

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
 Data File : VW020809.D
 Acq On : 08 Nov 2021 14:31
 Operator : SY/VA
 Sample : M4464-05
 Misc : 3.69g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K3

Quant Time: Nov 15 01:26:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Nov 15 00:29:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	180301	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	158909	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	67168	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	46952	27.697	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 110.800%	
7) Chloroethane-d5	2.879	69	25123	26.027	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.120%	
11) 1,1-Dichloroethene-d2	4.025	63	110470	31.046	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 124.200%#	
21) 2-Butanone-d5	7.080	46	30533	54.234	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 108.460%	
24) Chloroform-d	7.647	84	92856	23.178	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 92.720%	
26) 1,2-Dichloroethane-d4	8.305	65	54262	25.443	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 101.760%	
32) Benzene-d6	8.275	84	186345	25.955	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 103.800%	
36) 1,2-Dichloropropane-d6	9.274	67	56691	25.504	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 102.000%	
41) Toluene-d8	10.329	98	175999	25.197	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 100.800%	
43) trans-1,3-Dichloroprop...	10.579	79	29814	27.042	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 108.160%	
47) 2-Hexanone-d5	10.921	63	27003	60.038	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 120.080%	
56) 1,1,2,2-Tetrachloroeth...	12.689	84	49579	26.913	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 107.640%	
66) 1,2-Dichlorobenzene-d4	13.853	152	54097	25.628	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 102.520%	
Target Compounds						
						Qvalue
5) Vinyl chloride	2.355	62	143909	51.864	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	124933	51.617	ug/L	90
12) 1,1-Dichloroethene	4.038	96	108564	47.064	ug/L #	73
13) Acetone	4.117	43	43434	82.898	ug/L	92
17) trans-1,2-Dichloroethene	5.422	96	2494	1.017	ug/L	85
19) 1,1-Dichloroethane	6.214	63	579093	136.362	ug/L	99
20) cis-1,2-Dichloroethene	7.165	96	4293115	1660.915	ug/L	76
25) Chloroform	7.671	83	2708	0.613	ug/L	86
27) 1,2-Dichloroethane	8.397	62	10590	3.700	ug/L #	94
29) Cyclohexane	7.952	56	32386	7.811	ug/L	95
30) 1,1,1-Trichloroethane	7.872	97	1035182	274.123	ug/L	95
33) Benzene	8.323	78	23821	2.503	ug/L	100
34) Trichloroethene	9.092	95	61336	24.212	ug/L	93
35) Methylcyclohexane	9.335	83	46729	10.570	ug/L	98
40) 4-Methyl-2-pentanone	10.213	43	15001	10.187	ug/L #	95
42) Toluene	10.390	91	16280819	1590.856	ug/L	89
45) 1,1,2-Trichloroethane	10.762	97	3888	2.325	ug/L #	27
46) Tetrachloroethene	10.860	164	38964	17.148	ug/L	94
52) Ethylbenzene	11.725	91	241388	21.052	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
 Data File : VW020809.D
 Acq On : 08 Nov 2021 14:31
 Operator : SY/VA
 Sample : M4464-05
 Misc : 3.69g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K3

Quant Time: Nov 15 01:26:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Nov 15 00:29:21 2021
 Response via : Initial Calibration

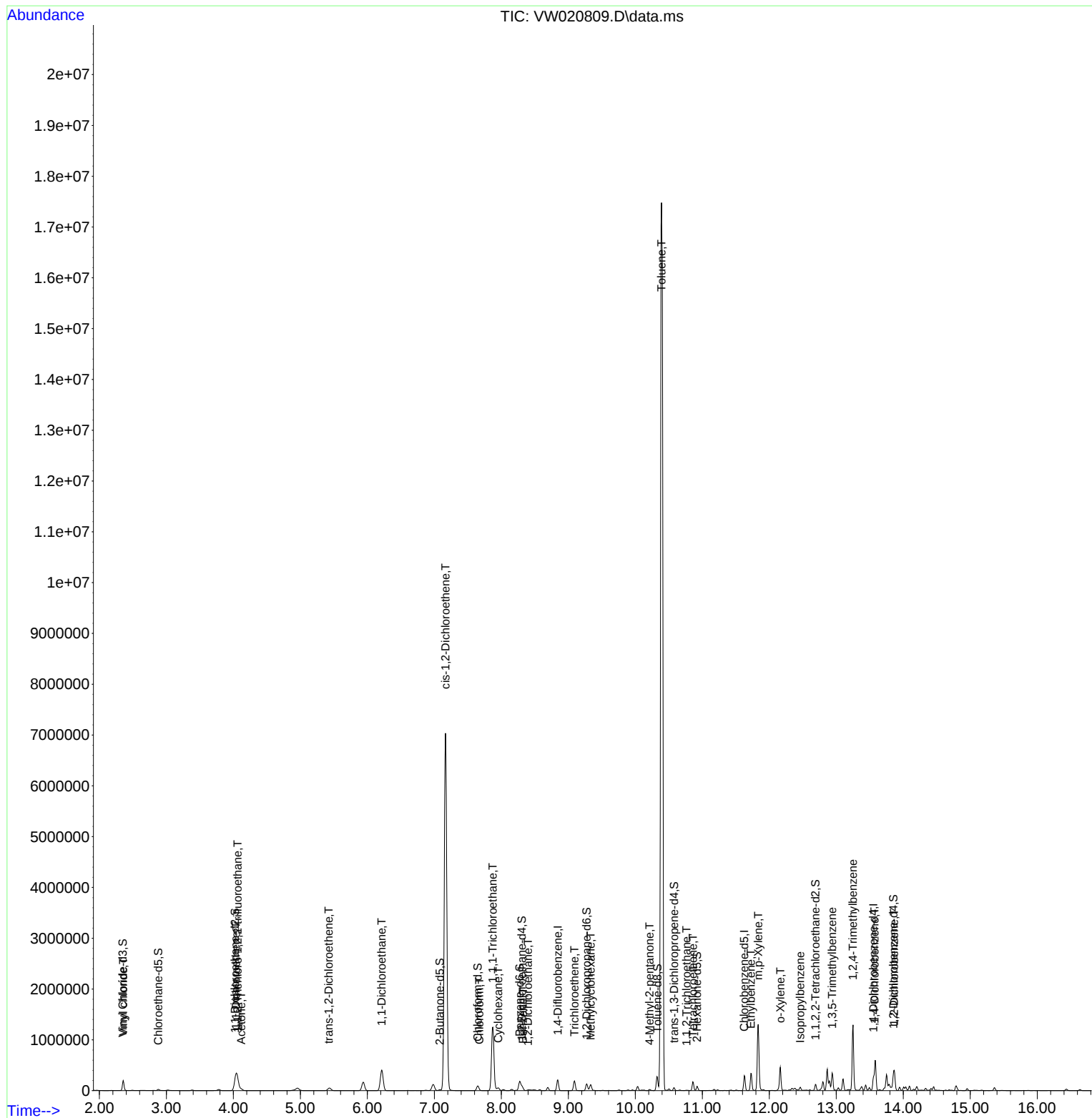
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	11.835	106	390324	84.962	ug/L	94
54) o-Xylene	12.164	106	116900	26.862	ug/L	99
60) Isopropylbenzene	12.463	105	39132	4.227	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	163474	20.549	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	688529	87.127	ug/L	97
65) 1,4-Dichlorobenzene	13.573	146	9530	2.229	ug/L	90
67) 1,2-Dichlorobenzene	13.865	146	117397	30.962	ug/L	98

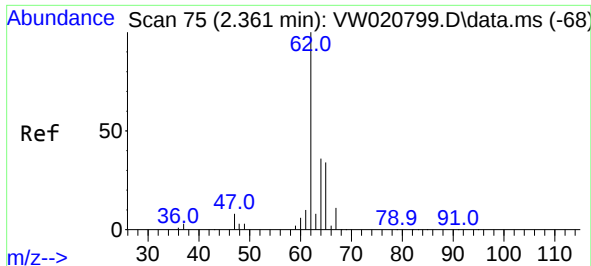
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
Data File : VW020809.D
Acq On : 08 Nov 2021 14:31
Operator : SY/VA
Sample : M4464-05
Misc : 3.69g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GB7K3

Quant Time: Nov 15 01:26:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Nov 15 00:29:21 2021
Response via : Initial Calibration

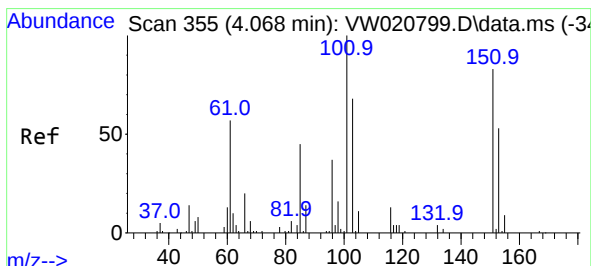
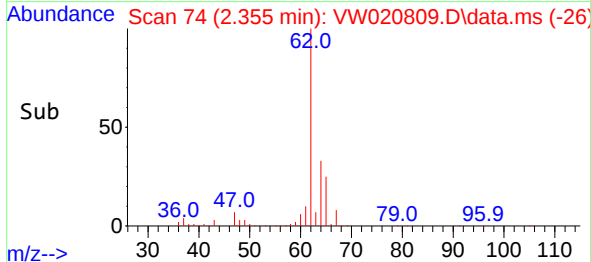
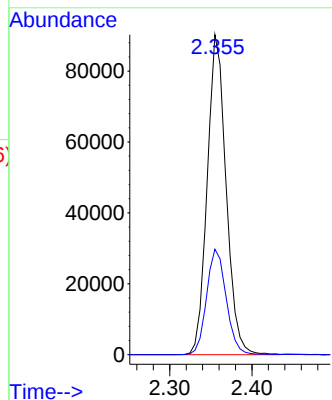
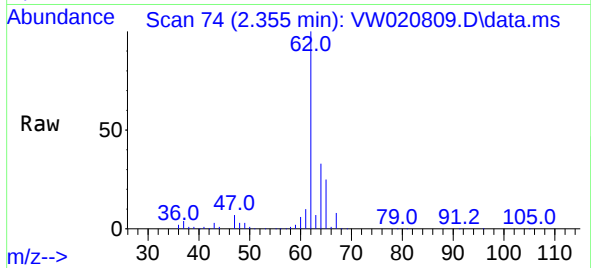




#5
 Vinyl chloride
 Concen: 51.864 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW020809.D
 Acq: 08 Nov 2021 14:31

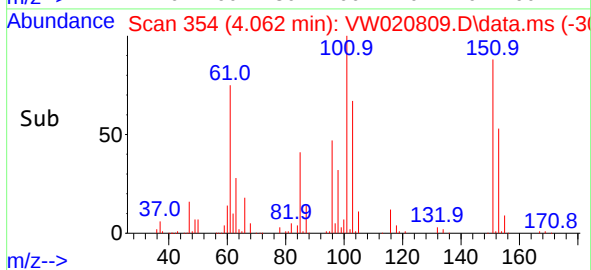
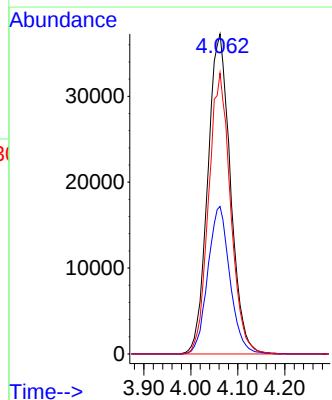
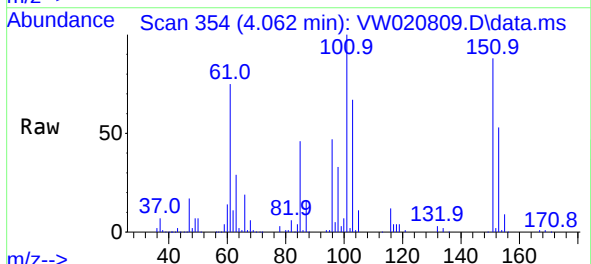
Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K3

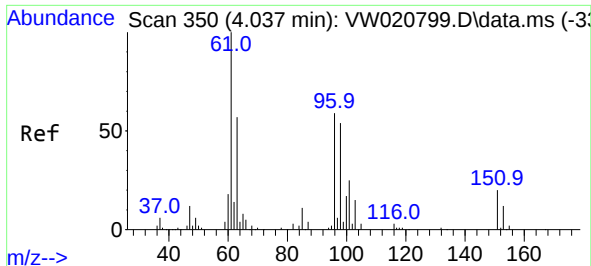
Tgt Ion: 62 Resp: 143909
 Ion Ratio Lower Upper
 62 100
 64 32.9 24.4 45.2



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.617 ug/L
 RT: 4.062 min Scan# 354
 Delta R.T. -0.006 min
 Lab File: VW020809.D
 Acq: 08 Nov 2021 14:31

Tgt Ion: 101 Resp: 124933
 Ion Ratio Lower Upper
 101 100
 85 44.8 36.6 54.8
 151 84.7 57.4 86.0

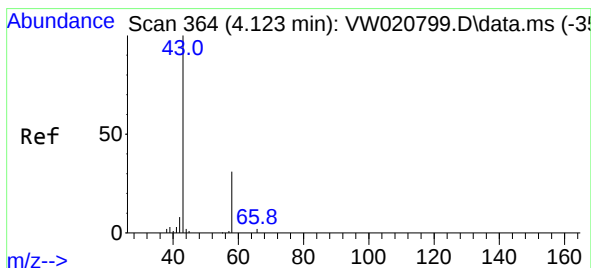
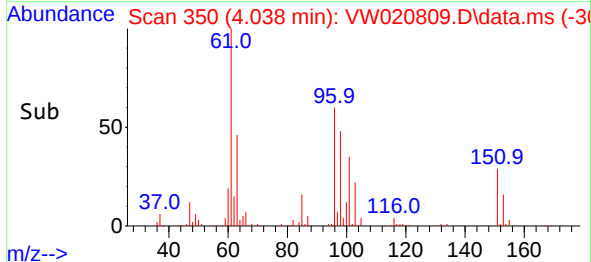
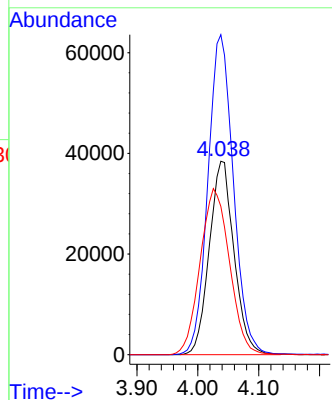
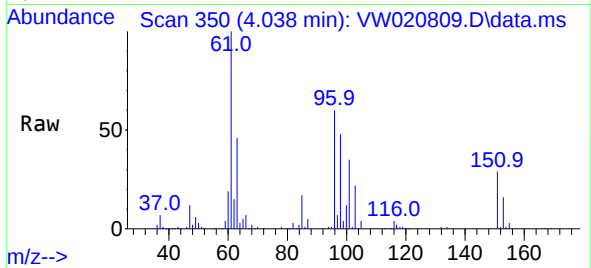




#12
1,1-Dichloroethene
Concen: 47.064 ug/L
RT: 4.038 min Scan# 311
Delta R.T. 0.000 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

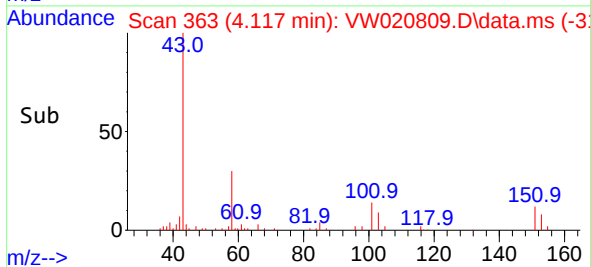
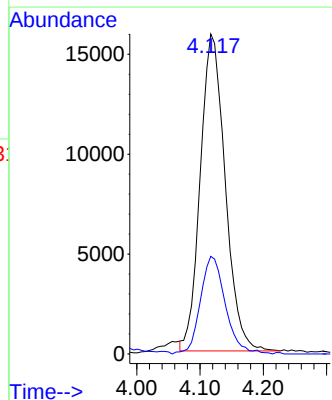
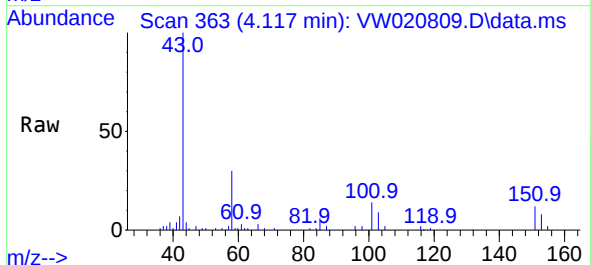
Instrument :
MSVOA_W
ClientSampleId :
GB7K3

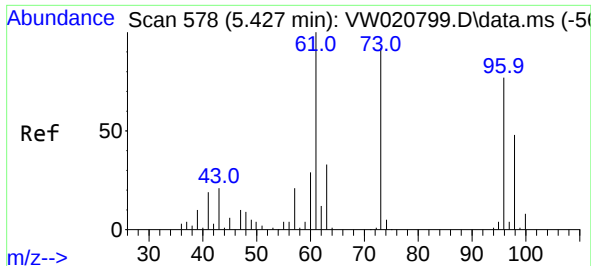
Tgt Ion: 96 Resp: 108564
Ion Ratio Lower Upper
96 100
61 165.4 138.3 256.9
63 76.7 82.6 153.4#



#13
Acetone
Concen: 82.898 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

Tgt Ion: 43 Resp: 43434
Ion Ratio Lower Upper
43 100
58 30.5 0.0 52.8

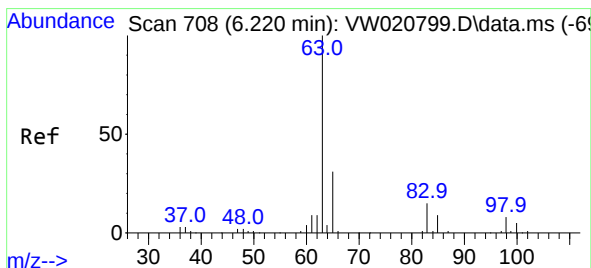
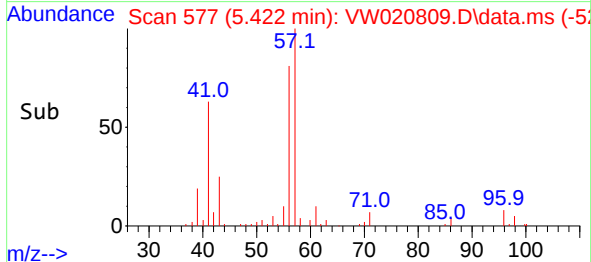
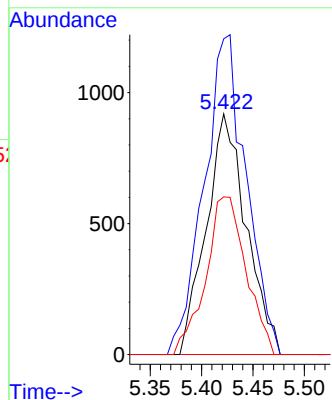
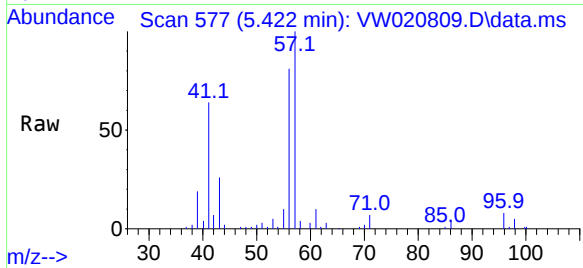




#17
trans-1,2-Dichloroethene
Concen: 1.017 ug/L
RT: 5.422 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

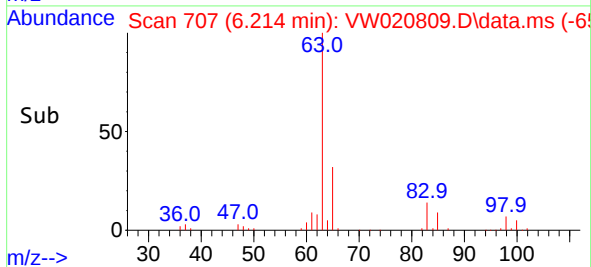
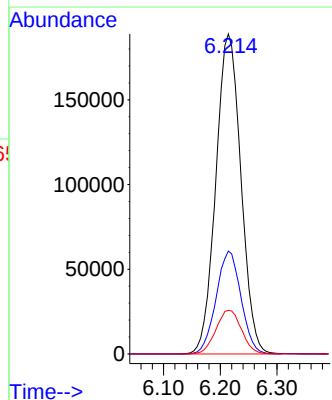
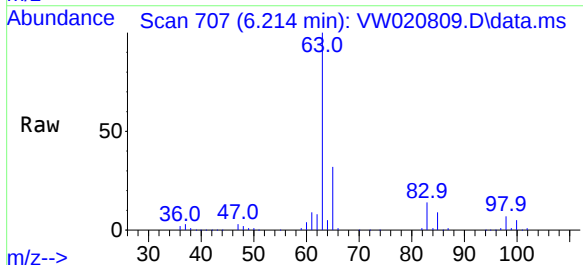
Instrument :
MSVOA_W
ClientSampleId :
GB7K3

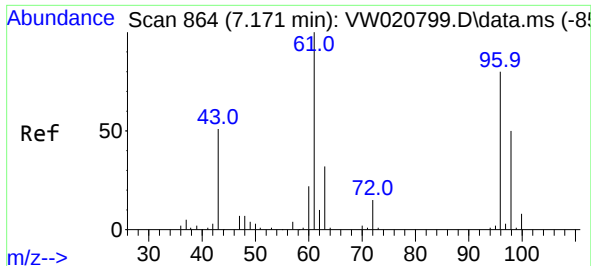
Tgt Ion: 96 Resp: 2494
Ion Ratio Lower Upper
96 100
61 131.1 107.4 199.4
98 65.5 41.2 76.6



#19
1,1-Dichloroethane
Concen: 136.362 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.006 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

Tgt Ion: 63 Resp: 579093
Ion Ratio Lower Upper
63 100
65 32.2 22.1 41.1
83 13.7 9.2 17.2

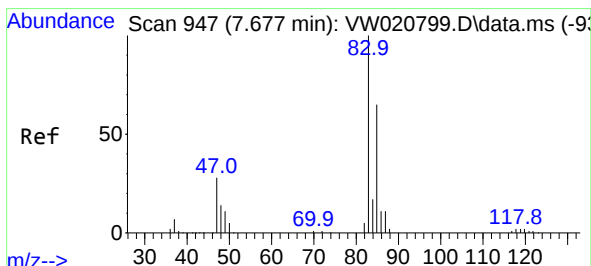
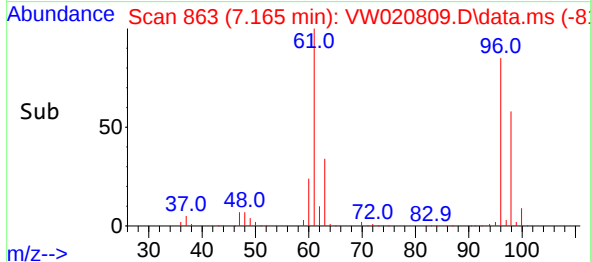
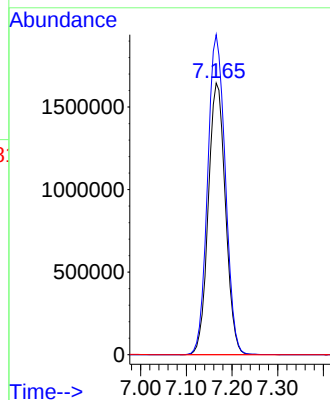
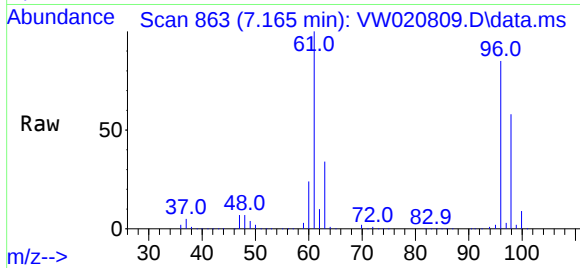




#20
cis-1,2-Dichloroethene
Concen: 1660.915 ug/L
RT: 7.165 min Scan# 80
Delta R.T. -0.006 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

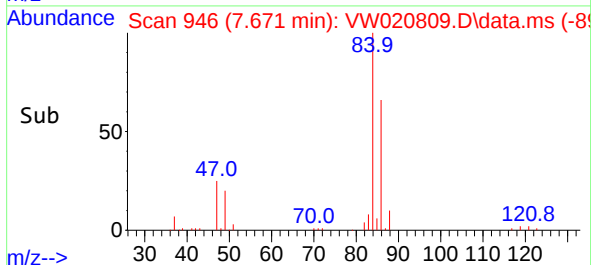
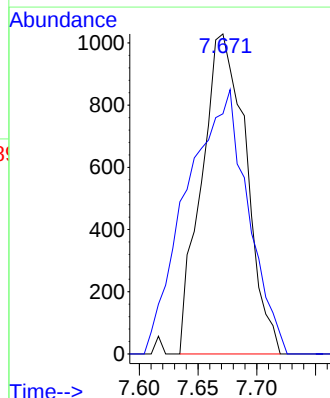
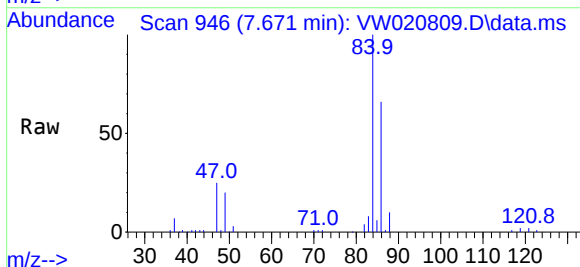
Instrument :
MSVOA_W
ClientSampleId :
GB7K3

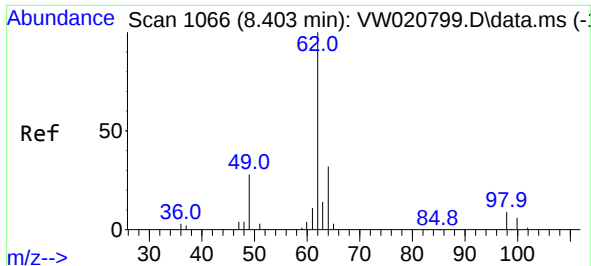
Tgt Ion: 96 Resp: 4293115
Ion Ratio Lower Upper
96 100
61 117.8 103.7 192.7
68 0.0 0.0 0.0



#25
Chloroform
Concen: 0.613 ug/L
RT: 7.671 min Scan# 946
Delta R.T. -0.006 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

Tgt Ion: 83 Resp: 2708
Ion Ratio Lower Upper
83 100
85 75.0 45.1 83.7





#27

1,2-Dichloroethane

Concen: 3.700 ug/L

RT: 8.397 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VW020809.D

Acq: 08 Nov 2021 14:31

Instrument :

MSVOA_W

ClientSampleId :

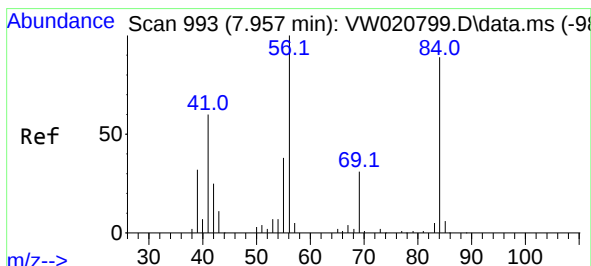
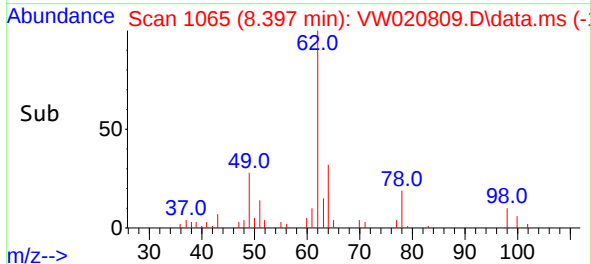
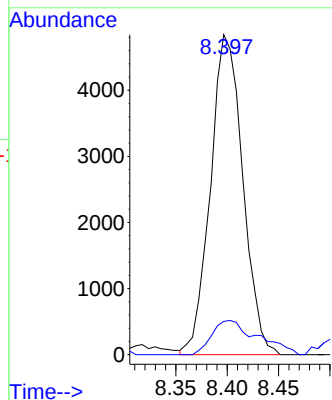
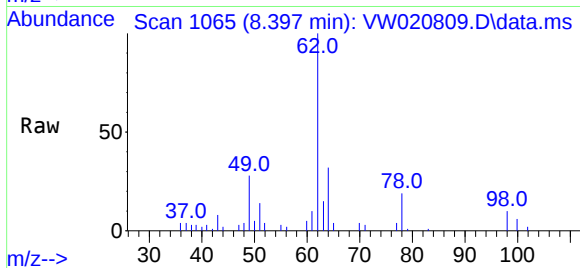
GB7K3

Tgt Ion: 62 Resp: 10590

Ion Ratio Lower Upper

62 100

98 10.4 6.5 9.7#



#29

Cyclohexane

Concen: 7.811 ug/L

RT: 7.952 min Scan# 992

Delta R.T. -0.006 min

Lab File: VW020809.D

Acq: 08 Nov 2021 14:31

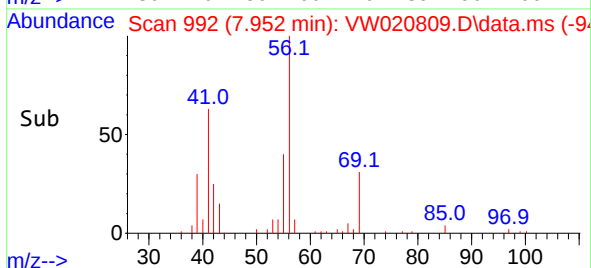
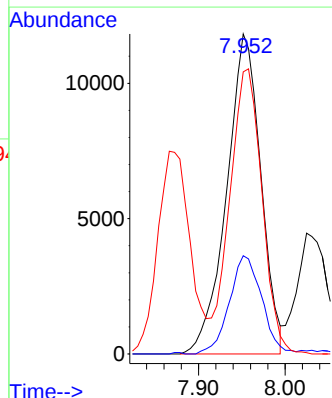
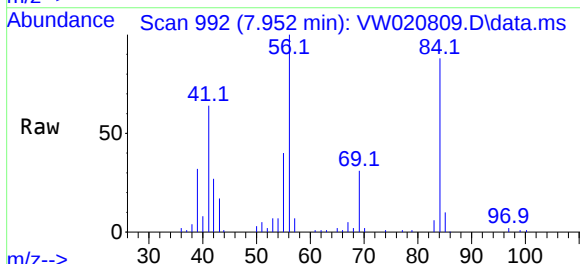
Tgt Ion: 56 Resp: 32386

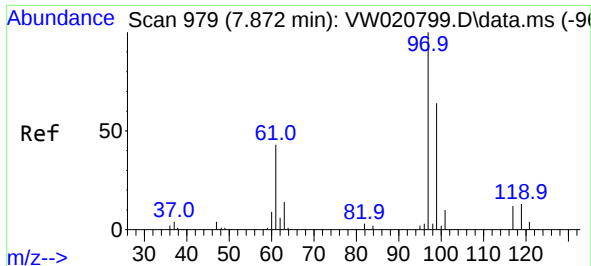
Ion Ratio Lower Upper

56 100

69 29.1 23.5 35.3

84 84.8 63.4 95.2





#30

1,1,1-Trichloroethane

Concen: 274.123 ug/L

RT: 7.872 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW020809.D

Acq: 08 Nov 2021 14:31

Instrument :

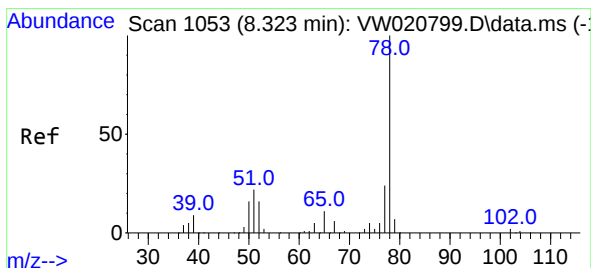
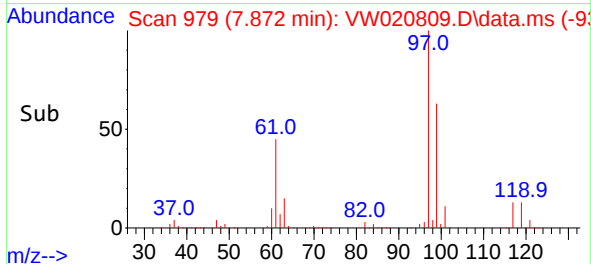
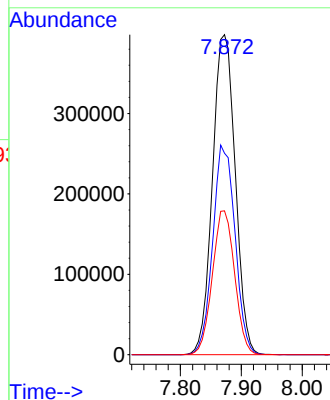
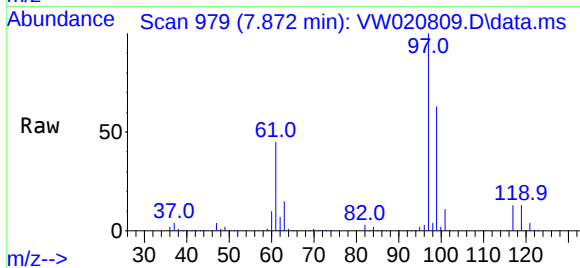
MSVOA_W

ClientSampleId :

GB7K3

Tgt Ion: 97 Resp: 1035182

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	44.0	40.9	61.3



#33

Benzene

Concen: 2.503 ug/L

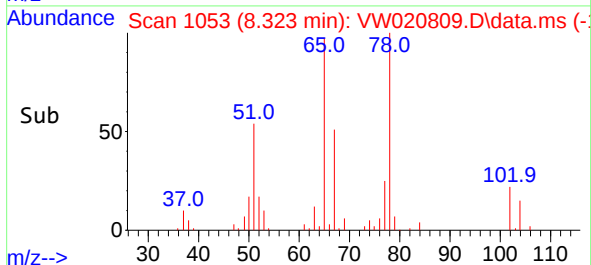
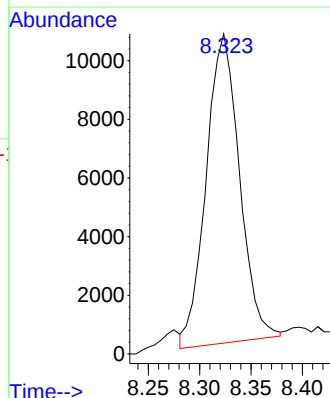
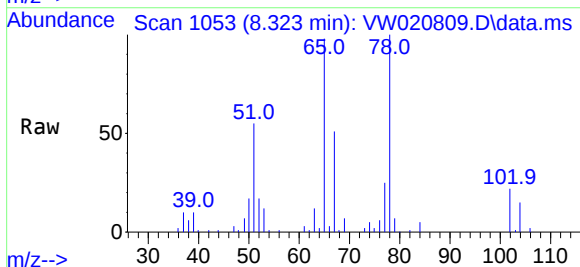
RT: 8.323 min Scan# 1053

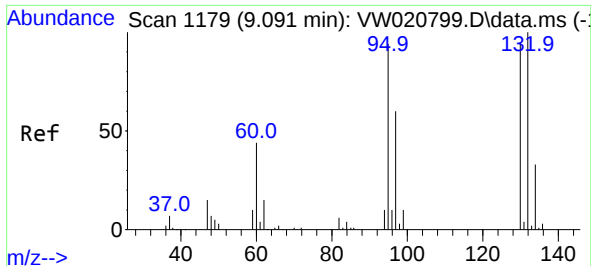
Delta R.T. 0.000 min

Lab File: VW020809.D

Acq: 08 Nov 2021 14:31

Tgt Ion: 78 Resp: 23821

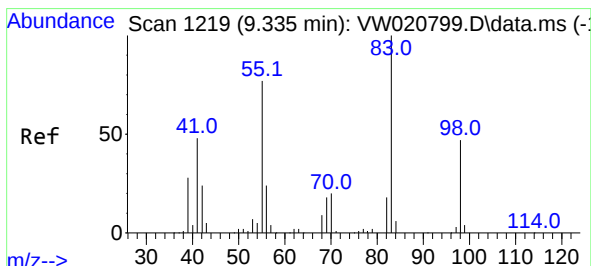
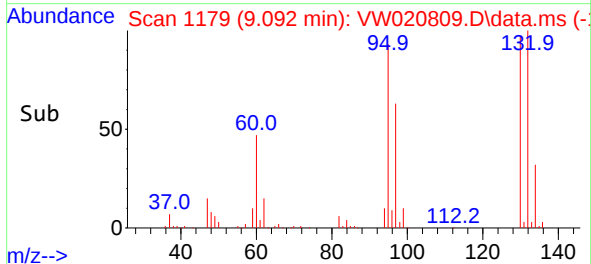
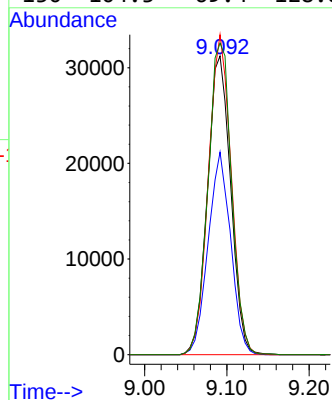
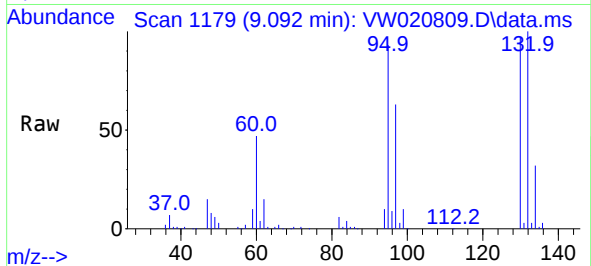




#34
Trichloroethene
Concen: 24.212 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

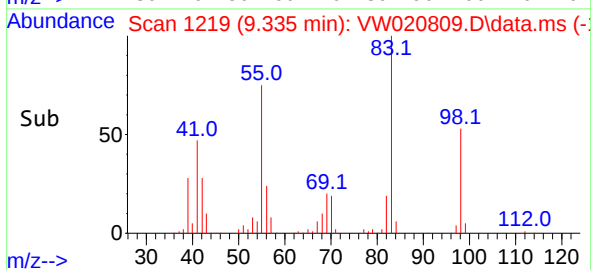
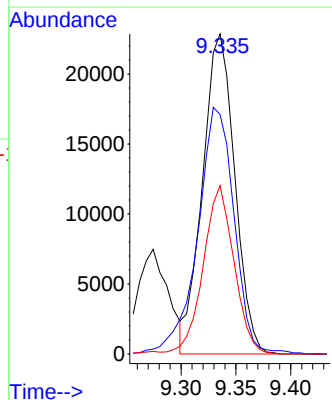
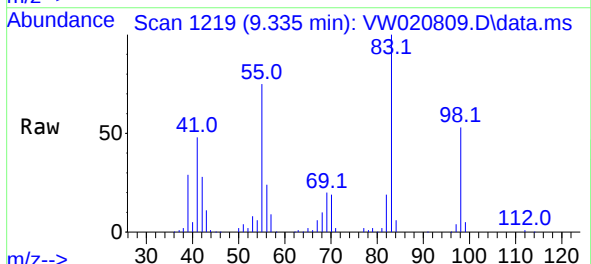
Instrument :
MSVOA_W
ClientSampleId :
GB7K3

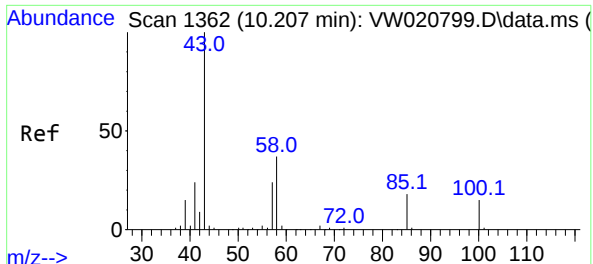
Tgt Ion: 95 Resp: 61336
Ion Ratio Lower Upper
95 100
97 67.8 47.0 87.2
132 107.1 65.5 121.6
130 104.3 69.4 128.8



#35
Methylcyclohexane
Concen: 10.570 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

Tgt Ion: 83 Resp: 46729
Ion Ratio Lower Upper
83 100
55 87.3 70.8 106.2
98 50.2 37.7 56.5





#40

4-Methyl-2-pentanone

Concen: 10.187 ug/L

RT: 10.213 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW020809.D

Acq: 08 Nov 2021 14:31

Instrument :

MSVOA_W

ClientSampleId :

GB7K3

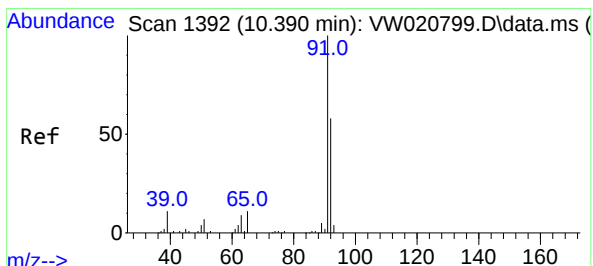
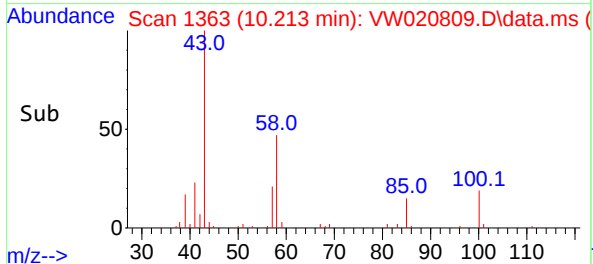
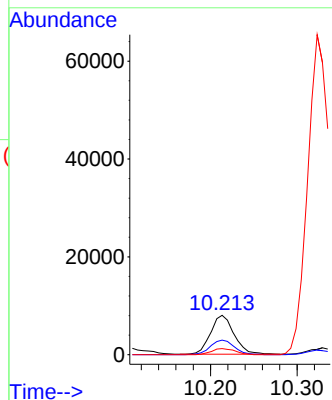
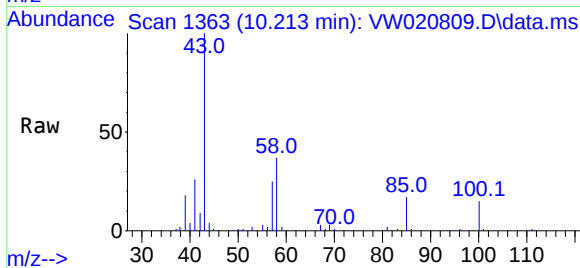
Tgt Ion: 43 Resp: 15001

Ion Ratio Lower Upper

43 100

58 38.3 28.8 43.2

100 15.7 10.0 15.0#



#42

Toluene

Concen: 1590.856 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW020809.D

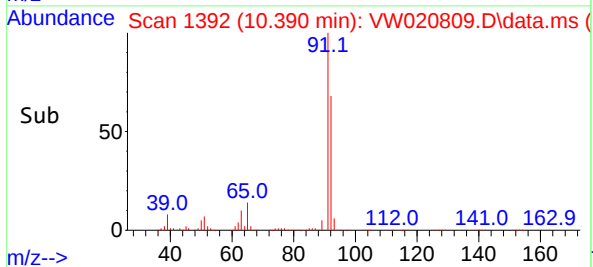
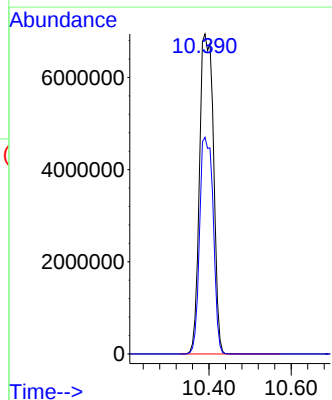
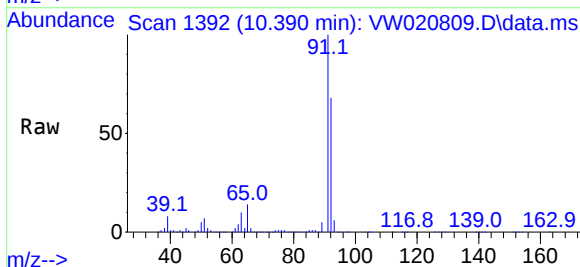
Acq: 08 Nov 2021 14:31

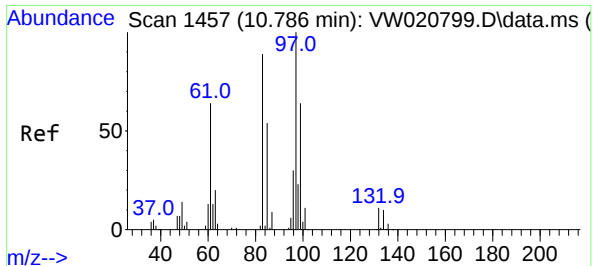
Tgt Ion: 91 Resp:16280819

Ion Ratio Lower Upper

91 100

92 67.7 41.7 77.5

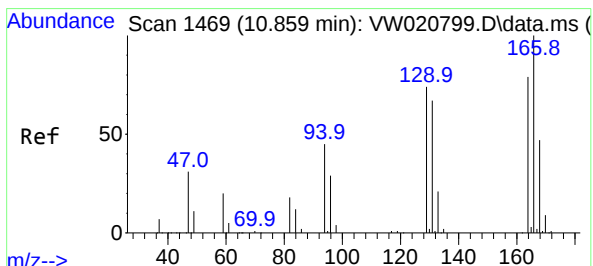
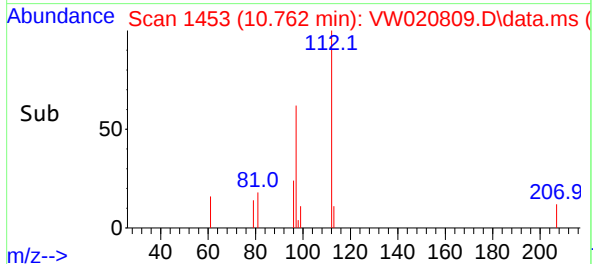
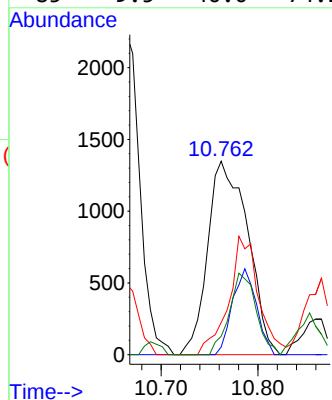
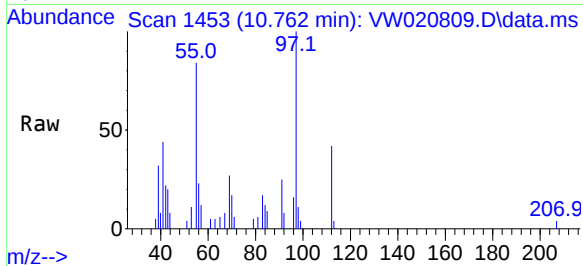




#45
1,1,2-Trichloroethane
Concen: 2.325 ug/L
RT: 10.762 min Scan# 1457
Delta R.T. -0.024 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

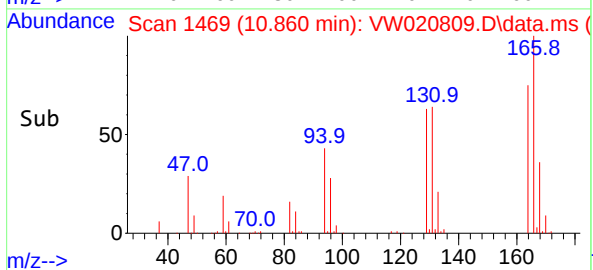
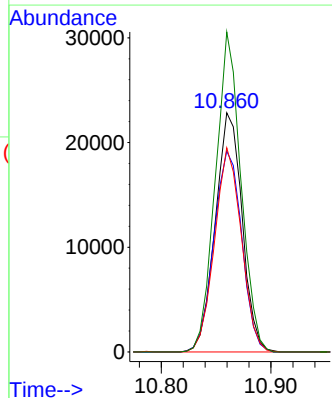
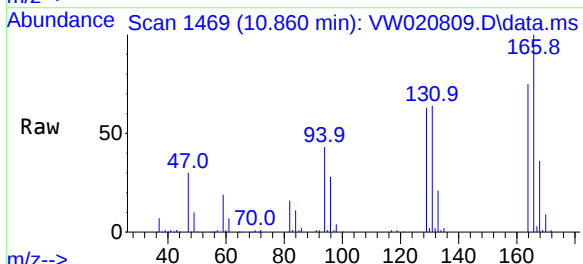
Instrument :
MSVOA_W
ClientSampleId :
GB7K3

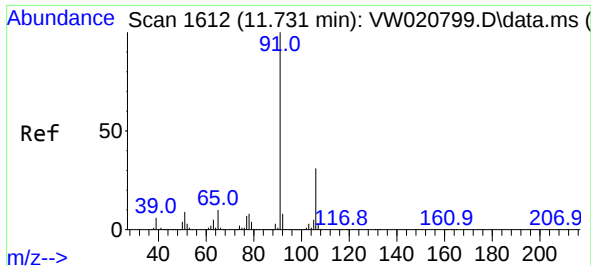
Tgt Ion:	97	Resp:	3888
Ion	Ratio	Lower	Upper
97	100		
99	3.9	43.0	79.8#
83	16.6	62.6	116.3#
85	9.5	40.0	74.2#



#46
Tetrachloroethene
Concen: 17.148 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

Tgt Ion:	164	Resp:	38964
Ion	Ratio	Lower	Upper
164	100		
129	84.0	65.5	121.7
131	85.4	59.7	110.9
166	133.8	88.7	164.7

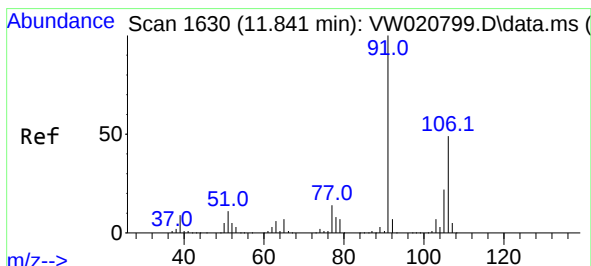
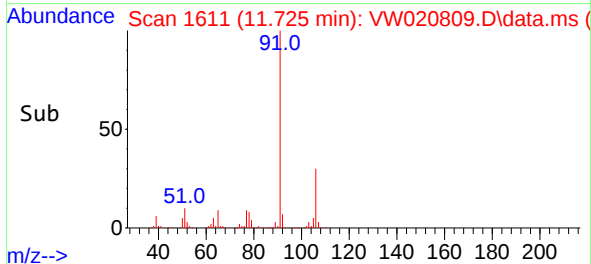
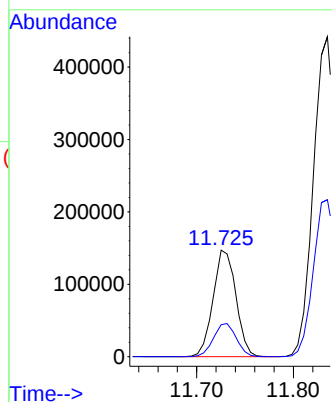
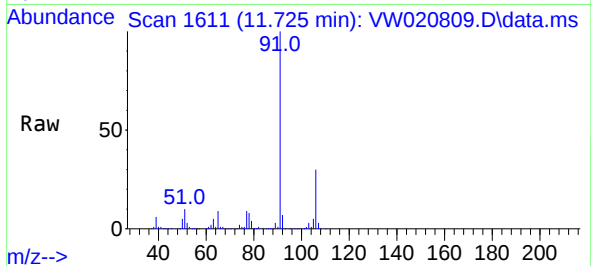




#52
Ethylbenzene
Concen: 21.052 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

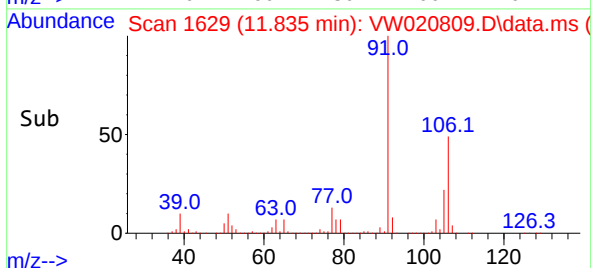
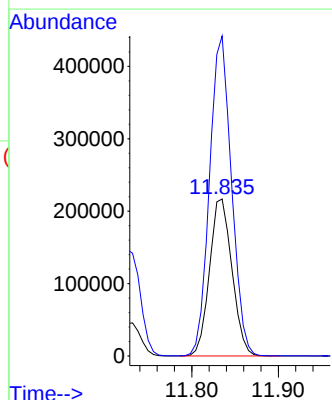
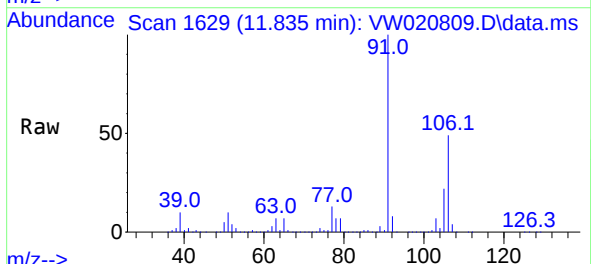
Instrument :
MSVOA_W
ClientSampleId :
GB7K3

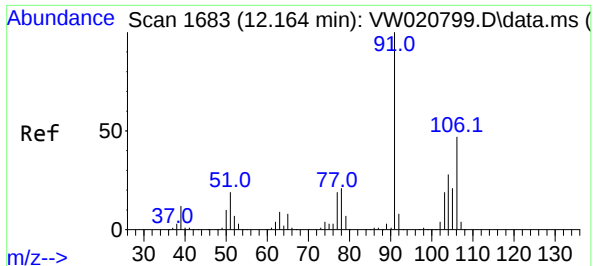
Tgt Ion: 91 Resp: 241388
Ion Ratio Lower Upper
91 100
106 30.1 21.5 39.9



#53
m,p-Xylene
Concen: 84.962 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

Tgt Ion: 106 Resp: 390324
Ion Ratio Lower Upper
106 100
91 204.0 149.9 278.3

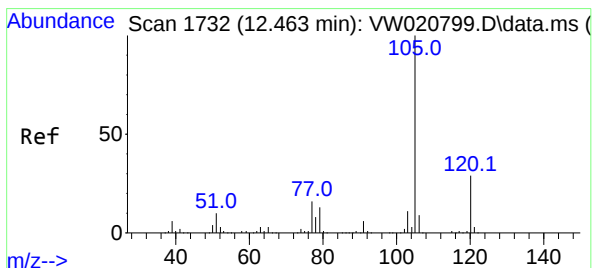
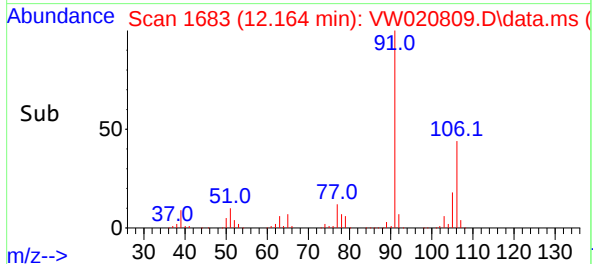
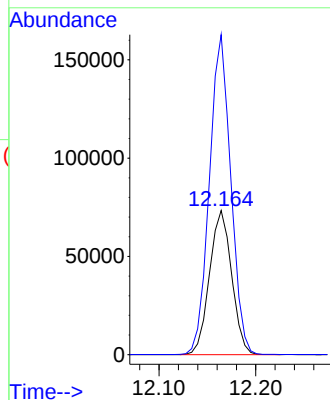
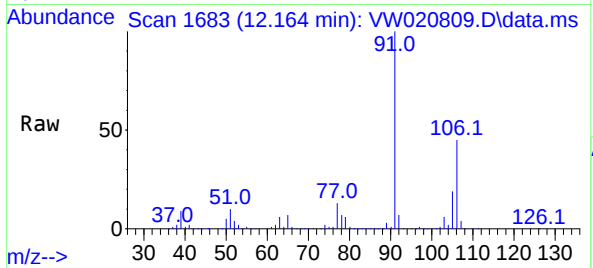




#54
o-Xylene
Concen: 26.862 ug/L
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

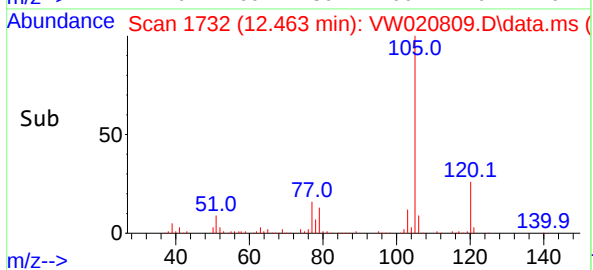
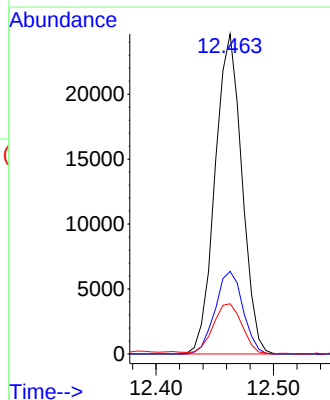
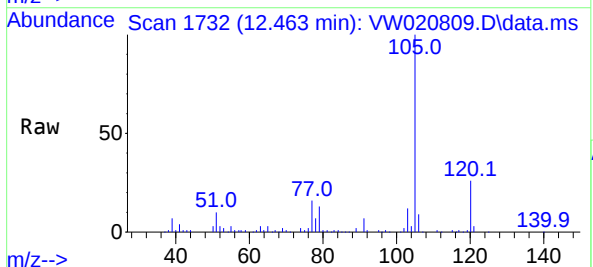
Instrument :
MSVOA_W
ClientSampleId :
GB7K3

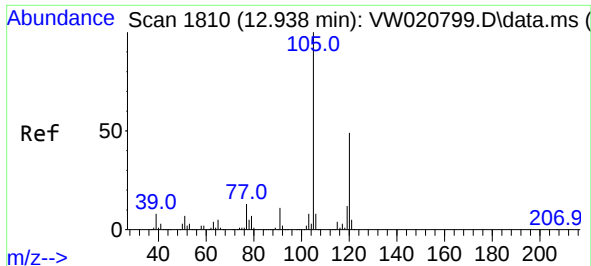
Tgt Ion:106 Resp: 116900
Ion Ratio Lower Upper
106 100
91 221.9 153.6 285.3



#60
Isopropylbenzene
Concen: 4.227 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020809.D
Acq: 08 Nov 2021 14:31

Tgt Ion:105 Resp: 39132
Ion Ratio Lower Upper
105 100
120 26.7 20.1 30.1
77 17.0 13.8 20.8





#62

1,3,5-Trimethylbenzene

Concen: 20.549 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW020809.D

Acq: 08 Nov 2021 14:31

Instrument :

MSVOA_W

ClientSampleId :

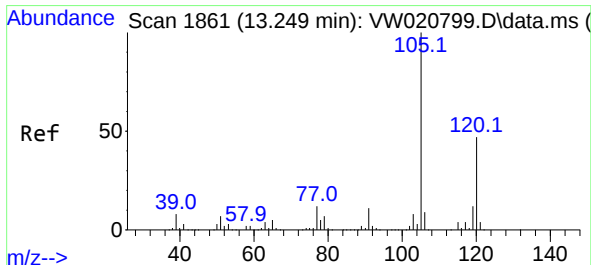
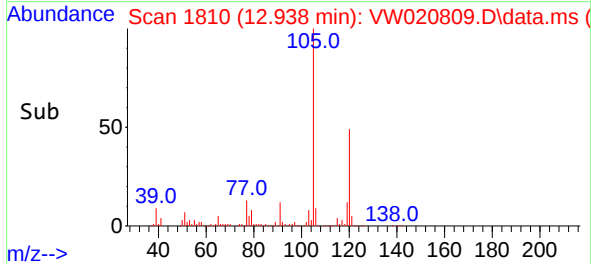
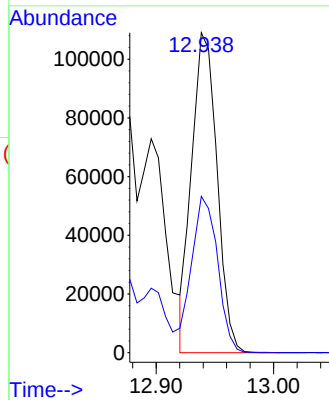
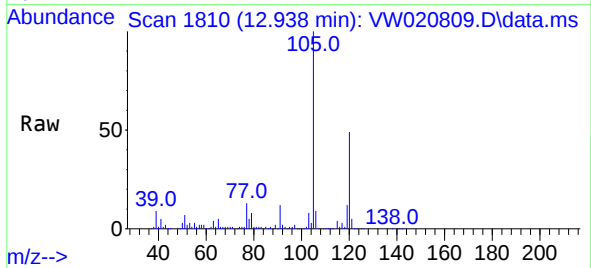
GB7K3

Tgt Ion:105 Resp: 163474

Ion Ratio Lower Upper

105 100

120 51.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 87.127 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW020809.D

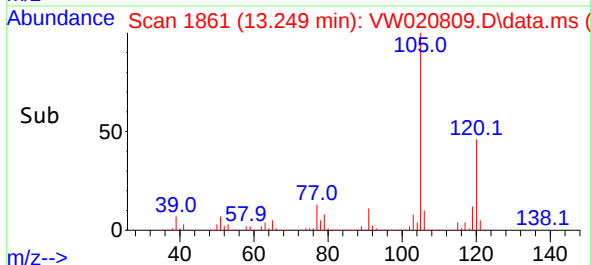
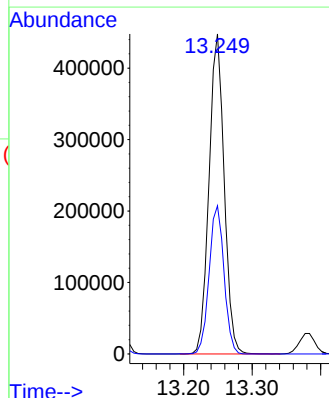
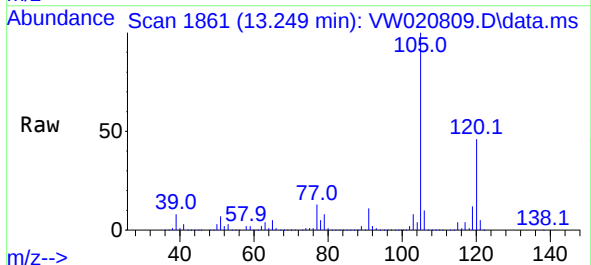
Acq: 08 Nov 2021 14:31

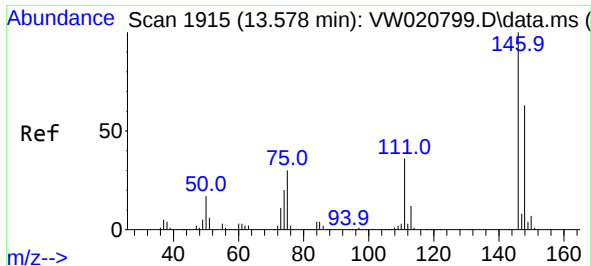
Tgt Ion:105 Resp: 688529

Ion Ratio Lower Upper

105 100

120 45.5 35.0 52.6





#65

1,4-Dichlorobenzene

Concen: 2.229 ug/L

RT: 13.573 min Scan# 1915

Delta R.T. -0.006 min

Lab File: VW020809.D

Acq: 08 Nov 2021 14:31

Instrument :

MSVOA_W

ClientSampleId :

GB7K3

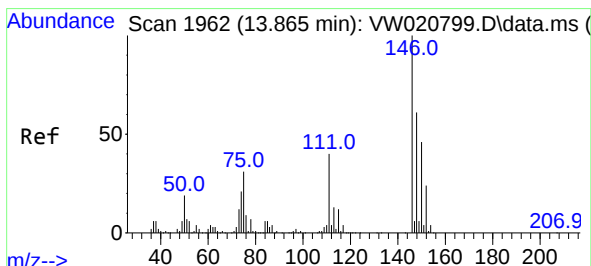
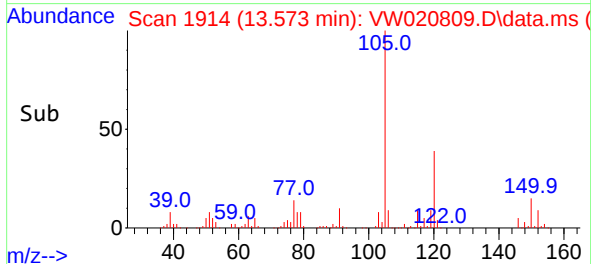
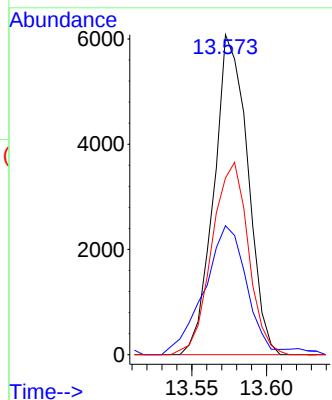
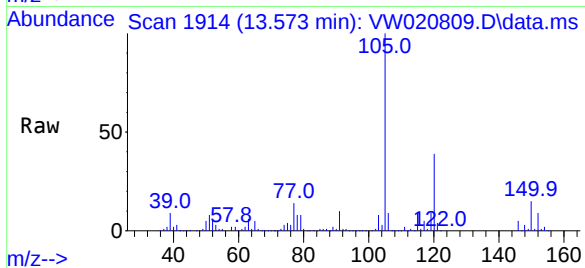
Tgt Ion:146 Resp: 9530

Ion Ratio Lower Upper

146 100

111 40.3 29.0 53.9

148 55.2 46.9 87.1



#67

1,2-Dichlorobenzene

Concen: 30.962 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW020809.D

Acq: 08 Nov 2021 14:31

Tgt Ion:146 Resp: 117397

Ion Ratio Lower Upper

146 100

111 40.1 33.1 49.7

148 57.2 47.4 71.2

