

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023046.D
 Acq On : 26 Oct 2021 18:27
 Operator : SY/MD
 Sample : M4277-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGE2

Quant Time: Oct 27 01:35:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	128882	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	130033	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54724	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	50620	4.495	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.800%
7) Chloroethane-d5	1.568	69	34623	4.970	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.108	63	53429	3.289	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.800%
20) 2-Butanone-d5	3.886	46	103419	57.246	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.500%
24) Chloroform-d	4.352	84	91746	5.011	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	5.034	65	45127	5.229	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.600%
32) Benzene-d6	5.053	84	191921	5.055	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
36) 1,2-Dichloropropane-d6	6.069	67	60296	5.159	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.200%
41) Toluene-d8	7.317	98	161663	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	7.625	79	19790	4.833	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.600%
46) 2-Hexanone-d5	8.088	63	70567	46.549	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.100%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39248	4.864	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	59443	6.088	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.800%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	476	0.054	ug/L	90
5) Vinyl chloride	1.310	62	408	0.045	ug/L #	1
6) Bromomethane	1.529	94	279	0.060	ug/L #	60
13) Acetone	2.175	43	84848	95.728	ug/L	92
15) Methyl Acetate	2.336	43	3395	1.007	ug/L #	47
17) Methyl tert-butyl Ether	2.773	73	1605	0.102	ug/L #	84
22) cis-1,2-Dichloroethene	3.918	96	15292	1.915	ug/L #	92
25) Chloroform	4.378	83	9976	0.583	ug/L	99
34) Trichloroethene	5.928	95	3231	0.368	ug/L	97
35) Methylcyclohexane	6.072	83	14643	1.163	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	6371	0.722	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1485	0.135	ug/L #	60
42) Toluene	7.397	91	6646	0.187	ug/L	94
47) Tetrachloroethene	7.979	164	15843	2.133	ug/L	93
48) 2-Hexanone	8.153	43	5935	1.926	ug/L #	78
49) Dibromochloromethane	7.976	129	13146	1.791	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6221	1.615	ug/L #	65

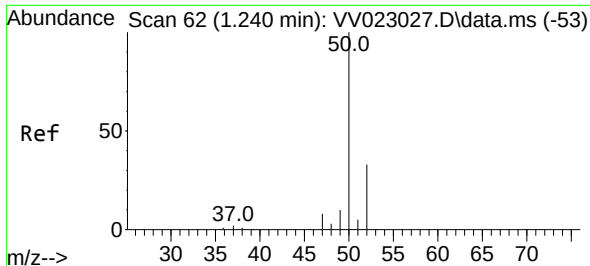
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102621\
Data File : VV023046.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 27 01:29:33 2021
Response via : Initial Calibration

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

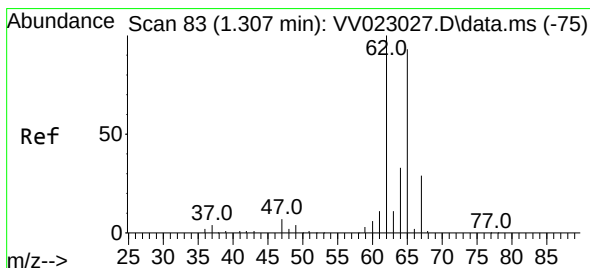
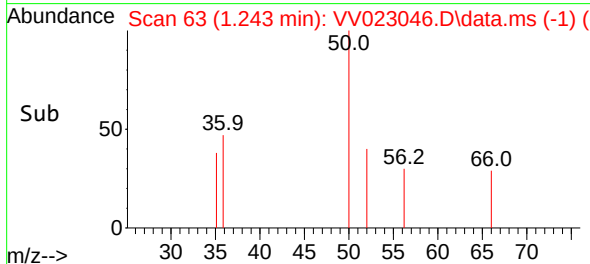
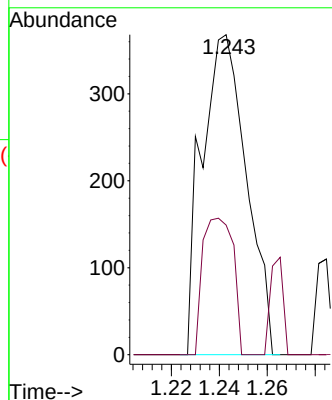
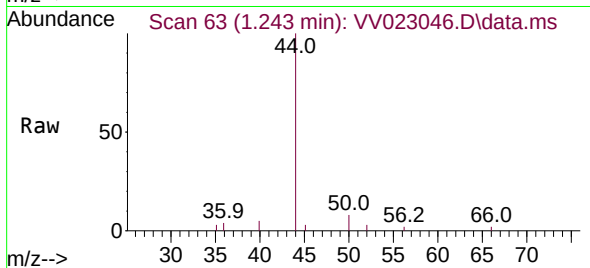
(#)=qualifier out of range (m)=manual integration (+)=signals summed						



#3
Chloromethane
Concen: 0.054 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

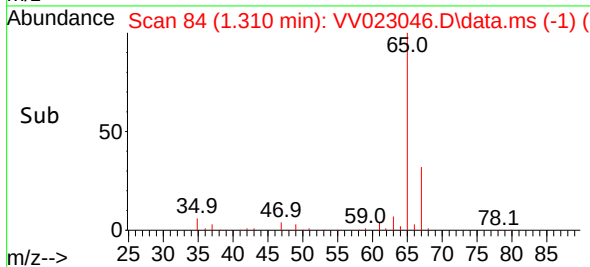
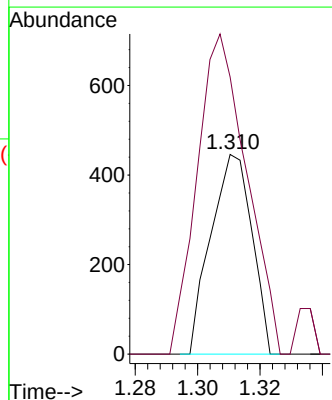
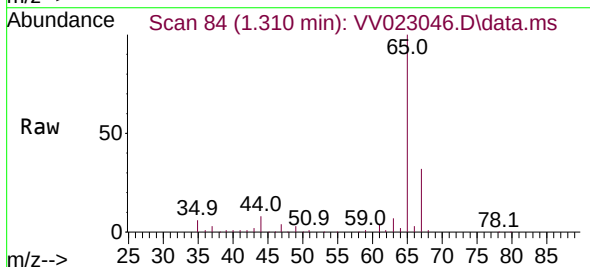
Instrument :
MSVOA_V
ClientSampleId :
BFGE2

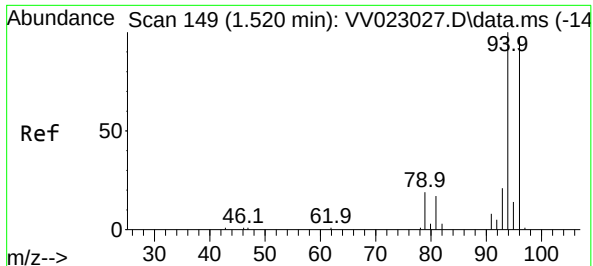
Tgt Ion: 50 Resp: 476
Ion Ratio Lower Upper
50 100
52 40.5 24.3 45.1



#5
Vinyl chloride
Concen: 0.045 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

Tgt Ion: 62 Resp: 408
Ion Ratio Lower Upper
62 100
64 138.8 23.1 42.9#

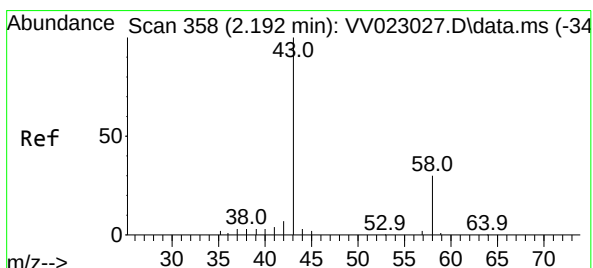
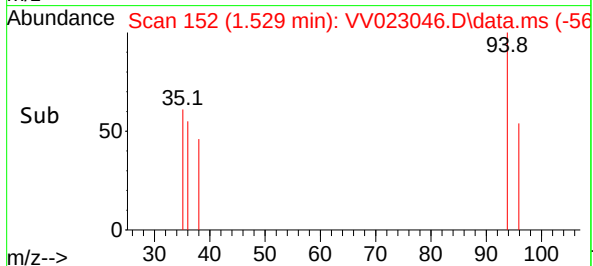
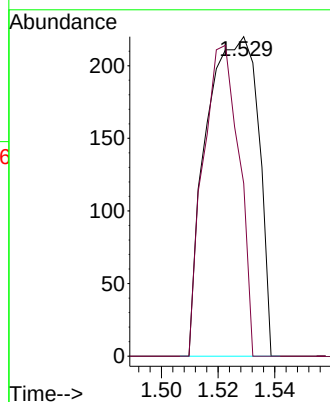
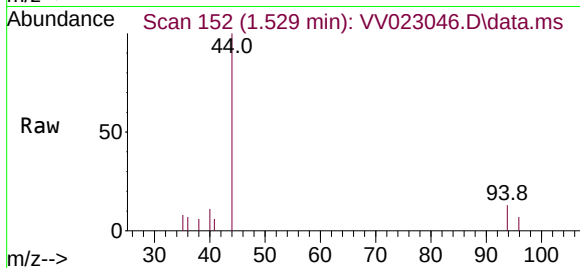




#6
Bromomethane
Concen: 0.060 ug/L
RT: 1.529 min Scan# 11
Delta R.T. 0.009 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

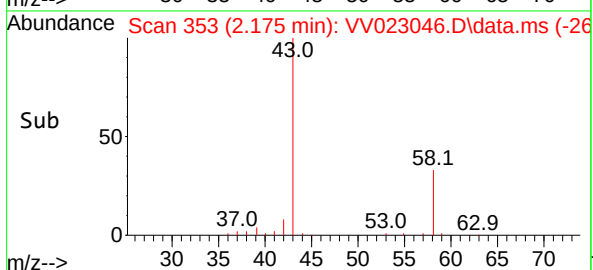
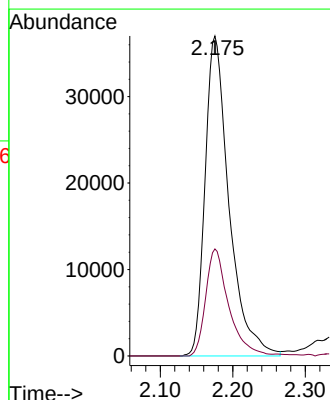
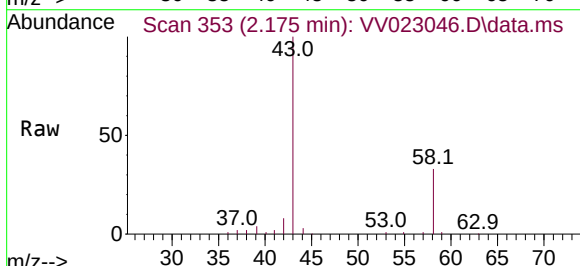
Instrument :
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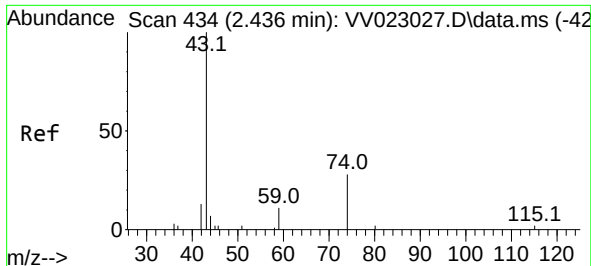
Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 54.1 65.0 120.8#



#13
Acetone
Concen: 95.728 ug/L
RT: 2.175 min Scan# 353
Delta R.T. -0.016 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

Tgt Ion: 43 Resp: 84848
Ion Ratio Lower Upper
43 100
58 32.1 0.0 55.4

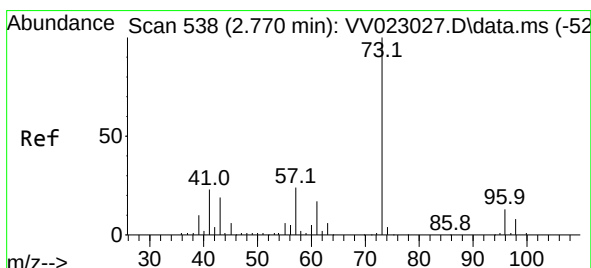
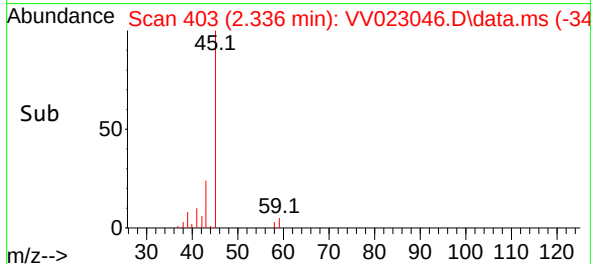
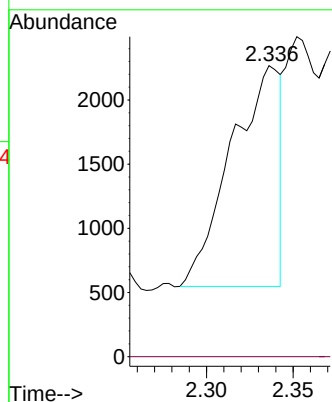
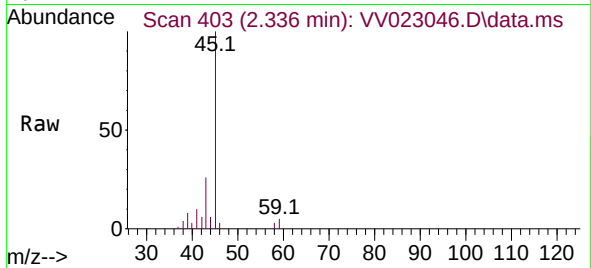




#15
Methyl Acetate
Concen: 1.007 ug/L
RT: 2.336 min Scan# 403
Delta R.T. -0.100 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

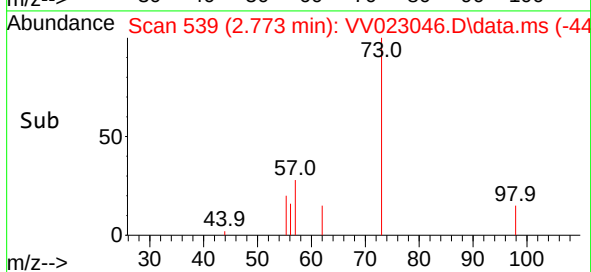
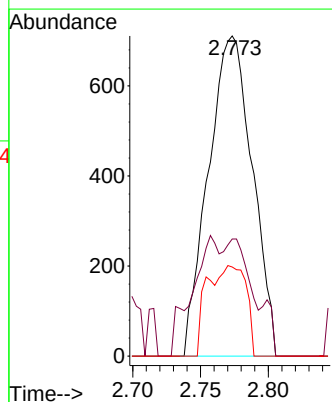
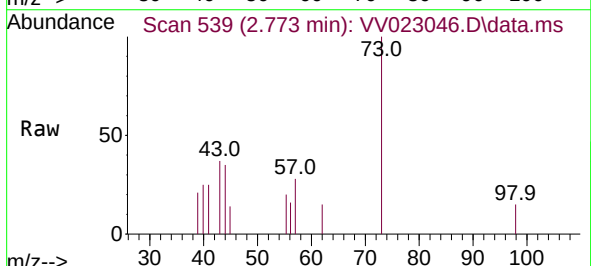
Instrument :
MSVOA_V
ClientSampleId :
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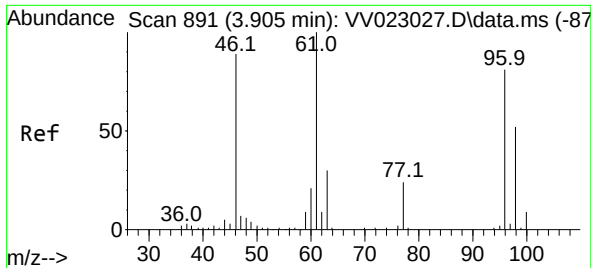
Tgt Ion: 43 Resp: 3395
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#17
Methyl tert-butyl Ether
Concen: 0.102 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.003 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

Tgt Ion: 73 Resp: 1605
Ion Ratio Lower Upper
73 100
43 10.3 17.4 26.0#
57 17.2 16.5 24.7

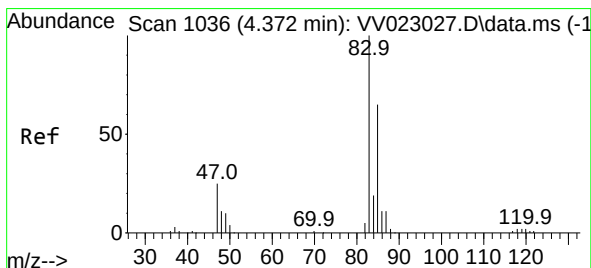
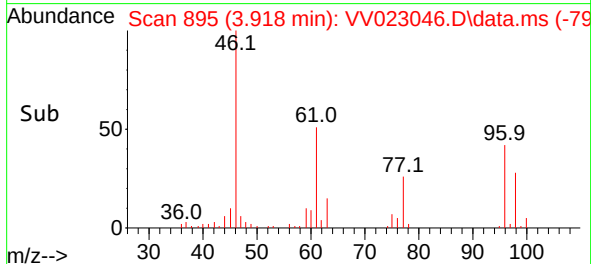
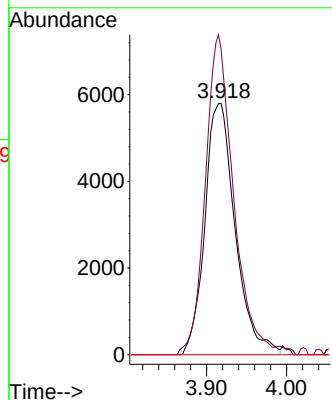
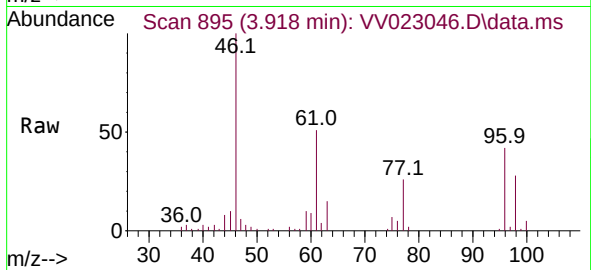




#22
 cis-1,2-Dichloroethene
 Concen: 1.915 ug/L
 RT: 3.918 min Scan# 891
 Delta R.T. 0.013 min
 Lab File: VV023046.D
 Acq: 26 Oct 2021 18:27

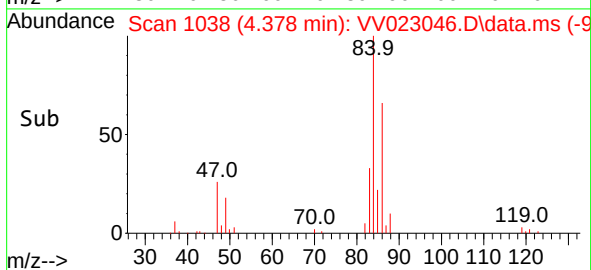
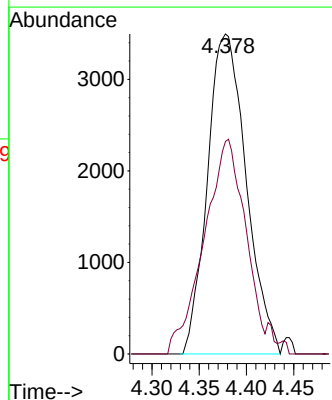
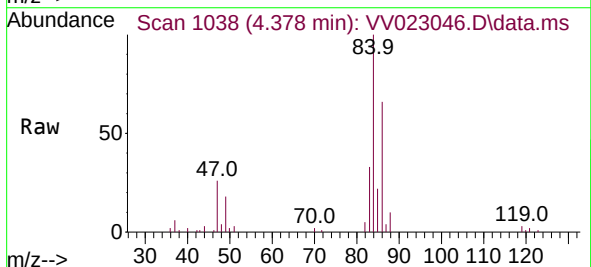
Instrument :
 MSVOA_V
 ClientSampleId :
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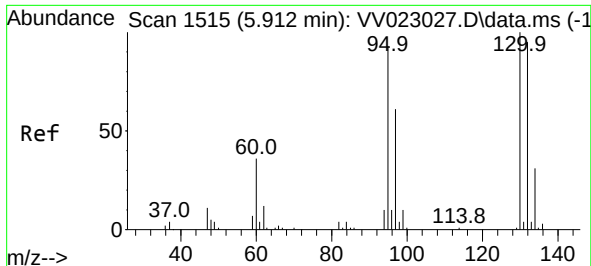
Tgt Ion: 96 Resp: 15292
 Ion Ratio Lower Upper
 96 100
 61 121.8 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.583 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. 0.006 min
 Lab File: VV023046.D
 Acq: 26 Oct 2021 18:27

Tgt Ion: 83 Resp: 9976
 Ion Ratio Lower Upper
 83 100
 85 66.4 46.8 86.8



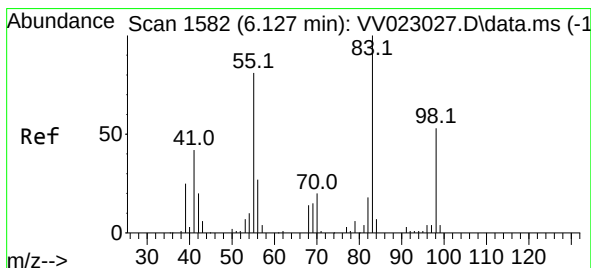
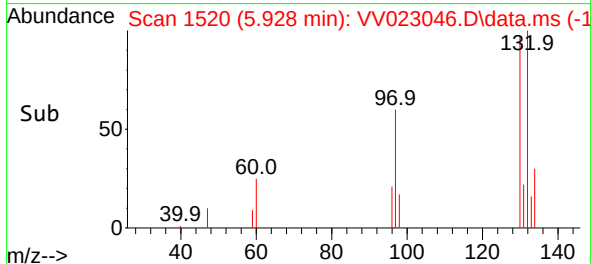
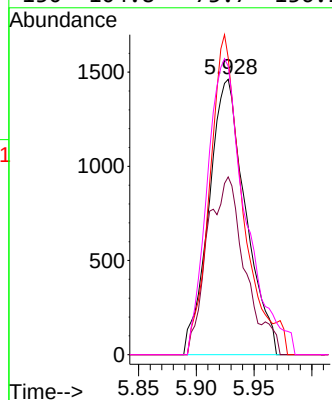
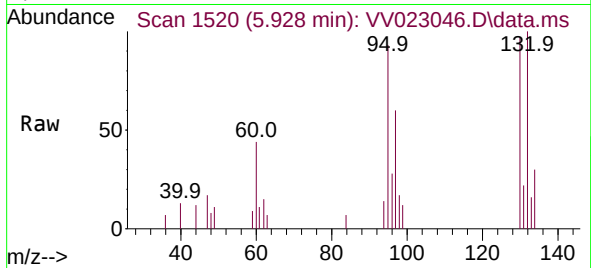


#34
Trichloroethene
Concen: 0.368 ug/L
RT: 5.928 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

Instrument :
MSVOA_V
ClientSampleId :
BFGE2

Tgt Ion: 95 Resp: 3231

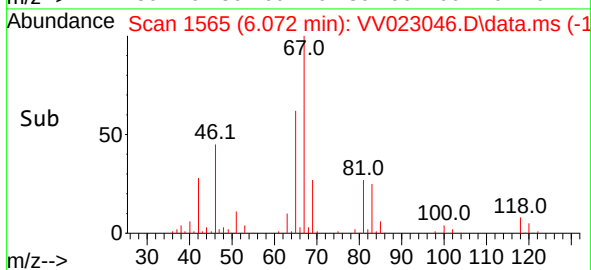
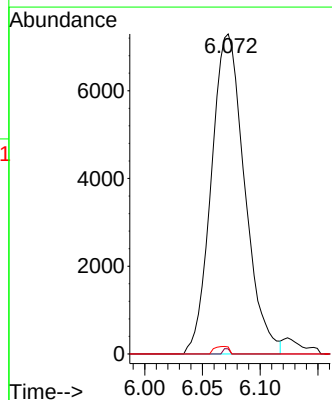
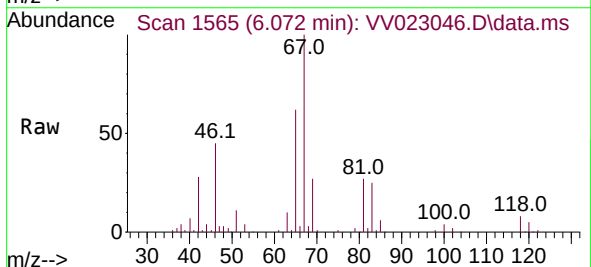
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.0	83.6
132	107.9	69.7	129.4
130	104.8	73.7	136.9

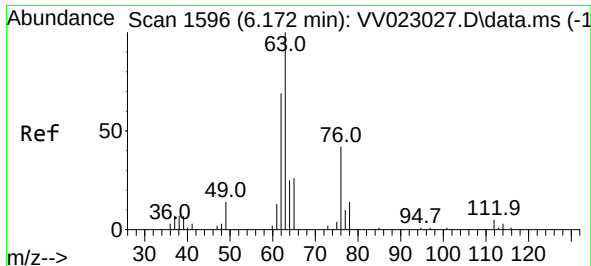


#35
Methylcyclohexane
Concen: 1.163 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

Tgt Ion: 83 Resp: 14643

Ion	Ratio	Lower	Upper
83	100		
55	0.3	62.8	94.2#
98	1.0	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.722 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023046.D

Acq: 26 Oct 2021 18:27

Instrument :

MSVOA_V

ClientSampleId :

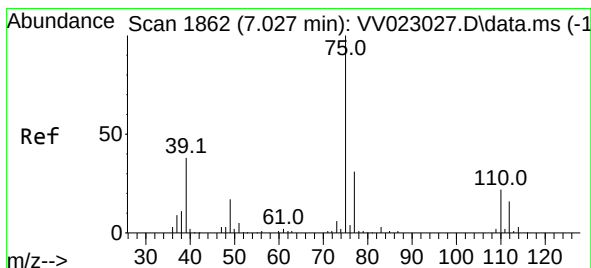
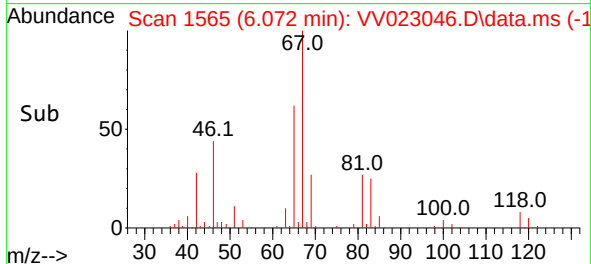
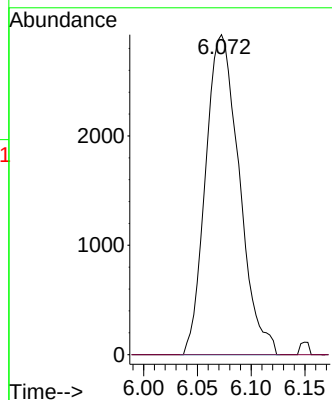
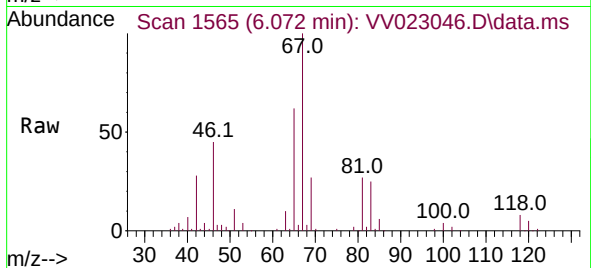
BFG2

Tgt Ion: 63 Resp: 6371

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.135 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.036 min

Lab File: VV023046.D

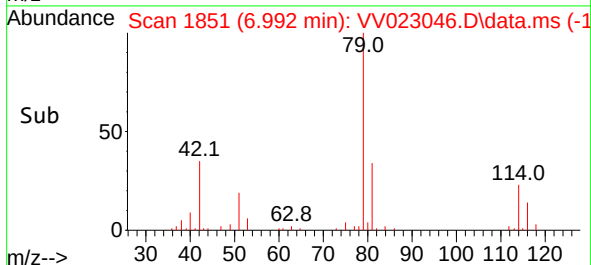
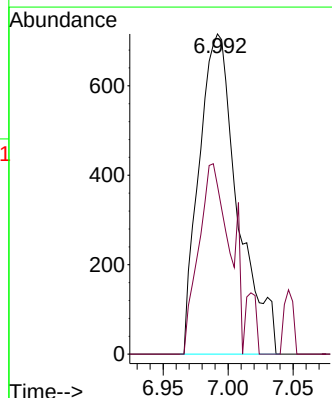
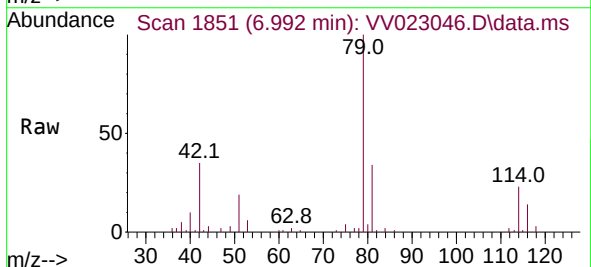
Acq: 26 Oct 2021 18:27

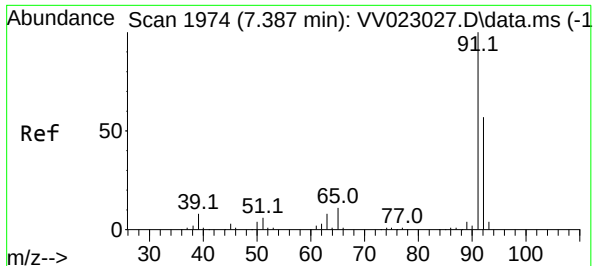
Tgt Ion: 75 Resp: 1485

Ion Ratio Lower Upper

75 100

77 52.7 21.6 40.2#





#42

Toluene

Concen: 0.187 ug/L

RT: 7.397 min Scan# 1974

Delta R.T. 0.009 min

Lab File: VV023046.D

Acq: 26 Oct 2021 18:27

Instrument :

MSVOA_V

ClientSampleId :

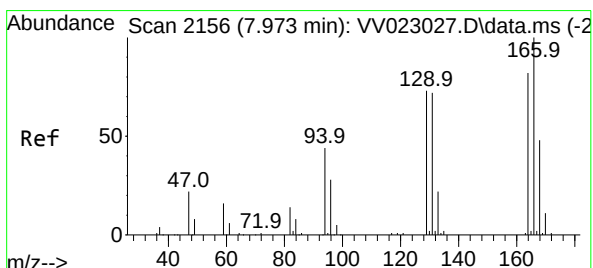
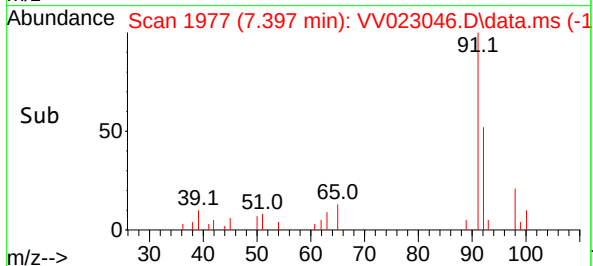
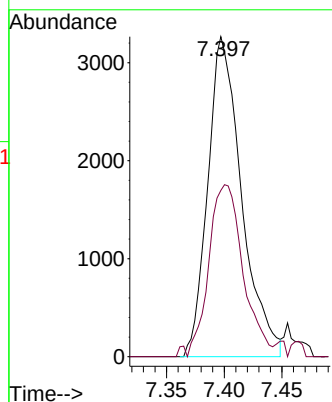
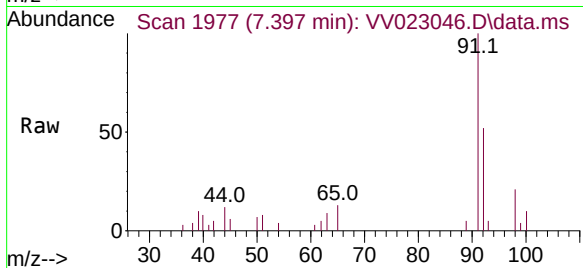
BFGE2

Tgt Ion: 91 Resp: 6646

Ion Ratio Lower Upper

91 100

92 52.0 39.3 72.9



#47

Tetrachloroethene

Concen: 2.133 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV023046.D

Acq: 26 Oct 2021 18:27

Tgt Ion: 164 Resp: 15843

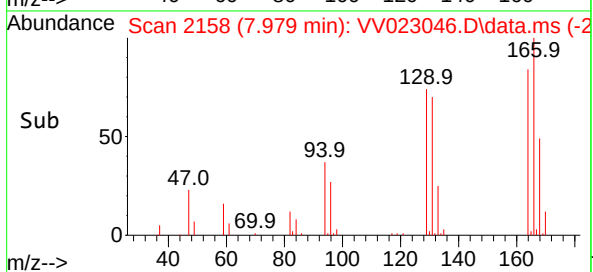
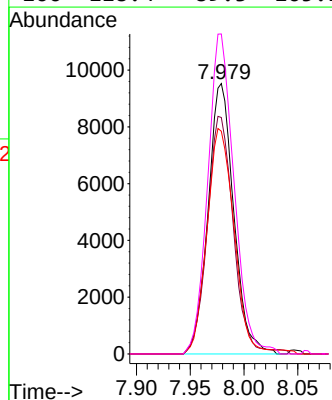
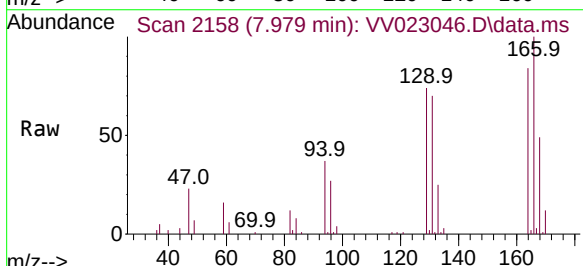
Ion Ratio Lower Upper

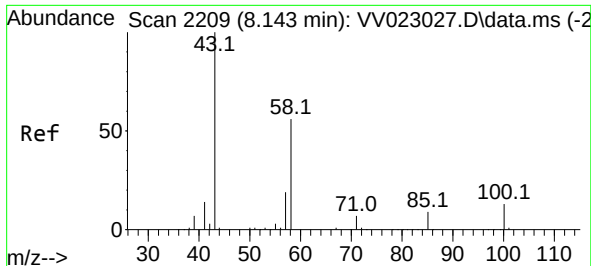
164 100

129 87.5 64.0 119.0

131 82.4 63.4 117.8

166 118.4 89.3 165.9

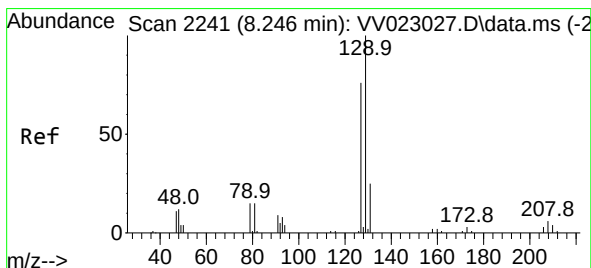
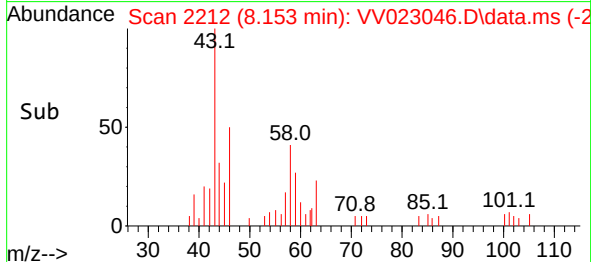
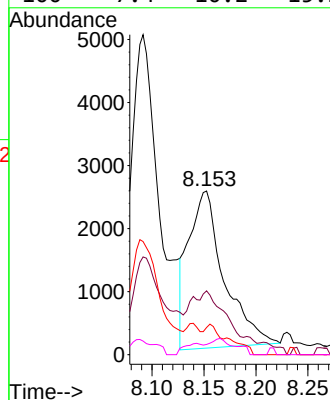
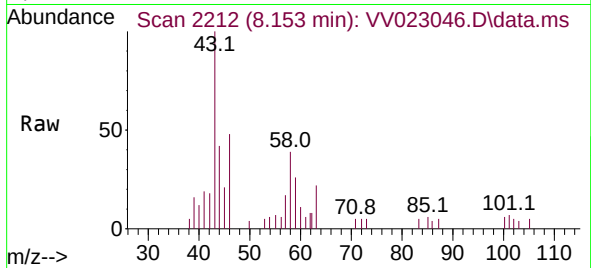




#48
2-Hexanone
Concen: 1.926 ug/L
RT: 8.153 min Scan# 2157
Delta R.T. 0.009 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

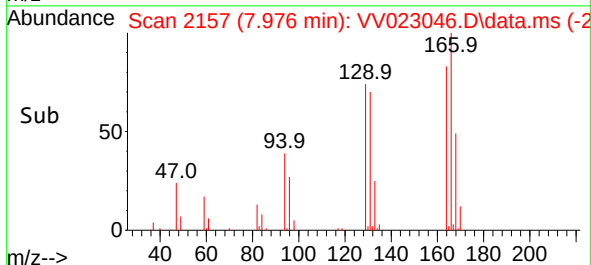
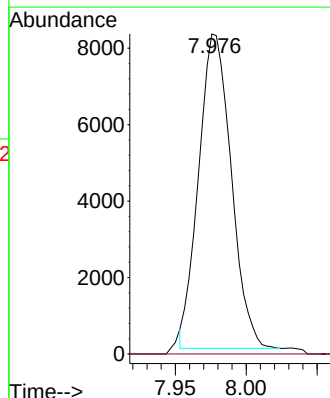
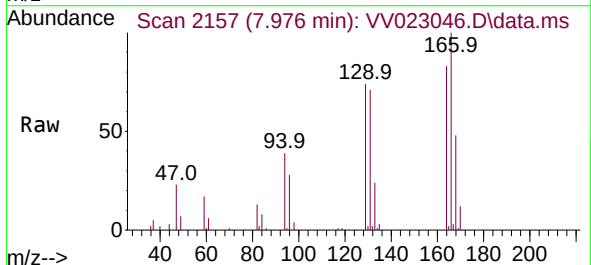
Instrument :
MSVOA_V
ClientSampleId :
BFGE2

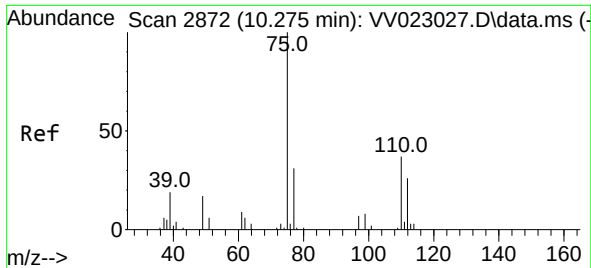
Tgt Ion: 43 Resp: 5935
Ion Ratio Lower Upper
43 100
58 34.6 43.7 65.5#
57 12.2 14.1 21.1#
100 7.4 10.2 15.2#



#49
Dibromochloromethane
Concen: 1.791 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023046.D
Acq: 26 Oct 2021 18:27

Tgt Ion: 129 Resp: 13146
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#61
 1,2,3-Trichloropropane
 Concen: 1.615 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV023046.D
 Acq: 26 Oct 2021 18:27

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGE2

Tgt Ion: 75 Resp: 6221
 Ion Ratio Lower Upper
 75 100
 77 36.5 26.6 39.8
 110 2.6 31.8 47.6#

