

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023710.D
 Acq On : 24 Nov 2021 19:03
 Operator : SY/MD
 Sample : M4821-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:56:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 26 01:51:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	134522	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	129241	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60433	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	39172	3.547	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.000%
7) Chloroethane-d5	1.568	69	34327	3.954	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.000%
11) 1,1-Dichloroethene-d2	2.111	63	53760	2.762	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.200%#
20) 2-Butanone-d5	3.892	46	67505	50.849	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.700%
24) Chloroform-d	4.349	84	77352	4.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
26) 1,2-Dichloroethane-d4	5.037	65	40131	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.053	84	148848	4.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.072	67	45125	4.572	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.400%
41) Toluene-d8	7.317	98	131114	3.986	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
43) trans-1,3-Dichloroprop...	7.625	79	16732	4.206	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.091	63	64958	49.143	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31737	4.468	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	52028	4.870	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	42625	3.658	ug/L	97
6) Bromomethane	1.523	94	546	0.083	ug/L	86
12) 1,1-Dichloroethene	2.121	96	1989	0.221	ug/L #	1
13) Acetone	2.185	43	2978	2.493	ug/L	99
17) Methyl tert-butyl Ether	2.770	73	11664	0.631	ug/L	97
18) trans-1,2-Dichloroethene	2.760	96	84967	8.277	ug/L	98
19) 1,1-Dichloroethane	3.195	63	9067	0.525	ug/L	90
22) cis-1,2-Dichloroethene	3.912	96	846827	86.016	ug/L	99
33) Benzene	5.104	78	5631	0.153	ug/L	100
34) Trichloroethene	5.911	95	415908	42.138	ug/L	98
35) Methylcyclohexane	6.072	83	12378	0.804	ug/L #	18
37) 1,2-Dichloropropane	6.066	63	5745	0.656	ug/L #	84
39) cis-1,3-Dichloropropene	6.982	75	1266	0.102	ug/L	91
42) Toluene	7.397	91	2827	0.071	ug/L	97
47) Tetrachloroethene	7.979	164	10289	1.145	ug/L	98
49) Dibromochloromethane	7.976	129	9455	1.138	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	6508	1.518	ug/L #	61

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 26 01:51:50 2021
Response via : Initial Calibration

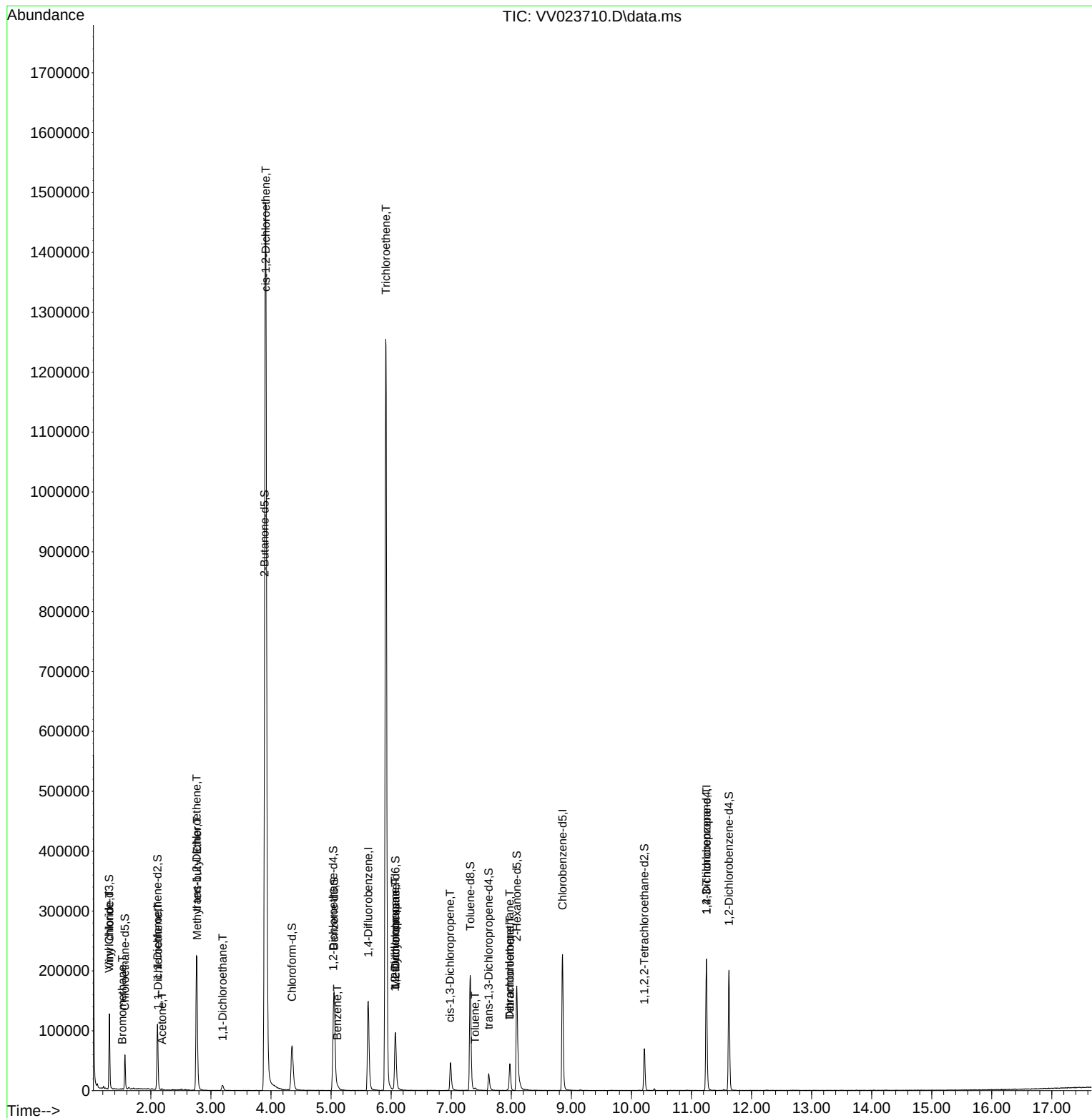
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

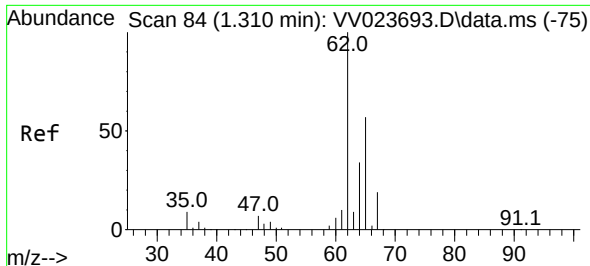
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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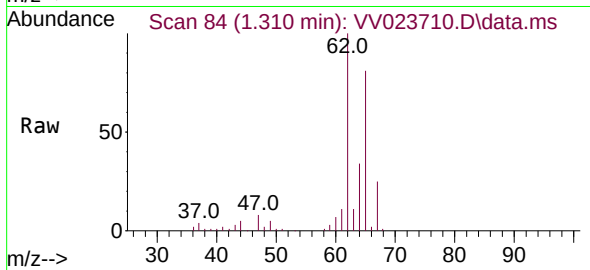
Quant Time: Nov 26 01:56:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
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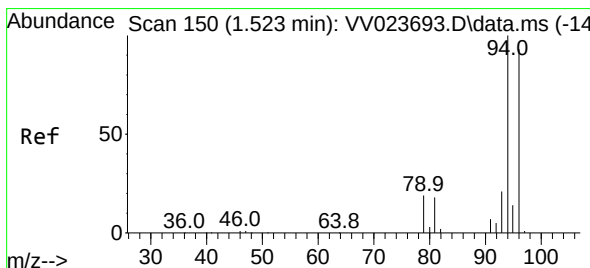
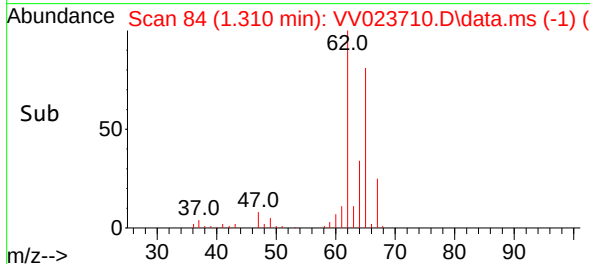
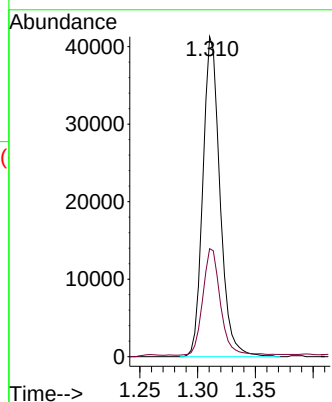


#5
 Vinyl chloride
 Concen: 3.658 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023710.D
 Acq: 24 Nov 2021 19:03

Instrument :
 MSVOA_V
 ClientSampleId :

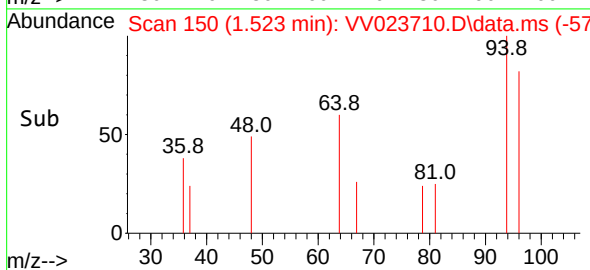
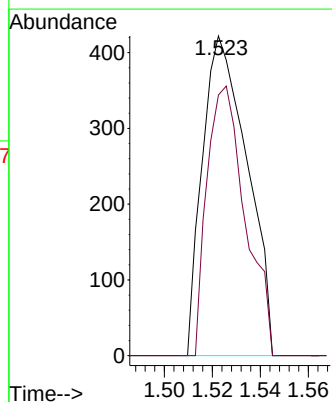
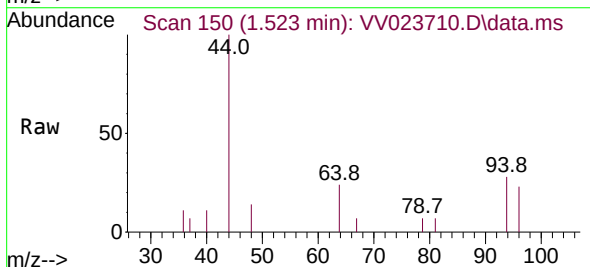


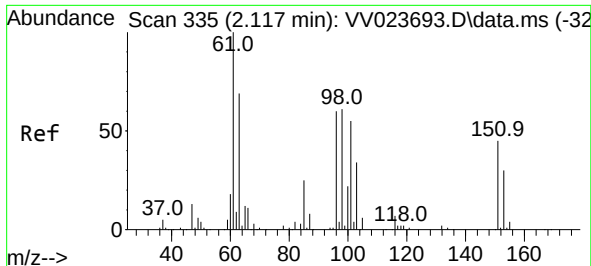
Tgt Ion: 62 Resp: 42625
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.4 41.6



#6
 Bromomethane
 Concen: 0.083 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV023710.D
 Acq: 24 Nov 2021 19:03

Tgt Ion: 94 Resp: 546
 Ion Ratio Lower Upper
 94 100
 96 81.5 66.2 123.0





#12

1,1-Dichloroethene

Concen: 0.221 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023710.D

Acq: 24 Nov 2021 19:03

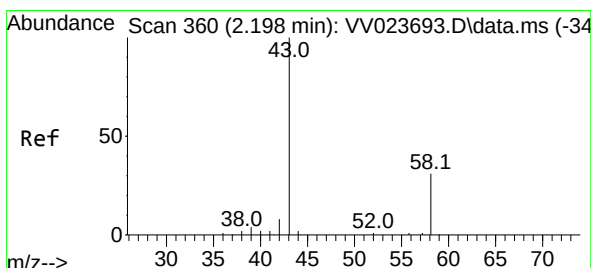
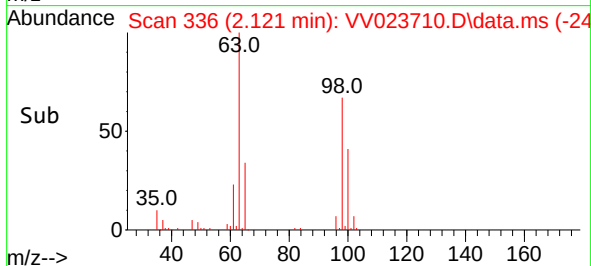
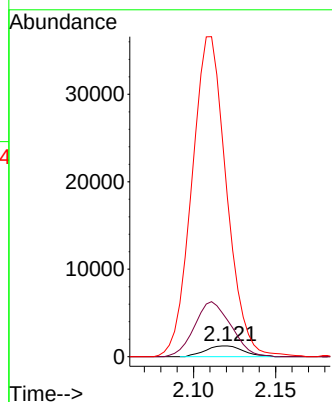
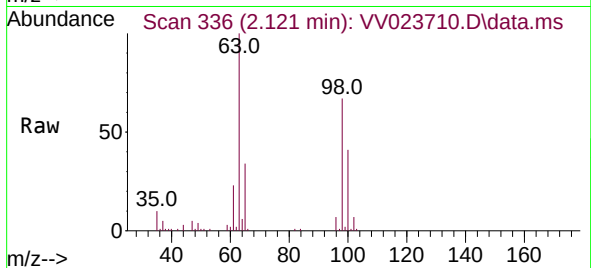
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 1989

Ion	Ratio	Lower	Upper
96	100		
61	341.3	116.1	215.5#
63	1483.2	79.4	147.4#



#13

Acetone

Concen: 2.493 ug/L

RT: 2.185 min Scan# 356

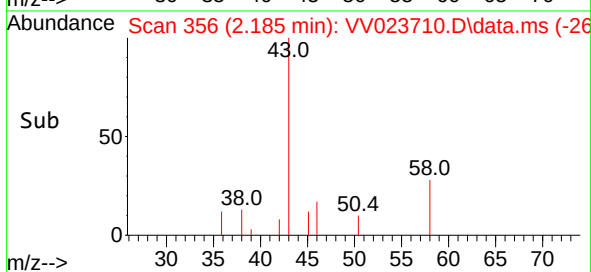
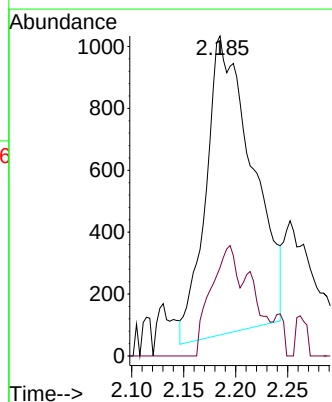
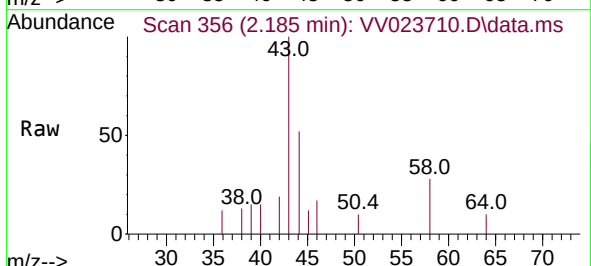
Delta R.T. -0.013 min

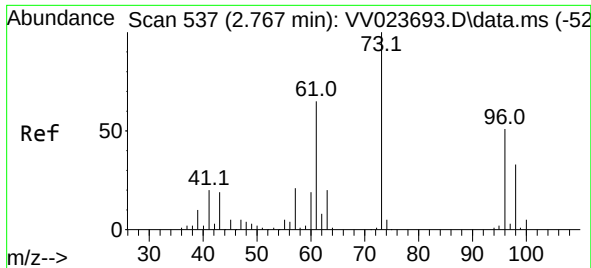
Lab File: VV023710.D

Acq: 24 Nov 2021 19:03

Tgt Ion: 43 Resp: 2978

Ion	Ratio	Lower	Upper
43	100		
58	21.2	0.0	41.4

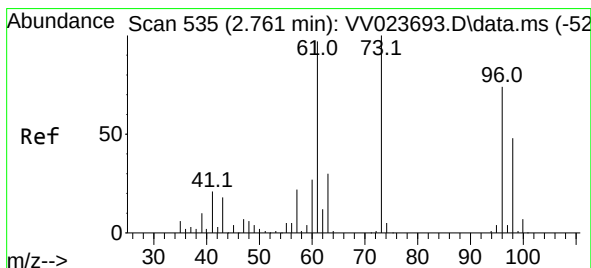
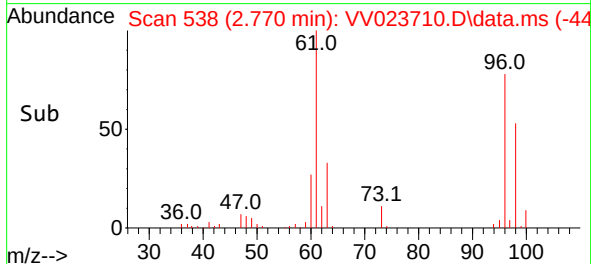
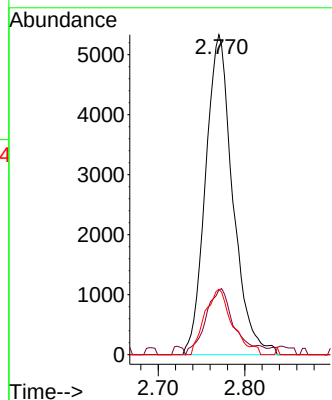
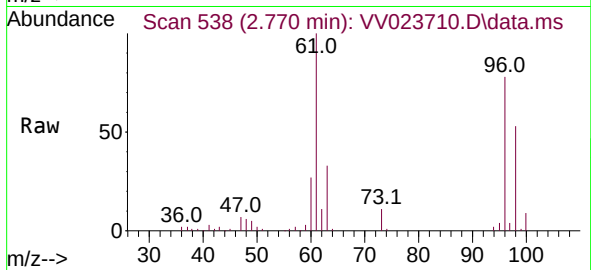




#17
Methyl tert-butyl Ether
Concen: 0.631 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023710.D
Acq: 24 Nov 2021 19:03

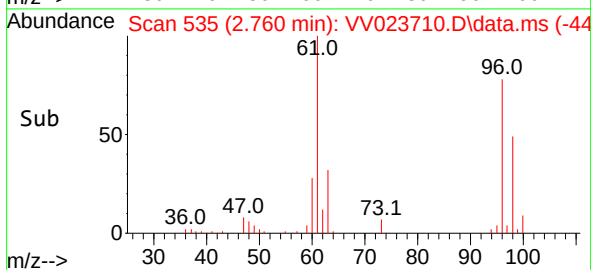
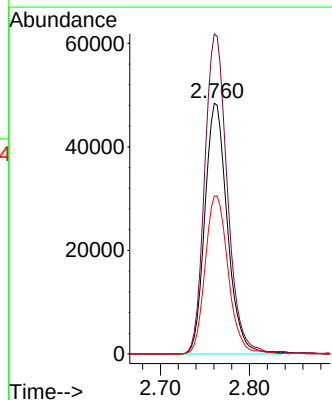
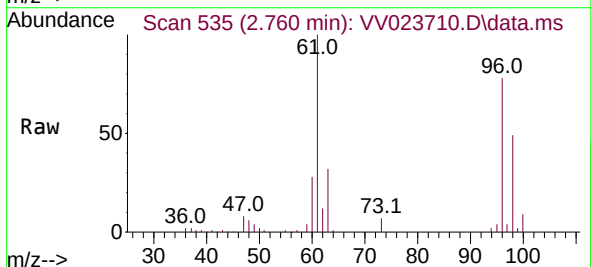
Instrument :
MSVOA_V
ClientSampleId :

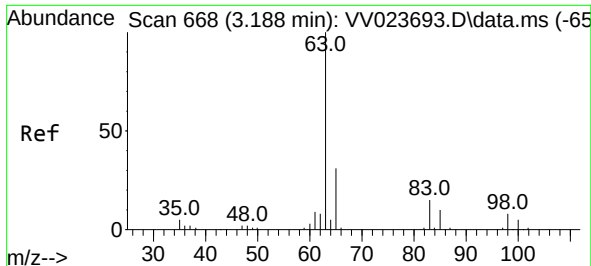
Tgt Ion: 73 Resp: 11664
Ion Ratio Lower Upper
73 100
43 21.8 15.5 23.3
57 20.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 8.277 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV023710.D
Acq: 24 Nov 2021 19:03

Tgt Ion: 96 Resp: 84967
Ion Ratio Lower Upper
96 100
61 127.6 88.2 163.8
98 62.9 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.525 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV023710.D

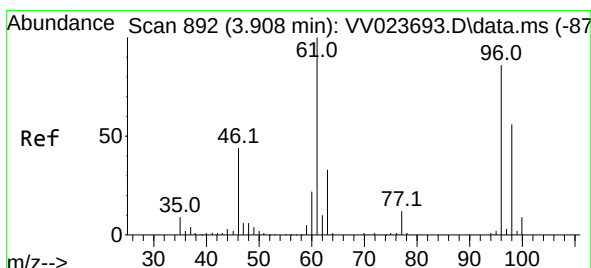
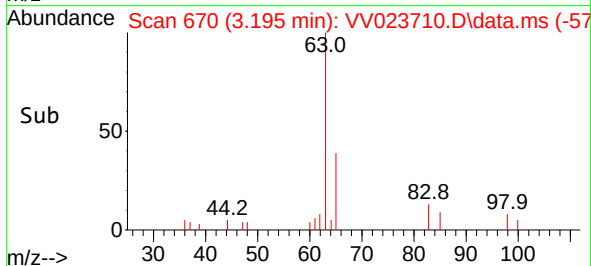
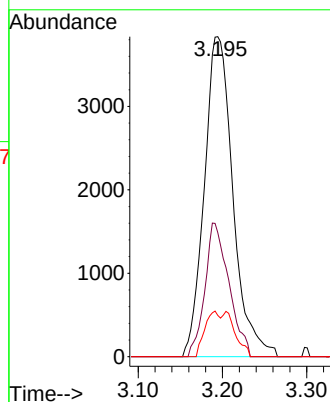
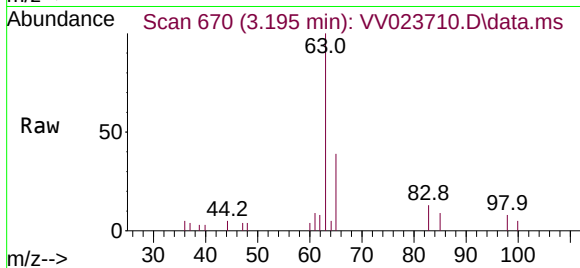
Acq: 24 Nov 2021 19:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 9067
Ion Ratio	Lower Upper
63 100	
65 38.8	22.3 41.3
83 12.9	10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 86.016 ug/L

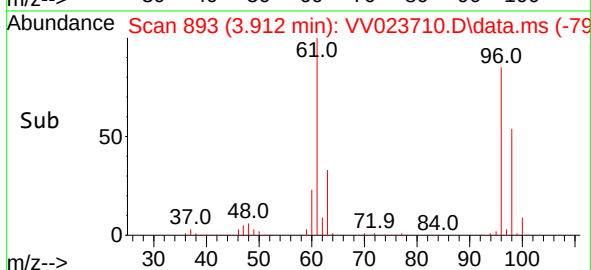
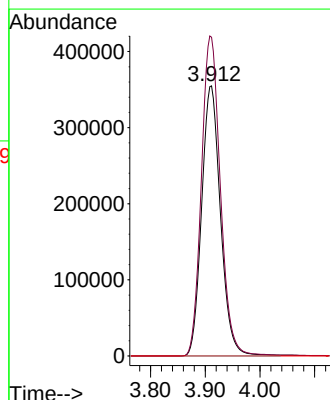
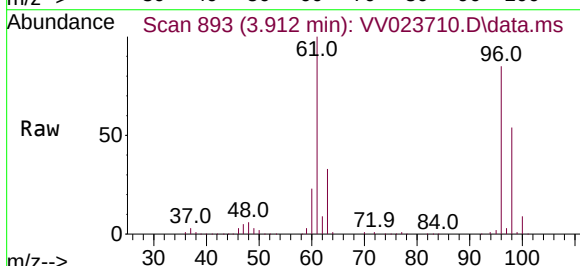
RT: 3.912 min Scan# 893

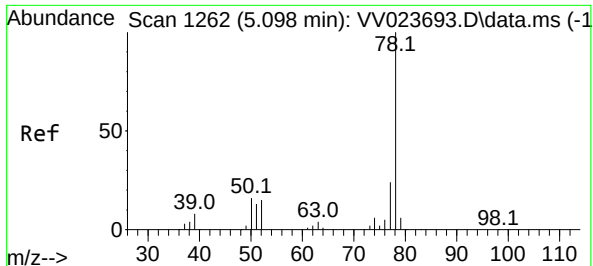
Delta R.T. 0.003 min

Lab File: VV023710.D

Acq: 24 Nov 2021 19:03

Tgt Ion: 96	Resp: 846827
Ion Ratio	Lower Upper
96 100	
61 118.0	83.4 154.8
68 0.0	0.0 0.0

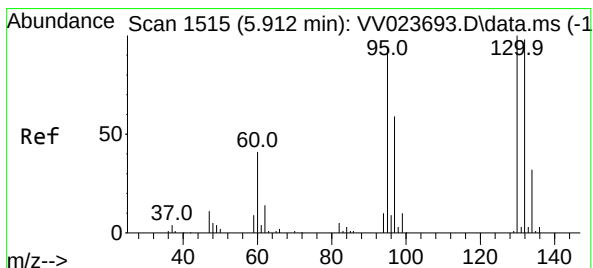
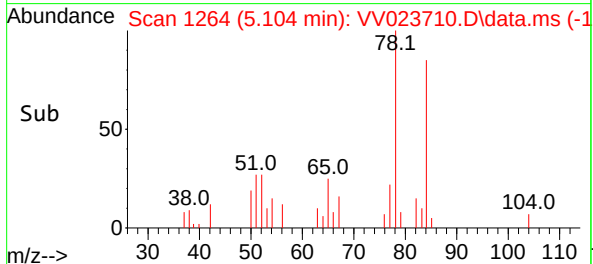
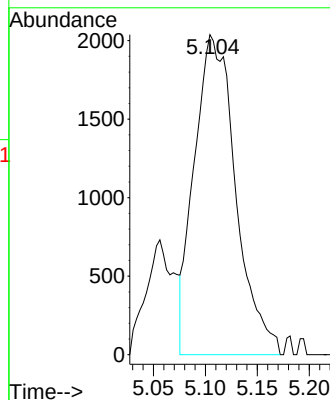
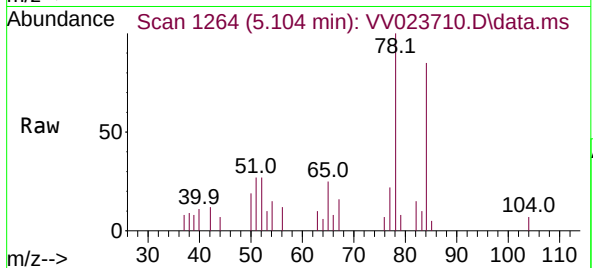




#33
Benzene
Concen: 0.153 ug/L
RT: 5.104 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV023710.D
Acq: 24 Nov 2021 19:03

Instrument :
MSVOA_V
ClientSampleId :

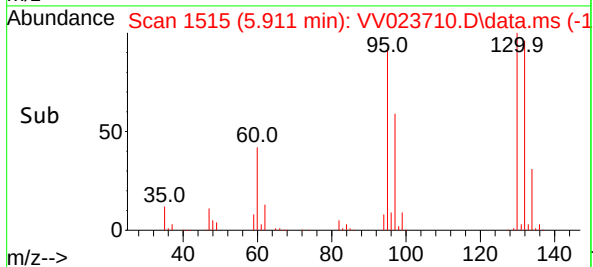
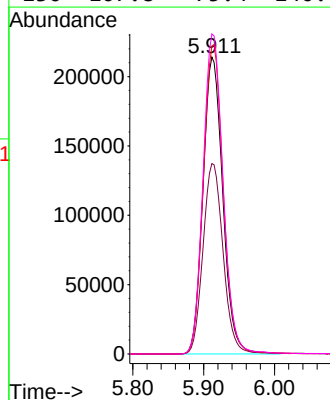
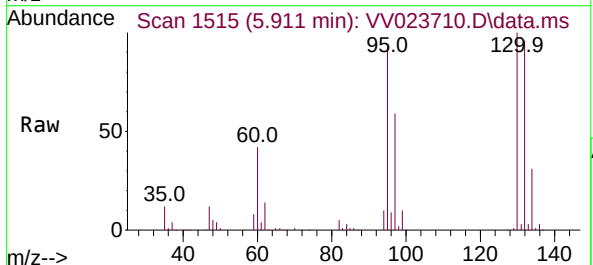
Tgt Ion: 78 Resp: 5631

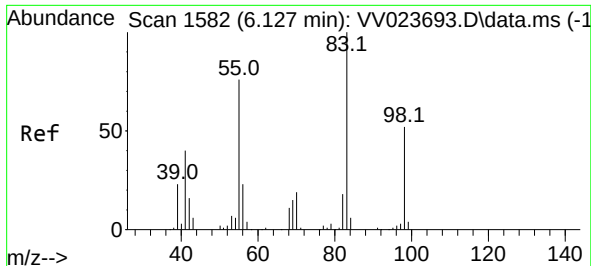


#34
Trichloroethene
Concen: 42.138 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VV023710.D
Acq: 24 Nov 2021 19:03

Tgt Ion: 95 Resp: 415908

Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.2	84.0
132	103.8	76.1	141.3
130	107.8	75.4	140.0





#35

Methylcyclohexane

Concen: 0.804 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.055 min

Lab File: VV023710.D

Acq: 24 Nov 2021 19:03

Instrument :

MSVOA_V

ClientSampleId :

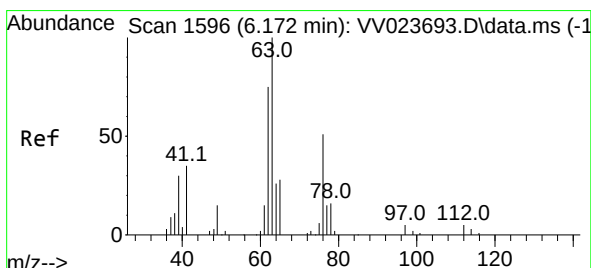
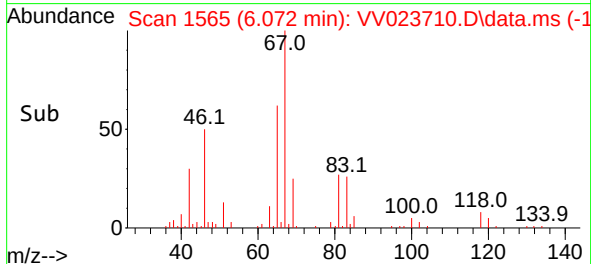
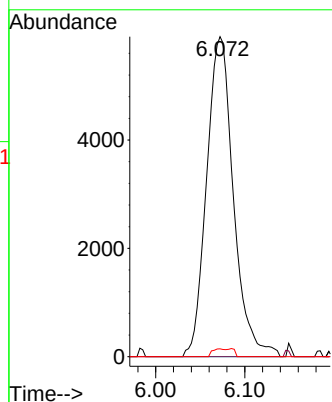
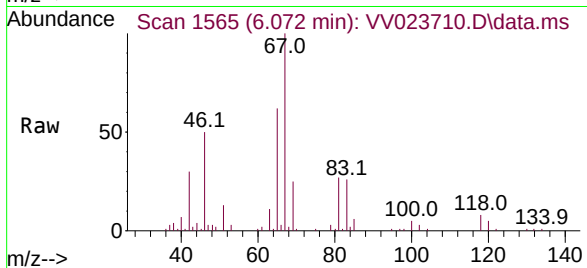
Tgt Ion: 83 Resp: 12378

Ion Ratio Lower Upper

83 100

55 0.4 60.2 90.2#

98 0.0 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.656 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.106 min

Lab File: VV023710.D

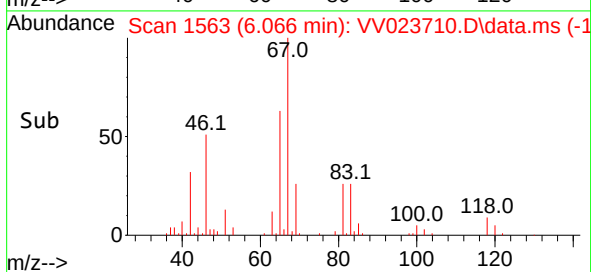
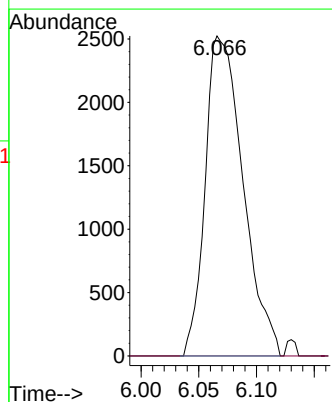
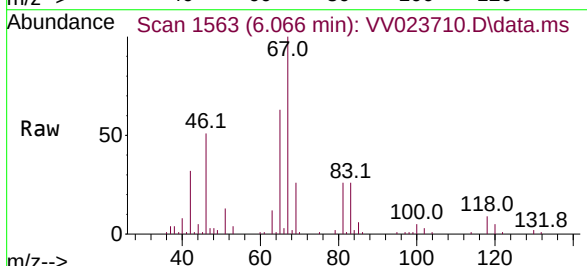
Acq: 24 Nov 2021 19:03

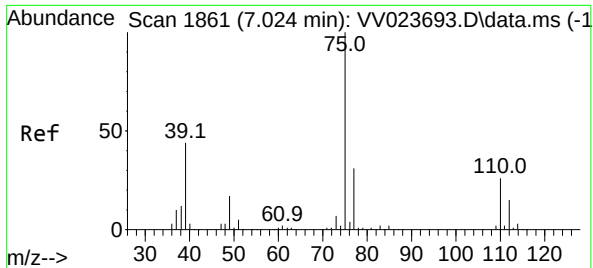
Tgt Ion: 63 Resp: 5745

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV023710.D

Acq: 24 Nov 2021 19:03

Instrument :

MSVOA_V

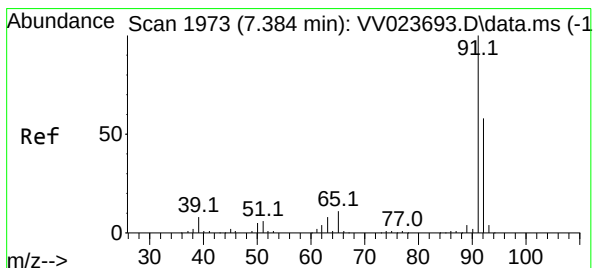
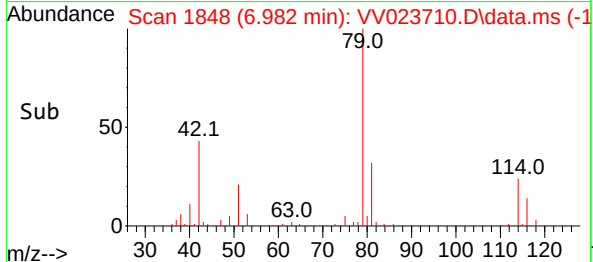
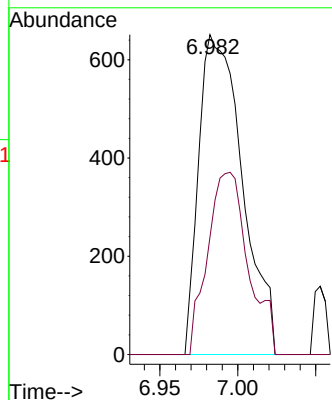
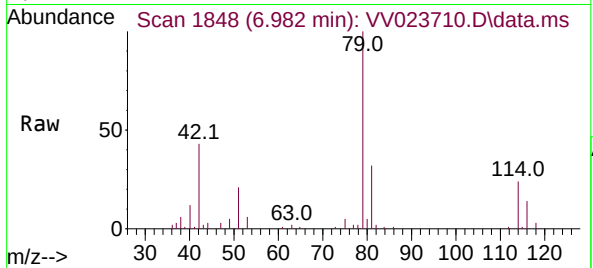
ClientSampleId :

Tgt Ion: 75 Resp: 1266

Ion Ratio Lower Upper

75 100

77 36.7 22.0 41.0



#42

Toluene

Concen: 0.071 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.013 min

Lab File: VV023710.D

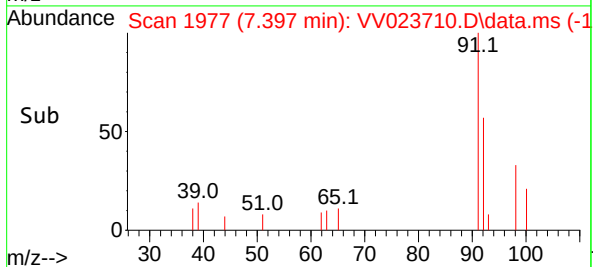
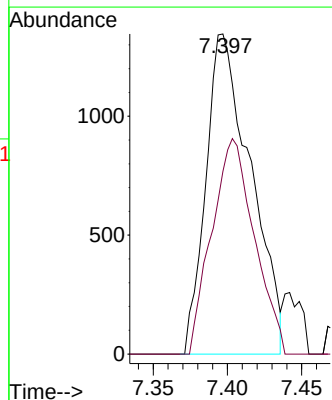
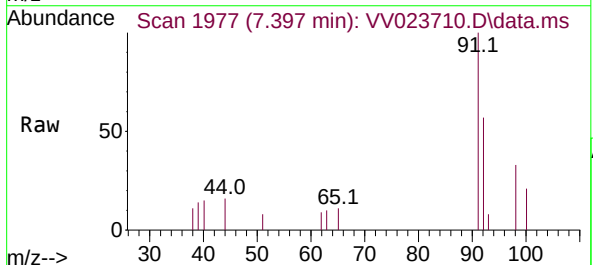
Acq: 24 Nov 2021 19:03

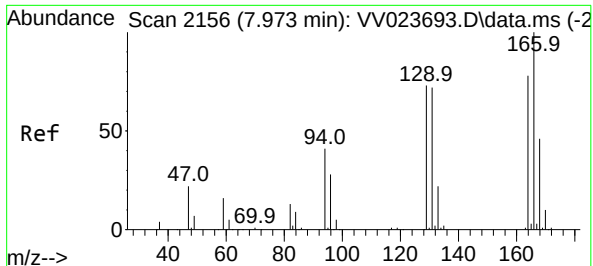
Tgt Ion: 91 Resp: 2827

Ion Ratio Lower Upper

91 100

92 57.1 41.5 77.1





#47

Tetrachloroethene

Concen: 1.145 ug/L

RT: 7.979 min Scan# 2156

Delta R.T. 0.006 min

Lab File: VV023710.D

Acq: 24 Nov 2021 19:03

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 10289

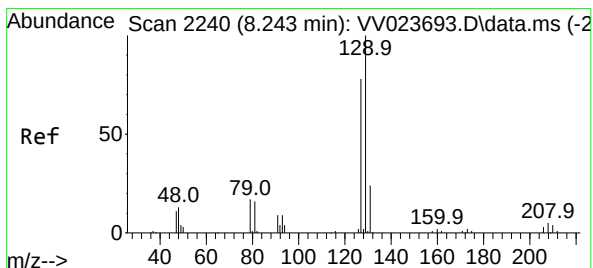
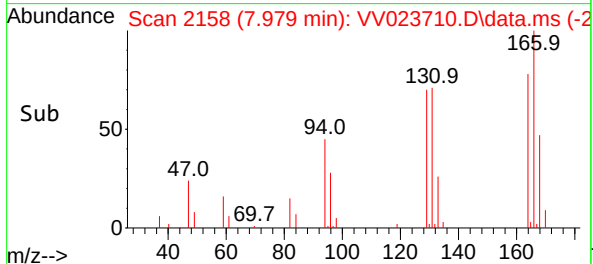
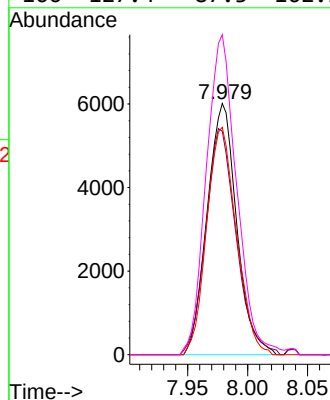
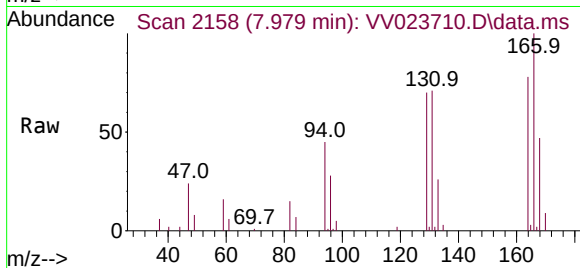
Ion Ratio Lower Upper

164 100

129 89.0 62.6 116.2

131 90.5 61.0 113.4

166 127.4 87.3 162.1



#49

Dibromochloromethane

Concen: 1.138 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV023710.D

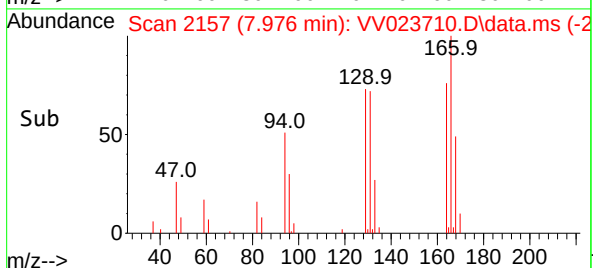
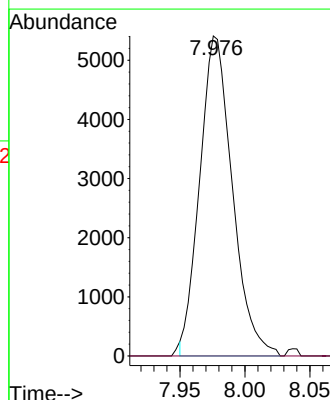
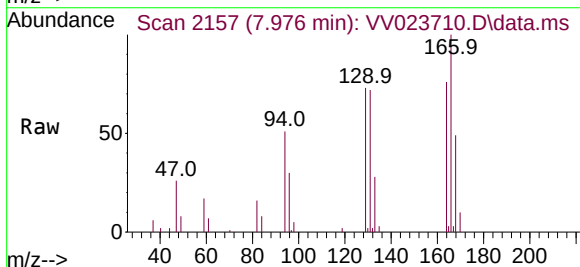
Acq: 24 Nov 2021 19:03

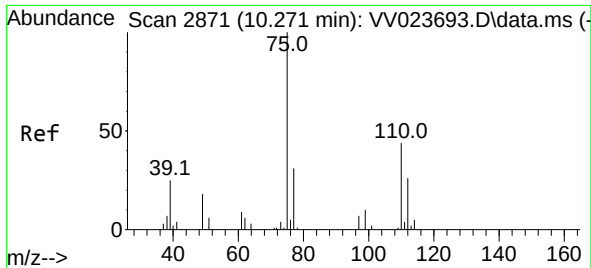
Tgt Ion:129 Resp: 9455

Ion Ratio Lower Upper

129 100

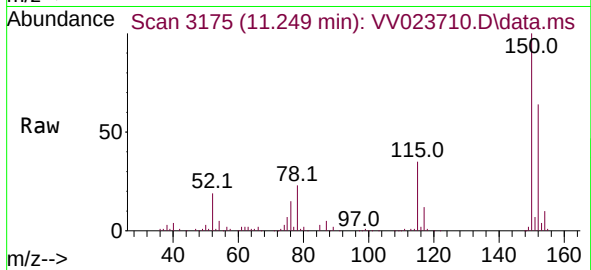
127 0.0 53.5 99.3#





#61
 1,2,3-Trichloropropane
 Concen: 1.518 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV023710.D
 Acq: 24 Nov 2021 19:03

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 6508

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.4	39.6
110	1.3	34.2	51.2#

