

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102321\
 Data File : VW023009.D
 Acq On : 23 Oct 2021 14:59
 Operator : SY/MD
 Sample : M4277-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 25 01:06:43 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	118902	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	122514	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	52753	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	57386	5.523	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 110.400%		
7) Chloroethane-d5	1.568	69	36484	5.677	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 113.600%		
11) 1,1-Dichloroethene-d2	2.105	63	58740	3.919	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 78.400%		
20) 2-Butanone-d5	3.899	46	102609	61.565	ug/L	-0.05
Spiked Amount	50.000	Range 40 - 130	Recovery	= 123.120%		
24) Chloroform-d	4.352	84	94741	5.609	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 112.200%		
26) 1,2-Dichloroethane-d4	5.034	65	44054	5.533	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 110.600%		
32) Benzene-d6	5.053	84	188299	5.264	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 105.200%		
36) 1,2-Dichloropropane-d6	6.069	67	61498	5.585	ug/L	-0.02
Spiked Amount	5.000	Range 60 - 140	Recovery	= 111.800%		
41) Toluene-d8	7.320	98	155609	4.843	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 96.800%		
43) trans-1,3-Dichloroprop...	7.625	79	17675	4.582	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 91.600%		
46) 2-Hexanone-d5	8.092	63	77217	54.061	ug/L	-0.01
Spiked Amount	50.000	Range 45 - 130	Recovery	= 108.120%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42150	5.544	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 110.800%		
66) 1,2-Dichlorobenzene-d4	11.625	152	57114	6.068	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 121.400%#		
Target Compounds				Qvalue		
3) Chloromethane	1.240	50	612	0.075	ug/L	98
5) Vinyl chloride	1.310	62	369	0.044	ug/L #	1
6) Bromomethane	1.529	94	213	0.050	ug/L	99
12) 1,1-Dichloroethene	2.108	96	549	0.090	ug/L #	1
13) Acetone	2.195	43	2930	3.583	ug/L	88
15) Methyl Acetate	2.462	43	853	0.274	ug/L #	47
17) Methyl tert-butyl Ether	2.770	73	3511	0.242	ug/L #	86
22) cis-1,2-Dichloroethene	3.915	96	6212	0.843	ug/L #	85
25) Chloroform	4.378	83	8729	0.553	ug/L	97
34) Trichloroethene	5.918	95	24507	2.959	ug/L	98
35) Methylcyclohexane	6.072	83	14589	1.230	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	6553	0.789	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	1358	0.131	ug/L #	73
42) Toluene	7.400	91	6695	0.200	ug/L	97
45) 1,1,2-Trichloroethane	7.976	97	1772	0.305	ug/L #	9
47) Tetrachloroethene	7.976	164	202248	28.903	ug/L	99
48) 2-Hexanone	8.146	43	6772	2.332	ug/L #	72
49) Dibromochloromethane	7.976	129	159926	23.120	ug/L #	10
61) 1,2,3-Trichloropropane	11.185	75	984	0.265	ug/L #	40

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QLast Update : Mon Oct 25 01:03:32 2021
Response via : Initial Calibration

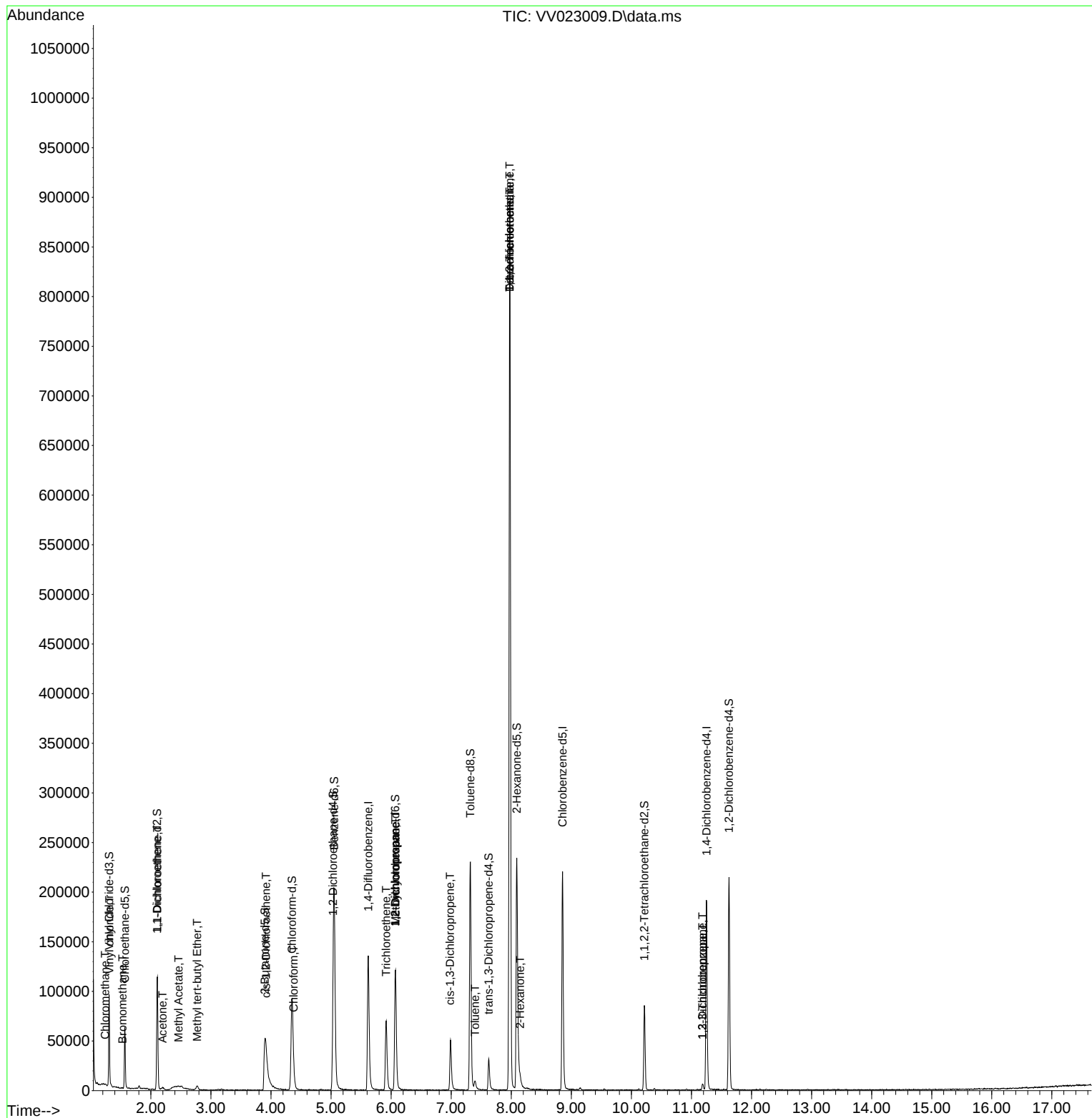
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.185	146	2991	0.213	ug/L	93

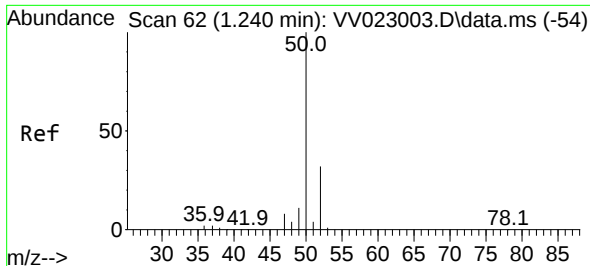
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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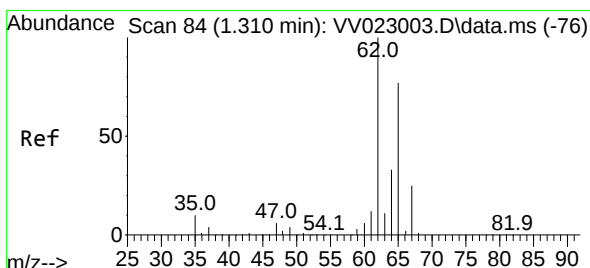
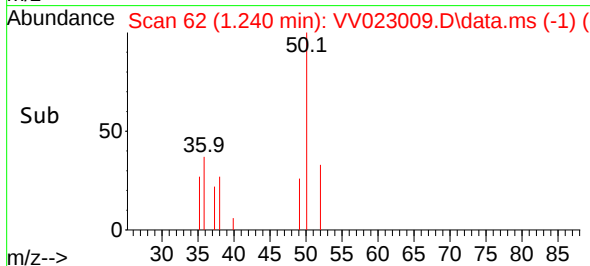
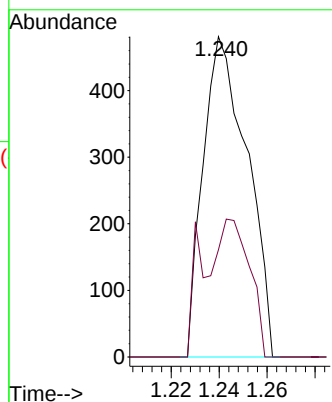
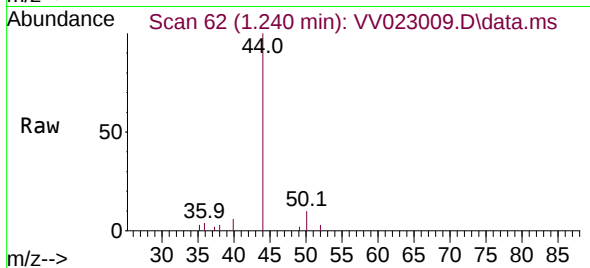




#3
Chloromethane
Concen: 0.075 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

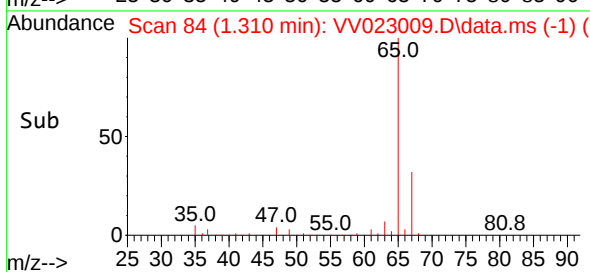
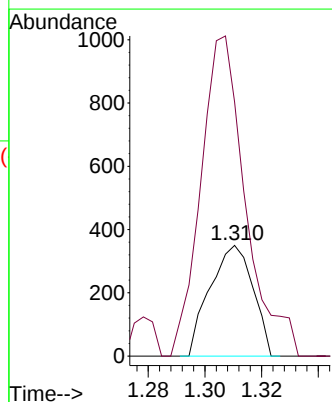
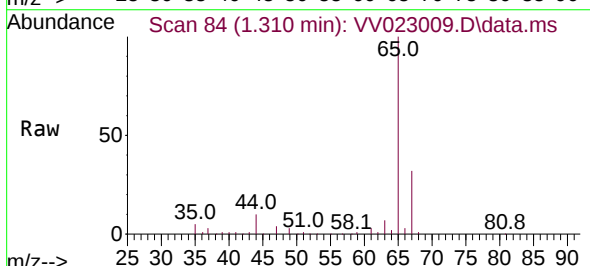
Instrument :
MSVOA_V
ClientSampleId :

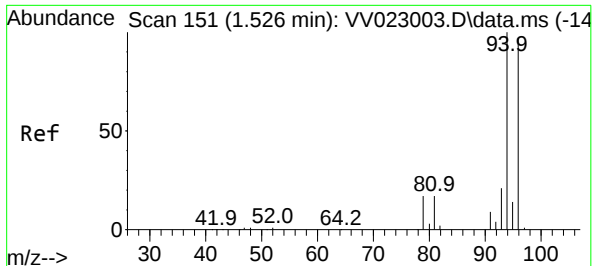
Tgt Ion: 50 Resp: 612
Ion Ratio Lower Upper
50 100
52 33.5 24.3 45.1



#5
Vinyl chloride
Concen: 0.044 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

Tgt Ion: 62 Resp: 369
Ion Ratio Lower Upper
62 100
64 229.4 23.1 42.9#

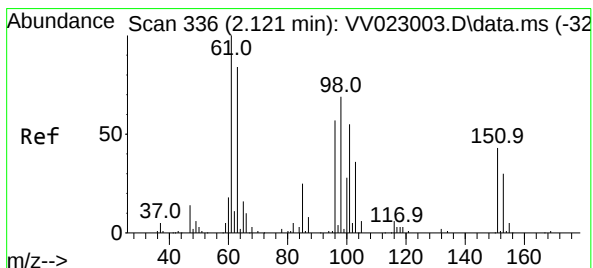
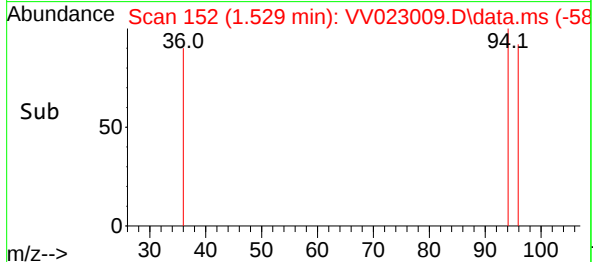
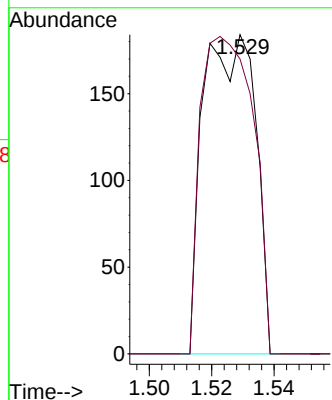
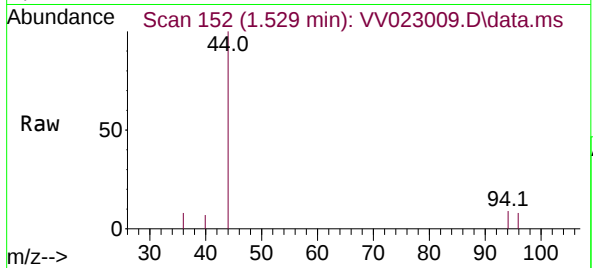




#6
Bromomethane
Concen: 0.050 ug/L
RT: 1.529 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

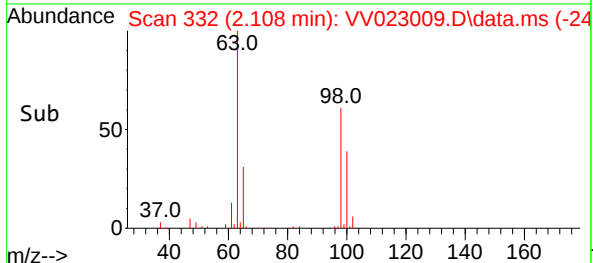
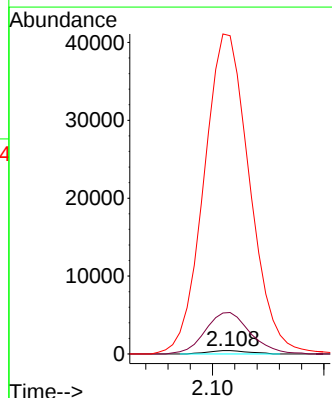
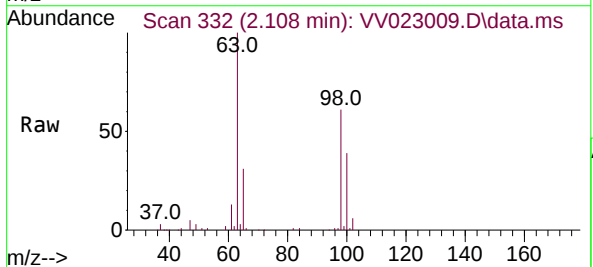
Instrument :
MSVOA_V
ClientSampleId :

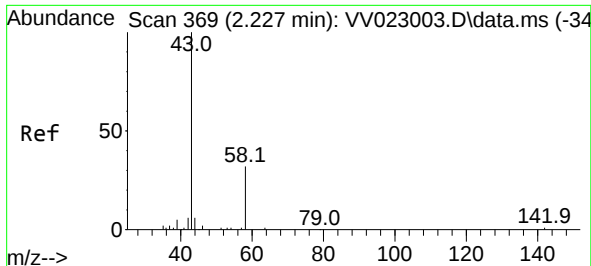
Tgt Ion: 94 Resp: 213
Ion Ratio Lower Upper
94 100
96 92.4 65.0 120.8



#12
1,1-Dichloroethene
Concen: 0.090 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.013 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

Tgt Ion: 96 Resp: 549
Ion Ratio Lower Upper
96 100
61 1208.0 121.5 225.7#
63 9287.3 99.6 185.0#

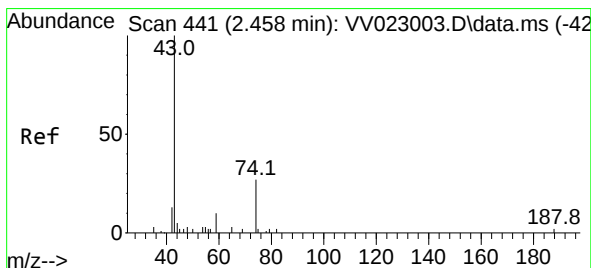
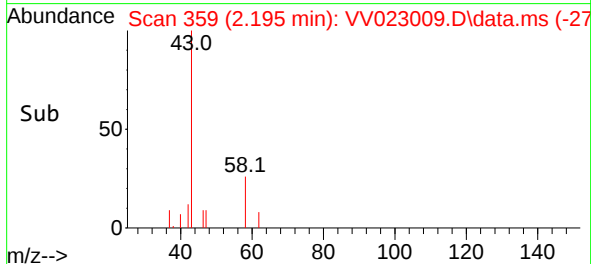
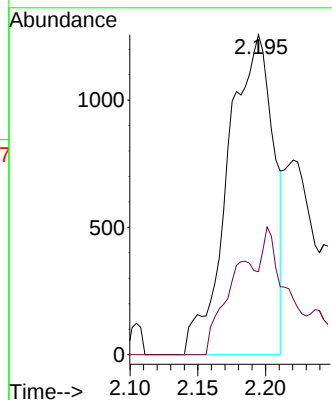
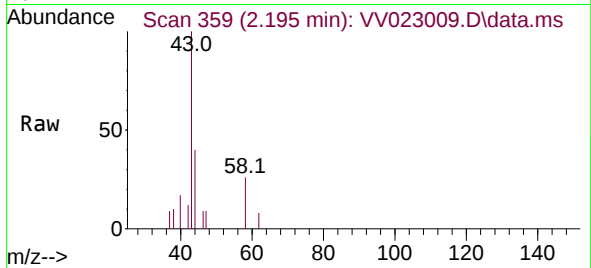




#13
Acetone
Concen: 3.583 ug/L
RT: 2.195 min Scan# 31
Delta R.T. -0.032 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

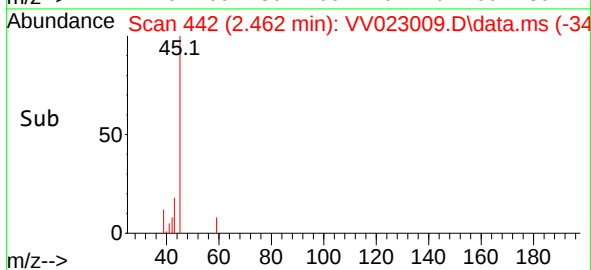
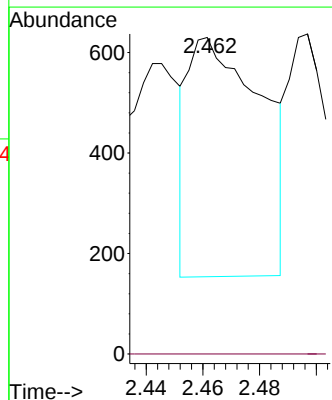
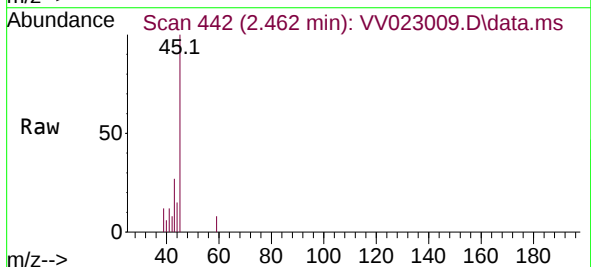
Instrument :
MSVOA_V
ClientSampleId :

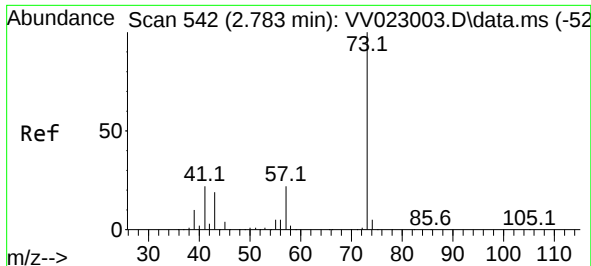
Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
43 100
58 21.2 0.0 55.4



#15
Methyl Acetate
Concen: 0.274 ug/L
RT: 2.462 min Scan# 442
Delta R.T. 0.003 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#





#17

Methyl tert-butyl Ether

Concen: 0.242 ug/L

RT: 2.770 min Scan# 51

Delta R.T. -0.013 min

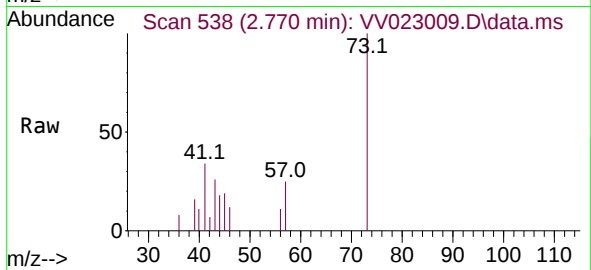
Lab File: VV023009.D

Acq: 23 Oct 2021 14:59

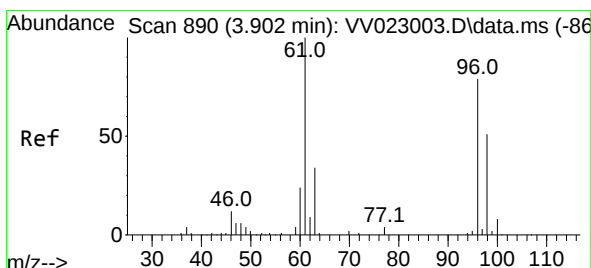
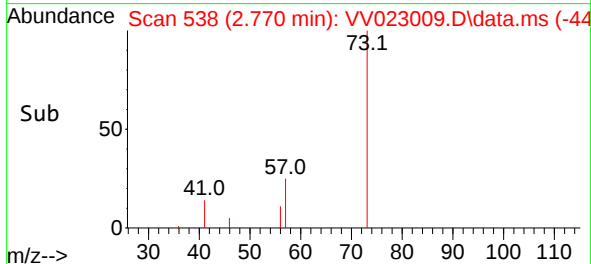
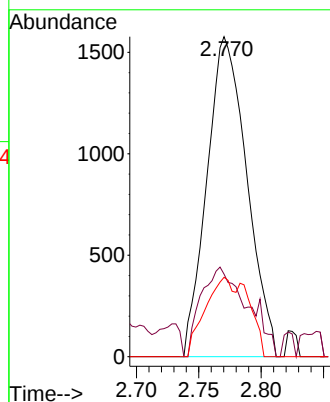
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 73	Resp: 3511
Ion Ratio	Lower Upper
73	100
43	32.5 17.4 26.0#
57	18.4 16.5 24.7



#22

cis-1,2-Dichloroethene

Concen: 0.843 ug/L

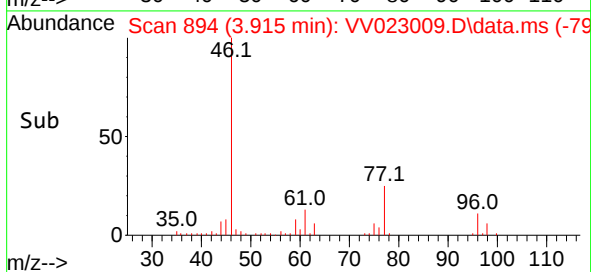
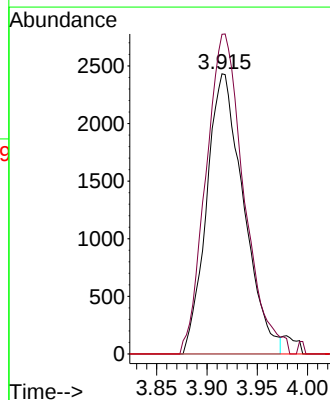
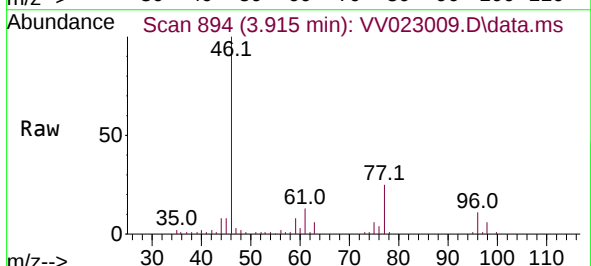
RT: 3.915 min Scan# 894

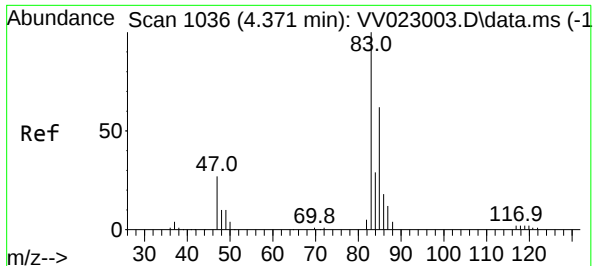
Delta R.T. 0.013 min

Lab File: VV023009.D

Acq: 23 Oct 2021 14:59

Tgt Ion: 96	Resp: 6212
Ion Ratio	Lower Upper
96	100
61	114.1 92.3 171.3
68	0.0 0.4 0.8#





#25

Chloroform

Concen: 0.553 ug/L

RT: 4.378 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VV023009.D

Acq: 23 Oct 2021 14:59

Instrument :

MSVOA_V

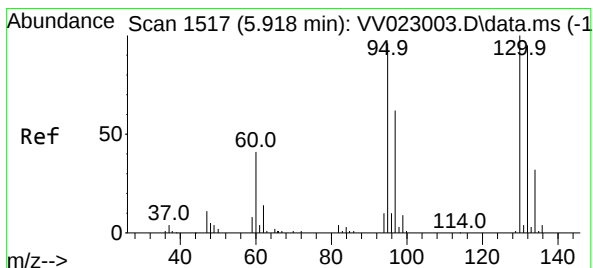
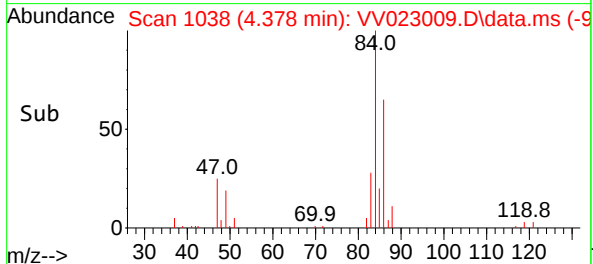
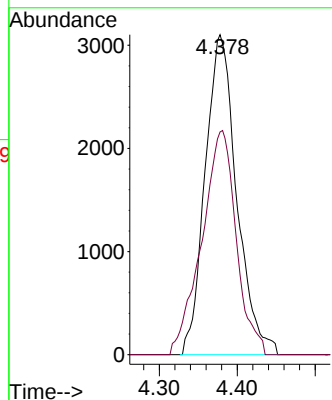
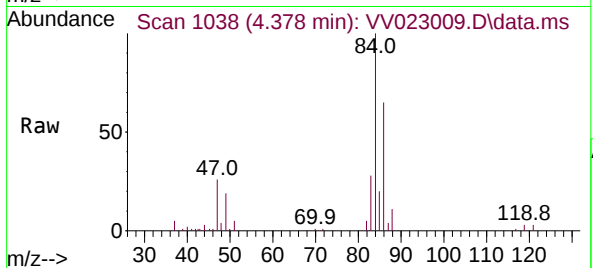
ClientSampleId :

Tgt Ion: 83 Resp: 8729

Ion Ratio Lower Upper

83 100

85 69.6 46.8 86.8



#34

Trichloroethene

Concen: 2.959 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VV023009.D

Acq: 23 Oct 2021 14:59

Tgt Ion: 95 Resp: 24507

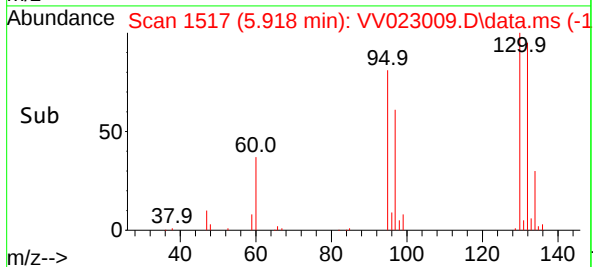
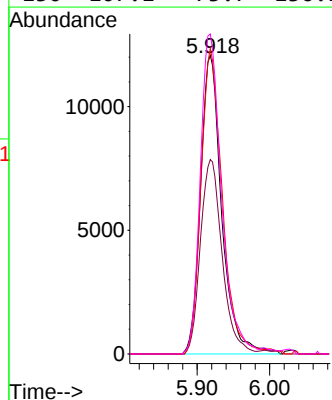
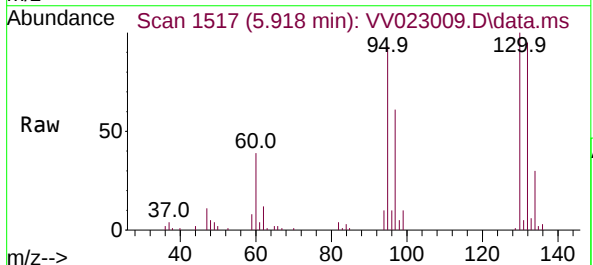
Ion Ratio Lower Upper

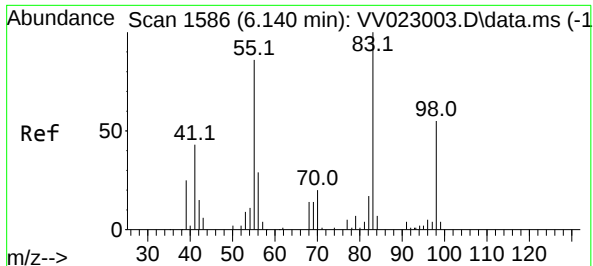
95 100

97 65.1 45.0 83.6

132 102.2 69.7 129.4

130 107.1 73.7 136.9

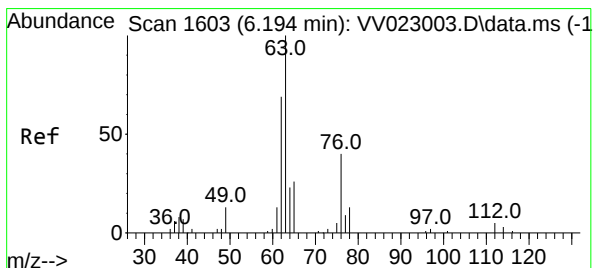
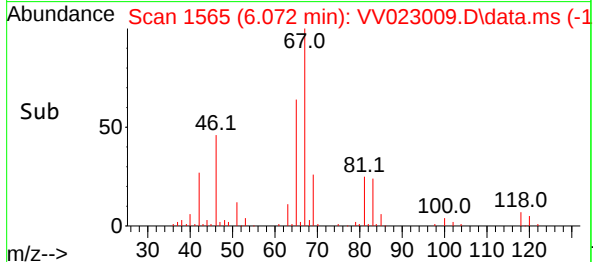
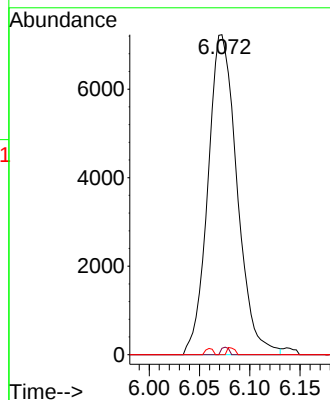
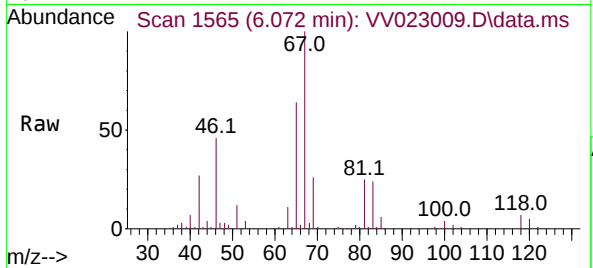




#35
Methylcyclohexane
Concen: 1.230 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.067 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

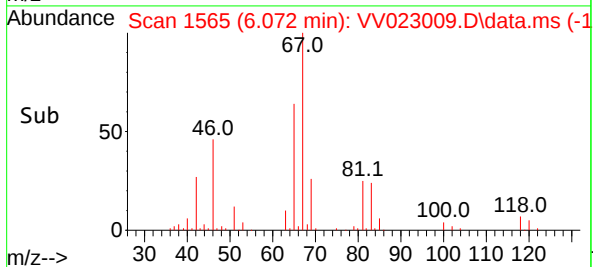
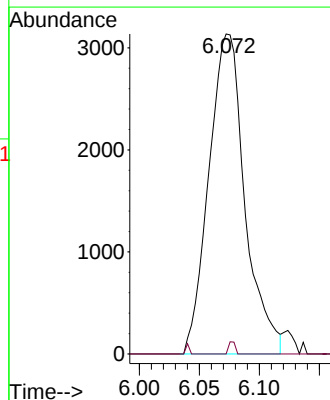
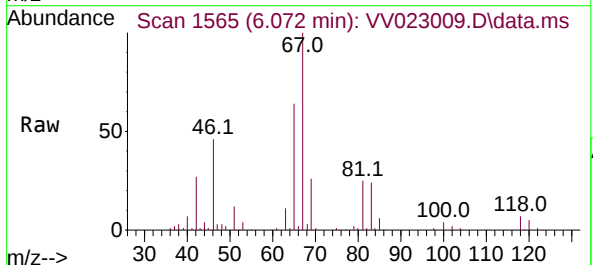
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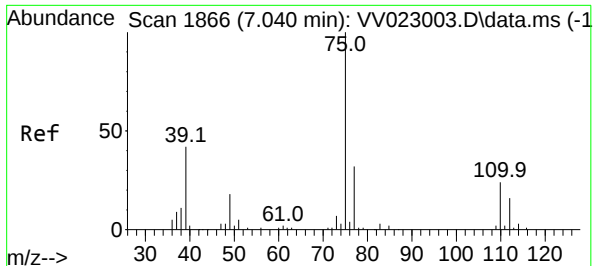
Tgt Ion: 83 Resp: 14589
Ion Ratio Lower Upper
83 100
55 0.6 62.8 94.2#
98 0.6 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.789 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.122 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

Tgt Ion: 63 Resp: 6553
Ion Ratio Lower Upper
63 100
112 0.7 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.131 ug/L

RT: 6.982 min Scan# 1866

Delta R.T. -0.058 min

Lab File: VV023009.D

Acq: 23 Oct 2021 14:59

Instrument :

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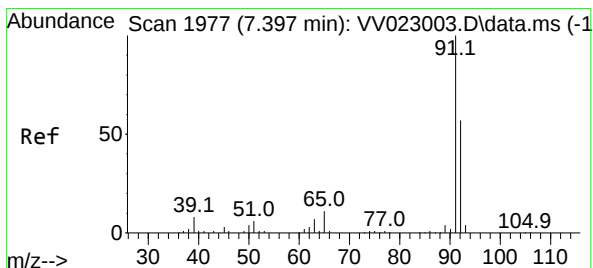
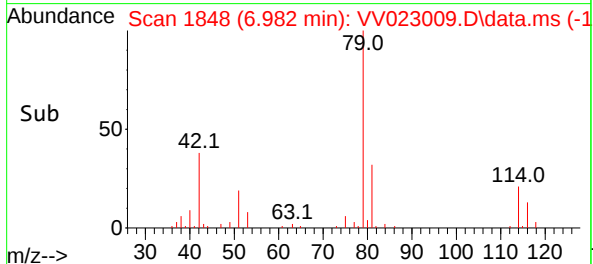
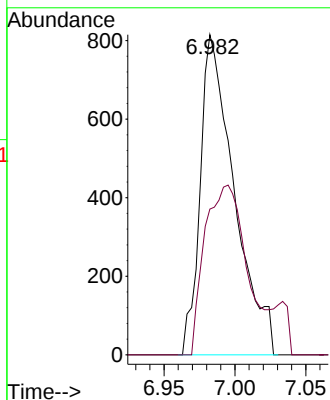
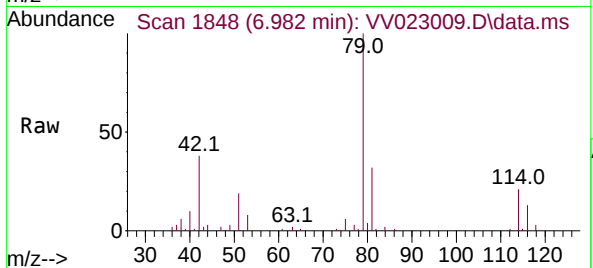
ClientSampleId :

Tgt Ion: 75 Resp: 1358

Ion Ratio Lower Upper

75 100

77 45.5 21.6 40.2#



#42

Toluene

Concen: 0.200 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.003 min

Lab File: VV023009.D

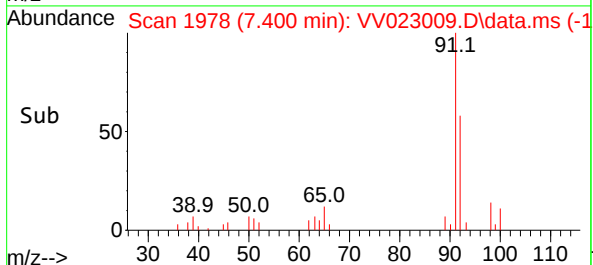
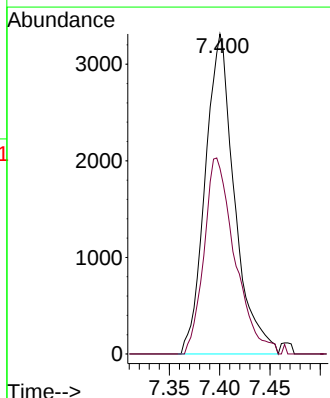
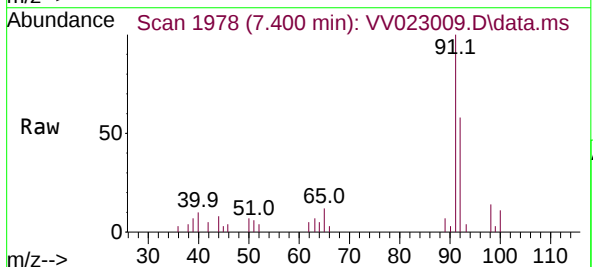
Acq: 23 Oct 2021 14:59

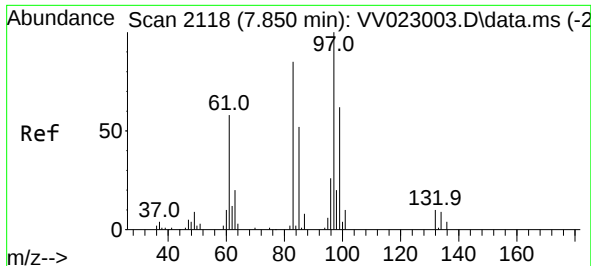
Tgt Ion: 91 Resp: 6695

Ion Ratio Lower Upper

91 100

92 58.0 39.3 72.9





#45

1,1,2-Trichloroethane

Concen: 0.305 ug/L

RT: 7.976 min Scan# 2118

Delta R.T. 0.125 min

Lab File: VV023009.D

Acq: 23 Oct 2021 14:59

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 1772

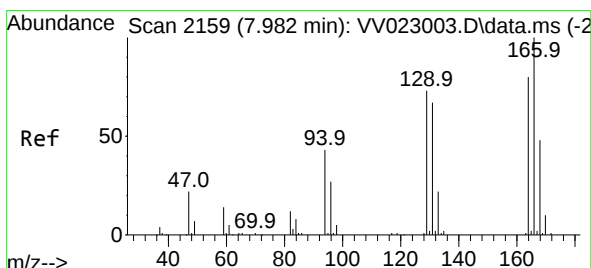
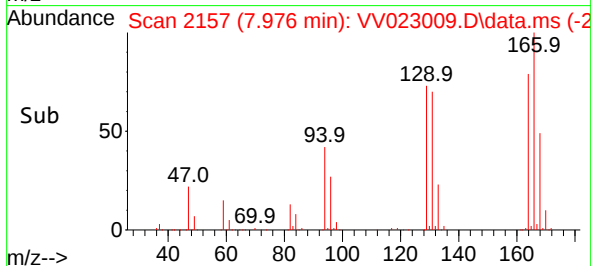
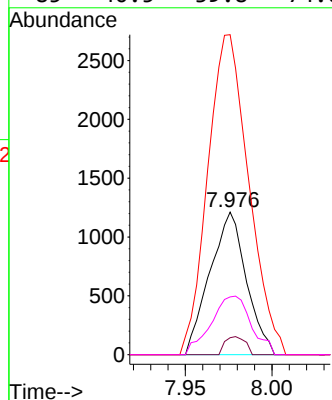
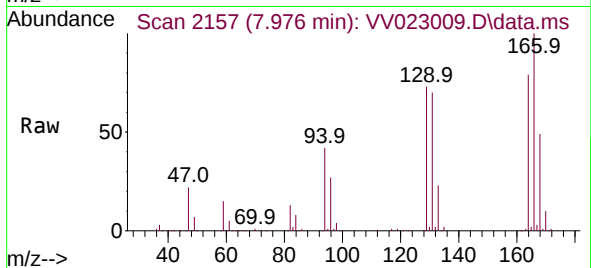
Ion Ratio Lower Upper

97 100

99 11.9 43.6 81.0#

83 224.6 58.4 108.4#

85 40.5 39.8 74.0



#47

Tetrachloroethene

Concen: 28.903 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.006 min

Lab File: VV023009.D

Acq: 23 Oct 2021 14:59

Tgt Ion: 164 Resp: 202248

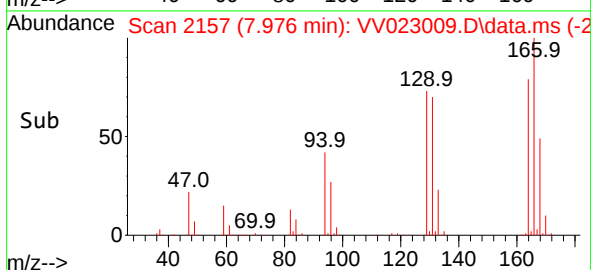
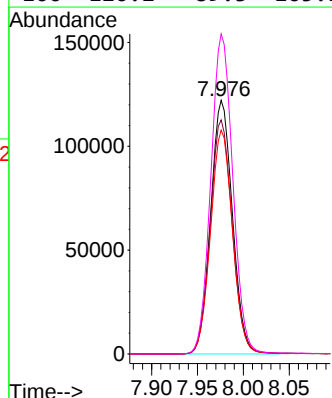
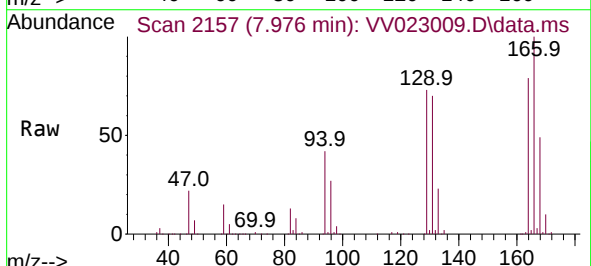
Ion Ratio Lower Upper

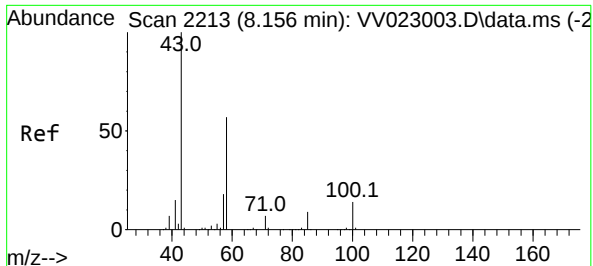
164 100

129 92.3 64.0 119.0

131 88.3 63.4 117.8

166 126.2 89.3 165.9

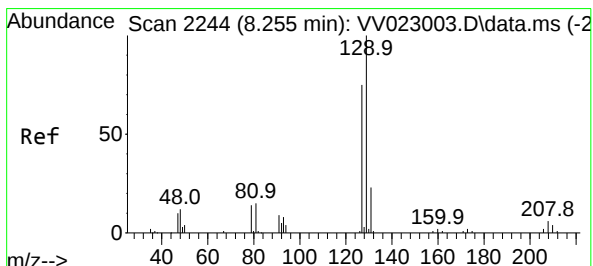
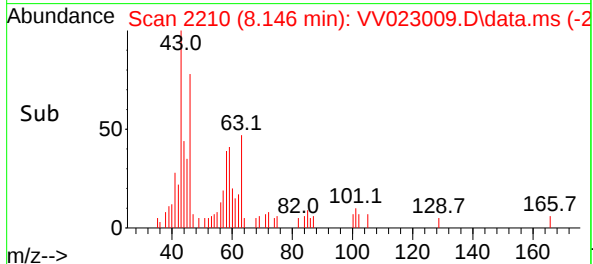
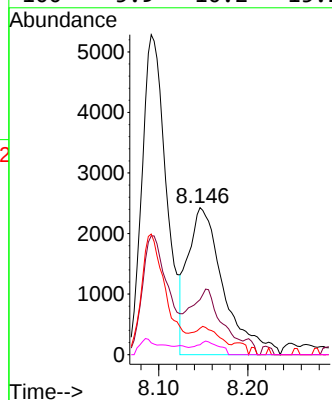
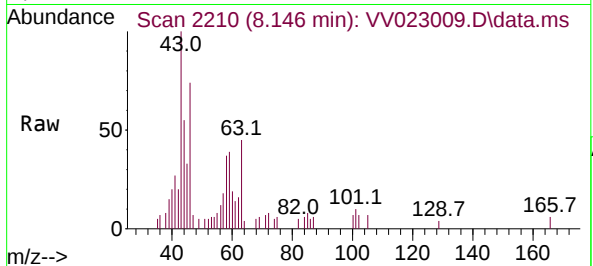




#48
2-Hexanone
Concen: 2.332 ug/L
RT: 8.146 min Scan# 2157
Delta R.T. -0.010 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

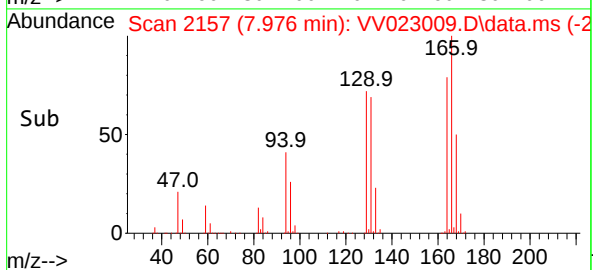
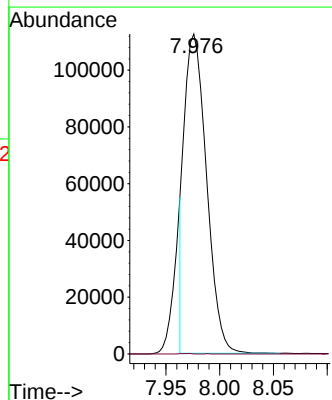
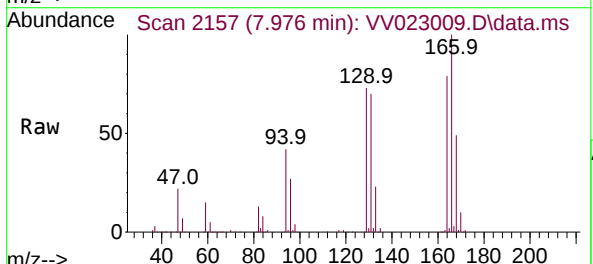
Instrument :
MSVOA_V
ClientSampleId :

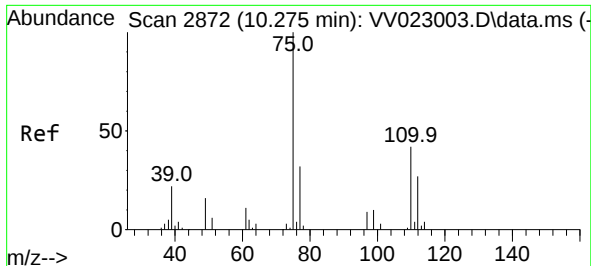
Tgt Ion: 43	Resp: 6772
Ion Ratio	Lower Upper
43 100	
58 28.8	43.7 65.5#
57 13.4	14.1 21.1#
100 5.9	10.2 15.2#



#49
Dibromochloromethane
Concen: 23.120 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.280 min
Lab File: VV023009.D
Acq: 23 Oct 2021 14:59

Tgt Ion:129	Resp: 159926
Ion Ratio	Lower Upper
129 100	
127 0.0	54.7 101.7#

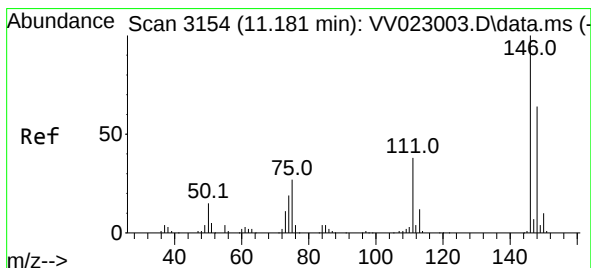
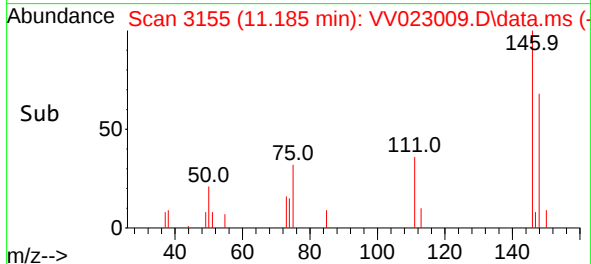
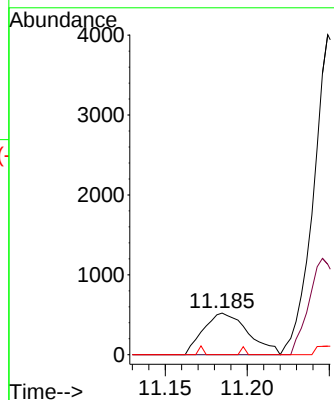
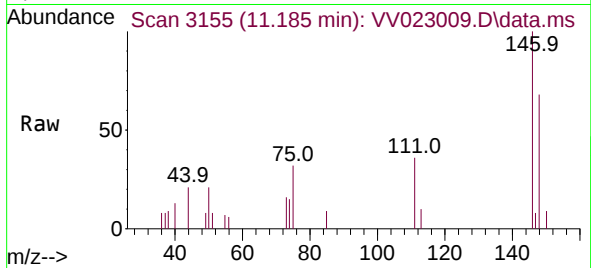




#61
 1,2,3-Trichloropropane
 Concen: 0.265 ug/L
 RT: 11.185 min Scan# 3155
 Delta R.T. 0.910 min
 Lab File: VV023009.D
 Acq: 23 Oct 2021 14:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 75 Resp: 984
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.6 39.8#
 110 2.1 31.8 47.6#



#64
 1,3-Dichlorobenzene
 Concen: 0.213 ug/L
 RT: 11.185 min Scan# 3155
 Delta R.T. 0.003 min
 Lab File: VV023009.D
 Acq: 23 Oct 2021 14:59

Tgt Ion:146 Resp: 2991
 Ion Ratio Lower Upper
 146 100
 111 35.6 26.7 49.7
 148 67.6 42.9 79.7

