

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102321\
 Data File : VW023023.D
 Acq On : 23 Oct 2021 20:35
 Operator : SY/MD
 Sample : M4277-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 25 01:10:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 25 01:03:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	81071	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	82946	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	34481	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	37232	5.256	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 105.200%		
7) Chloroethane-d5	1.558	69	21382	4.880	ug/L	-0.01
Spiked Amount	5.000	Range 65 - 130	Recovery	= 97.600%		
11) 1,1-Dichloroethene-d2	2.101	63	45056	4.409	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 88.200%		
20) 2-Butanone-d5	3.883	46	94722	83.353	ug/L	-0.06
Spiked Amount	50.000	Range 40 - 130	Recovery	= 166.700%#		
24) Chloroform-d	4.349	84	65019	5.646	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 113.000%		
26) 1,2-Dichloroethane-d4	5.034	65	33955	6.255	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 125.000%		
32) Benzene-d6	5.050	84	128857	5.321	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 106.400%		
36) 1,2-Dichloropropane-d6	6.069	67	41089	5.512	ug/L	-0.02
Spiked Amount	5.000	Range 60 - 140	Recovery	= 110.200%		
41) Toluene-d8	7.316	98	101333	4.658	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 93.200%		
43) trans-1,3-Dichloroprop...	7.628	79	12597	4.823	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 96.400%		
46) 2-Hexanone-d5	8.095	63	64033	66.217	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 132.440%#		
56) 1,1,2,2-Tetrachloroeth...	10.220	84	33117	6.434	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 128.600%#		
66) 1,2-Dichlorobenzene-d4	11.628	152	37738	6.134	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 122.600%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	591	0.106	ug/L	87
5) Vinyl chloride	1.307	62	266	0.046	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	469	0.106	ug/L #	18
12) 1,1-Dichloroethene	2.104	96	519	0.125	ug/L #	1
13) Acetone	2.169	43	95186	170.725	ug/L	88
15) Methyl Acetate	2.439	43	4116	1.941	ug/L #	47
16) Methylene chloride	2.503	84	1897	0.416	ug/L	88
17) Methyl tert-butyl Ether	2.764	73	1198	0.121	ug/L #	70
22) cis-1,2-Dichloroethene	3.908	96	9717	1.934	ug/L #	89
25) Chloroform	4.381	83	3844	0.357	ug/L	89
27) 1,2-Dichloroethane	5.046	62	829	0.146	ug/L #	72
34) Trichloroethene	5.918	95	2207	0.394	ug/L	91
35) Methylcyclohexane	6.072	83	9978	1.243	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	4472	0.795	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	790	0.113	ug/L #	39
42) Toluene	7.400	91	4203	0.186	ug/L	92
47) Tetrachloroethene	7.979	164	9948	2.100	ug/L	98
48) 2-Hexanone	8.156	43	4892	2.488	ug/L #	94
49) Dibromochloromethane	7.979	129	7910	1.689	ug/L #	10

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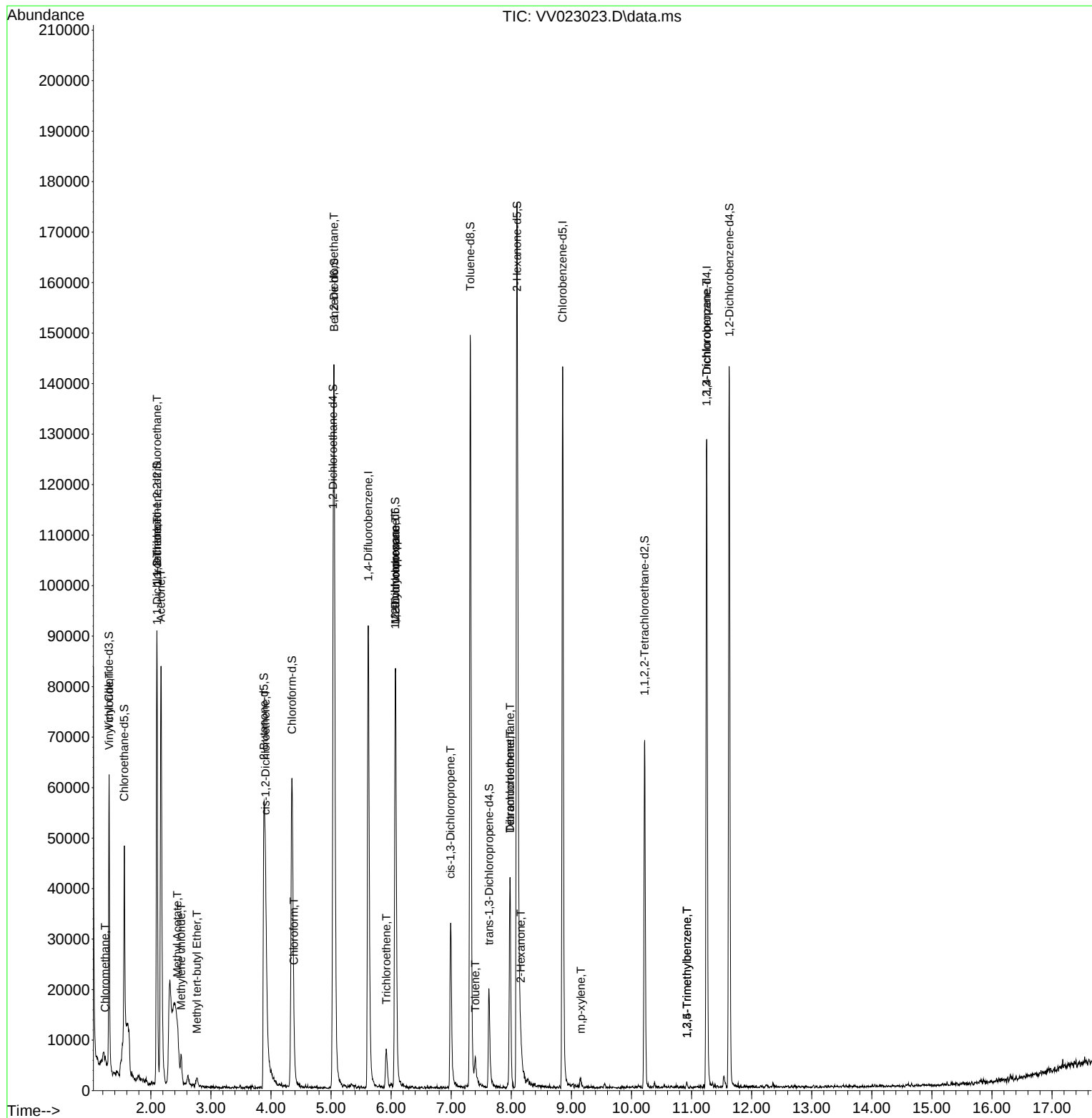
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.156	106	746	0.083	ug/L	78
61) 1,2,3-Trichloropropane	11.249	75	4002	1.649	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.924	105	711	0.051	ug/L	90
63) 1,2,4-Trimethylbenzene	10.924	105	711	0.051	ug/L #	86

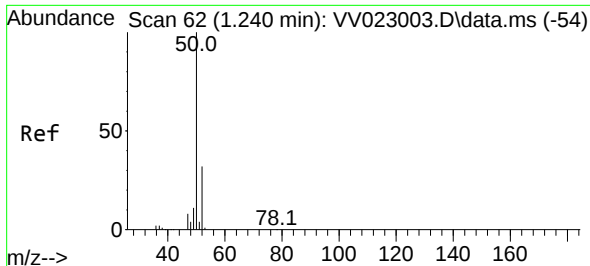
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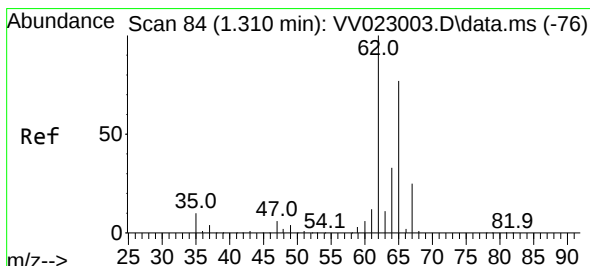
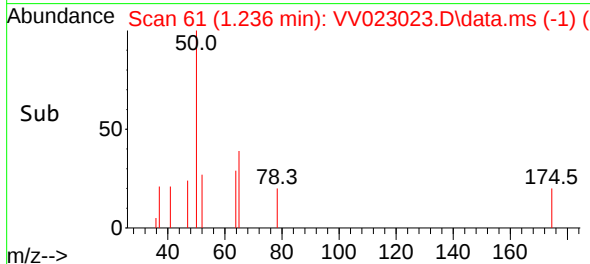
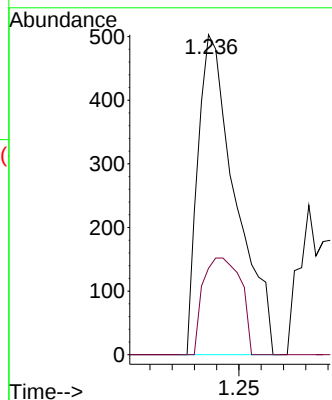
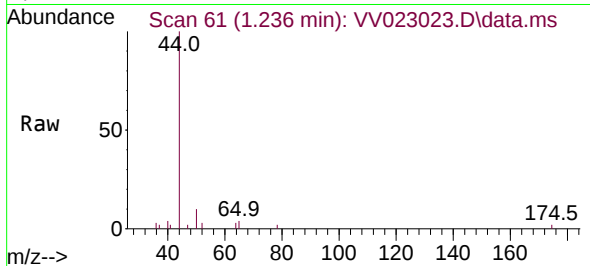




#3
Chloromethane
Concen: 0.106 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV023023.D
Acq: 23 Oct 2021 20:35

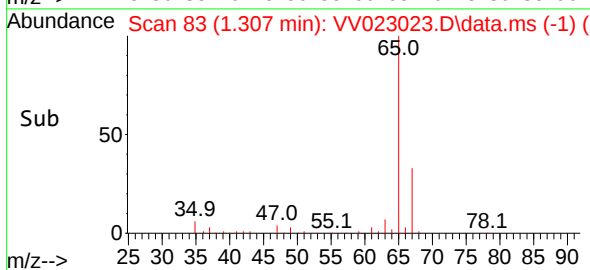
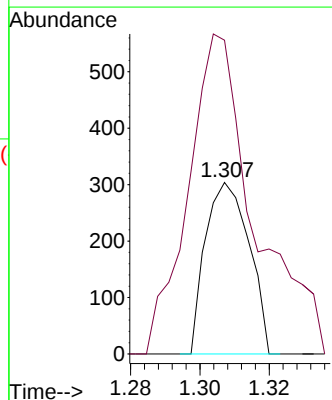
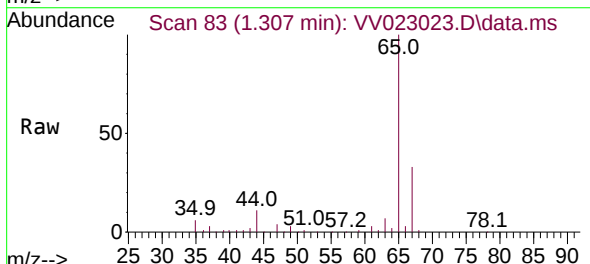
Instrument :
MSVOA_V
ClientSampleId :

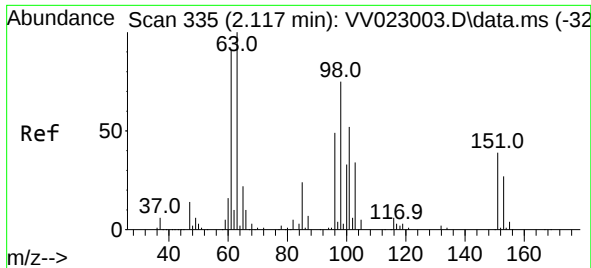
Tgt Ion: 50 Resp: 591
Ion Ratio Lower Upper
50 100
52 27.0 24.3 45.1



#5
Vinyl chloride
Concen: 0.046 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV023023.D
Acq: 23 Oct 2021 20:35

Tgt Ion: 62 Resp: 266
Ion Ratio Lower Upper
62 100
64 182.9 23.1 42.9#

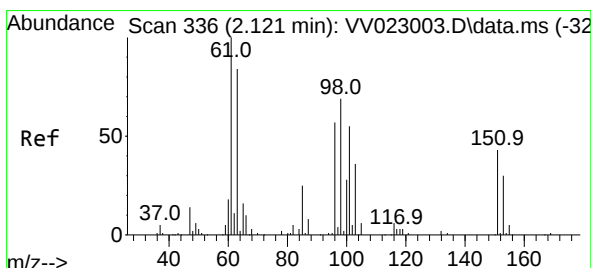
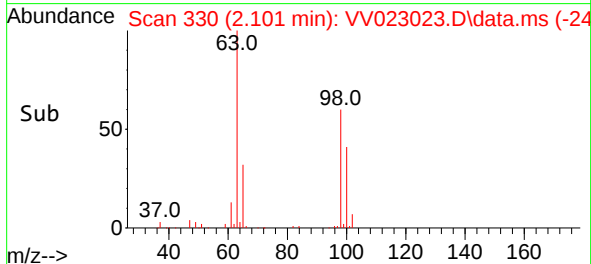
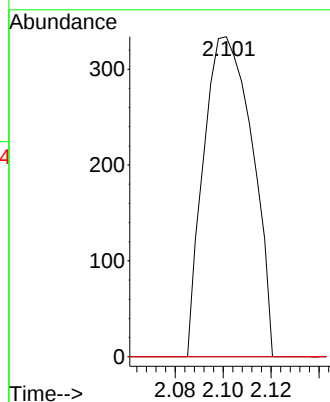
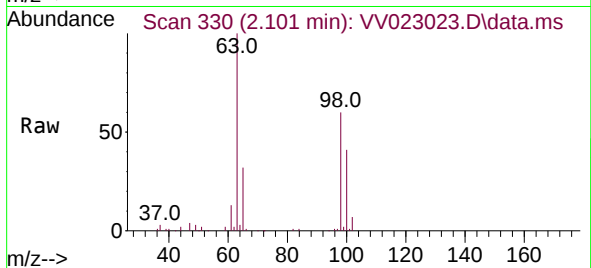




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.106 ug/L
 RT: 2.101 min Scan# 311
 Delta R.T. -0.016 min
 Lab File: VV023023.D
 Acq: 23 Oct 2021 20:35

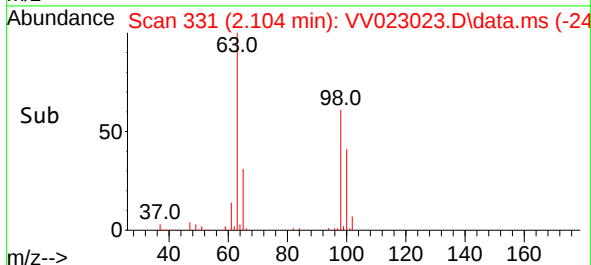
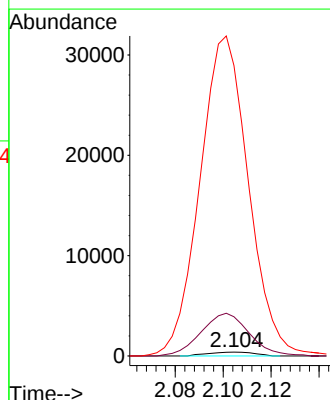
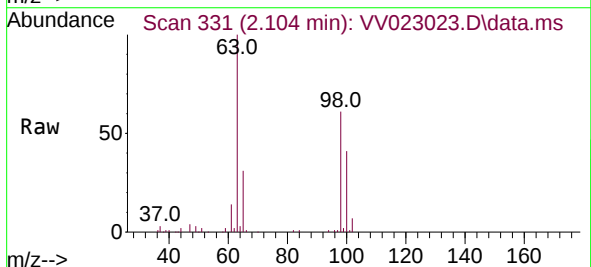
Instrument :
 MSVOA_V
 ClientSampleId :

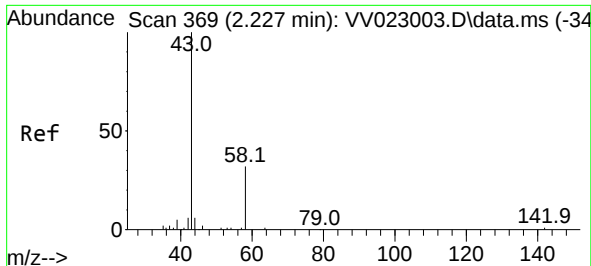
Tgt Ion:101 Resp: 469
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.3 52.9#
 151 0.0 62.2 93.2#



#12
 1,1-Dichloroethene
 Concen: 0.125 ug/L
 RT: 2.104 min Scan# 331
 Delta R.T. -0.016 min
 Lab File: VV023023.D
 Acq: 23 Oct 2021 20:35

Tgt Ion: 96 Resp: 519
 Ion Ratio Lower Upper
 96 100
 61 1038.5 121.5 225.7#
 63 7679.6 99.6 185.0#

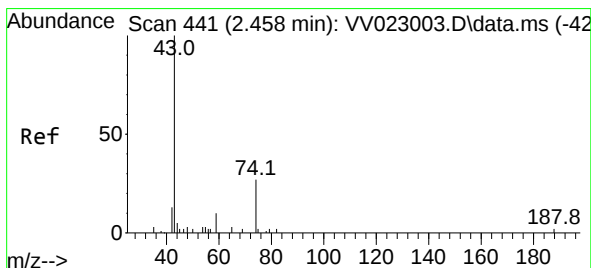
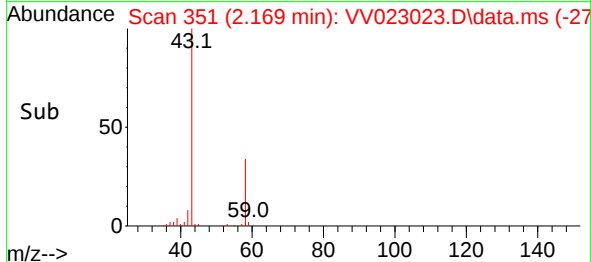
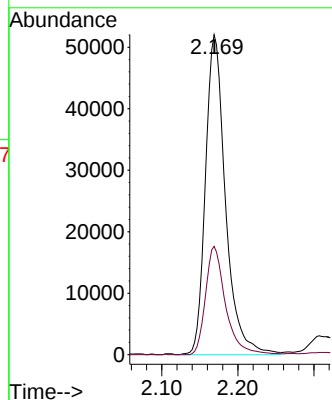
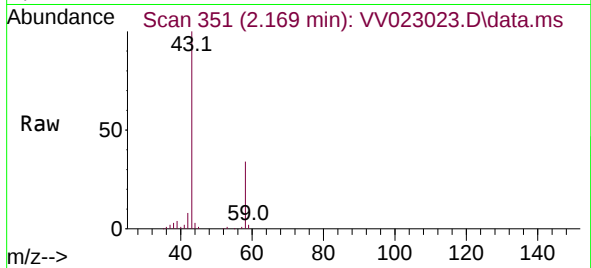




#13
Acetone
Concen: 170.725 ug/L
RT: 2.169 min Scan# 31
Delta R.T. -0.058 min
Lab File: VV023023.D
Acq: 23 Oct 2021 20:35

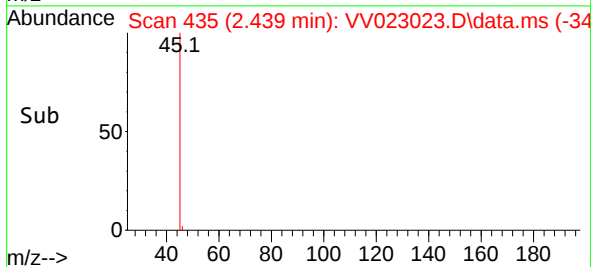
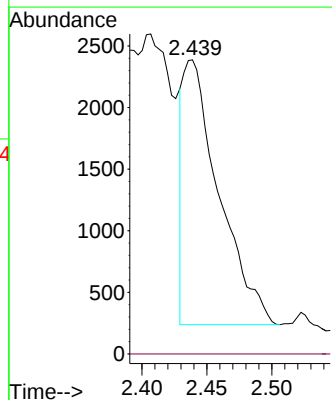
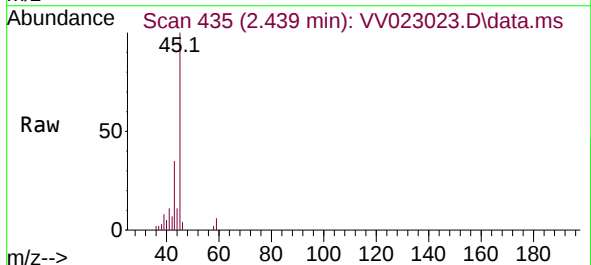
Instrument :
MSVOA_V
ClientSampleId :

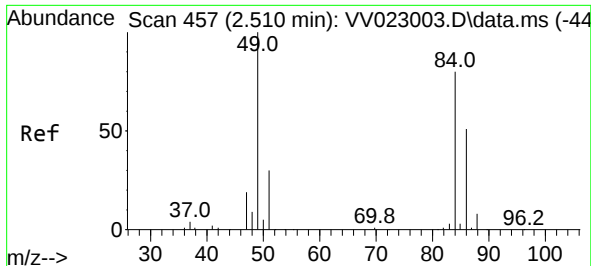
Tgt Ion: 43 Resp: 95186
Ion Ratio Lower Upper
43 100
58 33.9 0.0 55.4



#15
Methyl Acetate
Concen: 1.941 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.019 min
Lab File: VV023023.D
Acq: 23 Oct 2021 20:35

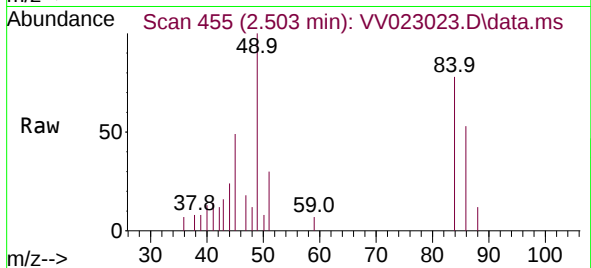
Tgt Ion: 43 Resp: 4116
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



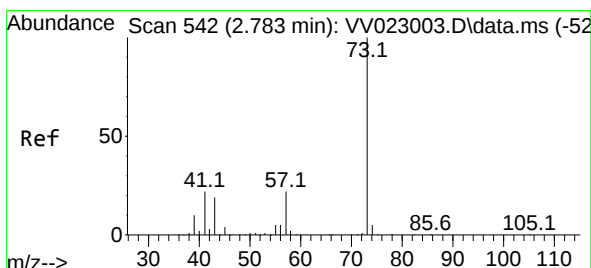
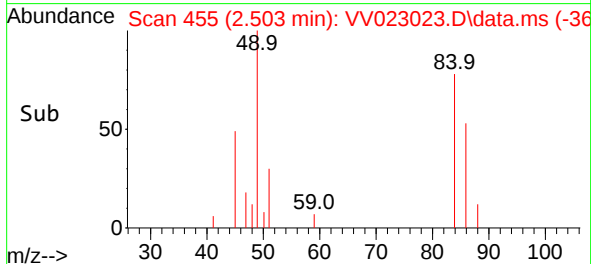
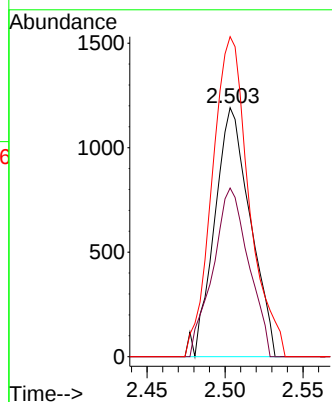


#16
Methylene chloride
Concen: 0.416 ug/L
RT: 2.503 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV023023.D
Acq: 23 Oct 2021 20:35

Instrument :
MSVOA_V
ClientSampleId :

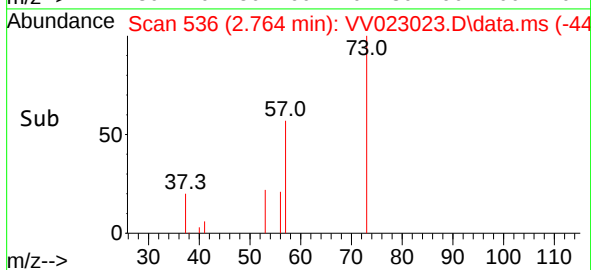
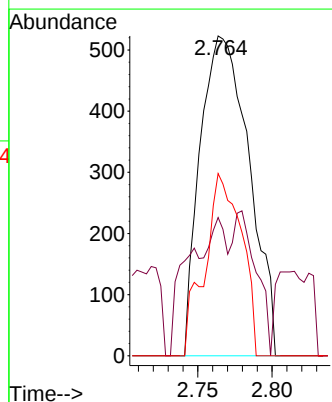
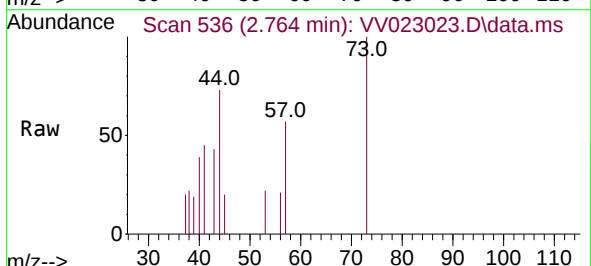


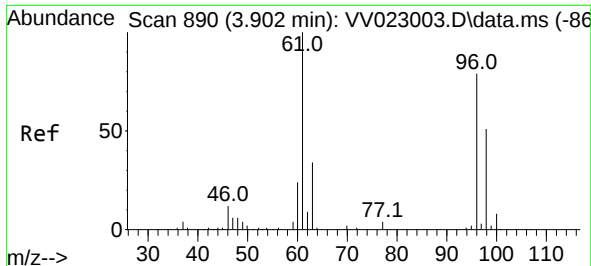
Tgt Ion: 84 Resp: 1897
Ion Ratio Lower Upper
84 100
86 67.8 42.3 78.5
49 128.5 79.7 148.1



#17
Methyl tert-butyl Ether
Concen: 0.121 ug/L
RT: 2.764 min Scan# 536
Delta R.T. -0.019 min
Lab File: VV023023.D
Acq: 23 Oct 2021 20:35

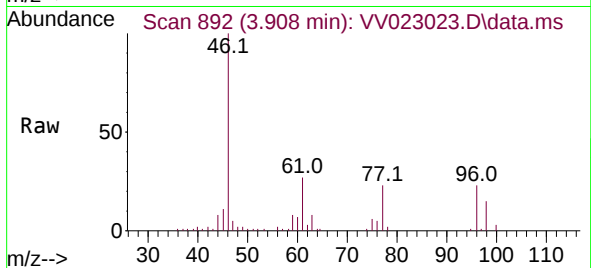
Tgt Ion: 73 Resp: 1198
Ion Ratio Lower Upper
73 100
43 15.8 17.4 26.0#
57 42.8 16.5 24.7#



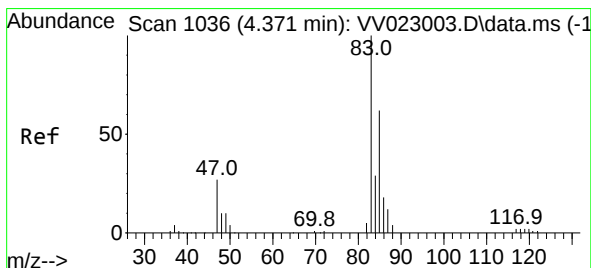
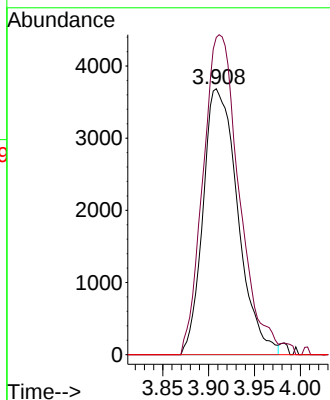
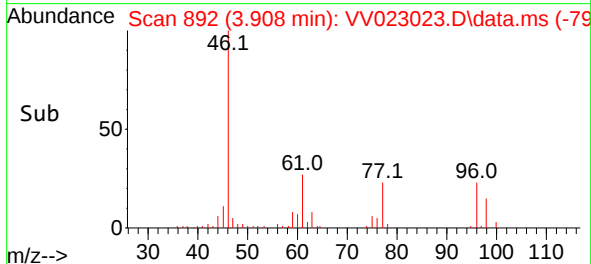


#22
 cis-1,2-Dichloroethene
 Concen: 1.934 ug/L
 RT: 3.908 min Scan# 890
 Delta R.T. 0.006 min
 Lab File: VV023023.D
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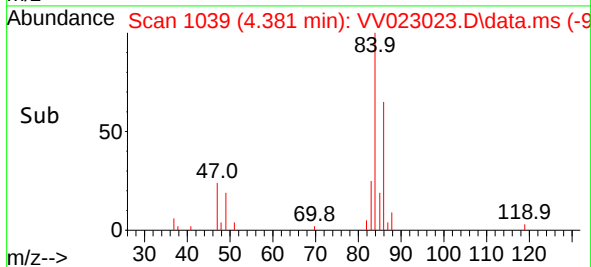
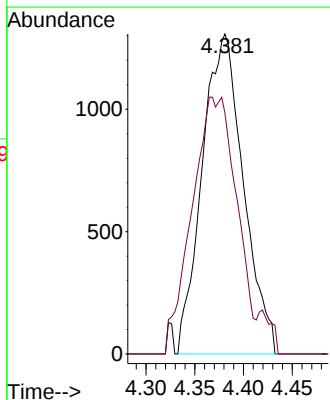
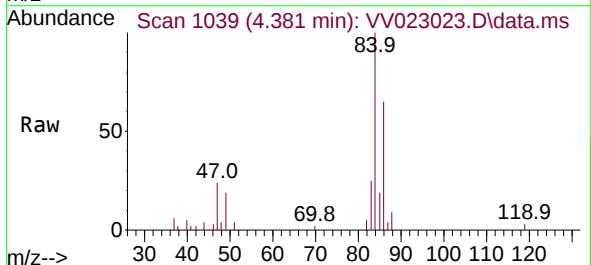


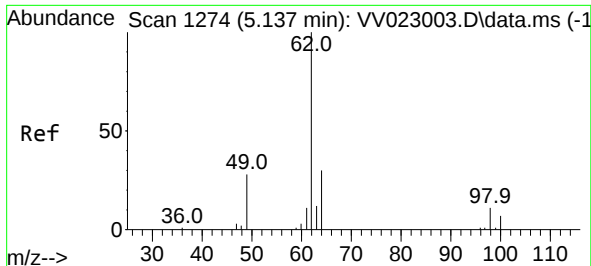
Tgt Ion: 96 Resp: 9717
 Ion Ratio Lower Upper
 96 100
 61 119.3 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.357 ug/L
 RT: 4.381 min Scan# 1039
 Delta R.T. 0.010 min
 Lab File: VV023023.D
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Tgt Ion: 83 Resp: 3844
 Ion Ratio Lower Upper
 83 100
 85 75.3 46.8 86.8





#27

1,2-Dichloroethane

Concen: 0.146 ug/L

RT: 5.046 min Scan# 11

Delta R.T. -0.090 min

Lab File: VV023023.D

Acq: 23 Oct 2021 20:35

Instrument :

MSVOA_V

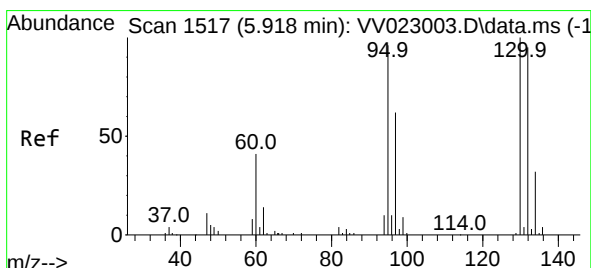
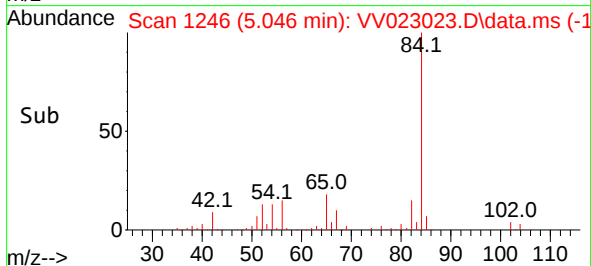
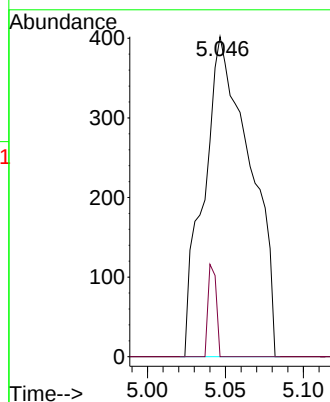
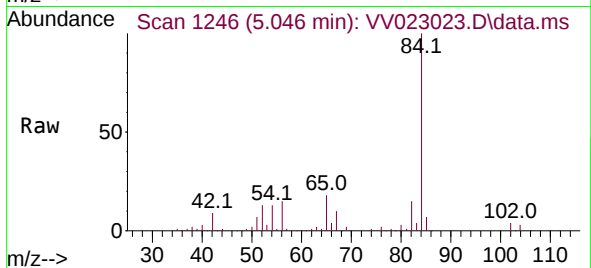
ClientSampleId :

Tgt Ion: 62 Resp: 829

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#34

Trichloroethene

Concen: 0.394 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. -0.000 min

Lab File: VV023023.D

Acq: 23 Oct 2021 20:35

Tgt Ion: 95 Resp: 2207

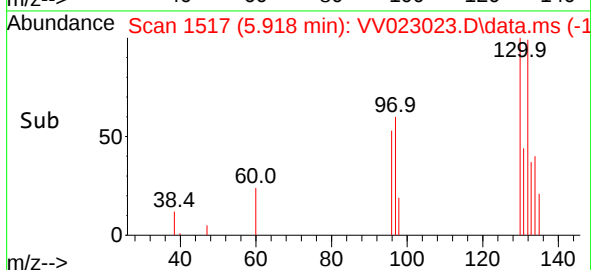
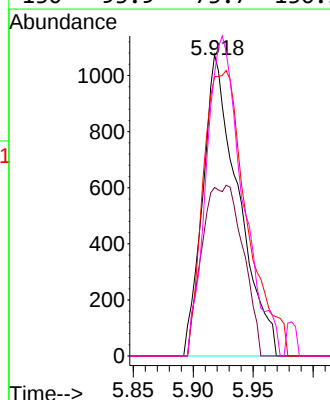
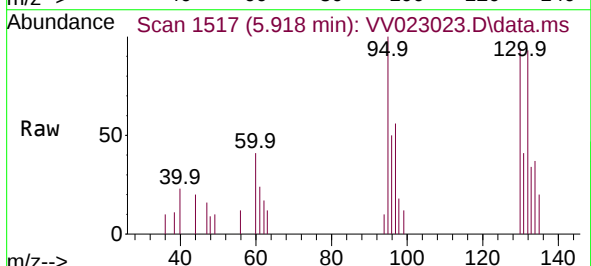
Ion Ratio Lower Upper

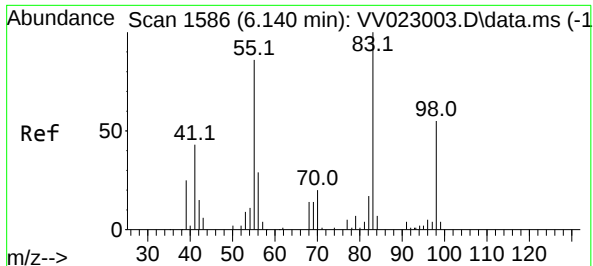
95 100

97 56.0 45.0 83.6

132 92.7 69.7 129.4

130 93.9 73.7 136.9





#35

Methylcyclohexane

Concen: 1.243 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.068 min

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ClientSampleId :

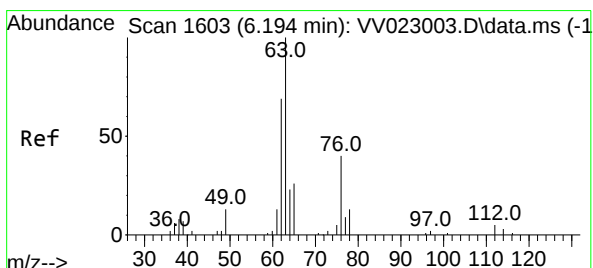
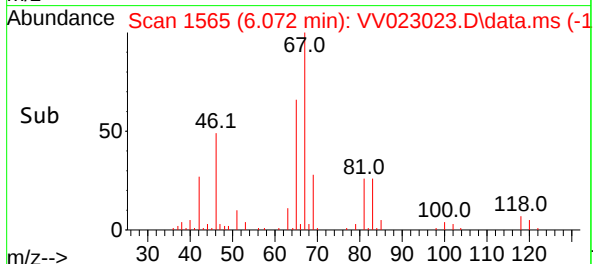
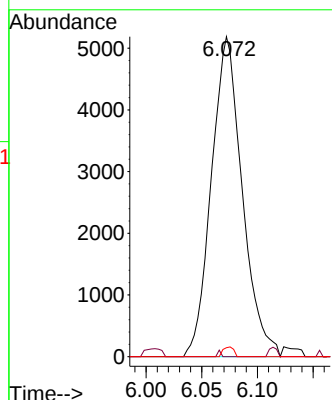
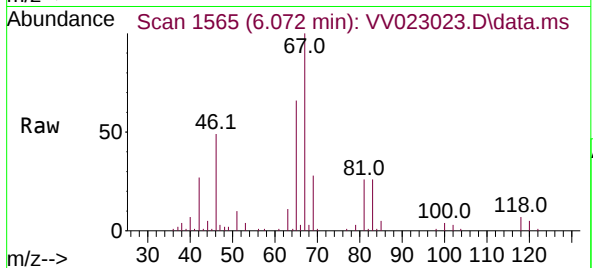
Tgt Ion: 83 Resp: 9978

Ion Ratio Lower Upper

83 100

55 0.2 62.8 94.2#

98 1.0 37.9 56.9#



#37

1,2-Dichloropropane

Concen: 0.795 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.122 min

Lab File: VV023023.D

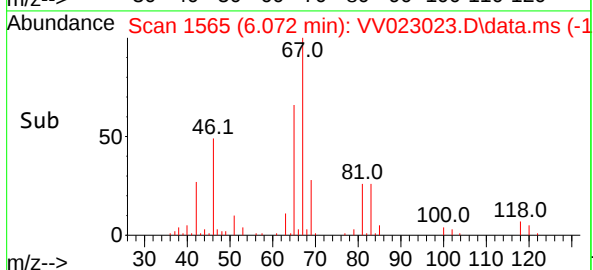
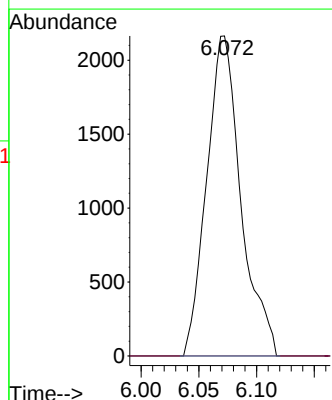
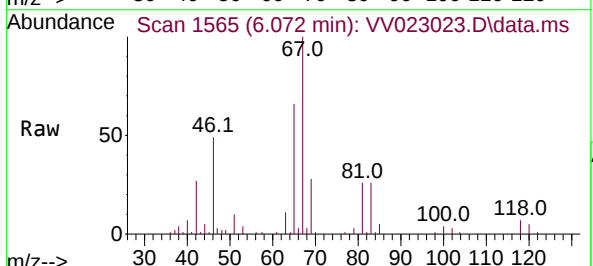
Acq: 23 Oct 2021 20:35

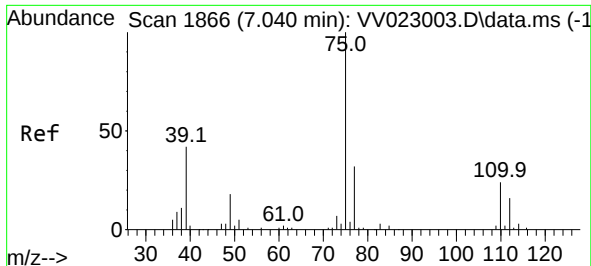
Tgt Ion: 63 Resp: 4472

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.113 ug/L

RT: 6.989 min Scan# 1866

Delta R.T. -0.051 min

Lab File: VV023023.D

Acq: 23 Oct 2021 20:35

Instrument :

MSVOA_V

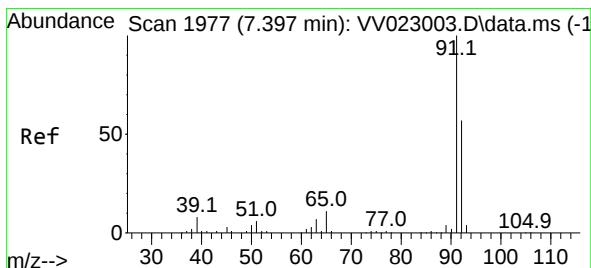
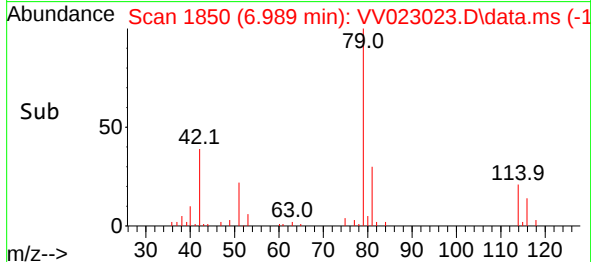
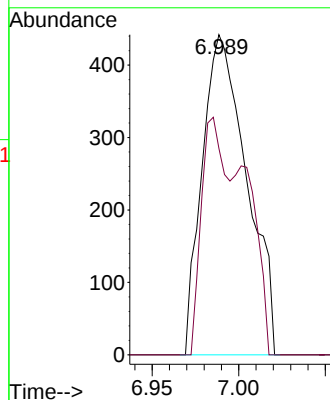
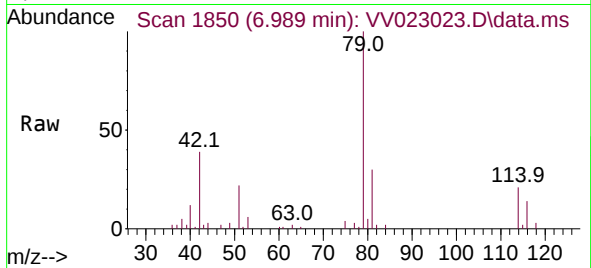
ClientSampleId :

Tgt Ion: 75 Resp: 790

Ion Ratio Lower Upper

75 100

77 64.5 21.6 40.2#



#42

Toluene

Concen: 0.186 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.003 min

Lab File: VV023023.D

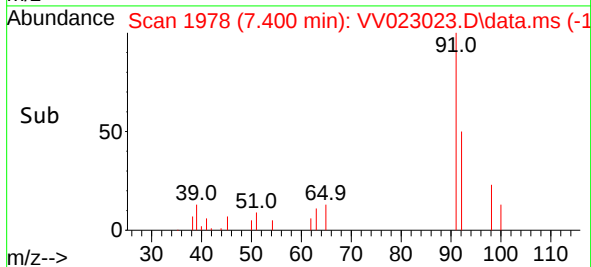
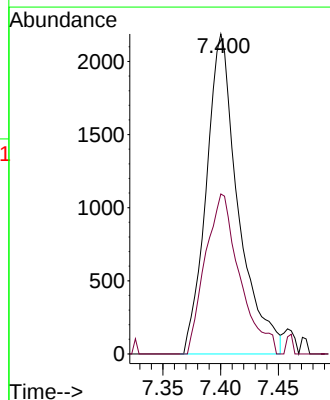
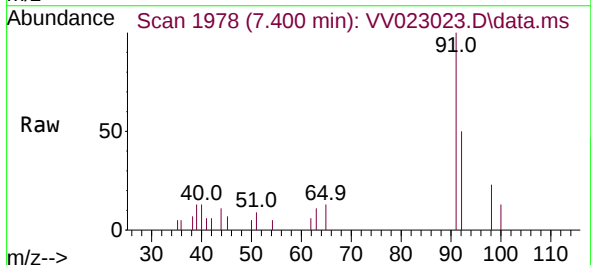
Acq: 23 Oct 2021 20:35

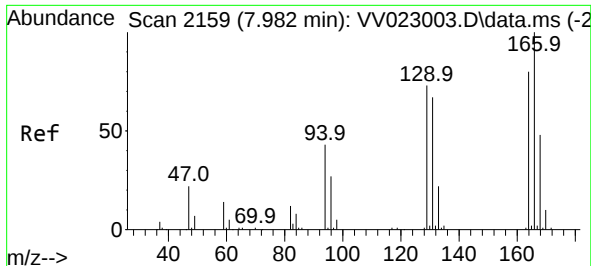
Tgt Ion: 91 Resp: 4203

Ion Ratio Lower Upper

91 100

92 50.0 39.3 72.9





#47

Tetrachloroethene

Concen: 2.100 ug/L

RT: 7.979 min Scan# 2159

Delta R.T. -0.003 min

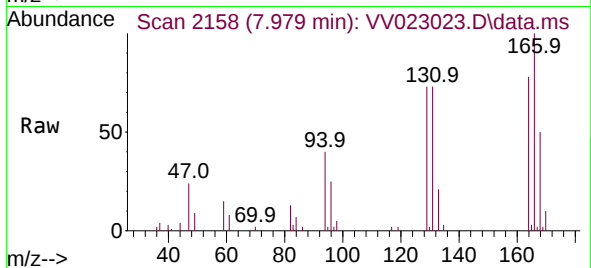
Lab File: VV023023.D

Acq: 23 Oct 2021 20:35

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 9948

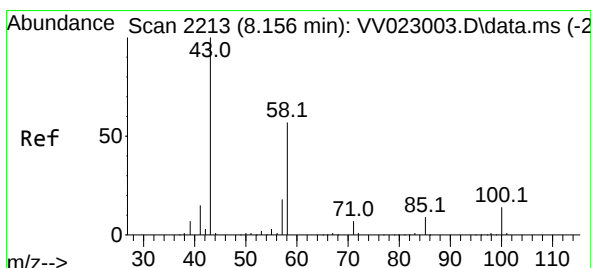
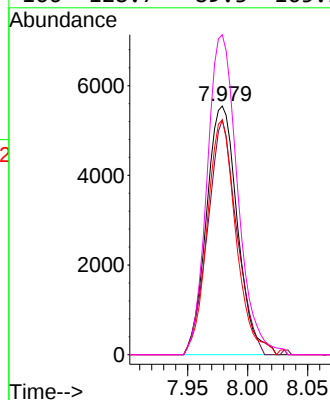
Ion Ratio Lower Upper

164 100

129 94.4 64.0 119.0

131 94.4 63.4 117.8

166 128.7 89.3 165.9



#48

2-Hexanone

Concen: 2.488 ug/L

RT: 8.156 min Scan# 2213

Delta R.T. -0.000 min

Lab File: VV023023.D

Acq: 23 Oct 2021 20:35

Tgt Ion: 43 Resp: 4892

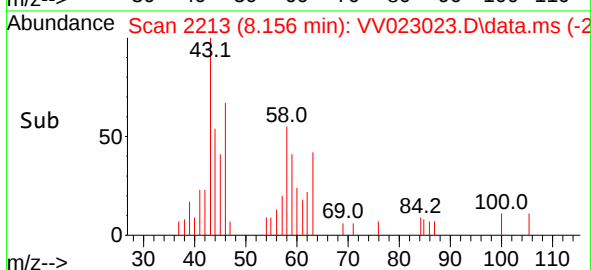
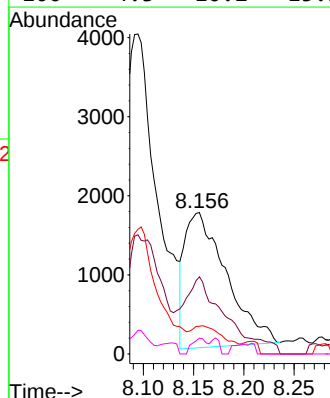
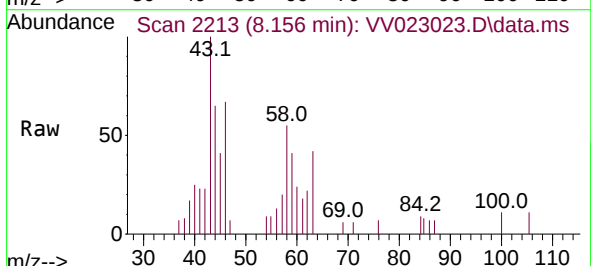
Ion Ratio Lower Upper

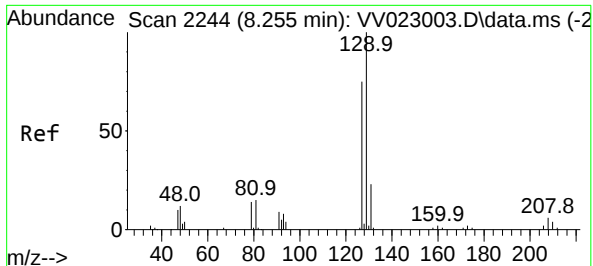
43 100

58 56.6 43.7 65.5

57 15.6 14.1 21.1

100 4.3 10.2 15.2#





#49

Dibromochloromethane

Concen: 1.689 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.277 min

Lab File: VV023023.D

Acq: 23 Oct 2021 20:35

Instrument :

MSVOA_V

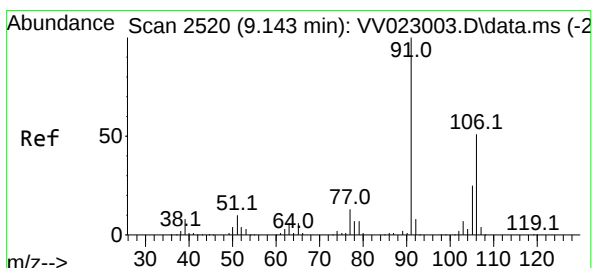
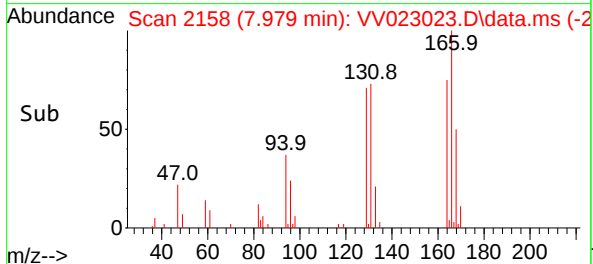
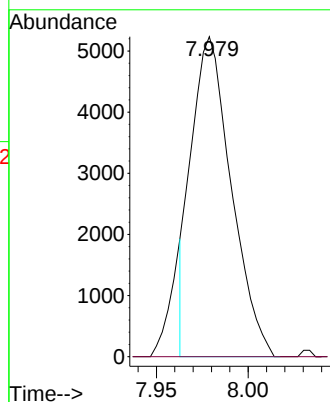
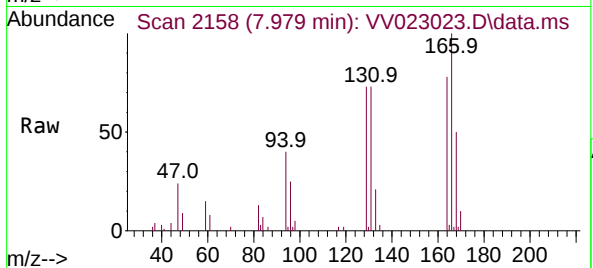
ClientSampleId :

Tgt Ion:129 Resp: 7910

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#53

m,p-xylene

Concen: 0.083 ug/L

RT: 9.156 min Scan# 2524

Delta R.T. 0.013 min

Lab File: VV023023.D

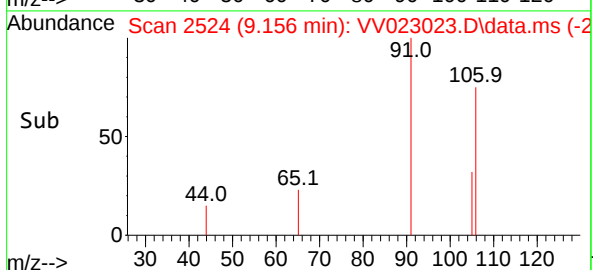
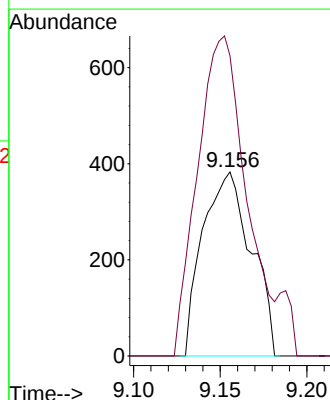
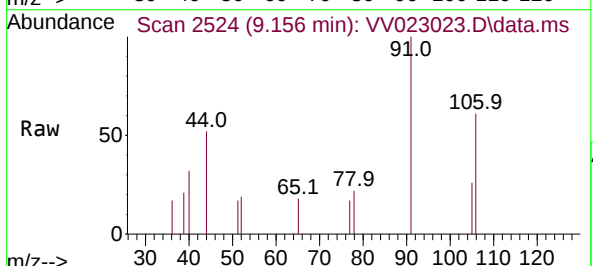
Acq: 23 Oct 2021 20:35

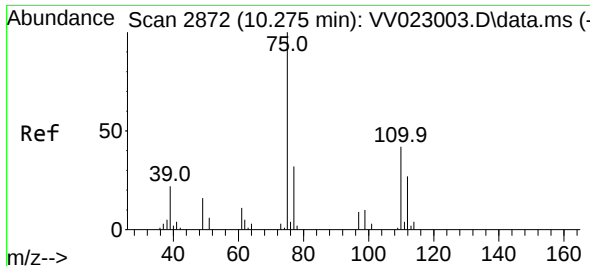
Tgt Ion:106 Resp: 746

Ion Ratio Lower Upper

106 100

91 163.2 137.2 254.8

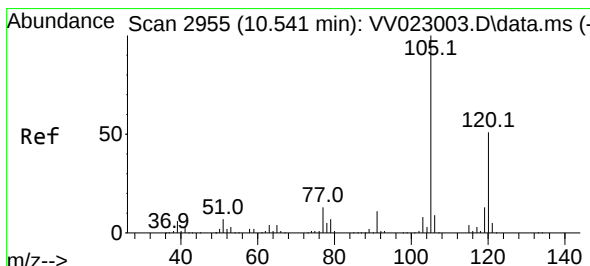
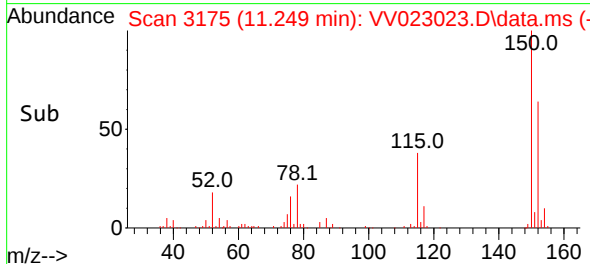
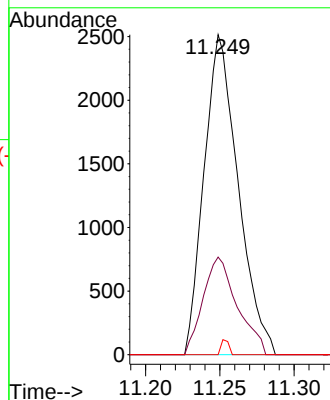
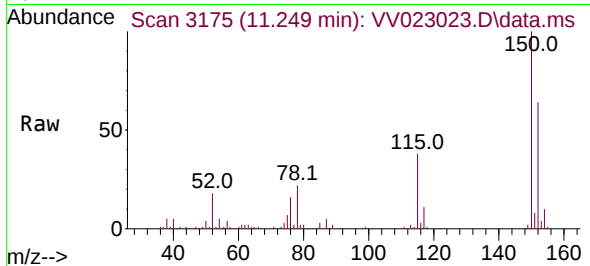




#61
 1,2,3-Trichloropropane
 Concen: 1.649 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.974 min
 Lab File: VV023023.D
 Acq: 23 Oct 2021 20:35

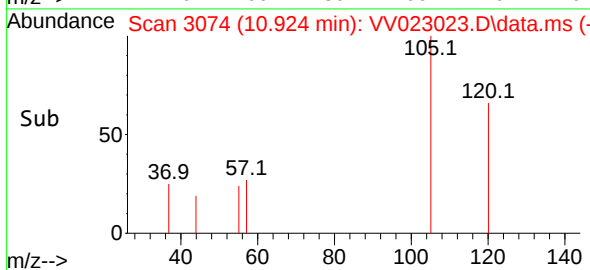
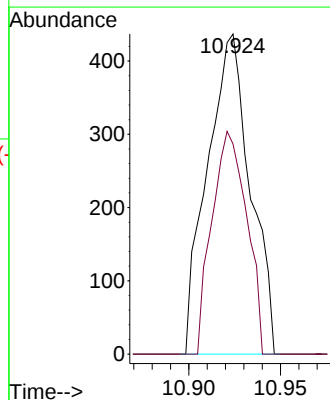
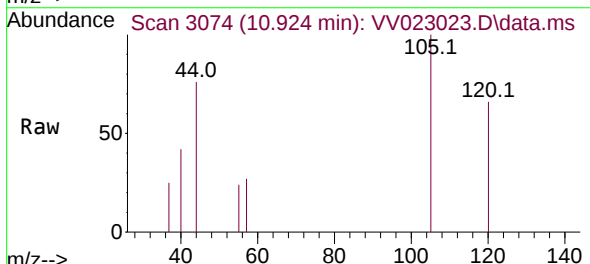
Instrument :
 MSVOA_V
 ClientSampleId :

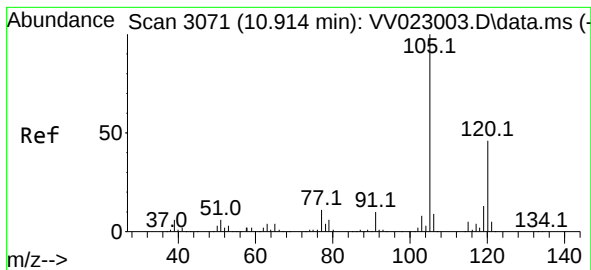
Tgt Ion: 75 Resp: 4002
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.6 39.8
 110 1.1 31.8 47.6#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.051 ug/L
 RT: 10.924 min Scan# 3074
 Delta R.T. 0.383 min
 Lab File: VV023023.D
 Acq: 23 Oct 2021 20:35

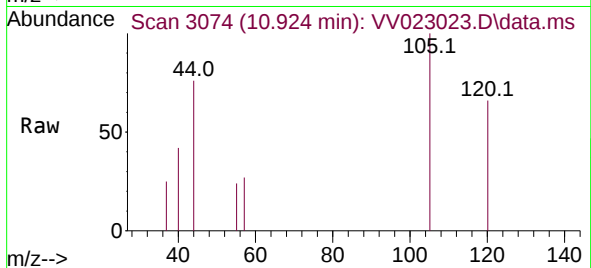
Tgt Ion: 105 Resp: 711
 Ion Ratio Lower Upper
 105 100
 120 56.4 39.7 59.5





#63
 1,2,4-Trimethylbenzene
 Concen: 0.051 ug/L
 RT: 10.924 min Scan# 3074
 Delta R.T. 0.010 min
 Lab File: VV023023.D
 Acq: 23 Oct 2021 20:35

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:105 Resp: 711
 Ion Ratio Lower Upper
 105 100
 120 56.4 37.4 56.2#

