

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121821\
 Data File : VW021454.D
 Acq On : 18 Dec 2021 04:52
 Operator : SY/VA
 Sample : M5153-03
 Misc : 6.96g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 05:19:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 18 00:55:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	158747	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	160249	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	88188	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	39816	13.771	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.080%
7) Chloroethane-d5	2.879	69	25936	13.570	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.280%
11) 1,1-Dichloroethene-d2	4.013	63	52197	13.542	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.160%
21) 2-Butanone-d5	7.074	46	20497	50.294	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.580%
24) Chloroform-d	7.653	84	89576	20.248	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.000%
26) 1,2-Dichloroethane-d4	8.305	65	50918	21.638	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.560%
32) Benzene-d6	8.275	84	172614	19.651	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	9.274	67	49682	21.090	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.360%
41) Toluene-d8	10.323	98	173536	19.336	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.360%
43) trans-1,3-Dichloroprop...	10.579	79	19434	17.917	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.680%
47) 2-Hexanone-d5	10.920	63	17431	50.039	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.080%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	41585	20.535	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.160%
66) 1,2-Dichlorobenzene-d4	13.853	152	62926	18.411	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	73.640%#
Target Compounds						
					Qvalue	
13) Acetone	4.123	43	10227	27.992	ug/L	96
14) Carbon disulfide	4.379	76	7886	1.552	ug/L	98
22) 2-Butanone	7.177	43	3494	7.323	ug/L	97
29) Cyclohexane	7.921	56	2497	0.783	ug/L #	51
33) Benzene	8.323	78	16034	1.837	ug/L	100
34) Trichloroethene	8.842	95	4888	1.995	ug/L #	5
35) Methylcyclohexane	9.335	83	3011	0.745	ug/L #	44
37) 1,2-Dichloropropane	9.274	63	6406	3.290	ug/L #	84
39) cis-1,3-Dichloropropene	10.036	75	1518	0.495	ug/L #	74
45) 1,1,2-Trichloroethane	10.762	97	6441	4.041	ug/L #	27
52) Ethylbenzene	11.731	91	13491	1.156	ug/L	99
53) m,p-Xylene	11.835	106	151221	32.129	ug/L	86
54) o-Xylene	12.164	106	71791	16.072	ug/L	92
60) Isopropylbenzene	12.463	105	37783	3.153	ug/L	97
61) 1,2,3-Trichloropropane	12.804	75	1123	0.875	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.944	105	20783	2.038	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	207661	20.644	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.487	75	1540	5.817	ug/L #	17
71) Naphthalene	15.359	128	345354	62.560	ug/L	99

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Instrument :
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Quant Time: Dec 18 05:19:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration

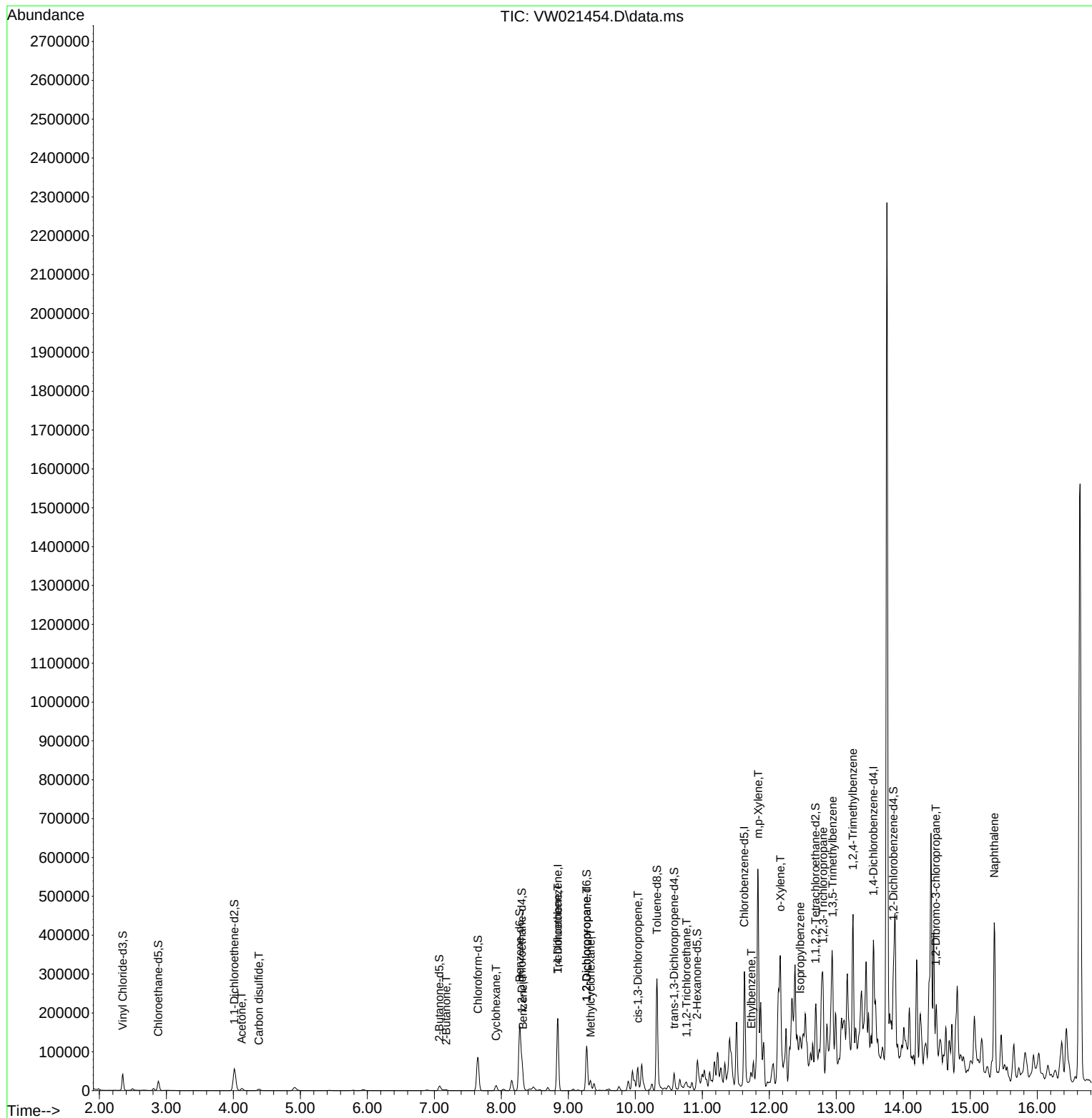
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

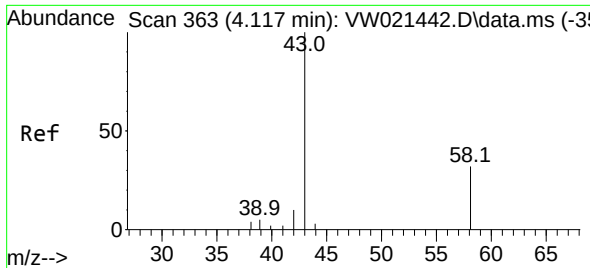
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Sat Dec 18 00:55:20 2021
Response via : Initial Calibration





#13

Acetone

Concen: 27.992 ug/L

RT: 4.123 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021454.D

Acq: 18 Dec 2021 04:52

Instrument :

MSVOA_W

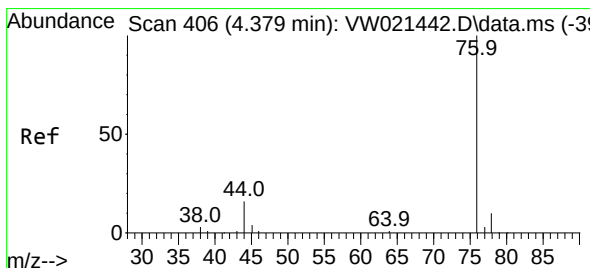
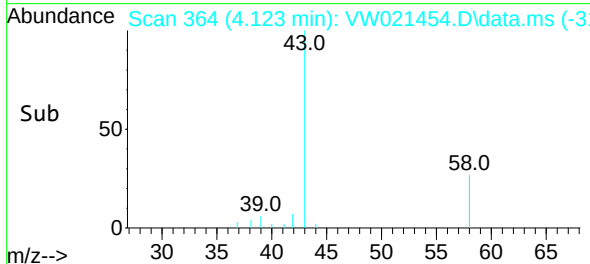
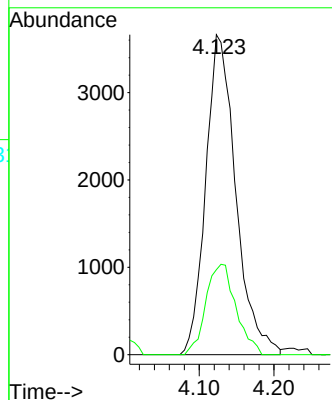
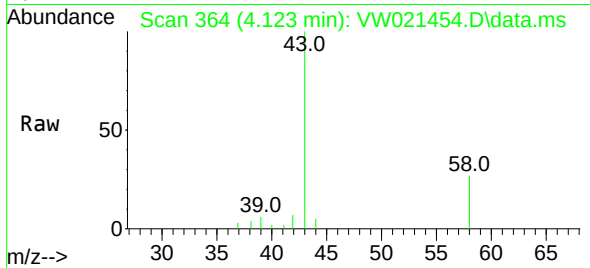
ClientSampleId :

Tgt Ion: 43 Resp: 10227

Ion Ratio Lower Upper

43 100

58 28.3 0.0 52.8



#14

Carbon disulfide

Concen: 1.552 ug/L

RT: 4.379 min Scan# 406

Delta R.T. -0.000 min

Lab File: VW021454.D

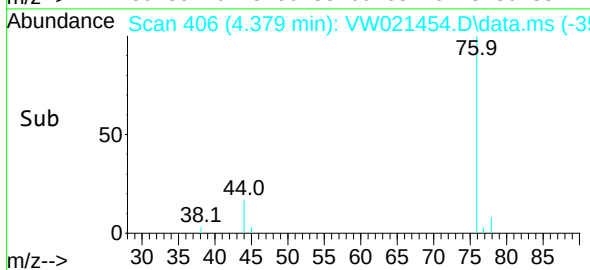
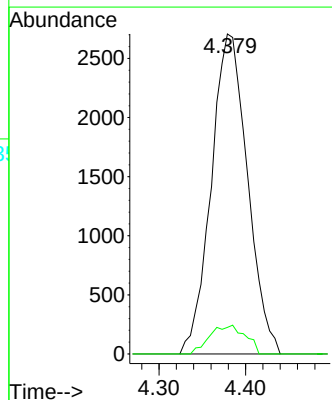
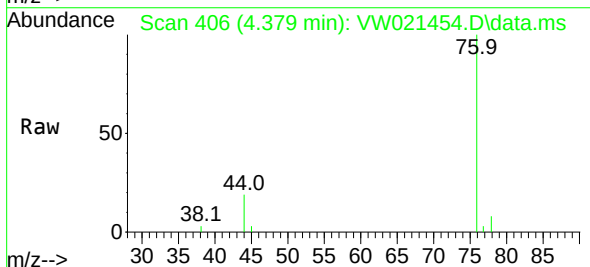
Acq: 18 Dec 2021 04:52

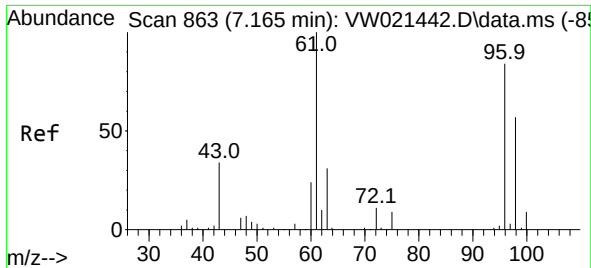
Tgt Ion: 76 Resp: 7886

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7

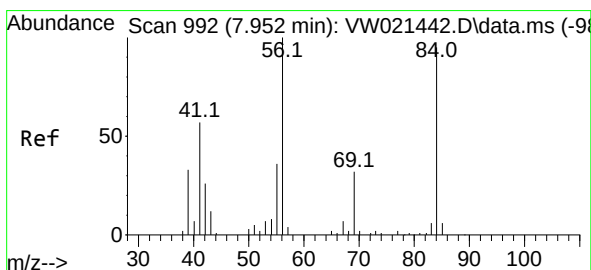
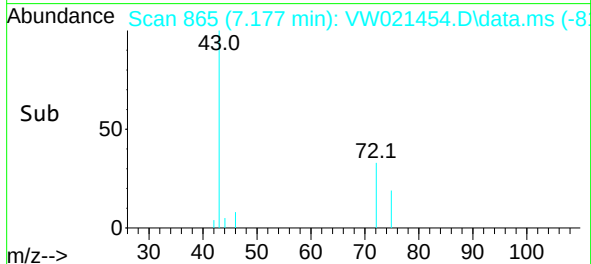
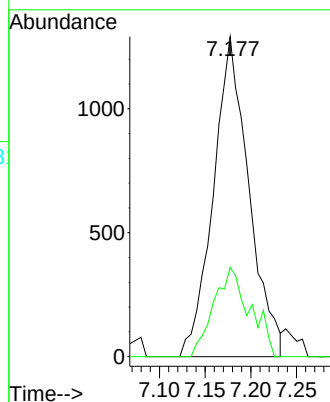
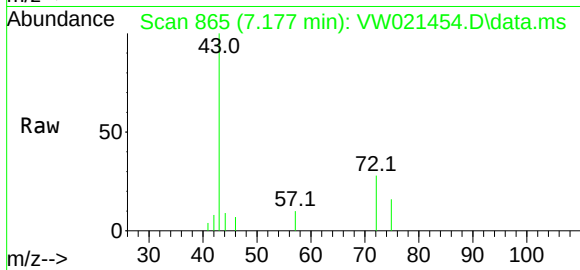




#22
2-Butanone
Concen: 7.323 ug/L
RT: 7.177 min Scan# 80
Delta R.T. 0.012 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

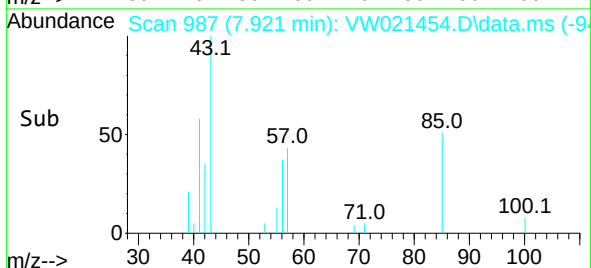
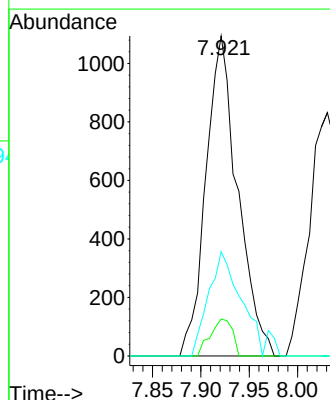
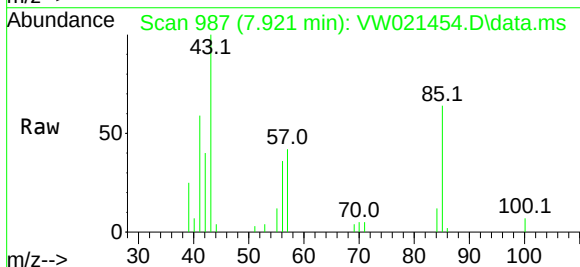
Instrument :
MSVOA_W
ClientSampleId :

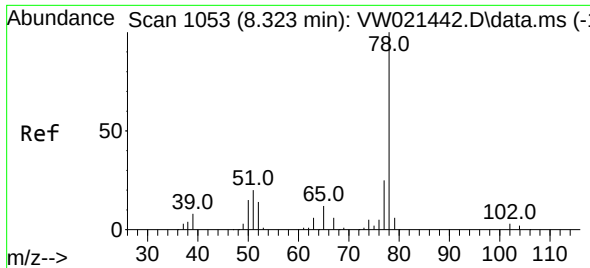
Tgt Ion: 43 Resp: 3494
Ion Ratio Lower Upper
43 100
72 22.3 11.8 35.4



#29
Cyclohexane
Concen: 0.783 ug/L
RT: 7.921 min Scan# 987
Delta R.T. -0.031 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

Tgt Ion: 56 Resp: 2497
Ion Ratio Lower Upper
56 100
69 8.0 23.5 35.3#
84 33.0 63.4 95.2#

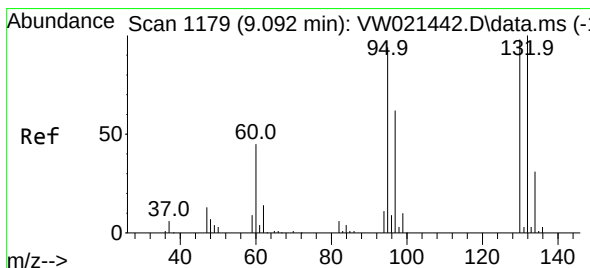
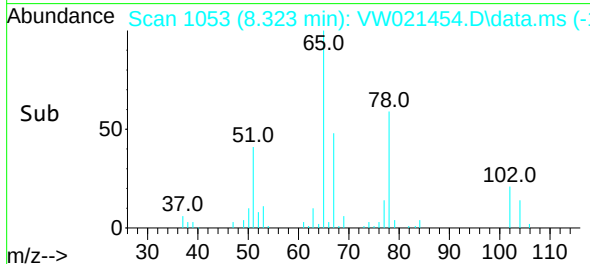
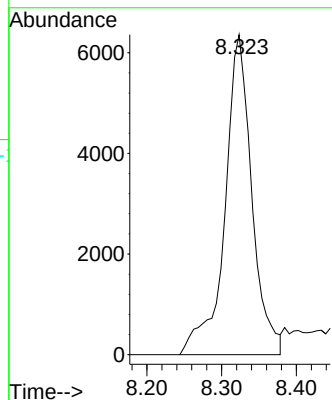
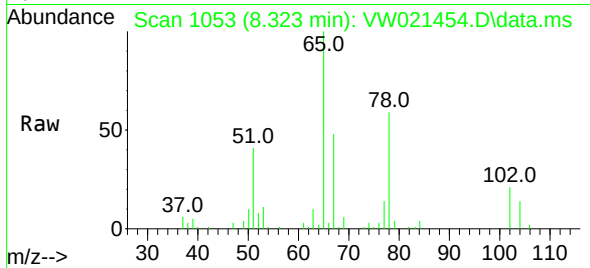




#33
Benzene
Concen: 1.837 ug/L
RT: 8.323 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

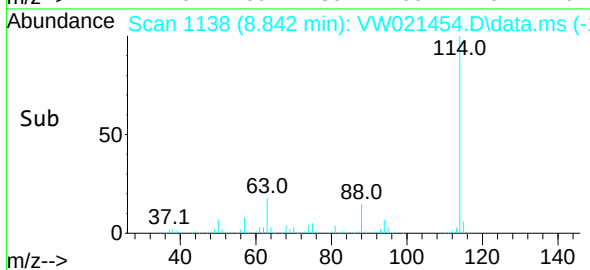
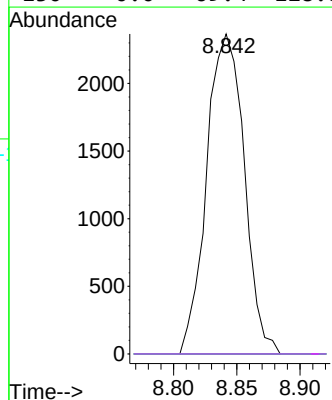
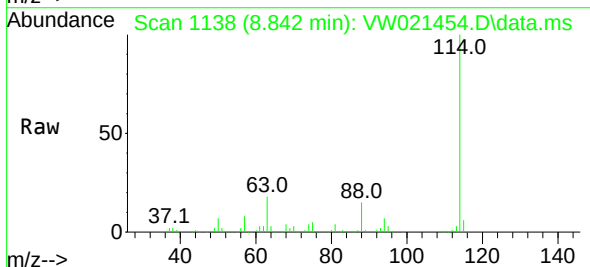
Instrument :
MSVOA_W
ClientSampleId :

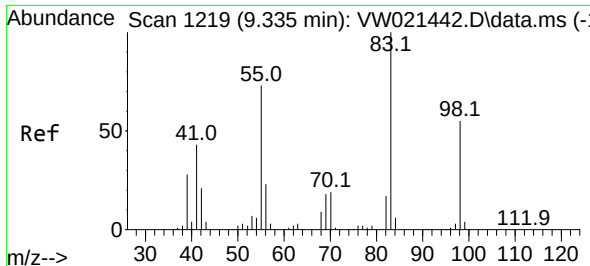
Tgt Ion: 78 Resp: 16034



#34
Trichloroethene
Concen: 1.995 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

Tgt Ion: 95 Resp: 4888
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: 0.745 ug/L

RT: 9.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW021454.D

Acq: 18 Dec 2021 04:52

Instrument :

MSVOA_W

ClientSampleId :

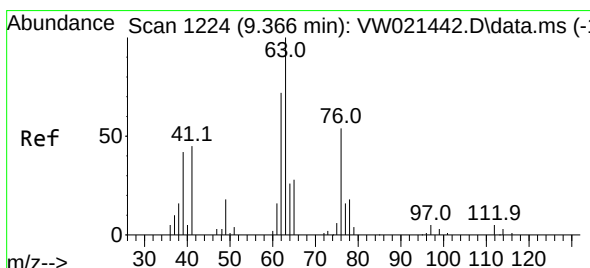
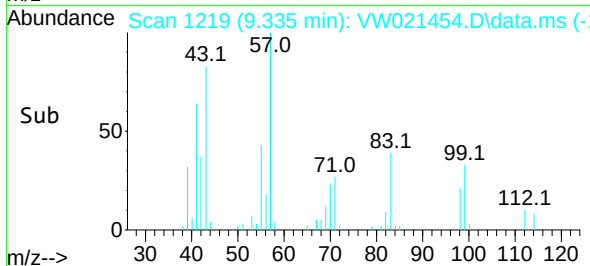
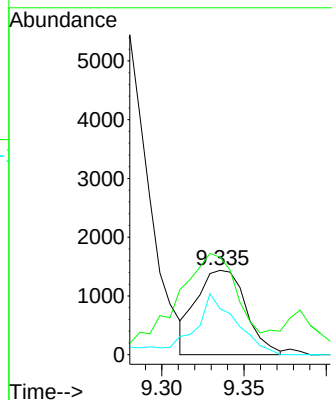
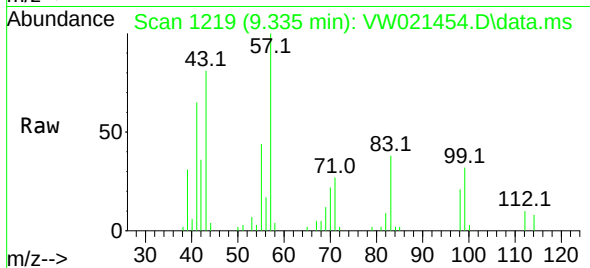
Tgt Ion: 83 Resp: 3011

Ion Ratio Lower Upper

83 100

55 159.2 70.8 106.2#

98 58.8 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 3.290 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.091 min

Lab File: VW021454.D

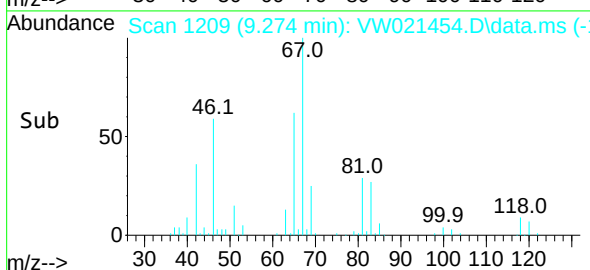
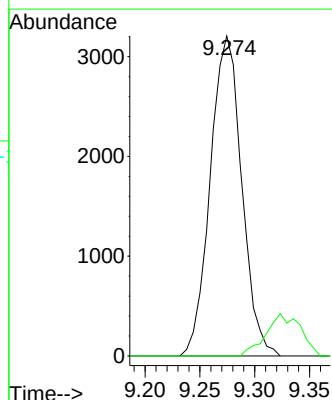
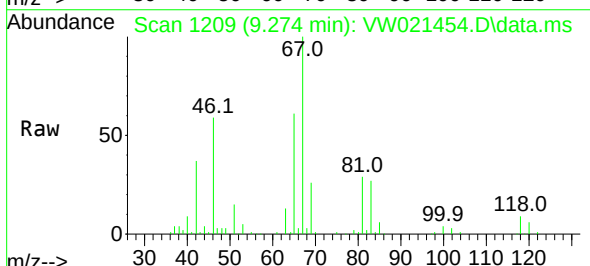
Acq: 18 Dec 2021 04:52

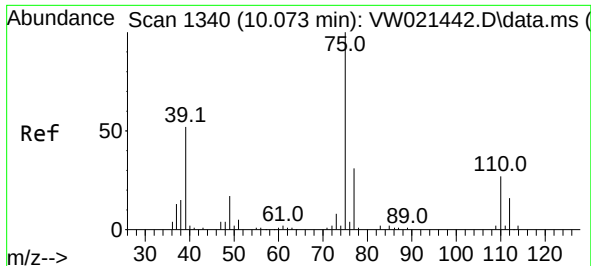
Tgt Ion: 63 Resp: 6406

Ion Ratio Lower Upper

63 100

112 9.2 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.495 ug/L

RT: 10.036 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021454.D

Acq: 18 Dec 2021 04:52

Instrument :

MSVOA_W

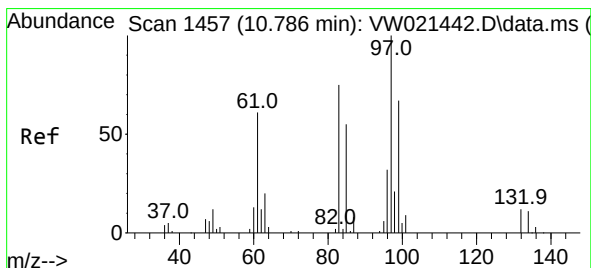
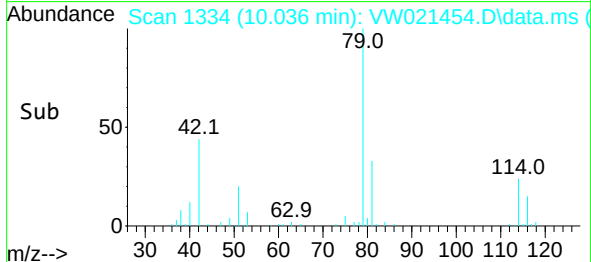
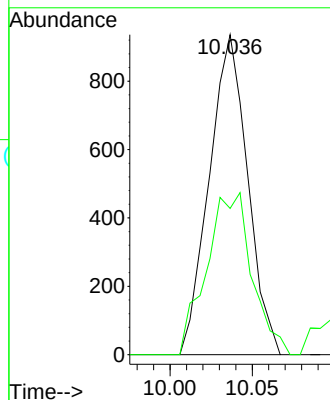
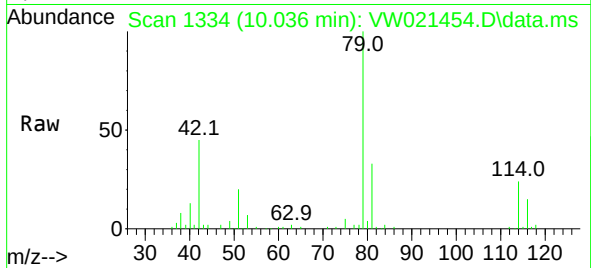
ClientSampleId :

Tgt Ion: 75 Resp: 1518

Ion Ratio Lower Upper

75 100

77 45.7 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 4.041 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.024 min

Lab File: VW021454.D

Acq: 18 Dec 2021 04:52

Tgt Ion: 97 Resp: 6441

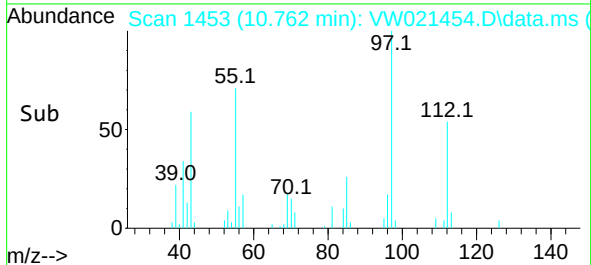
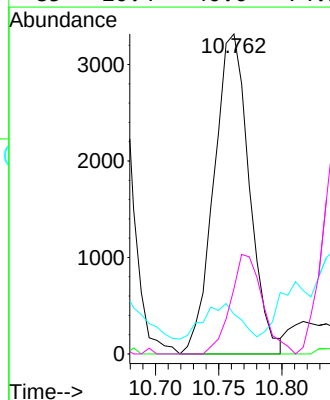
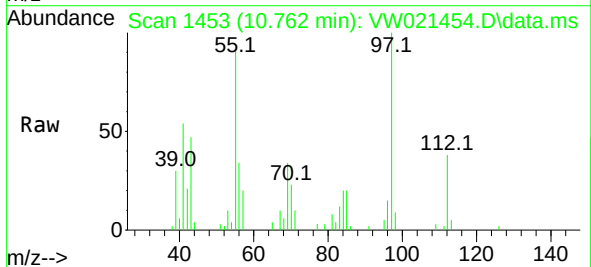
Ion Ratio Lower Upper

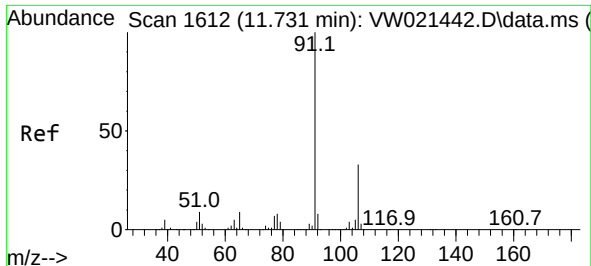
97 100

99 0.0 43.0 79.8#

83 12.5 62.6 116.3#

85 20.4 40.0 74.2#

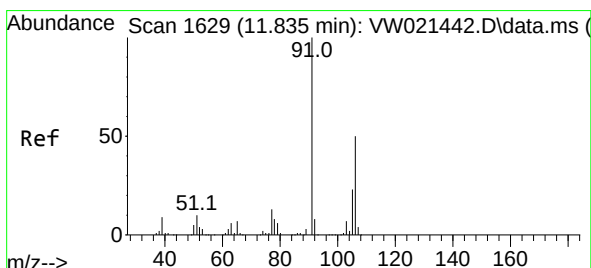
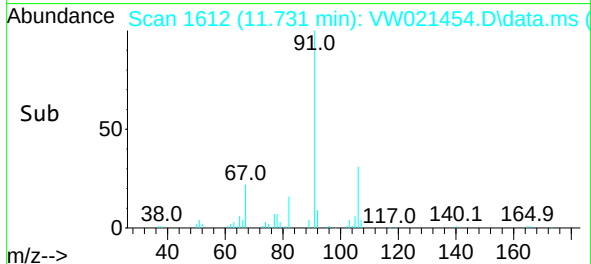
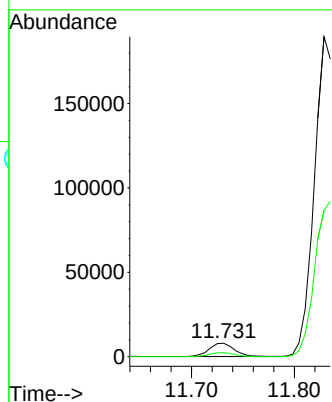
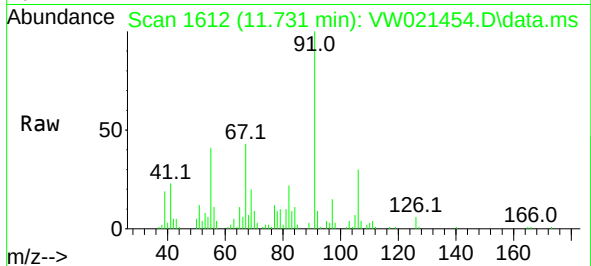




#52
Ethylbenzene
Concen: 1.156 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

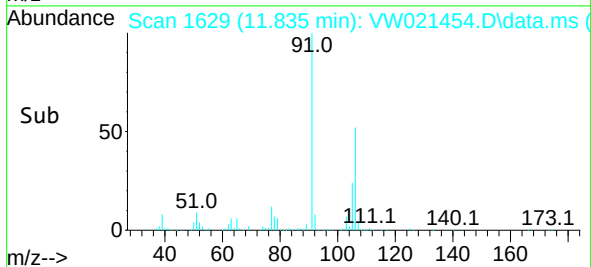
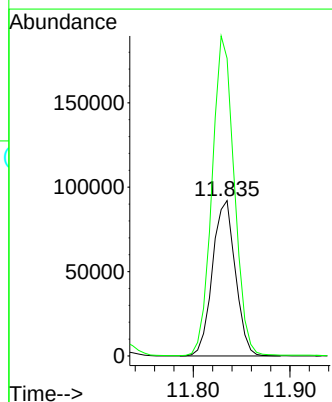
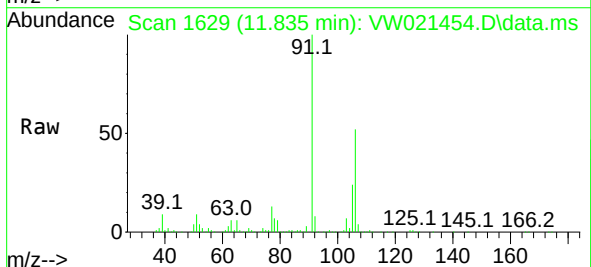
Instrument :
MSVOA_W
ClientSampleId :

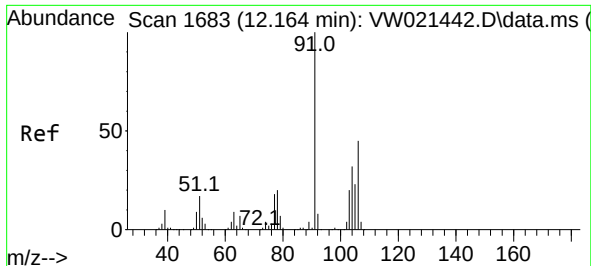
Tgt Ion: 91 Resp: 13491
Ion Ratio Lower Upper
91 100
106 30.2 21.5 39.9



#53
m,p-Xylene
Concen: 32.129 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

Tgt Ion:106 Resp: 151221
Ion Ratio Lower Upper
106 100
91 191.6 149.9 278.3

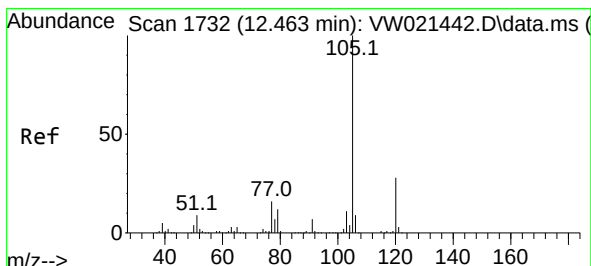
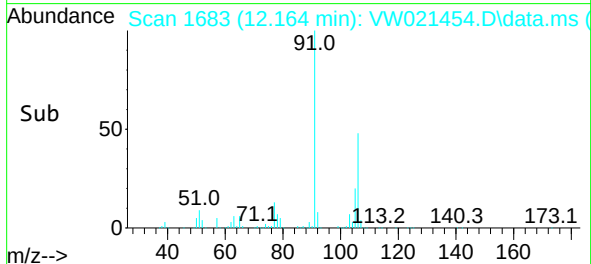
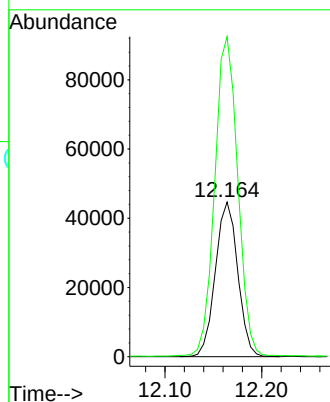
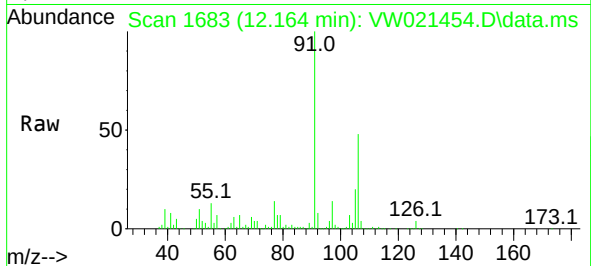




#54
o-Xylene
Concen: 16.072 ug/L
RT: 12.164 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

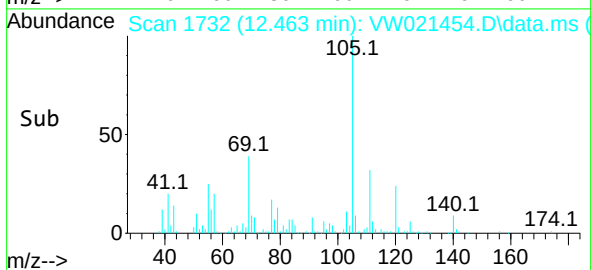
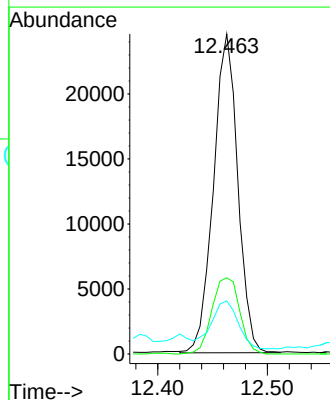
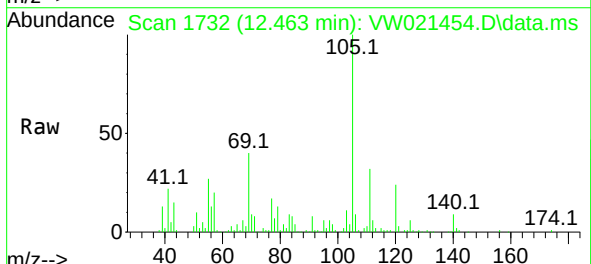
Instrument :
MSVOA_W
ClientSampleId :

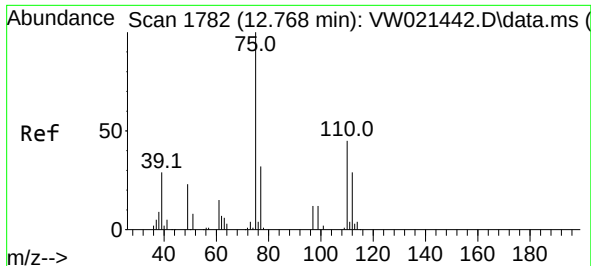
Tgt Ion:106 Resp: 71791
Ion Ratio Lower Upper
106 100
91 206.9 153.6 285.3



#60
Isopropylbenzene
Concen: 3.153 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

Tgt Ion:105 Resp: 37783
Ion Ratio Lower Upper
105 100
120 27.3 20.1 30.1
77 16.5 13.8 20.8





#61

1,2,3-Trichloropropane

Concen: 0.875 ug/L

RT: 12.804 min Scan# 11

Delta R.T. 0.037 min

Lab File: VW021454.D

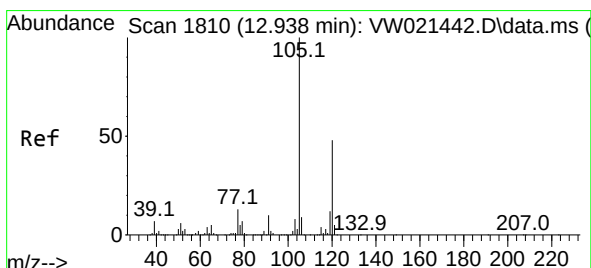
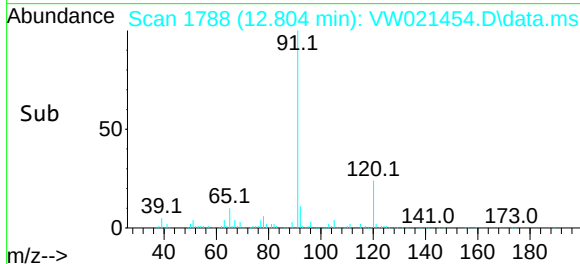
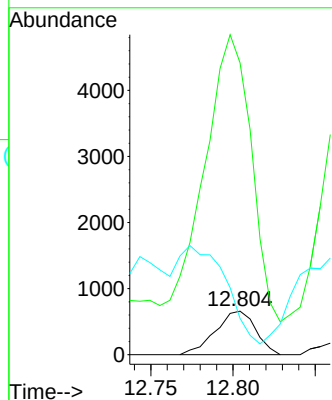
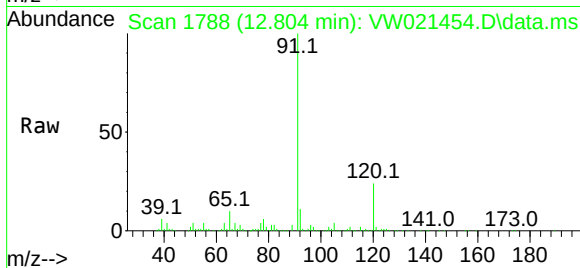
Acq: 18 Dec 2021 04:52

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	1123
Ion	Ratio	Lower	Upper
75	100		
77	766.0	25.8	38.8#
110	262.7	29.0	43.4#



#62

1,3,5-Trimethylbenzene

Concen: 2.038 ug/L

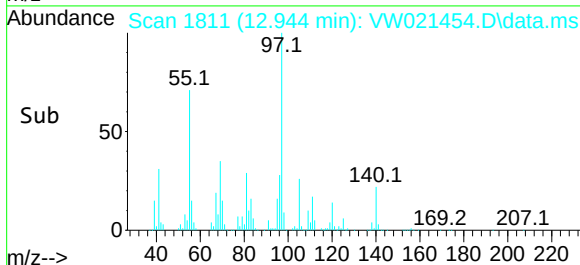
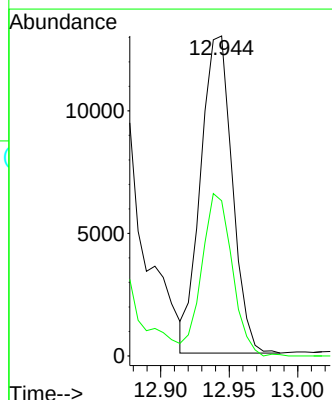
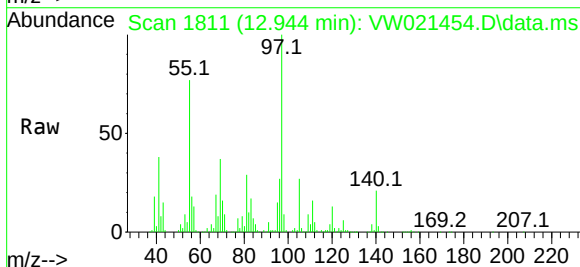
RT: 12.944 min Scan# 1811

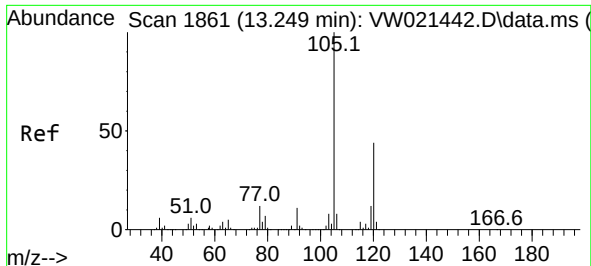
Delta R.T. 0.006 min

Lab File: VW021454.D

Acq: 18 Dec 2021 04:52

Tgt Ion:	105	Resp:	20783
Ion	Ratio	Lower	Upper
105	100		
120	49.0	37.4	56.2

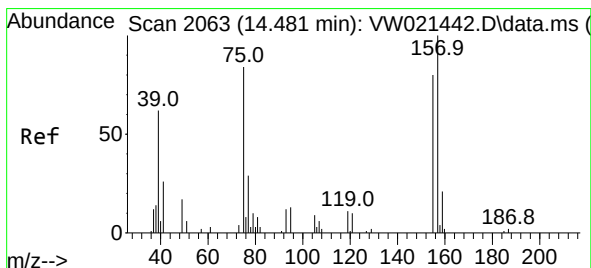
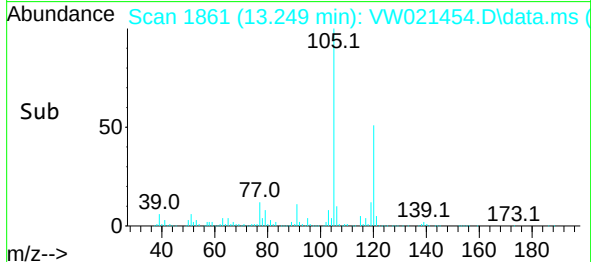
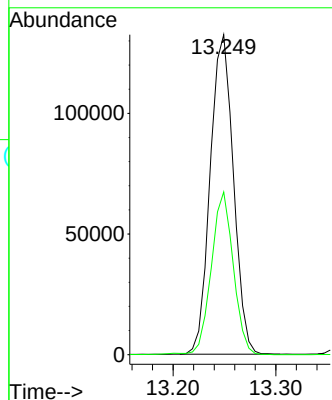
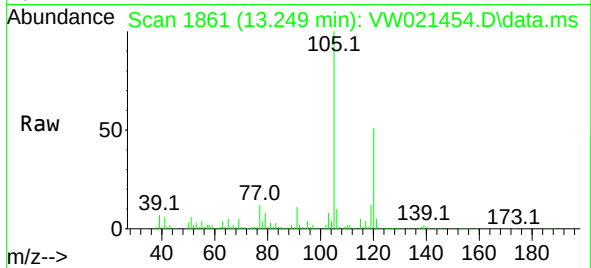




#63
1,2,4-Trimethylbenzene
Concen: 20.644 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

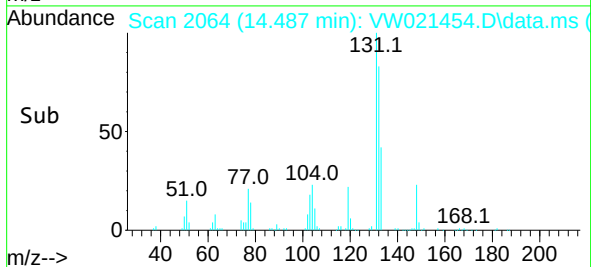
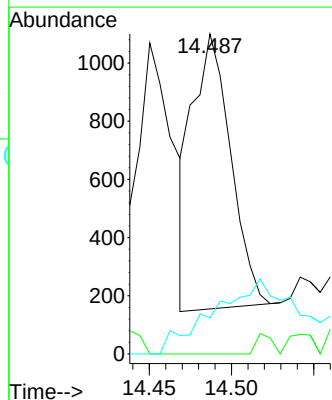
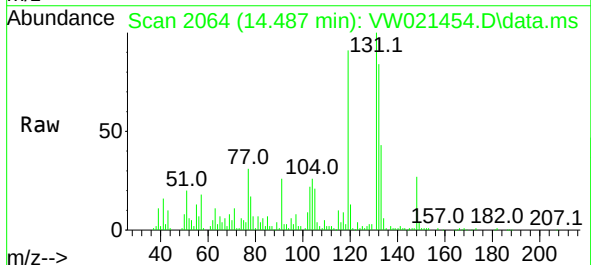
Instrument :
MSVOA_W
ClientSampleId :

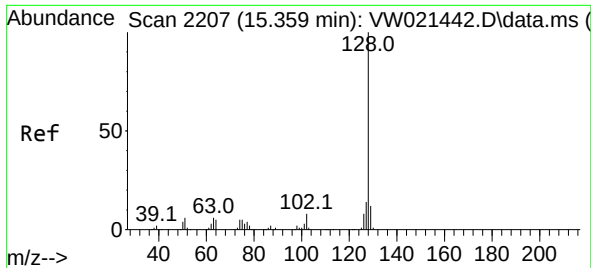
Tgt Ion:105 Resp: 207661
Ion Ratio Lower Upper
105 100
120 48.0 35.0 52.6



#68
1,2-Dibromo-3-chloropropane
Concen: 5.817 ug/L
RT: 14.487 min Scan# 2064
Delta R.T. 0.006 min
Lab File: VW021454.D
Acq: 18 Dec 2021 04:52

Tgt Ion: 75 Resp: 1540
Ion Ratio Lower Upper
75 100
155 0.0 54.2 81.2#
157 11.3 69.4 104.2#





#71

Naphthalene

Concen: 62.560 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.000 min

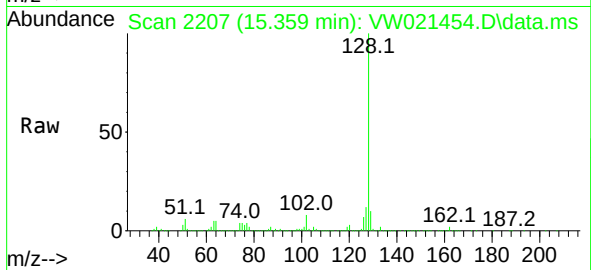
Lab File: VW021454.D

Acq: 18 Dec 2021 04:52

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:128 Resp: 345354

Ion Ratio Lower Upper

128 100

127 12.7 10.7 16.1

129 10.5 8.6 12.8

