

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
 Data File : VW021614.D
 Acq On : 23 Dec 2021 15:31
 Operator : SY/VA
 Sample : M5174-13
 Misc : 6.63g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 24 00:34:06 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	81378	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	63866	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	19755	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	23861	16.099	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.400%
7) Chloroethane-d5	2.879	69	18825	19.213	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.840%
11) 1,1-Dichloroethene-d2	4.013	63	27655	13.996	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.000%
21) 2-Butanone-d5	7.092	46	18950	90.705	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	181.420%#
24) Chloroform-d	7.647	84	47458	20.927	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.720%
26) 1,2-Dichloroethane-d4	8.305	65	29689	24.611	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.440%
32) Benzene-d6	8.275	84	82379	23.532	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.120%
36) 1,2-Dichloropropane-d6	9.274	67	25378	27.031	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.120%
41) Toluene-d8	10.323	98	73048	20.423	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.680%
43) trans-1,3-Dichloroprop...	10.579	79	9256	21.412	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.640%
47) 2-Hexanone-d5	10.927	63	14418	103.853	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	207.700%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	23147	28.680	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.720%
66) 1,2-Dichlorobenzene-d4	13.847	152	14687	19.183	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.720%
Target Compounds						Qvalue
13) Acetone	4.147	43	30154	161.002	ug/L	93
14) Carbon disulfide	4.373	76	3306	1.269	ug/L	100
15) Methyl Acetate	4.684	43	1800	5.570	ug/L	100
17) trans-1,2-Dichloroethene	5.421	96	966	0.884	ug/L	88
20) cis-1,2-Dichloroethene	7.165	96	3066	2.661	ug/L	# 58
22) 2-Butanone	7.171	43	10488	42.880	ug/L	90
33) Benzene	8.323	78	6142	1.765	ug/L	100
34) Trichloroethene	8.842	95	2423	2.481	ug/L	# 5
35) Methylcyclohexane	9.335	83	1505	0.934	ug/L	95
37) 1,2-Dichloropropane	9.274	63	3400	4.381	ug/L	# 88
39) cis-1,3-Dichloropropene	10.036	75	935	0.764	ug/L	# 76
42) Toluene	10.390	91	9052	2.225	ug/L	96
52) Ethylbenzene	11.731	91	2669	0.574	ug/L	91
61) 1,2,3-Trichloropropane	13.554	75	2319	8.066	ug/L	# 60
62) 1,3,5-Trimethylbenzene	13.578	105	767	0.336	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	1096	0.486	ug/L	88

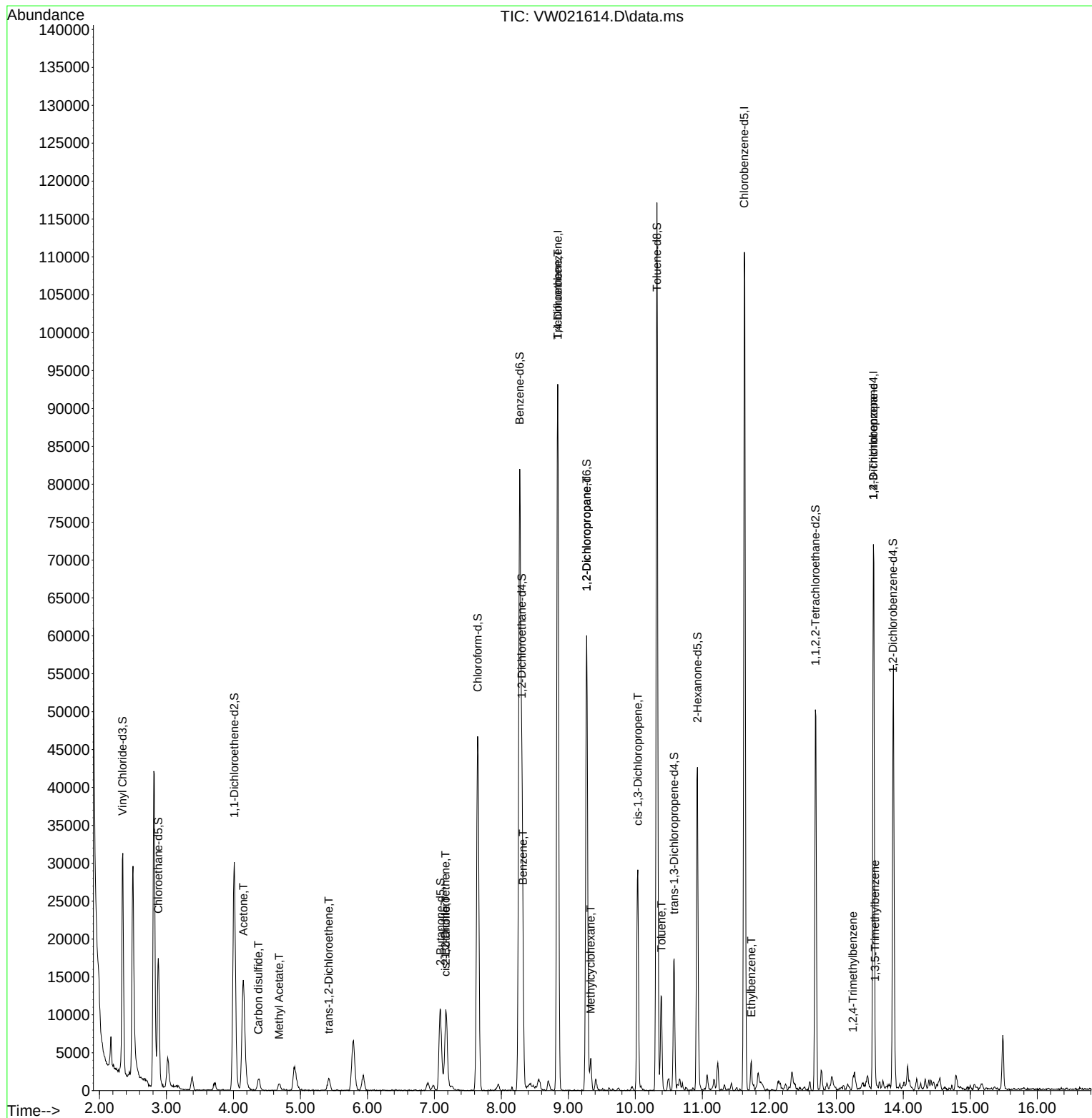
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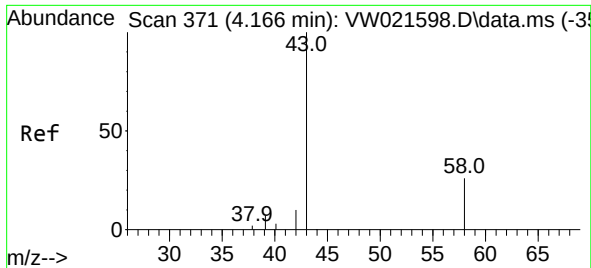
Instrument :
MSVOA_W
ClientSampleId :

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Quant Title : SFAM01.0
QLast Update : Fri Dec 24 00:28:54 2021
Response via : Initial Calibration





#13

Acetone

Concen: 161.002 ug/L

RT: 4.147 min Scan# 30

Delta R.T. -0.018 min

Lab File: VW021614.D

Acq: 23 Dec 2021 15:31

Instrument :

MSVOA_W

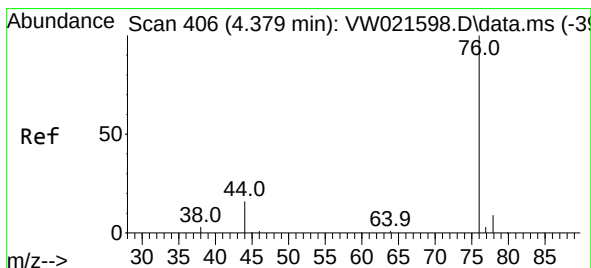
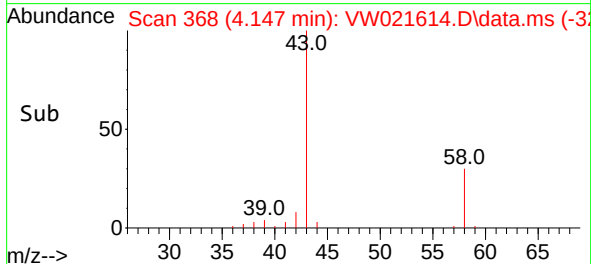
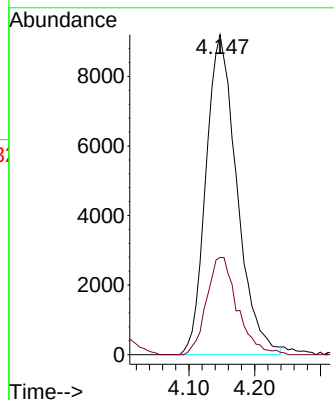
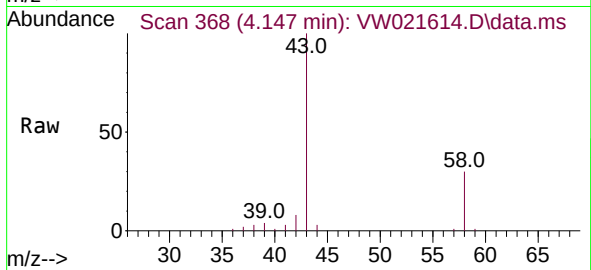
ClientSampleId :

Tgt Ion: 43 Resp: 30154

Ion Ratio Lower Upper

43 100

58 30.0 0.0 52.8



#14

Carbon disulfide

Concen: 1.269 ug/L

RT: 4.373 min Scan# 405

Delta R.T. -0.006 min

Lab File: VW021614.D

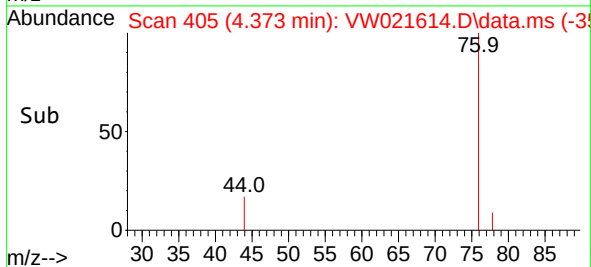
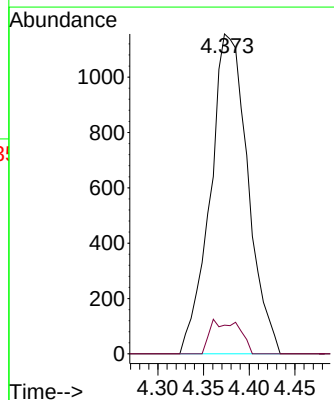
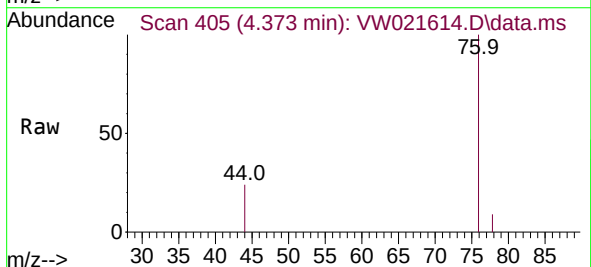
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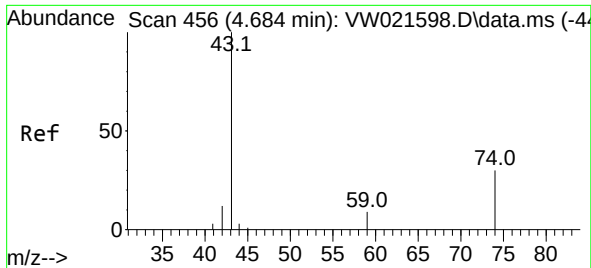
Tgt Ion: 76 Resp: 3306

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

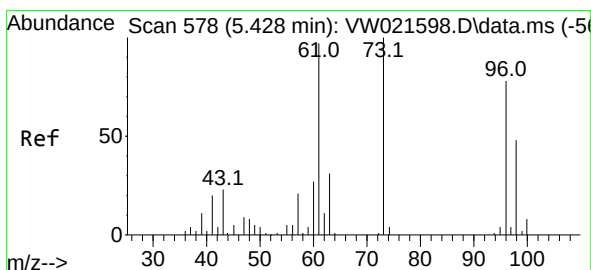
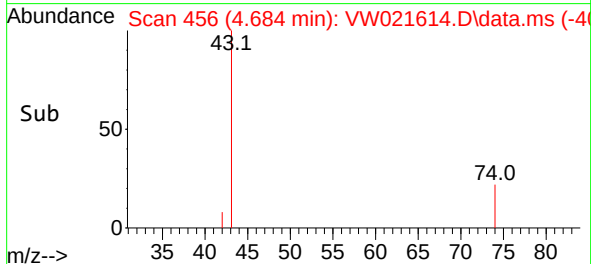
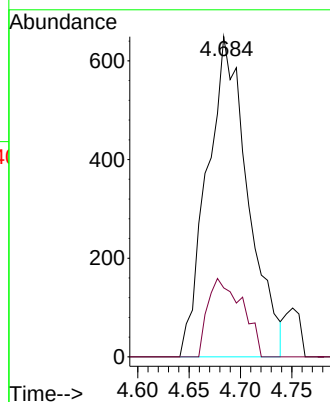
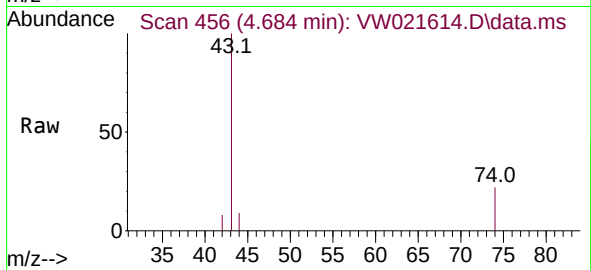




#15
Methyl Acetate
Concen: 5.570 ug/L
RT: 4.684 min Scan# 456
Delta R.T. -0.000 min
Lab File: VW021614.D
Acq: 23 Dec 2021 15:31

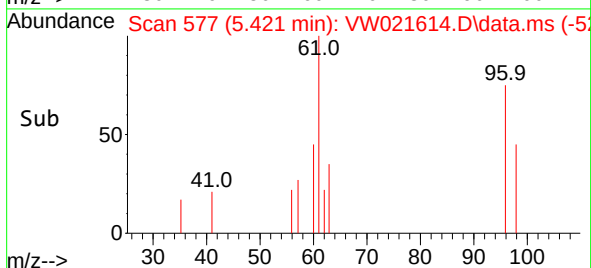
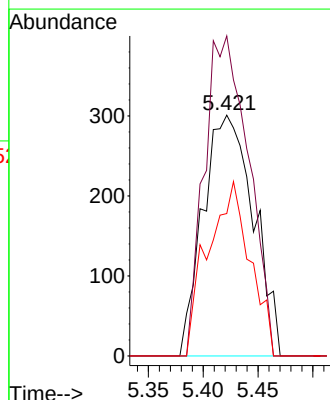
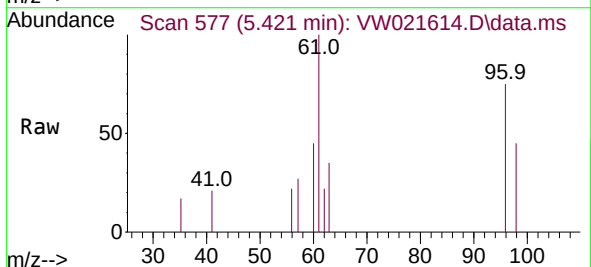
Instrument :
MSVOA_W
ClientSampleId :

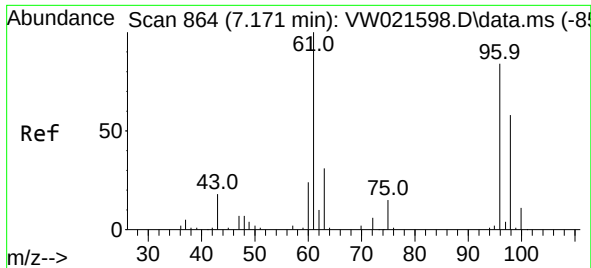
Tgt Ion: 43 Resp: 1800
Ion Ratio Lower Upper
43 100
74 20.6 16.4 24.6



#17
trans-1,2-Dichloroethene
Concen: 0.884 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW021614.D
Acq: 23 Dec 2021 15:31

Tgt Ion: 96 Resp: 966
Ion Ratio Lower Upper
96 100
61 132.9 107.4 199.4
98 59.1 41.2 76.6

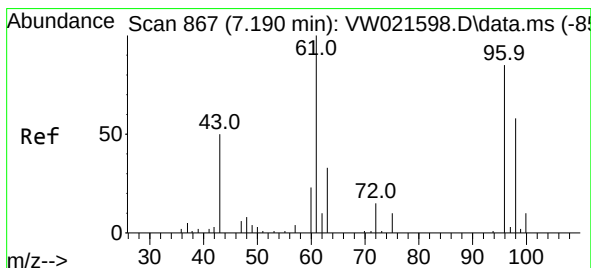
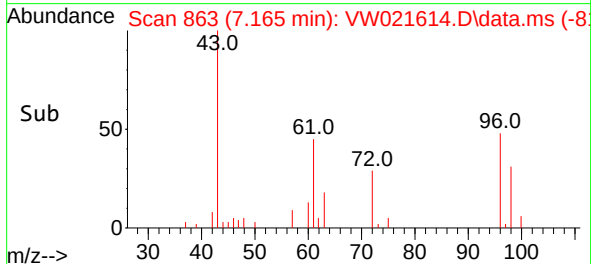
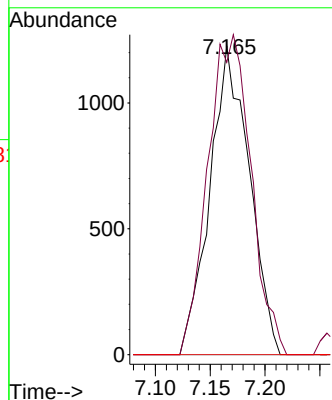
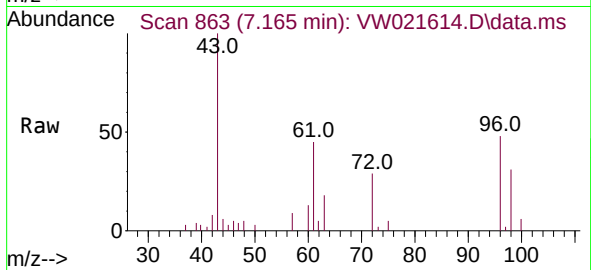




#20
 cis-1,2-Dichloroethene
 Concen: 2.661 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VW021614.D
 Acq: 23 Dec 2021 15:31

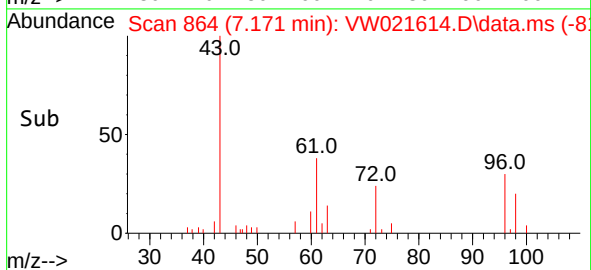
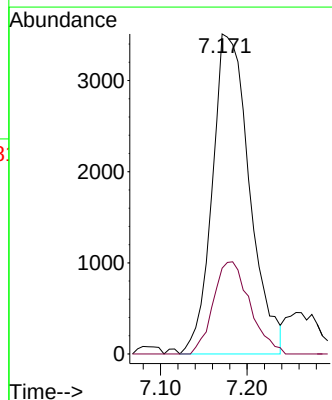
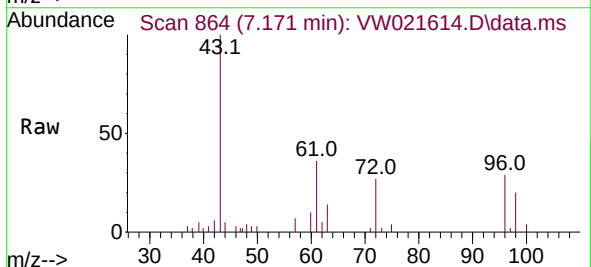
Instrument :
 MSVOA_W
 ClientSampleId :

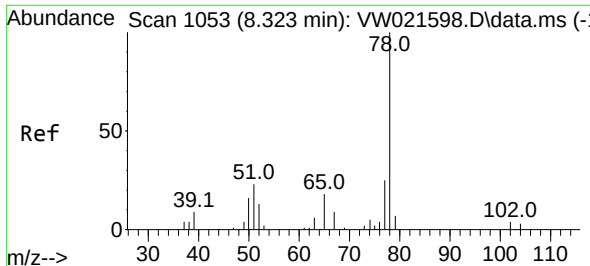
Tgt Ion: 96 Resp: 3066
 Ion Ratio Lower Upper
 96 100
 61 94.7 103.7 192.7#
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 42.880 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. -0.018 min
 Lab File: VW021614.D
 Acq: 23 Dec 2021 15:31

Tgt Ion: 43 Resp: 10488
 Ion Ratio Lower Upper
 43 100
 72 28.4 11.8 35.4

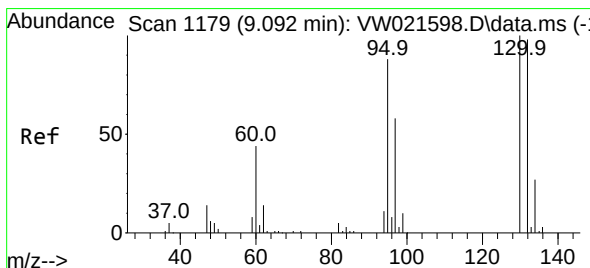
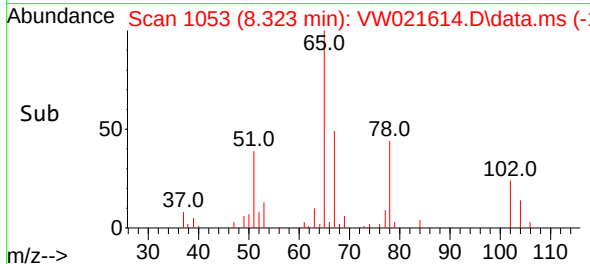
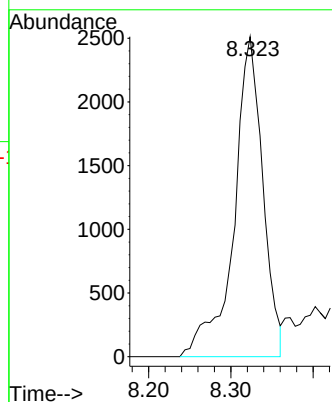
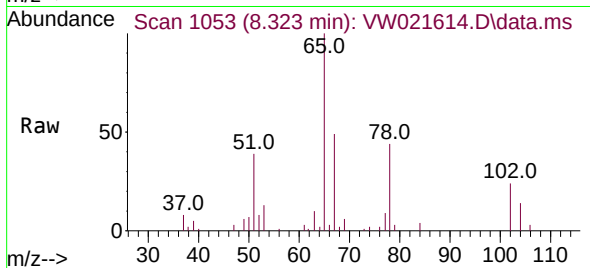




#33
Benzene
Concen: 1.765 ug/L
RT: 8.323 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW021614.D
Acq: 23 Dec 2021 15:31

Instrument :
MSVOA_W
ClientSampleId :

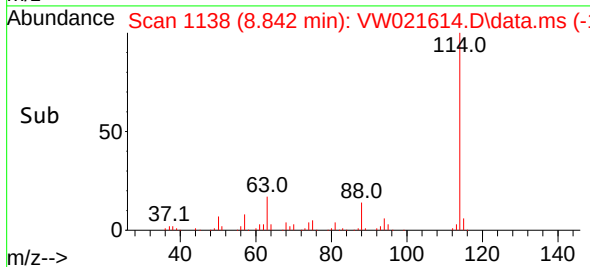
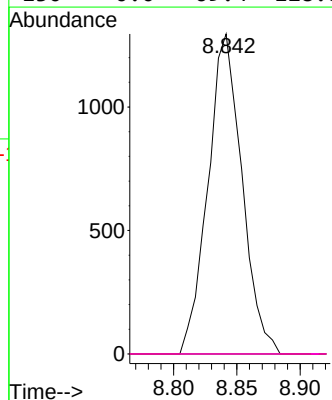
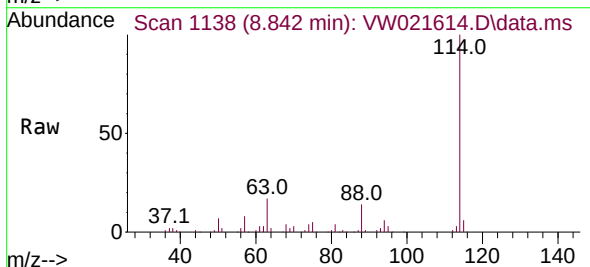
Tgt Ion: 78 Resp: 6142

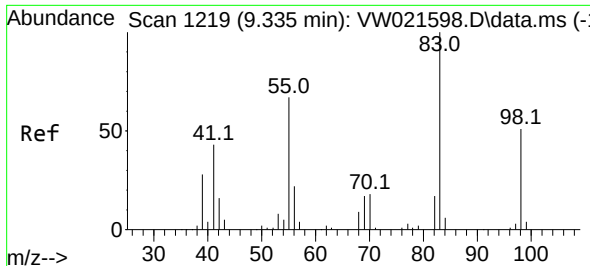


#34
Trichloroethene
Concen: 2.481 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW021614.D
Acq: 23 Dec 2021 15:31

Tgt Ion: 95 Resp: 2423

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: 0.934 ug/L

RT: 9.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021614.D

Acq: 23 Dec 2021 15:31

Instrument :

MSVOA_W

ClientSampleId :

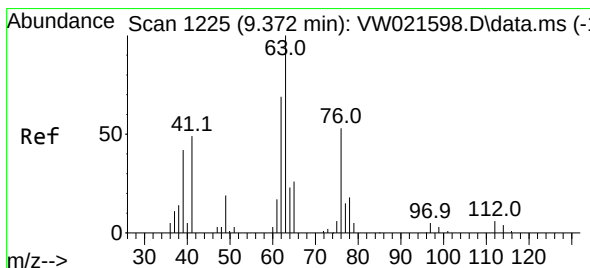
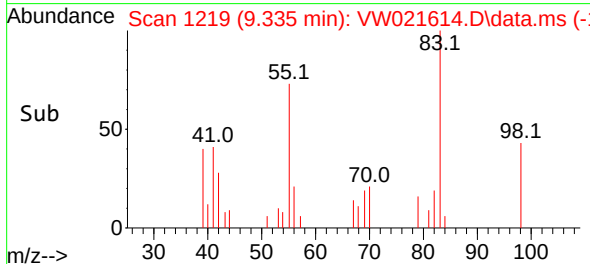
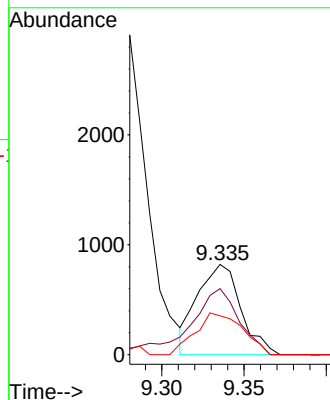
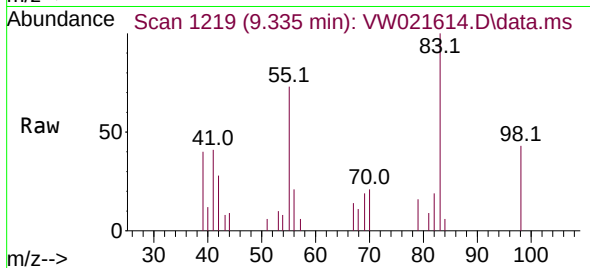
Tgt Ion: 83 Resp: 1505

Ion Ratio Lower Upper

83 100

55 83.5 70.8 106.2

98 50.4 37.7 56.5



#37

1,2-Dichloropropane

Concen: 4.381 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.098 min

Lab File: VW021614.D

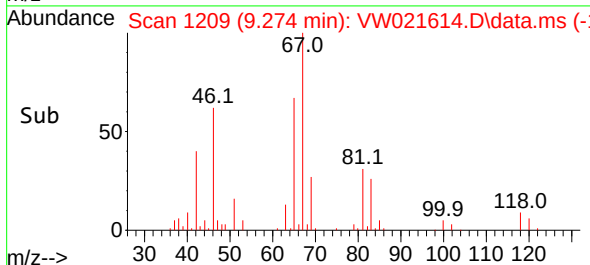
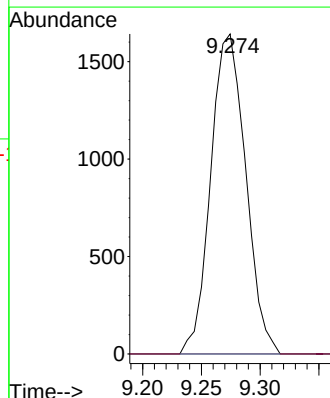
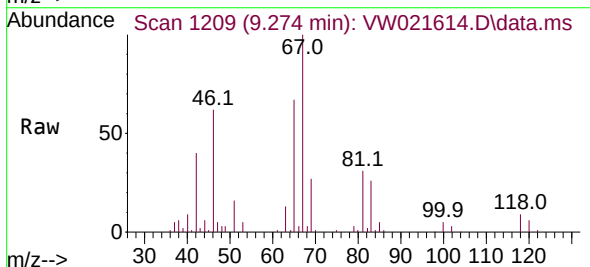
Acq: 23 Dec 2021 15:31

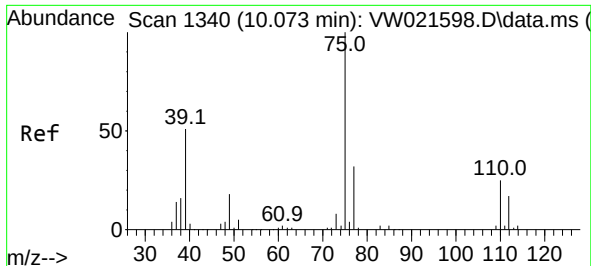
Tgt Ion: 63 Resp: 3400

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.764 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021614.D

Acq: 23 Dec 2021 15:31

Instrument :

MSVOA_W

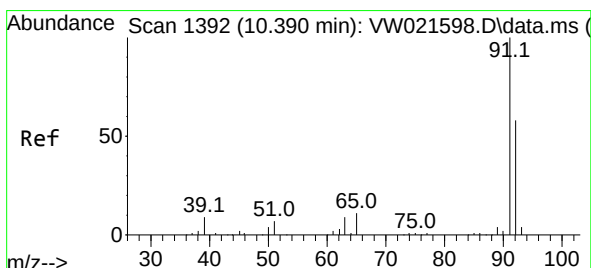
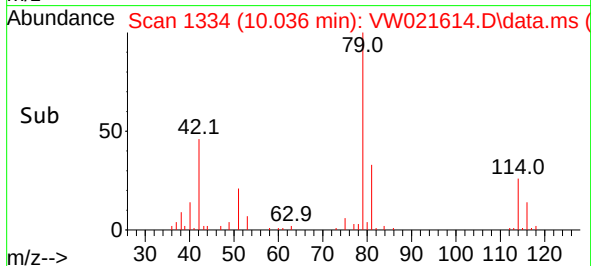
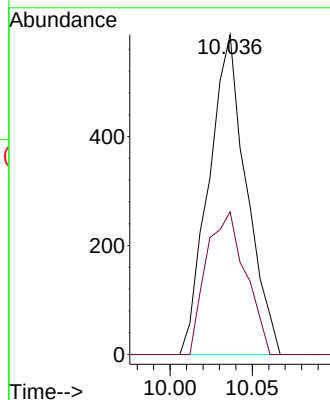
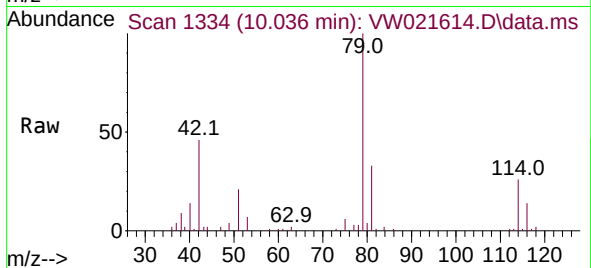
ClientSampleId :

Tgt Ion: 75 Resp: 935

Ion Ratio Lower Upper

75 100

77 44.6 21.8 40.6#



#42

Toluene

Concen: 2.225 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW021614.D

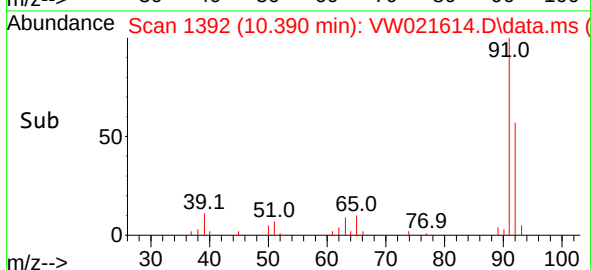
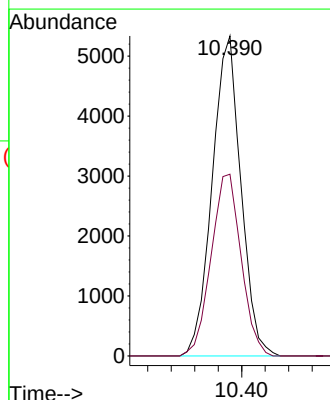
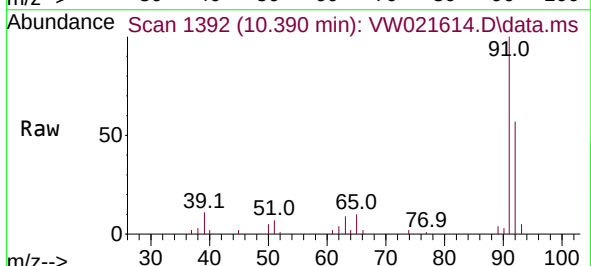
Acq: 23 Dec 2021 15:31

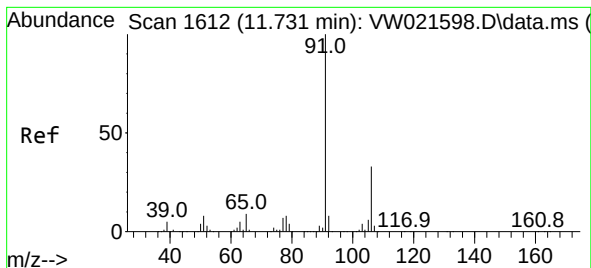
Tgt Ion: 91 Resp: 9052

Ion Ratio Lower Upper

91 100

92 56.8 41.7 77.5

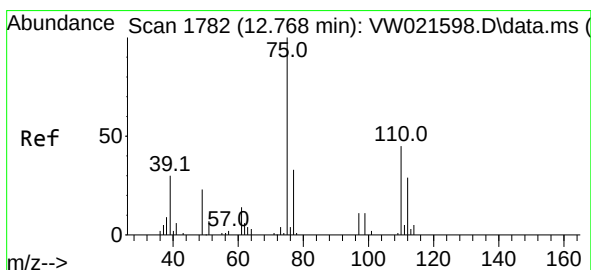
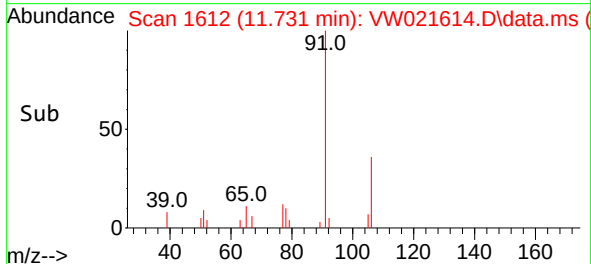
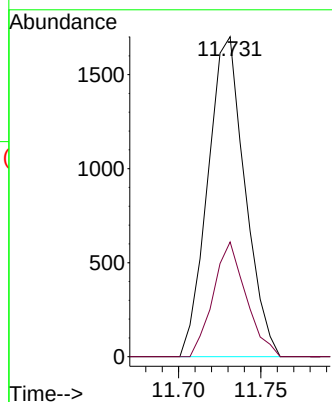
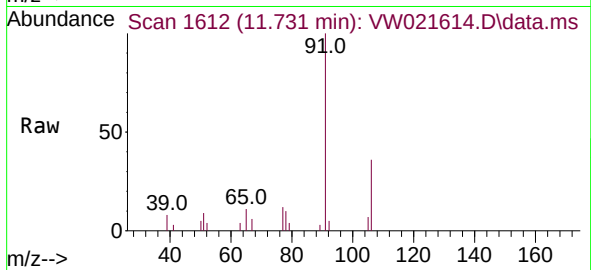




#52
Ethylbenzene
Concen: 0.574 ug/L
RT: 11.731 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021614.D
Acq: 23 Dec 2021 15:31

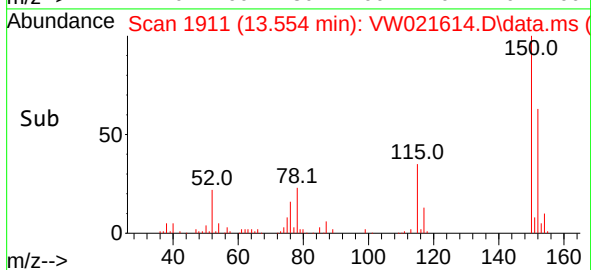
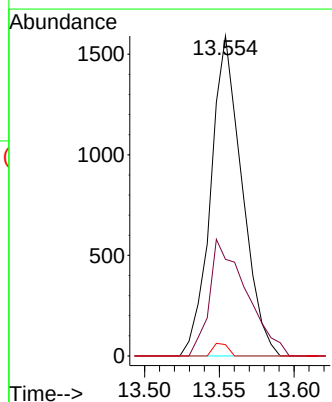
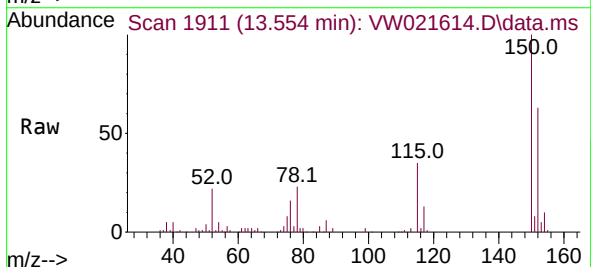
Instrument :
MSVOA_W
ClientSampleId :

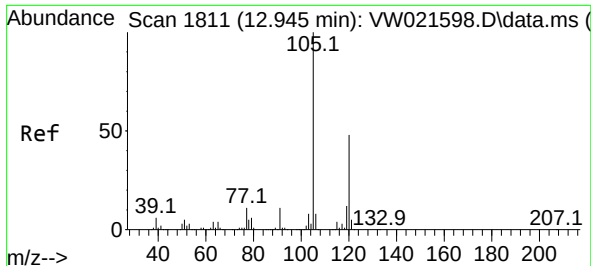
Tgt Ion: 91 Resp: 2669
Ion Ratio Lower Upper
91 100
106 35.8 21.5 39.9



#61
1,2,3-Trichloropropane
Concen: 8.066 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW021614.D
Acq: 23 Dec 2021 15:31

Tgt Ion: 75 Resp: 2319
Ion Ratio Lower Upper
75 100
77 43.0 25.8 38.8#
110 1.9 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.336 ug/L

RT: 13.578 min Scan# 1811

Delta R.T. 0.634 min

Lab File: VW021614.D

Acq: 23 Dec 2021 15:31

Instrument :

MSVOA_W

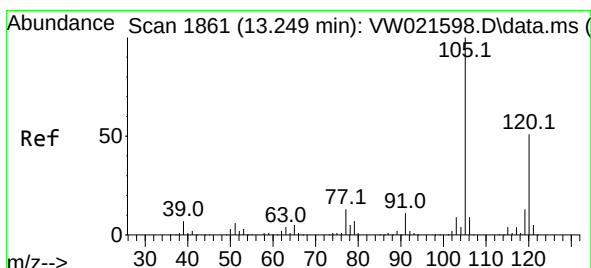
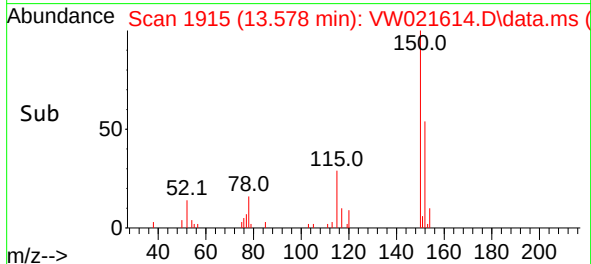
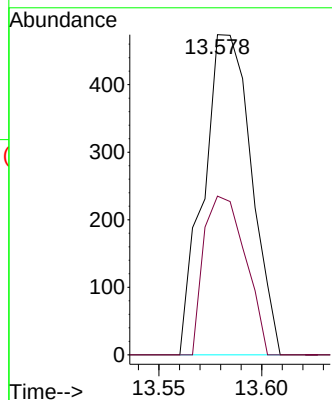
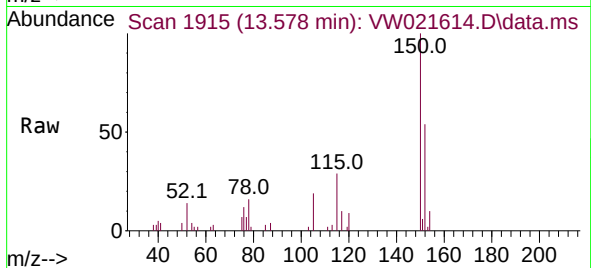
ClientSampleId :

Tgt Ion:105 Resp: 767

Ion Ratio Lower Upper

105 100

120 43.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 0.486 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021614.D

Acq: 23 Dec 2021 15:31

Tgt Ion:105 Resp: 1096

Ion Ratio Lower Upper

105 100

120 35.9 35.0 52.6

