

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120821\
 Data File : VW021224.D
 Acq On : 08 Dec 2021 12:54
 Operator : SY/VA
 Sample : M4960-05
 Misc : 6.85g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 08 23:01:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 08 22:58:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	111916	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	130613	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	74540	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	47077	30.191	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 120.760%	
7) Chloroethane-d5	2.879	69	31543	30.219	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 120.880%	
11) 1,1-Dichloroethene-d2	4.013	63	45375	18.216	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 72.880%	
21) 2-Butanone-d5	7.092	46	14068	39.554	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	= 79.100%	
24) Chloroform-d	7.647	84	68141	24.312	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 97.240%	
26) 1,2-Dichloroethane-d4	8.305	65	36846	24.030	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 96.120%	
32) Benzene-d6	8.275	84	139090	20.827	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 83.320%	
36) 1,2-Dichloropropane-d6	9.274	67	38097	20.527	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 82.120%	
41) Toluene-d8	10.323	98	141007	20.592	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 82.360%	
43) trans-1,3-Dichloroprop...	10.579	79	15628	18.545	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 74.160%	
47) 2-Hexanone-d5	10.927	63	12612	35.519	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 71.040%	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	36932	21.510	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 86.040%	
66) 1,2-Dichlorobenzene-d4	13.847	152	57855	21.662	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 86.640%	
Target Compounds						
					Qvalue	
13) Acetone	4.153	43	5410	16.699	ug/L	73
29) Cyclohexane	7.921	56	15483	5.373	ug/L	# 58
35) Methylcyclohexane	9.335	83	1825	0.529	ug/L	# 1
38) Bromodichloromethane	9.622	83	1187	0.503	ug/L	# 25
39) cis-1,3-Dichloropropene	10.037	75	1548	0.570	ug/L	# 80
40) 4-Methyl-2-pentanone	10.250	43	4082	3.569	ug/L	# 69
45) 1,1,2-Trichloroethane	10.762	97	18206	12.936	ug/L	# 21
48) 2-Hexanone	11.000	43	1981	2.401	ug/L	# 43
52) Ethylbenzene	11.731	91	138497	14.501	ug/L	98
53) m,p-Xylene	11.835	106	7691	1.947	ug/L	72
54) o-Xylene	12.164	106	5834	1.566	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.701	83	5033	2.973	ug/L	79
60) Isopropylbenzene	12.463	105	86969	8.395	ug/L	97
62) 1,3,5-Trimethylbenzene	12.945	105	12080	1.392	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	145911	16.723	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	7807	1.798	ug/L	# 58
68) 1,2-Dibromo-3-chloropr...	14.420	75	1741	6.175	ug/L	# 10
70) 1,2,4-trichlorobenzene	15.127	180	7602	2.581	ug/L	# 1
71) Naphthalene	15.365	128	633563	115.695	ug/L	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 08 22:58:53 2021
Response via : Initial Calibration

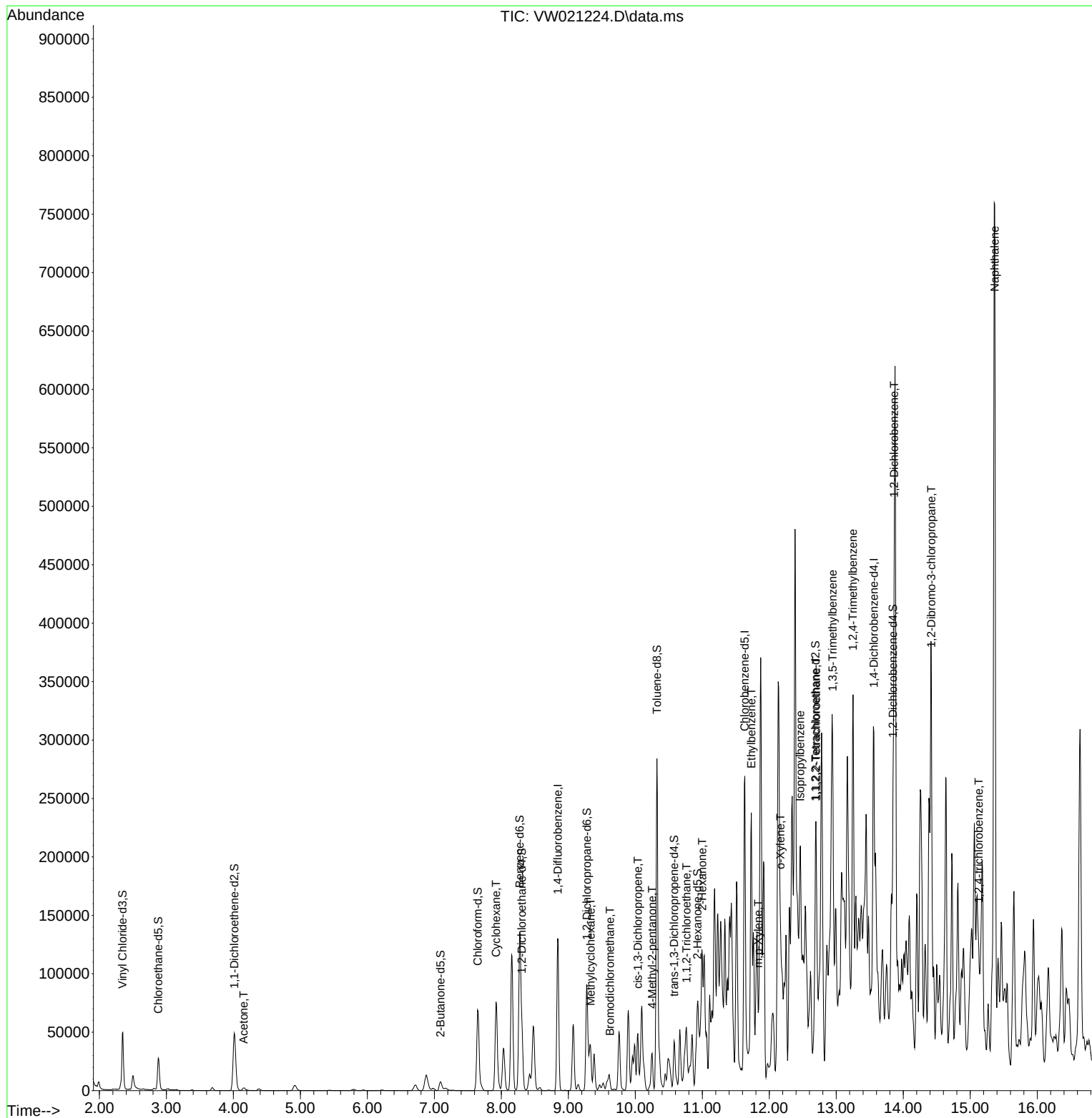
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

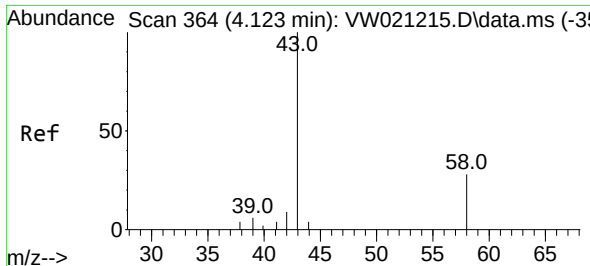
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 16.699 ug/L

RT: 4.153 min Scan# 3

Delta R.T. 0.030 min

Lab File: VW021224.D

Acq: 08 Dec 2021 12:54

Instrument :

MSVOA_W

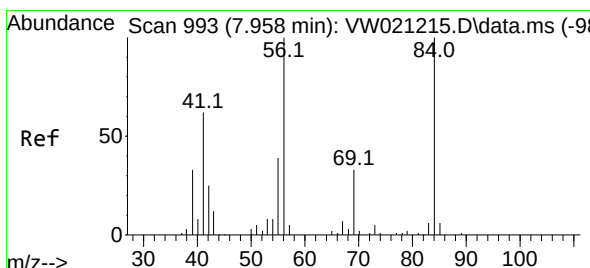
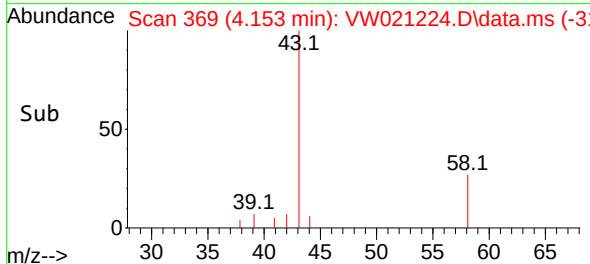
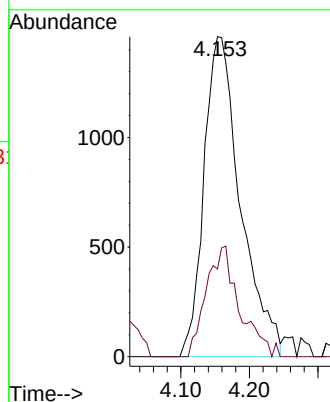
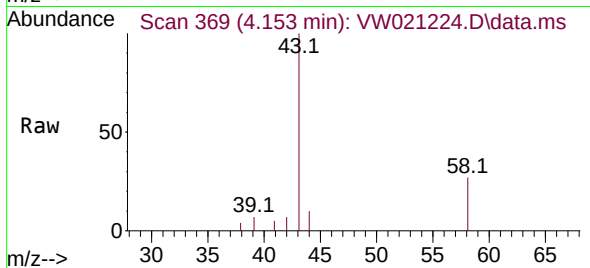
ClientSampleId :

Tgt Ion: 43 Resp: 5410

Ion Ratio Lower Upper

43 100

58 12.7 0.0 52.8



#29

Cyclohexane

Concen: 5.373 ug/L

RT: 7.921 min Scan# 987

Delta R.T. -0.037 min

Lab File: VW021224.D

Acq: 08 Dec 2021 12:54

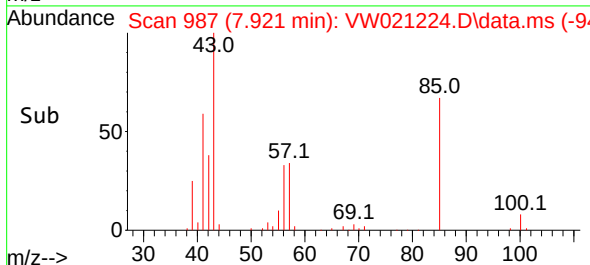
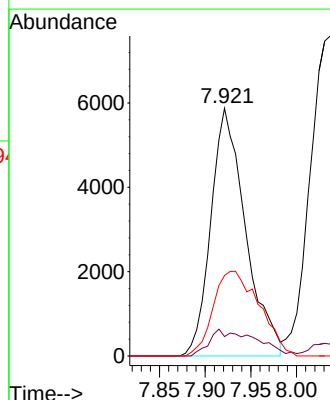
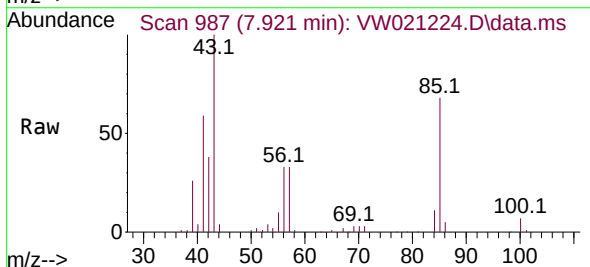
Tgt Ion: 56 Resp: 15483

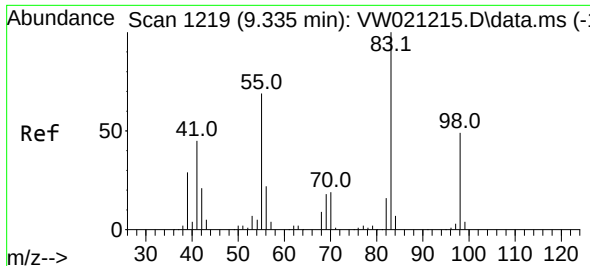
Ion Ratio Lower Upper

56 100

69 0.9 23.5 35.3#

84 45.6 63.4 95.2#

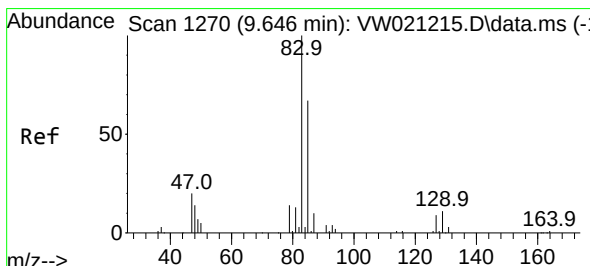
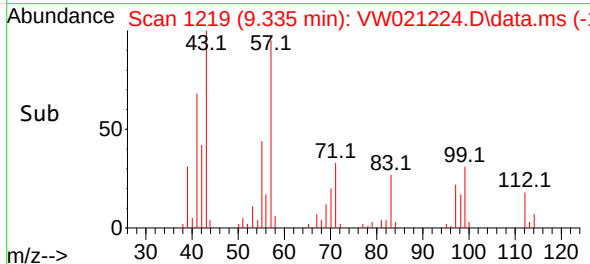
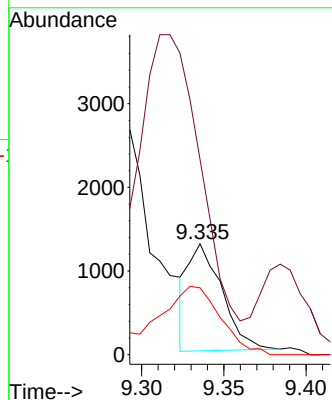
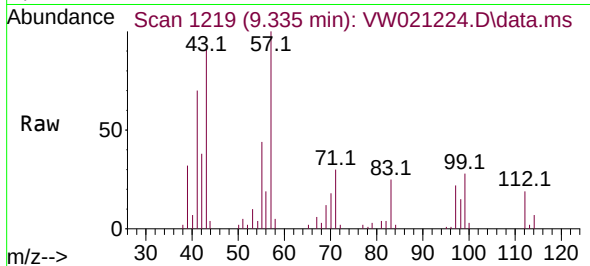




#35
Methylcyclohexane
Concen: 0.529 ug/L
RT: 9.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

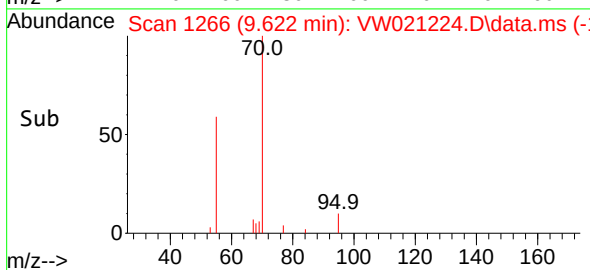
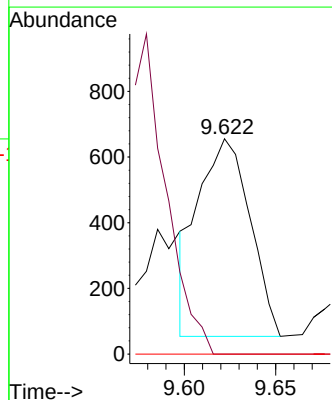
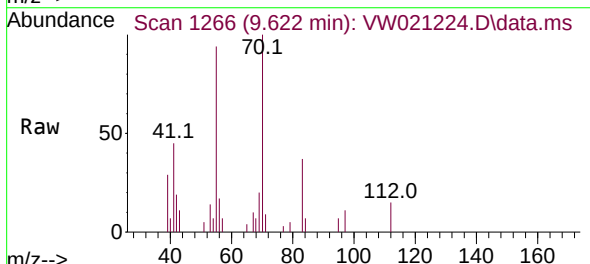
Instrument :
MSVOA_W
ClientSampleId :

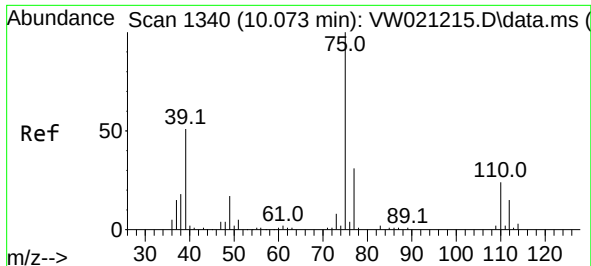
Tgt Ion: 83 Resp: 1825
Ion Ratio Lower Upper
83 100
55 596.5 70.8 106.2#
98 123.8 37.7 56.5#



#38
Bromodichloromethane
Concen: 0.503 ug/L
RT: 9.622 min Scan# 1266
Delta R.T. -0.024 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

Tgt Ion: 83 Resp: 1187
Ion Ratio Lower Upper
83 100
85 0.0 44.1 81.9#
127 0.0 6.1 9.1#





#39

cis-1,3-Dichloropropene

Concen: 0.570 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021224.D

Acq: 08 Dec 2021 12:54

Instrument :

MSVOA_W

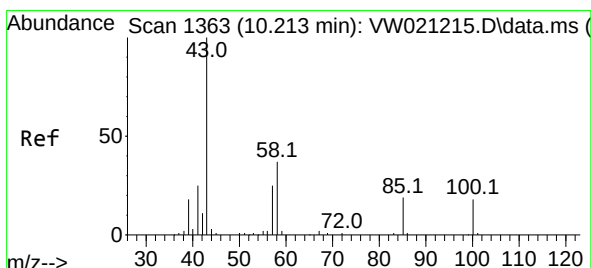
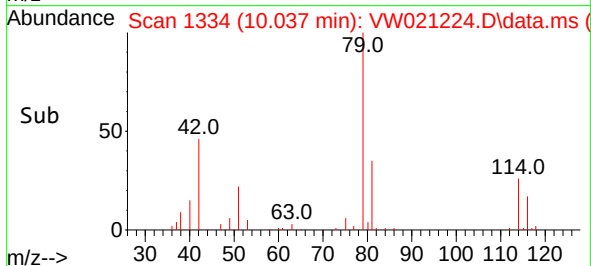
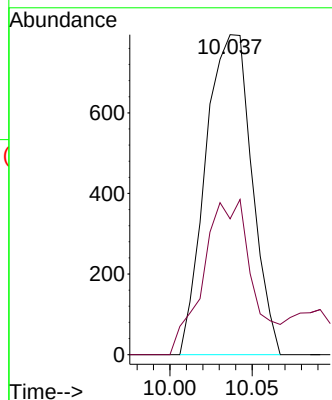
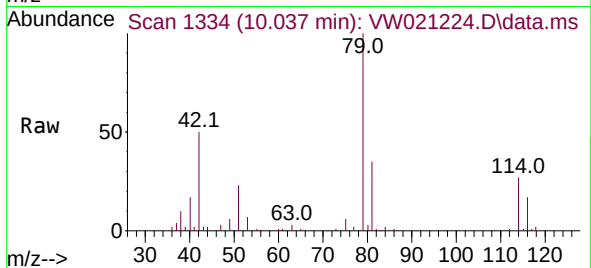
ClientSampleId :

Tgt Ion: 75 Resp: 1548

Ion Ratio Lower Upper

75 100

77 42.4 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 3.569 ug/L

RT: 10.250 min Scan# 1369

Delta R.T. 0.037 min

Lab File: VW021224.D

Acq: 08 Dec 2021 12:54

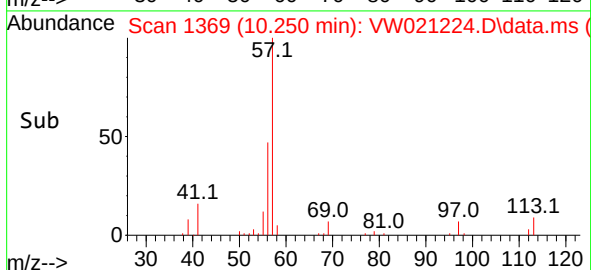
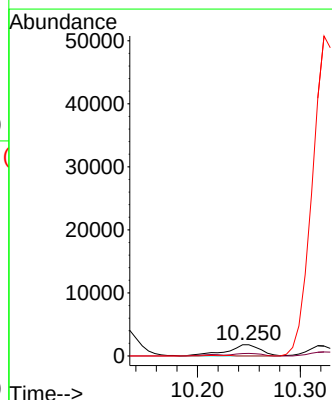
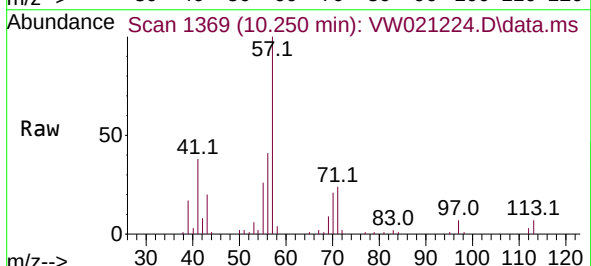
Tgt Ion: 43 Resp: 4082

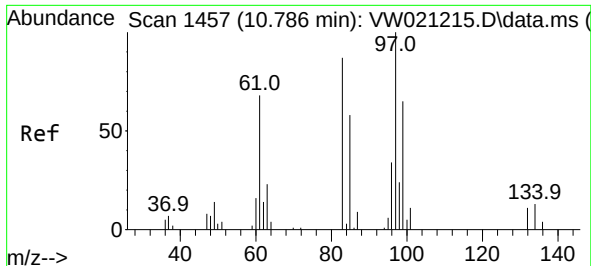
Ion Ratio Lower Upper

43 100

58 17.5 28.8 43.2#

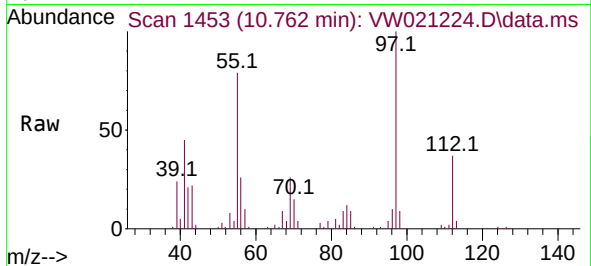
100 0.6 10.0 15.0#



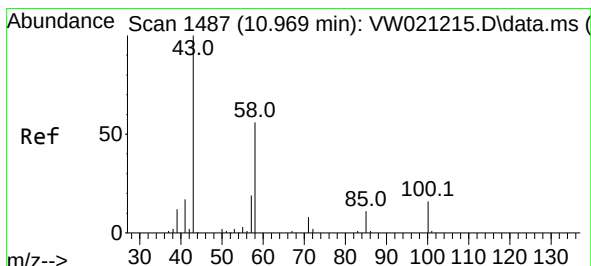
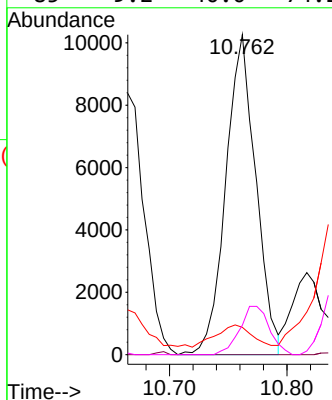
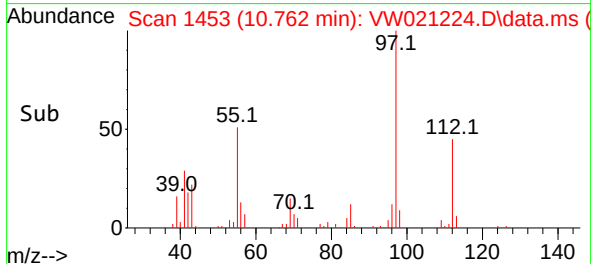


#45
1,1,2-Trichloroethane
Concen: 12.936 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

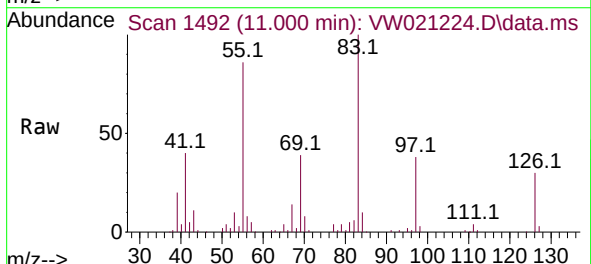
Instrument :
MSVOA_W
ClientSampleId :



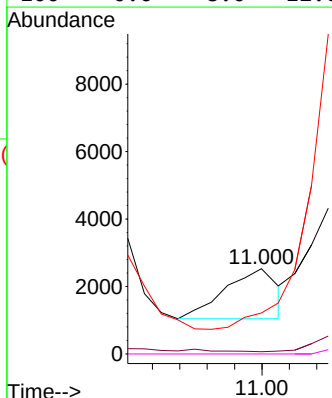
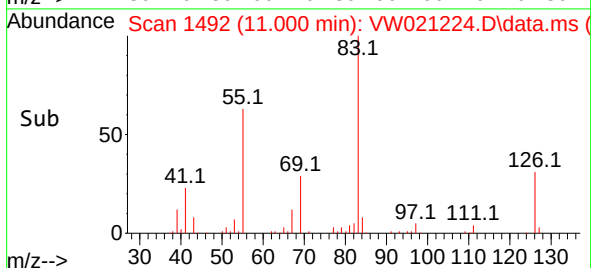
Tgt Ion: 97	Resp: 18206
Ion Ratio	Lower Upper
97 100	
99 0.0	43.0 79.8#
83 8.5	62.6 116.3#
85 9.2	40.0 74.2#

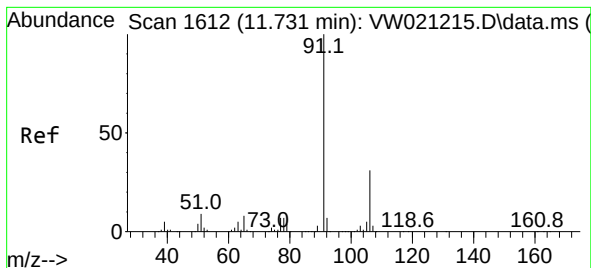


#48
2-Hexanone
Concen: 2.401 ug/L
RT: 11.000 min Scan# 1492
Delta R.T. 0.030 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54



Tgt Ion: 43	Resp: 1981
Ion Ratio	Lower Upper
43 100	
58 2.9	40.2 60.2#
57 0.0	14.3 21.5#
100 0.0	8.0 12.0#

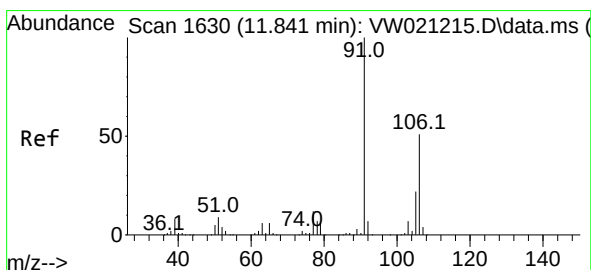
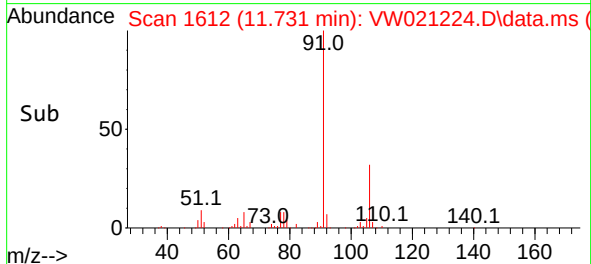
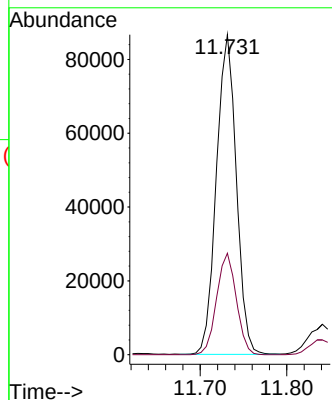
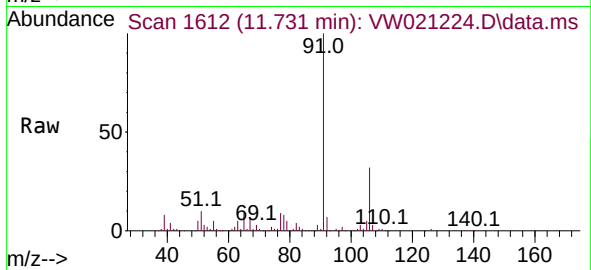




#52
Ethylbenzene
Concen: 14.501 ug/L
RT: 11.731 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

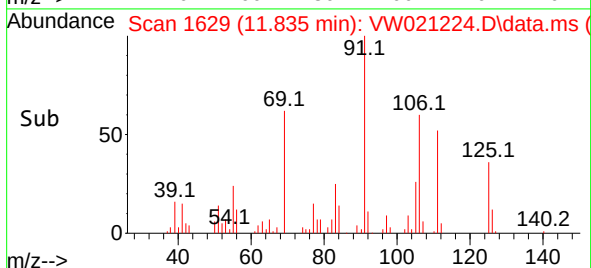
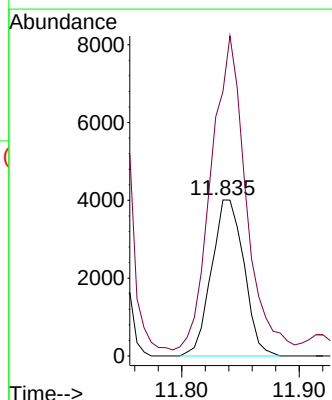
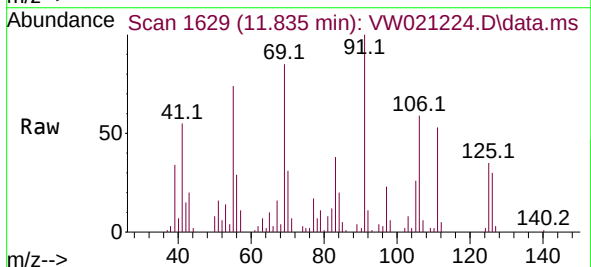
Instrument :
MSVOA_W
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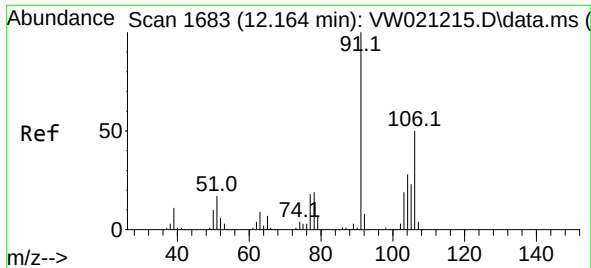
Tgt Ion: 91 Resp: 138497
Ion Ratio Lower Upper
91 100
106 31.7 21.5 39.9



#53
m,p-Xylene
Concen: 1.947 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

Tgt Ion: 106 Resp: 7691
Ion Ratio Lower Upper
106 100
91 169.5 149.9 278.3

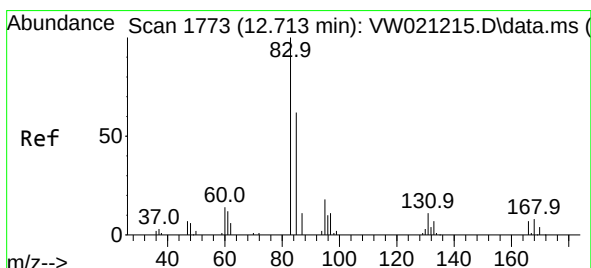
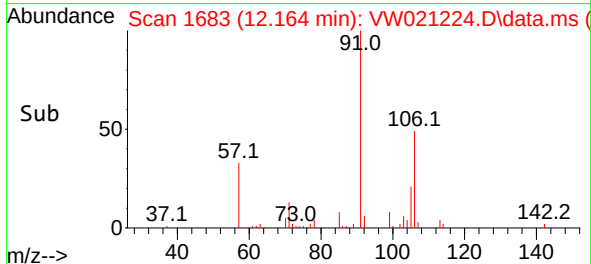
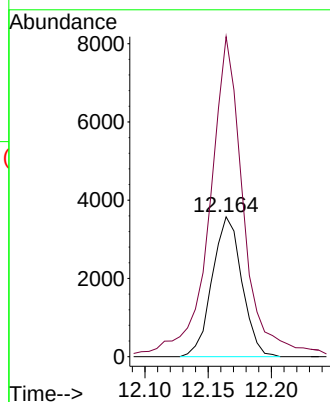
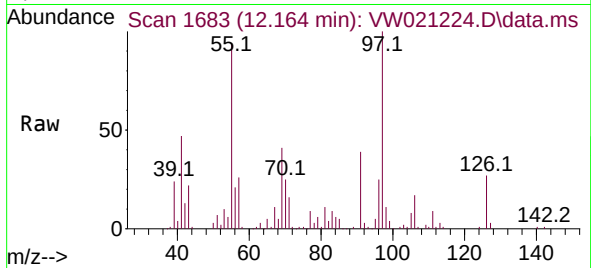




#54
o-Xylene
Concen: 1.566 ug/L
RT: 12.164 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

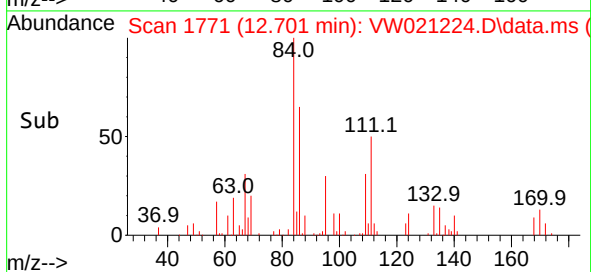
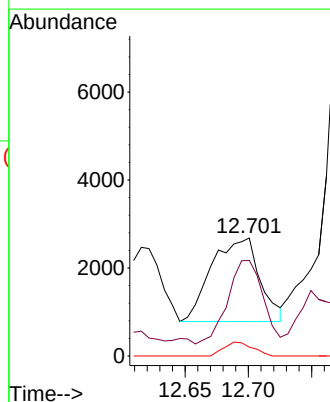
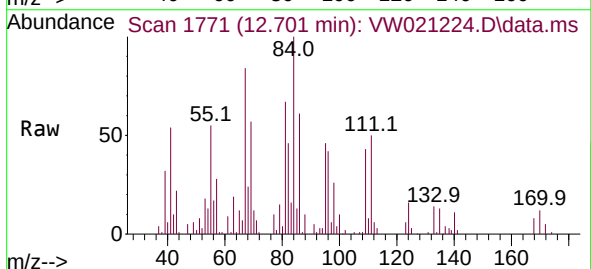
Instrument :
MSVOA_W
ClientSampleId :

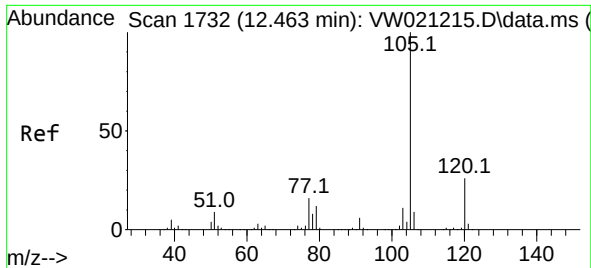
Tgt Ion:106 Resp: 5834
Ion Ratio Lower Upper
106 100
91 228.8 153.6 285.3



#57
1,1,2,2-Tetrachloroethane
Concen: 2.973 ug/L
RT: 12.701 min Scan# 1771
Delta R.T. -0.012 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

Tgt Ion: 83 Resp: 5033
Ion Ratio Lower Upper
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85 81.0 44.0 81.6
131 7.5 6.9 10.3

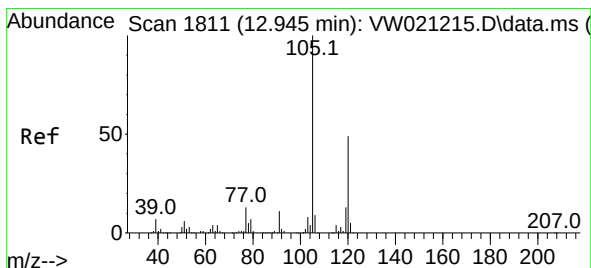
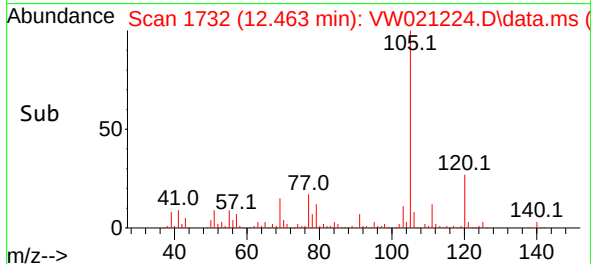
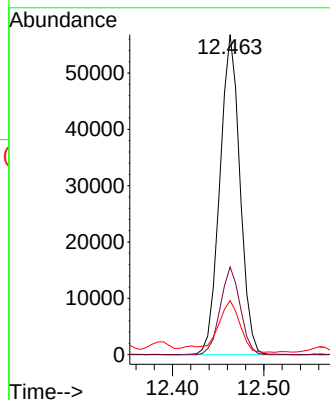
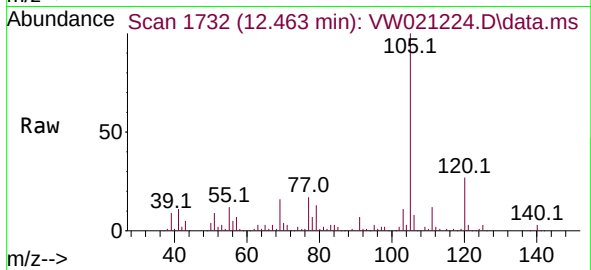




#60
Isopropylbenzene
Concen: 8.395 ug/L
RT: 12.463 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

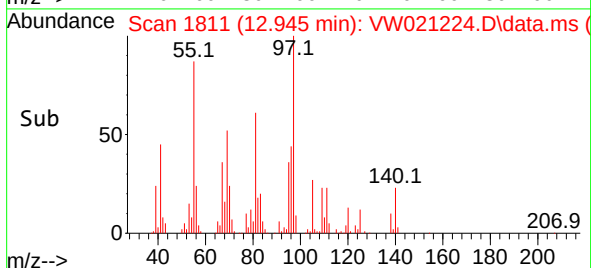
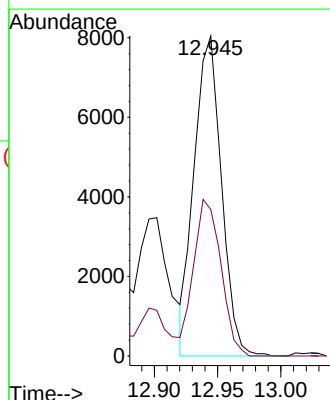
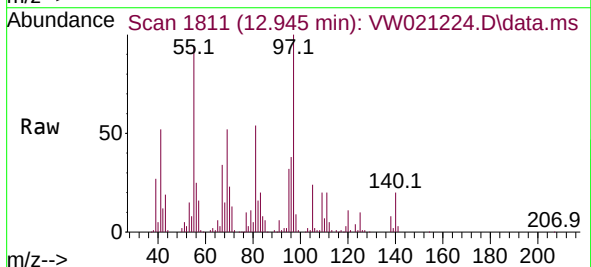
Instrument :
MSVOA_W
ClientSampleId :

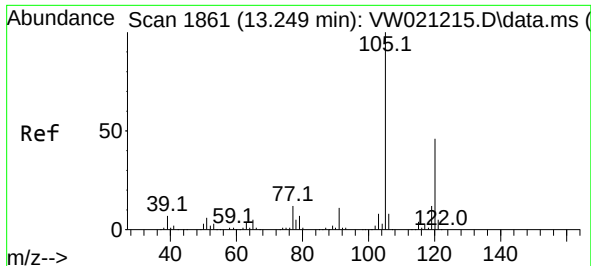
Tgt Ion:105 Resp: 86969
Ion Ratio Lower Upper
105 100
120 27.1 20.1 30.1
77 16.7 13.8 20.8



#62
1,3,5-Trimethylbenzene
Concen: 1.392 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

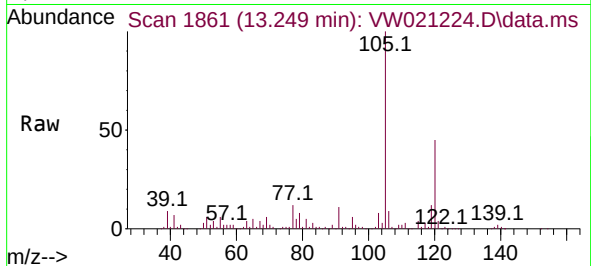
Tgt Ion:105 Resp: 12080
Ion Ratio Lower Upper
105 100
120 49.0 37.4 56.2



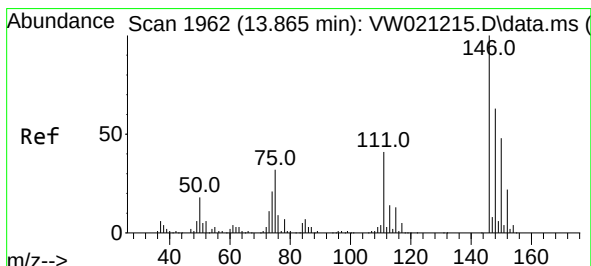
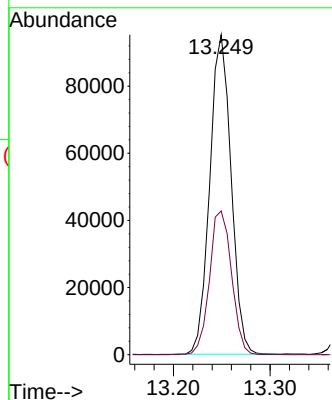
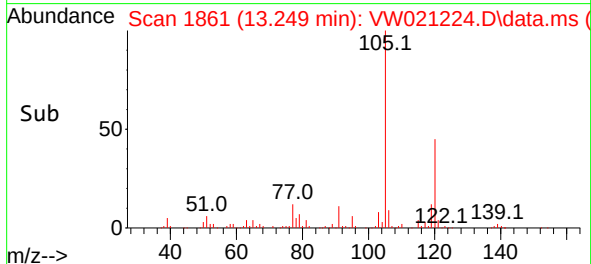


#63
1,2,4-Trimethylbenzene
Concen: 16.723 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

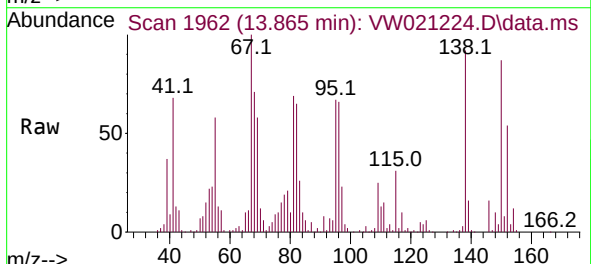
Instrument :
MSVOA_W
ClientSampleId :



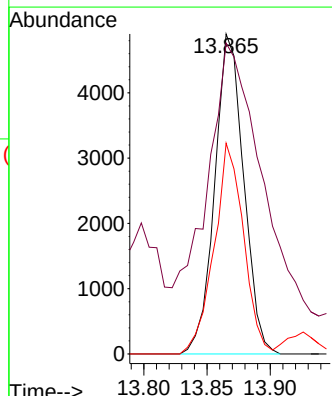
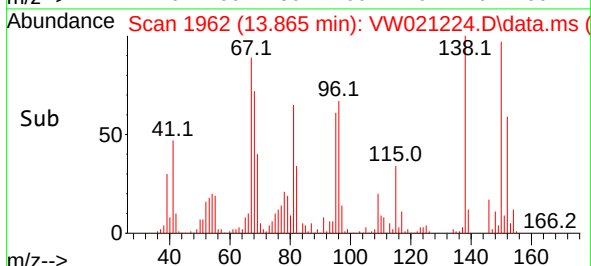
Tgt Ion:105 Resp: 145911
Ion Ratio Lower Upper
105 100
120 46.3 35.0 52.6

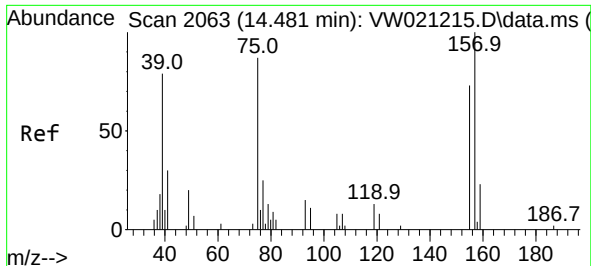


#67
1,2-Dichlorobenzene
Concen: 1.798 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54



Tgt Ion:146 Resp: 7807
Ion Ratio Lower Upper
146 100
111 97.2 33.1 49.7#
148 65.9 47.4 71.2





#68

1,2-Dibromo-3-chloropropane

Concen: 6.175 ug/L

RT: 14.420 min Scan# 2063

Delta R.T. -0.061 min

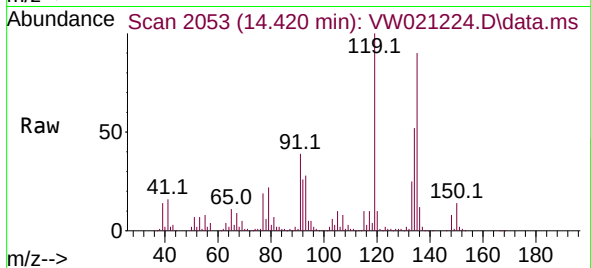
Lab File: VW021224.D

Acq: 08 Dec 2021 12:54

Instrument :

MSVOA_W

ClientSampleId :



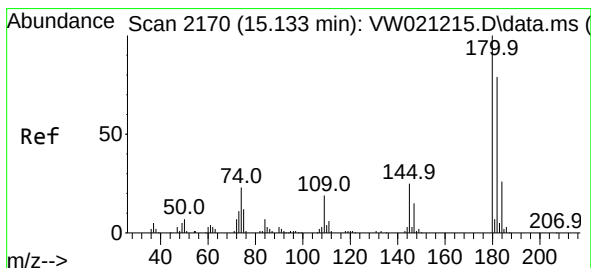
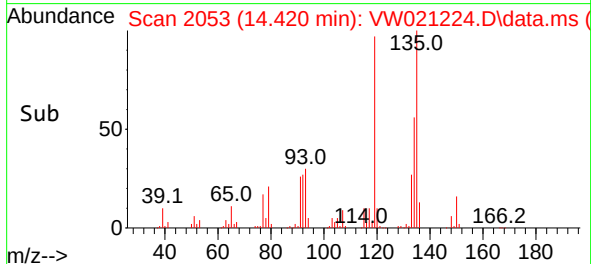
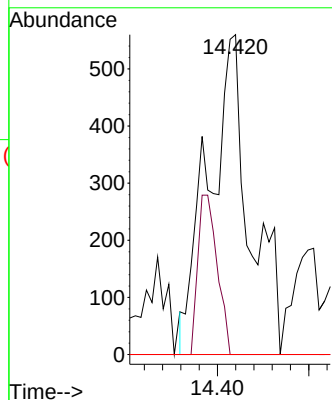
Tgt Ion: 75 Resp: 1741

Ion Ratio Lower Upper

75 100

155 0.0 54.2 81.2#

157 0.0 69.4 104.2#



#70

1,2,4-trichlorobenzene

Concen: 2.581 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW021224.D

Acq: 08 Dec 2021 12:54

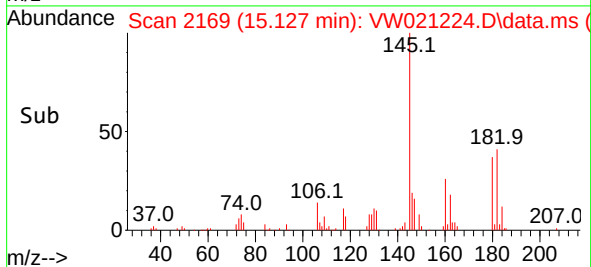
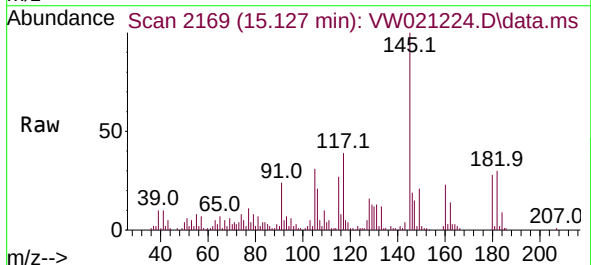
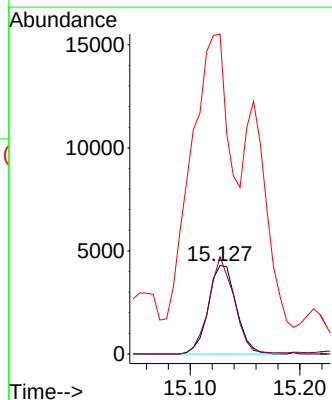
Tgt Ion: 180 Resp: 7602

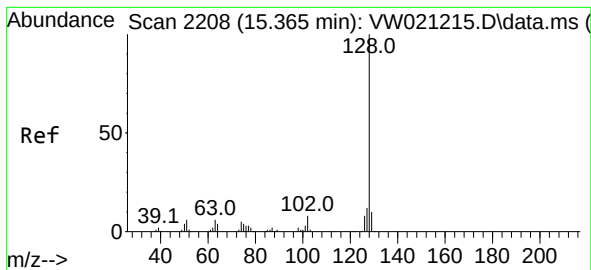
Ion Ratio Lower Upper

180 100

182 100.1 79.0 118.6

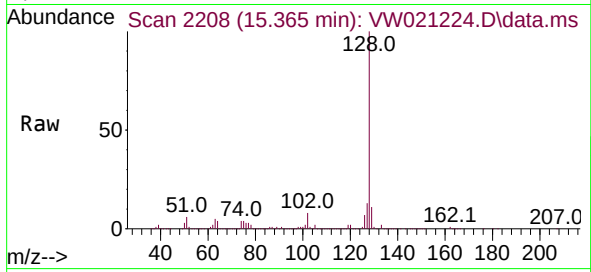
145 476.3 26.0 39.0#





#71
Naphthalene
Concen: 115.695 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW021224.D
Acq: 08 Dec 2021 12:54

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 633563
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.0 8.6 12.8

