

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021015.D
 Acq On : 02 Dec 2021 01:28
 Operator : SY/VA
 Sample : M4881-03
 Misc : 3.86g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 07:29:22 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	79855	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	36248	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	4987	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	23243	25.093	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 100.360%	
7) Chloroethane-d5	2.885	69	17399	29.125	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 116.480%	
11) 1,1-Dichloroethene-d2	4.013	63	32217	17.976	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 71.920%	
21) 2-Butanone-d5	7.080	46	14885	64.382	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 128.760%	
24) Chloroform-d	7.653	84	62420	31.023	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 124.080%	
26) 1,2-Dichloroethane-d4	8.305	65	31659	30.999	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 124.000%	
32) Benzene-d6	8.275	84	96400	50.459	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 201.840%#	
36) 1,2-Dichloropropane-d6	9.274	67	33672	61.895	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 247.560%#	
41) Toluene-d8	10.323	98	62519	32.971	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 131.880%#	
43) trans-1,3-Dichloroprop...	10.579	79	7416	28.840	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 115.360%	
47) 2-Hexanone-d5	10.927	63	8900	98.640	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 197.280%#	
56) 1,1,2,2-Tetrachloroeth...	12.695	84	17984	43.153	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 172.600%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	5032	28.310	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 113.240%	
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	1401	6.787	ug/L	66
14) Carbon disulfide	4.385	76	2839	1.049	ug/L	97
16) Methylene chloride	4.922	84	5990	5.378	ug/L	79
27) 1,2-Dichloroethane	8.403	62	1050	0.888	ug/L #	77
29) Cyclohexane	7.951	56	703	0.870	ug/L #	86
34) Trichloroethene	8.848	95	2391	4.165	ug/L #	5
35) Methylcyclohexane	9.335	83	1757	1.856	ug/L	91
37) 1,2-Dichloropropane	9.274	63	4259	8.917	ug/L #	88
39) cis-1,3-Dichloropropene	10.036	75	917	1.163	ug/L	92
40) 4-Methyl-2-pentanone	10.213	43	567	1.994	ug/L	100
42) Toluene	10.384	91	3405	1.475	ug/L	99
48) 2-Hexanone	10.927	43	1710	8.683	ug/L #	65
52) Ethylbenzene	11.731	91	1791	0.700	ug/L	94
53) m,p-Xylene	11.835	106	2644	2.532	ug/L	86
54) o-Xylene	12.170	106	777	0.775	ug/L	80
61) 1,2,3-Trichloropropane	12.920	75	108	1.476	ug/L #	9
62) 1,3,5-Trimethylbenzene	12.944	105	889	1.551	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	2951	5.220	ug/L	99
71) Naphthalene	15.365	128	825	2.454	ug/L #	77

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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

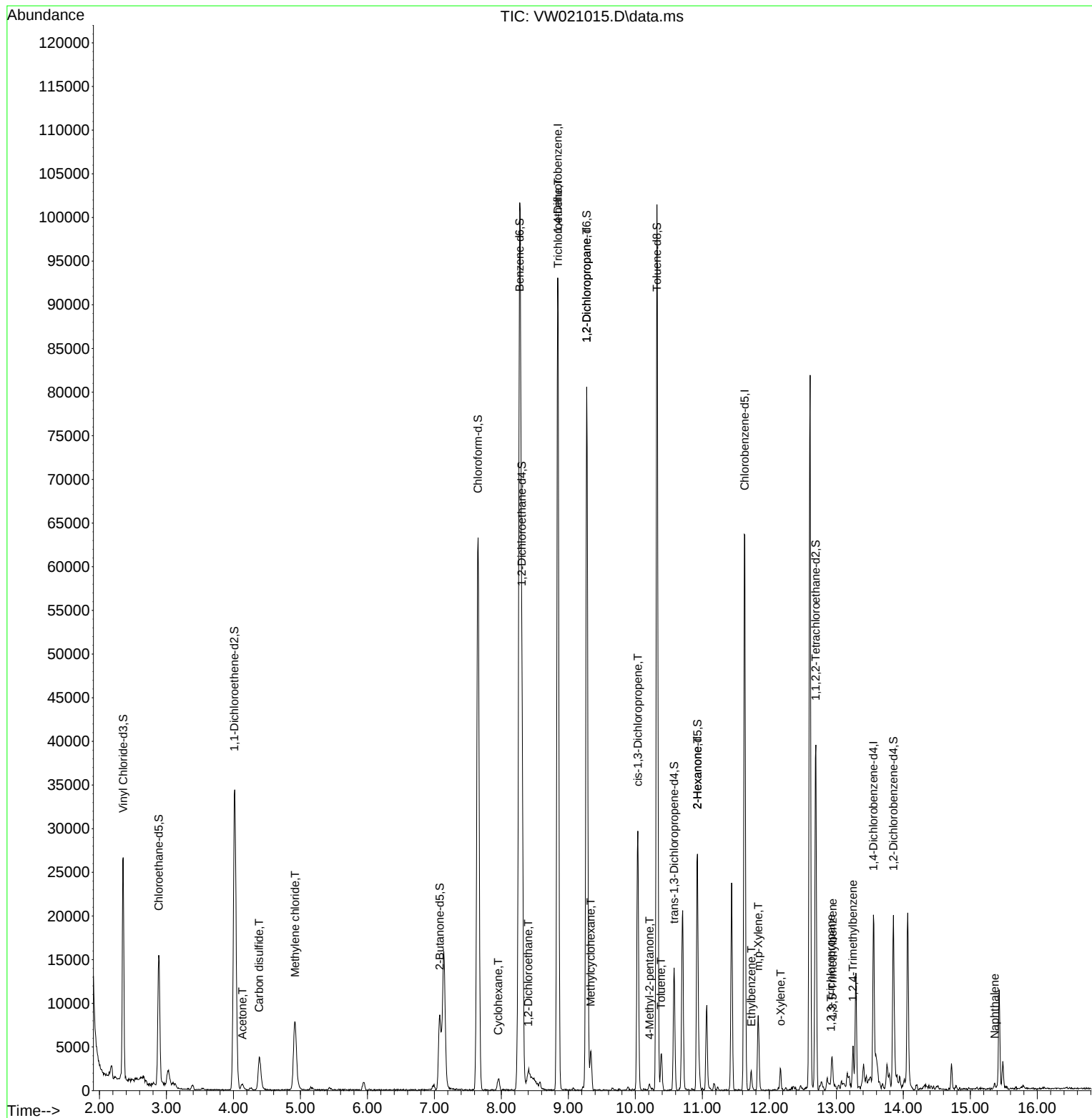
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

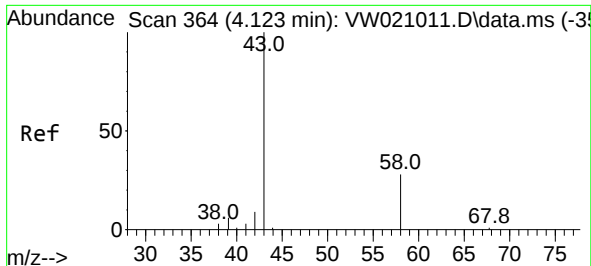
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 6.787 ug/L

RT: 4.135 min Scan# 366

Delta R.T. 0.012 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

Instrument :

MSVOA_W

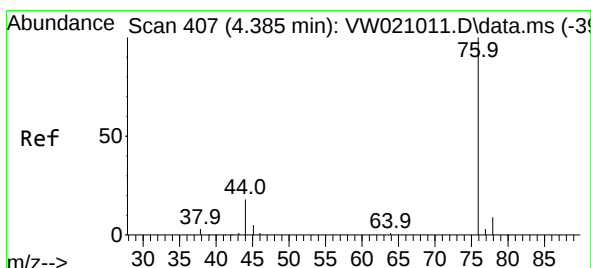
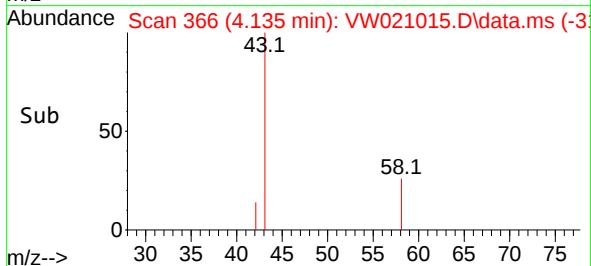
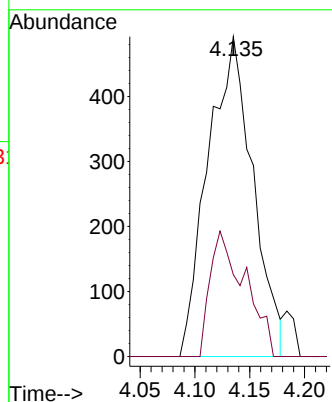
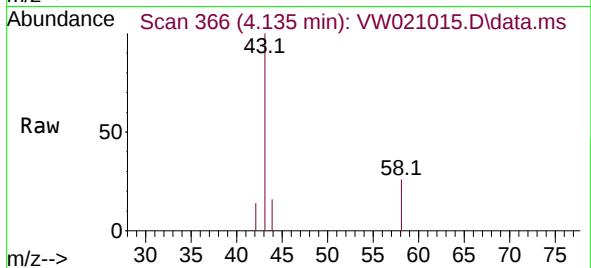
ClientSampleId :

Tgt Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

58 8.9 0.0 52.8



#14

Carbon disulfide

Concen: 1.049 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.000 min

Lab File: VW021015.D

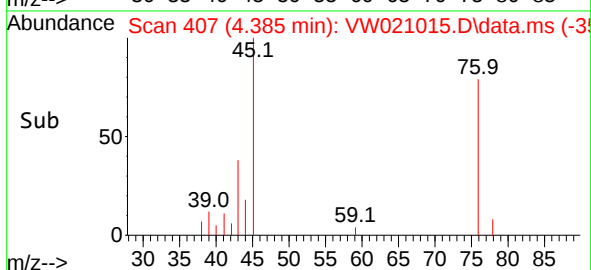
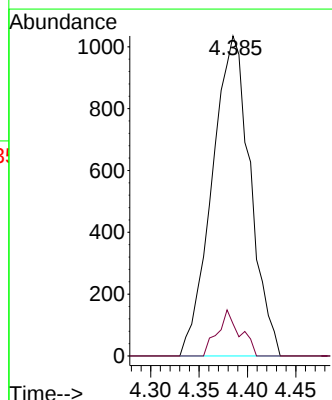
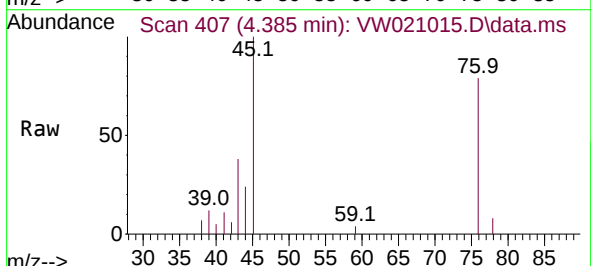
Acq: 02 Dec 2021 01:28

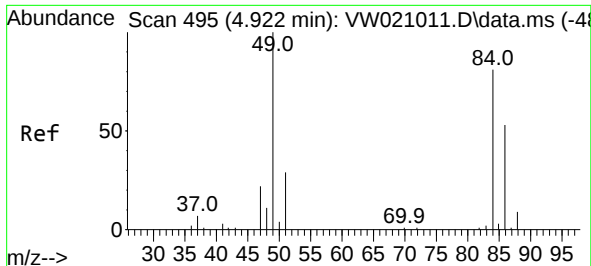
Tgt Ion: 76 Resp: 2839

Ion Ratio Lower Upper

76 100

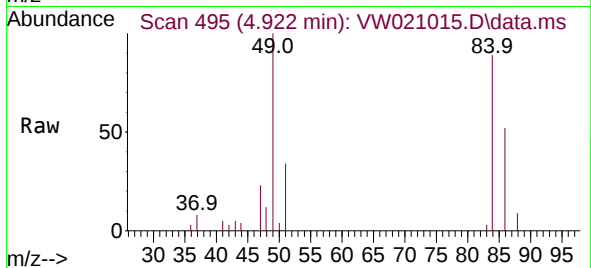
78 10.0 7.1 10.7



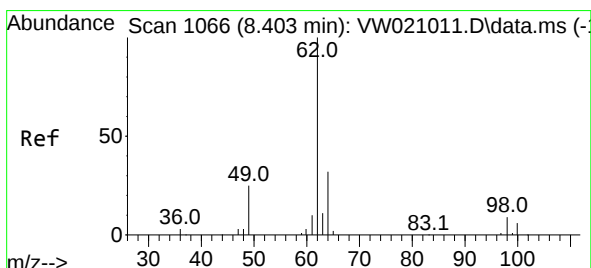
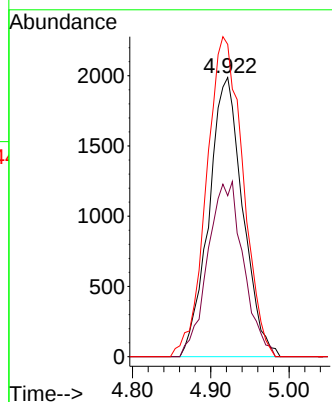
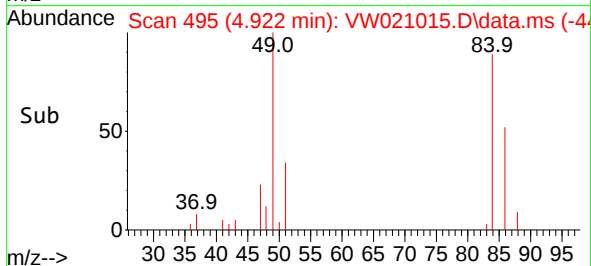


#16
Methylene chloride
Concen: 5.378 ug/L
RT: 4.922 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW021015.D
Acq: 02 Dec 2021 01:28

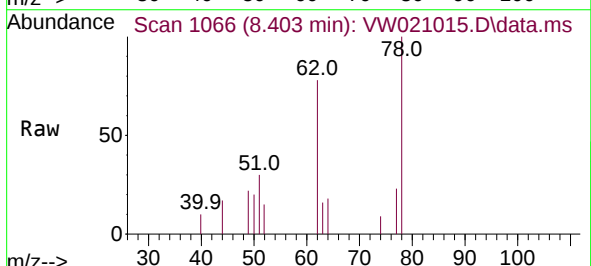
Instrument :
MSVOA_W
ClientSampleId :



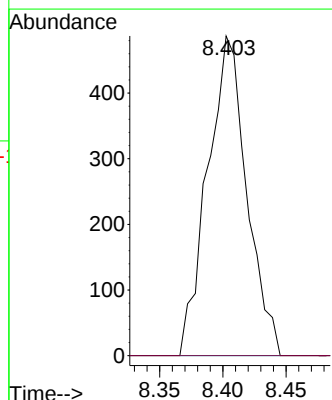
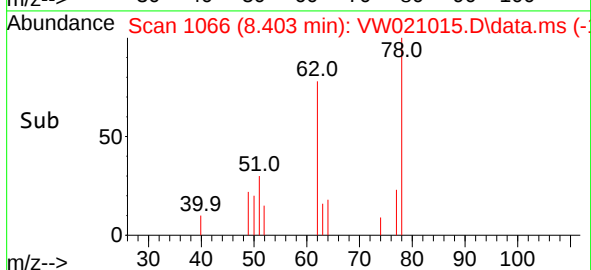
Tgt Ion: 84 Resp: 5990
Ion Ratio Lower Upper
84 100
86 57.6 45.5 84.5
49 111.8 100.5 186.7

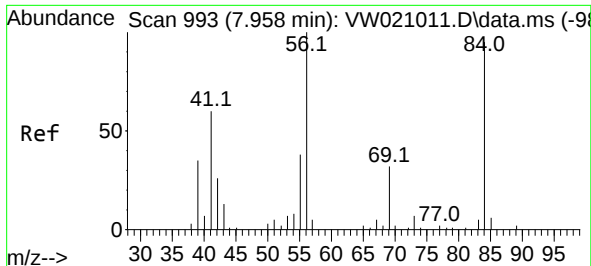


#27
1,2-Dichloroethane
Concen: 0.888 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW021015.D
Acq: 02 Dec 2021 01:28



Tgt Ion: 62 Resp: 1050
Ion Ratio Lower Upper
62 100
98 0.0 6.5 9.7#





#29

Cyclohexane

Concen: 0.870 ug/L

RT: 7.951 min Scan# 992

Delta R.T. -0.006 min

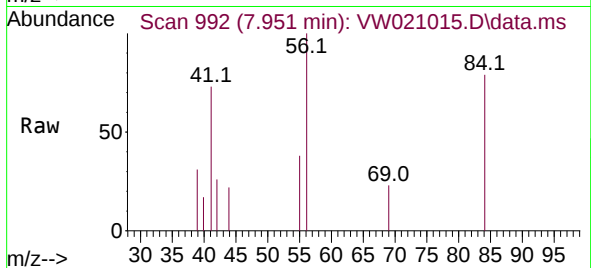
Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

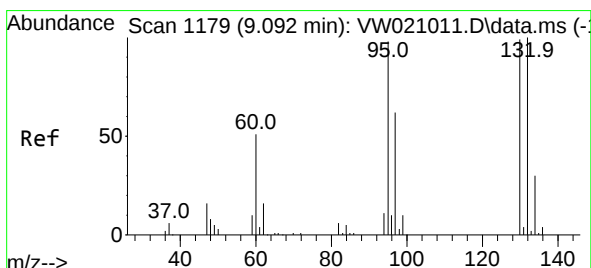
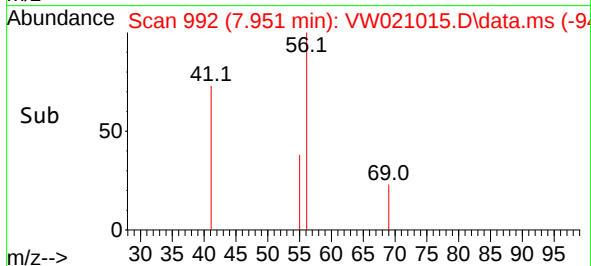
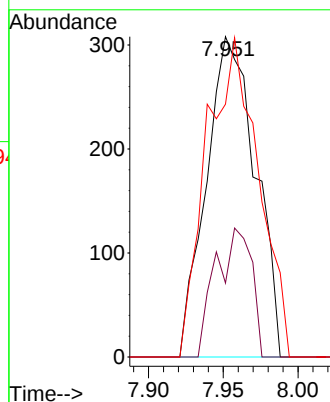
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	56	Resp:	703
Ion	Ratio	Lower	Upper
56	100		
69	17.1	23.5	35.3#
84	70.4	63.4	95.2



#34

Trichloroethene

Concen: 4.165 ug/L

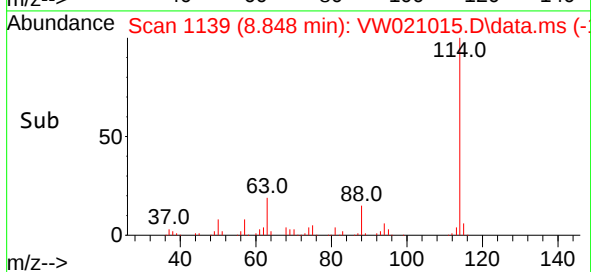
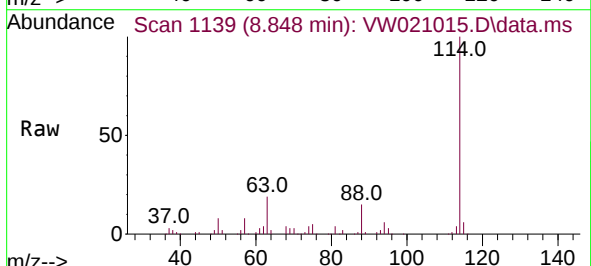
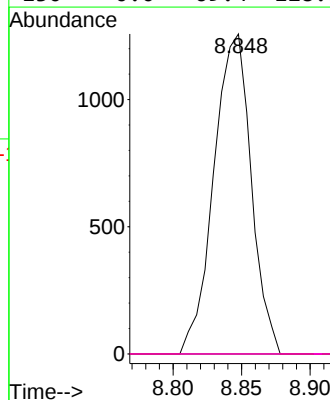
RT: 8.848 min Scan# 1139

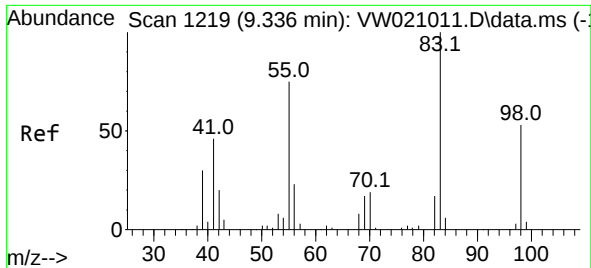
Delta R.T. -0.244 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

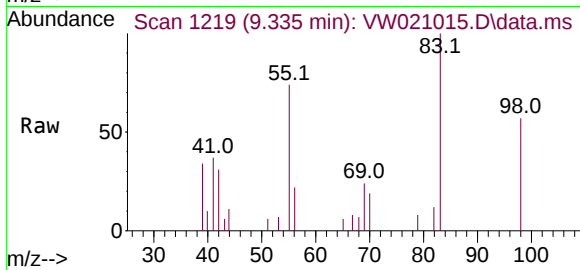
Tgt Ion:	95	Resp:	2391
Ion	Ratio	Lower	Upper
95	100		
97	0.0	47.0	87.2#
132	0.0	65.5	121.6#
130	0.0	69.4	128.8#



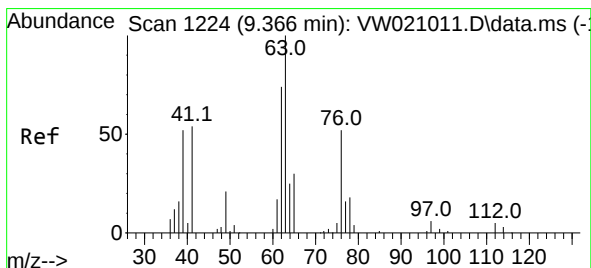
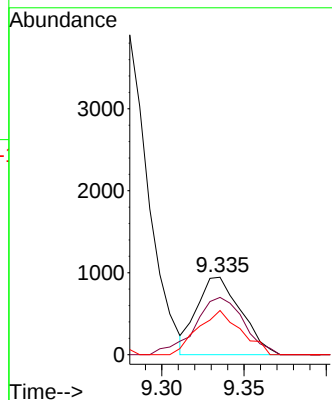
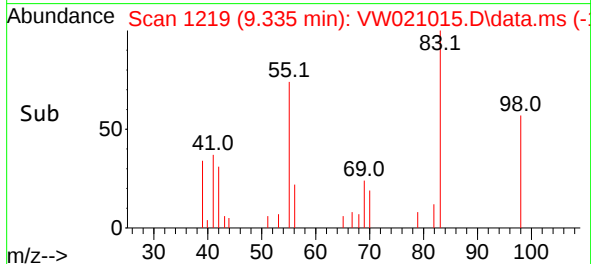


#35
Methylcyclohexane
Concen: 1.856 ug/L
RT: 9.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021015.D
Acq: 02 Dec 2021 01:28

Instrument :
MSVOA_W
ClientSampleId :

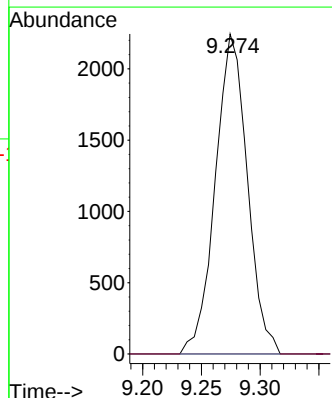
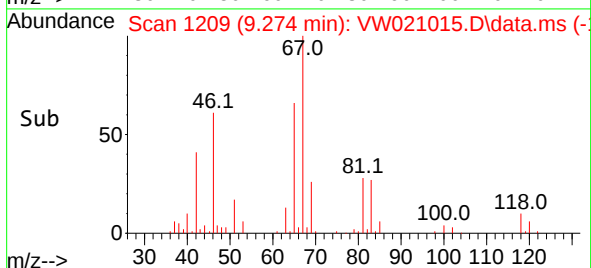
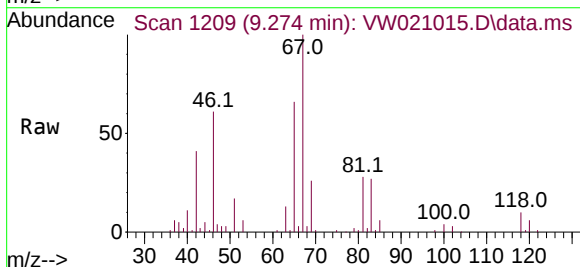


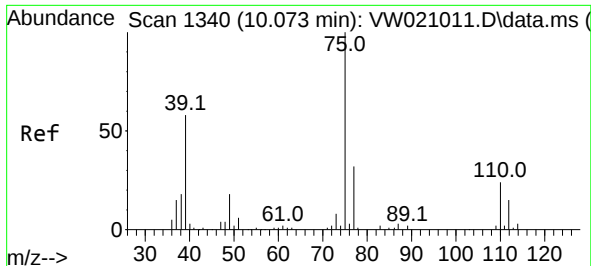
Tgt Ion: 83 Resp: 1757
Ion Ratio Lower Upper
83 100
55 82.3 70.8 106.2
98 55.6 37.7 56.5



#37
1,2-Dichloropropane
Concen: 8.917 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.092 min
Lab File: VW021015.D
Acq: 02 Dec 2021 01:28

Tgt Ion: 63 Resp: 4259
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 1.163 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

Instrument :

MSVOA_W

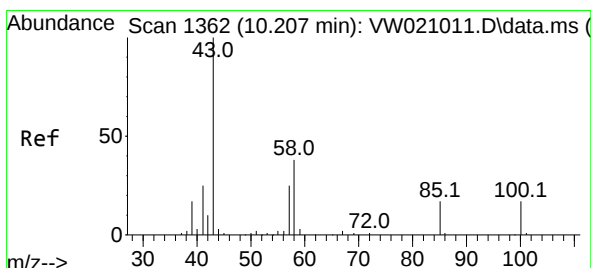
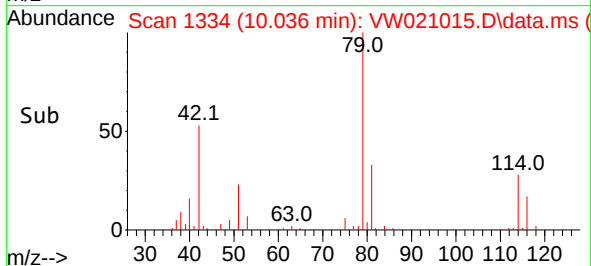
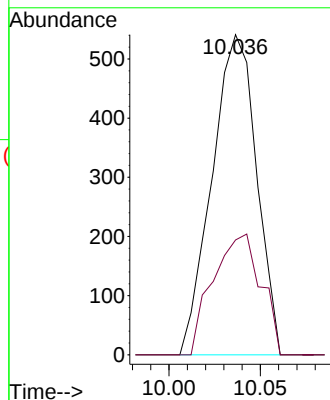
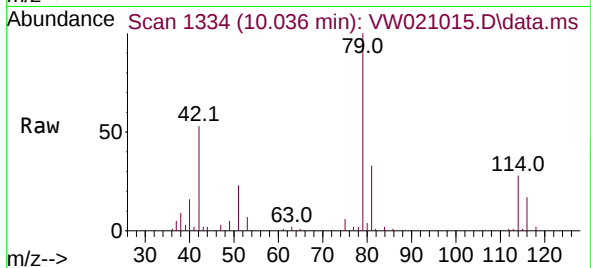
ClientSampleId :

Tgt Ion: 75 Resp: 917

Ion Ratio Lower Upper

75 100

77 35.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 1.994 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

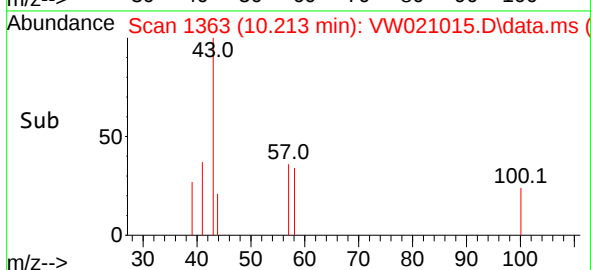
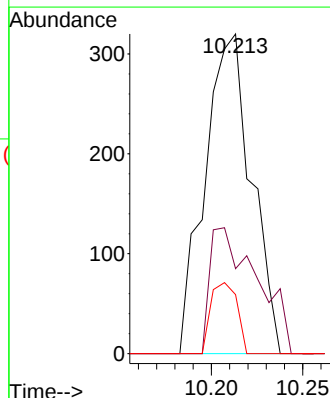
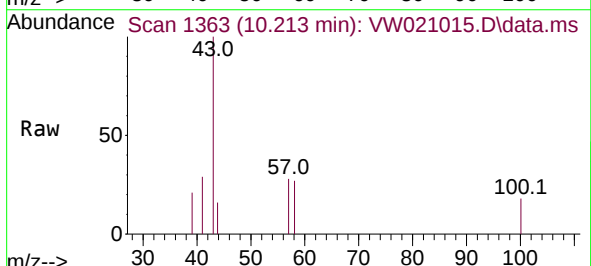
Tgt Ion: 43 Resp: 567

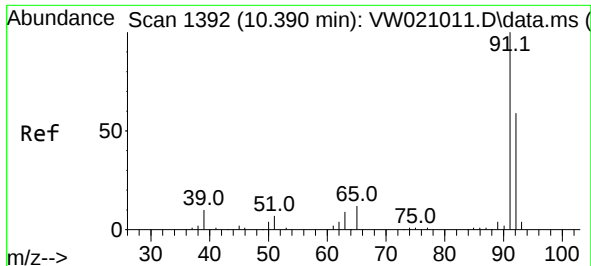
Ion Ratio Lower Upper

43 100

58 36.0 28.8 43.2

100 12.5 10.0 15.0





#42

Toluene

Concen: 1.475 ug/L

RT: 10.384 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

Instrument :

MSVOA_W

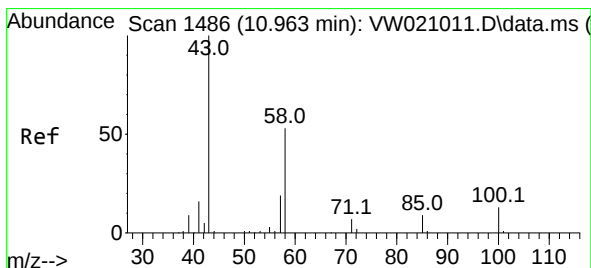
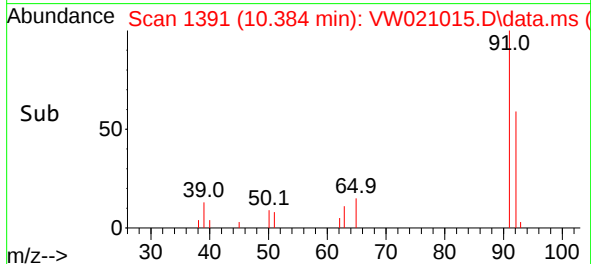
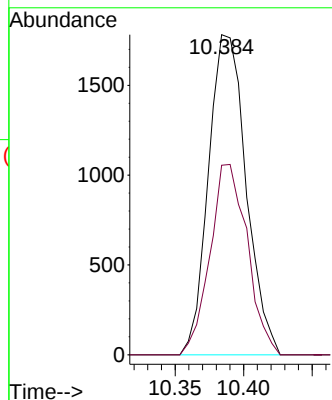
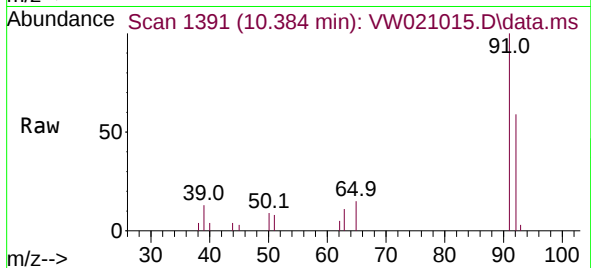
ClientSampleId :

Tgt Ion: 91 Resp: 3405

Ion Ratio Lower Upper

91 100

92 59.2 41.7 77.5



#48

2-Hexanone

Concen: 8.683 ug/L

RT: 10.927 min Scan# 1480

Delta R.T. -0.037 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

Tgt Ion: 43 Resp: 1710

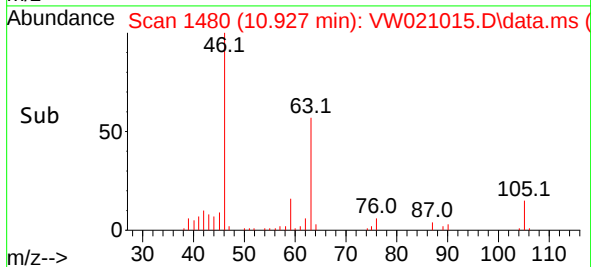
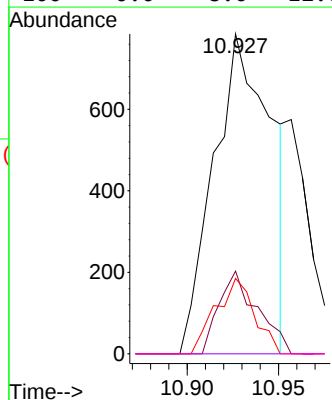
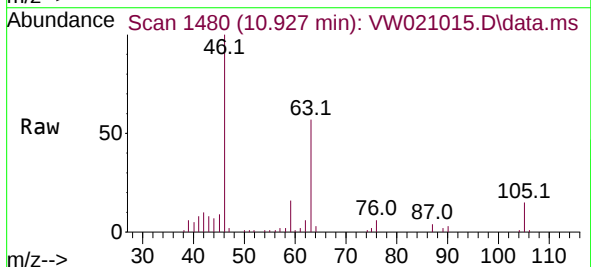
Ion Ratio Lower Upper

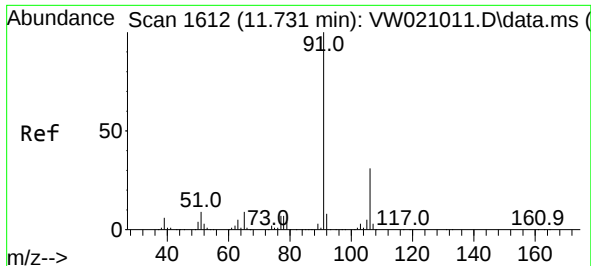
43 100

58 17.3 40.2 60.2#

57 16.0 14.3 21.5

100 0.0 8.0 12.0#





#52

Ethylbenzene

Concen: 0.700 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

Instrument :

MSVOA_W

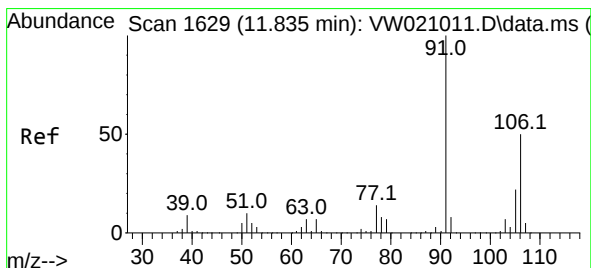
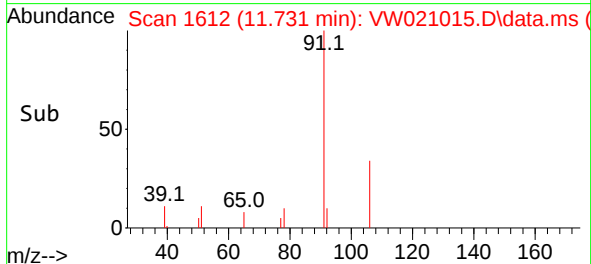
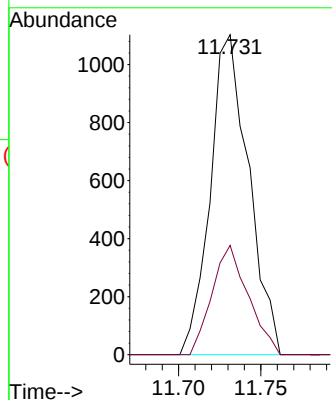
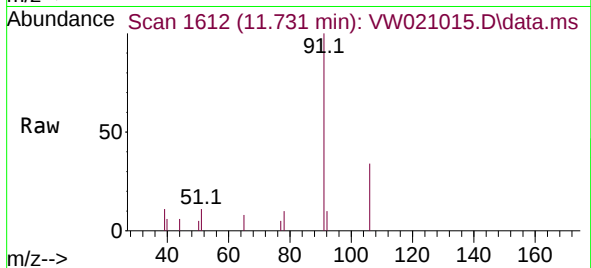
ClientSampleId :

Tgt Ion: 91 Resp: 1791

Ion Ratio Lower Upper

91 100

106 34.2 21.5 39.9



#53

m,p-Xylene

Concen: 2.532 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VW021015.D

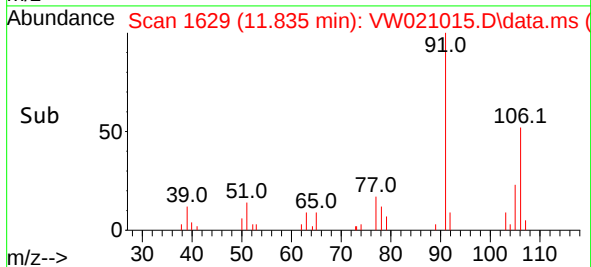
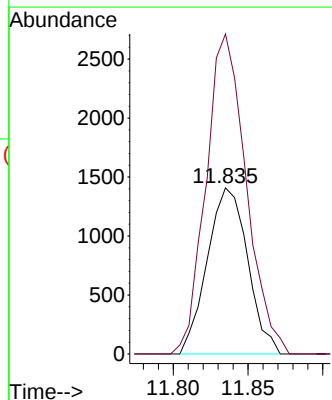
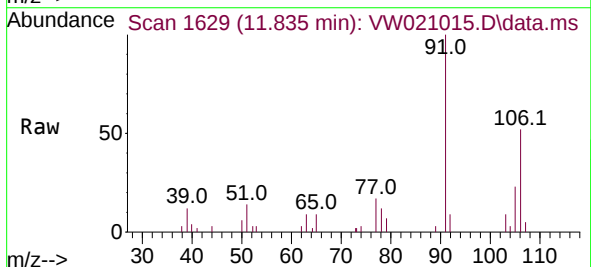
Acq: 02 Dec 2021 01:28

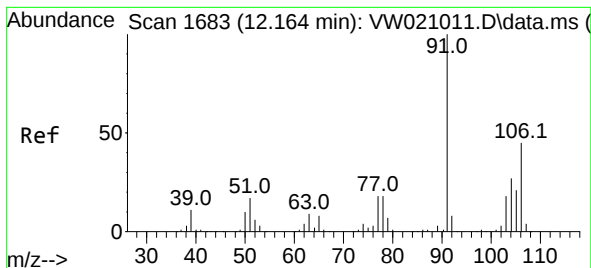
Tgt Ion:106 Resp: 2644

Ion Ratio Lower Upper

106 100

91 192.7 149.9 278.3





#54

o-Xylene

Concen: 0.775 ug/L

RT: 12.170 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

Instrument :

MSVOA_W

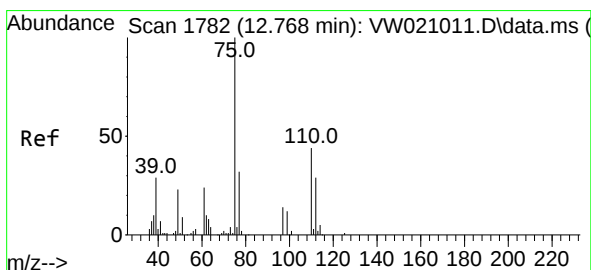
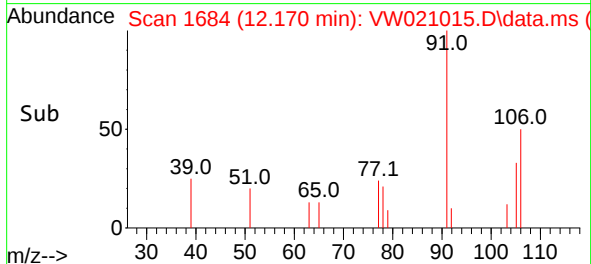
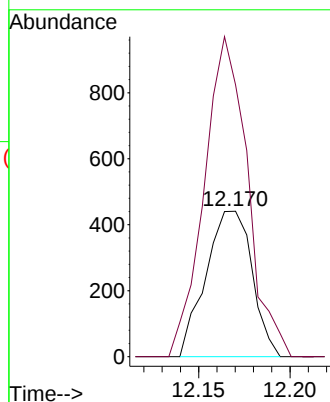
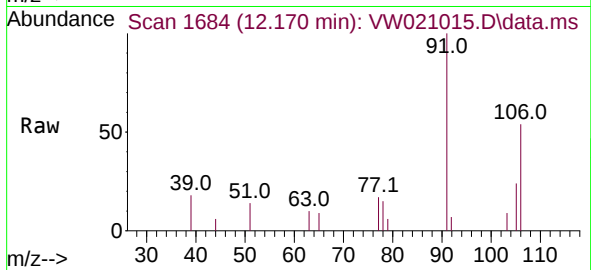
ClientSampleId :

Tgt Ion:106 Resp: 777

Ion Ratio Lower Upper

106 100

91 186.8 153.6 285.3



#61

1,2,3-Trichloropropane

Concen: 1.476 ug/L

RT: 12.920 min Scan# 1807

Delta R.T. 0.152 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

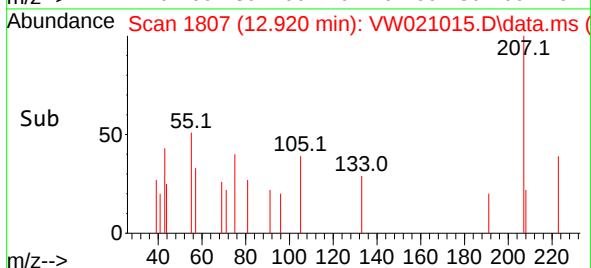
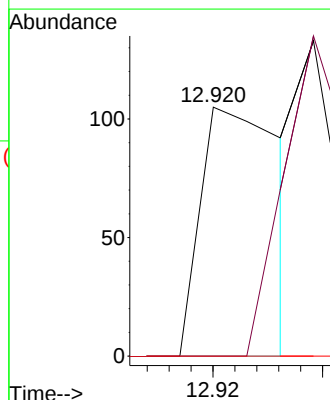
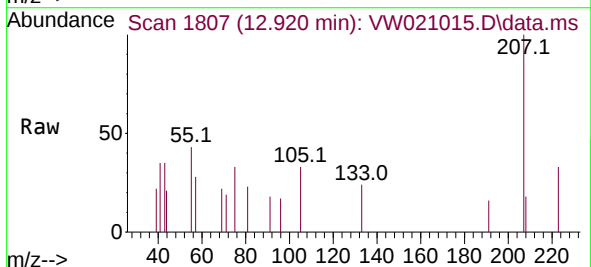
Tgt Ion: 75 Resp: 108

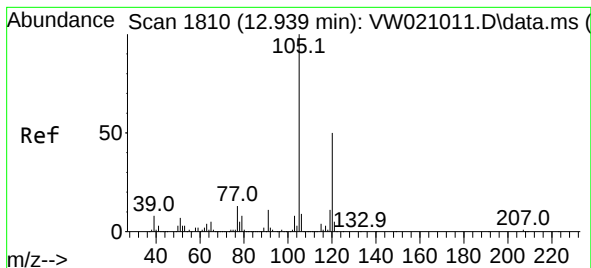
Ion Ratio Lower Upper

75 100

77 101.9 25.8 38.8#

110 0.0 29.0 43.4#





#62

1,3,5-Trimethylbenzene

Concen: 1.551 ug/L

RT: 12.944 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021015.D

Acq: 02 Dec 2021 01:28

Instrument :

MSVOA_W

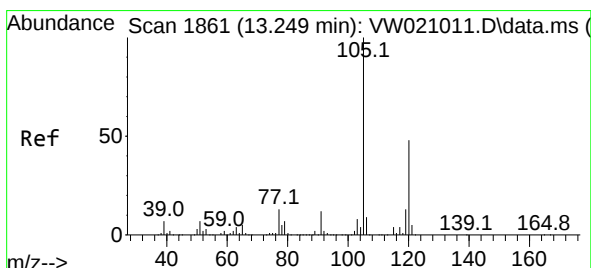
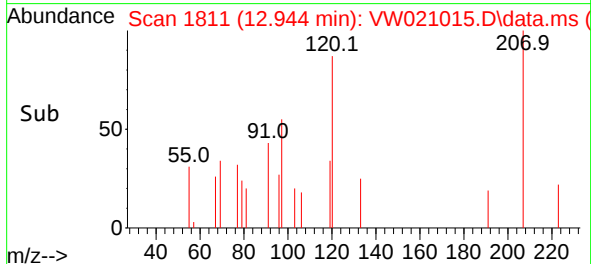
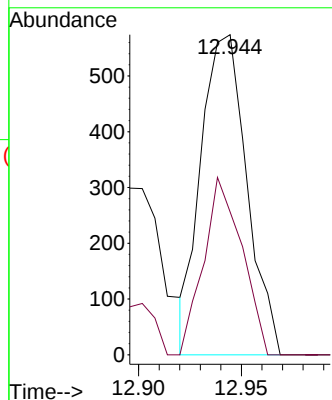
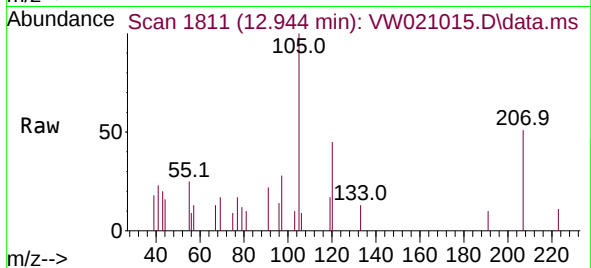
ClientSampleId :

Tgt Ion:105 Resp: 889

Ion Ratio Lower Upper

105 100

120 46.3 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 5.220 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021015.D

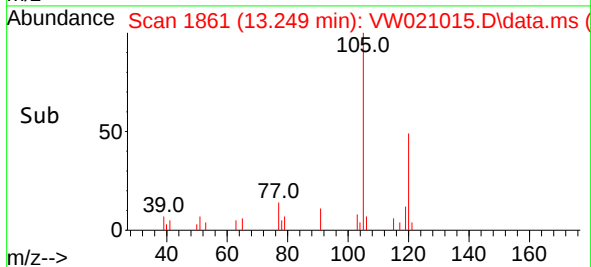
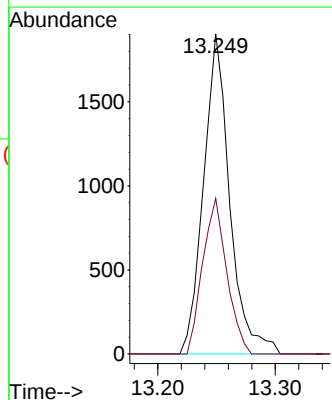
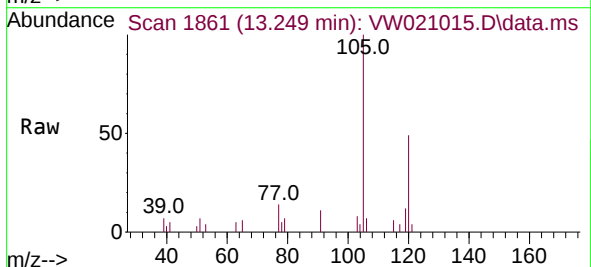
Acq: 02 Dec 2021 01:28

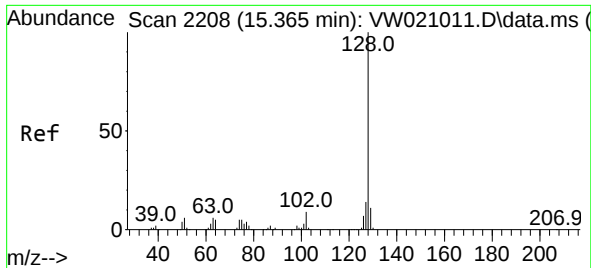
Tgt Ion:105 Resp: 2951

Ion Ratio Lower Upper

105 100

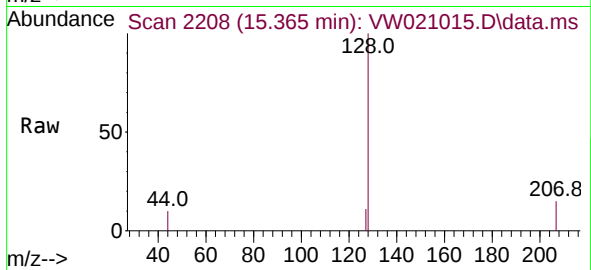
120 44.7 35.0 52.6





#71
Naphthalene
Concen: 2.454 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021015.D
Acq: 02 Dec 2021 01:28

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 825
Ion Ratio Lower Upper
128 100
127 5.6 10.7 16.1#
129 0.0 8.6 12.8#

