

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111021\
 Data File : VW023352.D
 Acq On : 10 Nov 2021 23:49
 Operator : SY/MD
 Sample : M4558-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 11 03:55:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 03:34:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	129601	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	128300	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60227	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	24713	3.044	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.800%
7) Chloroethane-d5	1.568	69	24829	3.752	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.000%
11) 1,1-Dichloroethene-d2	2.108	63	39578	2.604	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.000%#
20) 2-Butanone-d5	3.899	46	96296	68.844	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	137.680%#
24) Chloroform-d	4.352	84	73562	4.251	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.037	65	36744	4.722	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
32) Benzene-d6	5.053	84	136323	4.141	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
36) 1,2-Dichloropropane-d6	6.072	67	44402	4.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.320	98	113541	3.681	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.600%
43) trans-1,3-Dichloroprop...	7.628	79	14108	3.839	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.800%
46) 2-Hexanone-d5	8.091	63	74535	55.132	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.260%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	34097	4.893	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	48004	4.787	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
5) Vinyl chloride	1.310	62	2097	0.195	ug/L #	72
9) Trichlorofluoromethane	1.992	101	2521	0.156	ug/L	99
12) 1,1-Dichloroethene	2.117	96	3044	0.394	ug/L #	1
13) Acetone	2.195	43	3753	4.391	ug/L	92
14) Carbon disulfide	2.297	76	2031	0.070	ug/L	100
15) Methyl Acetate	2.452	43	704	0.291	ug/L	93
18) trans-1,2-Dichloroethene	2.764	96	15807	1.664	ug/L	98
19) 1,1-Dichloroethane	3.198	63	2212	0.138	ug/L #	94
22) cis-1,2-Dichloroethene	3.912	96	1338433	146.384	ug/L #	91
29) 1,1,1-Trichloroethane	4.612	97	8231	0.528	ug/L	96
30) Cyclohexane	4.680	56	2975	0.213	ug/L #	92
31) Carbon tetrachloride	4.619	117	1161	0.083	ug/L	86
33) Benzene	5.104	78	29328	0.818	ug/L	100
34) Trichloroethene	5.915	95	3159586	331.324	ug/L	99
35) Methylcyclohexane	6.072	83	11440	0.760	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	5120	0.612	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1045	0.087	ug/L #	56
42) Toluene	7.400	91	4375	0.114	ug/L	89
45) 1,1,2-Trichloroethane	7.847	97	1342	0.223	ug/L	90

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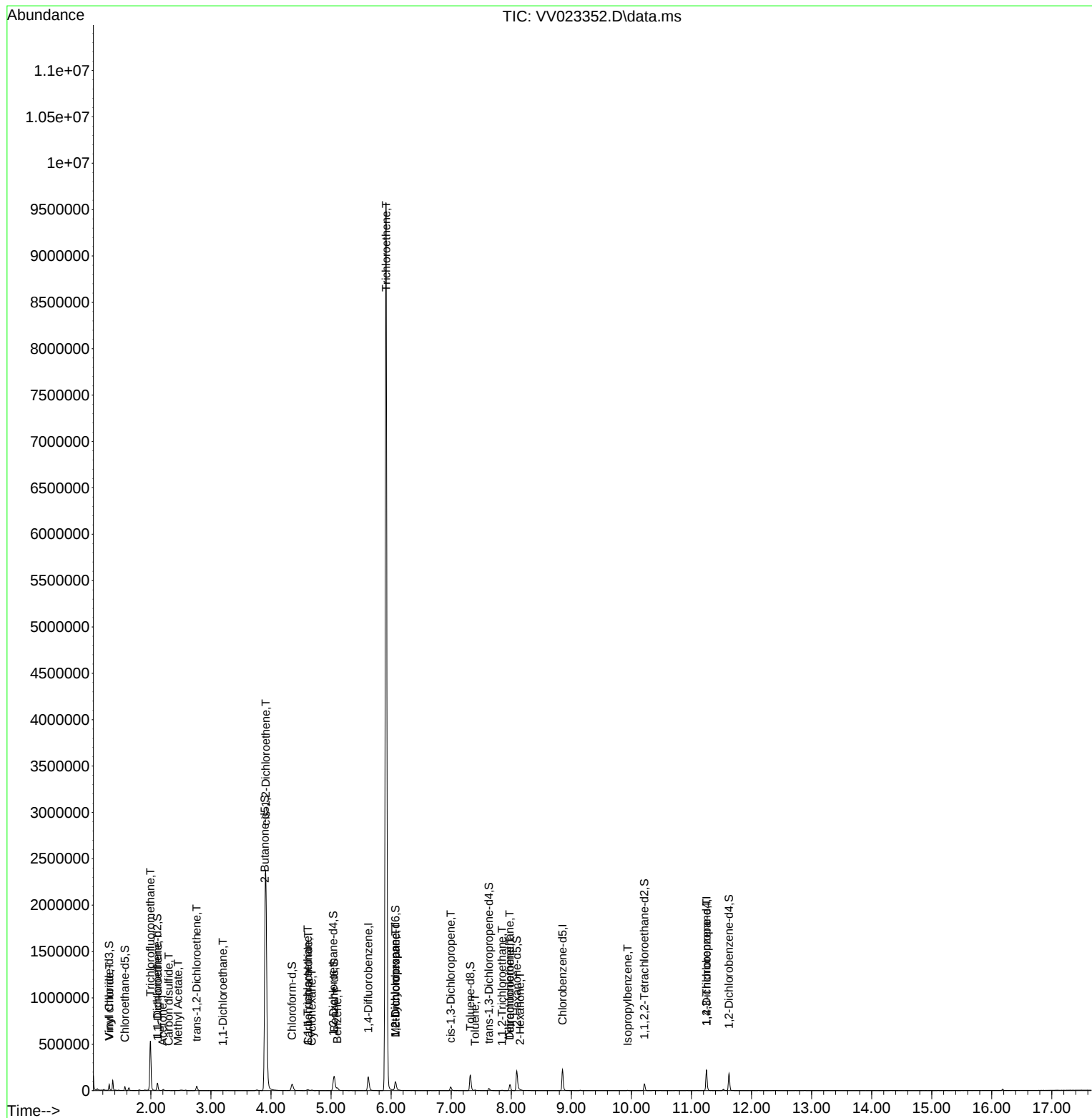
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	7.979	164	14948	1.809	ug/L	97
48) 2-Hexanone	8.146	43	3814	1.402	ug/L #	45
49) Dibromochloromethane	7.976	129	13902	1.824	ug/L #	10
60) Isopropylbenzene	9.937	105	2233	0.065	ug/L	97
61) 1,2,3-Trichloropropane	11.249	75	6446	1.611	ug/L #	66

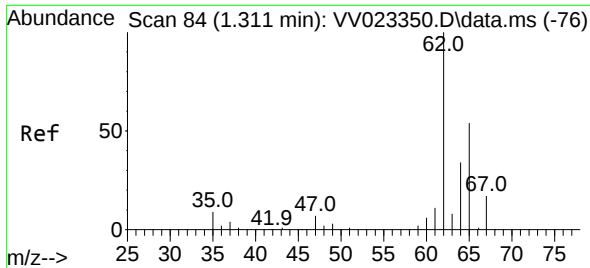
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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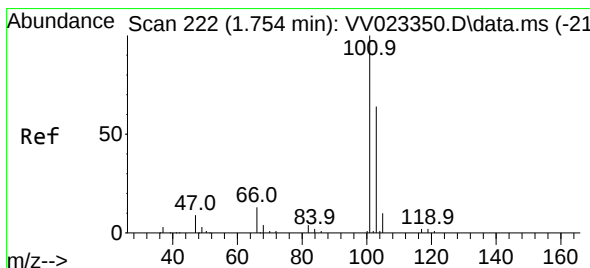
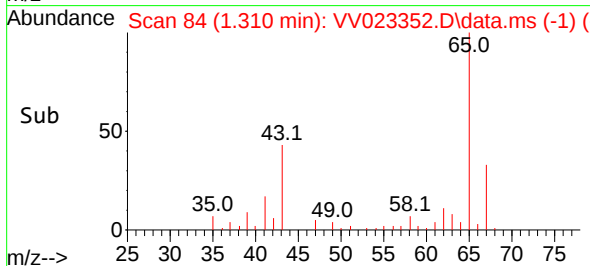
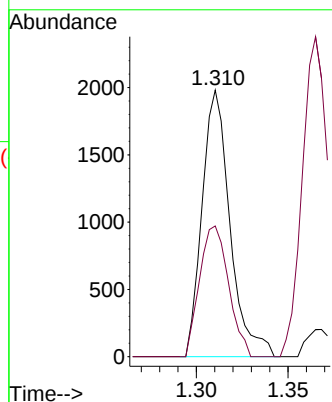
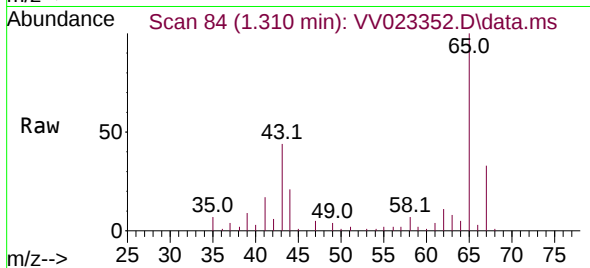




#5
 Vinyl chloride
 Concen: 0.195 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023352.D
 Acq: 10 Nov 2021 23:49

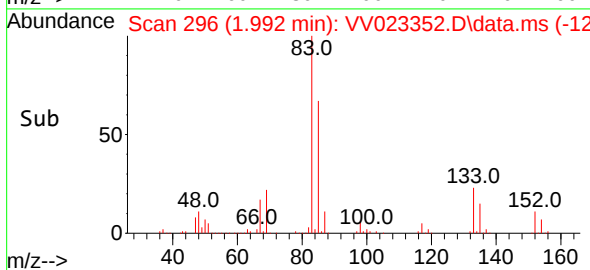
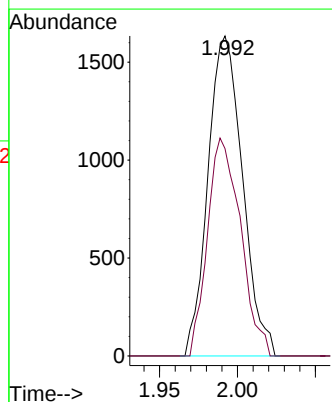
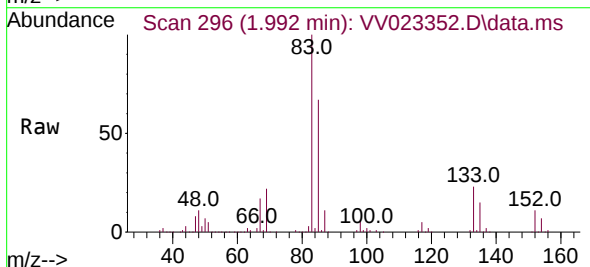
Instrument :
 MSVOA_V
 ClientSampleId :

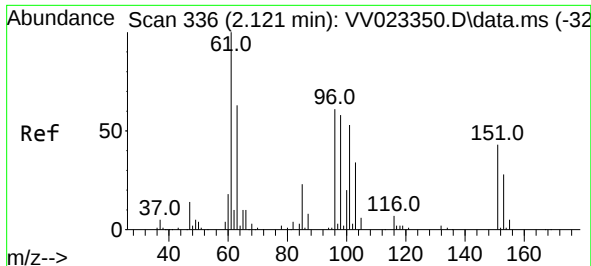
Tgt Ion: 62 Resp: 2097
 Ion Ratio Lower Upper
 62 100
 64 49.1 23.1 42.9#



#9
 Trichlorofluoromethane
 Concen: 0.156 ug/L
 RT: 1.992 min Scan# 296
 Delta R.T. 0.238 min
 Lab File: VV023352.D
 Acq: 10 Nov 2021 23:49

Tgt Ion: 101 Resp: 2521
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 79.0





#12

1,1-Dichloroethene

Concen: 0.394 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023352.D

Acq: 10 Nov 2021 23:49

Instrument :

MSVOA_V

ClientSampleId :

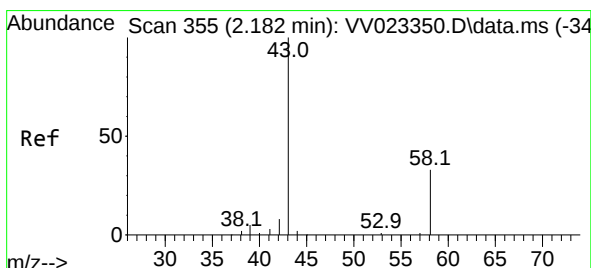
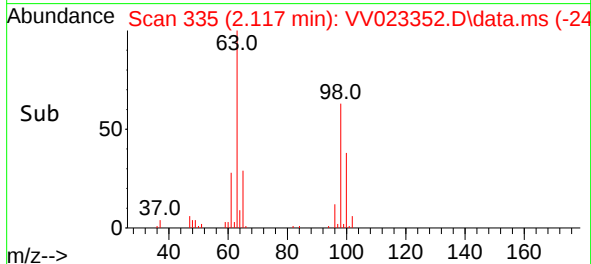
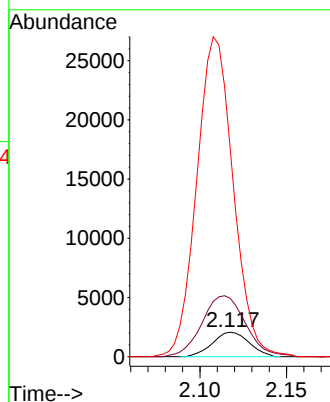
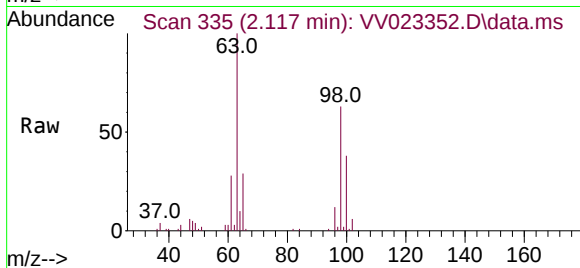
Tgt Ion: 96 Resp: 3044

Ion Ratio Lower Upper

96 100

61 238.7 121.5 225.7#

63 853.8 99.6 185.0#



#13

Acetone

Concen: 4.391 ug/L

RT: 2.195 min Scan# 359

Delta R.T. 0.013 min

Lab File: VV023352.D

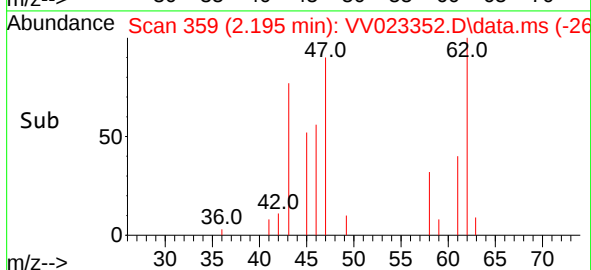
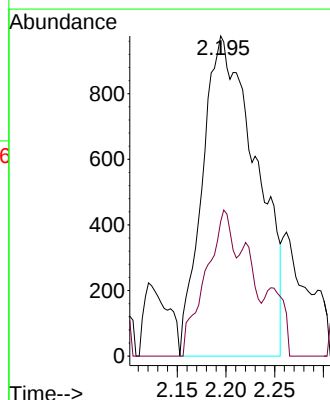
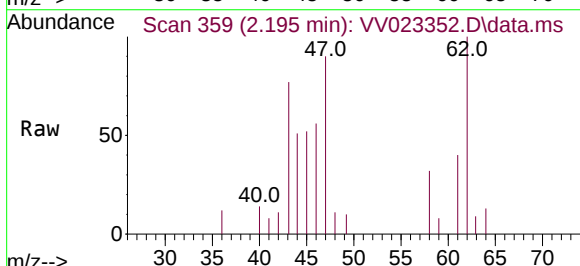
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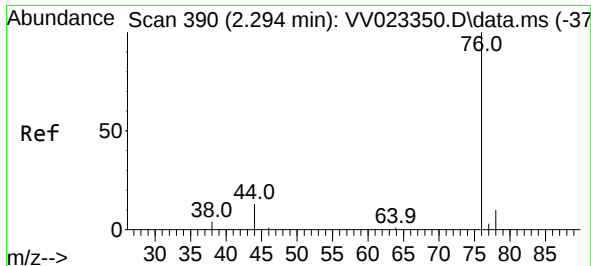
Tgt Ion: 43 Resp: 3753

Ion Ratio Lower Upper

43 100

58 23.8 0.0 55.4

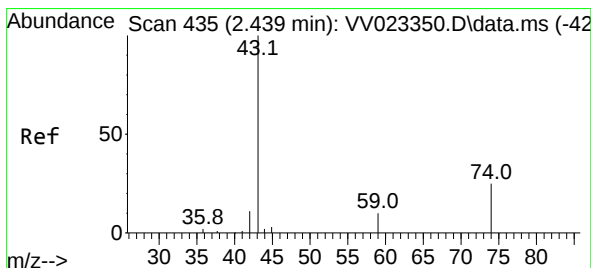
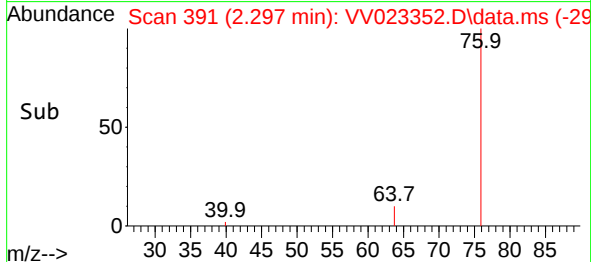
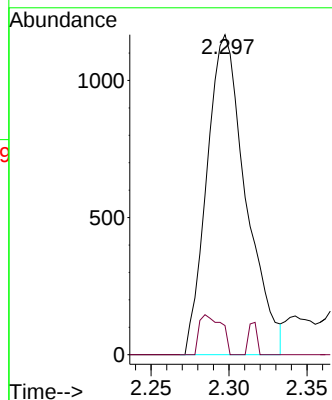
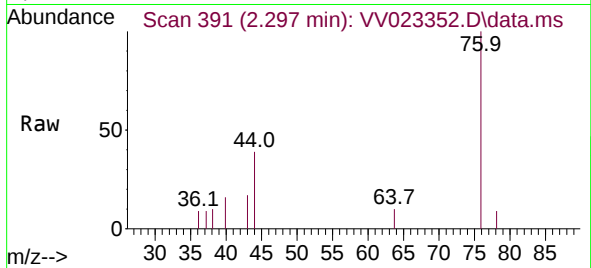




#14
Carbon disulfide
Concen: 0.070 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

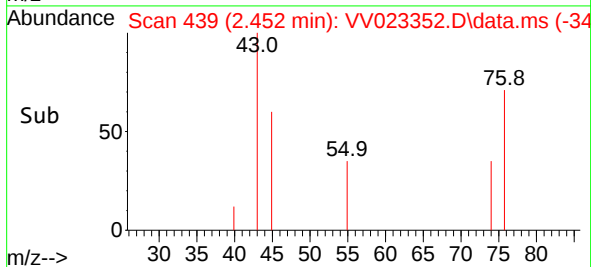
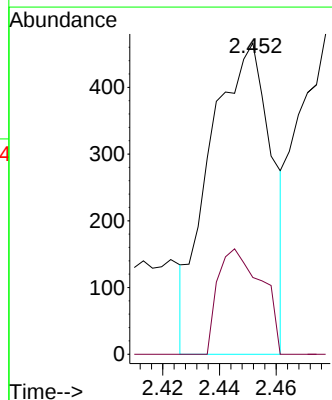
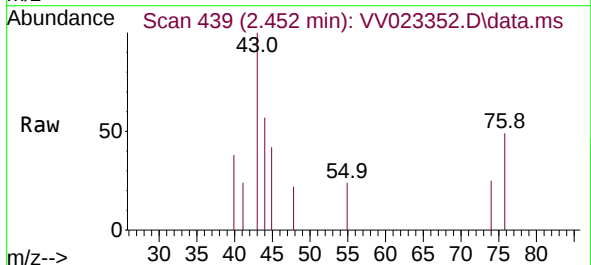
Instrument :
MSVOA_V
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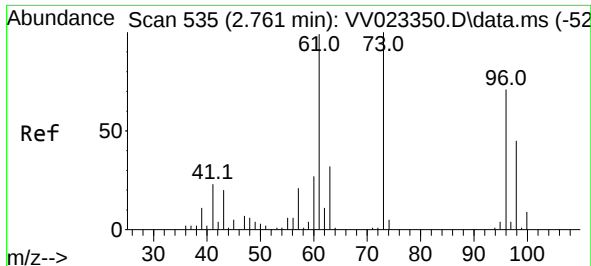
Tgt Ion: 76 Resp: 2031
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#15
Methyl Acetate
Concen: 0.291 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.013 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

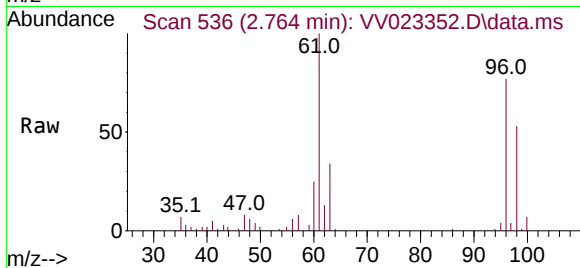
Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
74 24.0 22.2 33.2





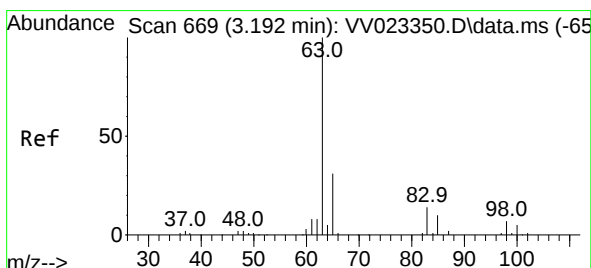
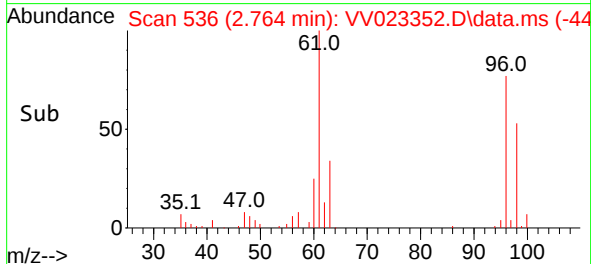
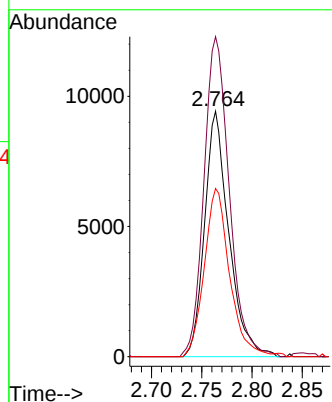
#18
trans-1,2-Dichloroethene
Concen: 1.664 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 15807

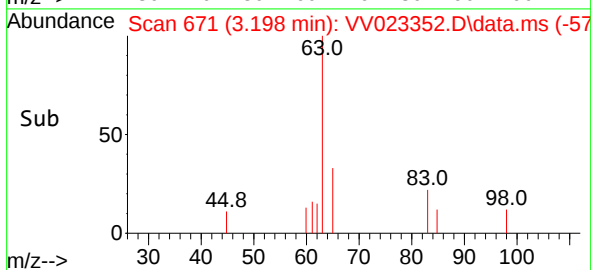
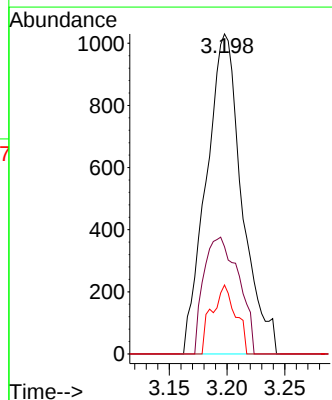
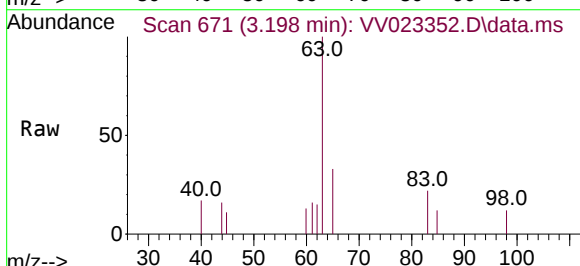
Ion	Ratio	Lower	Upper
96	100		
61	130.4	93.2	173.2
98	68.6	47.0	87.2

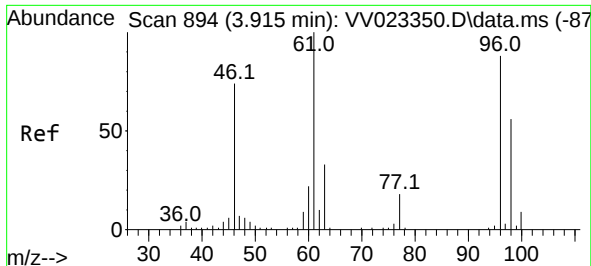


#19
1,1-Dichloroethane
Concen: 0.138 ug/L
RT: 3.198 min Scan# 671
Delta R.T. 0.006 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

Tgt Ion: 63 Resp: 2212

Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.6	42.0
83	21.6	11.1	20.7

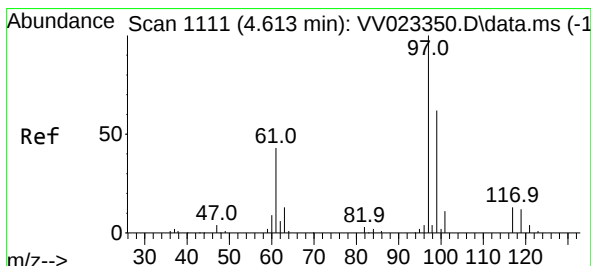
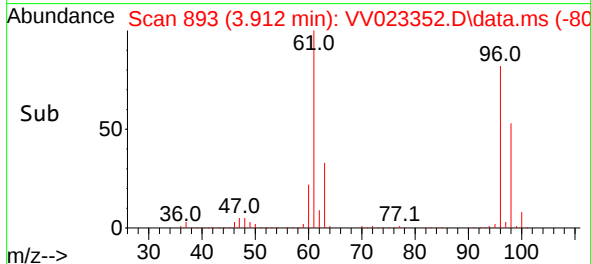
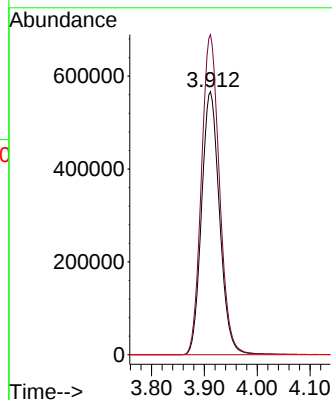
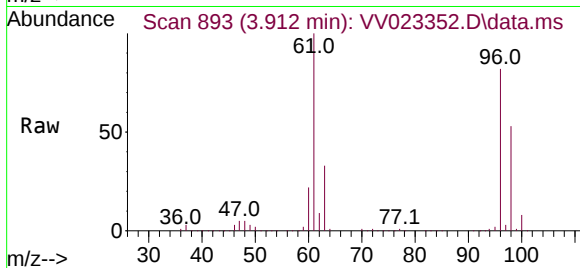




#22
 cis-1,2-Dichloroethene
 Concen: 146.384 ug/L
 RT: 3.912 min Scan# 894
 Delta R.T. -0.003 min
 Lab File: VV023352.D
 Acq: 10 Nov 2021 23:49

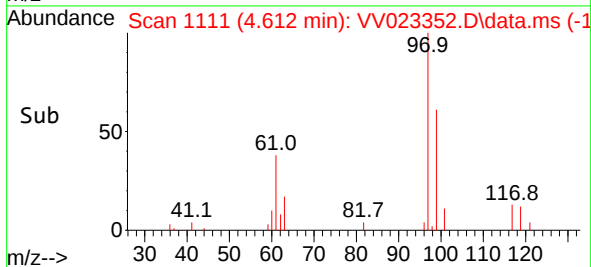
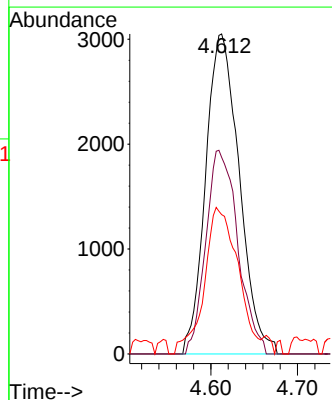
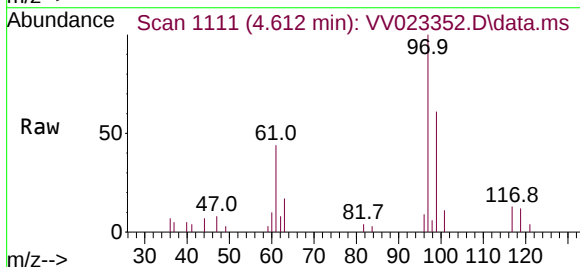
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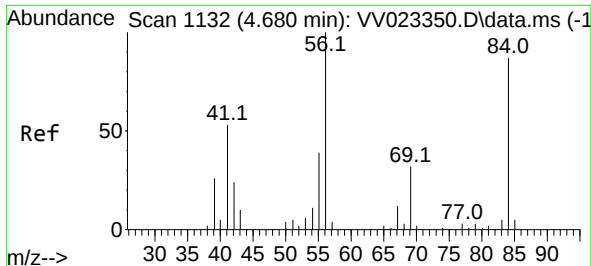
Tgt Ion: 96 Resp: 1338433
 Ion Ratio Lower Upper
 96 100
 61 121.7 92.3 171.3
 68 0.0 0.4 0.8#



#29
 1,1,1-Trichloroethane
 Concen: 0.528 ug/L
 RT: 4.612 min Scan# 1111
 Delta R.T. -0.000 min
 Lab File: VV023352.D
 Acq: 10 Nov 2021 23:49

Tgt Ion: 97 Resp: 8231
 Ion Ratio Lower Upper
 97 100
 99 60.7 51.0 76.4
 61 45.8 34.1 51.1

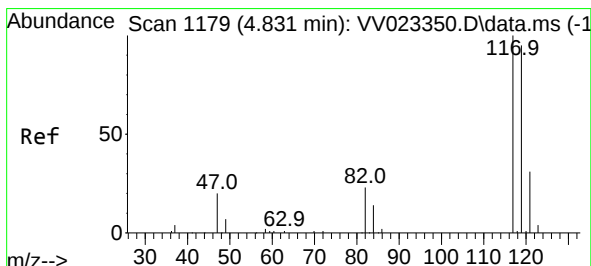
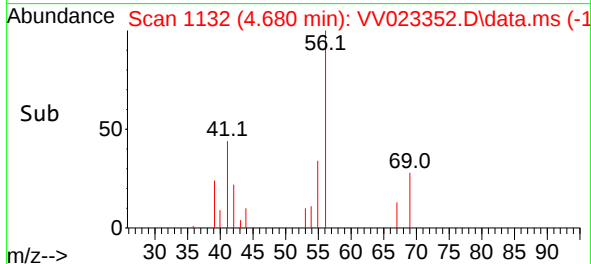
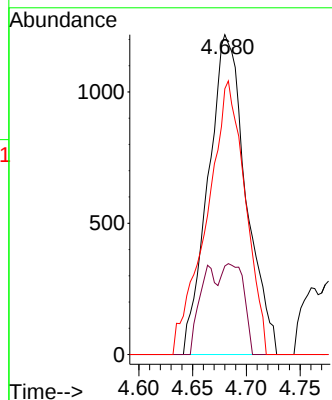
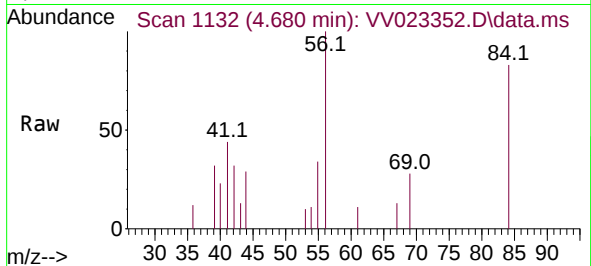




#30
Cyclohexane
Concen: 0.213 ug/L
RT: 4.680 min Scan# 1113
Delta R.T. -0.000 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

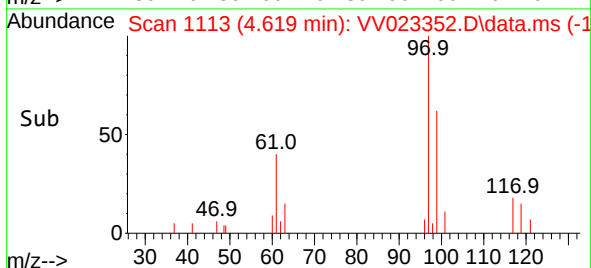
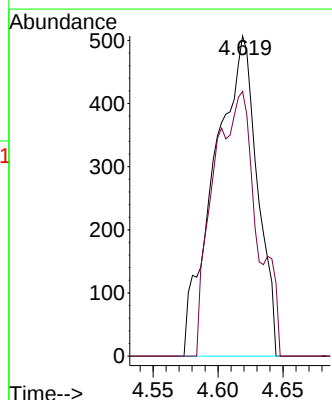
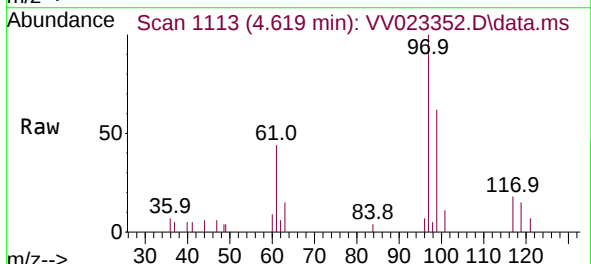
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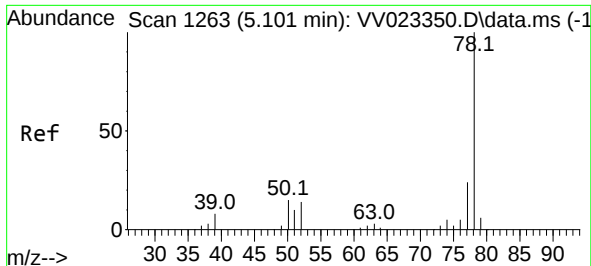
Tgt Ion: 56 Resp: 2975
Ion Ratio Lower Upper
56 100
69 16.8 23.5 35.3#
84 87.2 71.6 107.4



#31
Carbon tetrachloride
Concen: 0.083 ug/L
RT: 4.619 min Scan# 1113
Delta R.T. -0.212 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

Tgt Ion: 117 Resp: 1161
Ion Ratio Lower Upper
117 100
119 84.2 78.8 118.2

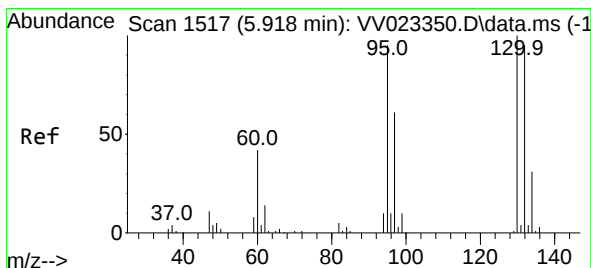
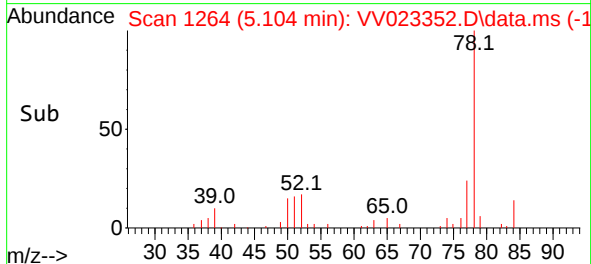
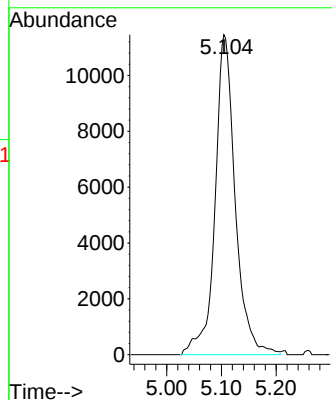
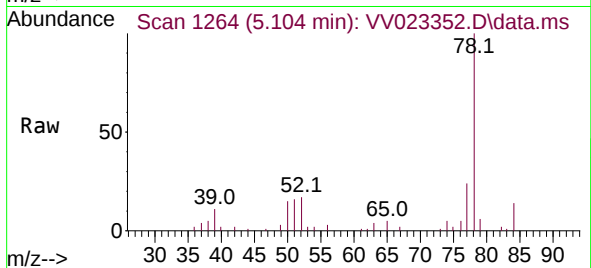




#33
Benzene
Concen: 0.818 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

Instrument :
MSVOA_V
ClientSampleId :

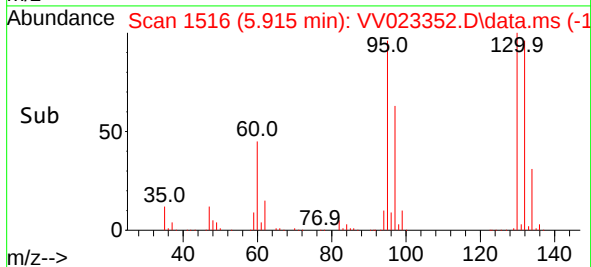
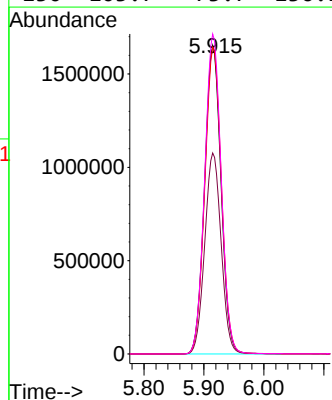
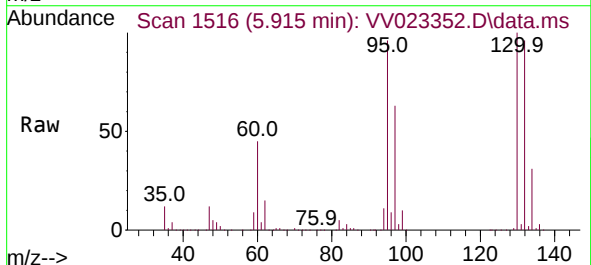
Tgt Ion: 78 Resp: 29328

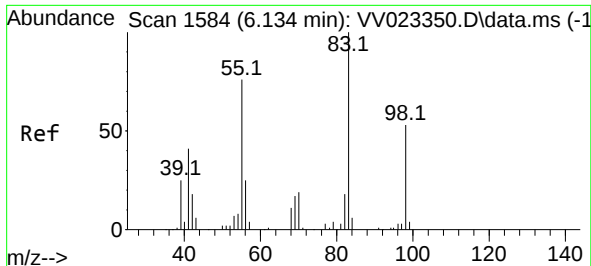


#34
Trichloroethene
Concen: 331.324 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.003 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

Tgt Ion: 95 Resp: 3159586

Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.0	83.6
132	99.4	69.7	129.4
130	103.7	73.7	136.9

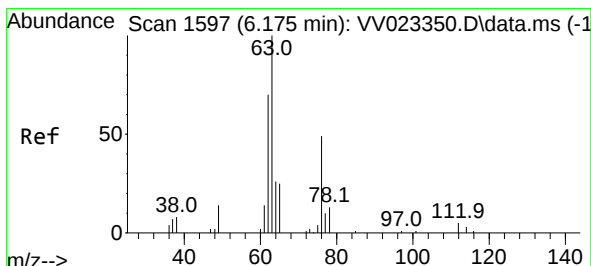
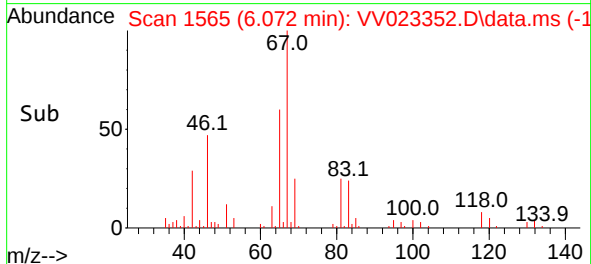
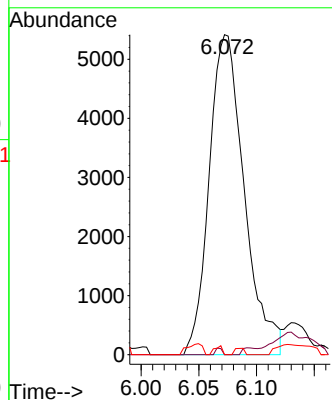
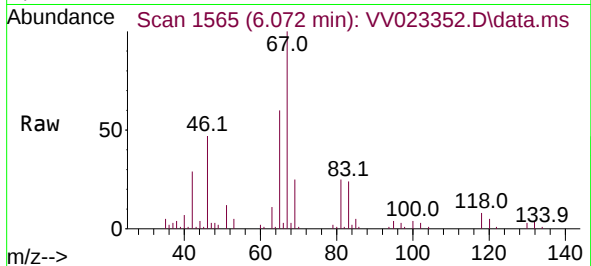




#35
Methylcyclohexane
Concen: 0.760 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

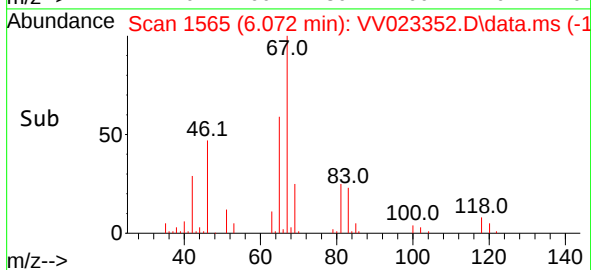
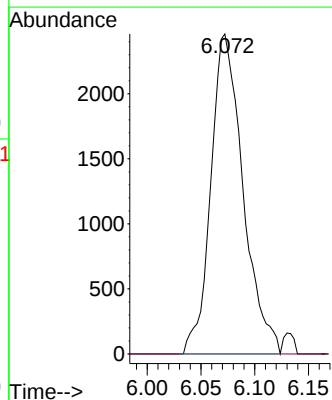
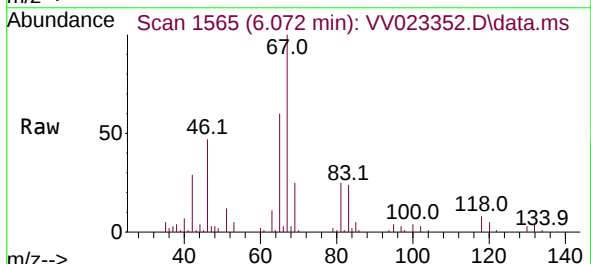
Instrument :
MSVOA_V
ClientSampleId :

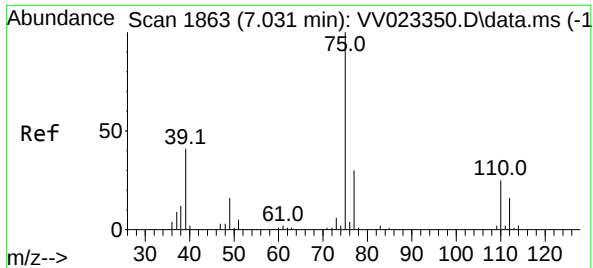
Tgt Ion: 83 Resp: 11440
Ion Ratio Lower Upper
83 100
55 0.4 62.8 94.2#
98 0.0 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.612 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.103 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

Tgt Ion: 63 Resp: 5120
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.039 min

Lab File: VV023352.D

Acq: 10 Nov 2021 23:49

Instrument :

MSVOA_V

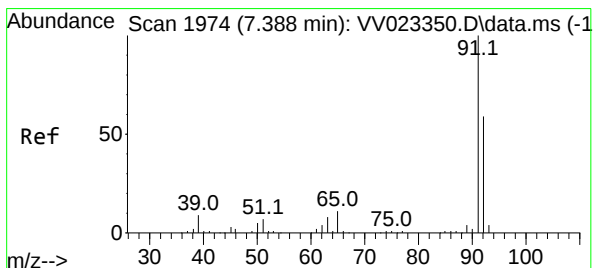
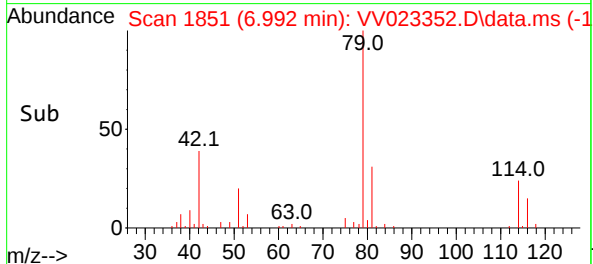
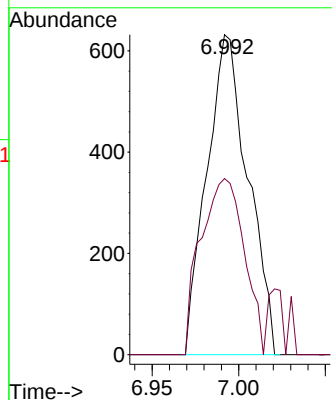
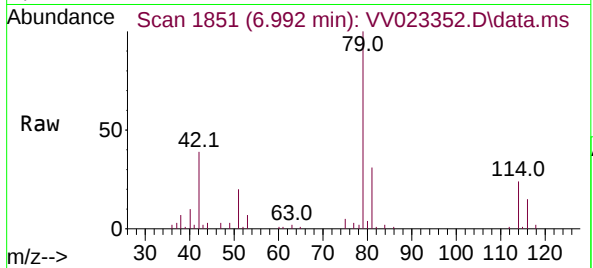
ClientSampleId :

Tgt Ion: 75 Resp: 1045

Ion Ratio Lower Upper

75 100

77 55.1 21.6 40.2#



#42

Toluene

Concen: 0.114 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.013 min

Lab File: VV023352.D

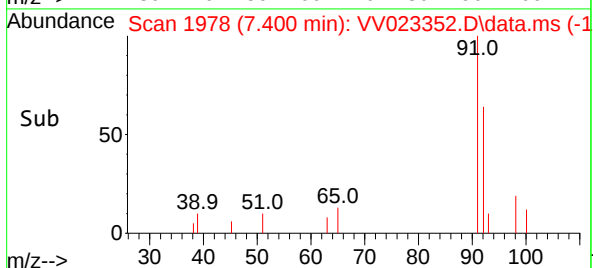
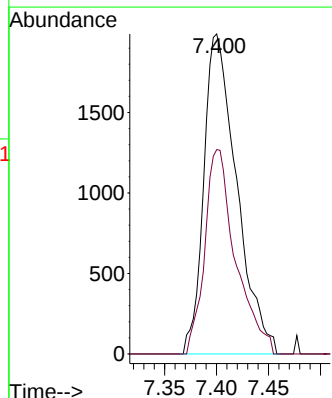
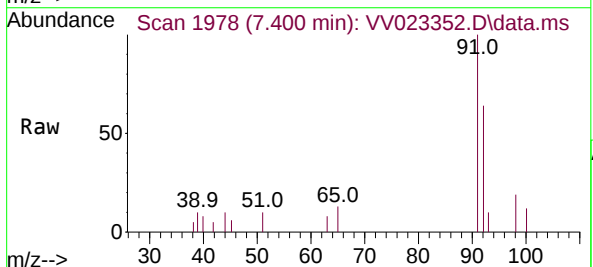
Acq: 10 Nov 2021 23:49

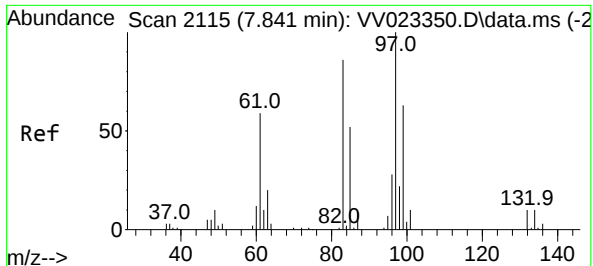
Tgt Ion: 91 Resp: 4375

Ion Ratio Lower Upper

91 100

92 63.8 39.3 72.9





#45

1,1,2-Trichloroethane

Concen: 0.223 ug/L

RT: 7.847 min Scan# 2115

Delta R.T. 0.006 min

Lab File: VV023352.D

Acq: 10 Nov 2021 23:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 1342

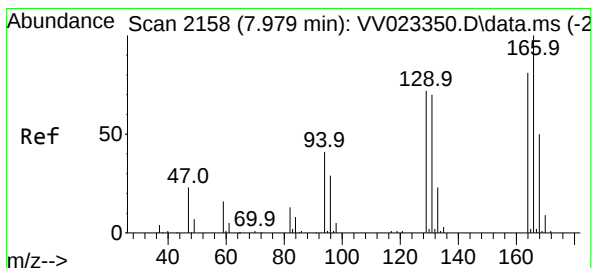
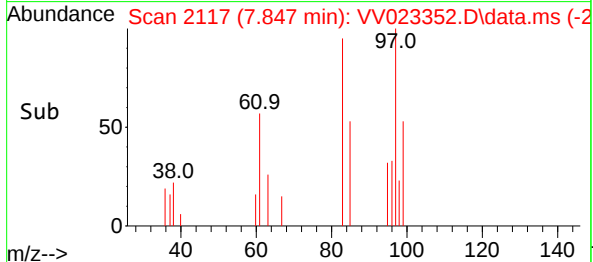
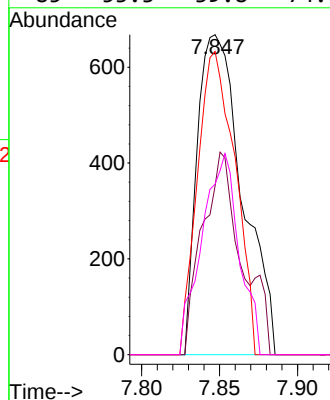
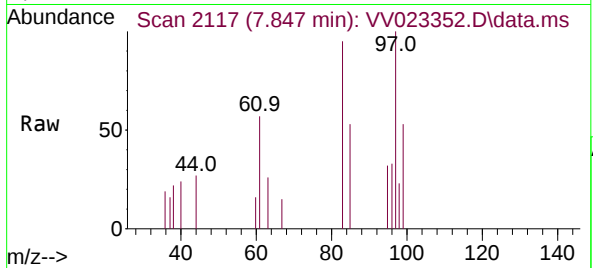
Ion Ratio Lower Upper

97 100

99 52.7 43.6 81.0

83 94.8 58.4 108.4

85 53.3 39.8 74.0



#47

Tetrachloroethene

Concen: 1.809 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.000 min

Lab File: VV023352.D

Acq: 10 Nov 2021 23:49

Tgt Ion:164 Resp: 14948

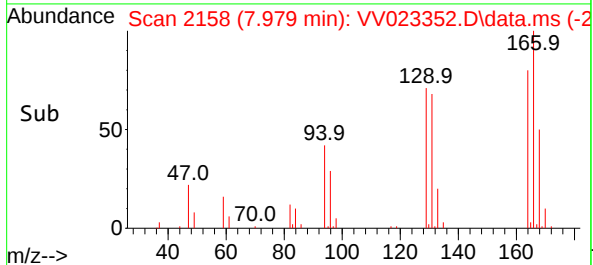
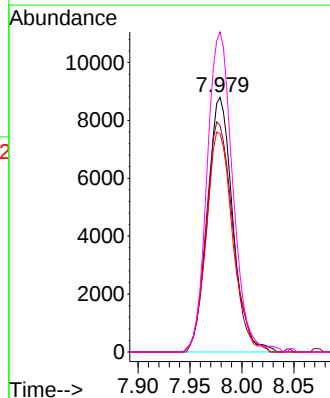
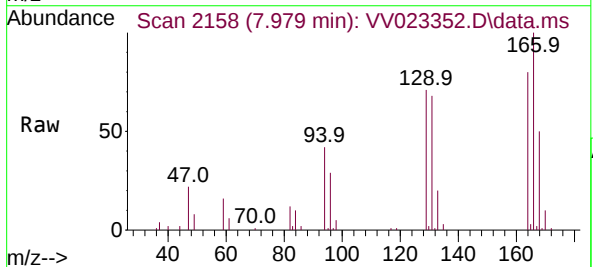
Ion Ratio Lower Upper

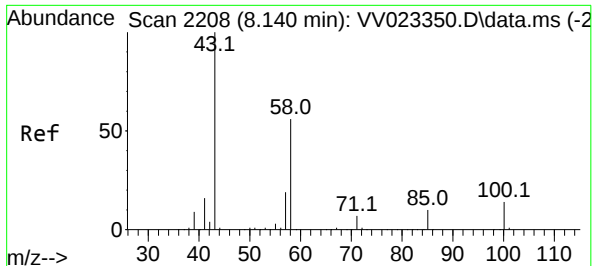
164 100

129 89.0 64.0 119.0

131 85.7 63.4 117.8

166 125.7 89.3 165.9

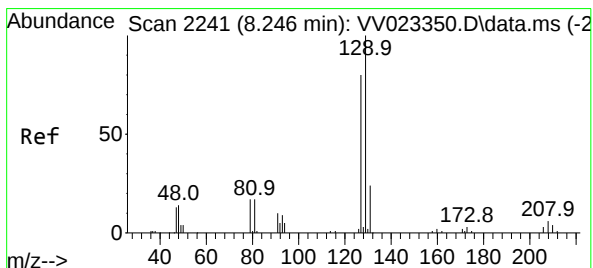
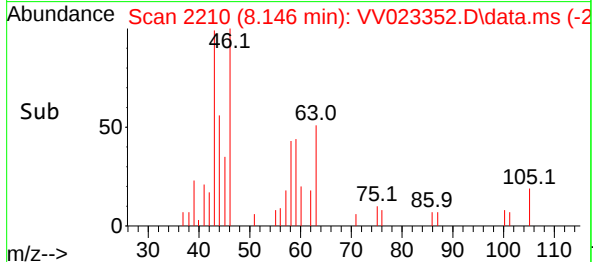
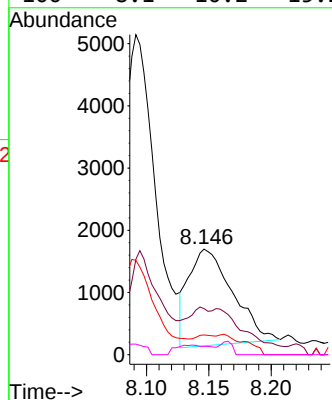
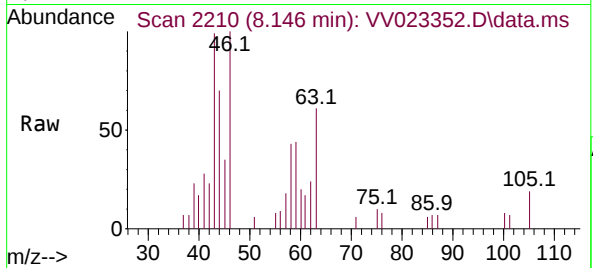




#48
2-Hexanone
Concen: 1.402 ug/L
RT: 8.146 min Scan# 2157
Delta R.T. 0.006 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

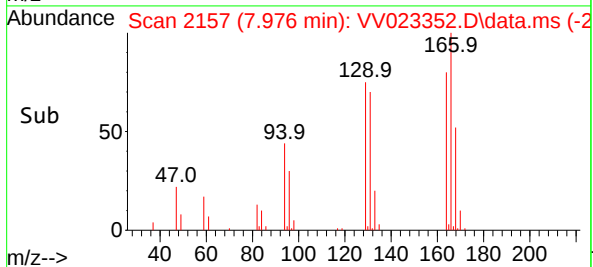
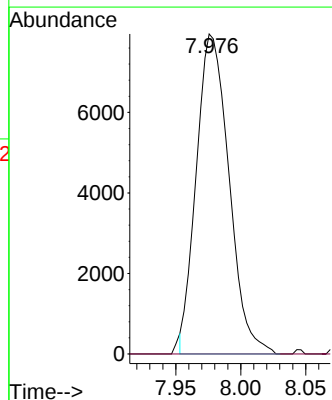
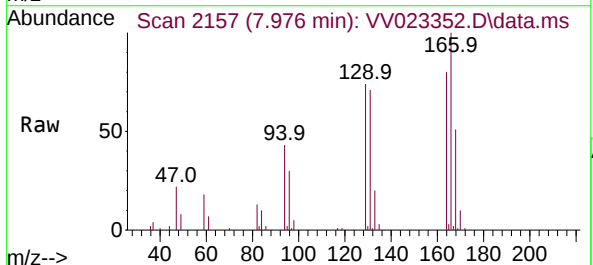
Instrument :
MSVOA_V
ClientSampleId :

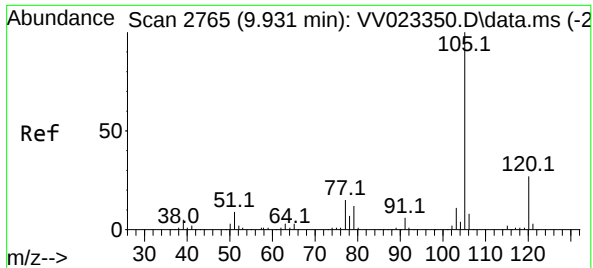
Tgt Ion: 43	Resp:	3814
Ion Ratio	Lower	Upper
43	100	
58	4.2	43.7 65.5#
57	0.0	14.1 21.1#
100	8.1	10.2 15.2#



#49
Dibromochloromethane
Concen: 1.824 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

Tgt Ion: 129	Resp:	13902
Ion Ratio	Lower	Upper
129	100	
127	0.0	54.7 101.7#

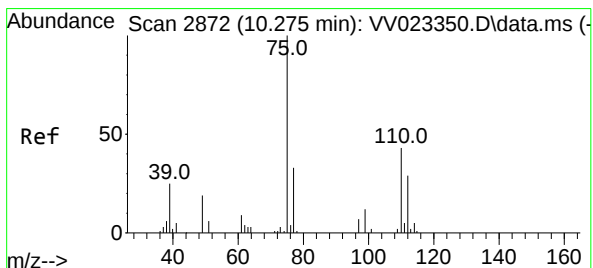
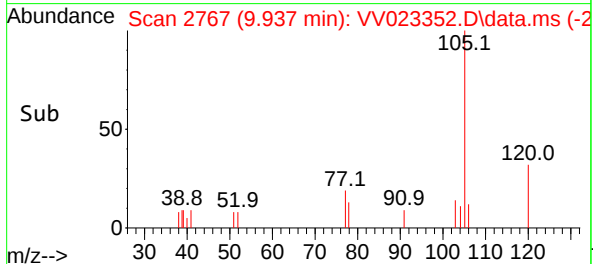
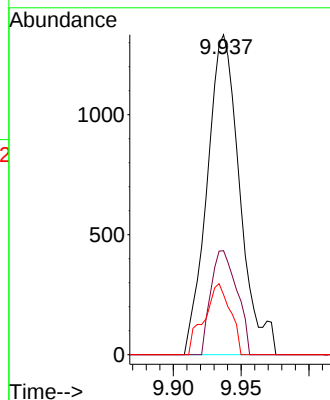
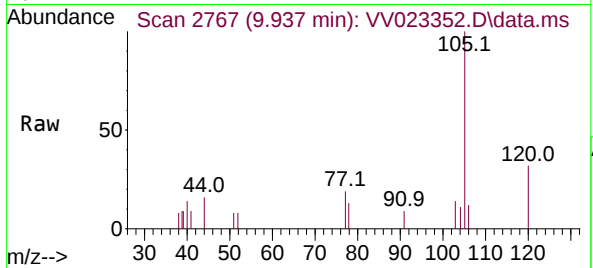




#60
Isopropylbenzene
Concen: 0.065 ug/L
RT: 9.937 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 2233
Ion Ratio Lower Upper
105 100
120 25.8 21.7 32.5
77 17.6 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 1.611 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV023352.D
Acq: 10 Nov 2021 23:49

Tgt Ion: 75 Resp: 6446
Ion Ratio Lower Upper
75 100
77 34.1 26.6 39.8
110 1.6 31.8 47.6#

