

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120421\
 Data File : VW021144.D
 Acq On : 05 Dec 2021 03:02
 Operator : SY/VA
 Sample : M4886-03RE
 Misc : 4.10g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 06 04:29:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 04:50:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	71970	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	45407	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	10624	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	44277	44.156	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 176.640%#	
7) Chloroethane-d5	2.885	69	27831	41.461	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 165.840%#	
11) 1,1-Dichloroethene-d2	4.019	63	46911	29.285	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 117.120%#	
21) 2-Butanone-d5	7.086	46	14702	64.280	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 128.560%	
24) Chloroform-d	7.653	84	69725	38.685	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 154.720%#	
26) 1,2-Dichloroethane-d4	8.305	65	37257	37.784	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 151.120%#	
32) Benzene-d6	8.281	84	120157	51.754	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 207.000%#	
36) 1,2-Dichloropropane-d6	9.274	67	37464	58.066	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 232.280%#	
41) Toluene-d8	10.323	98	96940	40.721	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 162.880%#	
43) trans-1,3-Dichloroprop...	10.579	79	9018	30.782	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 123.120%	
47) 2-Hexanone-d5	10.921	63	10441	84.582	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 169.160%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	22478	37.658	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 150.640%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	11924	31.325	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 125.280%#	
Target Compounds					Qvalue	
13) Acetone	4.135	43	1368	6.566	ug/L	69
16) Methylene chloride	4.915	84	7699	6.790	ug/L	80
22) 2-Butanone	7.135	43	3537	12.268	ug/L #	52
27) 1,2-Dichloroethane	8.397	62	2530	2.185	ug/L	99
34) Trichloroethene	9.085	95	447	0.627	ug/L	93
35) Methylcyclohexane	9.335	83	703	0.586	ug/L #	78
37) 1,2-Dichloropropane	9.281	63	4712	8.074	ug/L #	88
39) cis-1,3-Dichloropropene	10.037	75	1087	1.151	ug/L	92
42) Toluene	10.390	91	10108	3.427	ug/L	95
48) 2-Hexanone	10.927	43	1550	5.404	ug/L #	67
52) Ethylbenzene	11.731	91	1588	0.478	ug/L	90
53) m,p-Xylene	11.835	106	1487	1.083	ug/L	92
54) o-Xylene	12.164	106	1225	0.946	ug/L	97
60) Isopropylbenzene	12.463	105	820	0.555	ug/L #	86
63) 1,2,4-Trimethylbenzene	13.249	105	1149	0.924	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.517	75	5238	130.340	ug/L #	10
71) Naphthalene	15.359	128	1830	2.345	ug/L #	90

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Quant Title : SFAM01.0
QLast Update : Sat Dec 04 04:50:24 2021
Response via : Initial Calibration

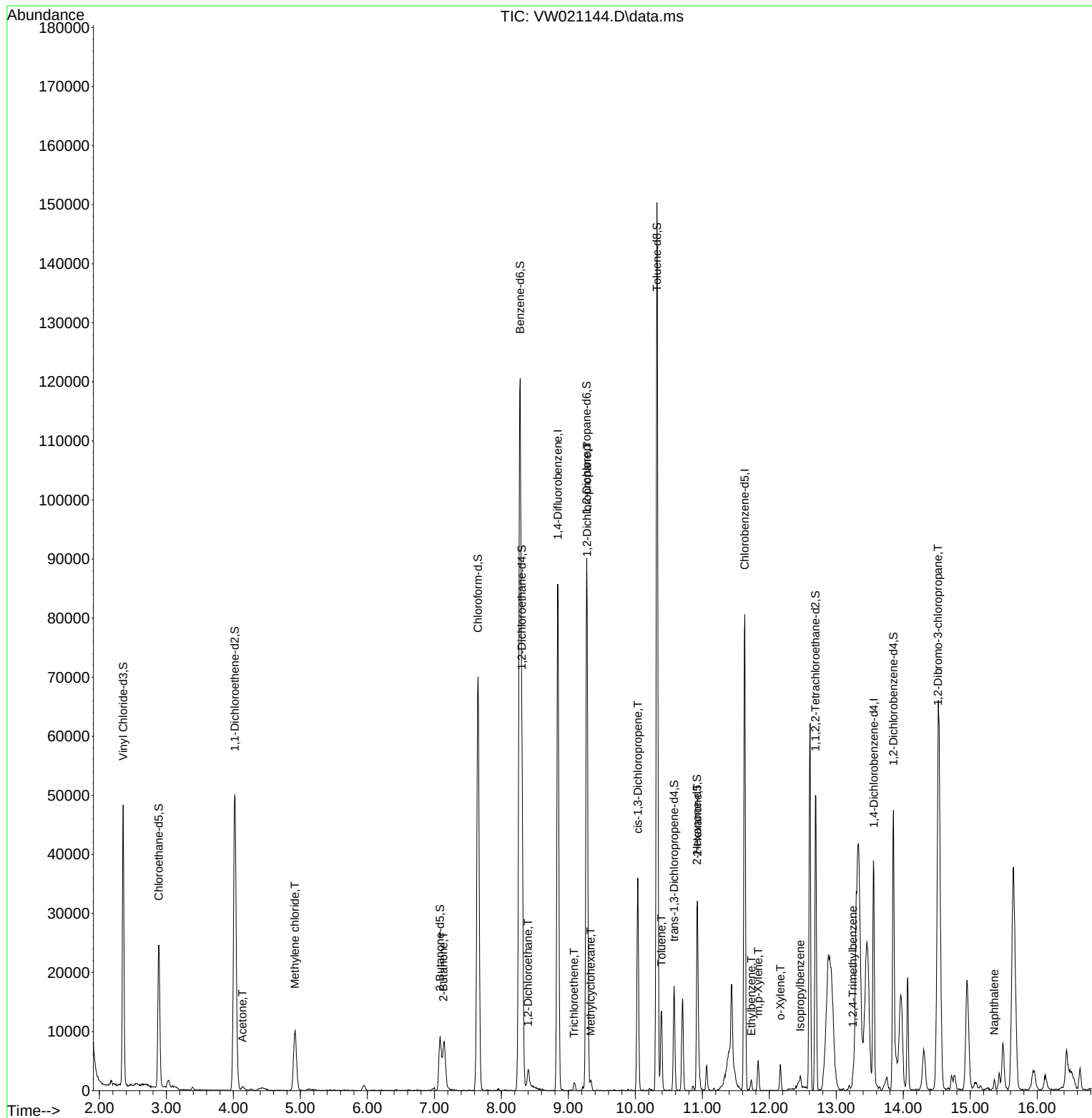
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

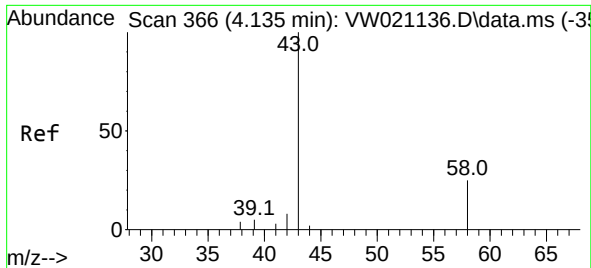
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : SFAM01.0
QLast Update : Sat Dec 04 04:50:24 2021
Response via : Initial Calibration





#13

Acetone

Concen: 6.566 ug/L

RT: 4.135 min Scan# 366

Delta R.T. -0.000 min

Lab File: VW021144.D

Acq: 05 Dec 2021 03:02

Instrument :

MSVOA_W

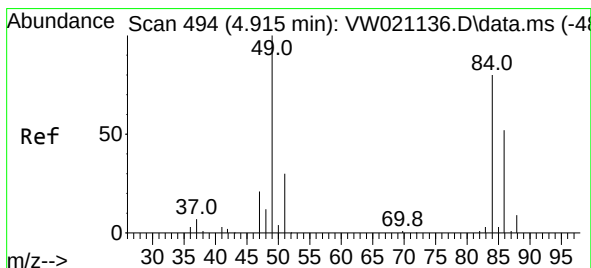
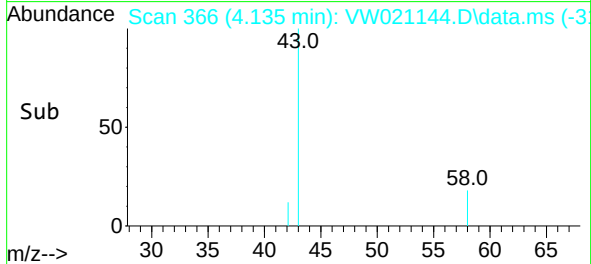
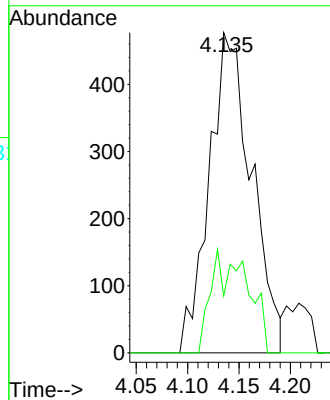
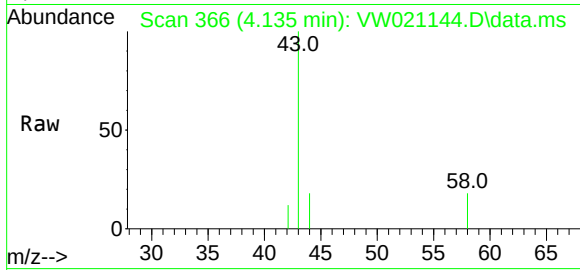
ClientSampleId :

Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

58 10.5 0.0 52.8



#16

Methylene chloride

Concen: 6.790 ug/L

RT: 4.915 min Scan# 494

Delta R.T. -0.000 min

Lab File: VW021144.D

Acq: 05 Dec 2021 03:02

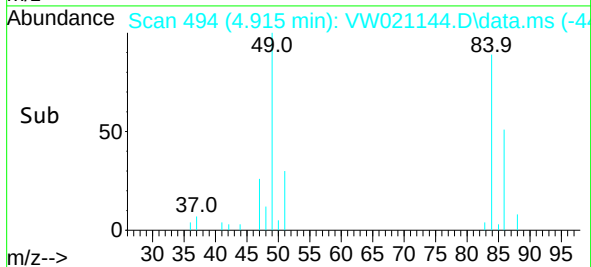
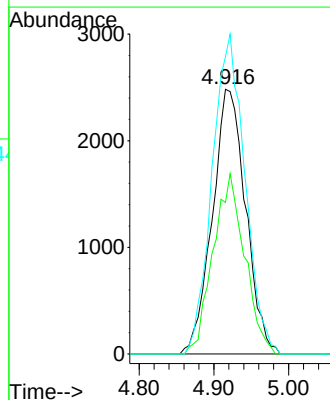
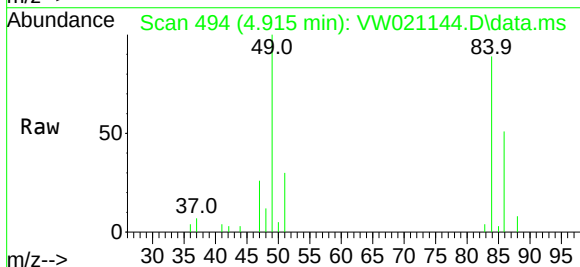
Tgt Ion: 84 Resp: 7699

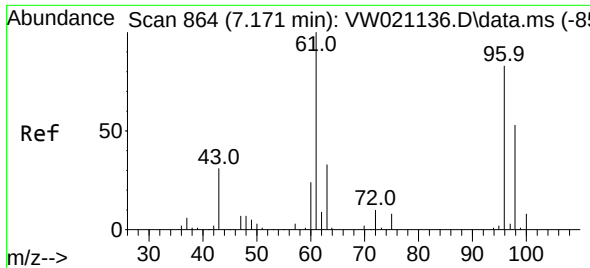
Ion Ratio Lower Upper

84 100

86 57.3 45.5 84.5

49 112.3 100.5 186.7

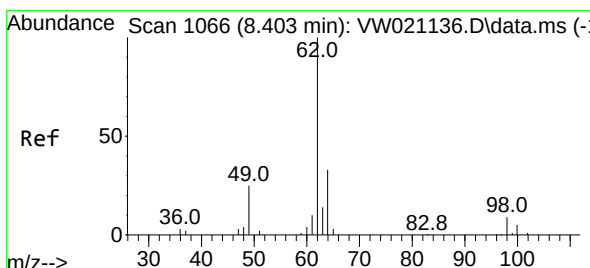
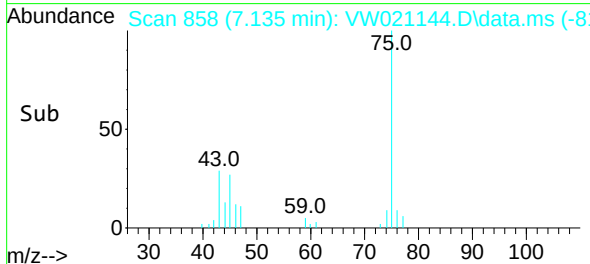
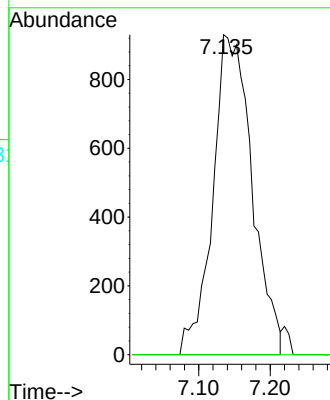
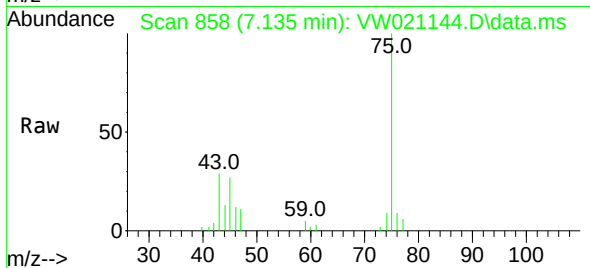




#22
2-Butanone
Concen: 12.268 ug/L
RT: 7.135 min Scan# 81
Delta R.T. -0.037 min
Lab File: VW021144.D
Acq: 05 Dec 2021 03:02

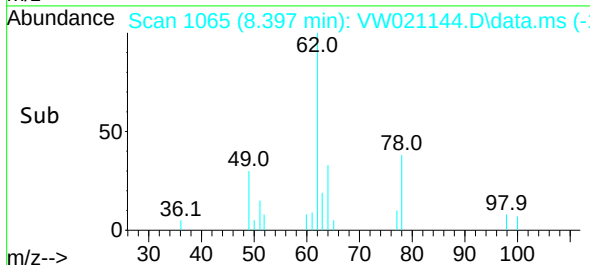
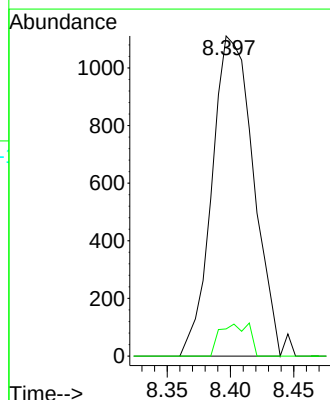
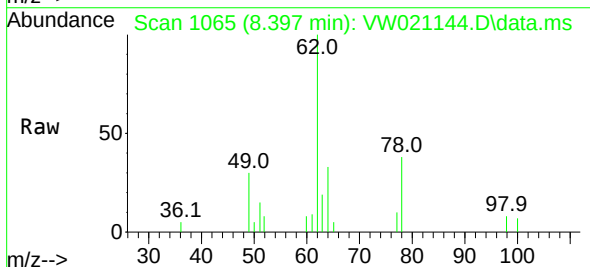
Instrument :
MSVOA_W
ClientSampleId :

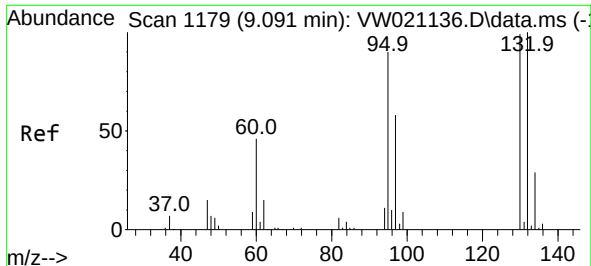
Tgt Ion: 43 Resp: 3537
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 2.185 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW021144.D
Acq: 05 Dec 2021 03:02

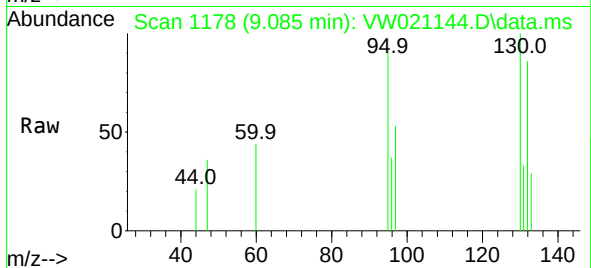
Tgt Ion: 62 Resp: 2530
Ion Ratio Lower Upper
62 100
98 8.5 6.5 9.7





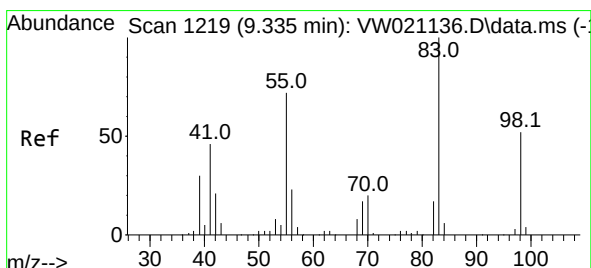
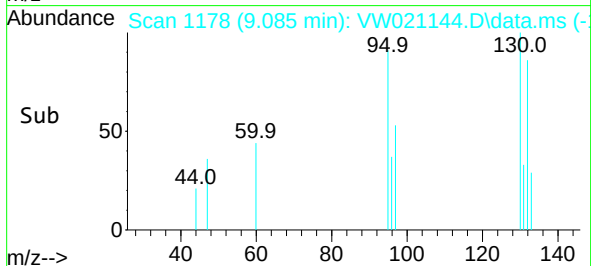
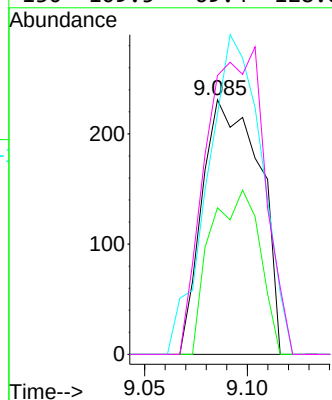
#34
Trichloroethene
Concen: 0.627 ug/L
RT: 9.085 min Scan# 1178
Delta R.T. -0.006 min
Lab File: VW021144.D
Acq: 05 Dec 2021 03:02

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 95 Resp: 447

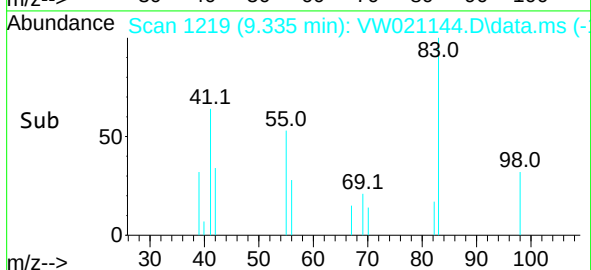
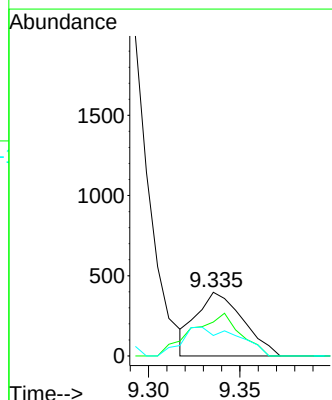
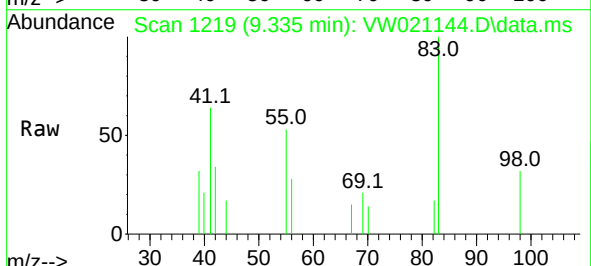
Ion	Ratio	Lower	Upper
95	100		
97	57.6	47.0	87.2
132	94.4	65.5	121.6
130	109.5	69.4	128.8

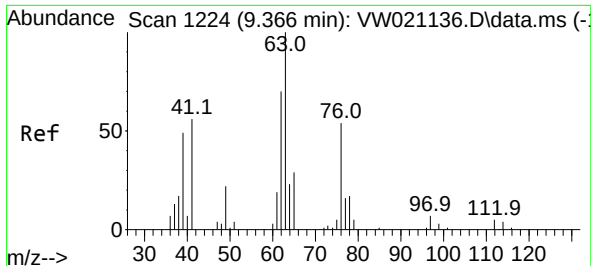


#35
Methylcyclohexane
Concen: 0.586 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW021144.D
Acq: 05 Dec 2021 03:02

Tgt Ion: 83 Resp: 703

Ion	Ratio	Lower	Upper
83	100		
55	69.4	70.8	106.2#
98	31.3	37.7	56.5#





#37

1,2-Dichloropropane

Concen: 8.074 ug/L

RT: 9.281 min Scan# 11

Delta R.T. -0.091 min

Lab File: VW021144.D

Acq: 05 Dec 2021 03:02

Instrument :

MSVOA_W

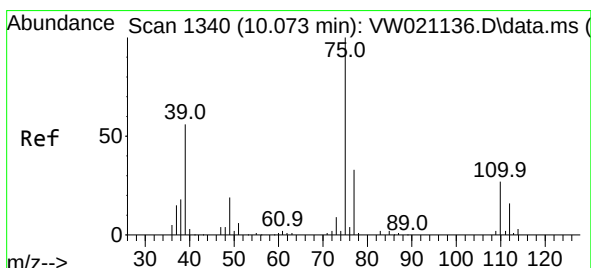
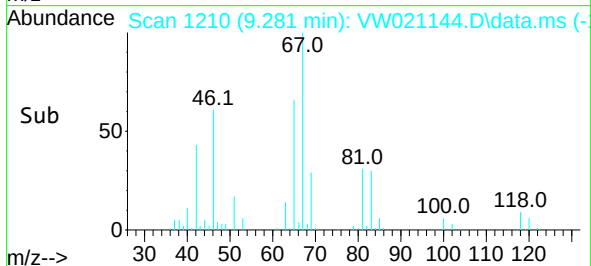
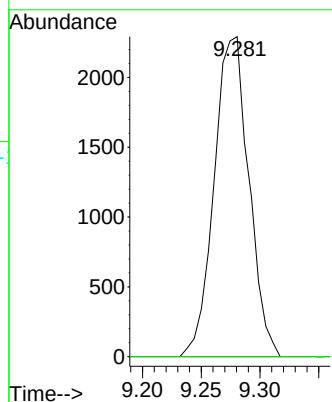
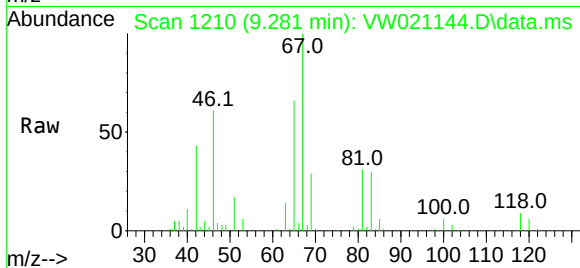
ClientSampleId :

Tgt Ion: 63 Resp: 4712

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 1.151 ug/L

RT: 10.037 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021144.D

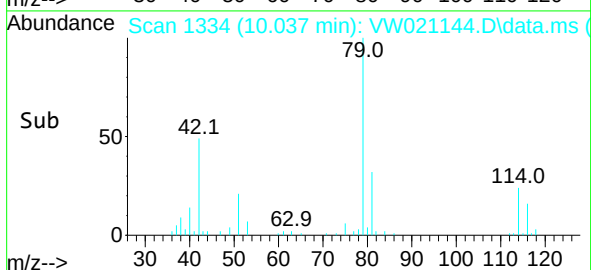
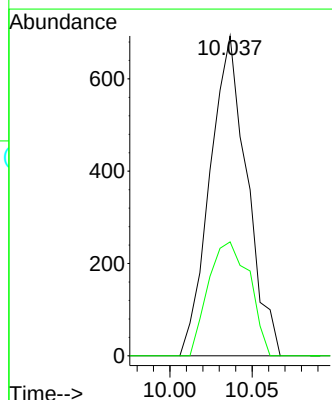
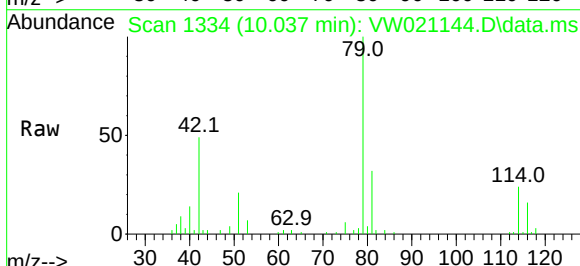
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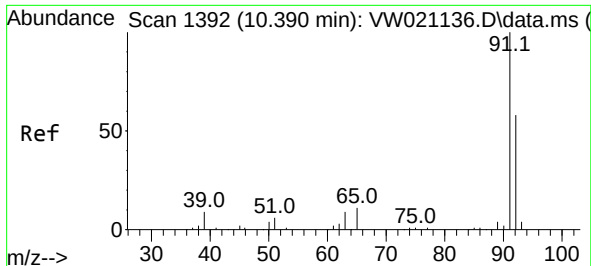
Tgt Ion: 75 Resp: 1087

Ion Ratio Lower Upper

75 100

77 35.6 21.8 40.6





#42

Toluene

Concen: 3.427 ug/L

RT: 10.390 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021144.D

Acq: 05 Dec 2021 03:02

Instrument :

MSVOA_W

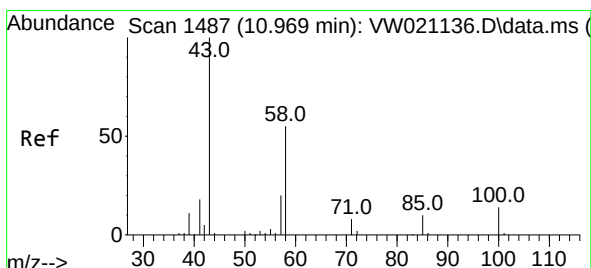
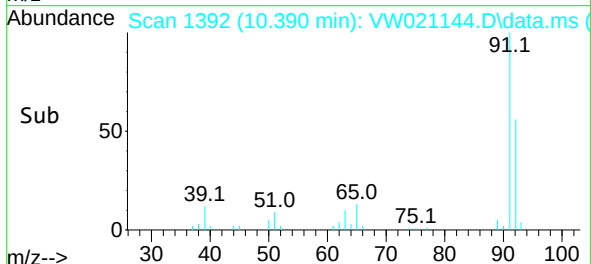
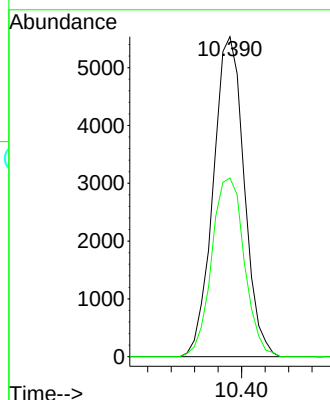
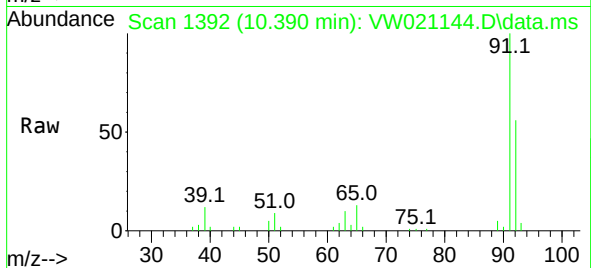
ClientSampleId :

Tgt Ion: 91 Resp: 10108

Ion Ratio Lower Upper

91 100

92 55.8 41.7 77.5



#48

2-Hexanone

Concen: 5.404 ug/L

RT: 10.927 min Scan# 1480

Delta R.T. -0.043 min

Lab File: VW021144.D

Acq: 05 Dec 2021 03:02

Tgt Ion: 43 Resp: 1550

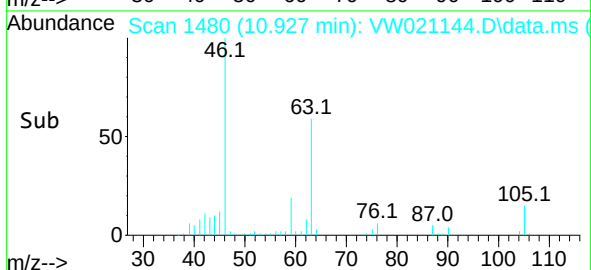
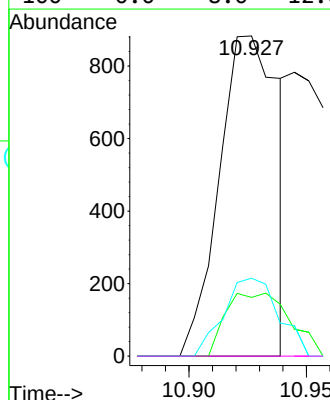
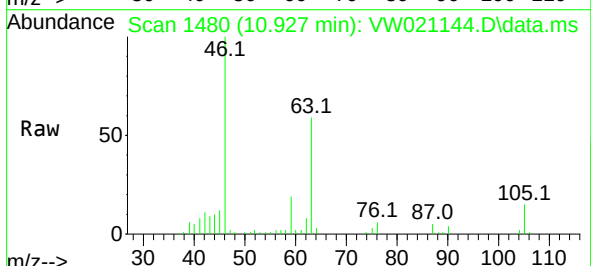
Ion Ratio Lower Upper

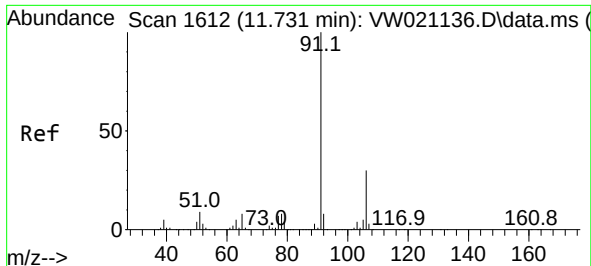
43 100

58 21.2 40.2 60.2#

57 22.6 14.3 21.5#

100 0.0 8.0 12.0#





#52

Ethylbenzene

Concen: 0.478 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021144.D

Acq: 05 Dec 2021 03:02

Instrument :

MSVOA_W

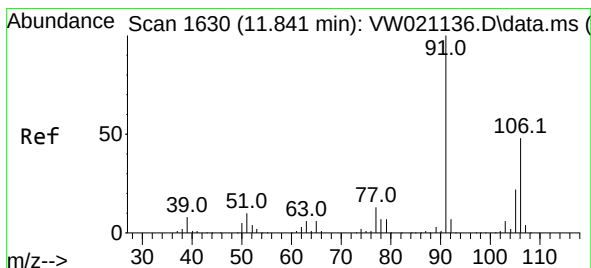
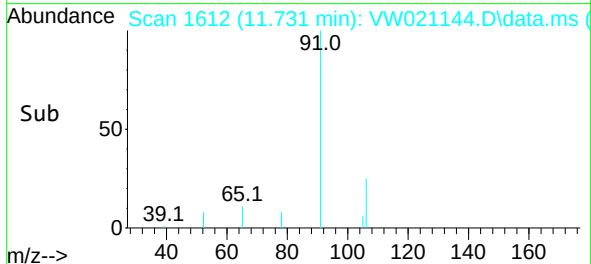
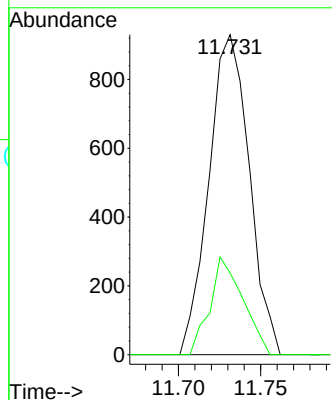
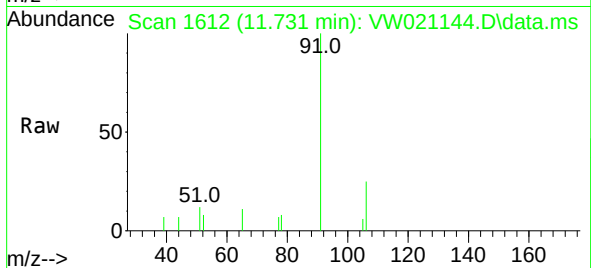
ClientSampleId :

Tgt Ion: 91 Resp: 1588

Ion Ratio Lower Upper

91 100

106 25.5 21.5 39.9



#53

m,p-Xylene

Concen: 1.083 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW021144.D

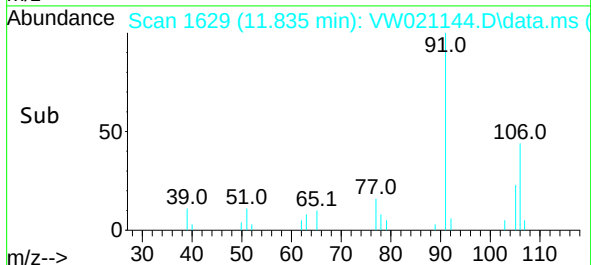
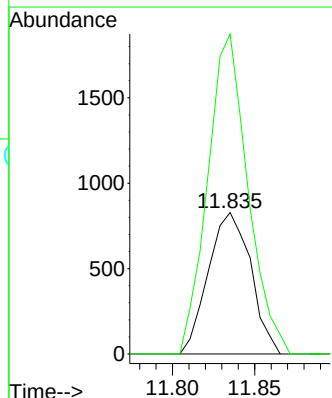
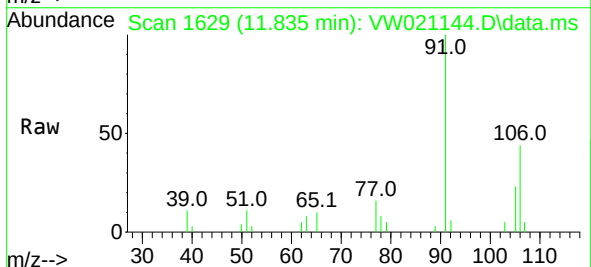
Acq: 05 Dec 2021 03:02

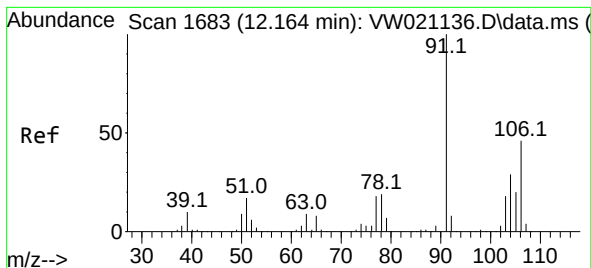
Tgt Ion:106 Resp: 1487

Ion Ratio Lower Upper

106 100

91 226.3 149.9 278.3





#54

o-Xylene

Concen: 0.946 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021144.D

Acq: 05 Dec 2021 03:02

Instrument :

MSVOA_W

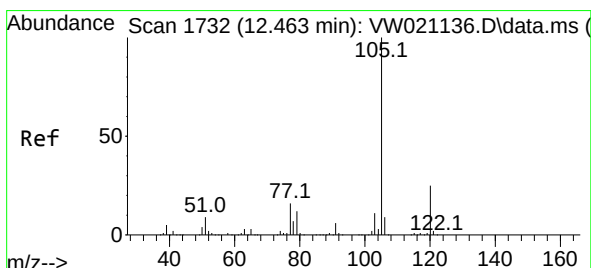
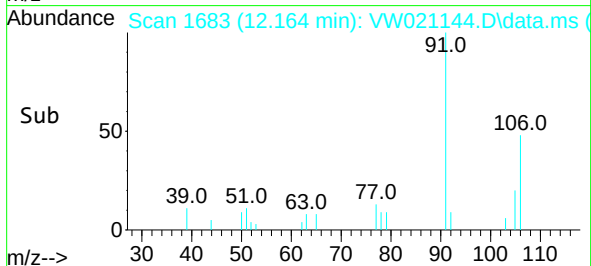
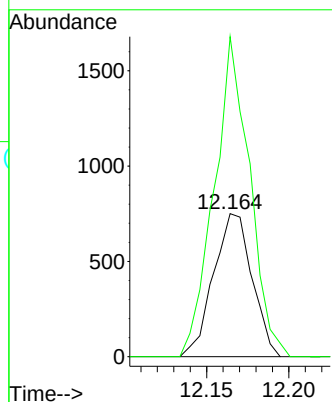
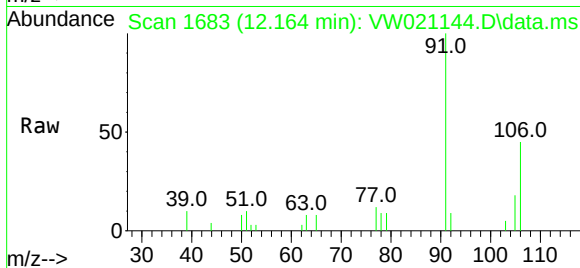
ClientSampleId :

Tgt Ion:106 Resp: 1225

Ion Ratio Lower Upper

106 100

91 223.6 153.6 285.3



#60

Isopropylbenzene

Concen: 0.555 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. -0.000 min

Lab File: VW021144.D

Acq: 05 Dec 2021 03:02

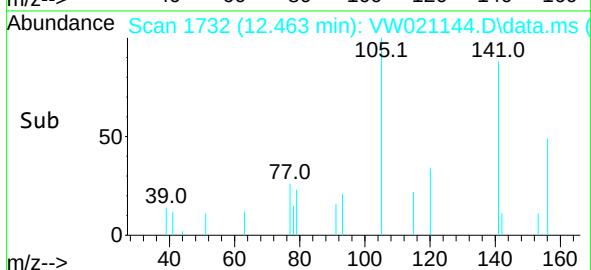
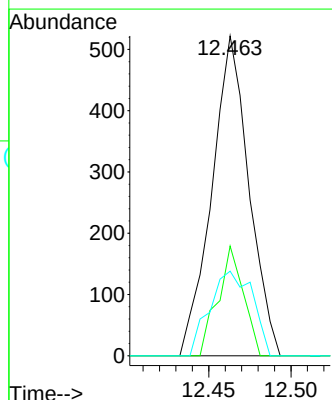
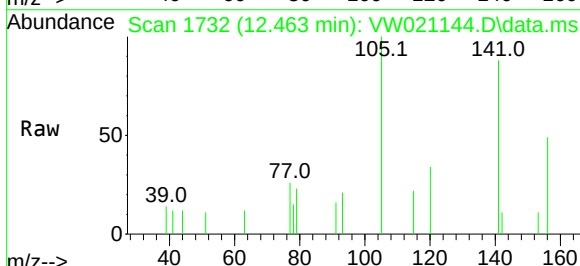
Tgt Ion:105 Resp: 820

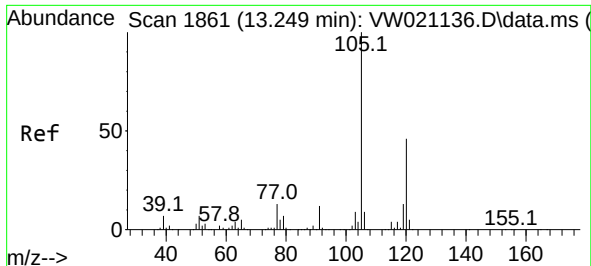
Ion Ratio Lower Upper

105 100

120 23.5 20.1 30.1

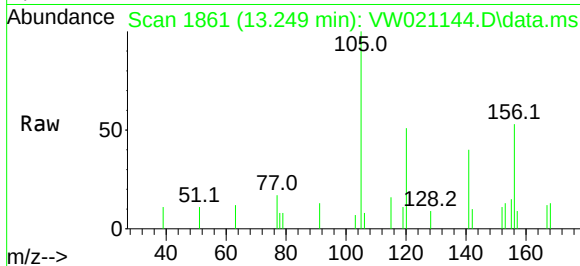
77 30.4 13.8 20.8#



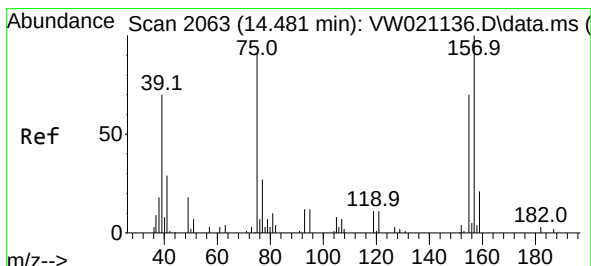
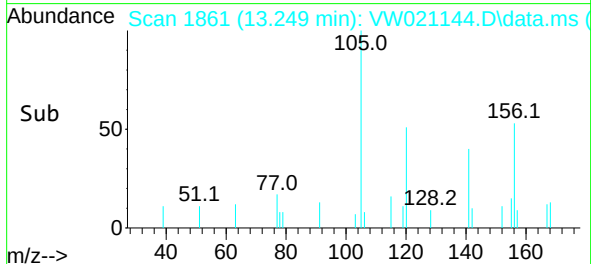
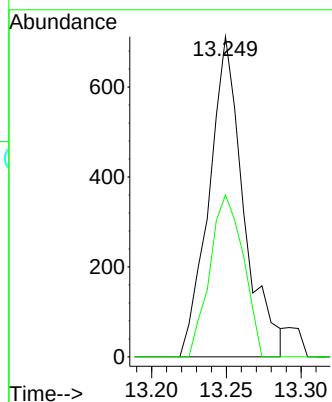


#63
1,2,4-Trimethylbenzene
Concen: 0.924 ug/L
RT: 13.249 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VW021144.D
Acq: 05 Dec 2021 03:02

Instrument :
MSVOA_W
ClientSampleId :

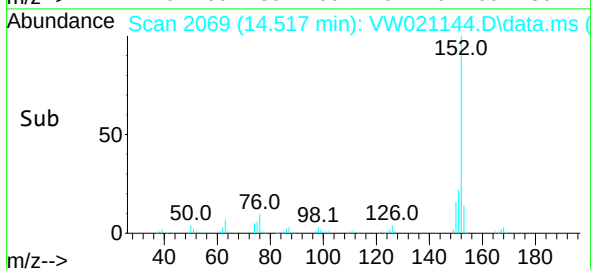
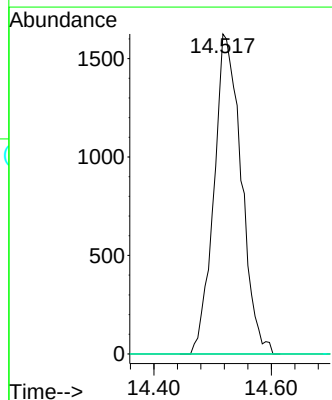
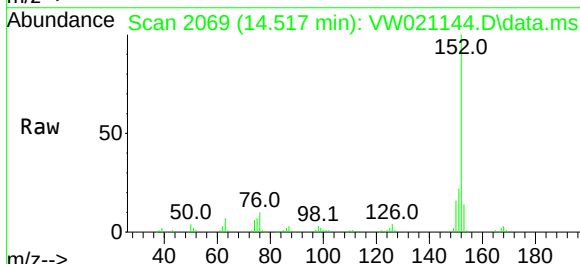


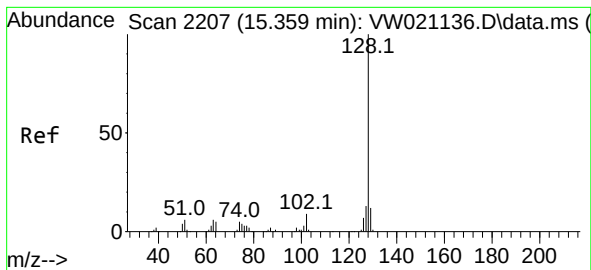
Tgt Ion:105 Resp: 1149
Ion Ratio Lower Upper
105 100
120 48.7 35.0 52.6



#68
1,2-Dibromo-3-chloropropane
Concen: 130.340 ug/L
RT: 14.517 min Scan# 2069
Delta R.T. 0.037 min
Lab File: VW021144.D
Acq: 05 Dec 2021 03:02

Tgt Ion: 75 Resp: 5238
Ion Ratio Lower Upper
75 100
155 0.0 54.2 81.2#
157 0.0 69.4 104.2#





#71

Naphthalene

Concen: 2.345 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.006 min

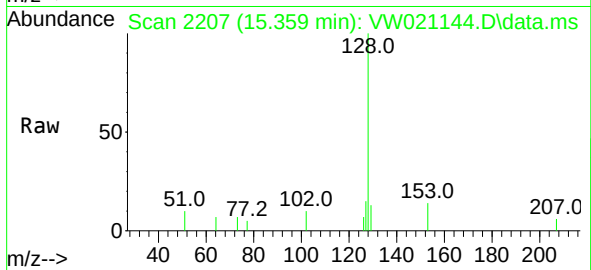
Lab File: VW021144.D

Acq: 05 Dec 2021 03:02

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:128 Resp: 1830

Ion Ratio Lower Upper

128 100

127 11.5 10.7 16.1

129 4.5 8.6 12.8#

