

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102721\
 Data File : VW023061.D
 Acq On : 27 Oct 2021 16:22
 Operator : SY/MD
 Sample : M4277-06
 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	
3) Chloromethane	1.240	50	646	0.071	ug/L #	77
5) Vinyl chloride	1.310	62	3563	0.378	ug/L #	81
8) Chloroethane	1.584	64	672	0.136	ug/L #	71
12) 1,1-Dichloroethene	2.114	96	797	0.117	ug/L #	1
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
27) 1,2-Dichloroethane	5.149	62	806	0.086	ug/L #	72
34) Trichloroethene	5.918	95	34320	3.836	ug/L	100
35) Methylcyclohexane	6.069	83	14597	1.139	ug/L #	18
39) cis-1,3-Dichloropropene	6.989	75	1415	0.127	ug/L #	33
42) Toluene	7.391	91	120933	3.351	ug/L	98
45) 1,1,2-Trichloroethane	7.979	97	1024	0.163	ug/L #	1
47) Tetrachloroethene	7.976	164	111699	14.777	ug/L	98
48) 2-Hexanone	8.143	43	6950	2.215	ug/L #	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102721\
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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
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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

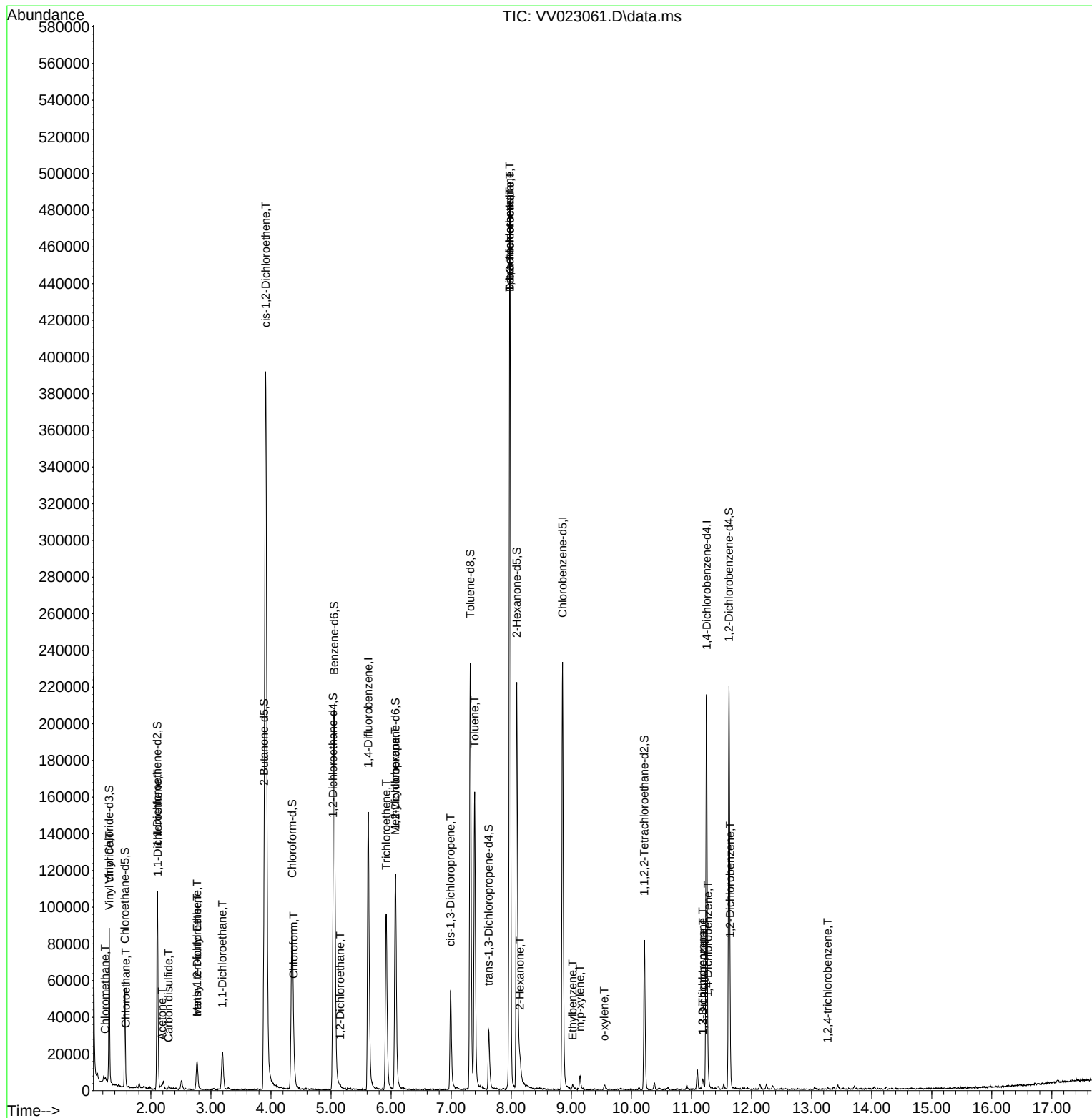
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.976	129	99005	13.250	ug/L #	10
52) Ethylbenzene	9.021	91	2043	0.057	ug/L #	82
53) m,p-xylene	9.143	106	2131	0.148	ug/L	96
54) o-xylene	9.551	106	815	0.060	ug/L	96
61) 1,2,3-Trichloropropane	11.188	75	724	0.172	ug/L #	52
64) 1,3-Dichlorobenzene	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
70) 1,2,4-trichlorobenzene	13.268	180	469	0.052	ug/L #	74

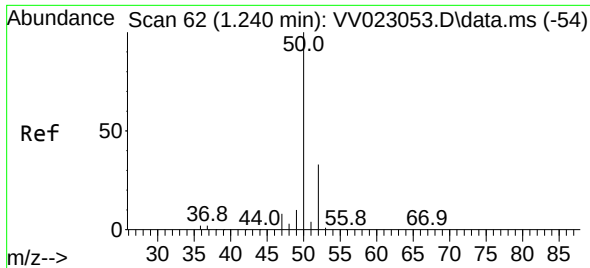
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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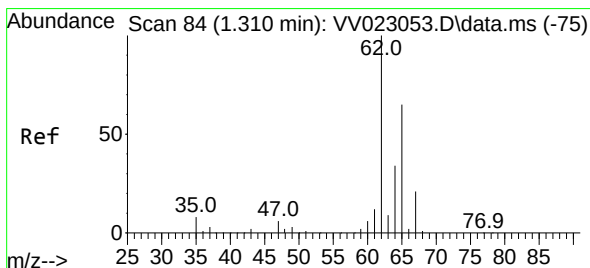
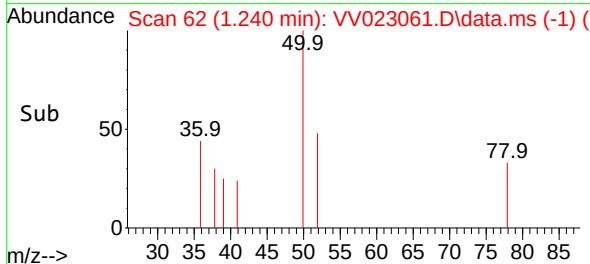
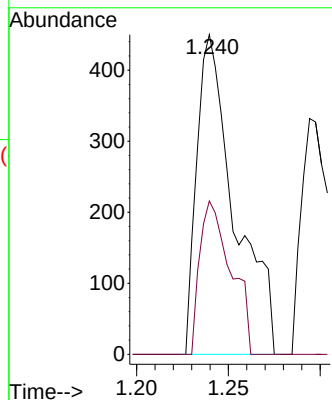
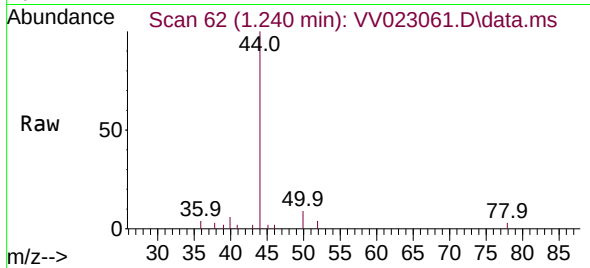




#3
Chloromethane
Concen: 0.071 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

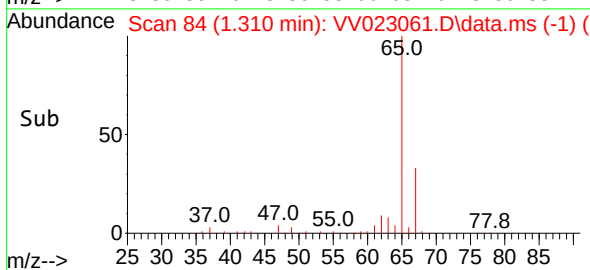
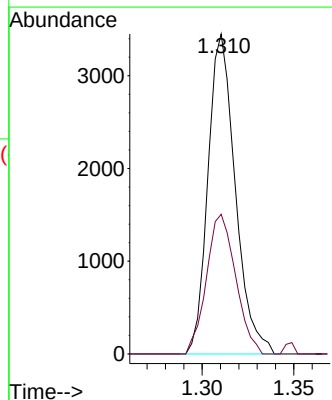
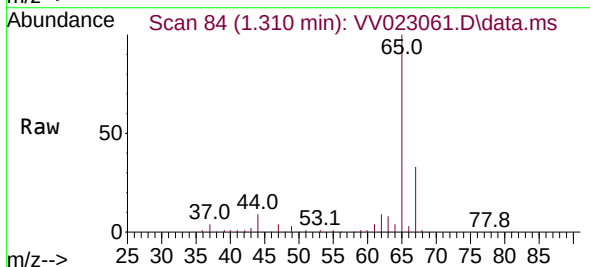
Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

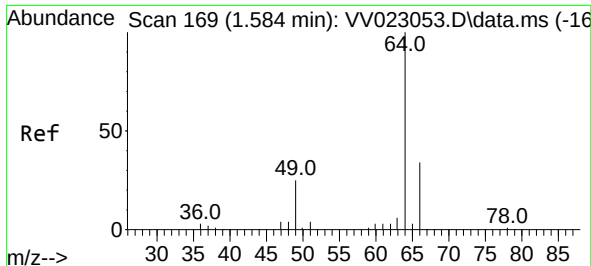
Tgt Ion: 50 Resp: 646
Ion Ratio Lower Upper
50 100
52 48.0 24.3 45.1#



#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

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

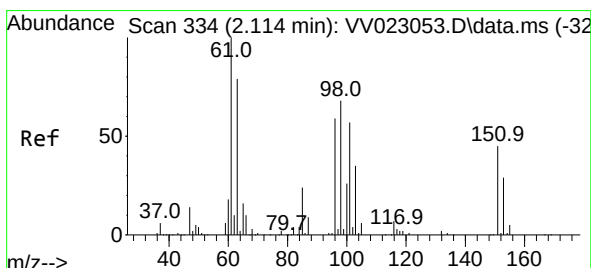
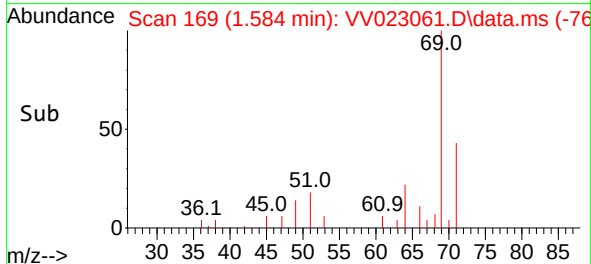
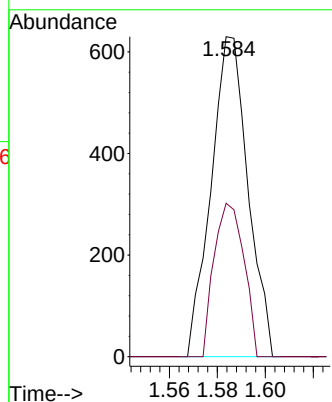
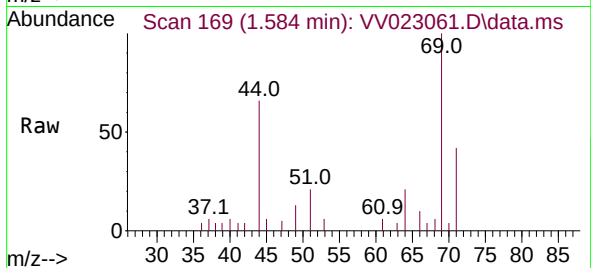




#8
Chloroethane
Concen: 0.136 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

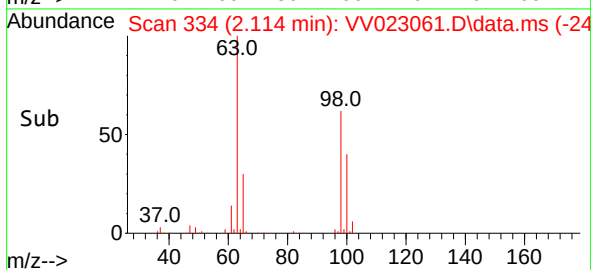
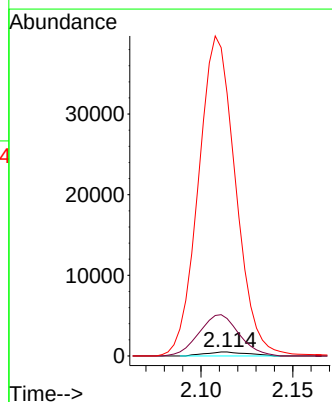
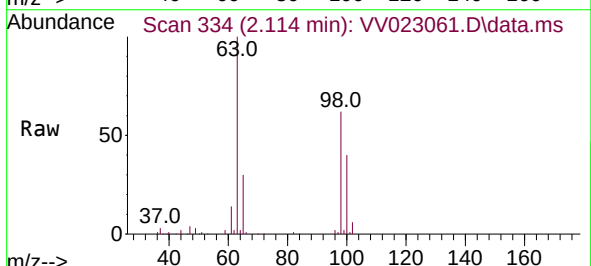
Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

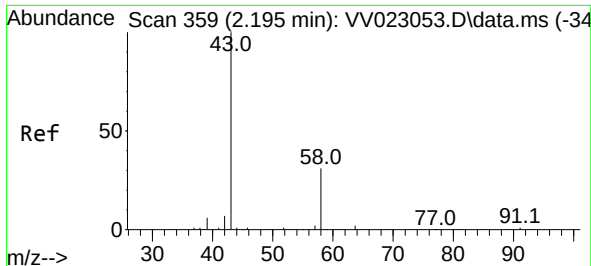
Tgt Ion: 64 Resp: 672
Ion Ratio Lower Upper
64 100
66 47.9 22.1 41.1#



#12
1,1-Dichloroethene
Concen: 0.117 ug/L
RT: 2.114 min Scan# 334
Delta R.T. -0.000 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Tgt Ion: 96 Resp: 797
Ion Ratio Lower Upper
96 100
61 925.1 121.5 225.7#
63 6492.4 99.6 185.0#

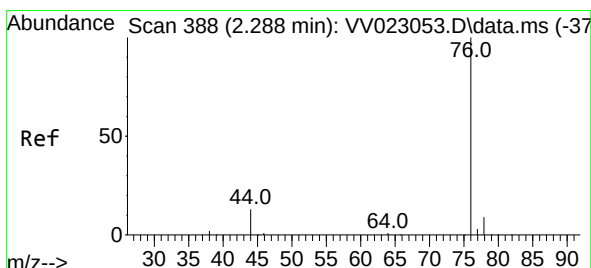
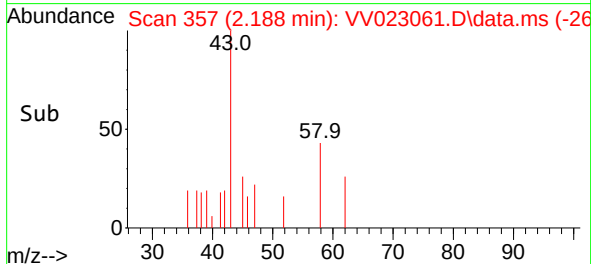
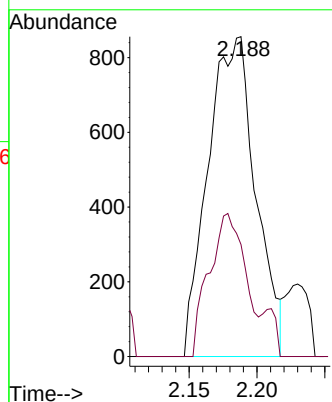
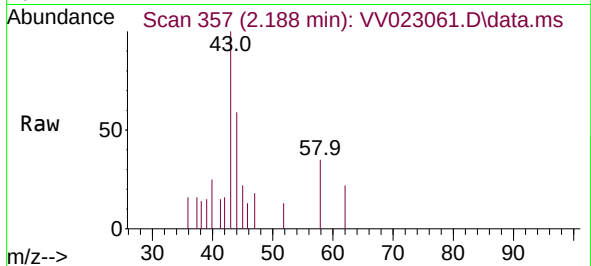




#13
Acetone
Concen: 2.285 ug/L
RT: 2.188 min Scan# 31
Delta R.T. -0.006 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

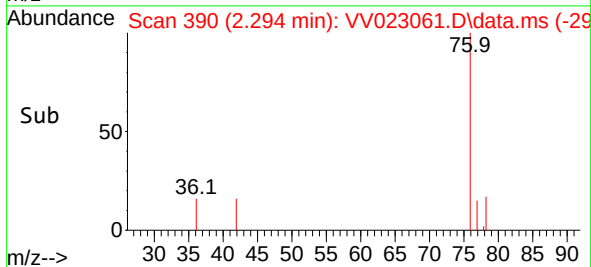
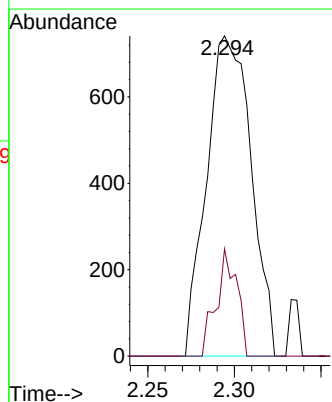
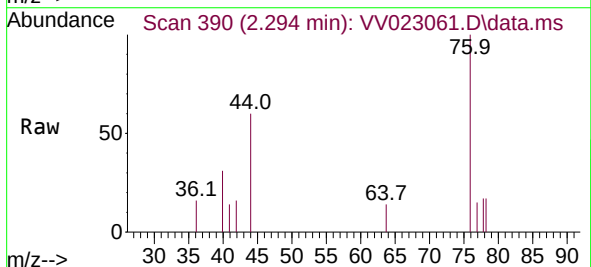
Instrument :
MSVOA_V
ClientSampleId :
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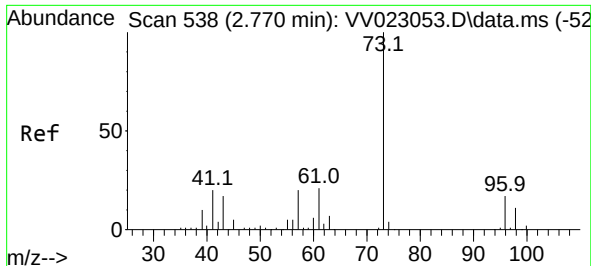
Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
58 34.0 0.0 55.4



#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

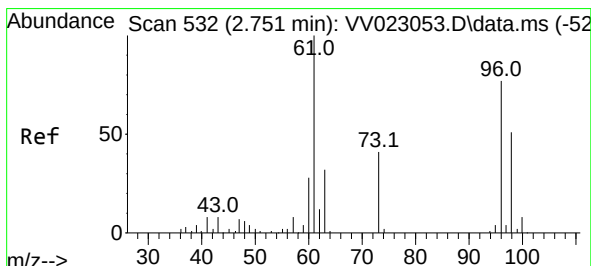
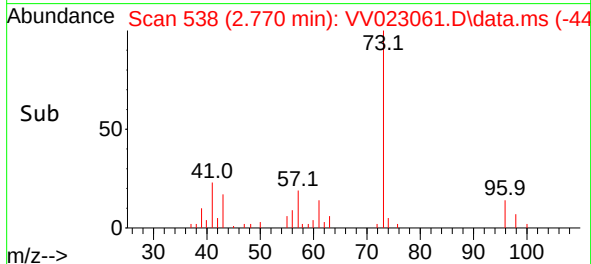
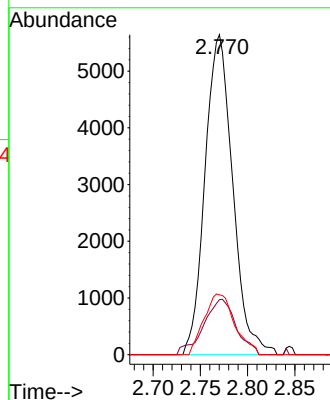
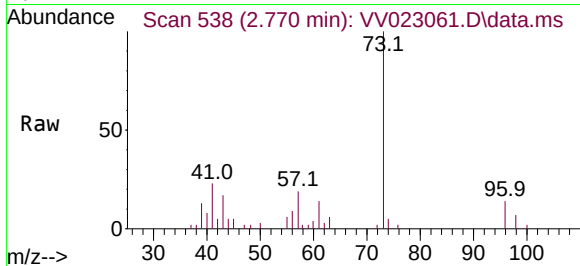
Tgt Ion: 73 Resp: 11507

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

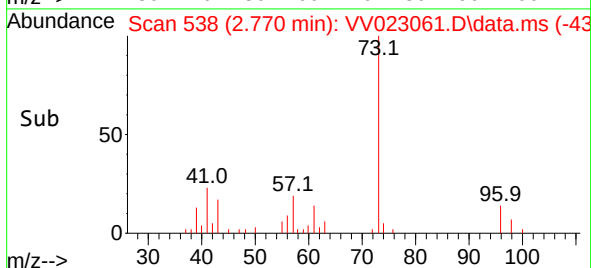
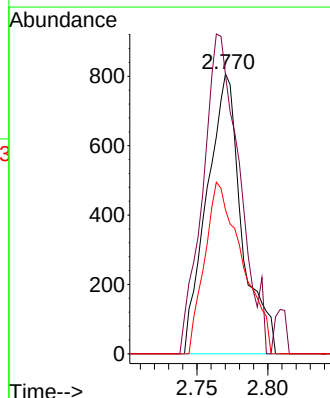
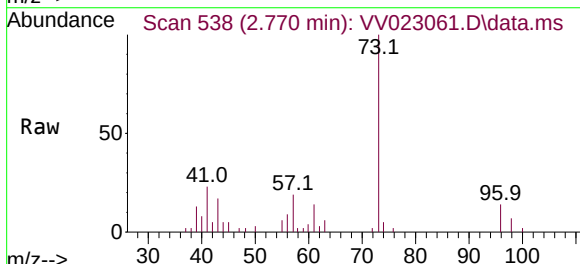
Tgt Ion: 96 Resp: 1386

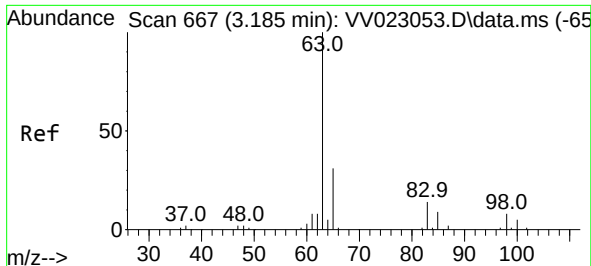
Ion Ratio Lower Upper

96 100

61 99.8 93.2 173.2

98 51.4 47.0 87.2

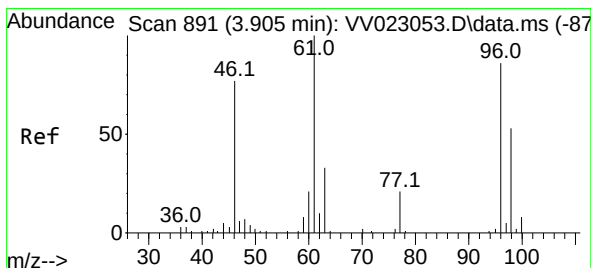
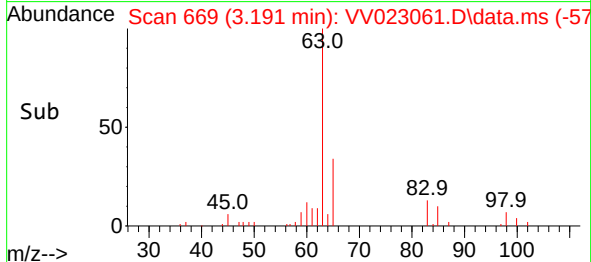
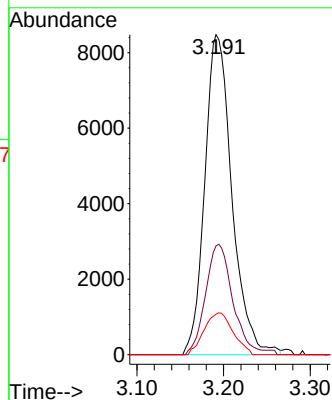
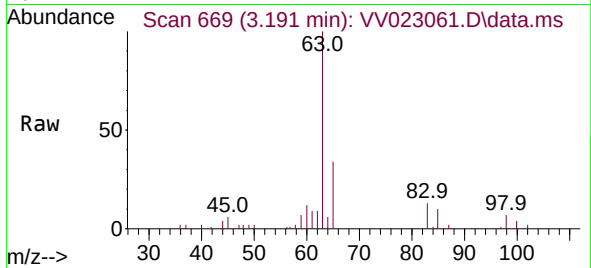




#19
1,1-Dichloroethane
Concen: 1.382 ug/L
RT: 3.191 min Scan# 619
Delta R.T. 0.006 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

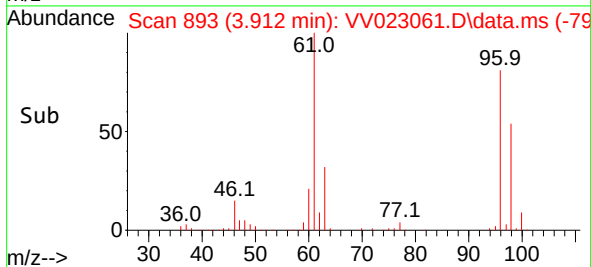
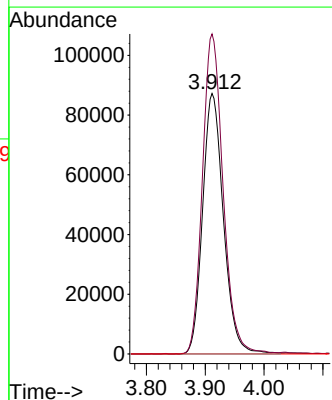
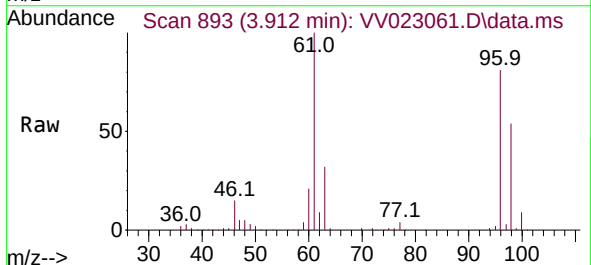
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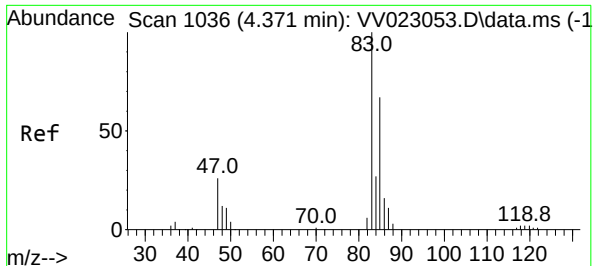
Tgt Ion: 63 Resp: 18487
Ion Ratio Lower Upper
63 100
65 34.0 22.6 42.0
83 12.6 11.1 20.7



#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#





#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 :

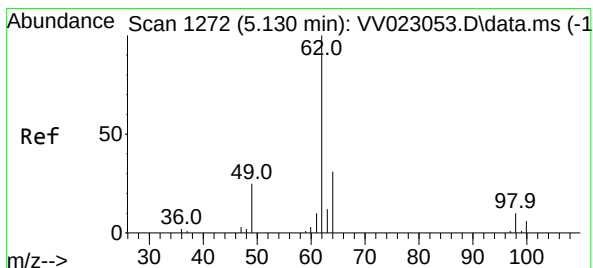
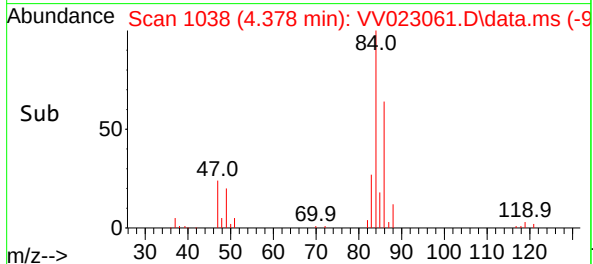
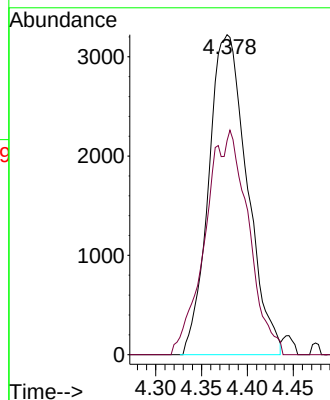
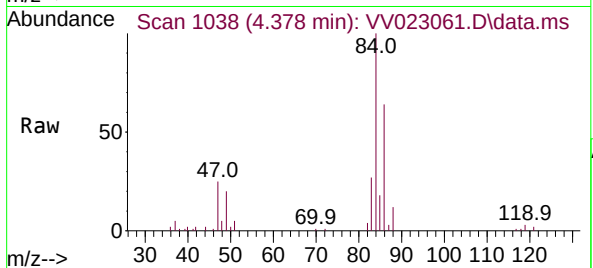
BFGB2RE

Tgt Ion: 83 Resp: 9402

Ion Ratio Lower Upper

83 100

85 66.9 46.8 86.8



#27

1,2-Dichloroethane

Concen: 0.086 ug/L

RT: 5.149 min Scan# 1278

Delta R.T. 0.019 min

Lab File: VV023061.D

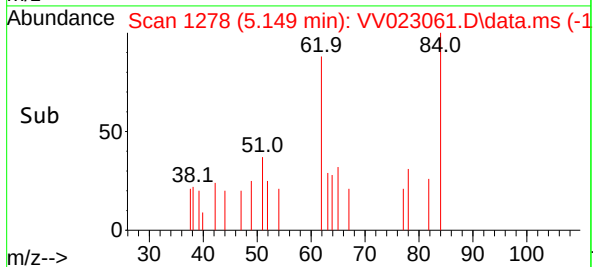
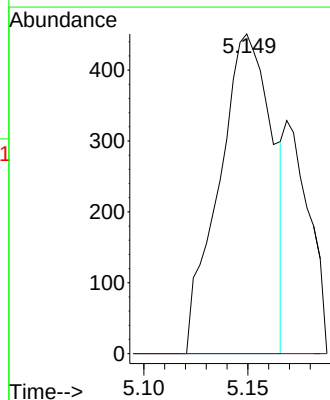
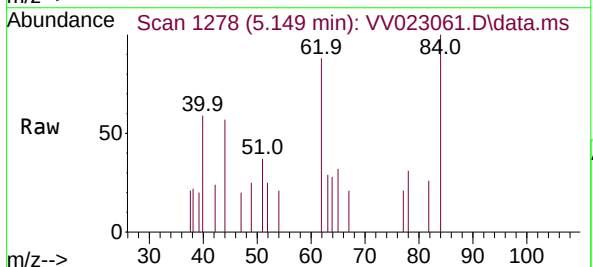
Acq: 27 Oct 2021 16:22

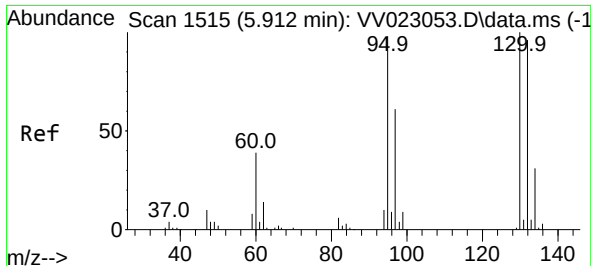
Tgt Ion: 62 Resp: 806

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



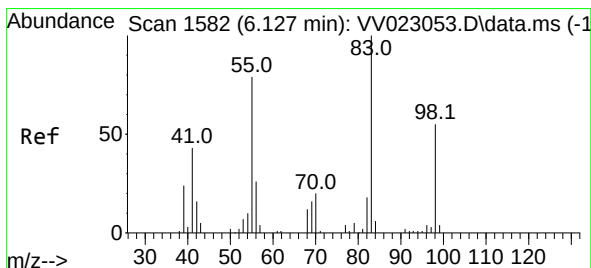
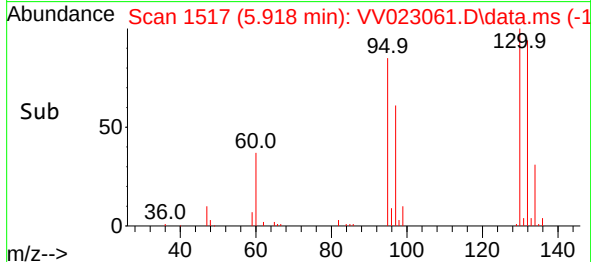
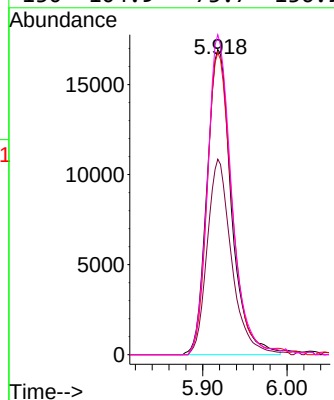
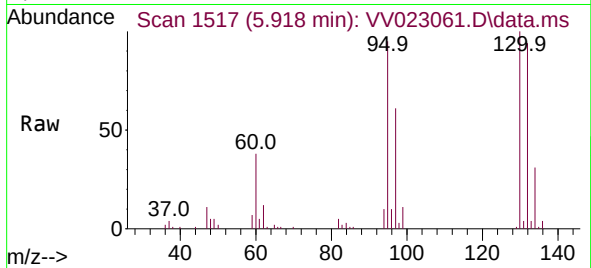


#34
Trichloroethene
Concen: 3.836 ug/L
RT: 5.918 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

Tgt Ion: 95 Resp: 34320

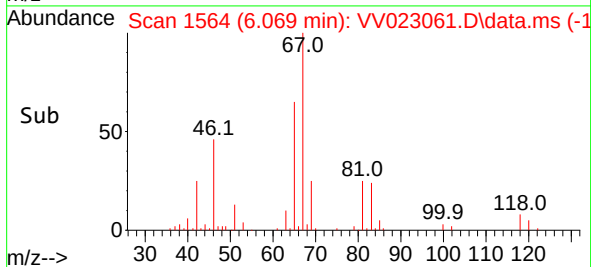
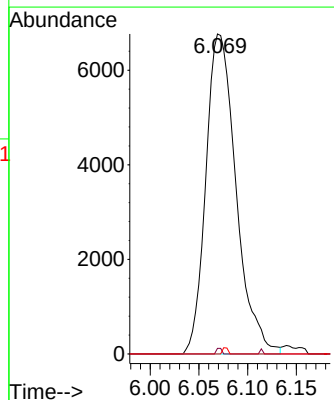
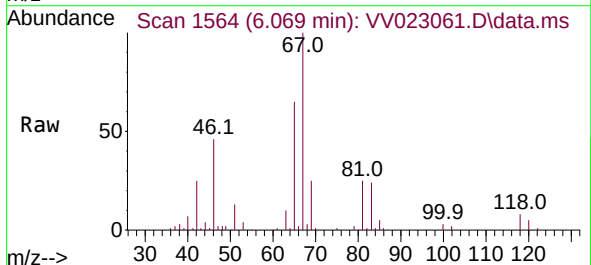
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.0	83.6
132	99.1	69.7	129.4
130	104.9	73.7	136.9

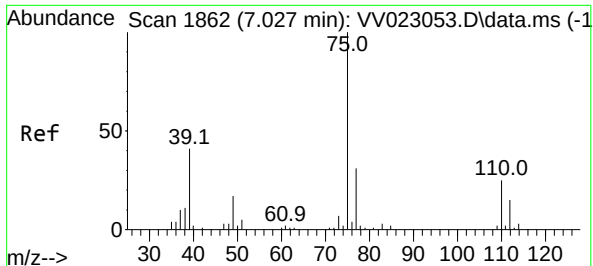


#35
Methylcyclohexane
Concen: 1.139 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Tgt Ion: 83 Resp: 14597

Ion	Ratio	Lower	Upper
83	100		
55	0.3	62.8	94.2#
98	0.3	37.9	56.9#





#39

cis-1,3-Dichloropropene

Concen: 0.127 ug/L

RT: 6.989 min Scan# 1862

Delta R.T. -0.039 min

Lab File: VV023061.D

Acq: 27 Oct 2021 16:22

Instrument :

MSVOA_V

ClientSampleId :

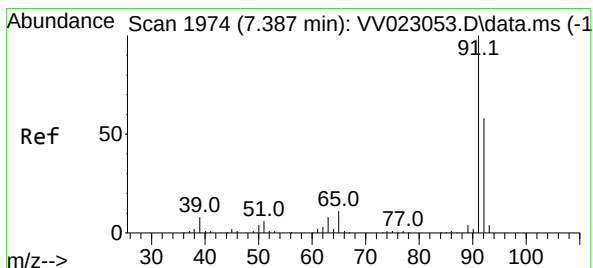
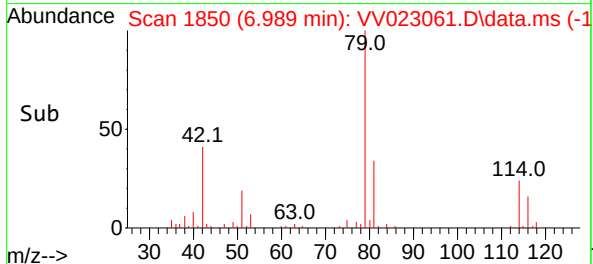
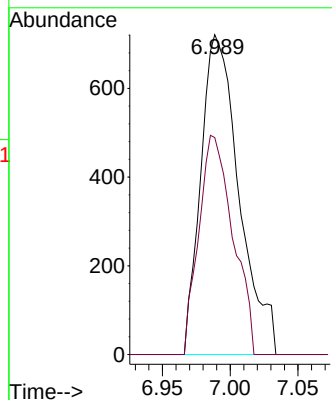
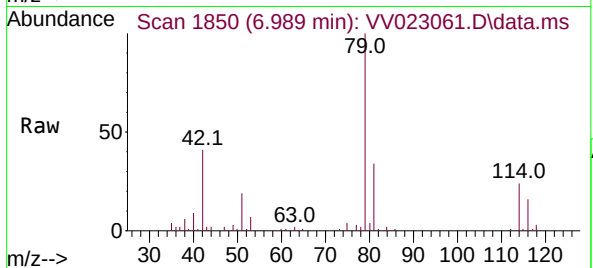
BFGB2RE

Tgt Ion: 75 Resp: 1415

Ion Ratio Lower Upper

75 100

77 67.8 21.6 40.2#



#42

Toluene

Concen: 3.351 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV023061.D

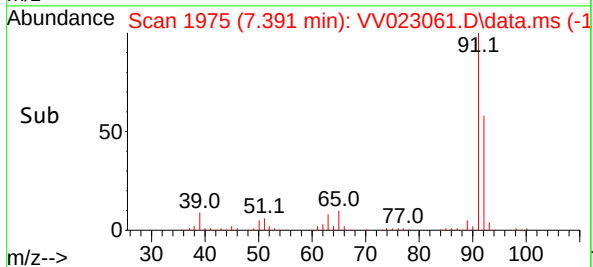
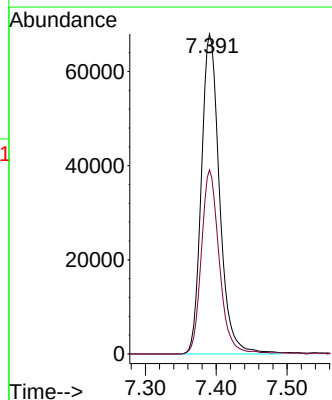
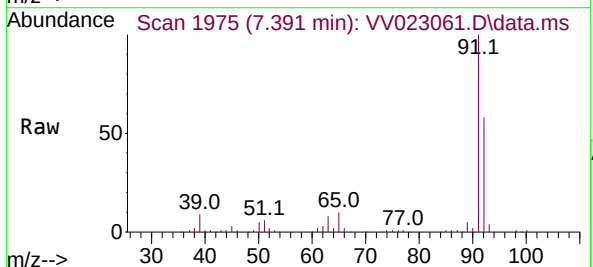
Acq: 27 Oct 2021 16:22

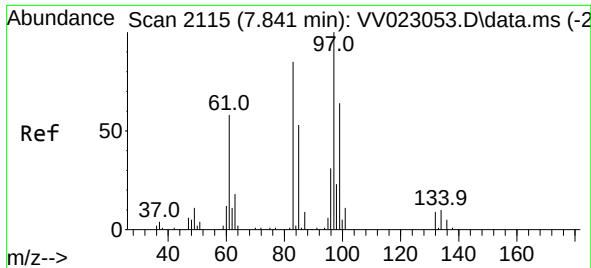
Tgt Ion: 91 Resp: 120933

Ion Ratio Lower Upper

91 100

92 57.6 39.3 72.9

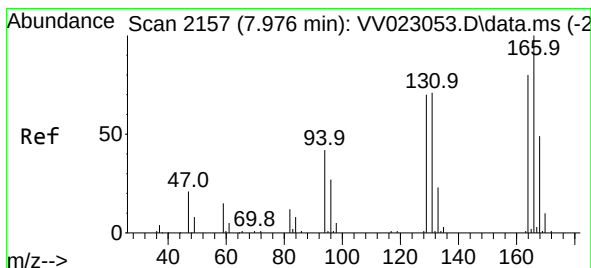
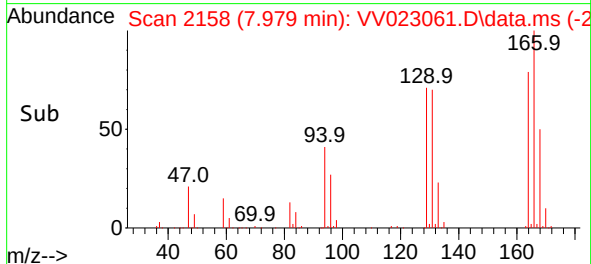
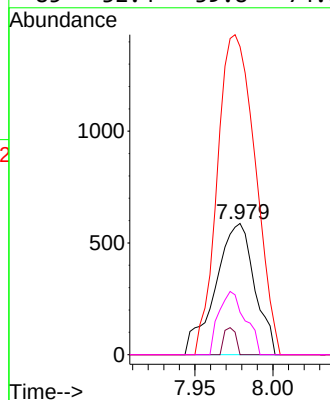
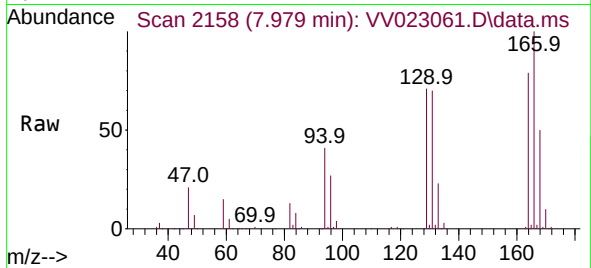




#45
1,1,2-Trichloroethane
Concen: 0.163 ug/L
RT: 7.979 min Scan# 2115
Delta R.T. 0.138 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

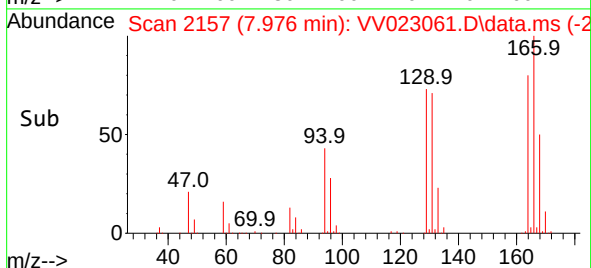
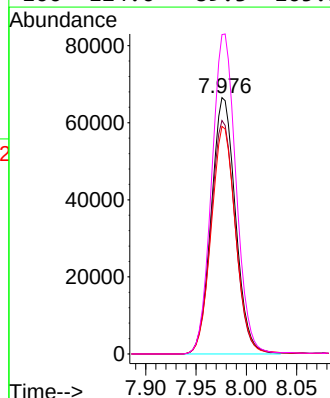
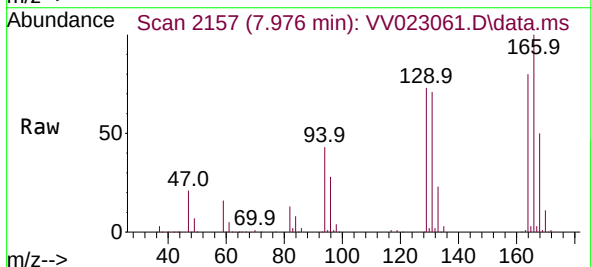
Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

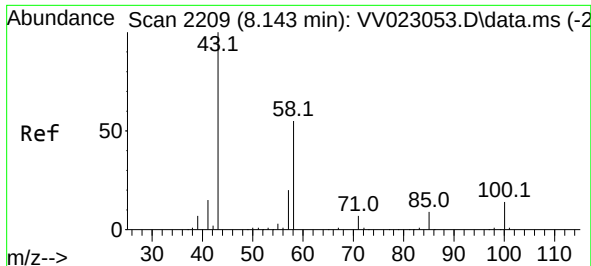
Tgt Ion: 97 Resp: 1024
Ion Ratio Lower Upper
97 100
99 0.0 43.6 81.0#
83 234.8 58.4 108.4#
85 32.4 39.8 74.0#



#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

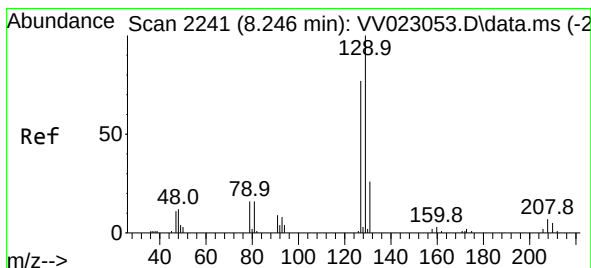
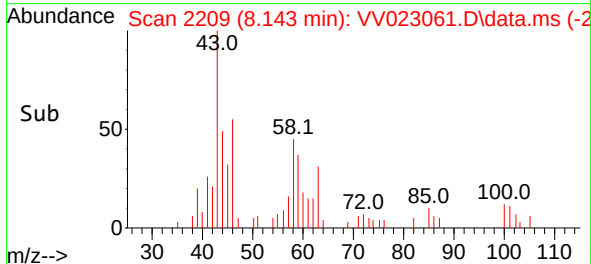
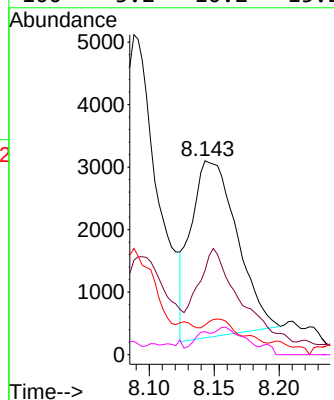
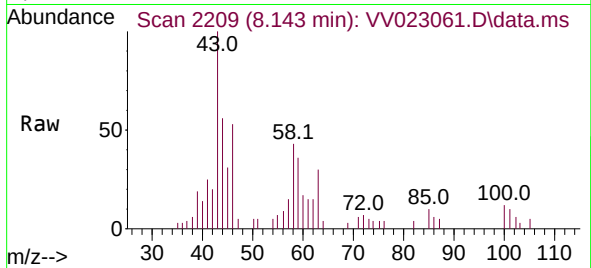




#48
2-Hexanone
Concen: 2.215 ug/L
RT: 8.143 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

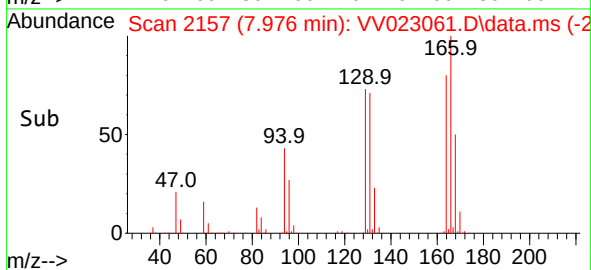
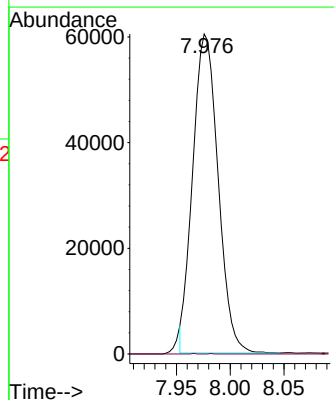
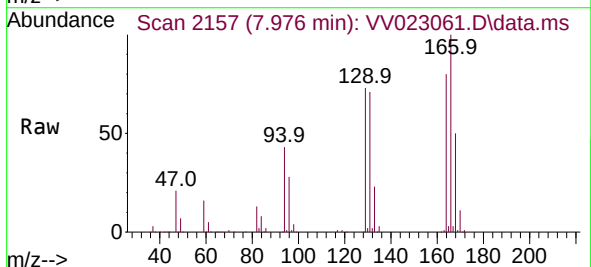
Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

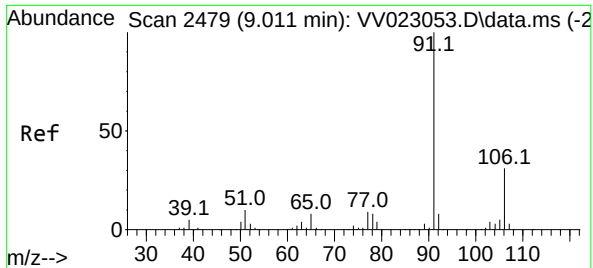
Tgt Ion: 43	Resp:	6950
Ion Ratio	Lower	Upper
43	100	
58	51.7	43.7 65.5
57	9.0	14.1 21.1#
100	3.2	10.2 15.2#



#49
Dibromochloromethane
Concen: 13.250 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Tgt Ion: 129	Resp:	99005
Ion Ratio	Lower	Upper
129	100	
127	0.0	54.7 101.7#

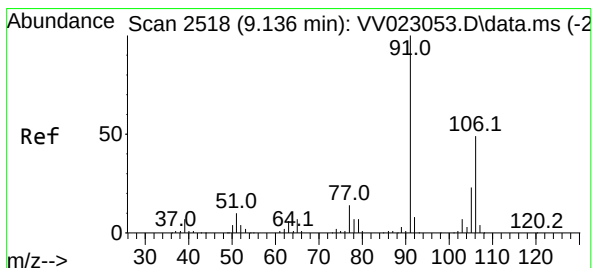
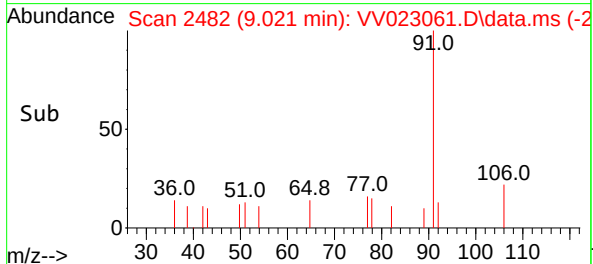
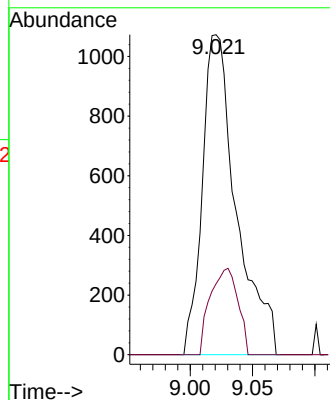
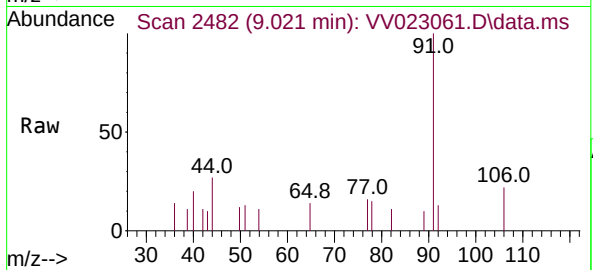




#52
Ethylbenzene
Concen: 0.057 ug/L
RT: 9.021 min Scan# 2479
Delta R.T. 0.010 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

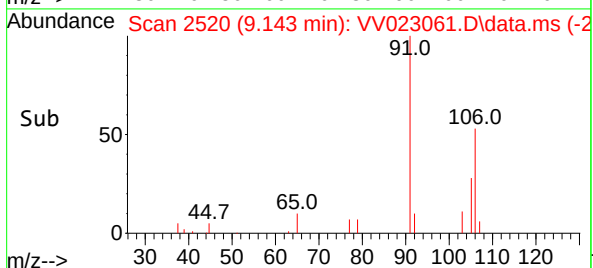
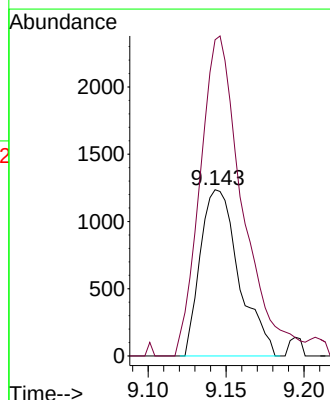
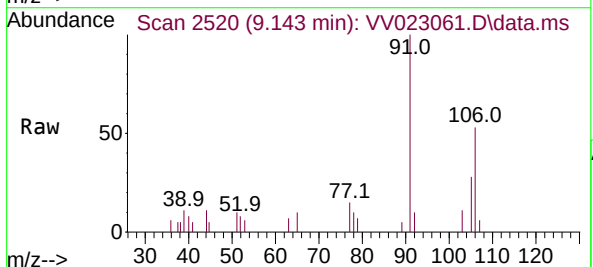
Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

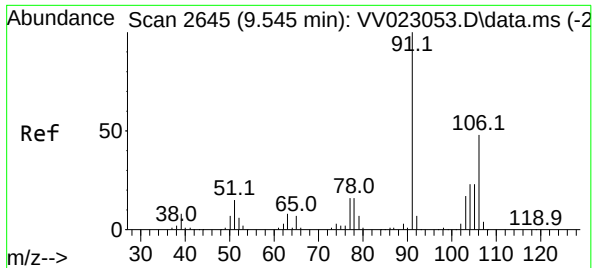
Tgt Ion: 91 Resp: 2043
Ion Ratio Lower Upper
91 100
106 22.2 22.5 41.9#



#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

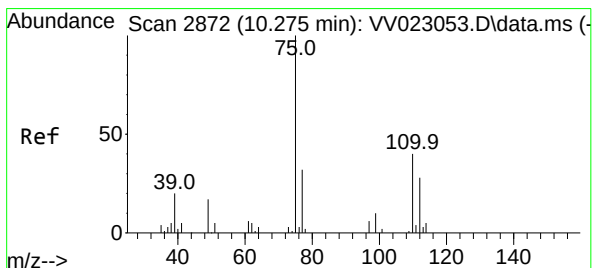
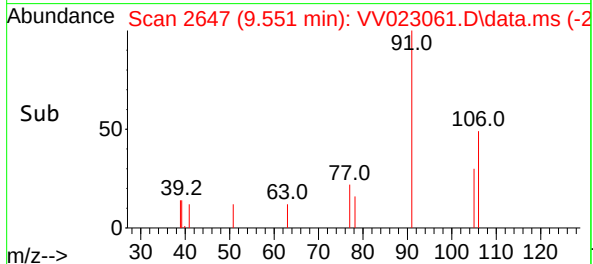
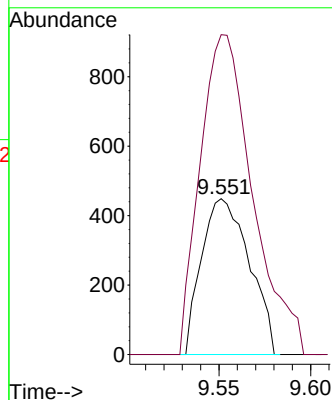
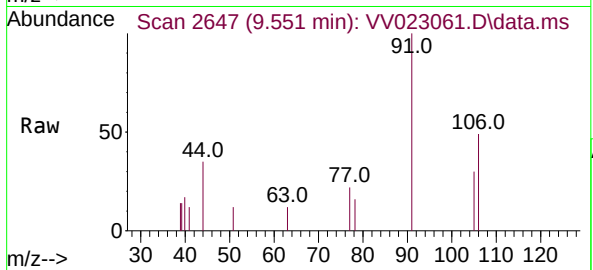




#54
o-xylene
Concen: 0.060 ug/L
RT: 9.551 min Scan# 20
Delta R.T. 0.006 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

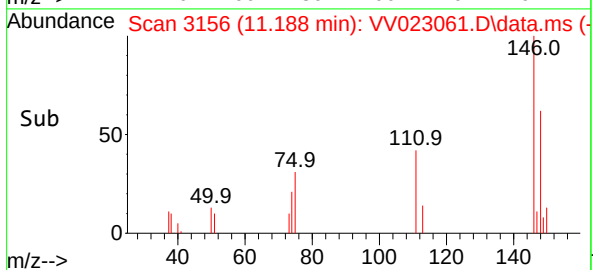
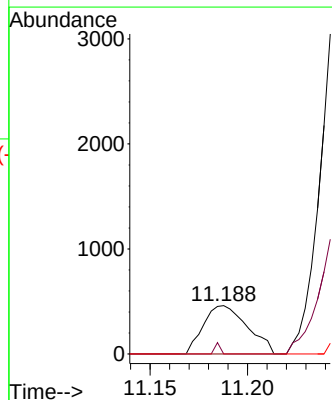
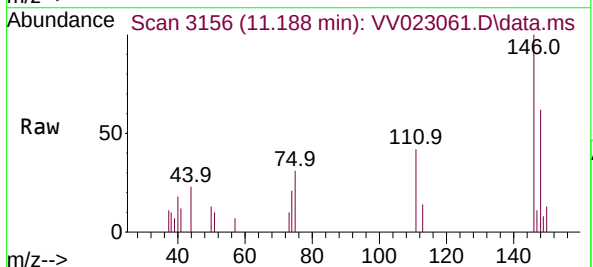
Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

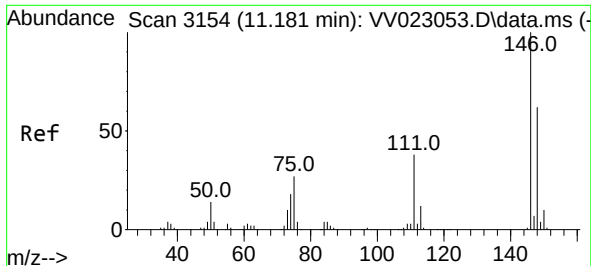
Tgt Ion:106 Resp: 815
Ion Ratio Lower Upper
106 100
91 205.1 148.3 275.5



#61
1,2,3-Trichloropropane
Concen: 0.172 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.913 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Tgt Ion: 75 Resp: 724
Ion Ratio Lower Upper
75 100
77 17.0 26.6 39.8#
110 0.0 31.8 47.6#

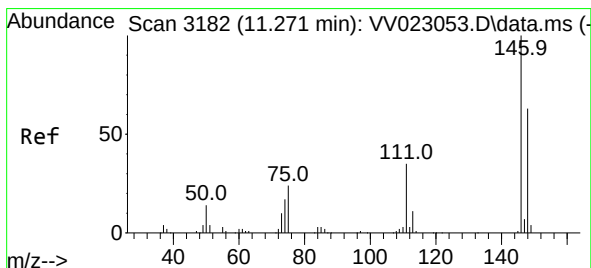
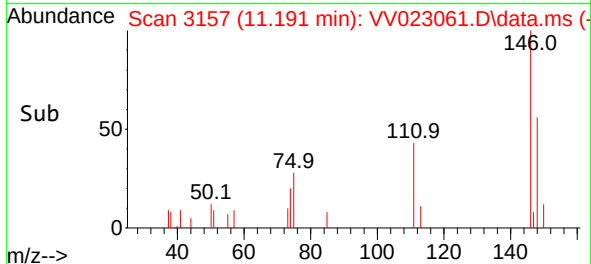
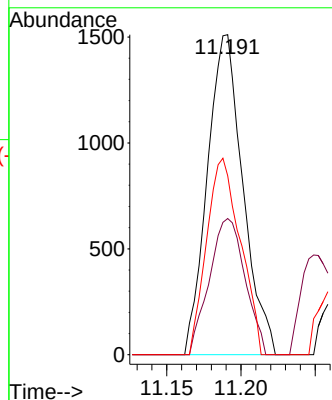
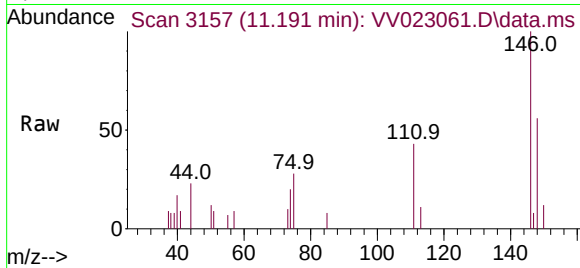




#64
1,3-Dichlorobenzene
Concen: 0.158 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.010 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

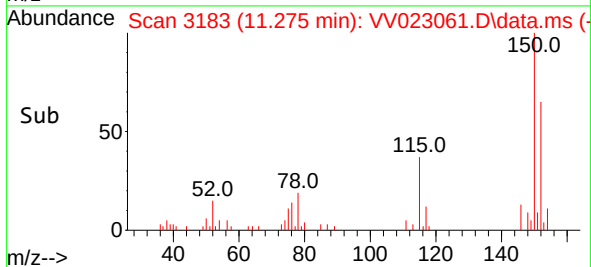
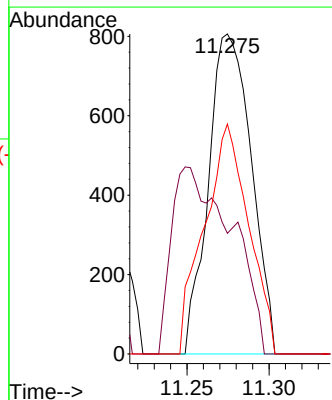
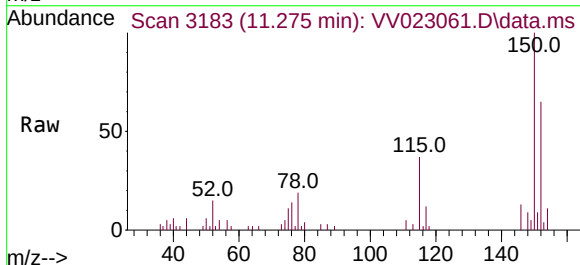
Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

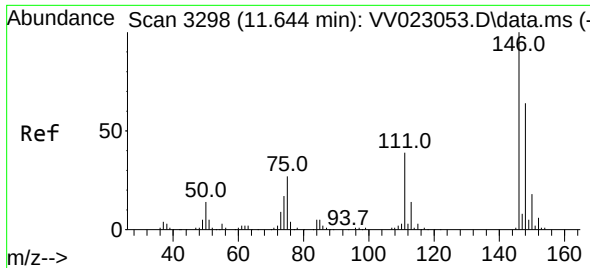
Tgt Ion:146 Resp: 2517
Ion Ratio Lower Upper
146 100
111 42.6 26.7 49.7
148 55.9 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 0.091 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

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

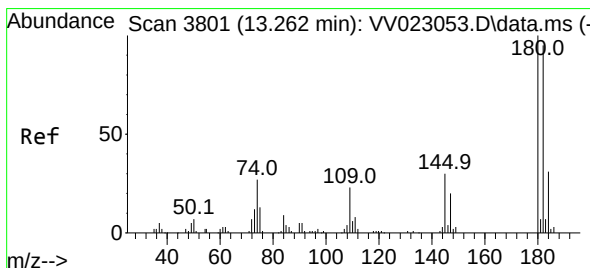
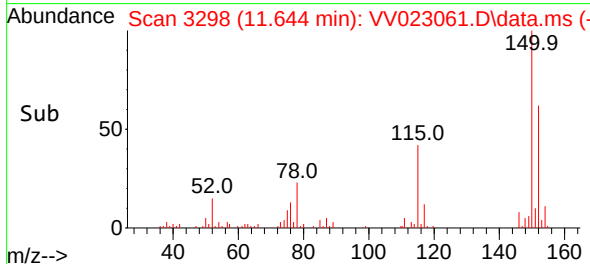
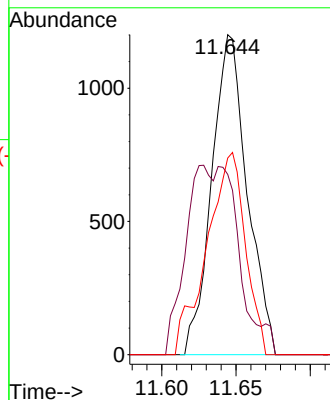
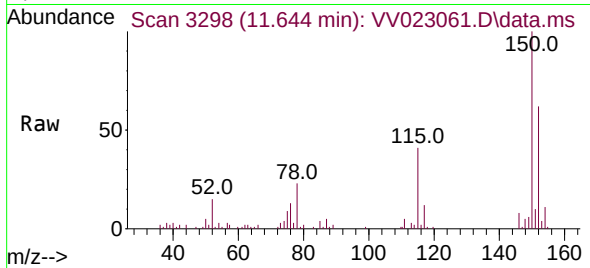




#67
1,2-Dichlorobenzene
Concen: 0.135 ug/L
RT: 11.644 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Instrument :
MSVOA_V
ClientSampleId :
BFGB2RE

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



#70
1,2,4-trichlorobenzene
Concen: 0.052 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.006 min
Lab File: VV023061.D
Acq: 27 Oct 2021 16:22

Tgt Ion:180 Resp: 469
Ion Ratio Lower Upper
180 100
182 80.2 76.9 115.3
145 0.0 24.4 36.6#

