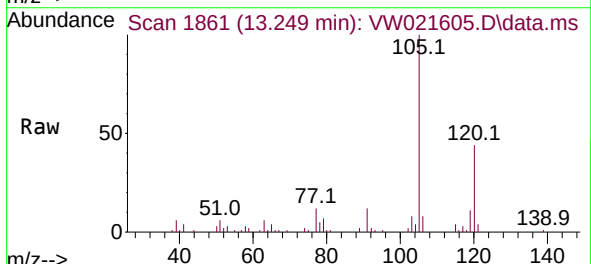
Instrument :
 MSVOA_W
 ClientSampleId :

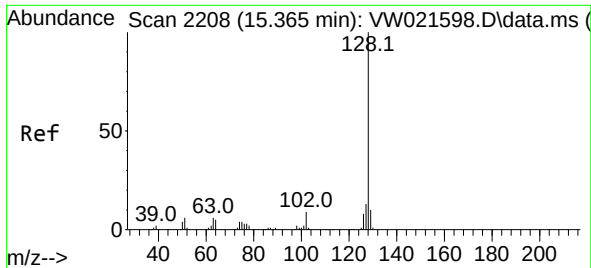
Tgt Ion:105 Resp: 6569
 Ion Ratio Lower Upper
 105 100
 120 50.0 37.4 56.2



#63
 1,2,4-Trimethylbenzene
 Concen: 5.855 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: VW021605.D
 Acq: 23 Dec 2021 11:39

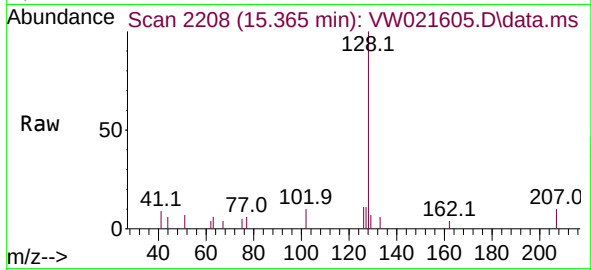
Tgt Ion:105 Resp: 13620
 Ion Ratio Lower Upper
 105 100
 120 44.1 35.0 52.6





#71
Naphthalene
Concen: 1.558 ug/L
RT: 15.365 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW021605.D
Acq: 23 Dec 2021 11:39

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.7	16.1
129	9.4	8.6	12.8

