

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021013.D
 Acq On : 02 Dec 2021 00:40
 Operator : SY/VA
 Sample : M4881-01
 Misc : 5.60g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 07:28:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 07:10:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	119612	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	67536	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	9998	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	26914	19.398	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.600%
7) Chloroethane-d5	2.891	69	18800	21.010	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.040%
11) 1,1-Dichloroethene-d2	4.019	63	36684	13.665	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.680%
21) 2-Butanone-d5	7.074	46	15710	45.365	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.720%
24) Chloroform-d	7.647	84	68667	22.784	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.120%
26) 1,2-Dichloroethane-d4	8.305	65	34067	22.269	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.080%
32) Benzene-d6	8.275	84	120920	33.971	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	135.880%#
36) 1,2-Dichloropropane-d6	9.274	67	36987	36.491	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	145.960%#
41) Toluene-d8	10.323	98	89458	25.321	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.280%
43) trans-1,3-Dichloroprop...	10.579	79	9479	19.785	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.160%
47) 2-Hexanone-d5	10.921	63	10140	60.319	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.640%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	20149	25.949	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.800%
66) 1,2-Dichlorobenzene-d4	13.853	152	9340	26.211	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.840%
Target Compounds						Qvalue
13) Acetone	4.129	43	1681	5.437	ug/L	81
16) Methylene chloride	4.915	84	7283	4.366	ug/L	84
27) 1,2-Dichloroethane	8.403	62	3712	2.096	ug/L #	91
35) Methylcyclohexane	9.335	83	1811	1.027	ug/L	93
37) 1,2-Dichloropropane	9.274	63	4618	5.189	ug/L #	88
39) cis-1,3-Dichloropropene	10.030	75	1227	0.835	ug/L	99
42) Toluene	10.390	91	10681	2.483	ug/L	95
48) 2-Hexanone	10.927	43	1652	4.503	ug/L #	64
52) Ethylbenzene	11.731	91	3463	0.727	ug/L	93
53) m,p-Xylene	11.835	106	5132	2.637	ug/L	85
54) o-Xylene	12.164	106	2375	1.271	ug/L	91
60) Isopropylbenzene	12.896	105	911	0.669	ug/L	96
61) 1,2,3-Trichloropropane	12.926	75	290	1.977	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.945	105	2072	1.804	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	6185	5.457	ug/L	95
71) Naphthalene	15.365	128	1625	2.411	ug/L #	90

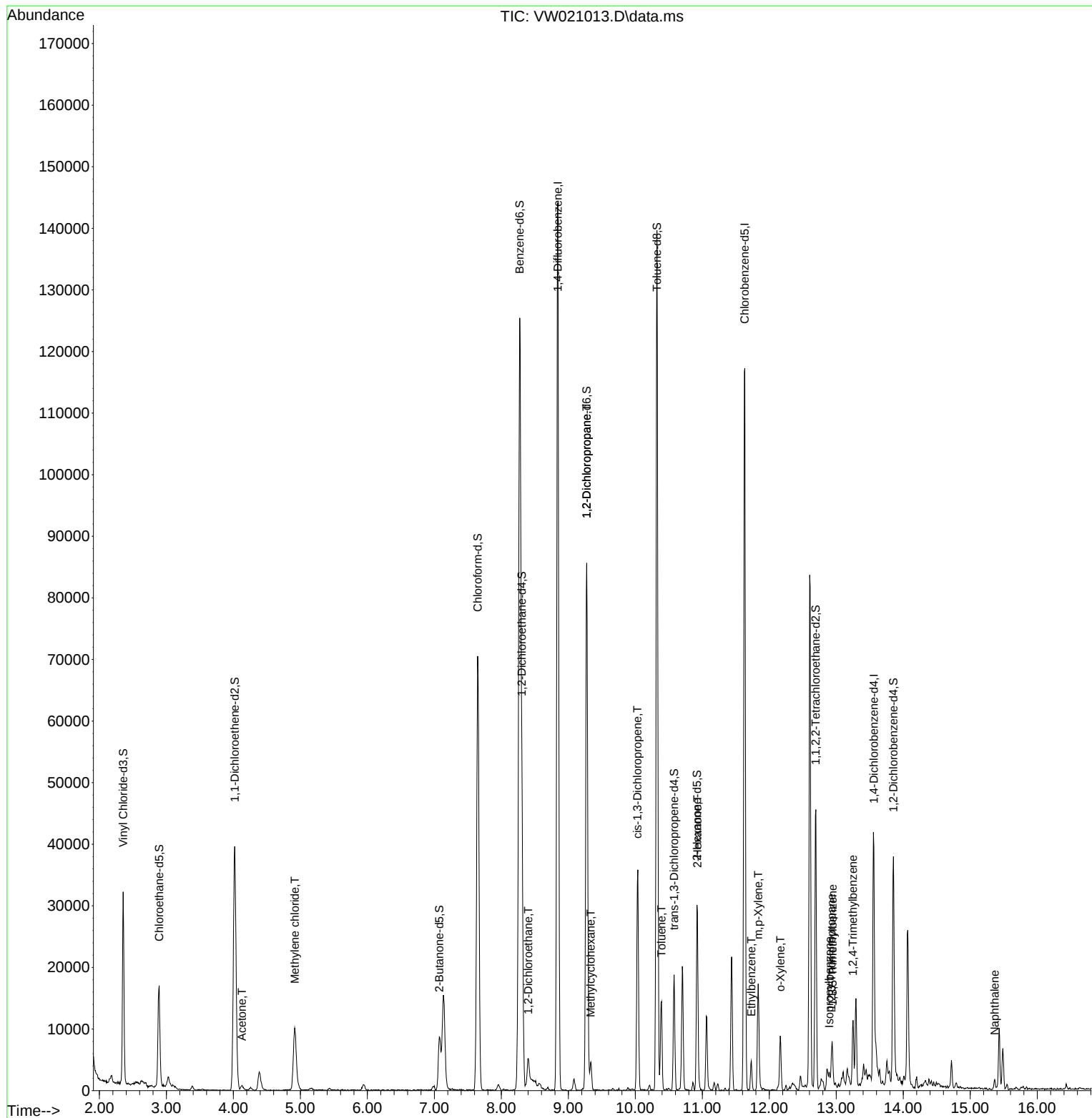
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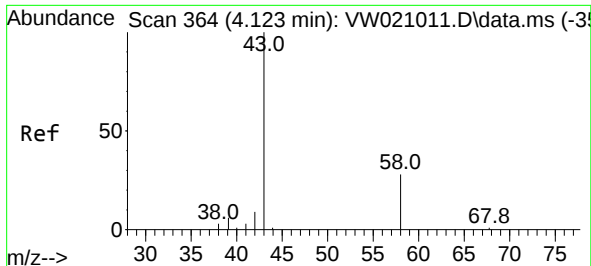
Instrument :
MSVOA_W
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 02 07:10:34 2021
Response via : Initial Calibration

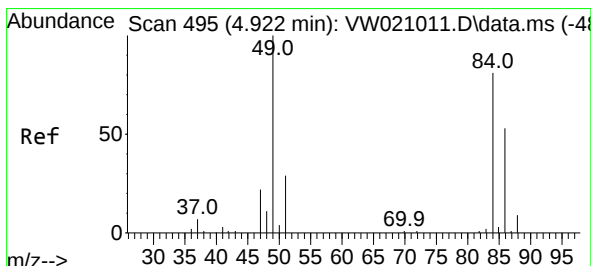
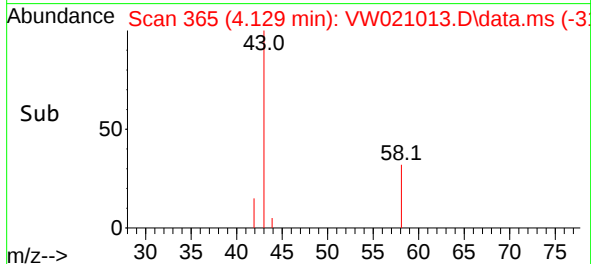
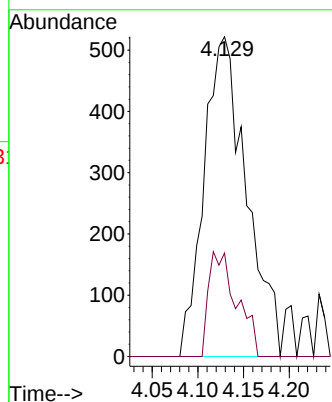
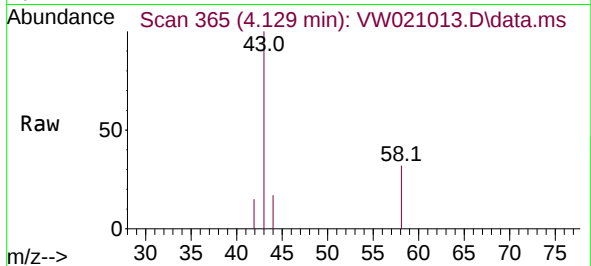




#13
Acetone
Concen: 5.437 ug/L
RT: 4.129 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

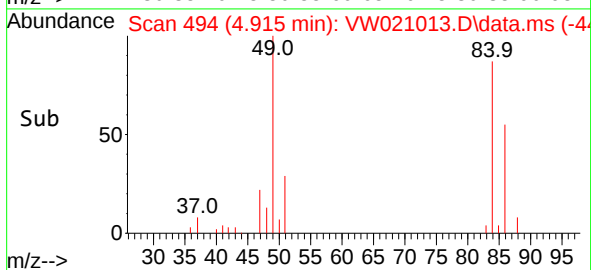
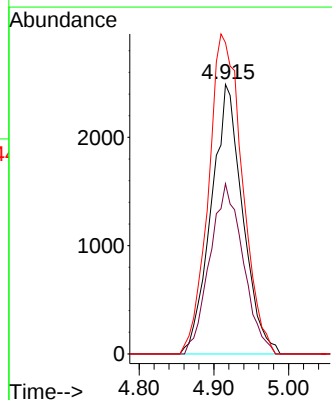
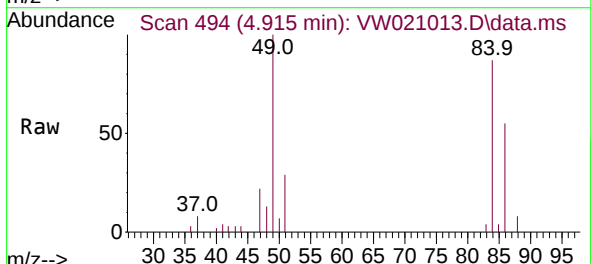
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MSVOA_W
ClientSampleId :

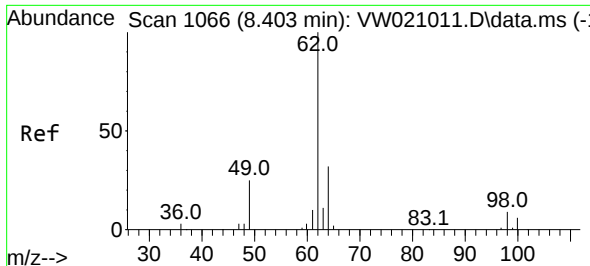
Tgt Ion: 43 Resp: 1681
Ion Ratio Lower Upper
43 100
58 16.9 0.0 52.8



#16
Methylene chloride
Concen: 4.366 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

Tgt Ion: 84 Resp: 7283
Ion Ratio Lower Upper
84 100
86 63.1 45.5 84.5
49 115.4 100.5 186.7

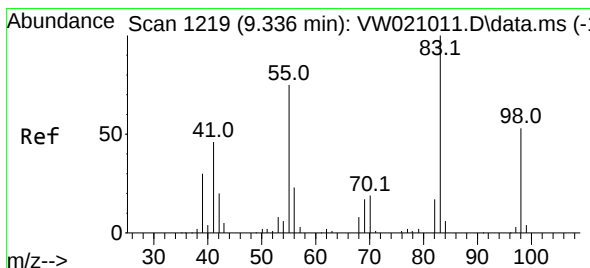
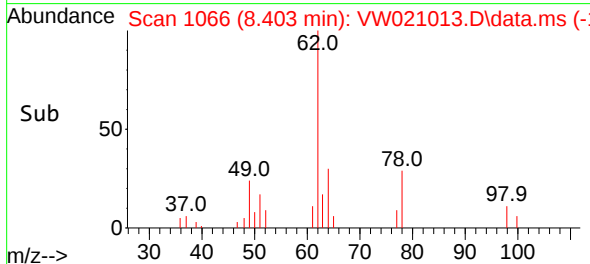
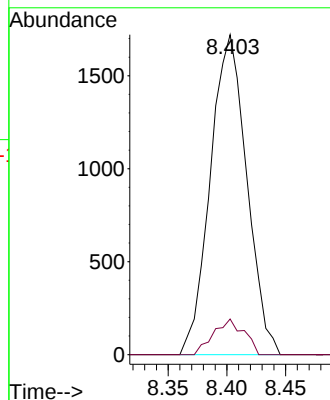
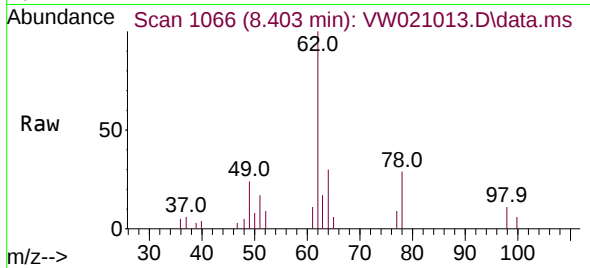




#27
1,2-Dichloroethane
Concen: 2.096 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

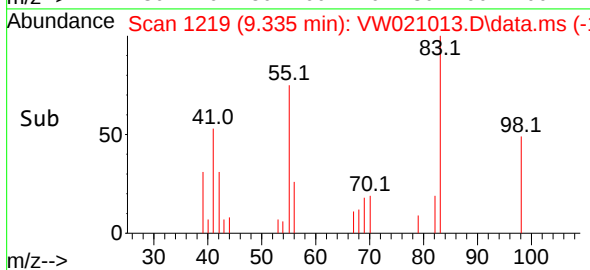
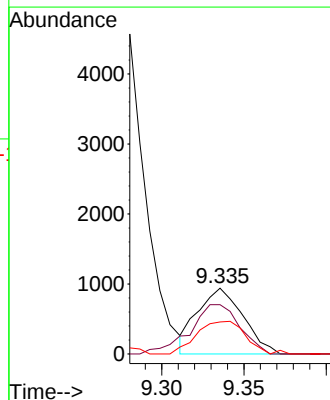
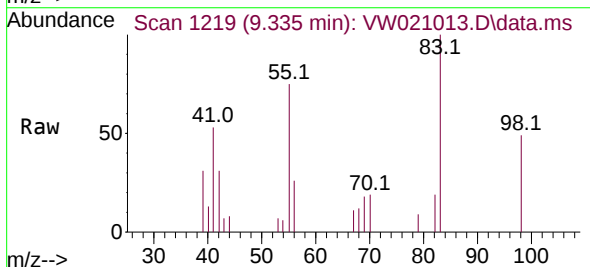
Instrument :
MSVOA_W
ClientSampleId :

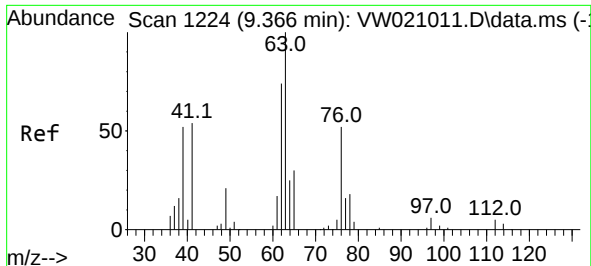
Tgt Ion: 62 Resp: 3712
Ion Ratio Lower Upper
62 100
98 11.2 6.5 9.7#



#35
Methylcyclohexane
Concen: 1.027 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

Tgt Ion: 83 Resp: 1811
Ion Ratio Lower Upper
83 100
55 82.1 70.8 106.2
98 52.3 37.7 56.5





#37

1,2-Dichloropropane

Concen: 5.189 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.092 min

Lab File: VW021013.D

Acq: 02 Dec 2021 00:40

Instrument :

MSVOA_W

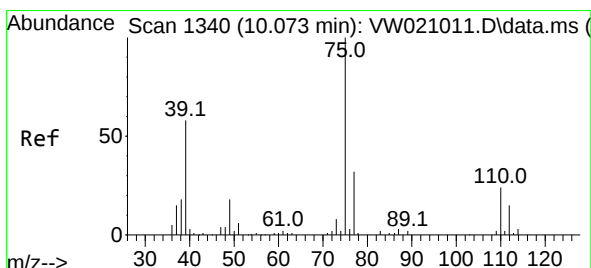
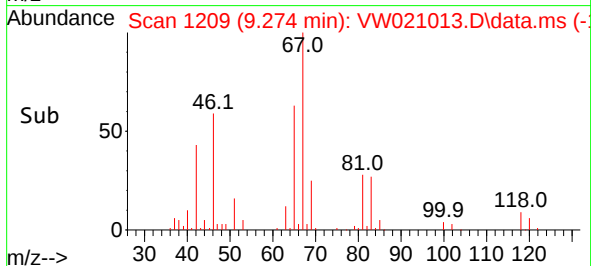
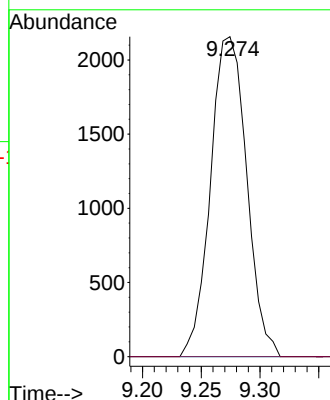
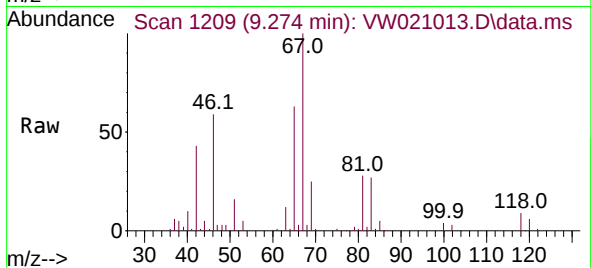
ClientSampleId :

Tgt Ion: 63 Resp: 4618

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.835 ug/L

RT: 10.030 min Scan# 1333

Delta R.T. -0.043 min

Lab File: VW021013.D

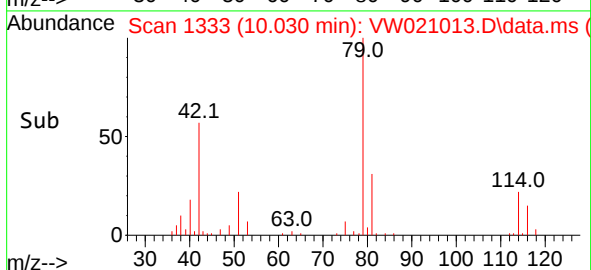
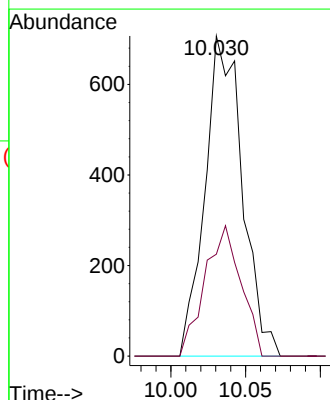
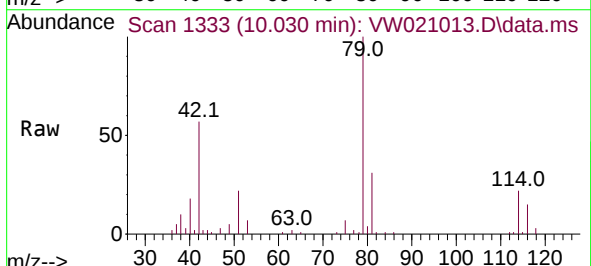
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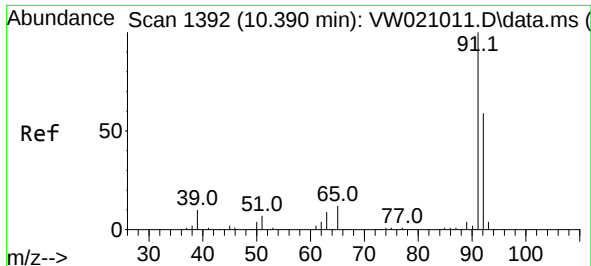
Tgt Ion: 75 Resp: 1227

Ion Ratio Lower Upper

75 100

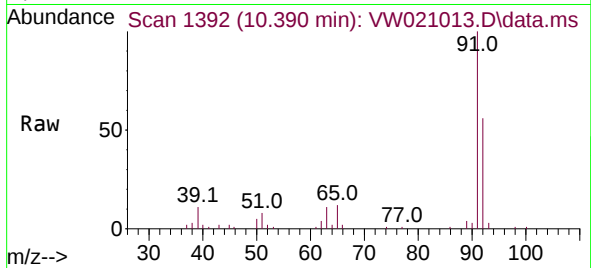
77 31.8 21.8 40.6



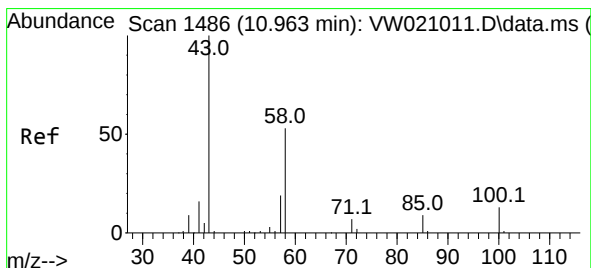
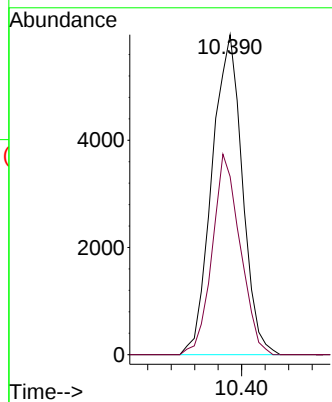
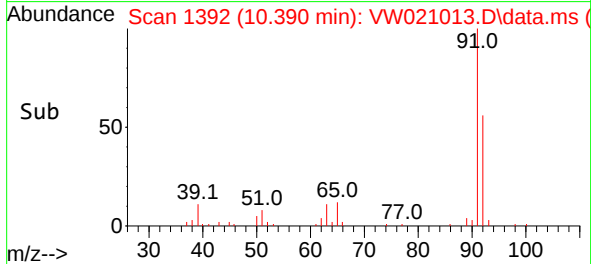


#42
Toluene
Concen: 2.483 ug/L
RT: 10.390 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

Instrument :
MSVOA_W
ClientSampleId :

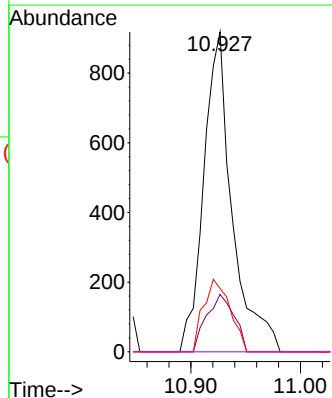
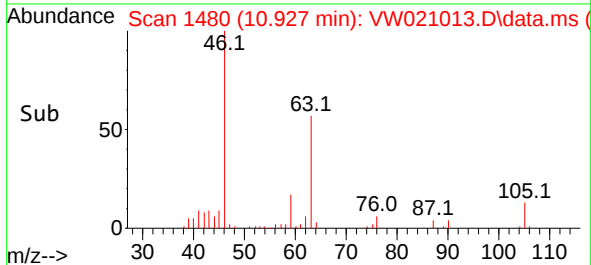
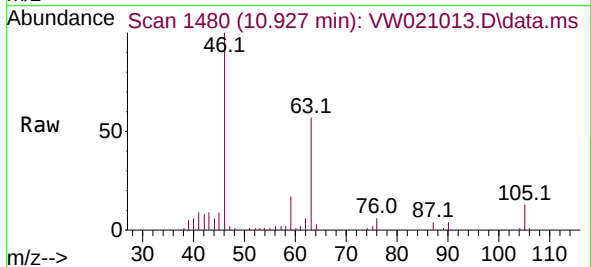


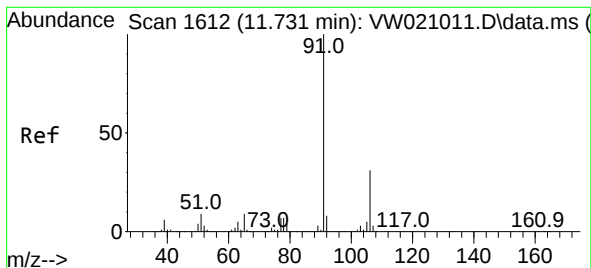
Tgt Ion: 91 Resp: 10681
Ion Ratio Lower Upper
91 100
92 55.7 41.7 77.5



#48
2-Hexanone
Concen: 4.503 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.037 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

Tgt Ion: 43 Resp: 1652
Ion Ratio Lower Upper
43 100
58 17.4 40.2 60.2#
57 21.2 14.3 21.5
100 0.0 8.0 12.0#

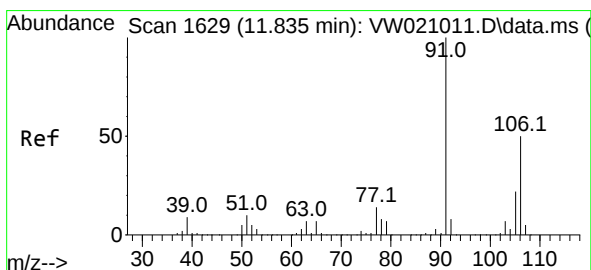
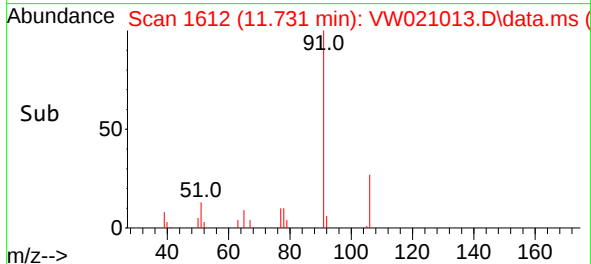
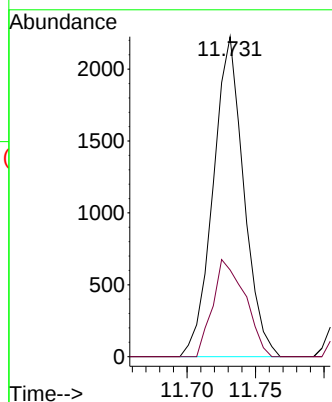
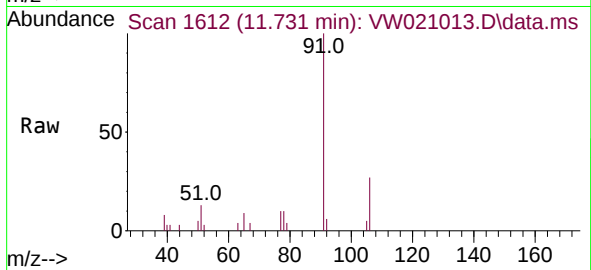




#52
Ethylbenzene
Concen: 0.727 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

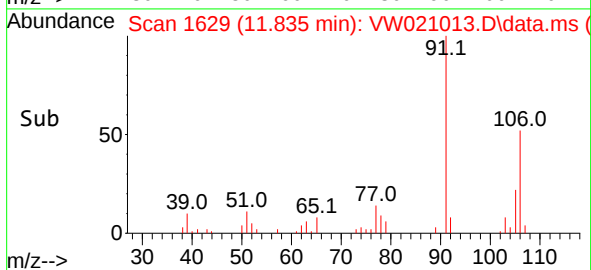
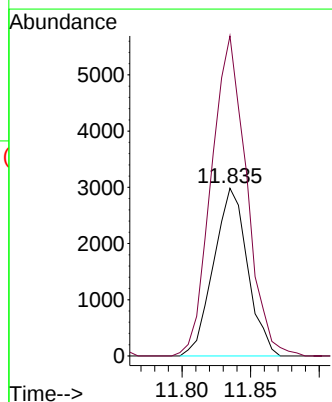
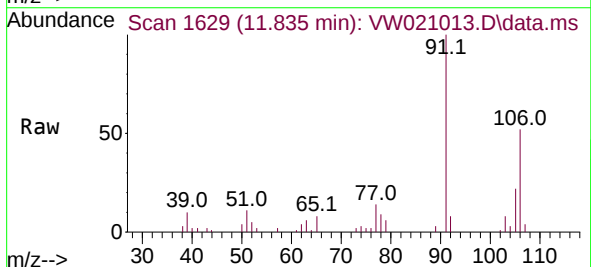
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MSVOA_W
ClientSampleId :

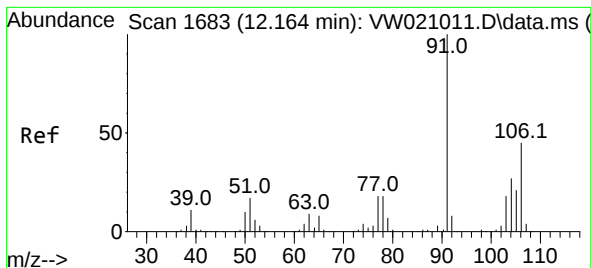
Tgt Ion: 91 Resp: 3463
Ion Ratio Lower Upper
91 100
106 27.1 21.5 39.9



#53
m,p-Xylene
Concen: 2.637 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

Tgt Ion: 106 Resp: 5132
Ion Ratio Lower Upper
106 100
91 190.8 149.9 278.3





#54

o-Xylene

Concen: 1.271 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021013.D

Acq: 02 Dec 2021 00:40

Instrument :

MSVOA_W

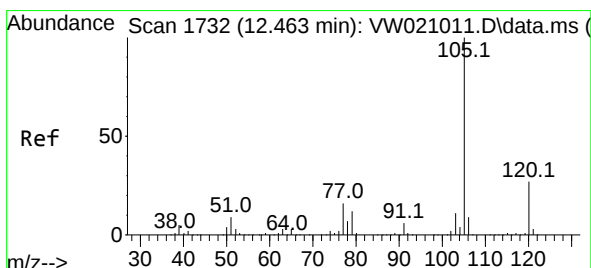
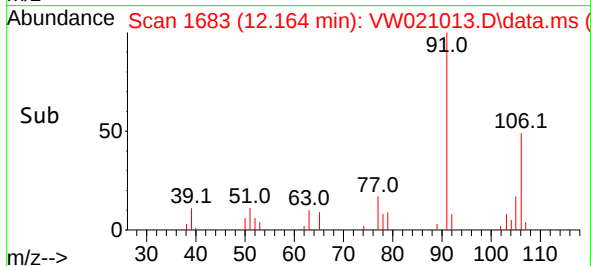
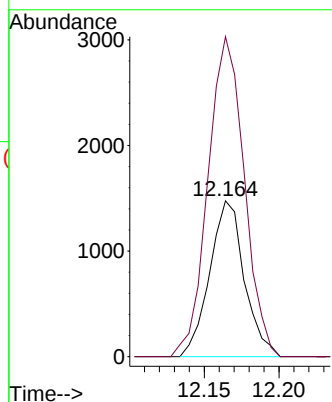
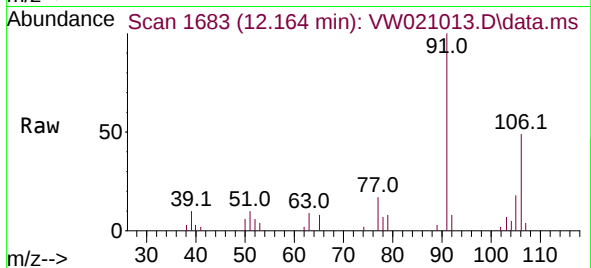
ClientSampleId :

Tgt Ion:106 Resp: 2375

Ion Ratio Lower Upper

106 100

91 205.4 153.6 285.3



#60

Isopropylbenzene

Concen: 0.669 ug/L

RT: 12.896 min Scan# 1803

Delta R.T. 0.433 min

Lab File: VW021013.D

Acq: 02 Dec 2021 00:40

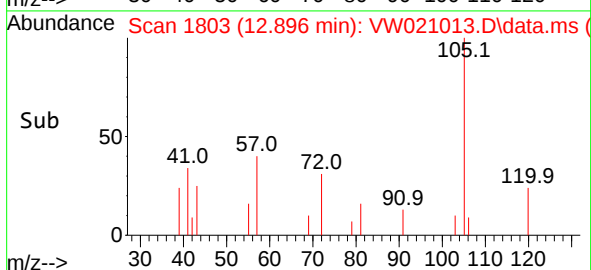
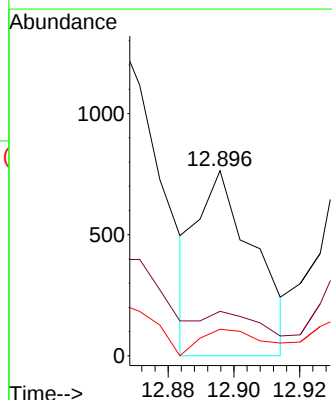
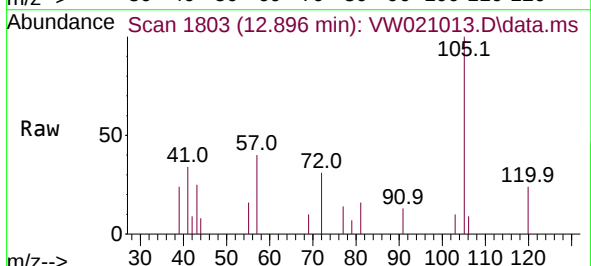
Tgt Ion:105 Resp: 911

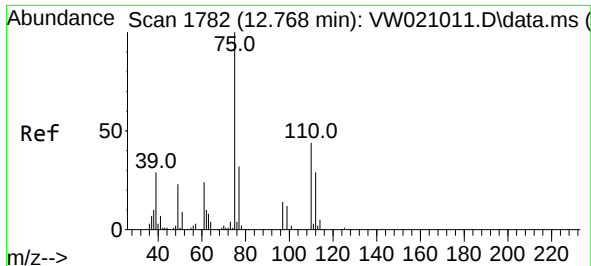
Ion Ratio Lower Upper

105 100

120 22.7 20.1 30.1

77 16.0 13.8 20.8





#61

1,2,3-Trichloropropane

Concen: 1.977 ug/L

RT: 12.926 min Scan# 1808

Delta R.T. 0.158 min

Lab File: VW021013.D

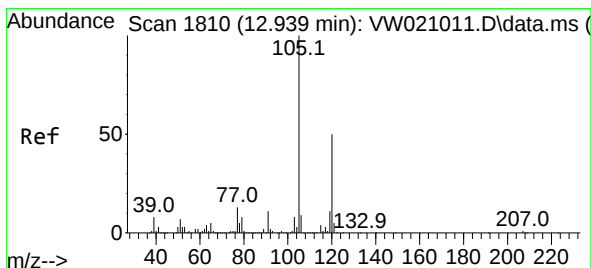
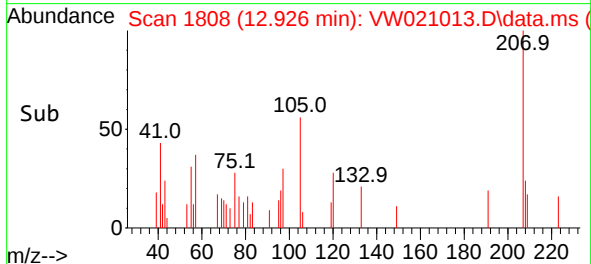
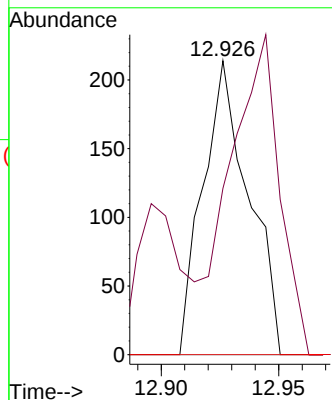
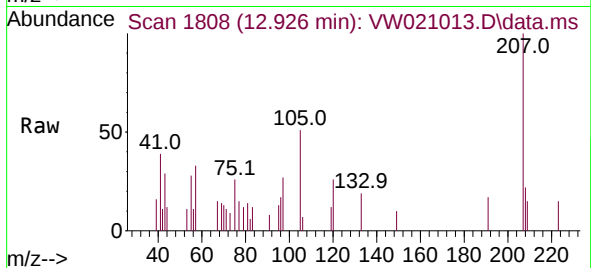
Acq: 02 Dec 2021 00:40

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75	Resp: 290
Ion Ratio	Lower Upper
75	100
77	117.6 25.8 38.8#
110	0.0 29.0 43.4#



#62

1,3,5-Trimethylbenzene

Concen: 1.804 ug/L

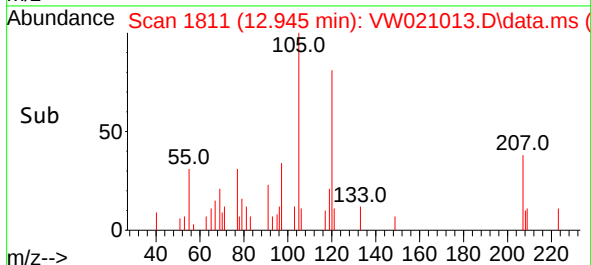
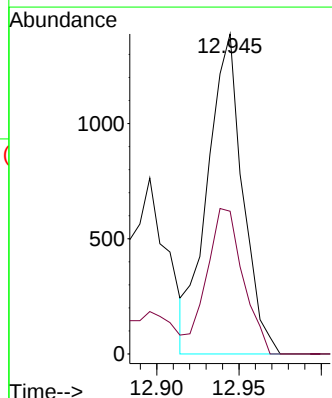
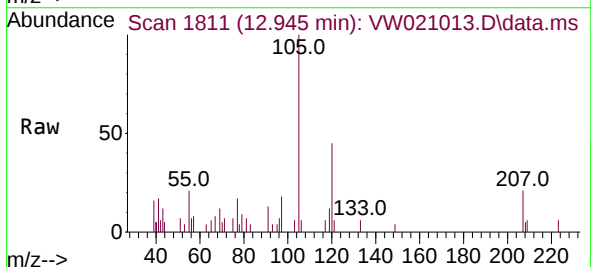
RT: 12.945 min Scan# 1811

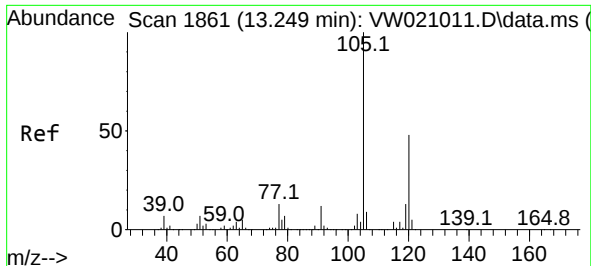
Delta R.T. 0.006 min

Lab File: VW021013.D

Acq: 02 Dec 2021 00:40

Tgt Ion: 105	Resp: 2072
Ion Ratio	Lower Upper
105	100
120	47.2 37.4 56.2

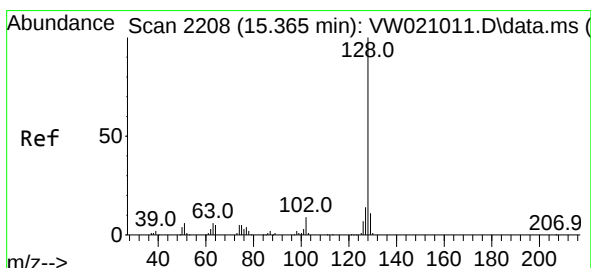
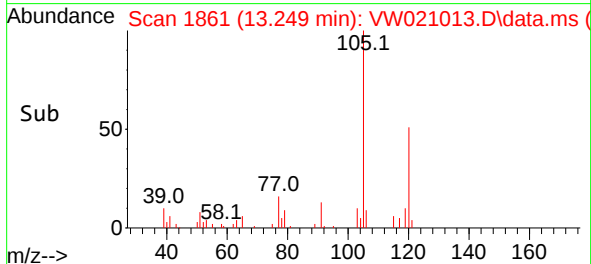
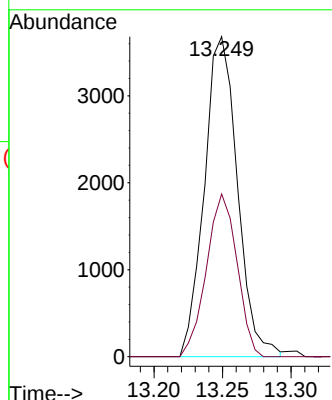
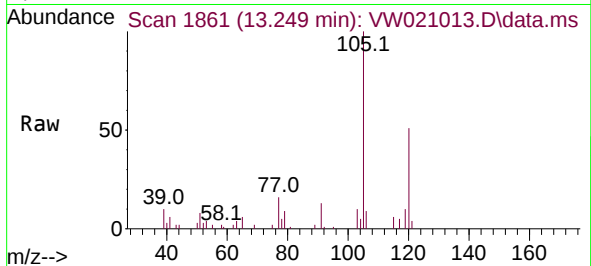




#63
1,2,4-Trimethylbenzene
Concen: 5.457 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 6185
Ion Ratio Lower Upper
105 100
120 46.9 35.0 52.6



#71
Naphthalene
Concen: 2.411 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW021013.D
Acq: 02 Dec 2021 00:40

Tgt Ion:128 Resp: 1625
Ion Ratio Lower Upper
128 100
127 9.8 10.7 16.1#
129 6.0 8.6 12.8#

