

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111021\
 Data File : VW023400.D
 Acq On : 11 Nov 2021 20:11
 Operator : SY/MD
 Sample : M4542-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGGF2

Quant Time: Nov 12 02:08:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 12 02:02:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	115150	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	115265	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	63234	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	28806	3.993	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	1.568	69	21972	3.737	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.800%
11) 1,1-Dichloroethene-d2	2.108	63	42608	3.155	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.200%
20) 2-Butanone-d5	3.886	46	69108	55.607	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.220%
24) Chloroform-d	4.349	84	62650	4.075	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
26) 1,2-Dichloroethane-d4	5.034	65	31375	4.538	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.050	84	121335	4.103	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.072	67	37894	4.353	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.320	98	108695	3.922	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.400%
43) trans-1,3-Dichloroprop...	7.629	79	13465	4.079	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.600%
46) 2-Hexanone-d5	8.088	63	52767	43.444	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.880%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28089	4.486	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	47988	4.558	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	7786	0.816	ug/L	99
5) Vinyl chloride	1.311	62	7736	0.811	ug/L	95
12) 1,1-Dichloroethene	2.118	96	1955	0.285	ug/L #	1
13) Acetone	2.175	43	4626	6.092	ug/L	99
19) 1,1-Dichloroethane	3.191	63	23358	1.639	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	29775	3.665	ug/L #	91
25) Chloroform	4.378	83	14563	0.959	ug/L	97
29) 1,1,1-Trichloroethane	4.609	97	38301	2.736	ug/L	98
34) Trichloroethene	5.915	95	115811	13.518	ug/L	98
35) Methylcyclohexane	6.137	83	3642	0.269	ug/L	95
42) Toluene	7.394	91	19533	0.567	ug/L	92
47) Tetrachloroethene	7.976	164	3643	0.491	ug/L	97
51) Chlorobenzene	8.883	112	186352	8.136	ug/L	99
52) Ethylbenzene	9.018	91	4803	0.132	ug/L	93
53) m,p-xylene	9.149	106	1621	0.114	ug/L	79
54) o-xylene	9.548	106	8464	0.633	ug/L	97
60) Isopropylbenzene	9.934	105	39965	1.101	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	566667	18.923	ug/L	99
64) 1,3-Dichlorobenzene	11.182	146	2677	0.144	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 12 02:02:21 2021
Response via : Initial Calibration

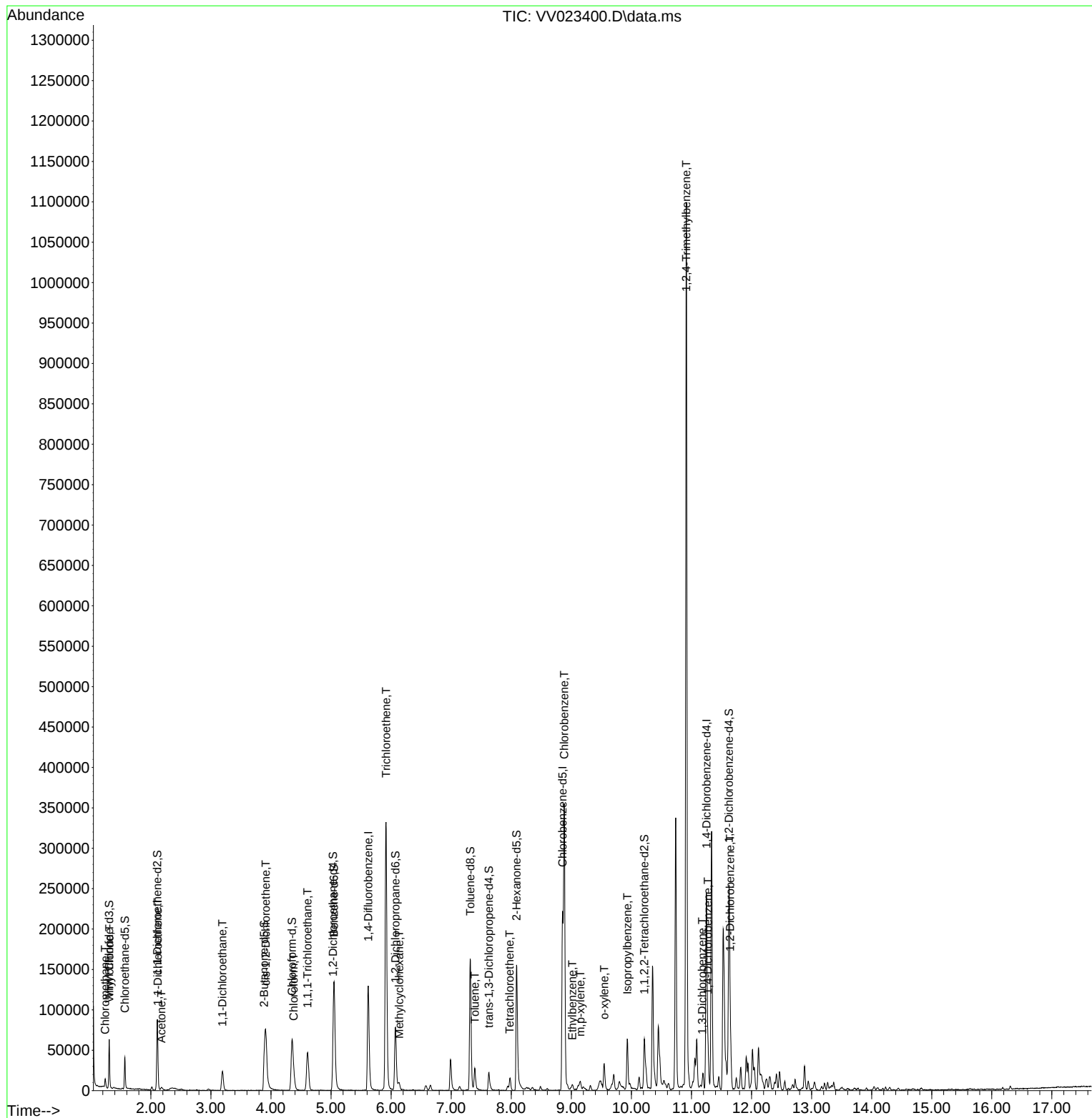
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.275	146	18916	0.999	ug/L	99
67) 1,2-Dichlorobenzene	11.645	146	17789	1.072	ug/L	97

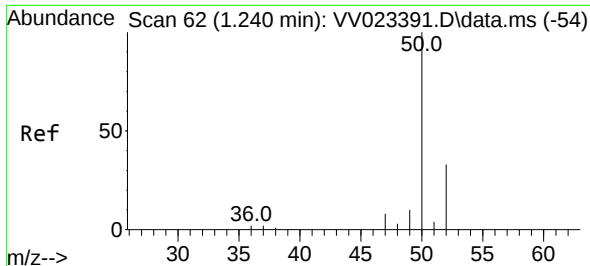
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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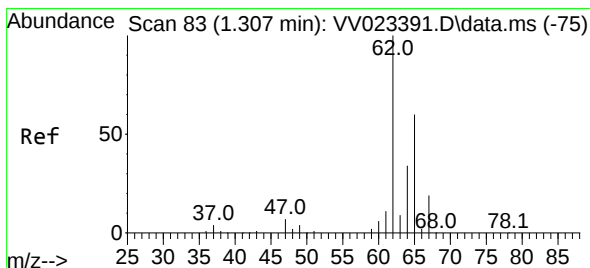
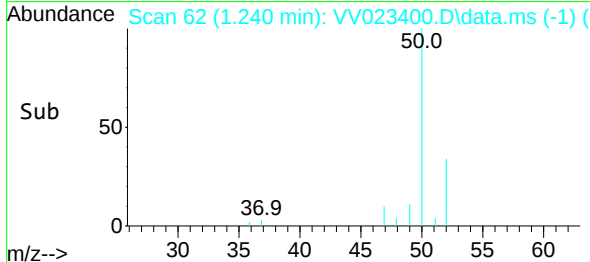
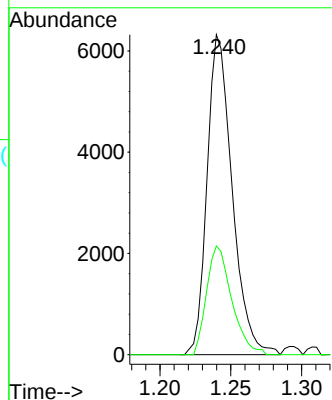
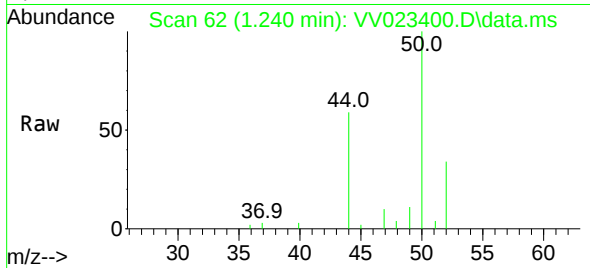




#3
Chloromethane
Concen: 0.816 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

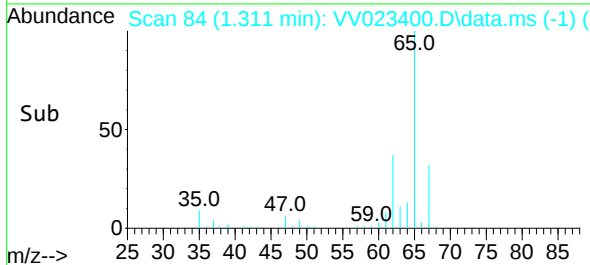
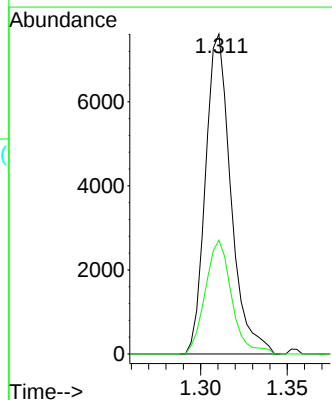
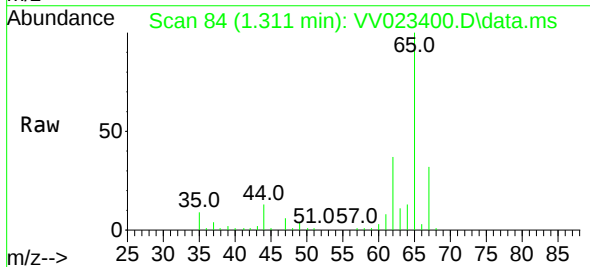
Instrument :
MSVOA_V
ClientSampleId :
BGGF2

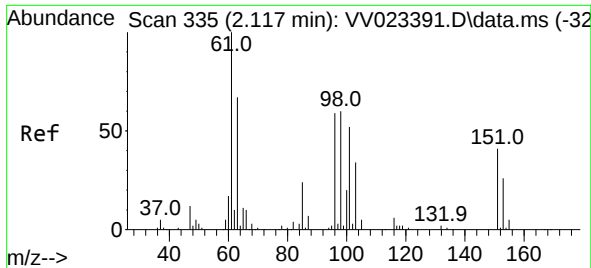
Tgt Ion: 50 Resp: 7786
Ion Ratio Lower Upper
50 100
52 34.0 24.3 45.1



#5
Vinyl chloride
Concen: 0.811 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

Tgt Ion: 62 Resp: 7736
Ion Ratio Lower Upper
62 100
64 35.6 23.1 42.9

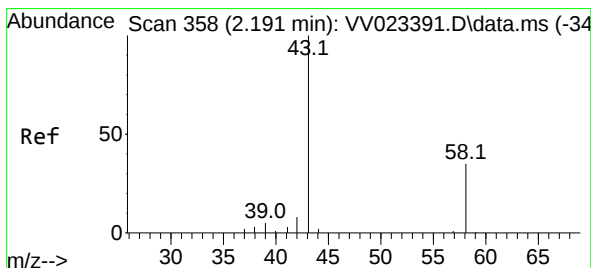
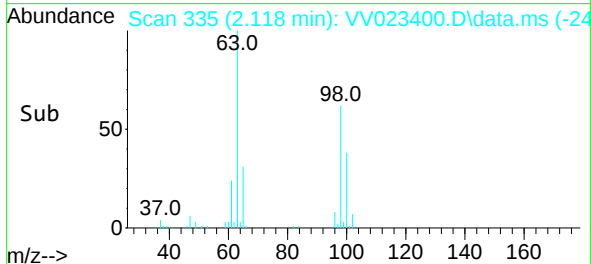
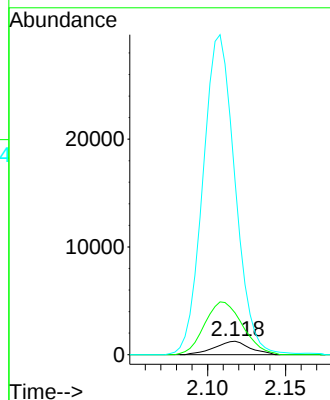
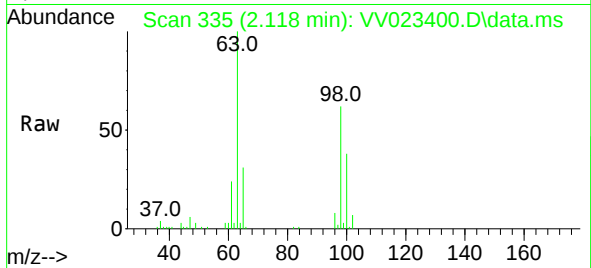




#12
1,1-Dichloroethene
Concen: 0.285 ug/L
RT: 2.118 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

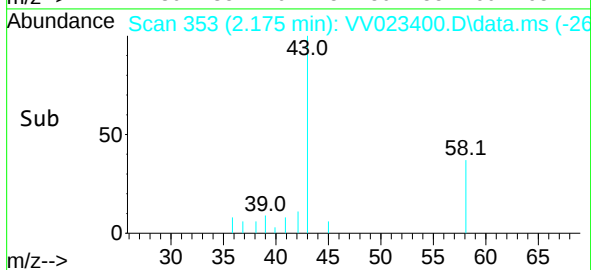
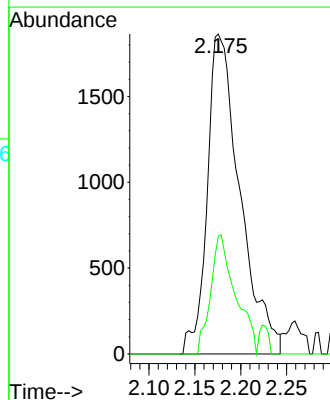
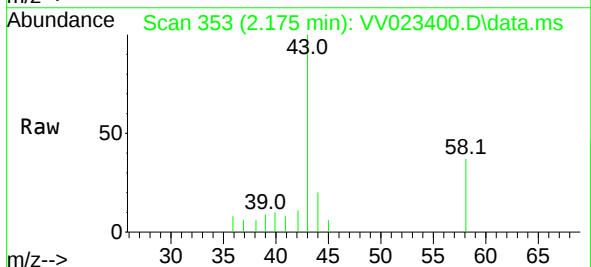
Instrument :
MSVOA_V
ClientSampleId :
BGGF2

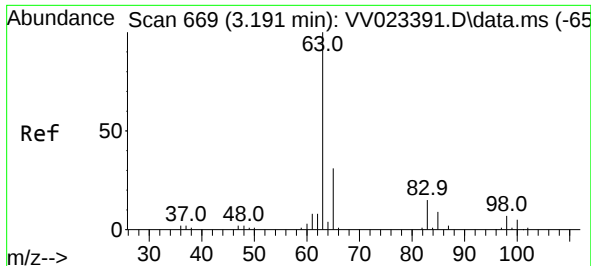
Tgt Ion: 96 Resp: 1955
Ion Ratio Lower Upper
96 100
61 312.2 121.5 225.7#
63 1297.6 99.6 185.0#



#13
Acetone
Concen: 6.092 ug/L
RT: 2.175 min Scan# 353
Delta R.T. -0.016 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

Tgt Ion: 43 Resp: 4626
Ion Ratio Lower Upper
43 100
58 28.3 0.0 55.4





#19

1,1-Dichloroethane

Concen: 1.639 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV023400.D

Acq: 11 Nov 2021 20:11

Instrument :

MSVOA_V

ClientSampleId :

BGGF2

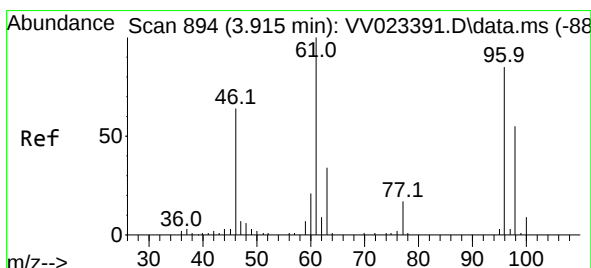
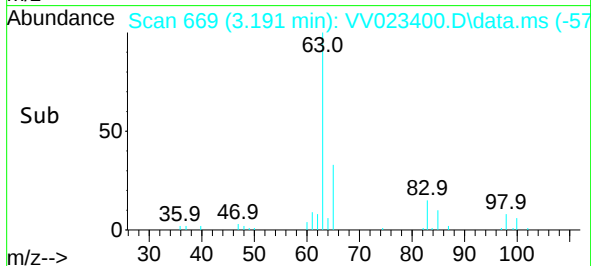
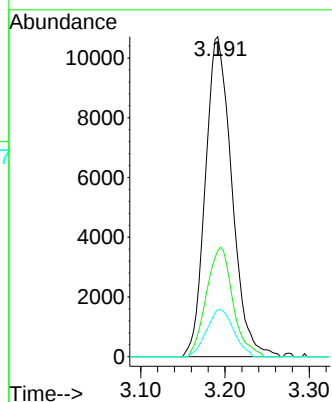
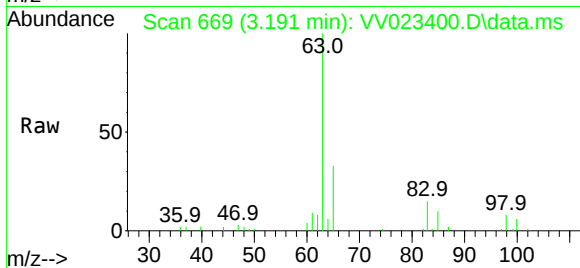
Tgt Ion: 63 Resp: 23358

Ion Ratio Lower Upper

63 100

65 33.1 22.6 42.0

83 14.7 11.1 20.7



#22

cis-1,2-Dichloroethene

Concen: 3.665 ug/L

RT: 3.912 min Scan# 893

Delta R.T. -0.003 min

Lab File: VV023400.D

Acq: 11 Nov 2021 20:11

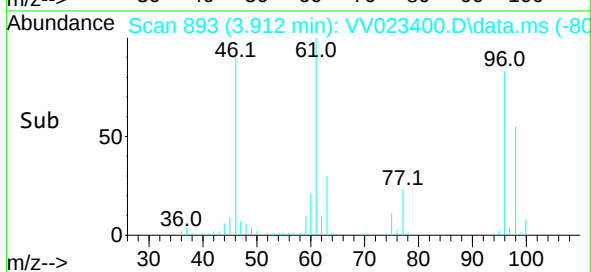
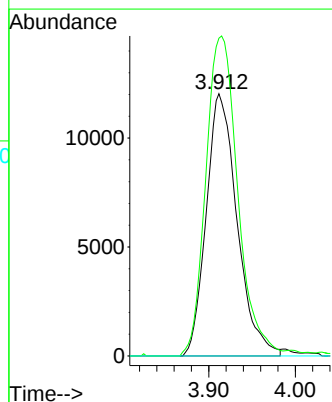
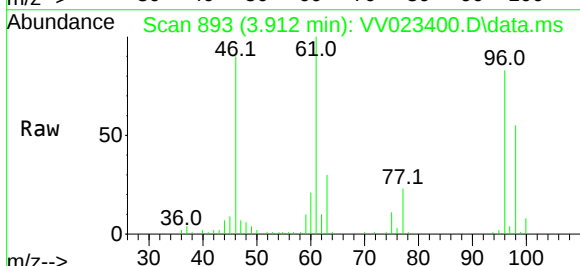
Tgt Ion: 96 Resp: 29775

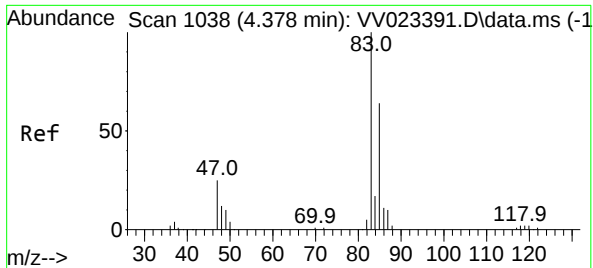
Ion Ratio Lower Upper

96 100

61 121.2 92.3 171.3

68 0.0 0.4 0.8#





#25

Chloroform

Concen: 0.959 ug/L

RT: 4.378 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV023400.D

Acq: 11 Nov 2021 20:11

Instrument :

MSVOA_V

ClientSampleId :

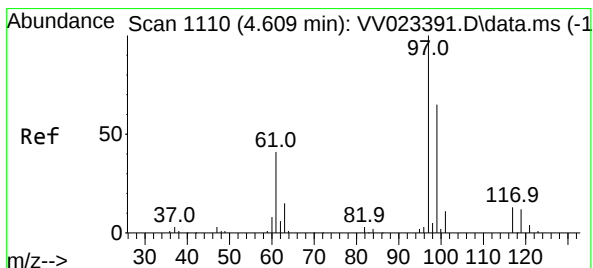
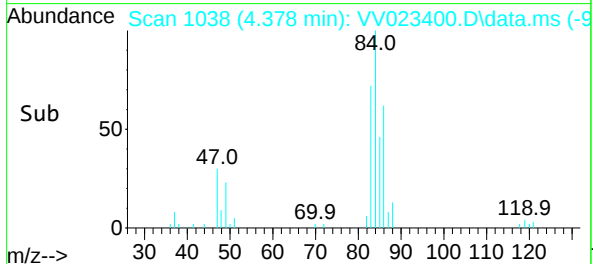
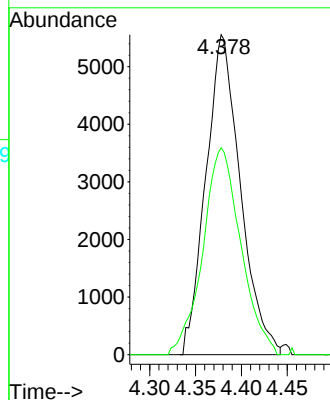
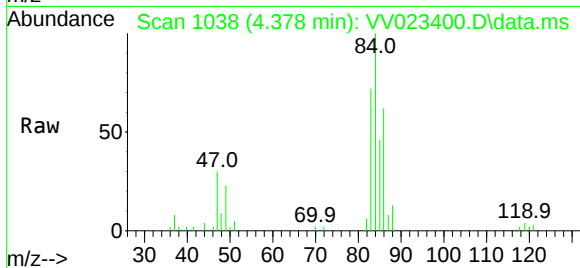
BGGF2

Tgt Ion: 83 Resp: 14563

Ion Ratio Lower Upper

83 100

85 64.6 46.8 86.8



#29

1,1,1-Trichloroethane

Concen: 2.736 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VV023400.D

Acq: 11 Nov 2021 20:11

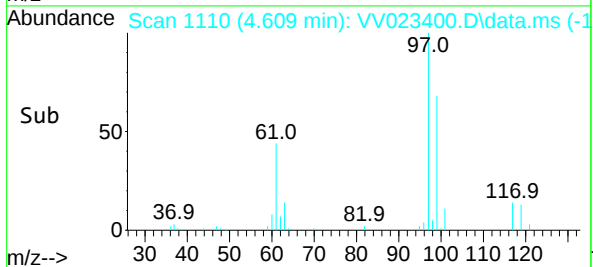
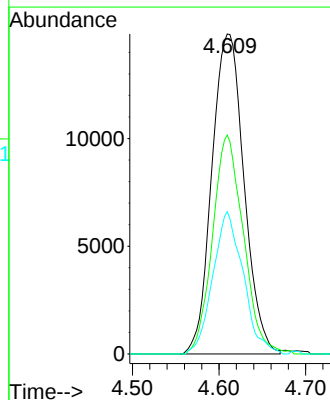
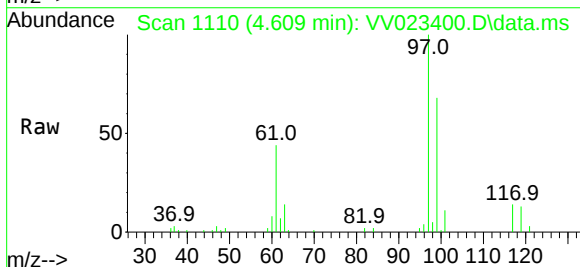
Tgt Ion: 97 Resp: 38301

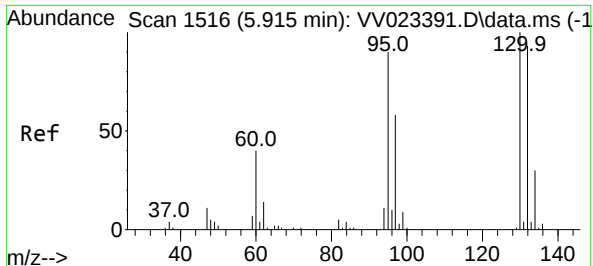
Ion Ratio Lower Upper

97 100

99 65.5 51.0 76.4

61 42.0 34.1 51.1



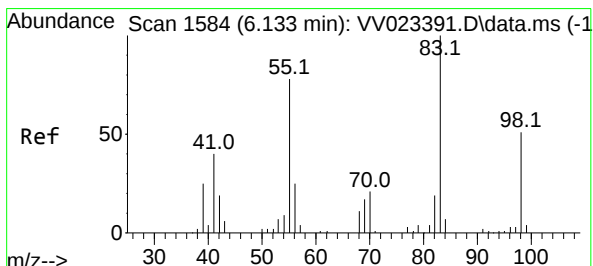
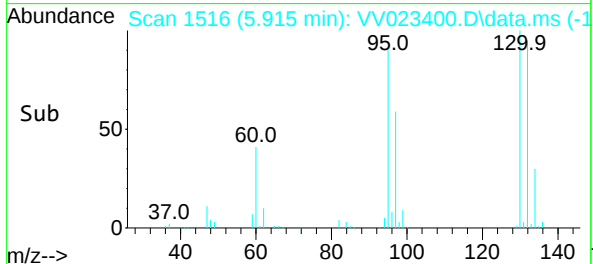
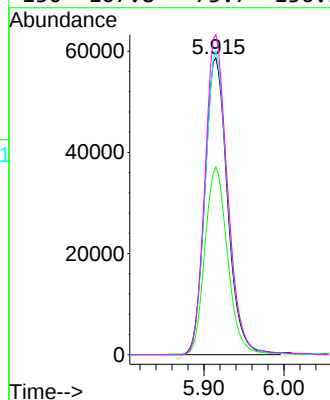
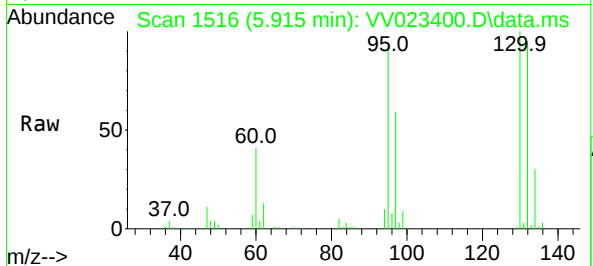


#34
Trichloroethene
Concen: 13.518 ug/L
RT: 5.915 min Scan# 115811
Delta R.T. 0.000 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

Instrument :
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ClientSampleId :
BGGF2

Tgt Ion: 95 Resp: 115811

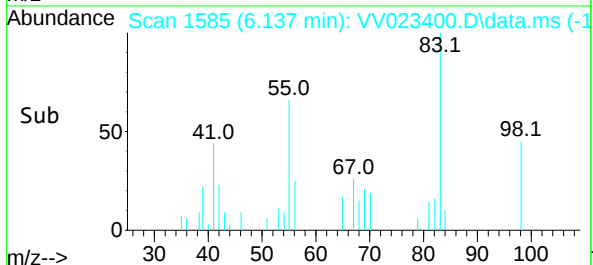
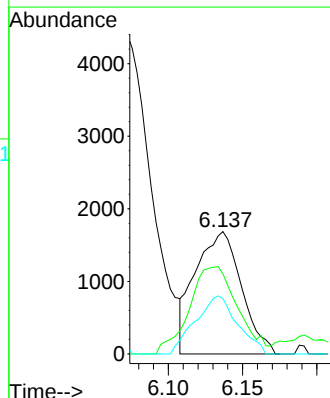
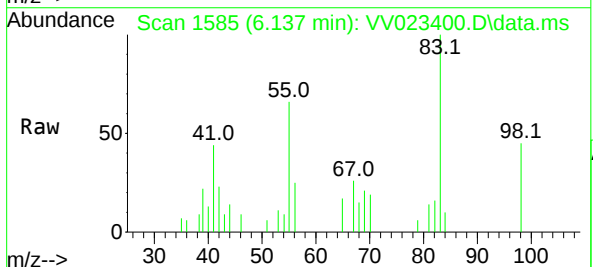
Ion	Ratio	Lower	Upper
95	100		
97	63.2	45.0	83.6
132	102.2	69.7	129.4
130	107.8	73.7	136.9

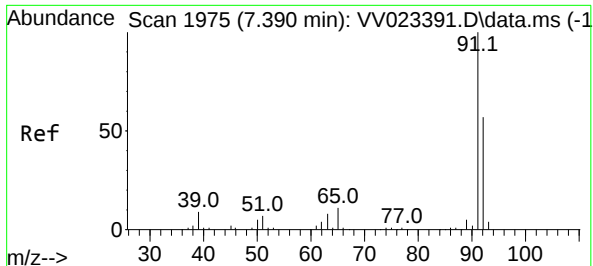


#35
Methylcyclohexane
Concen: 0.269 ug/L
RT: 6.137 min Scan# 1585
Delta R.T. 0.003 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

Tgt Ion: 83 Resp: 3642

Ion	Ratio	Lower	Upper
83	100		
55	75.0	62.8	94.2
98	43.1	37.9	56.9

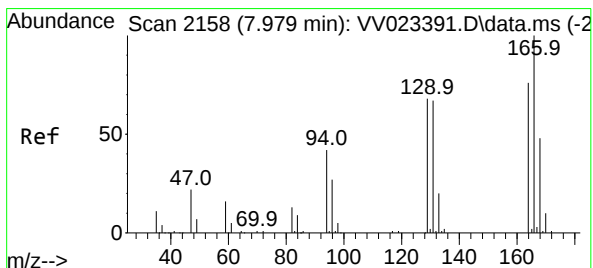
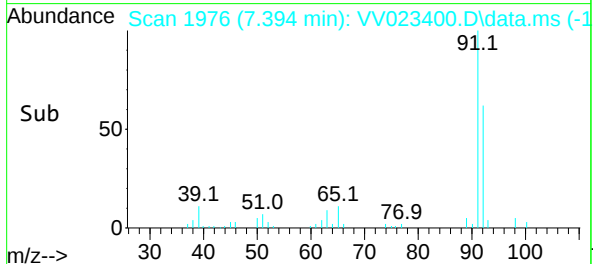
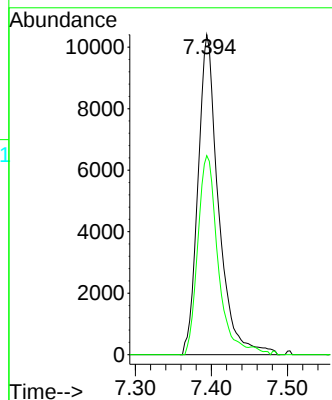
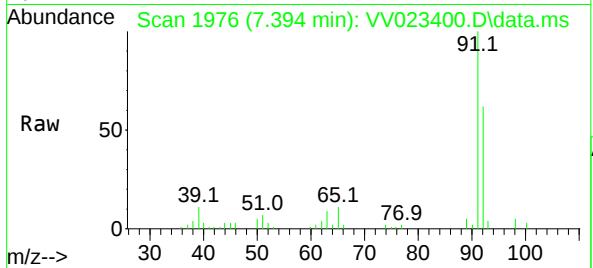




#42
Toluene
Concen: 0.567 ug/L
RT: 7.394 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

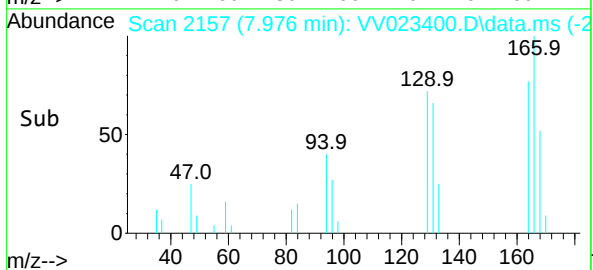
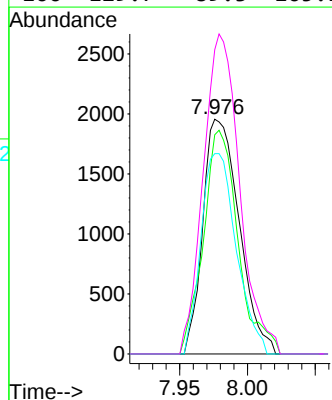
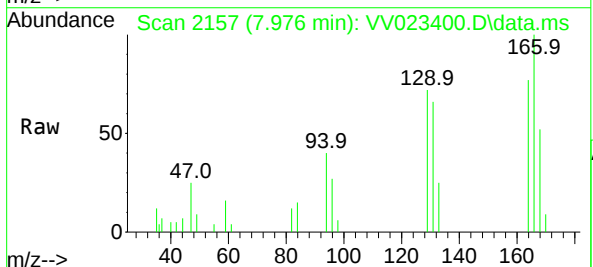
Instrument :
MSVOA_V
ClientSampleId :
BGGF2

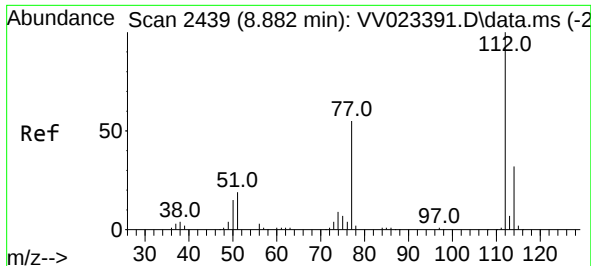
Tgt Ion: 91 Resp: 19533
Ion Ratio Lower Upper
91 100
92 62.2 39.3 72.9



#47
Tetrachloroethene
Concen: 0.491 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

Tgt Ion: 164 Resp: 3643
Ion Ratio Lower Upper
164 100
129 93.4 64.0 119.0
131 85.4 63.4 117.8
166 129.7 89.3 165.9

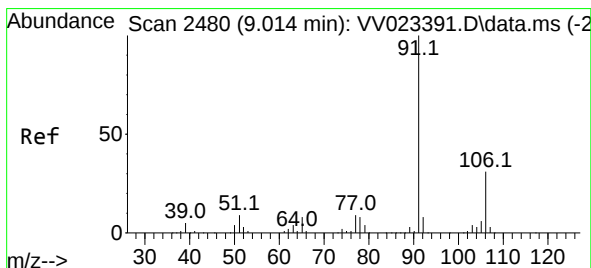
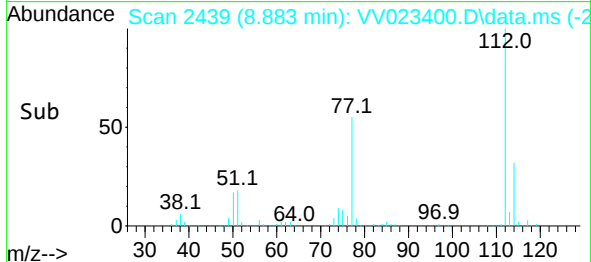
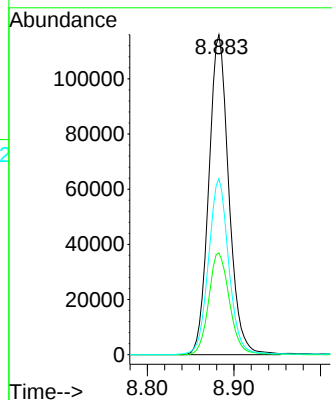
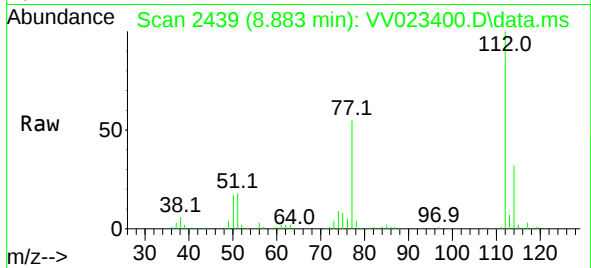




#51
Chlorobenzene
Concen: 8.136 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

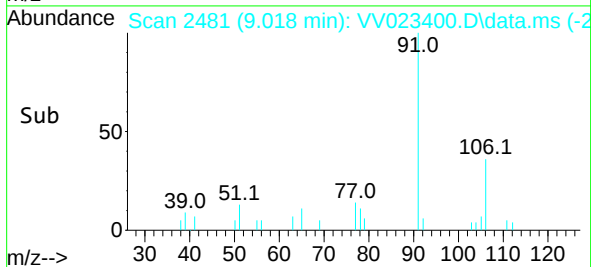
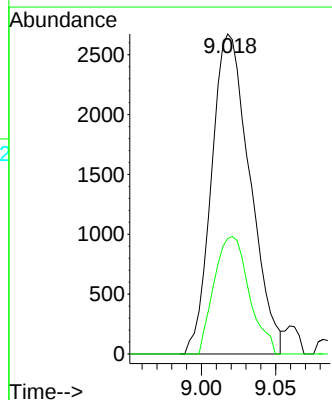
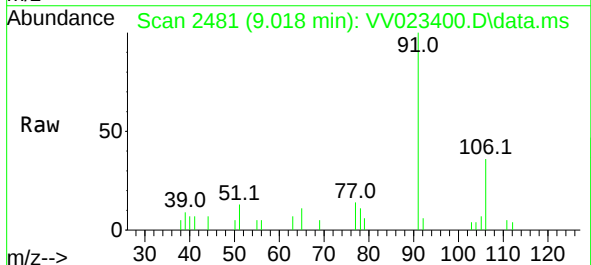
Instrument :
MSVOA_V
ClientSampleId :
BGGF2

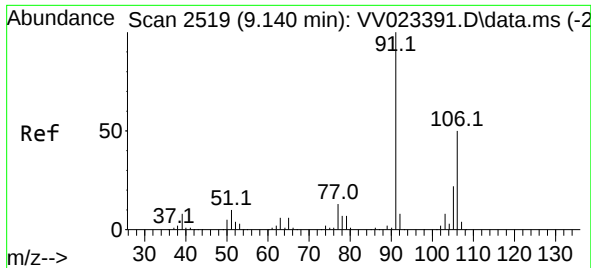
Tgt Ion:112 Resp: 186352
Ion Ratio Lower Upper
112 100
114 31.8 22.0 40.8
77 55.0 44.4 66.6



#52
Ethylbenzene
Concen: 0.132 ug/L
RT: 9.018 min Scan# 2481
Delta R.T. 0.003 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

Tgt Ion: 91 Resp: 4803
Ion Ratio Lower Upper
91 100
106 36.1 22.5 41.9

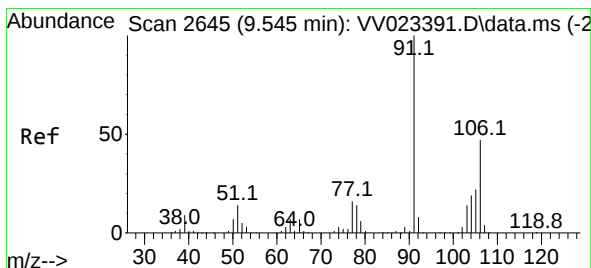
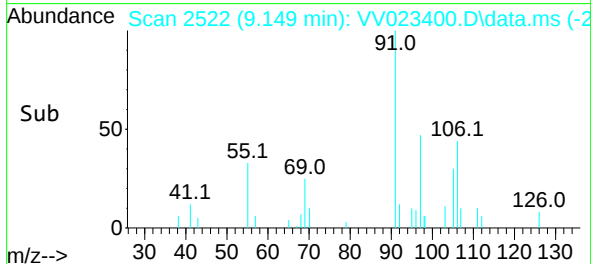
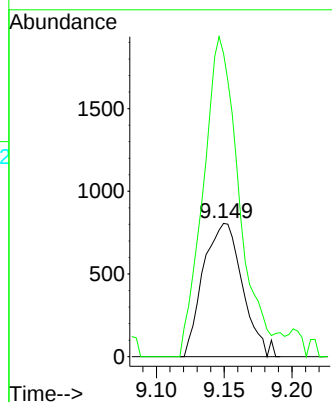
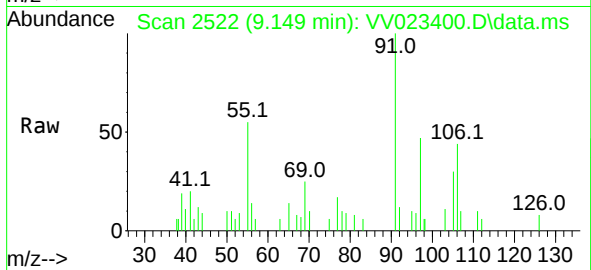




#53
m,p-xylene
Concen: 0.114 ug/L
RT: 9.149 min Scan# 2519
Delta R.T. 0.010 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

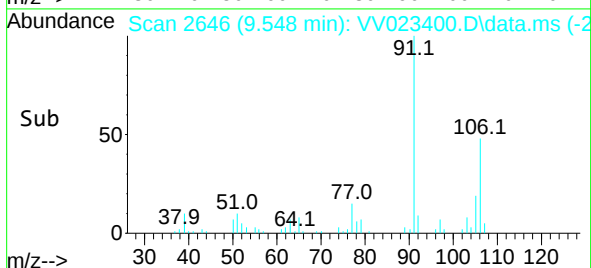
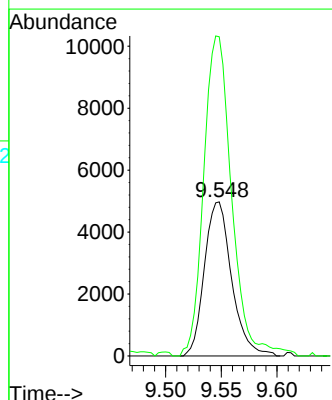
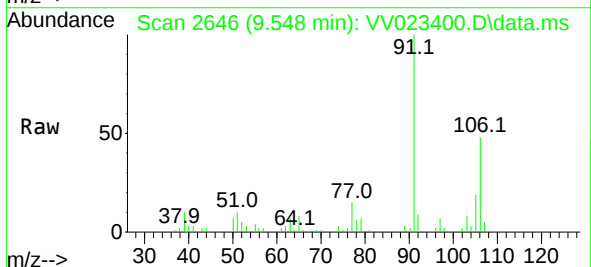
Instrument :
MSVOA_V
ClientSampleId :
BGGF2

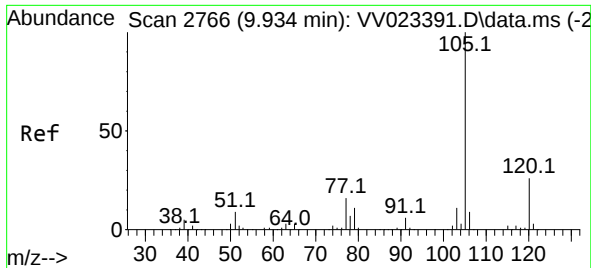
Tgt Ion:106 Resp: 1621
Ion Ratio Lower Upper
106 100
91 227.4 137.2 254.8



#54
o-xylene
Concen: 0.633 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.003 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

Tgt Ion:106 Resp: 8464
Ion Ratio Lower Upper
106 100
91 207.2 148.3 275.5

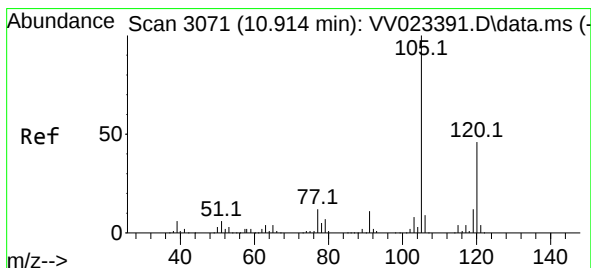
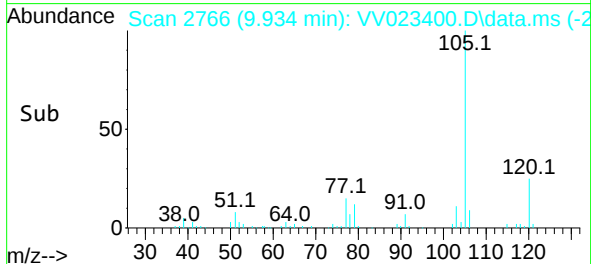
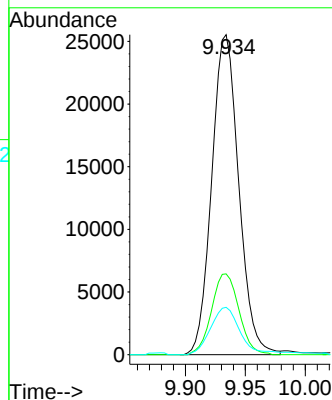
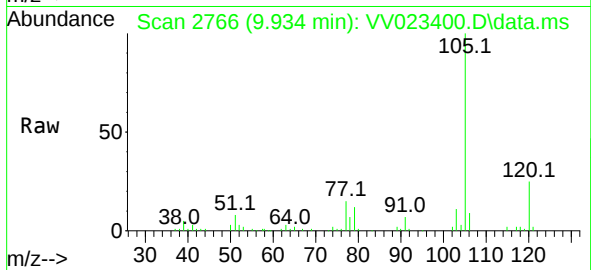




#60
Isopropylbenzene
Concen: 1.101 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

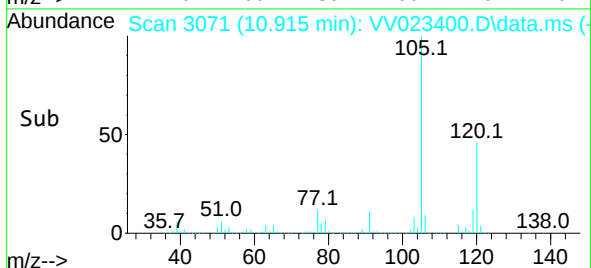
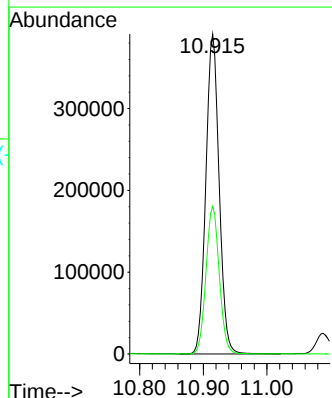
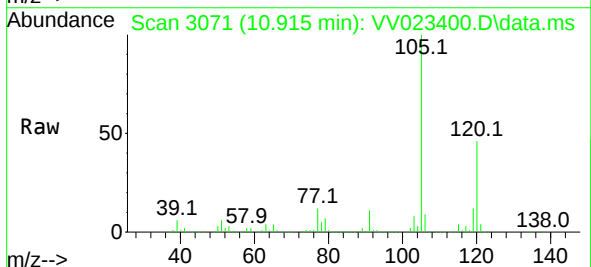
Instrument :
MSVOA_V
ClientSampleId :
BGGF2

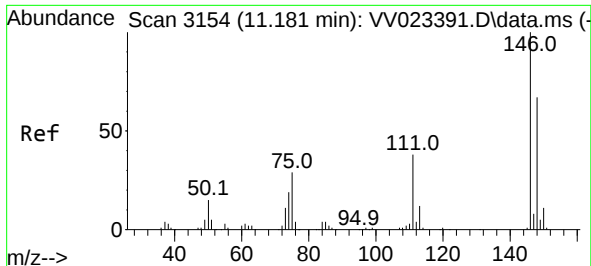
Tgt Ion:105 Resp: 39965
Ion Ratio Lower Upper
105 100
120 25.6 21.7 32.5
77 17.1 12.6 19.0



#63
1,2,4-Trimethylbenzene
Concen: 18.923 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

Tgt Ion:105 Resp: 566667
Ion Ratio Lower Upper
105 100
120 46.1 37.4 56.2

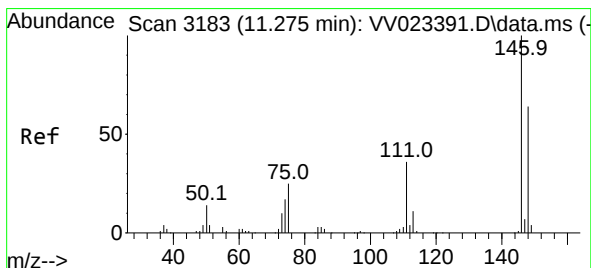
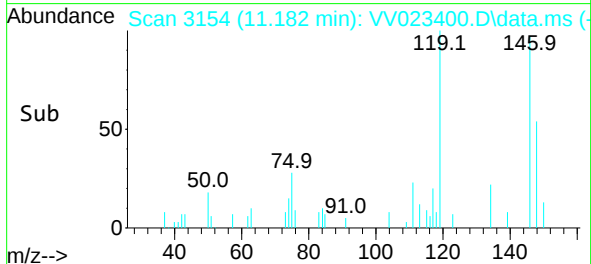
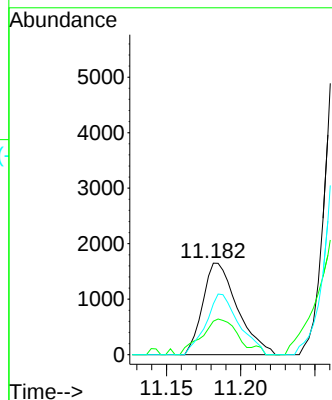
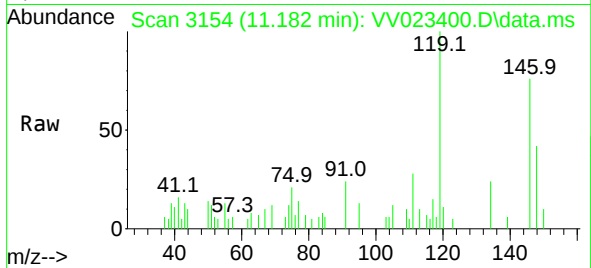




#64
1,3-Dichlorobenzene
Concen: 0.144 ug/L
RT: 11.182 min Scan# 3154
Delta R.T. 0.000 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

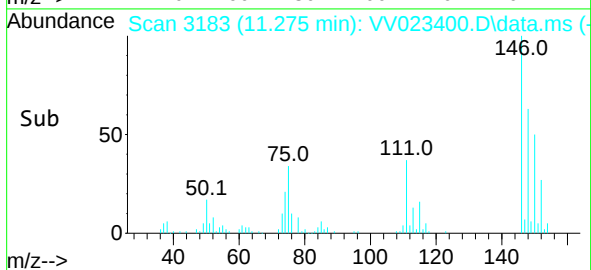
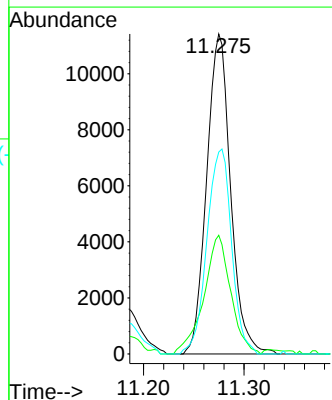
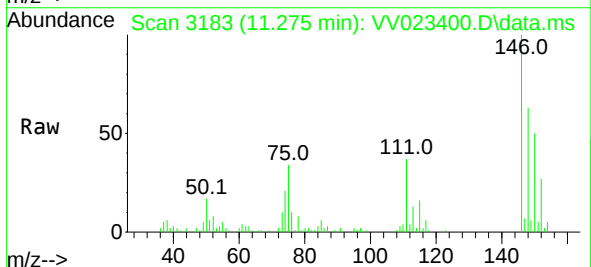
Instrument :
MSVOA_V
ClientSampleId :
BGGF2

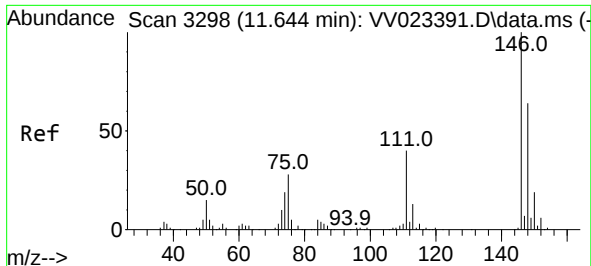
Tgt Ion:146 Resp: 2677
Ion Ratio Lower Upper
146 100
111 36.5 26.7 49.7
148 55.5 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 0.999 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.000 min
Lab File: VV023400.D
Acq: 11 Nov 2021 20:11

Tgt Ion:146 Resp: 18916
Ion Ratio Lower Upper
146 100
111 37.1 26.2 48.8
148 63.1 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 1.072 ug/L

RT: 11.645 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV023400.D

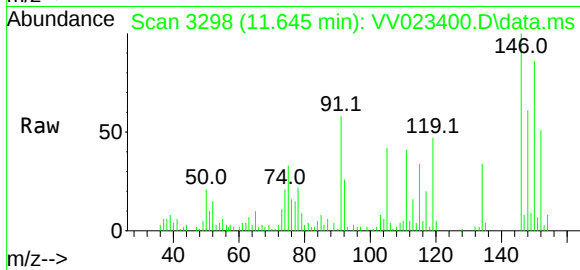
Acq: 11 Nov 2021 20:11

Instrument :

MSVOA_V

ClientSampleId :

BGGF2



Tgt Ion:146 Resp: 17789

Ion Ratio Lower Upper

146 100

111 40.8 31.6 47.4

148 60.6 51.0 76.6

