

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102721\
 Data File : VW023061.D
 Acq On : 27 Oct 2021 16:22
 Operator : SY/MD
 Sample : M4277-06RE
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGB2RE

Quant Time: Oct 28 01:46:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 28 01:43:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	133246	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	132346	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	59729	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	45955	3.947	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.000%
7) Chloroethane-d5	1.568	69	31225	4.336	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.108	63	56063	3.338	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.800%
20) 2-Butanone-d5	3.886	46	110366	59.090	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.180%
24) Chloroform-d	4.352	84	94211	4.977	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.600%
26) 1,2-Dichloroethane-d4	5.034	65	44503	4.988	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.053	84	190552	4.932	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.072	67	60242	5.065	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.320	98	156355	4.505	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	7.625	79	19382	4.651	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.091	63	72892	47.242	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.480%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38699	4.712	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	58259	5.467	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	3563	0.378	ug/L #	81
8) Chloroethane	1.584	64	672	0.136	ug/L #	71
13) Acetone	2.188	43	2094	2.285	ug/L	88
14) Carbon disulfide	2.294	76	1325	0.071	ug/L #	32
17) Methyl tert-butyl Ether	2.770	73	11507	0.707	ug/L	98
18) trans-1,2-Dichloroethene	2.770	96	1386	0.190	ug/L	75
19) 1,1-Dichloroethane	3.191	63	18487	1.382	ug/L	95
22) cis-1,2-Dichloroethene	3.912	96	214630	25.992	ug/L #	92
25) Chloroform	4.378	83	9402	0.532	ug/L	100
34) Trichloroethene	5.918	95	34320	3.836	ug/L	100
42) Toluene	7.391	91	120933	3.351	ug/L	98
47) Tetrachloroethene	7.976	164	111699	14.777	ug/L	98
52) Ethylbenzene	9.021	91	2043	0.057	ug/L #	82
53) m,p-xylene	9.143	106	2131	0.148	ug/L	96
54) o-xylene	9.551	106	815	0.060	ug/L	96
64) 1,3-Dichlorobenzene	11.191	146	2517	0.158	ug/L	93
65) 1,4-Dichlorobenzene	11.275	146	1468	0.091	ug/L	93
67) 1,2-Dichlorobenzene	11.644	146	1992	0.135	ug/L #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102721\
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Quant Time: Oct 28 01:46:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 28 01:43:46 2021
Response via : Initial Calibration

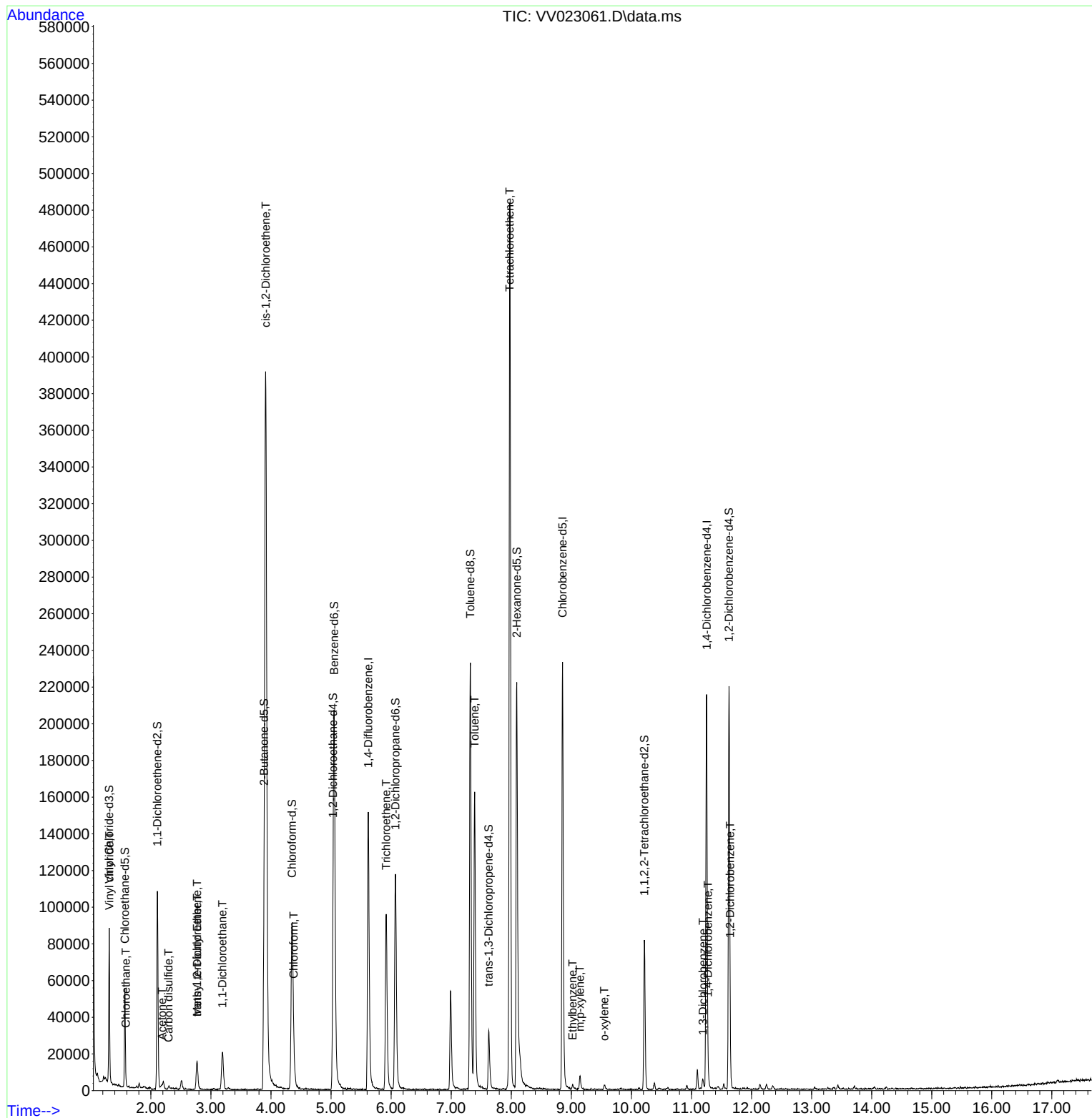
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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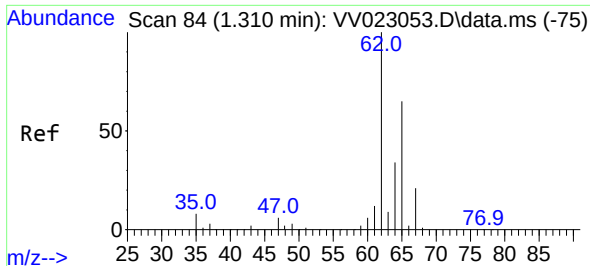
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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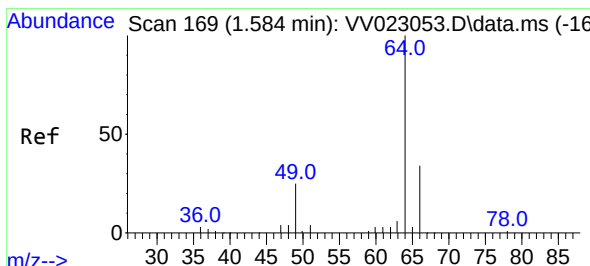
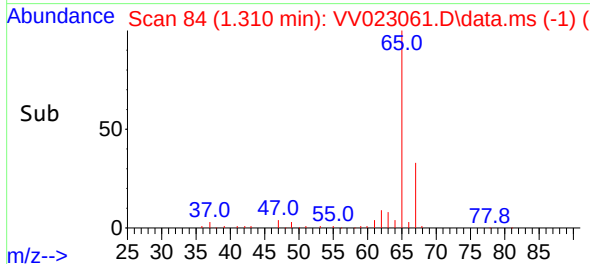
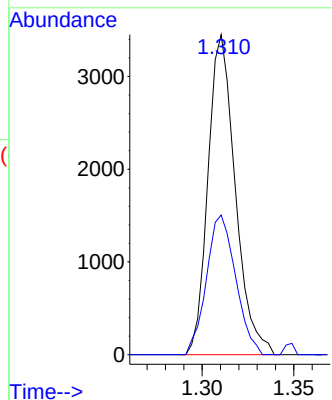
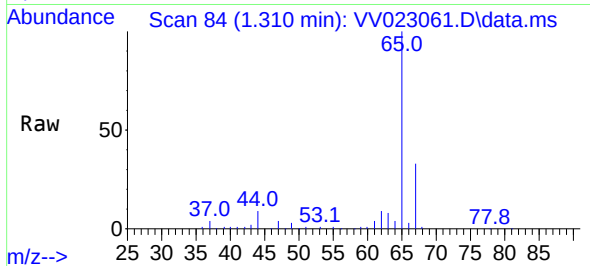




#5
 Vinyl chloride
 Concen: 0.378 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023061.D
 Acq: 27 Oct 2021 16:22

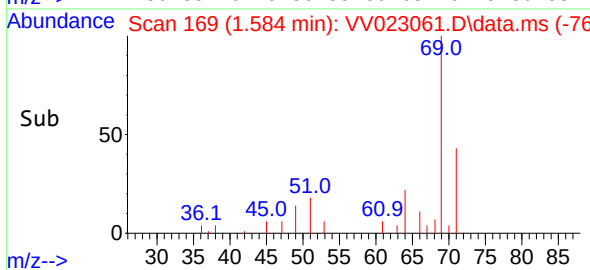
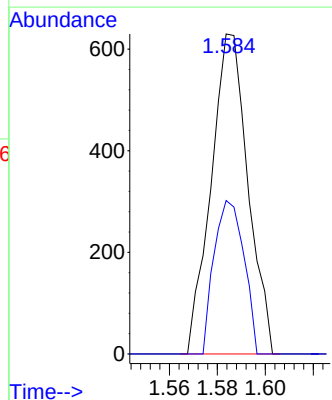
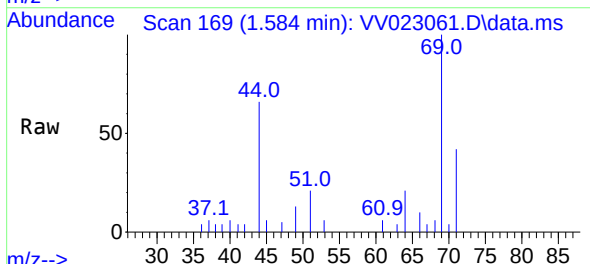
Instrument :
 MSVOA_V
 ClientSampleId :
 BFG2RE

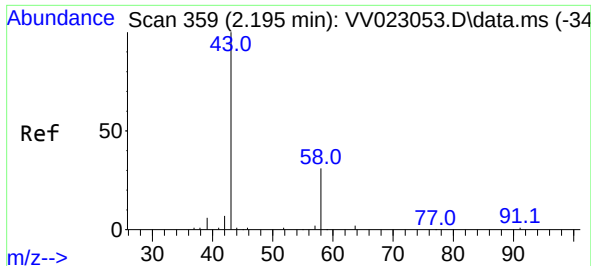
Tgt Ion: 62 Resp: 3563
 Ion Ratio Lower Upper
 62 100
 64 43.7 23.1 42.9#



#8
 Chloroethane
 Concen: 0.136 ug/L
 RT: 1.584 min Scan# 169
 Delta R.T. -0.000 min
 Lab File: VV023061.D
 Acq: 27 Oct 2021 16:22

Tgt Ion: 64 Resp: 672
 Ion Ratio Lower Upper
 64 100
 66 47.9 22.1 41.1#

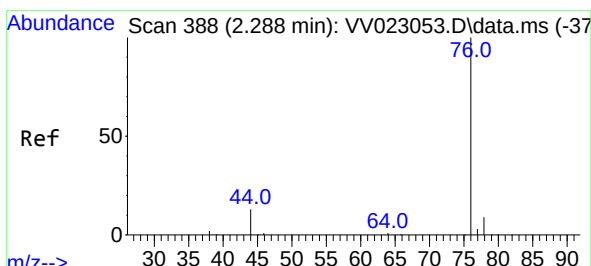
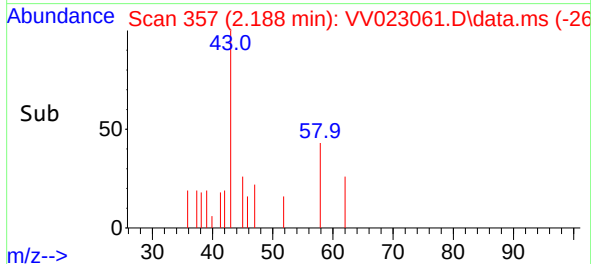
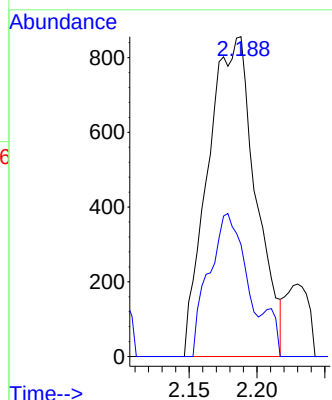
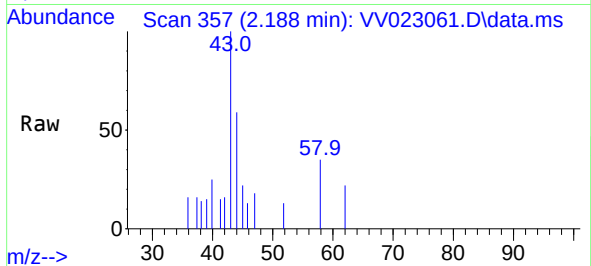




#13
Acetone
Concen: 2.285 ug/L
RT: 2.188 min Scan# 31
Delta R.T. -0.006 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

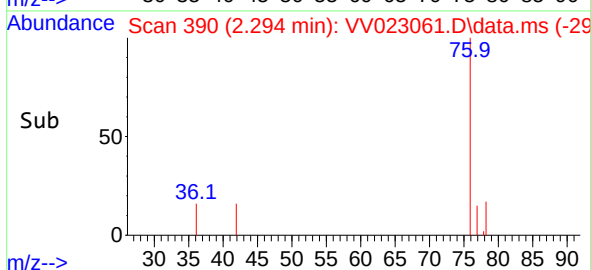
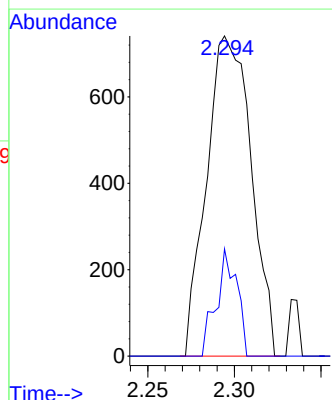
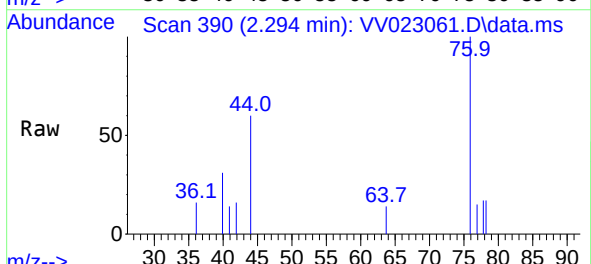
Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

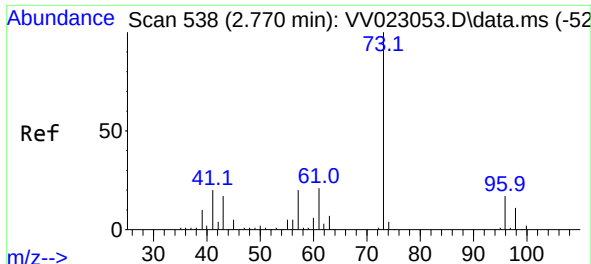
Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
58 34.0 0.0 55.4



#14
Carbon disulfide
Concen: 0.071 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.006 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Tgt Ion: 76 Resp: 1325
Ion Ratio Lower Upper
76 100
78 33.5 7.2 10.8#





#17

Methyl tert-butyl Ether

Concen: 0.707 ug/L

RT: 2.770 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

Instrument :

MSVOA_V

ClientSampleId :

BFGB2RE

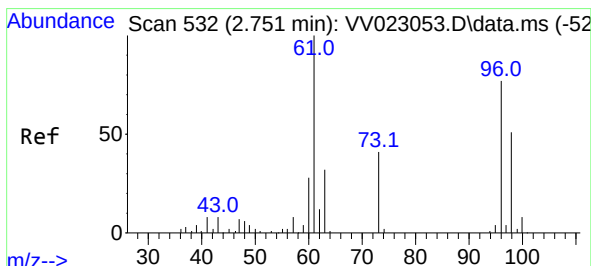
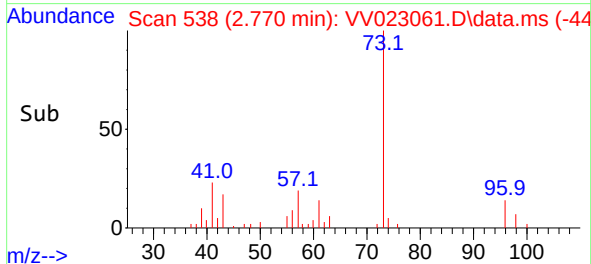
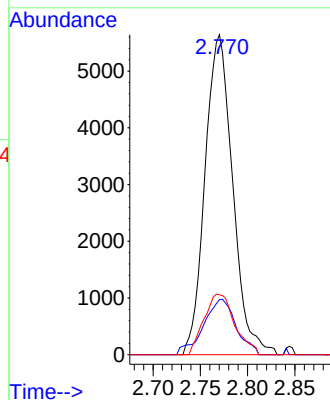
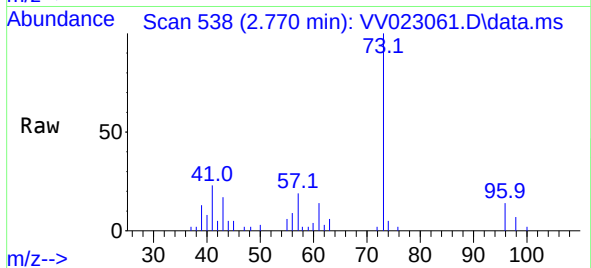
Tgt Ion: 73 Resp: 11507

Ion Ratio Lower Upper

73 100

43 20.3 17.4 26.0

57 21.0 16.5 24.7



#18

trans-1,2-Dichloroethene

Concen: 0.190 ug/L

RT: 2.770 min Scan# 538

Delta R.T. 0.019 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

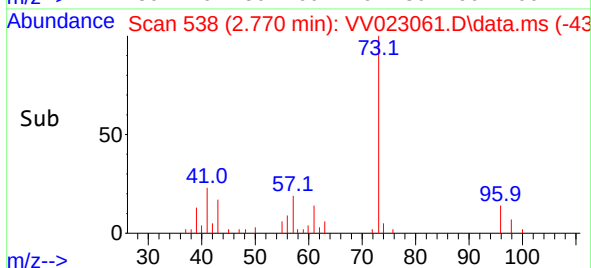
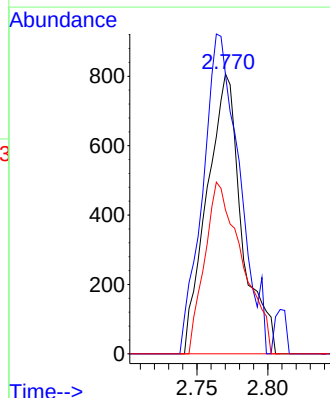
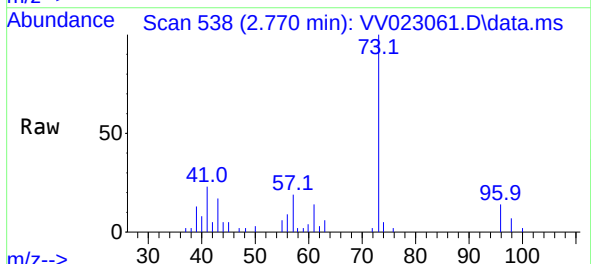
Tgt Ion: 96 Resp: 1386

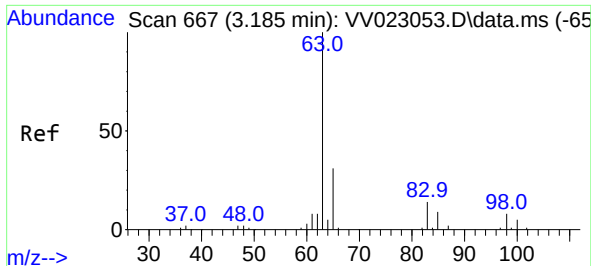
Ion Ratio Lower Upper

96 100

61 99.8 93.2 173.2

98 51.4 47.0 87.2





#19

1,1-Dichloroethane

Concen: 1.382 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

Instrument :

MSVOA_V

ClientSampleId :

BFGB2RE

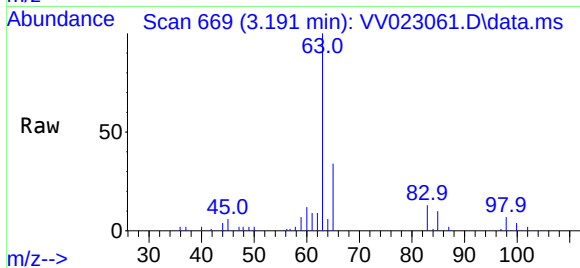
Tgt Ion: 63 Resp: 18487

Ion Ratio Lower Upper

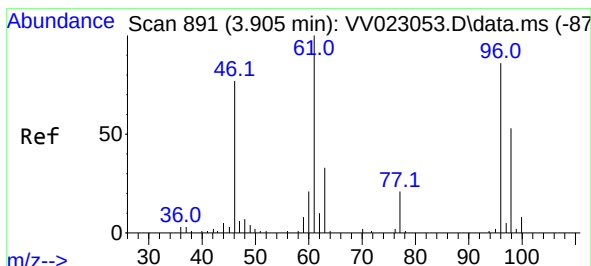
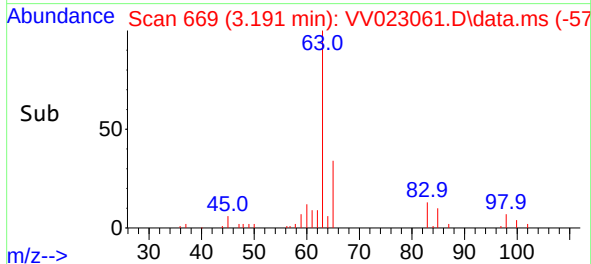
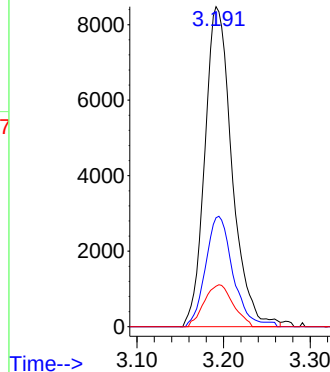
63 100

65 34.0 22.6 42.0

83 12.6 11.1 20.7



Abundance



#22

cis-1,2-Dichloroethene

Concen: 25.992 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.006 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

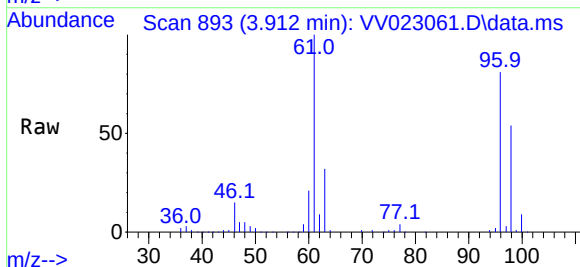
Tgt Ion: 96 Resp: 214630

Ion Ratio Lower Upper

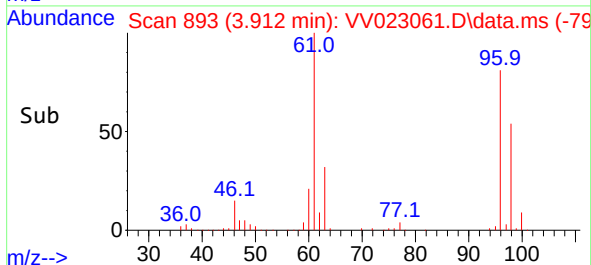
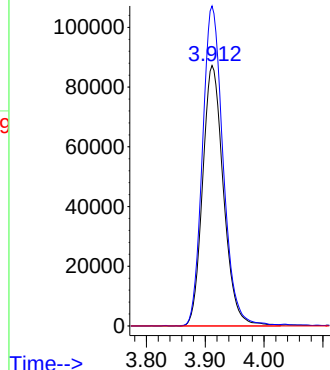
96 100

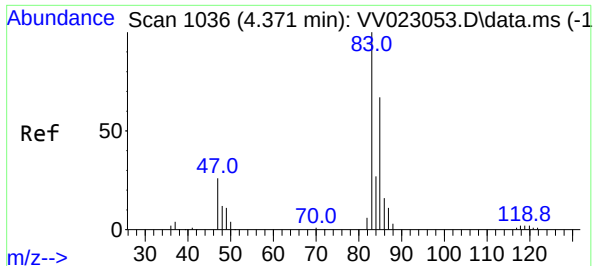
61 122.9 92.3 171.3

68 0.0 0.4 0.8#



Abundance





#25

Chloroform

Concen: 0.532 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

Instrument :

MSVOA_V

ClientSampleId :

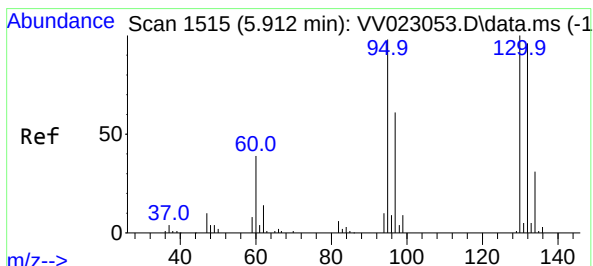
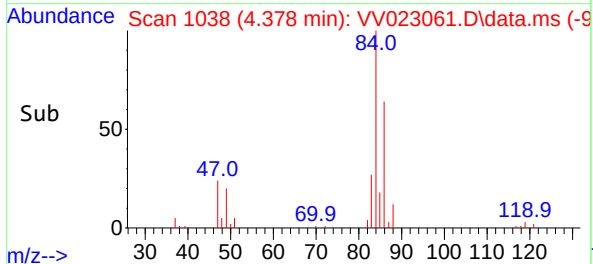
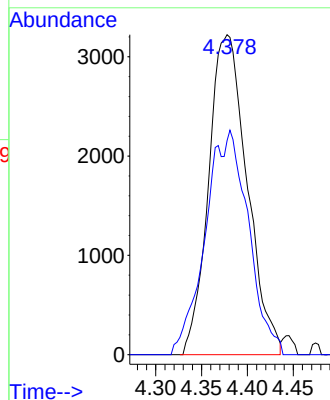
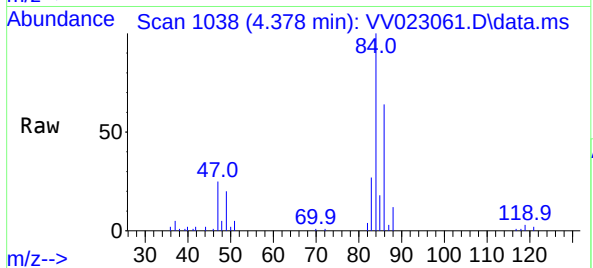
BFGB2RE

Tgt Ion: 83 Resp: 9402

Ion Ratio Lower Upper

83 100

85 66.9 46.8 86.8



#34

Trichloroethene

Concen: 3.836 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

Tgt Ion: 95 Resp: 34320

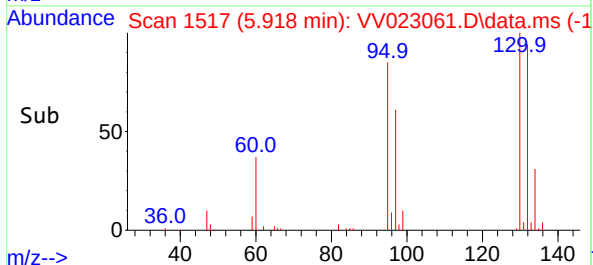
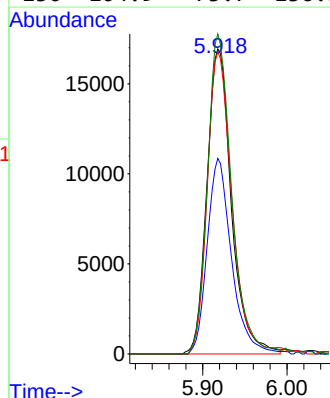
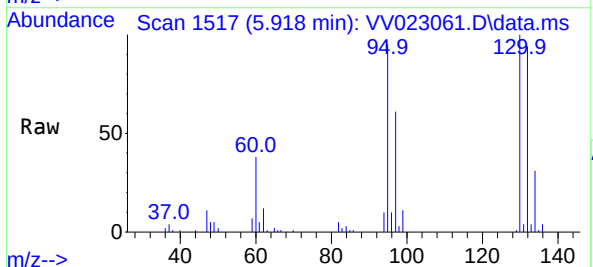
Ion Ratio Lower Upper

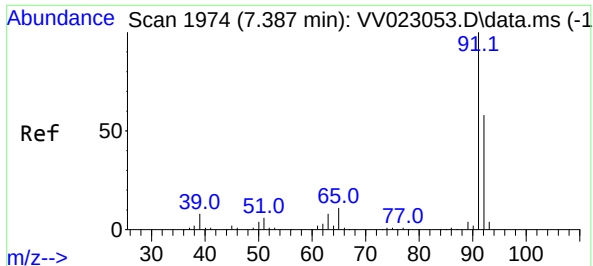
95 100

97 64.1 45.0 83.6

132 99.1 69.7 129.4

130 104.9 73.7 136.9





#42

Toluene

Concen: 3.351 ug/L

RT: 7.391 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

Instrument :

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ClientSampleId :

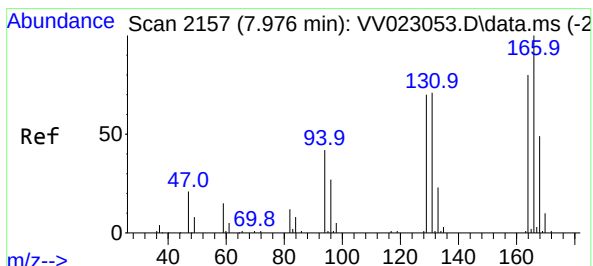
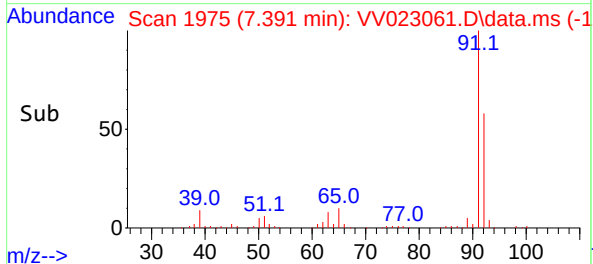
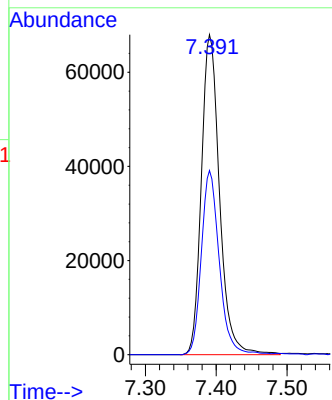
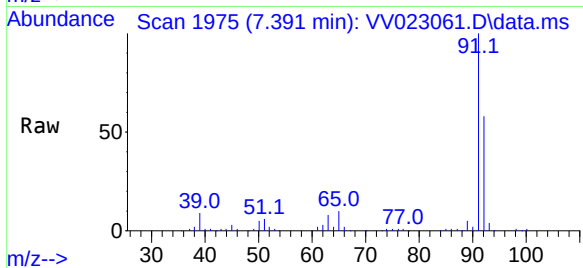
BFGB2RE

Tgt Ion: 91 Resp: 120933

Ion Ratio Lower Upper

91 100

92 57.6 39.3 72.9



#47

Tetrachloroethene

Concen: 14.777 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

Tgt Ion: 164 Resp: 111699

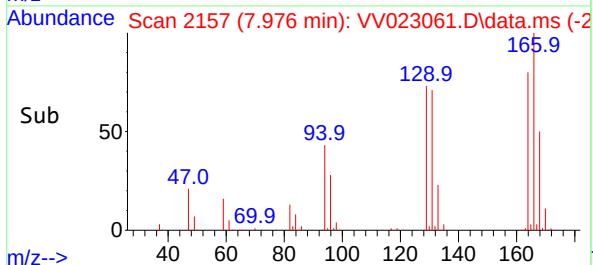
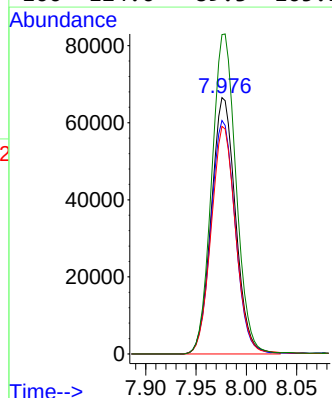
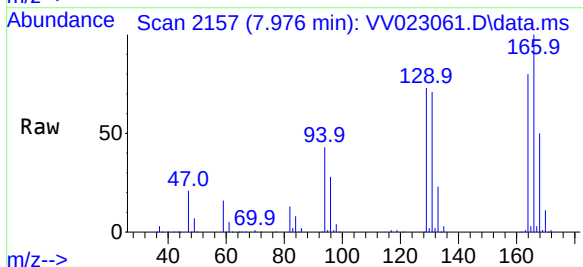
Ion Ratio Lower Upper

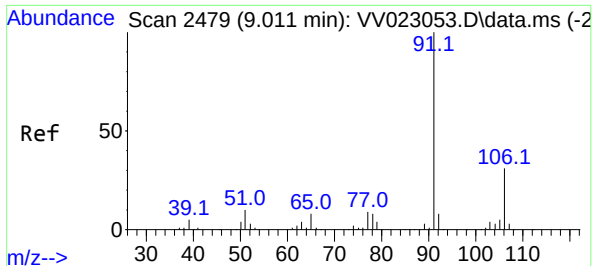
164 100

129 91.1 64.0 119.0

131 88.8 63.4 117.8

166 124.6 89.3 165.9





#52

Ethylbenzene

Concen: 0.057 ug/L

RT: 9.021 min Scan# 24

Delta R.T. 0.010 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

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ClientSampleId :

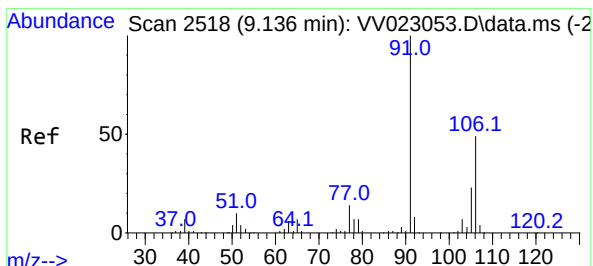
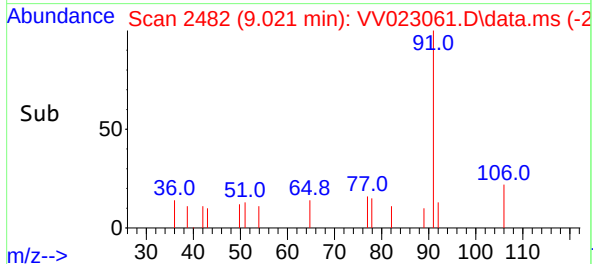
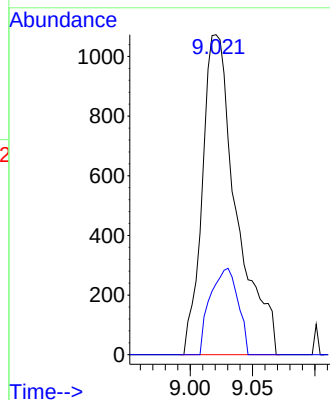
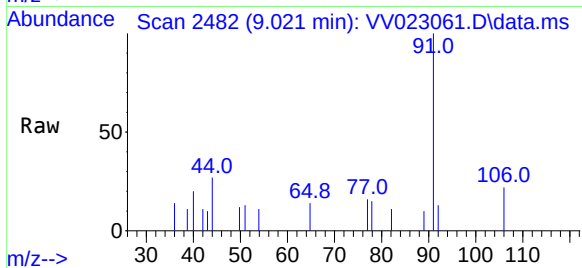
BFGB2RE

Tgt Ion: 91 Resp: 2043

Ion Ratio Lower Upper

91 100

106 22.2 22.5 41.9#



#53

m,p-xylene

Concen: 0.148 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.006 min

Lab File: VV023061.D

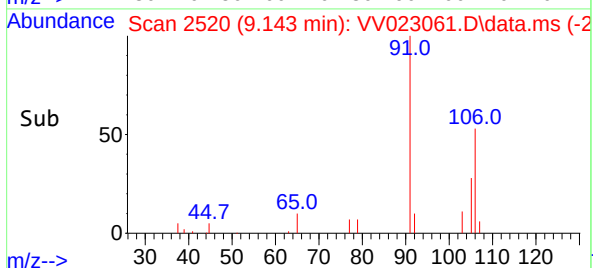
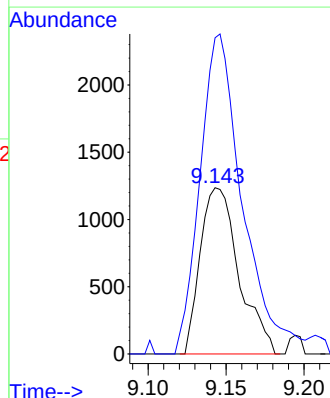
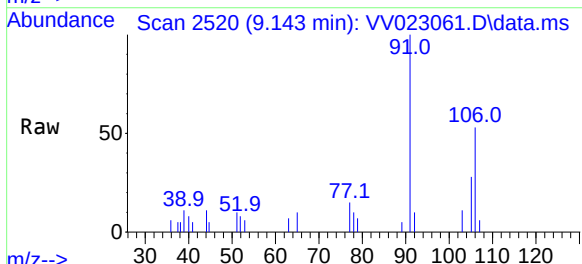
Acq: 27 Oct 2021 16:22

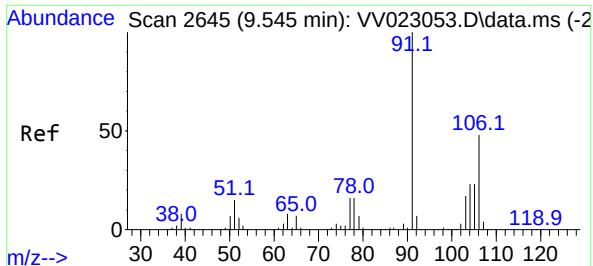
Tgt Ion: 106 Resp: 2131

Ion Ratio Lower Upper

106 100

91 190.1 137.2 254.8

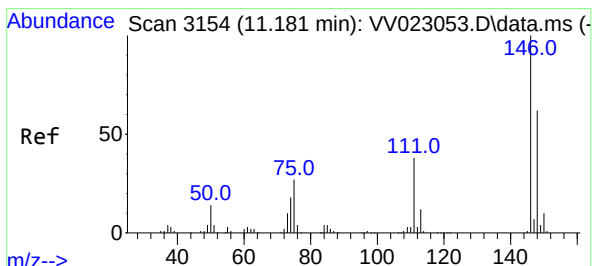
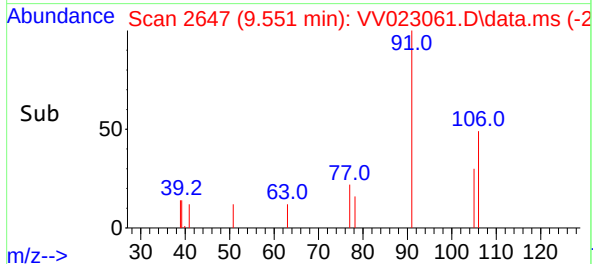
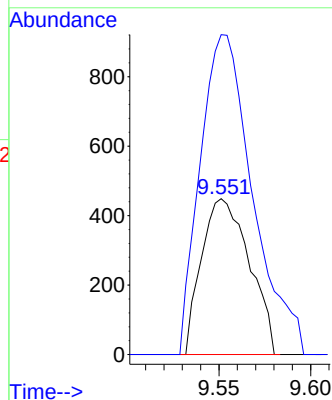
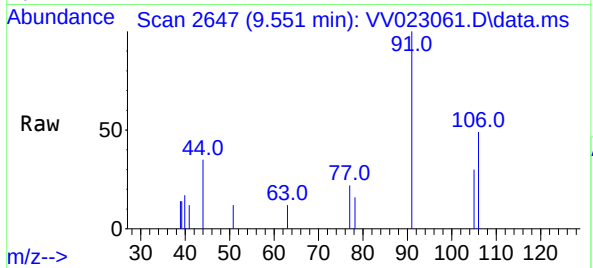




#54
o-xylene
Concen: 0.060 ug/L
RT: 9.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

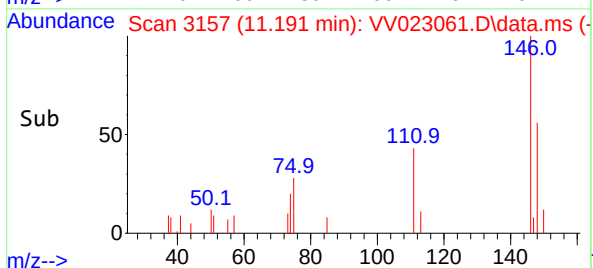
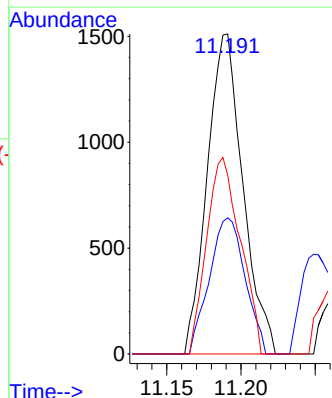
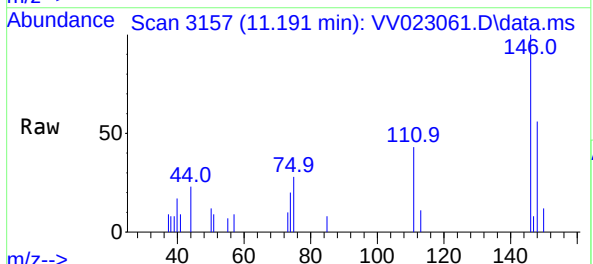
Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

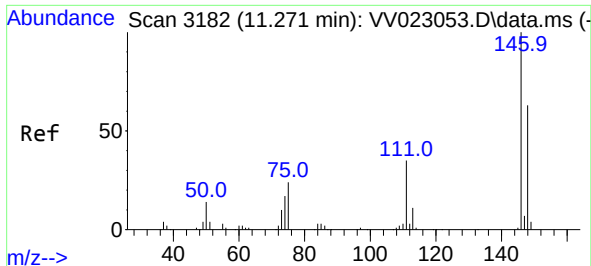
Tgt Ion:106 Resp: 815
Ion Ratio Lower Upper
106 100
91 205.1 148.3 275.5



#64
1,3-Dichlorobenzene
Concen: 0.158 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.010 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Tgt Ion:146 Resp: 2517
Ion Ratio Lower Upper
146 100
111 42.6 26.7 49.7
148 55.9 42.9 79.7

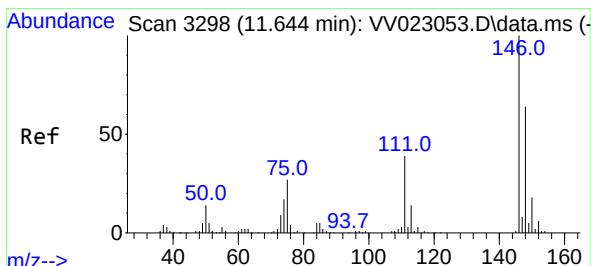
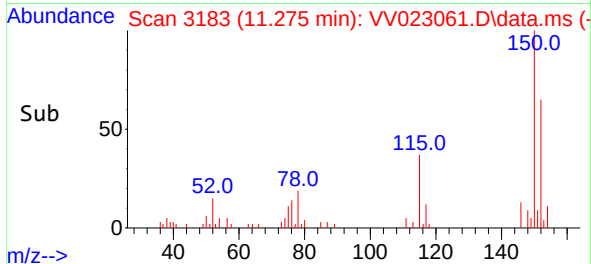
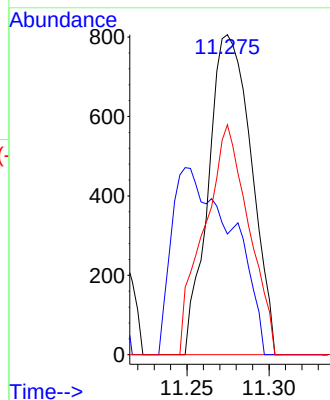
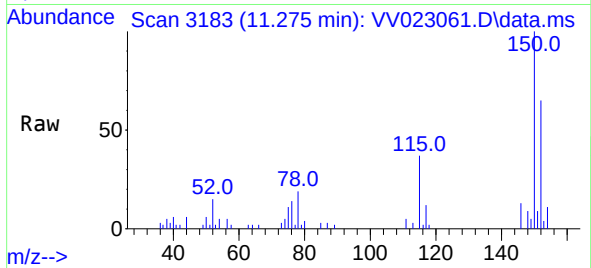




#65
1,4-Dichlorobenzene
Concen: 0.091 ug/L
RT: 11.275 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

Tgt Ion:	146	Resp:	1468
Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.2	48.8
148	71.8	44.4	82.5



#67
1,2-Dichlorobenzene
Concen: 0.135 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. -0.000 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Tgt Ion:	146	Resp:	1992
Ion	Ratio	Lower	Upper
146	100		
111	56.4	31.6	47.4#
148	61.4	51.0	76.6

