

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023700.D
 Acq On : 24 Nov 2021 15:05
 Operator : SY/MD
 Sample : M4821-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:53:48 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	137576	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	132390	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	63923	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	45546	4.033	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.568	69	37072	4.176	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.111	63	61821	3.106	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.200%
20) 2-Butanone-d5	3.889	46	87535	64.473	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.940%
24) Chloroform-d	4.349	84	83279	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.034	65	42792	4.658	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.050	84	166397	4.614	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
36) 1,2-Dichloropropane-d6	6.069	67	48889	4.835	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.800%
41) Toluene-d8	7.317	98	146868	4.359	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	7.625	79	17832	4.376	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.091	63	68472	50.569	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.140%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32627	4.485	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	57189	5.060	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	52379	4.395	ug/L	93
6) Bromomethane	1.526	94	448	0.066	ug/L	78
8) Chloroethane	1.487	64	34470	4.565	ug/L #	53
12) 1,1-Dichloroethene	2.117	96	1588	0.172	ug/L #	1
13) Acetone	2.185	43	5681	4.650	ug/L	66
17) Methyl tert-butyl Ether	2.767	73	187136	9.907	ug/L	99
18) trans-1,2-Dichloroethene	2.760	96	182491	17.382	ug/L	97
19) 1,1-Dichloroethane	3.195	63	19871	1.126	ug/L	97
22) cis-1,2-Dichloroethene	3.912	96	452763	44.968	ug/L	97
25) Chloroform	4.381	83	6603	0.336	ug/L	94
33) Benzene	5.108	78	9879	0.262	ug/L	100
34) Trichloroethene	5.915	95	134205	13.274	ug/L	98
35) Methylcyclohexane	6.072	83	12703	0.806	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	5972	0.666	ug/L #	84
39) cis-1,3-Dichloropropene	6.985	75	1326	0.104	ug/L #	63
42) Toluene	7.403	91	2687	0.066	ug/L	92
47) Tetrachloroethene	7.979	164	2310	0.251	ug/L	93
49) Dibromochloromethane	7.982	129	2181	0.256	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	6414	1.415	ug/L #	61

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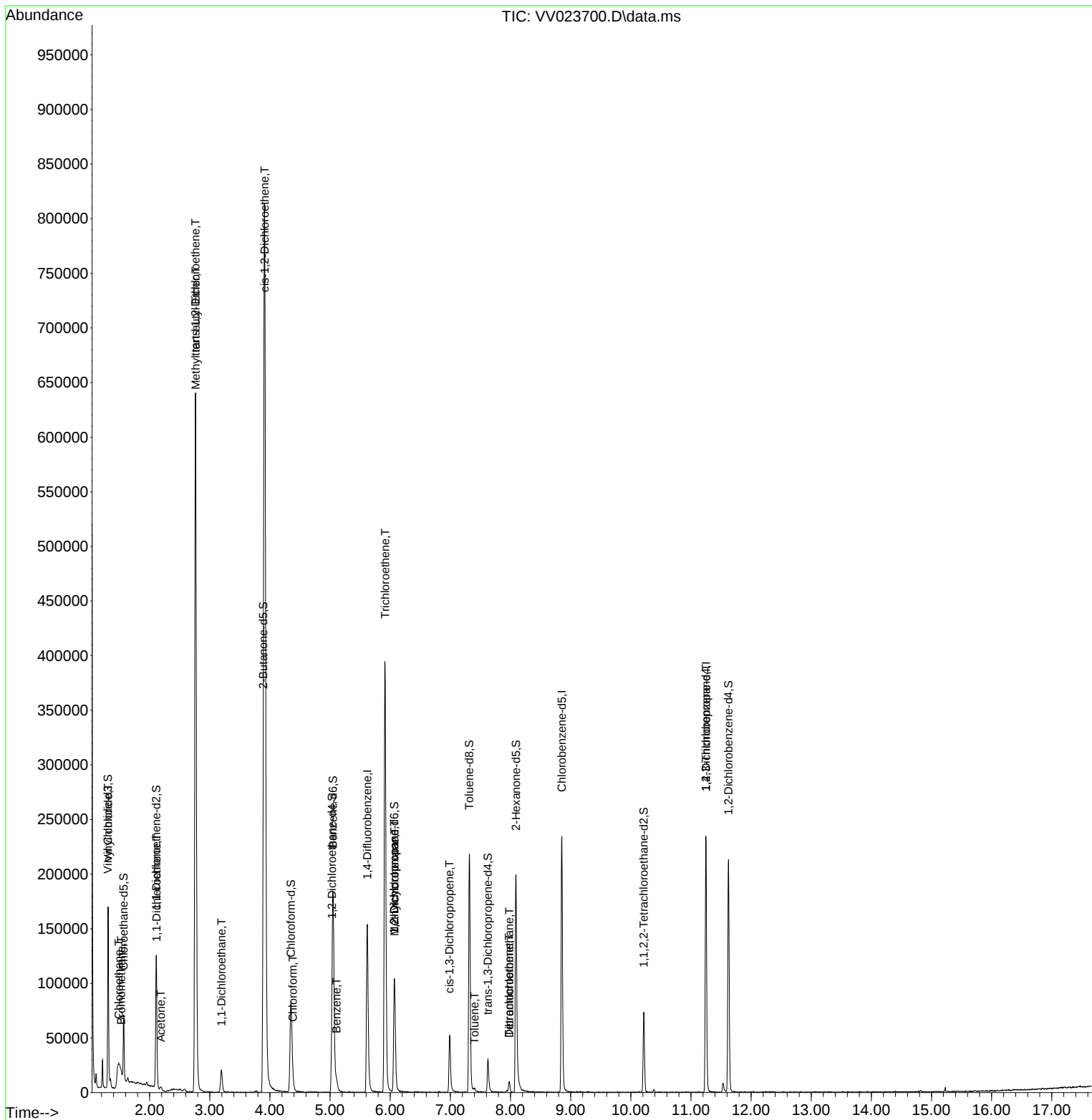
Instrument :
MSVOA_V
ClientSampleId :

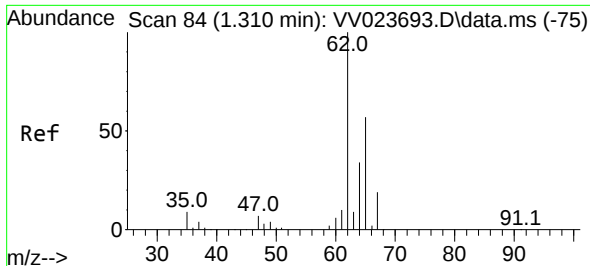
Quant Time: Nov 26 01:53:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

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

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

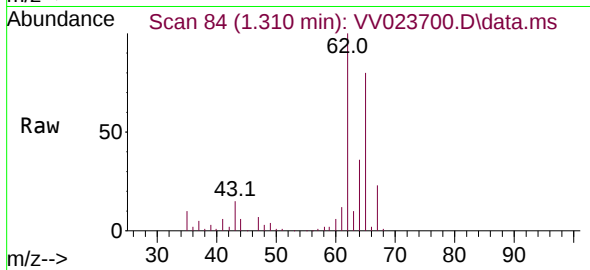
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
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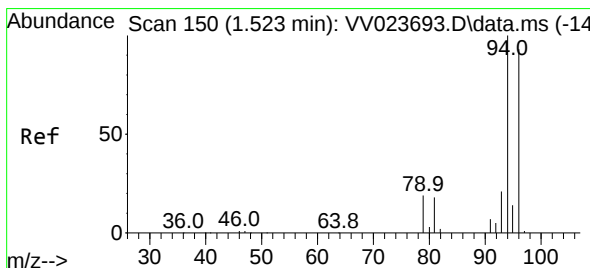
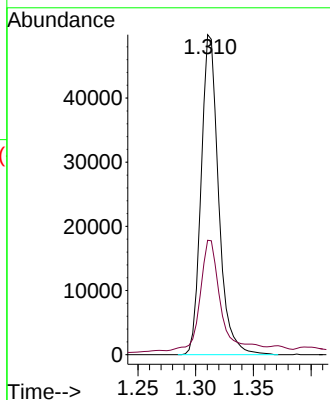
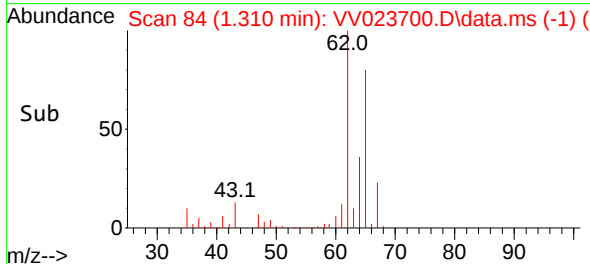


#5
 Vinyl chloride
 Concen: 4.395 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023700.D
 Acq: 24 Nov 2021 15:05

Instrument :
 MSVOA_V
 ClientSampleId :

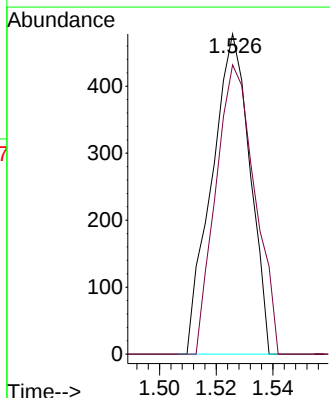
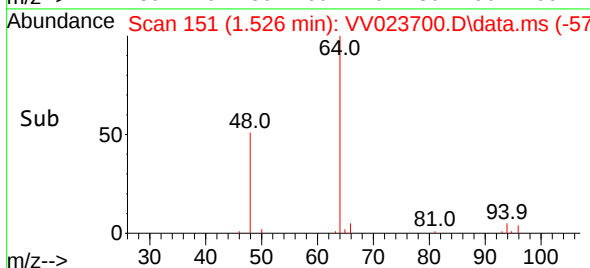
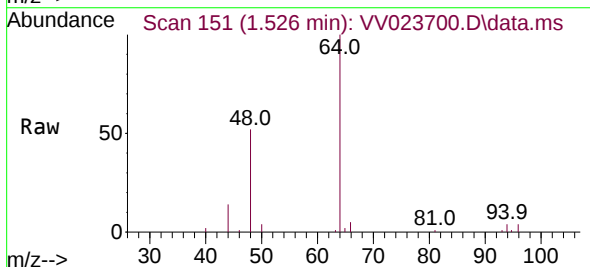


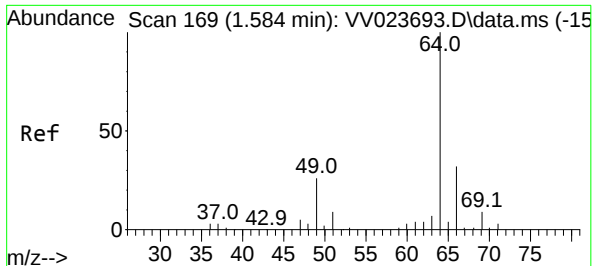
Tgt Ion: 62 Resp: 52379
 Ion Ratio Lower Upper
 62 100
 64 35.7 22.4 41.6



#6
 Bromomethane
 Concen: 0.066 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV023700.D
 Acq: 24 Nov 2021 15:05

Tgt Ion: 94 Resp: 448
 Ion Ratio Lower Upper
 94 100
 96 73.3 66.2 123.0

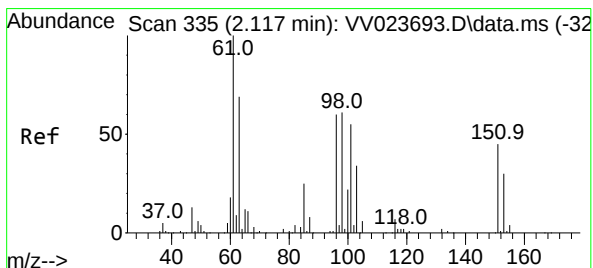
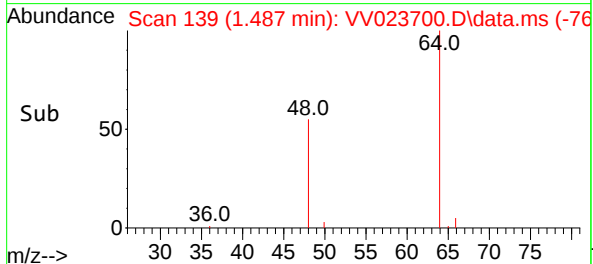
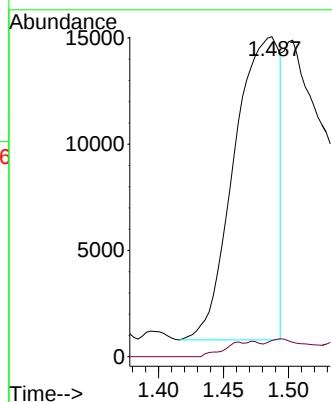
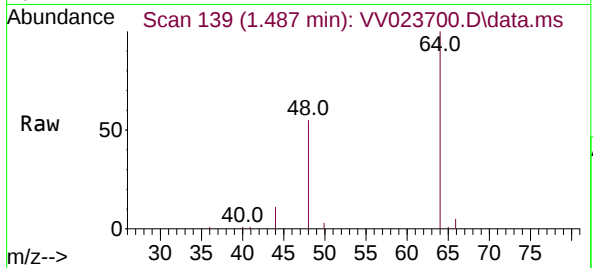




#8
Chloroethane
Concen: 4.565 ug/L
RT: 1.487 min Scan# 11
Delta R.T. -0.097 min
Lab File: VV023700.D
Acq: 24 Nov 2021 15:05

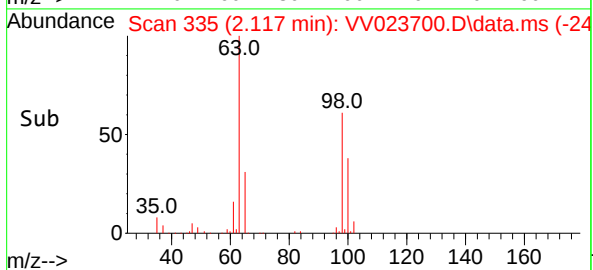
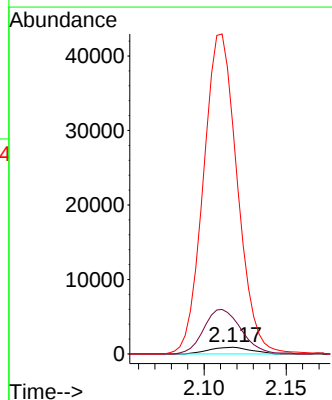
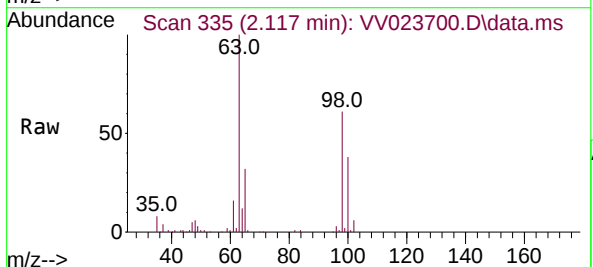
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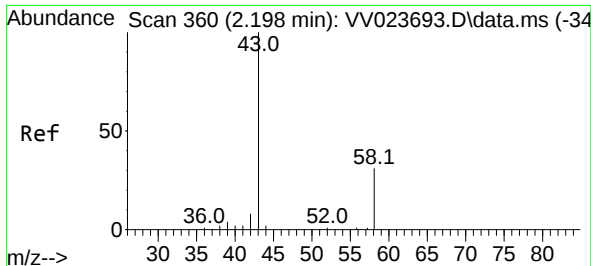
Tgt Ion: 64 Resp: 34470
Ion Ratio Lower Upper
64 100
66 5.0 21.4 39.8#



#12
1,1-Dichloroethene
Concen: 0.172 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV023700.D
Acq: 24 Nov 2021 15:05

Tgt Ion: 96 Resp: 1588
Ion Ratio Lower Upper
96 100
61 543.9 116.1 215.5#
63 3417.3 79.4 147.4#

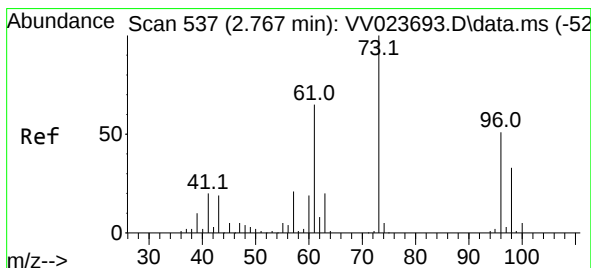
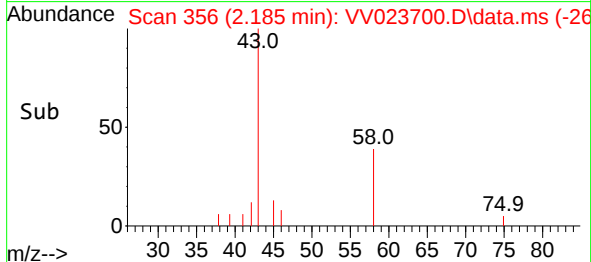
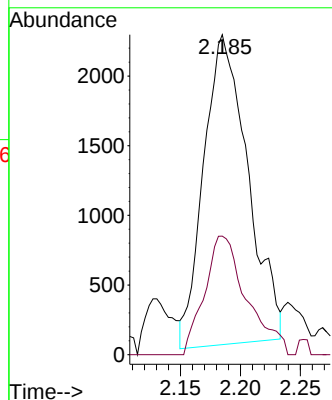
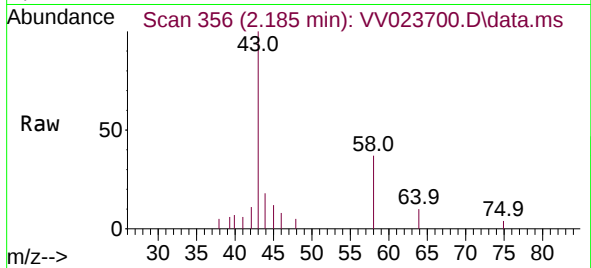




#13
Acetone
Concen: 4.650 ug/L
RT: 2.185 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV023700.D
Acq: 24 Nov 2021 15:05

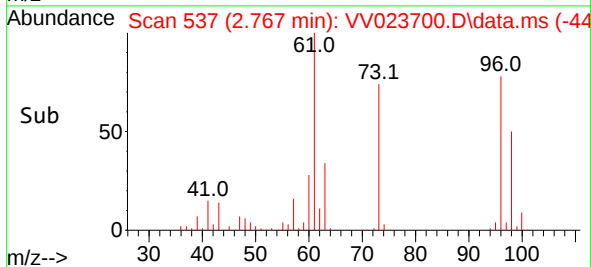
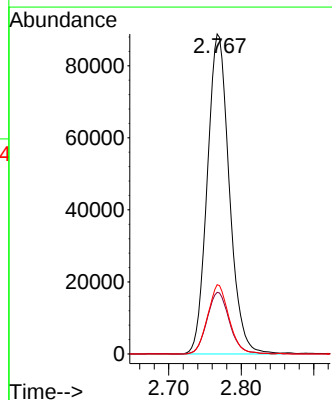
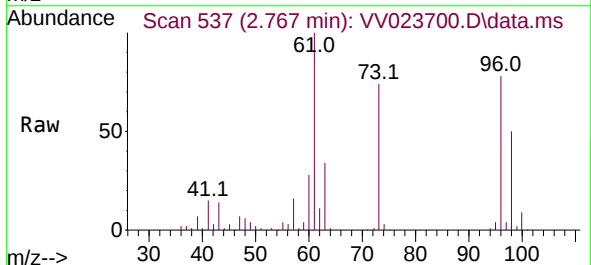
Instrument :
MSVOA_V
ClientSampleId :

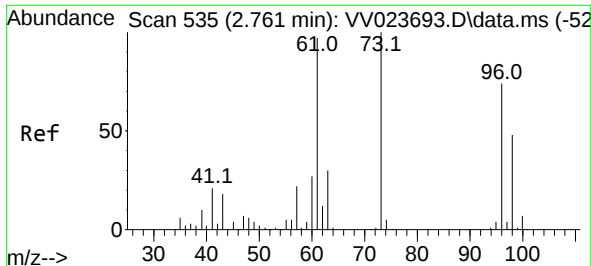
Tgt Ion: 43 Resp: 5681
Ion Ratio Lower Upper
43 100
58 36.7 0.0 41.4



#17
Methyl tert-butyl Ether
Concen: 9.907 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.000 min
Lab File: VV023700.D
Acq: 24 Nov 2021 15:05

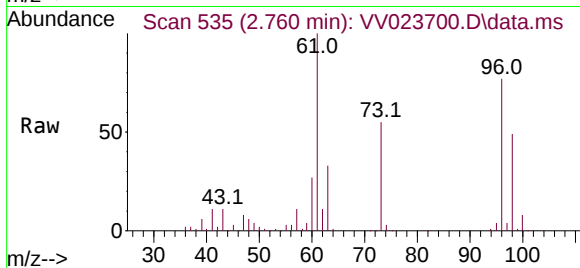
Tgt Ion: 73 Resp: 187136
Ion Ratio Lower Upper
73 100
43 19.6 15.5 23.3
57 21.0 17.1 25.7





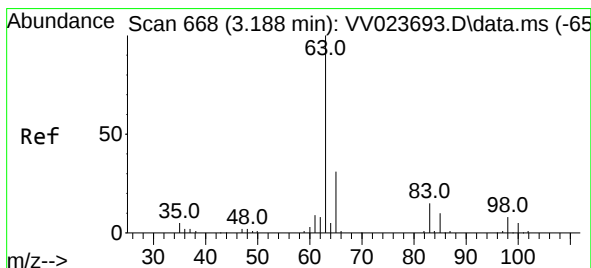
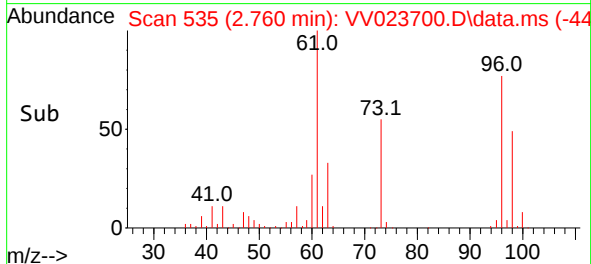
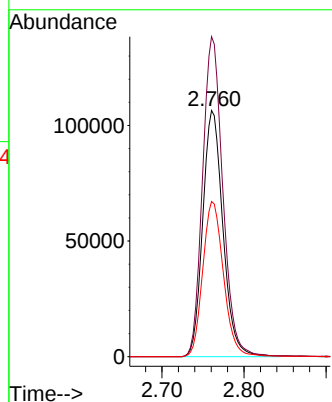
#18
 trans-1,2-Dichloroethene
 Concen: 17.382 ug/L
 RT: 2.760 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VV023700.D
 Acq: 24 Nov 2021 15:05

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 182491

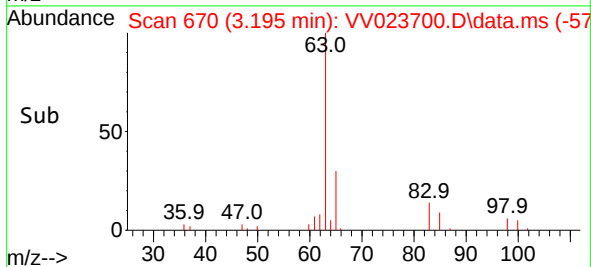
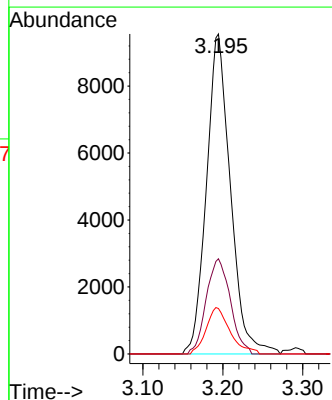
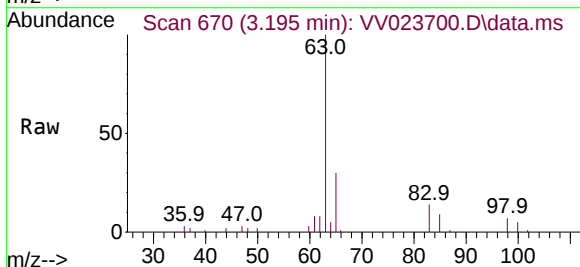
Ion	Ratio	Lower	Upper
96	100		
61	130.0	88.2	163.8
98	63.1	44.9	83.5

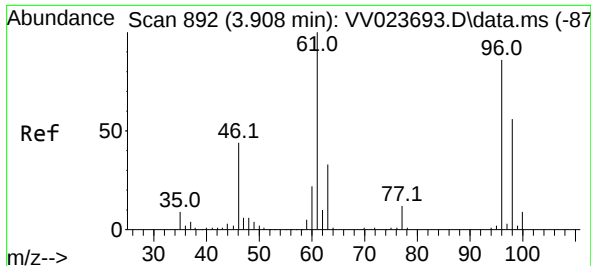


#19
 1,1-Dichloroethane
 Concen: 1.126 ug/L
 RT: 3.195 min Scan# 670
 Delta R.T. 0.006 min
 Lab File: VV023700.D
 Acq: 24 Nov 2021 15:05

Tgt Ion: 63 Resp: 19871

Ion	Ratio	Lower	Upper
63	100		
65	29.8	22.3	41.3
83	14.2	10.7	19.9





#22

cis-1,2-Dichloroethene

Concen: 44.968 ug/L

RT: 3.912 min Scan# 89

Delta R.T. 0.003 min

Lab File: VV023700.D

Acq: 24 Nov 2021 15:05

Instrument :

MSVOA_V

ClientSampleId :

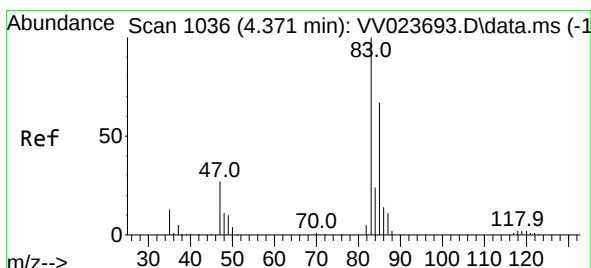
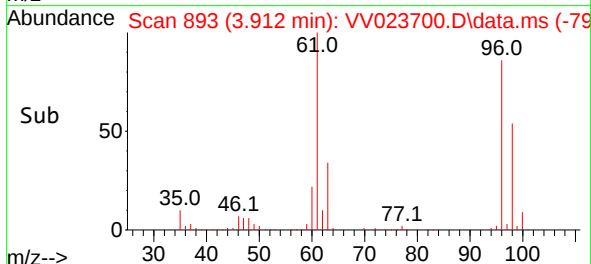
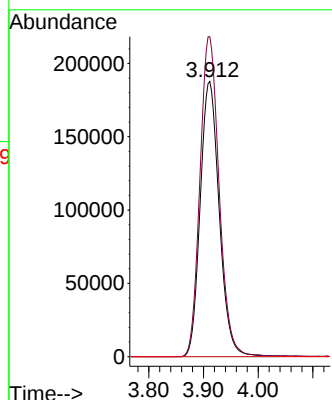
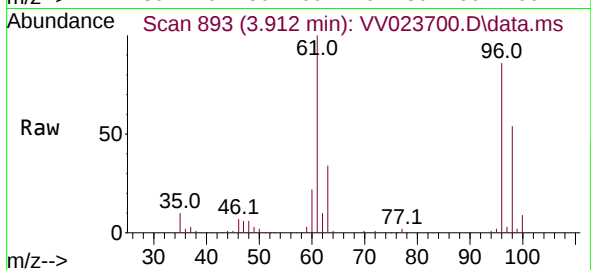
Tgt Ion: 96 Resp: 452763

Ion Ratio Lower Upper

96 100

61 116.3 83.4 154.8

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.336 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.010 min

Lab File: VV023700.D

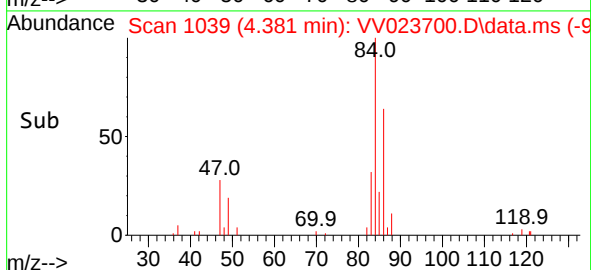
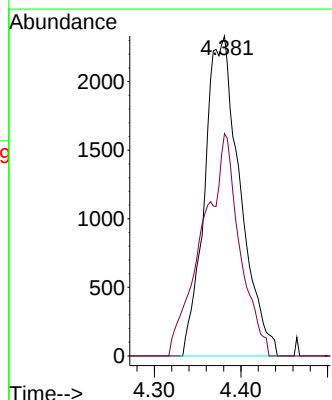
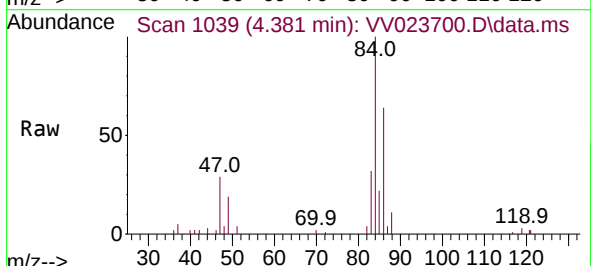
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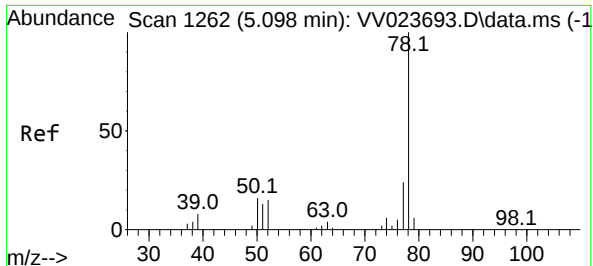
Tgt Ion: 83 Resp: 6603

Ion Ratio Lower Upper

83 100

85 69.5 45.2 84.0

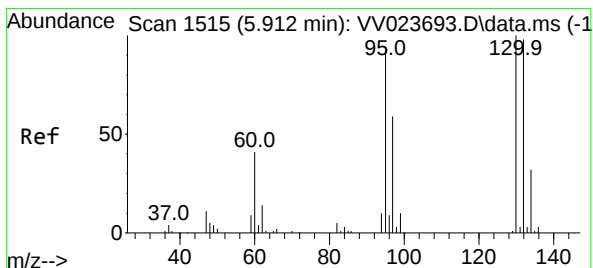
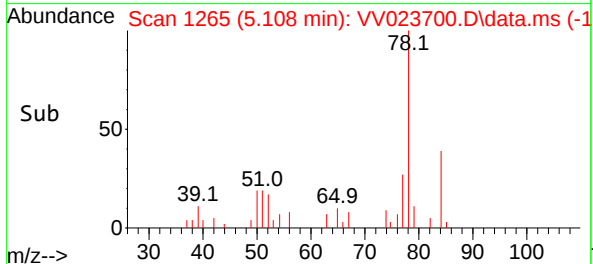
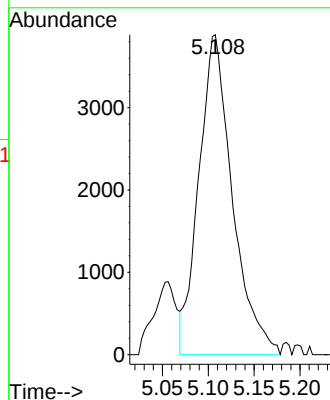
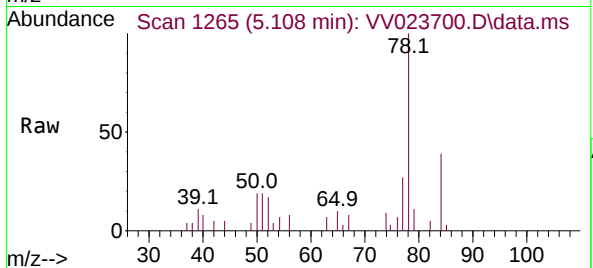




#33
Benzene
Concen: 0.262 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023700.D
Acq: 24 Nov 2021 15:05

Instrument :
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ClientSampleId :

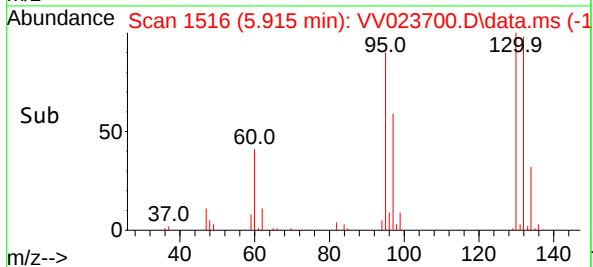
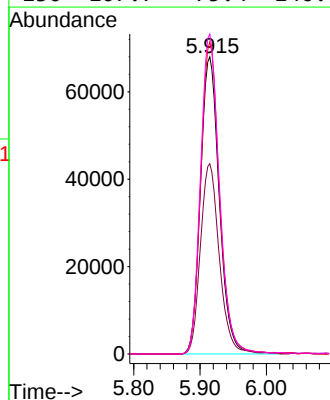
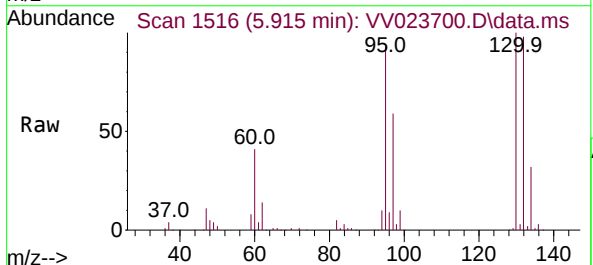
Tgt Ion: 78 Resp: 9879

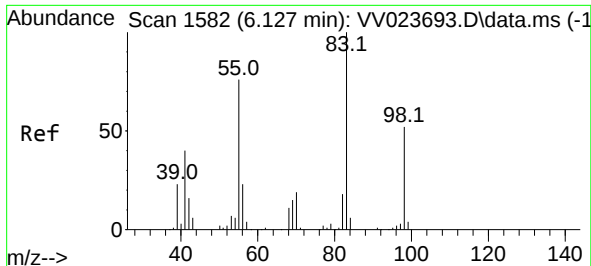


#34
Trichloroethene
Concen: 13.274 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
Lab File: VV023700.D
Acq: 24 Nov 2021 15:05

Tgt Ion: 95 Resp: 134205

Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.2	84.0
132	105.1	76.1	141.3
130	107.7	75.4	140.0





#35

Methylcyclohexane

Concen: 0.806 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.055 min

Lab File: VV023700.D

Acq: 24 Nov 2021 15:05

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ClientSampleId :

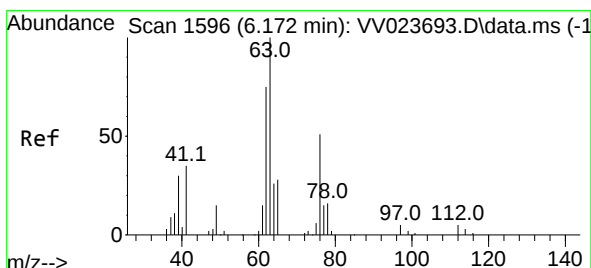
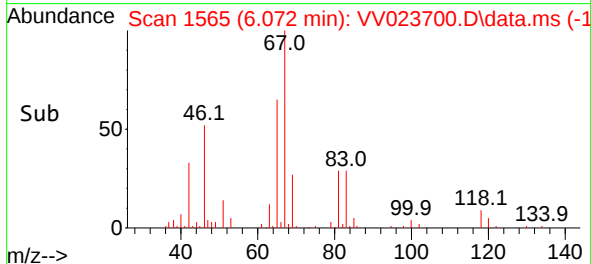
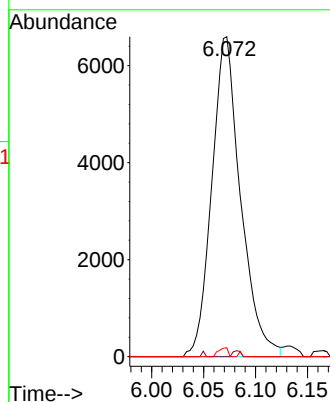
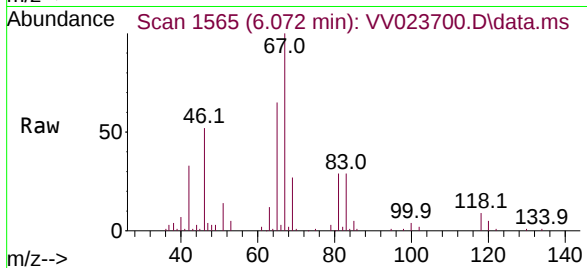
Tgt Ion: 83 Resp: 12703

Ion Ratio Lower Upper

83 100

55 0.5 60.2 90.2#

98 0.0 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.666 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.103 min

Lab File: VV023700.D

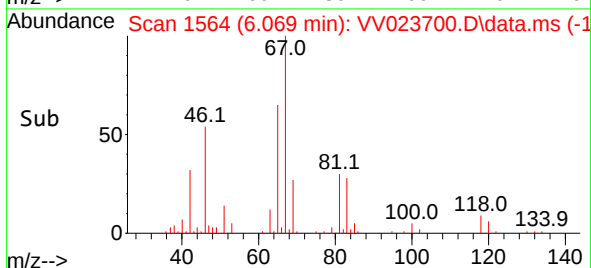
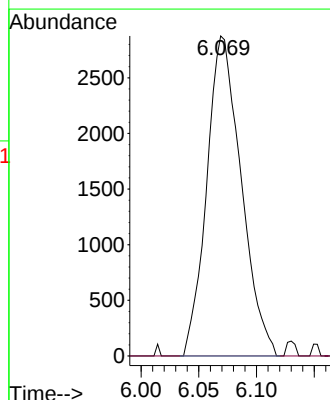
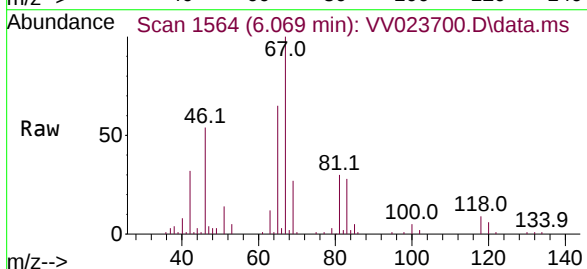
Acq: 24 Nov 2021 15:05

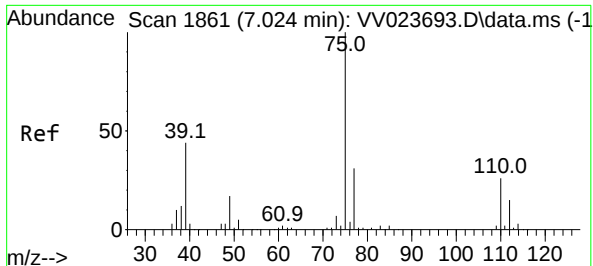
Tgt Ion: 63 Resp: 5972

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.039 min

Lab File: VV023700.D

Acq: 24 Nov 2021 15:05

Instrument :

MSVOA_V

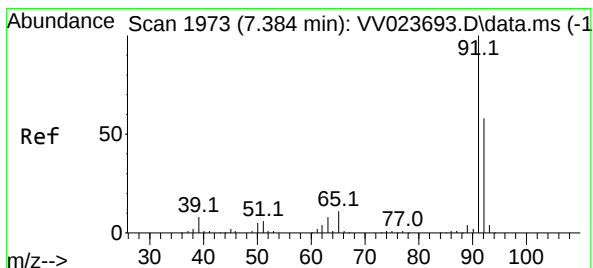
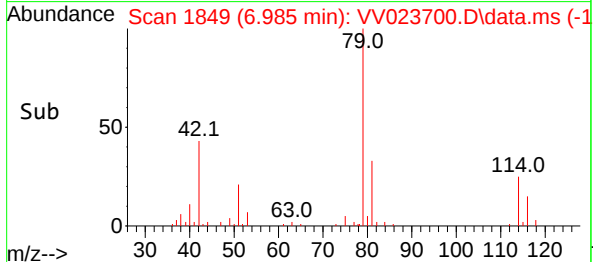
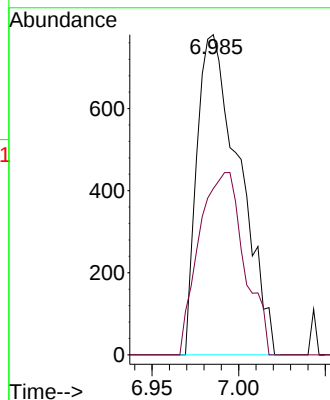
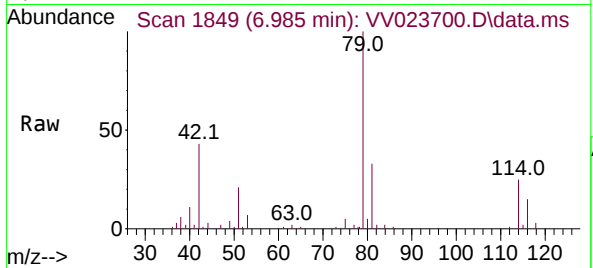
ClientSampleId :

Tgt Ion: 75 Resp: 1326

Ion Ratio Lower Upper

75 100

77 51.9 22.0 41.0#



#42

Toluene

Concen: 0.066 ug/L

RT: 7.403 min Scan# 1979

Delta R.T. 0.019 min

Lab File: VV023700.D

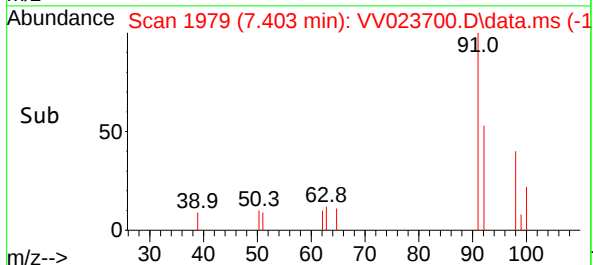
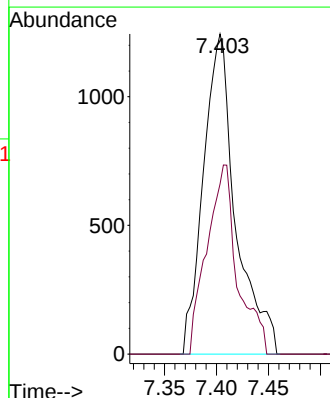
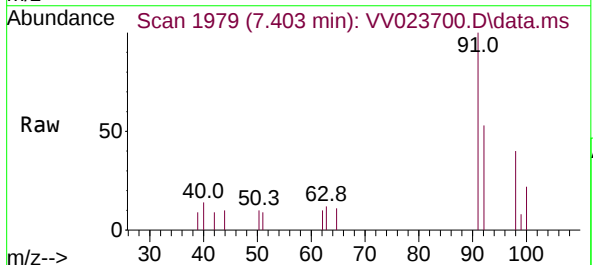
Acq: 24 Nov 2021 15:05

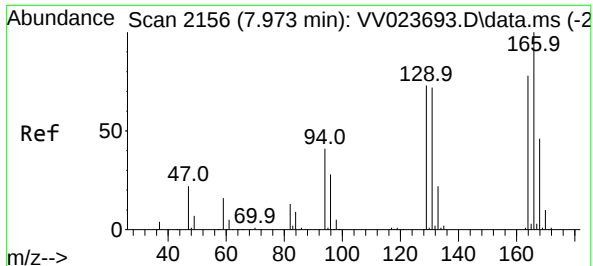
Tgt Ion: 91 Resp: 2687

Ion Ratio Lower Upper

91 100

92 53.1 41.5 77.1





#47

Tetrachloroethene

Concen: 0.251 ug/L

RT: 7.979 min Scan# 2156

Delta R.T. 0.006 min

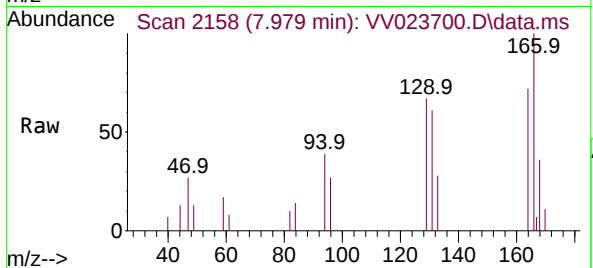
Lab File: VV023700.D

Acq: 24 Nov 2021 15:05

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 2310

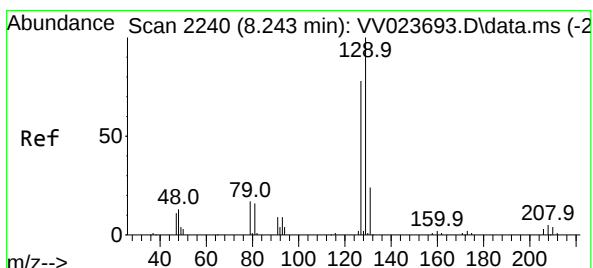
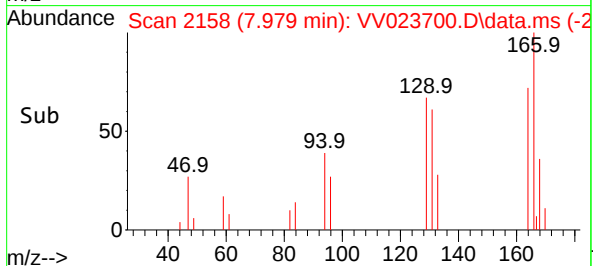
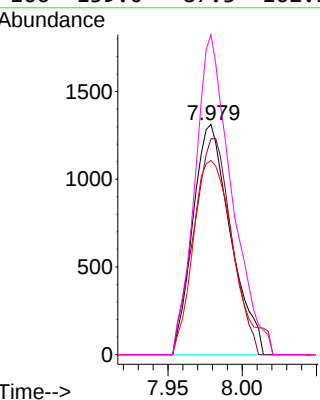
Ion Ratio Lower Upper

164 100

129 93.8 62.6 116.2

131 84.4 61.0 113.4

166 139.0 87.3 162.1



#49

Dibromochloromethane

Concen: 0.256 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.261 min

Lab File: VV023700.D

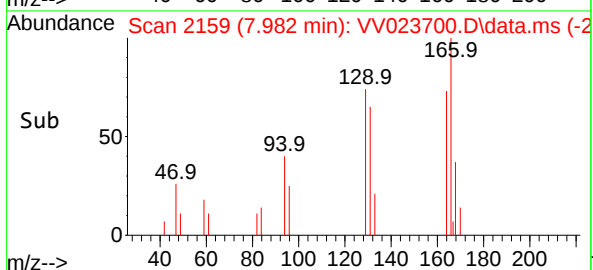
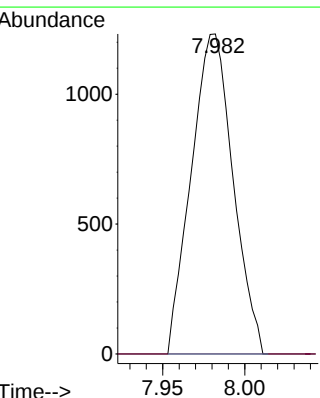
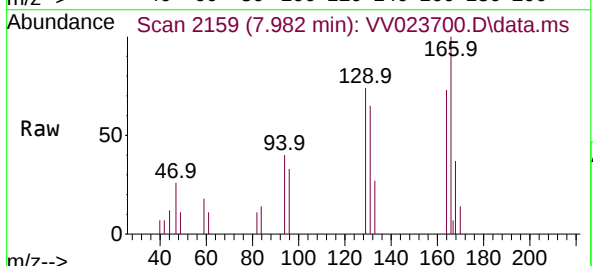
Acq: 24 Nov 2021 15:05

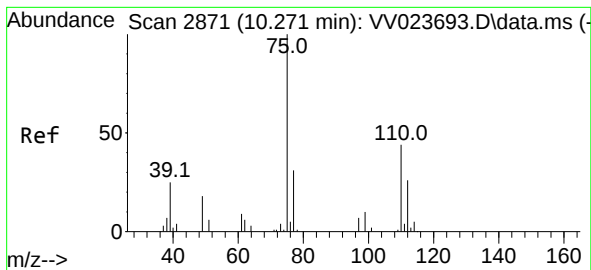
Tgt Ion:129 Resp: 2181

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#





#61

1,2,3-Trichloropropane

Concen: 1.415 ug/L

RT: 11.249 min Scan# 31

Delta R.T. 0.977 min

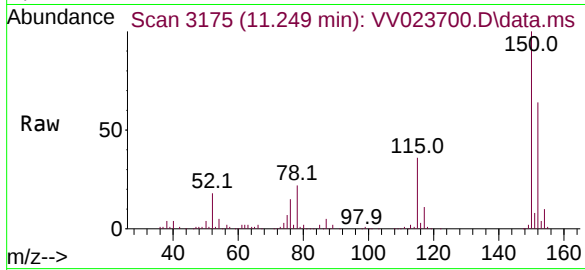
Lab File: VV023700.D

Acq: 24 Nov 2021 15:05

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 6414

Ion Ratio Lower Upper

75 100

77 38.4 26.4 39.6

110 3.7 34.2 51.2#

