

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023712.D
 Acq On : 24 Nov 2021 19:50
 Operator : SY/MD
 Sample : M4821-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:57:06 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	137591	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	133209	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	61202	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	37847	3.351	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.000%
7) Chloroethane-d5	1.568	69	32561	3.667	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.400%
11) 1,1-Dichloroethene-d2	2.108	63	53604	2.693	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.800%#
20) 2-Butanone-d5	3.908	46	51596	37.998	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.000%
24) Chloroform-d	4.349	84	78333	3.983	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
26) 1,2-Dichloroethane-d4	5.034	65	40030	4.357	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.050	84	149468	4.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	6.069	67	45215	4.445	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.317	98	126743	3.738	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.800%
43) trans-1,3-Dichloroprop...	7.625	79	16860	4.112	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.200%
46) 2-Hexanone-d5	8.092	63	63852	46.867	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.740%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	30874	4.217	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	49216	4.548	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	2721	0.228	ug/L #	47
6) Bromomethane	1.526	94	421	0.062	ug/L	89
8) Chloroethane	1.584	64	767	0.102	ug/L	86
12) 1,1-Dichloroethene	2.121	96	1862	0.202	ug/L #	1
13) Acetone	2.201	43	1613	1.320	ug/L	66
18) trans-1,2-Dichloroethene	2.764	96	6922	0.659	ug/L	92
19) 1,1-Dichloroethane	3.191	63	5558	0.315	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	208172	20.673	ug/L	100
34) Trichloroethene	5.912	95	435654	42.824	ug/L	98
35) Methylcyclohexane	6.072	83	11713	0.739	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	5323	0.590	ug/L #	84
39) cis-1,3-Dichloropropene	6.992	75	1468	0.114	ug/L	89
42) Toluene	7.400	91	2774	0.067	ug/L	88
47) Tetrachloroethene	7.979	164	7453	0.805	ug/L	93
48) 2-Hexanone	8.146	43	3145	0.987	ug/L #	93
49) Dibromochloromethane	7.979	129	6584	0.769	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	6250	1.440	ug/L #	60

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Quant Time: Nov 26 01:57:06 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

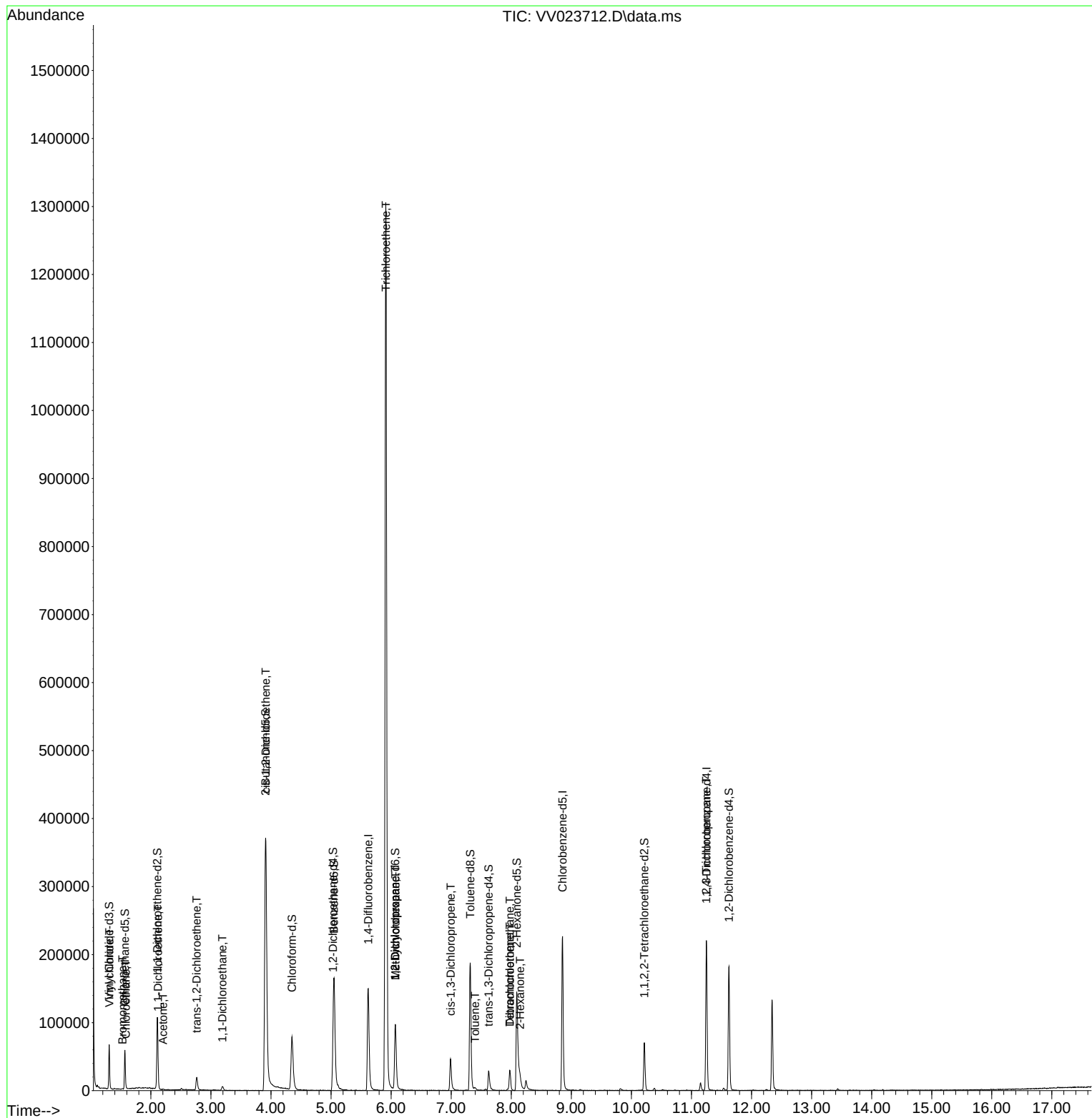
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

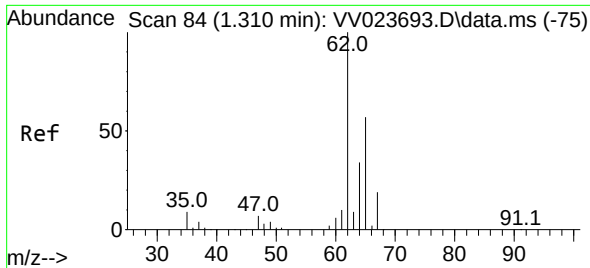
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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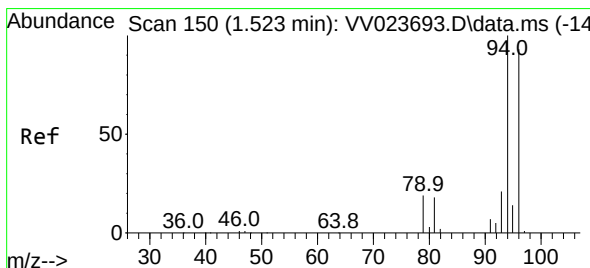
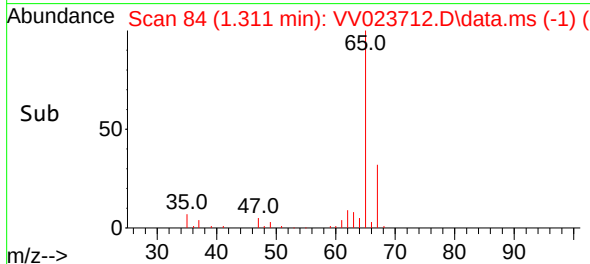
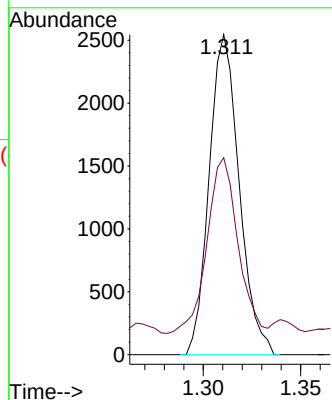
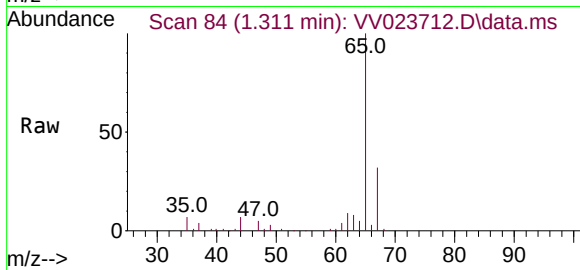




#5
 Vinyl chloride
 Concen: 0.228 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023712.D
 Acq: 24 Nov 2021 19:50

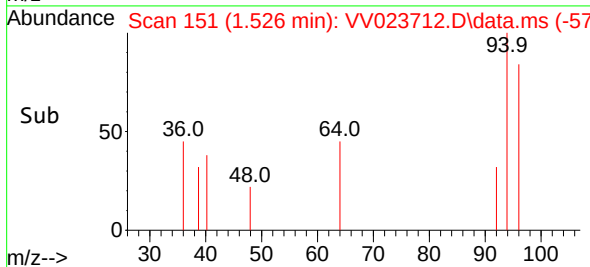
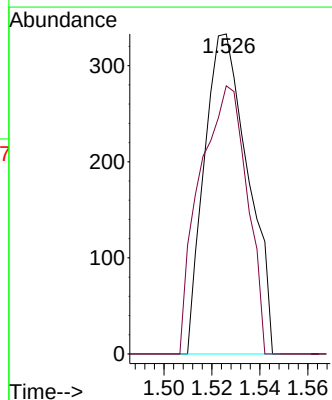
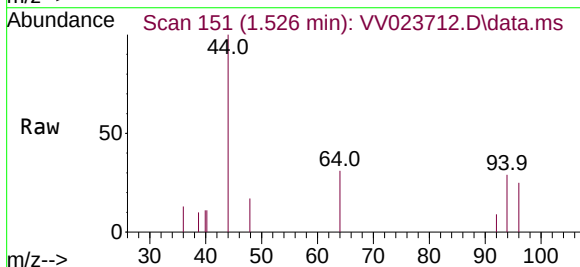
Instrument :
 MSVOA_V
 ClientSampleId :

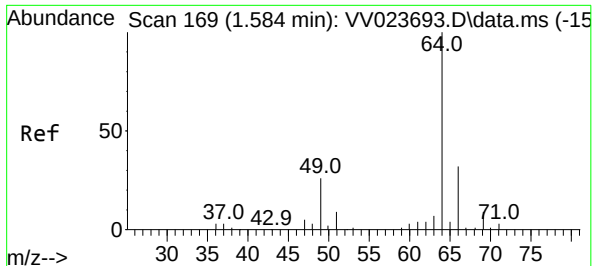
Tgt Ion: 62 Resp: 2721
 Ion Ratio Lower Upper
 62 100
 64 61.6 22.4 41.6#



#6
 Bromomethane
 Concen: 0.062 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV023712.D
 Acq: 24 Nov 2021 19:50

Tgt Ion: 94 Resp: 421
 Ion Ratio Lower Upper
 94 100
 96 83.8 66.2 123.0

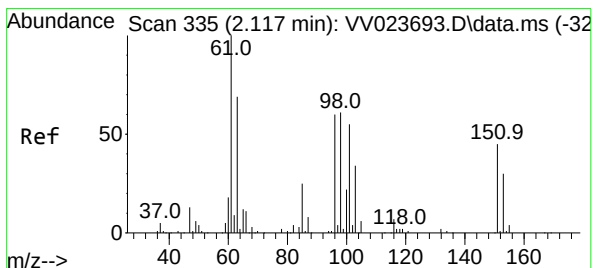
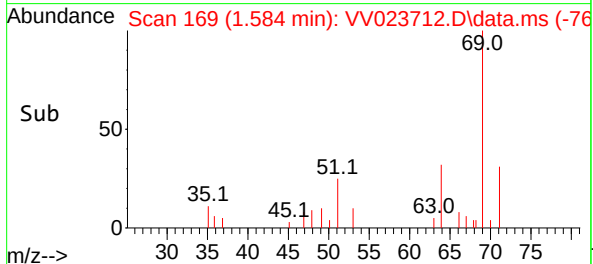
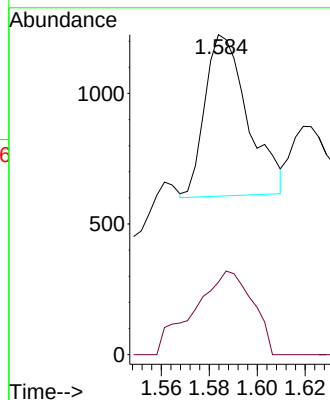
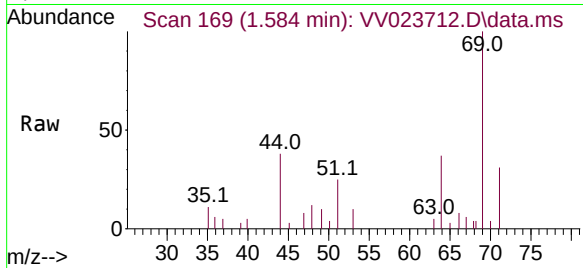




#8
Chloroethane
Concen: 0.102 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV023712.D
Acq: 24 Nov 2021 19:50

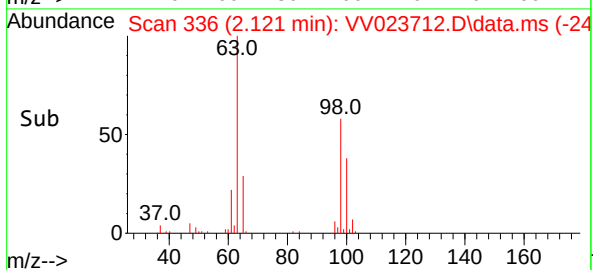
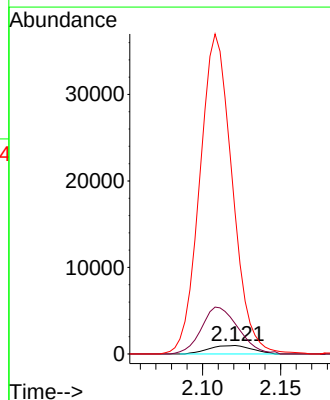
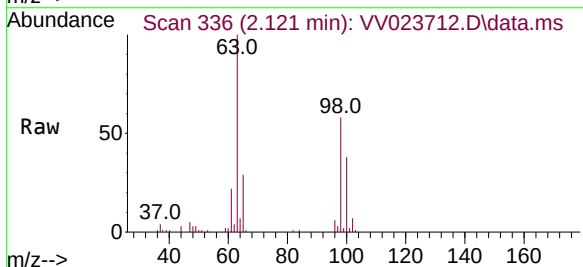
Instrument :
MSVOA_V
ClientSampleId :

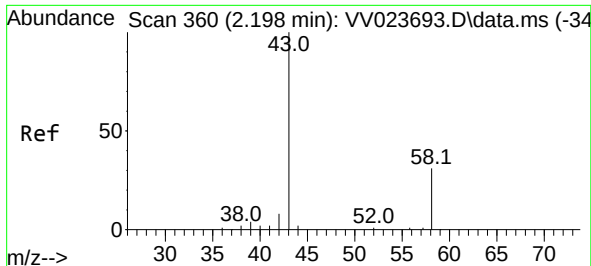
Tgt Ion: 64 Resp: 767
Ion Ratio Lower Upper
64 100
66 22.7 21.4 39.8



#12
1,1-Dichloroethene
Concen: 0.202 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV023712.D
Acq: 24 Nov 2021 19:50

Tgt Ion: 96 Resp: 1862
Ion Ratio Lower Upper
96 100
61 360.4 116.1 215.5#
63 1676.3 79.4 147.4#





#13

Acetone

Concen: 1.320 ug/L

RT: 2.201 min Scan# 3

Delta R.T. 0.003 min

Lab File: VV023712.D

Acq: 24 Nov 2021 19:50

Instrument :

MSVOA_V

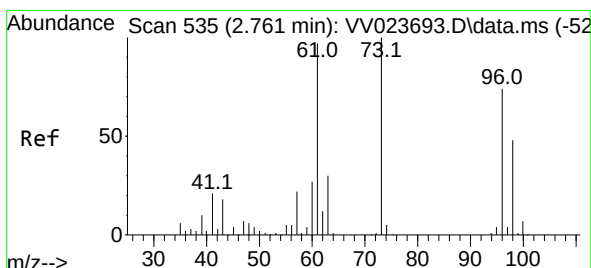
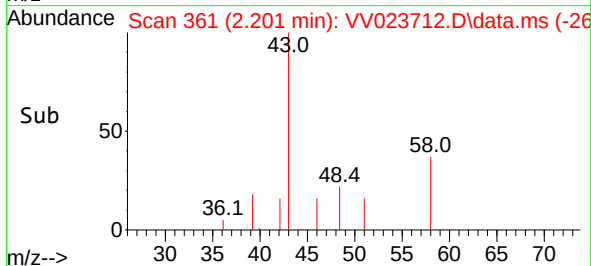
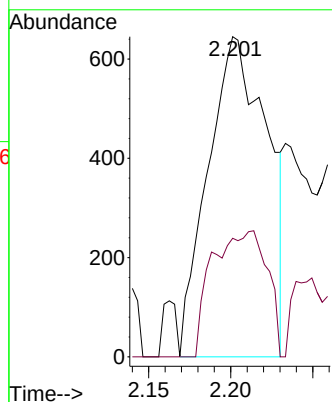
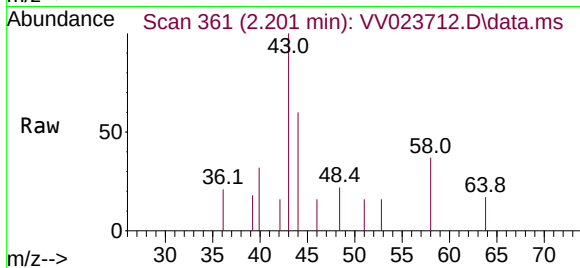
ClientSampleId :

Tgt Ion: 43 Resp: 1613

Ion Ratio Lower Upper

43 100

58 36.6 0.0 41.4



#18

trans-1,2-Dichloroethene

Concen: 0.659 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV023712.D

Acq: 24 Nov 2021 19:50

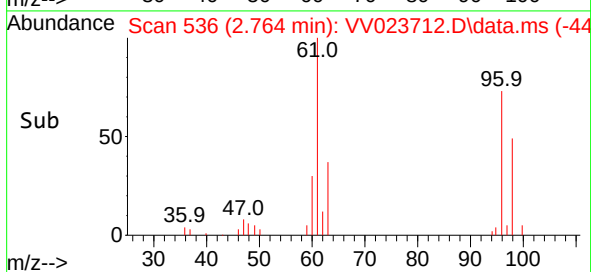
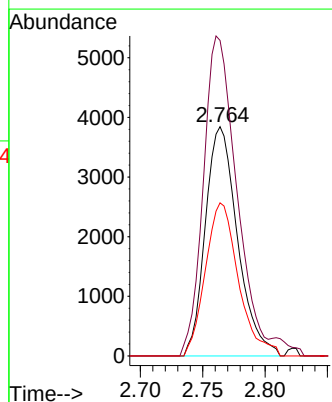
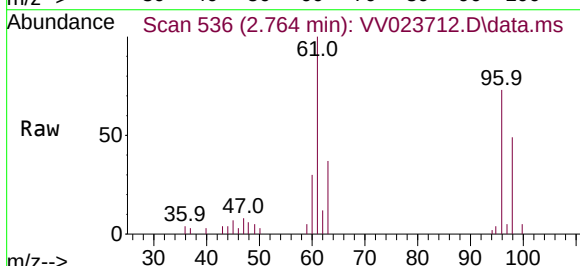
Tgt Ion: 96 Resp: 6922

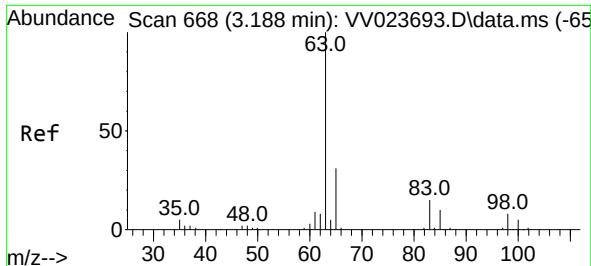
Ion Ratio Lower Upper

96 100

61 137.5 88.2 163.8

98 66.8 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.315 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023712.D

Acq: 24 Nov 2021 19:50

Instrument :

MSVOA_V

ClientSampleId :

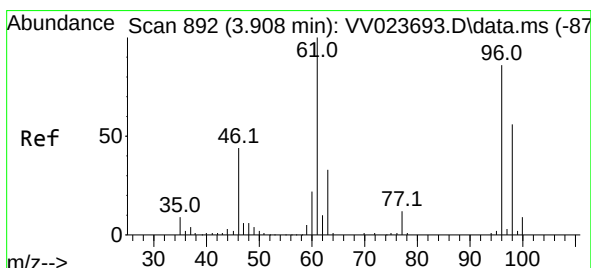
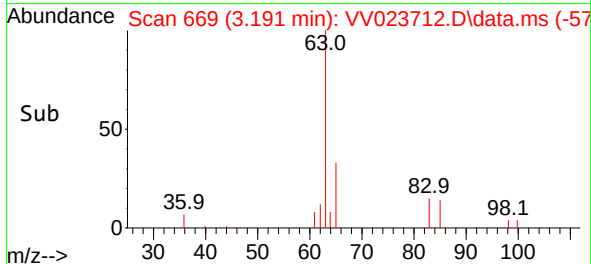
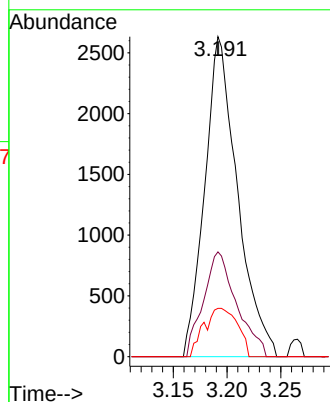
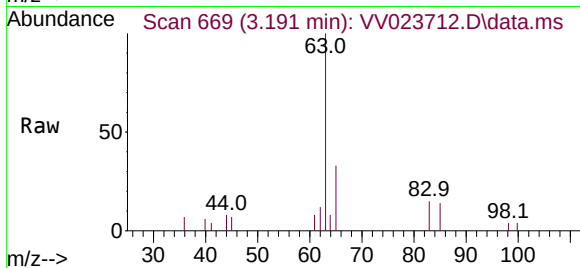
Tgt Ion: 63 Resp: 5558

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.3

83 15.1 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 20.673 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV023712.D

Acq: 24 Nov 2021 19:50

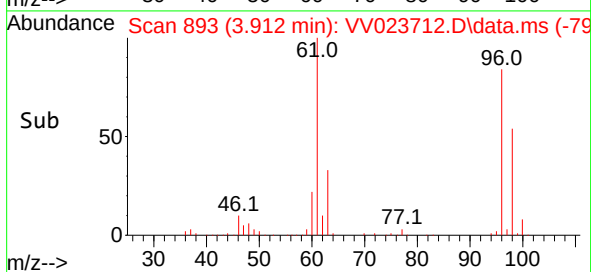
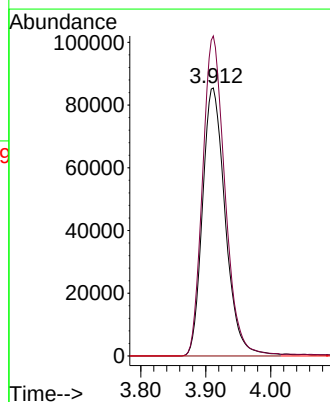
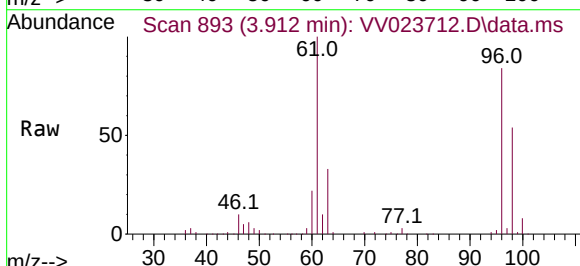
Tgt Ion: 96 Resp: 208172

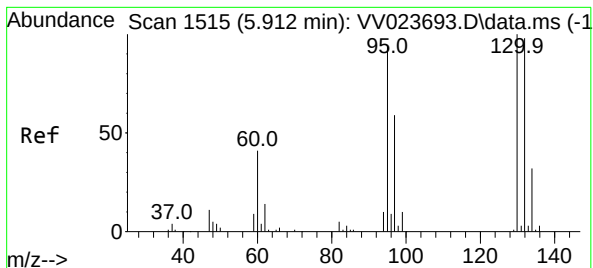
Ion Ratio Lower Upper

96 100

61 119.4 83.4 154.8

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 42.824 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV023712.D

Acq: 24 Nov 2021 19:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 435654

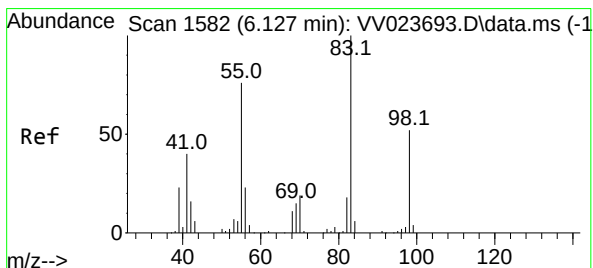
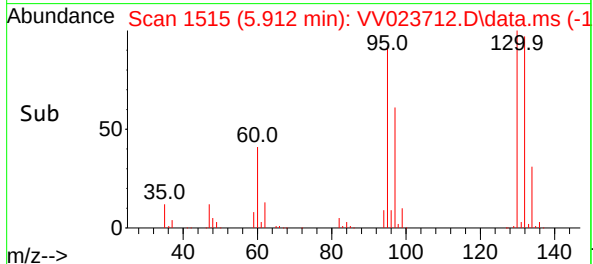
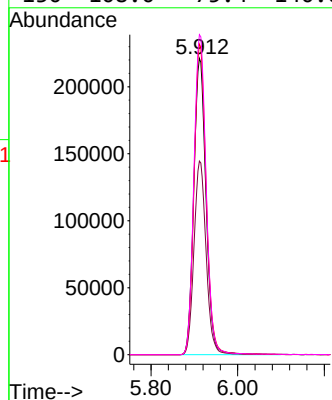
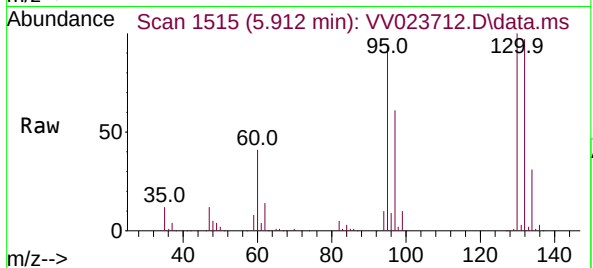
Ion Ratio Lower Upper

95 100

97 65.4 45.2 84.0

132 104.8 76.1 141.3

130 108.0 75.4 140.0



#35

Methylcyclohexane

Concen: 0.739 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV023712.D

Acq: 24 Nov 2021 19:50

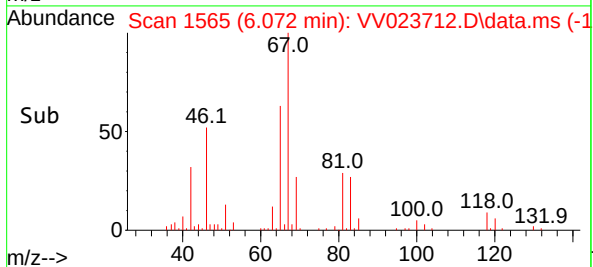
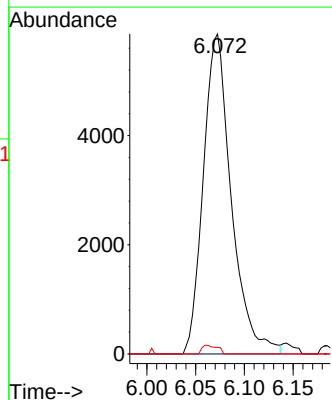
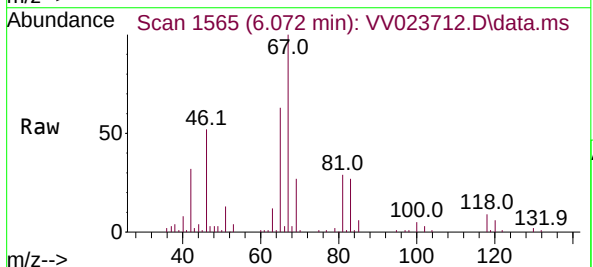
Tgt Ion: 83 Resp: 11713

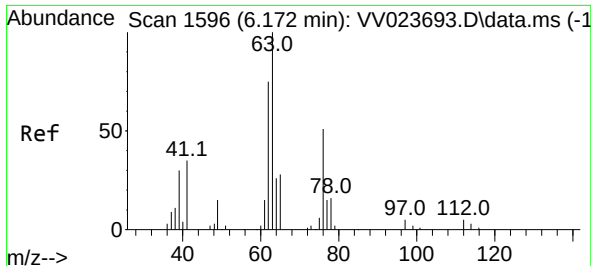
Ion Ratio Lower Upper

83 100

55 0.2 60.2 90.2#

98 0.0 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.590 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV023712.D

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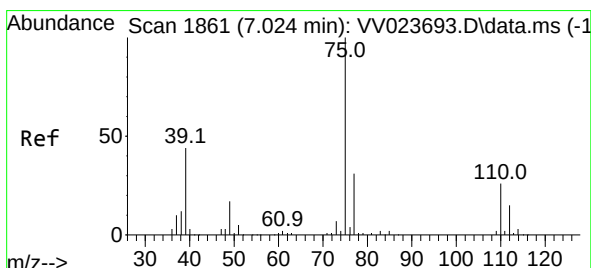
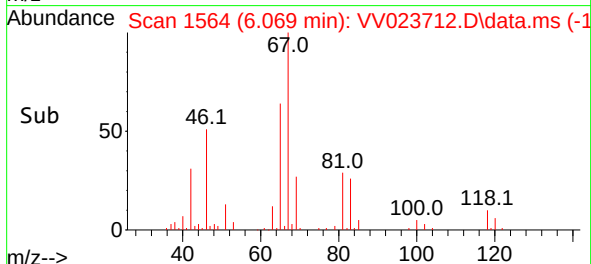
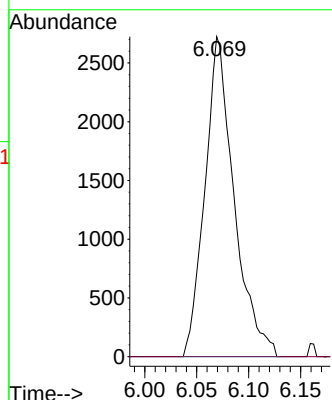
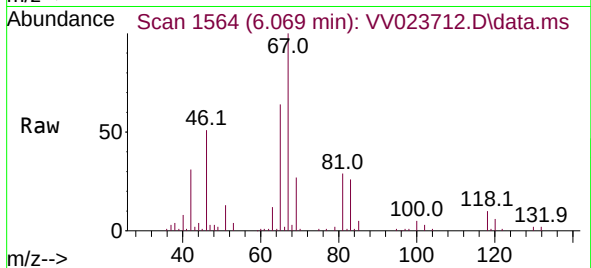
ClientSampleId :

Tgt Ion: 63 Resp: 5323

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.032 min

Lab File: VV023712.D

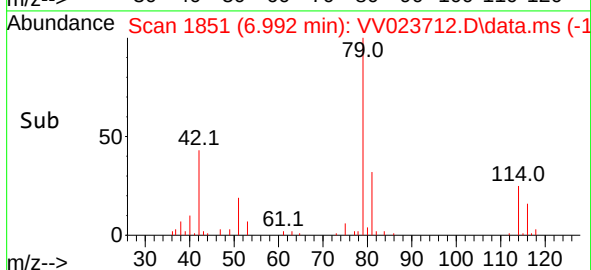
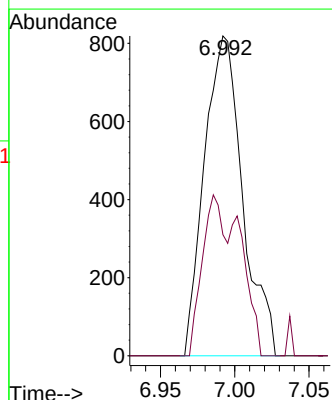
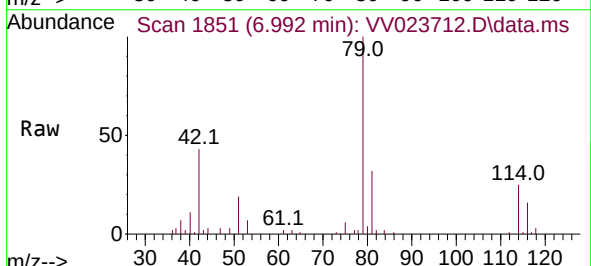
Acq: 24 Nov 2021 19:50

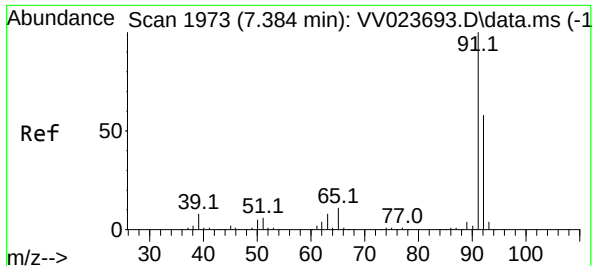
Tgt Ion: 75 Resp: 1468

Ion Ratio Lower Upper

75 100

77 37.9 22.0 41.0

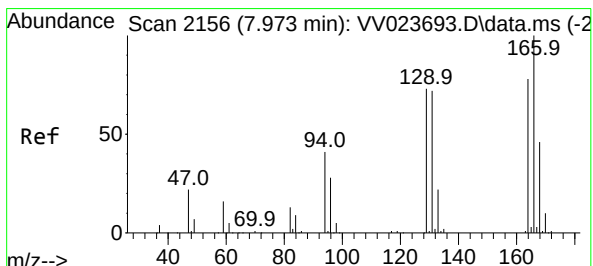
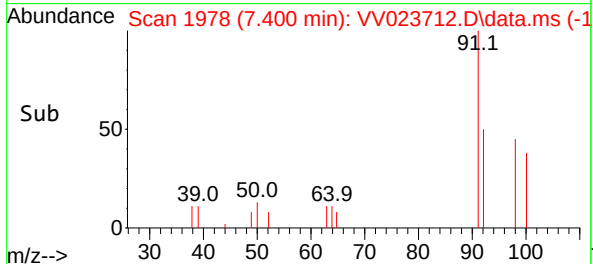
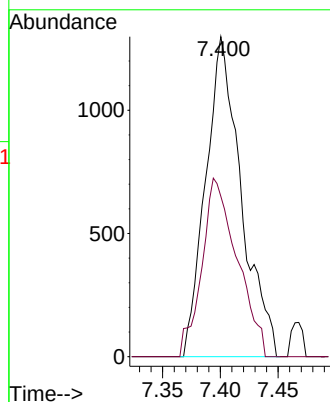
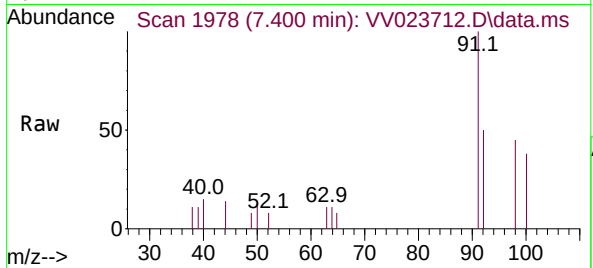




#42
Toluene
Concen: 0.067 ug/L
RT: 7.400 min Scan# 1973
Delta R.T. 0.016 min
Lab File: VV023712.D
Acq: 24 Nov 2021 19:50

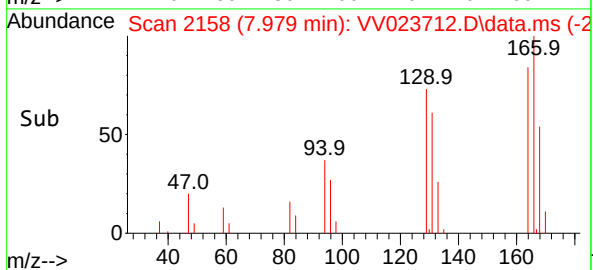
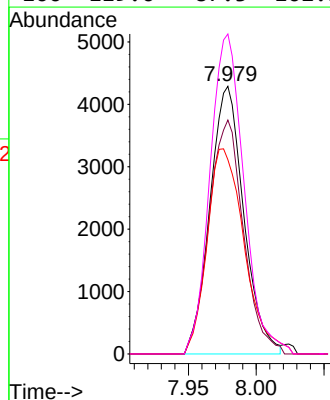
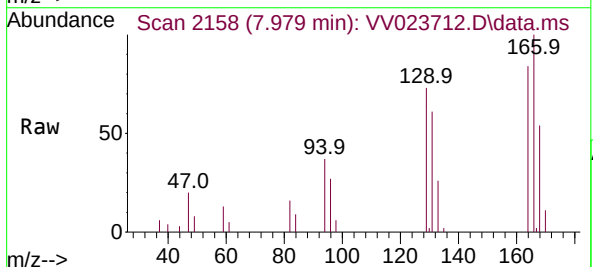
Instrument :
MSVOA_V
ClientSampleId :

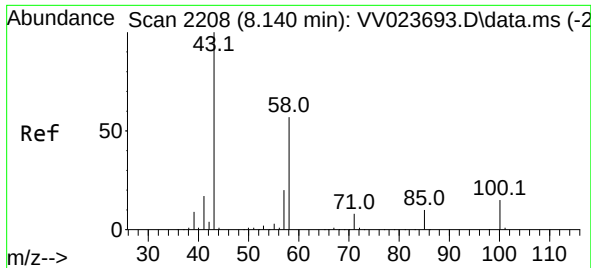
Tgt Ion: 91 Resp: 2774
Ion Ratio Lower Upper
91 100
92 50.1 41.5 77.1



#47
Tetrachloroethene
Concen: 0.805 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.007 min
Lab File: VV023712.D
Acq: 24 Nov 2021 19:50

Tgt Ion: 164 Resp: 7453
Ion Ratio Lower Upper
164 100
129 87.4 62.6 116.2
131 72.6 61.0 113.4
166 119.6 87.3 162.1

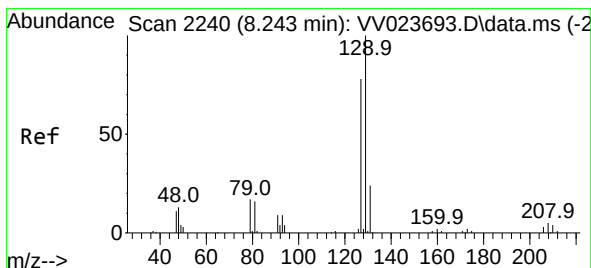
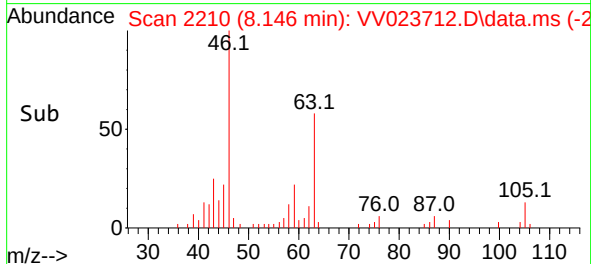
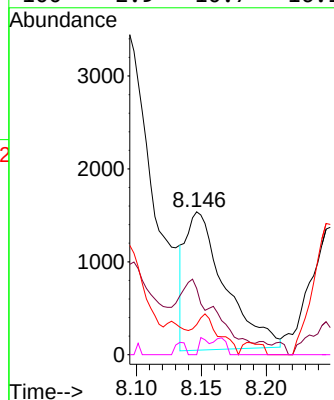
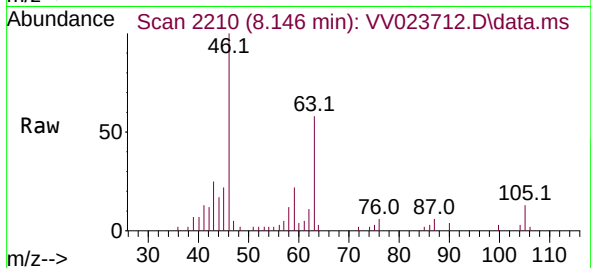




#48
2-Hexanone
Concen: 0.987 ug/L
RT: 8.146 min Scan# 2110
Delta R.T. 0.007 min
Lab File: VV023712.D
Acq: 24 Nov 2021 19:50

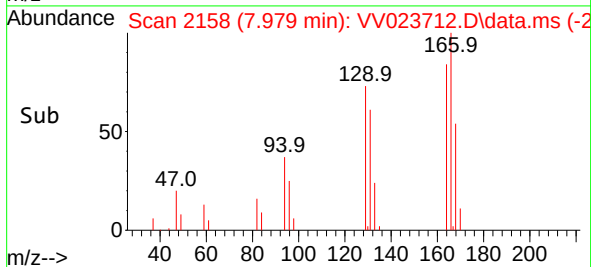
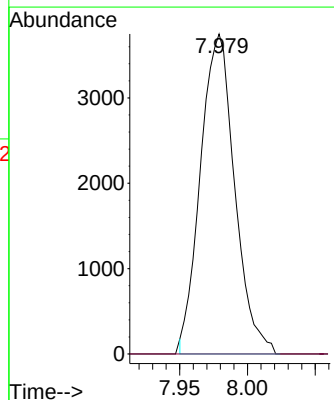
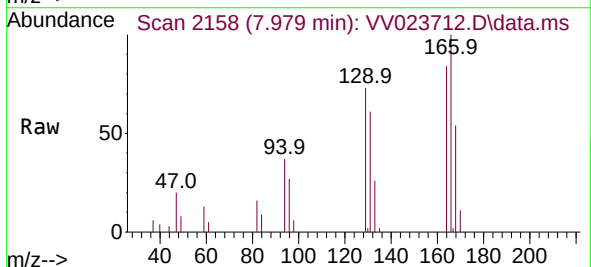
Instrument :
MSVOA_V
ClientSampleId :

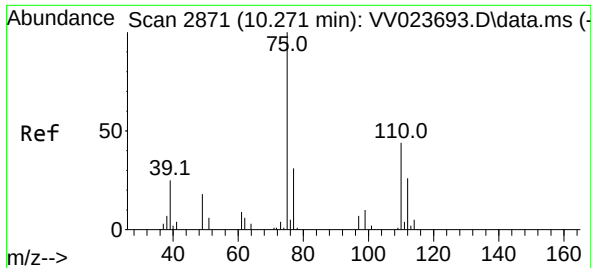
Tgt Ion: 43	Resp:	3145
Ion Ratio	Lower	Upper
43	100	
58	52.8	44.5 66.7
57	18.1	15.1 22.7
100	2.9	10.7 16.1#



#49
Dibromochloromethane
Concen: 0.769 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.264 min
Lab File: VV023712.D
Acq: 24 Nov 2021 19:50

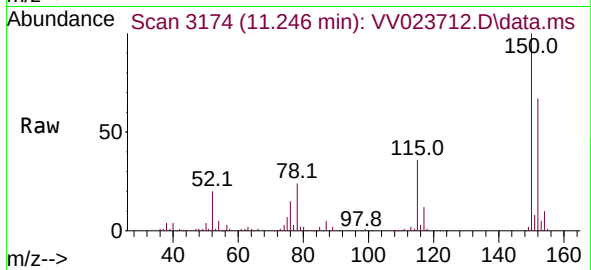
Tgt Ion: 129	Resp:	6584
Ion Ratio	Lower	Upper
129	100	
127	0.0	53.5 99.3#





#61
 1,2,3-Trichloropropane
 Concen: 1.440 ug/L
 RT: 11.246 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV023712.D
 Acq: 24 Nov 2021 19:50

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 6250
 Ion Ratio Lower Upper
 75 100
 77 38.2 26.4 39.6
 110 2.1 34.2 51.2#

