

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023704.D
 Acq On : 24 Nov 2021 16:40
 Operator : SY/MD
 Sample : M4821-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:54:47 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	137690	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	133754	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	64023	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	41325	3.656	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.200%
7) Chloroethane-d5	1.568	69	35018	3.941	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.108	63	58383	2.931	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.600%#
20) 2-Butanone-d5	3.899	46	81298	59.830	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.660%
24) Chloroform-d	4.349	84	78297	3.978	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
26) 1,2-Dichloroethane-d4	5.034	65	42359	4.607	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.050	84	158213	4.342	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
36) 1,2-Dichloropropane-d6	6.069	67	46289	4.532	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.317	98	134937	3.964	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
43) trans-1,3-Dichloroprop...	7.625	79	17678	4.294	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.088	63	71213	52.057	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.120%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	33568	4.567	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	53845	4.757	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	1706	0.131	ug/L	98
6) Bromomethane	1.526	94	413	0.061	ug/L	93
8) Chloroethane	1.581	64	1774	0.235	ug/L #	62
12) 1,1-Dichloroethene	2.111	96	668	0.072	ug/L #	1
13) Acetone	2.185	43	1483	1.213	ug/L	66
17) Methyl tert-butyl Ether	2.767	73	495110	26.189	ug/L	99
19) 1,1-Dichloroethane	3.195	63	1971	0.112	ug/L	97
22) cis-1,2-Dichloroethene	3.918	96	7475	0.742	ug/L	100
25) Chloroform	4.381	83	7342	0.373	ug/L	97
27) 1,2-Dichloroethane	5.047	62	920	0.088	ug/L #	73
34) Trichloroethene	5.921	95	8428	0.825	ug/L	100
35) Methylcyclohexane	6.069	83	11905	0.748	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	5901	0.651	ug/L #	84
39) cis-1,3-Dichloropropene	6.995	75	1528	0.118	ug/L #	79
42) Toluene	7.400	91	2611	0.063	ug/L	77
45) 1,1,2-Trichloroethane	7.973	97	777	0.124	ug/L #	1
47) Tetrachloroethene	7.976	164	89995	9.679	ug/L	98
49) Dibromochloromethane	7.976	129	82112	9.547	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	6307	1.389	ug/L #	62

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

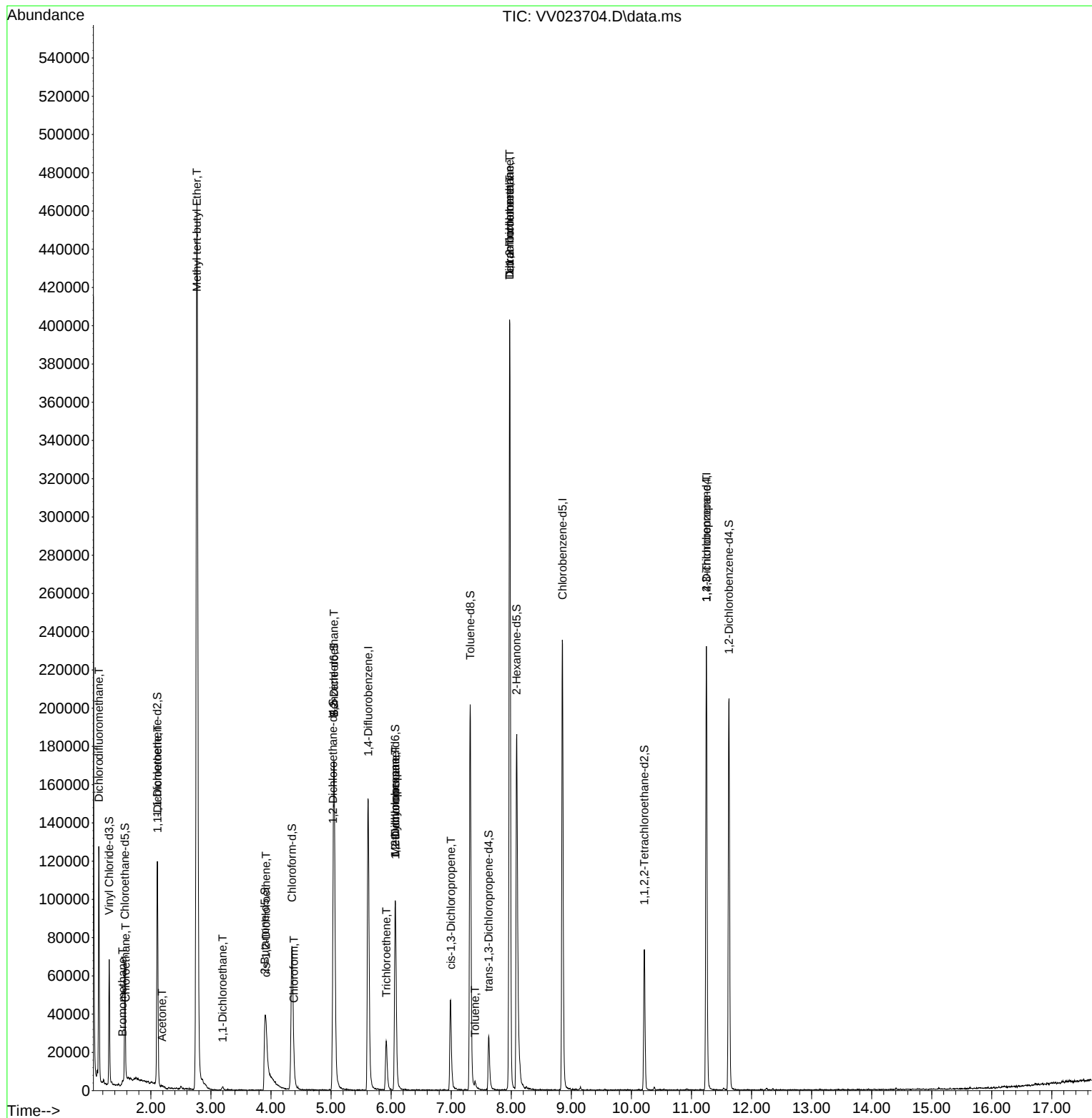
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

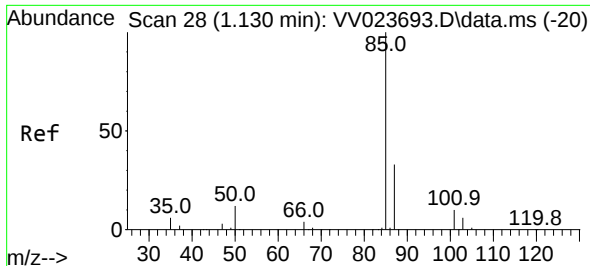
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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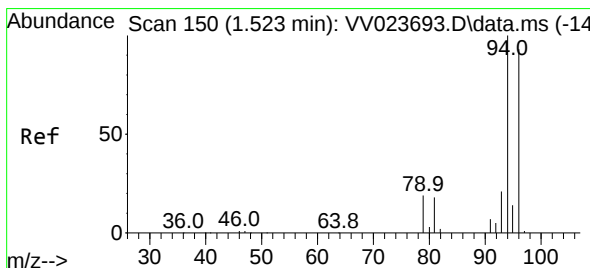
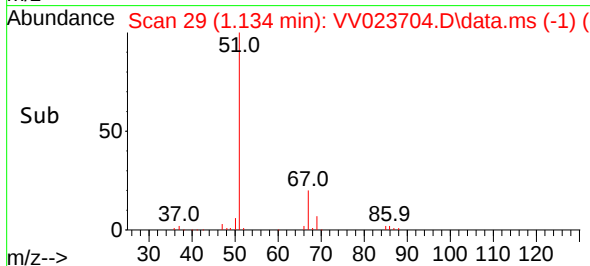
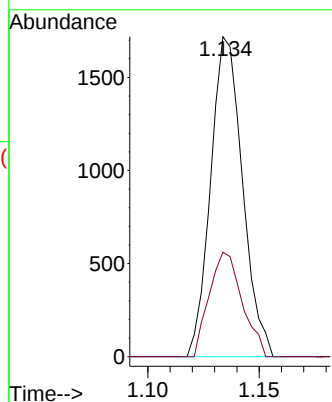
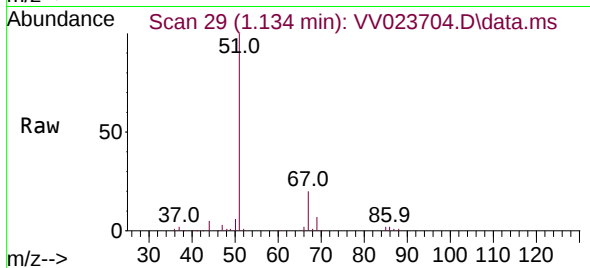




#2
 Dichlorodifluoromethane
 Concen: 0.131 ug/L
 RT: 1.134 min Scan# 28
 Delta R.T. 0.003 min
 Lab File: VV023704.D
 Acq: 24 Nov 2021 16:40

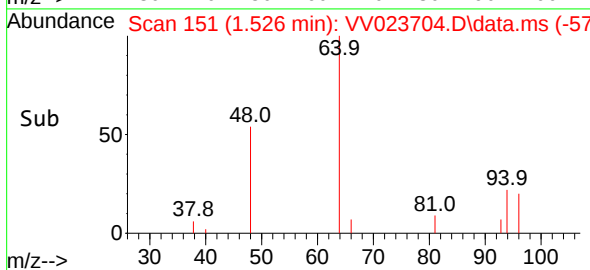
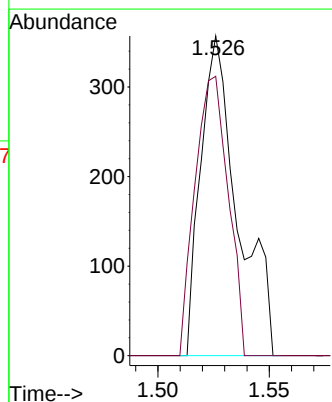
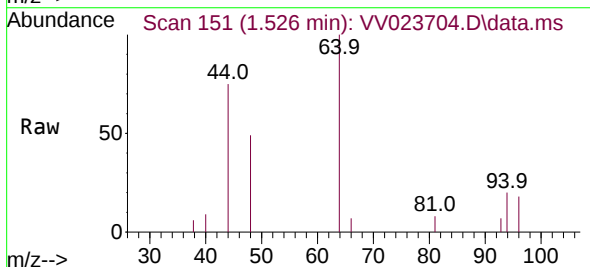
Instrument :
 MSVOA_V
 ClientSampleId :

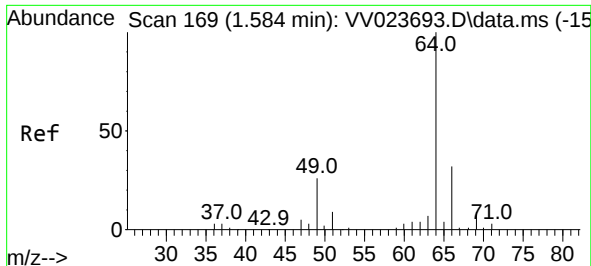
Tgt Ion: 85 Resp: 1706
 Ion Ratio Lower Upper
 85 100
 87 33.6 26.0 39.0



#6
 Bromomethane
 Concen: 0.061 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV023704.D
 Acq: 24 Nov 2021 16:40

Tgt Ion: 94 Resp: 413
 Ion Ratio Lower Upper
 94 100
 96 87.4 66.2 123.0

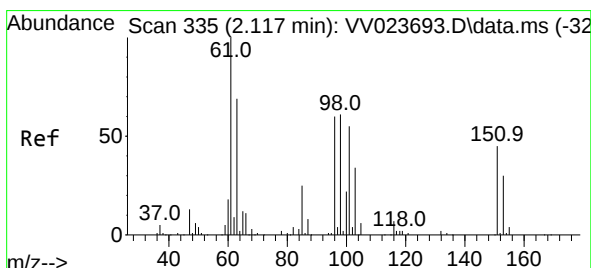
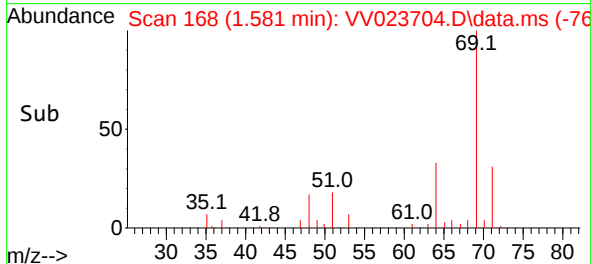
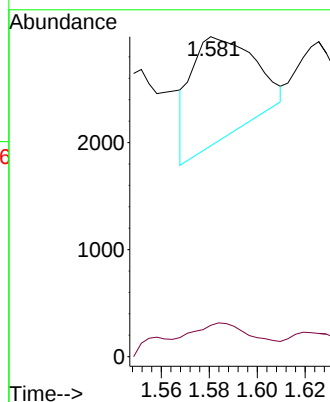
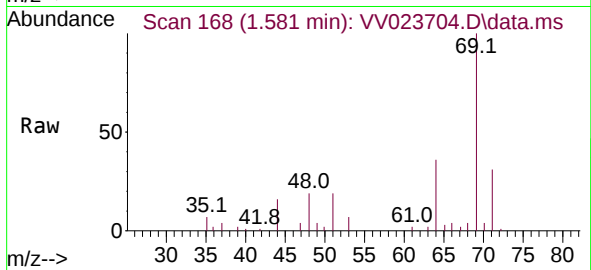




#8
Chloroethane
Concen: 0.235 ug/L
RT: 1.581 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV023704.D
Acq: 24 Nov 2021 16:40

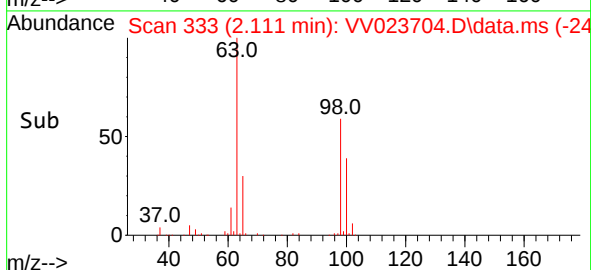
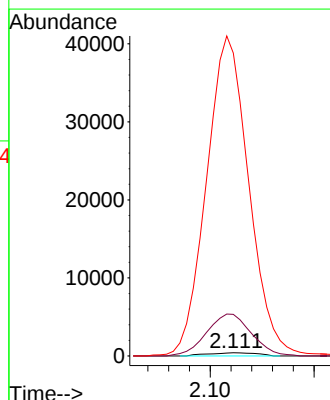
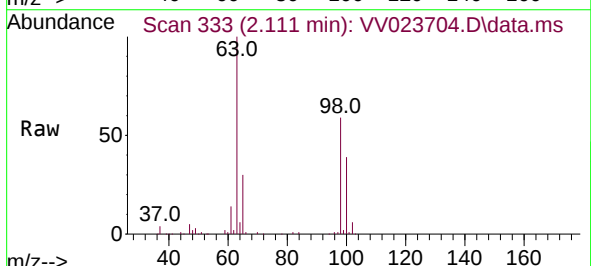
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MSVOA_V
ClientSampleId :

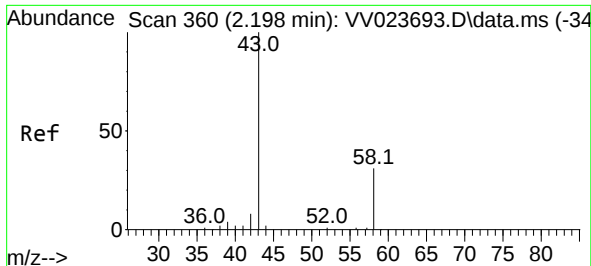
Tgt Ion: 64 Resp: 1774
Ion Ratio Lower Upper
64 100
66 9.8 21.4 39.8#



#12
1,1-Dichloroethene
Concen: 0.072 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV023704.D
Acq: 24 Nov 2021 16:40

Tgt Ion: 96 Resp: 668
Ion Ratio Lower Upper
96 100
61 1327.6 116.1 215.5#
63 9655.7 79.4 147.4#

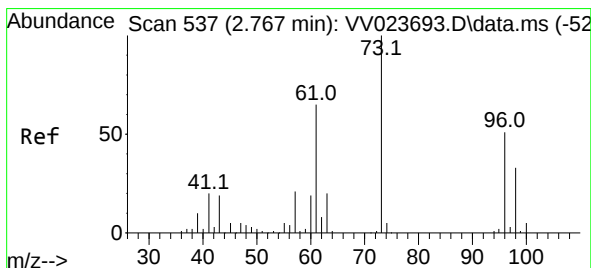
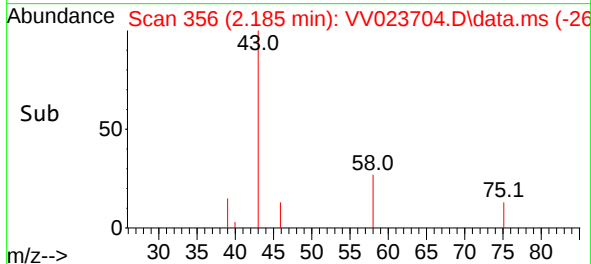
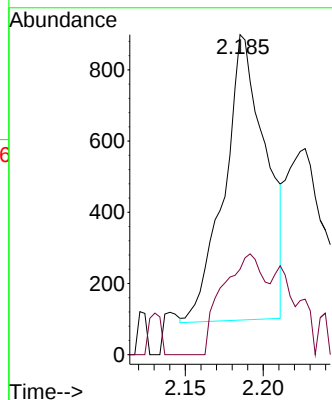
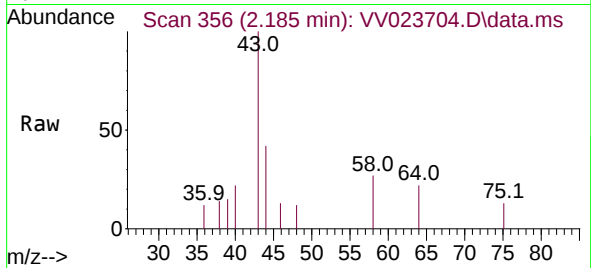




#13
Acetone
Concen: 1.213 ug/L
RT: 2.185 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV023704.D
Acq: 24 Nov 2021 16:40

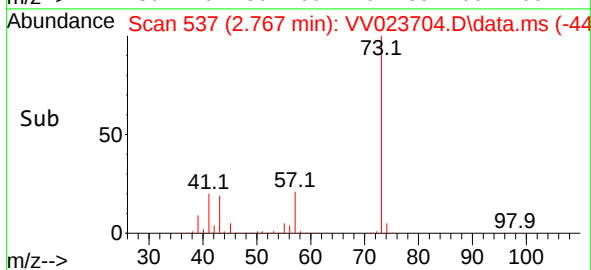
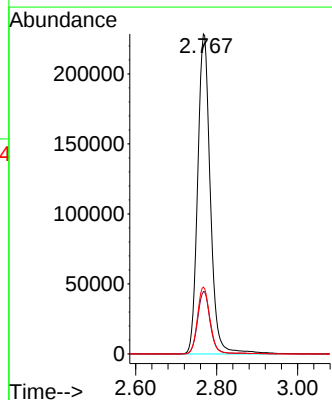
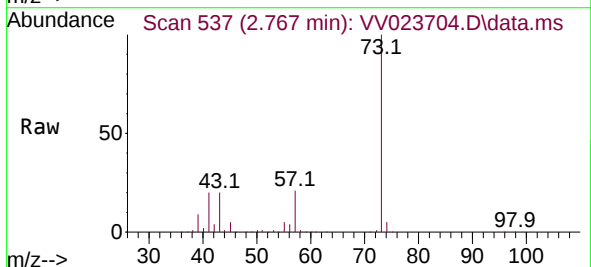
Instrument :
MSVOA_V
ClientSampleId :

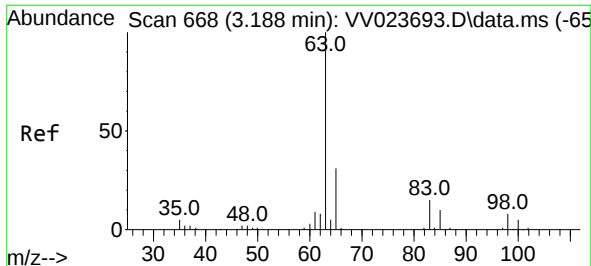
Tgt Ion: 43 Resp: 1483
Ion Ratio Lower Upper
43 100
58 36.5 0.0 41.4



#17
Methyl tert-butyl Ether
Concen: 26.189 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV023704.D
Acq: 24 Nov 2021 16:40

Tgt Ion: 73 Resp: 495110
Ion Ratio Lower Upper
73 100
43 19.2 15.5 23.3
57 20.6 17.1 25.7





#19

1,1-Dichloroethane

Concen: 0.112 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.007 min

Lab File: VV023704.D

Acq: 24 Nov 2021 16:40

Instrument :

MSVOA_V

ClientSampleId :

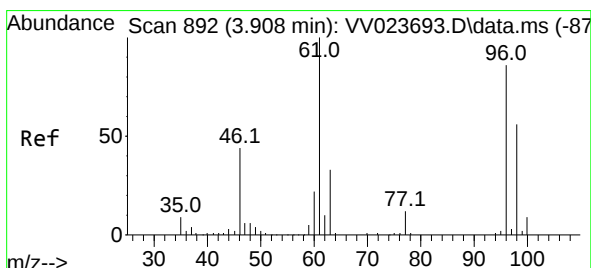
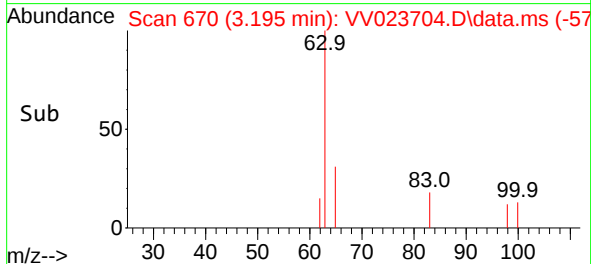
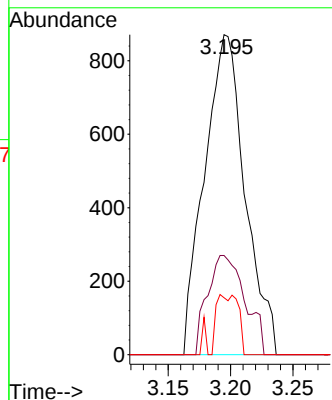
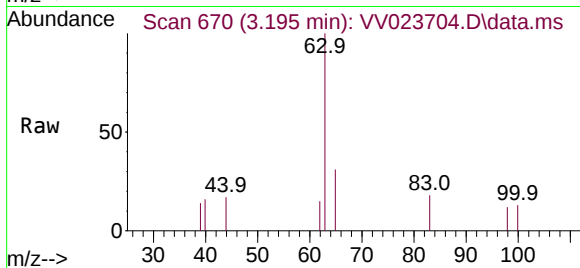
Tgt Ion: 63 Resp: 1971

Ion Ratio Lower Upper

63 100

65 31.0 22.3 41.3

83 17.8 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 0.742 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.010 min

Lab File: VV023704.D

Acq: 24 Nov 2021 16:40

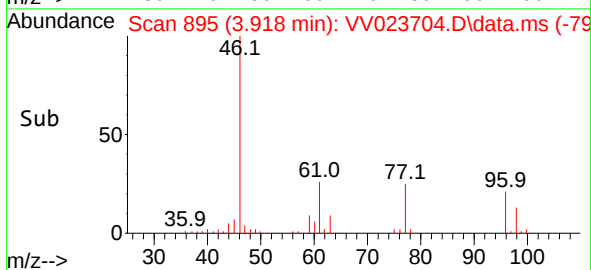
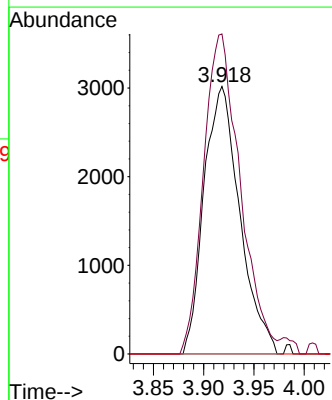
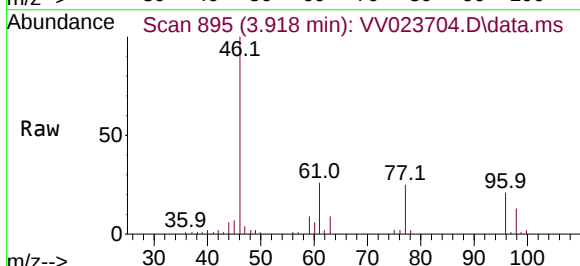
Tgt Ion: 96 Resp: 7475

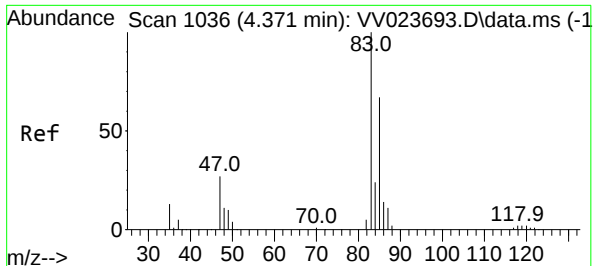
Ion Ratio Lower Upper

96 100

61 119.6 83.4 154.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.373 ug/L

RT: 4.381 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV023704.D

Acq: 24 Nov 2021 16:40

Instrument :

MSVOA_V

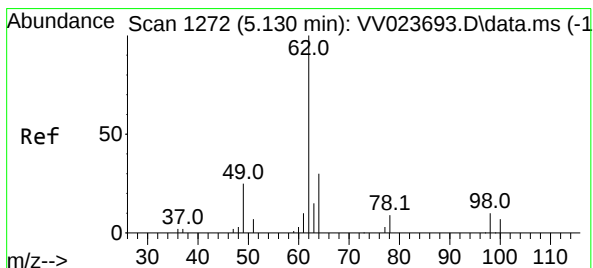
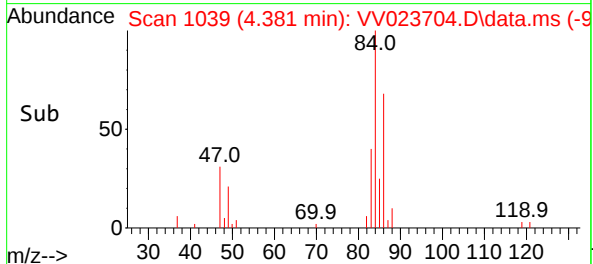
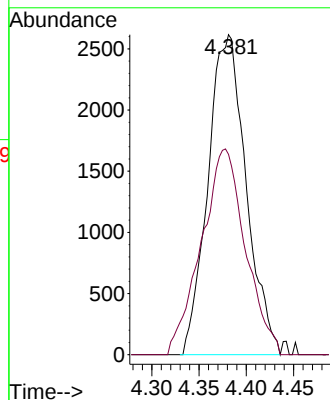
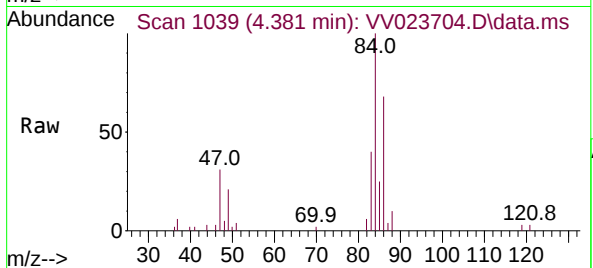
ClientSampleId :

Tgt Ion: 83 Resp: 7342

Ion Ratio Lower Upper

83 100

85 62.6 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.088 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.083 min

Lab File: VV023704.D

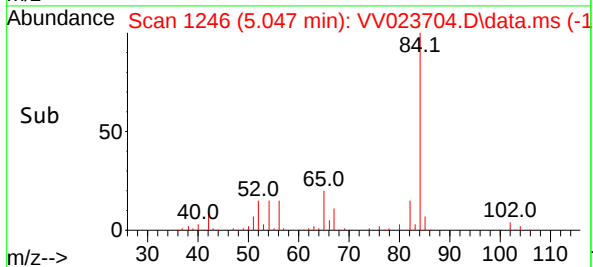
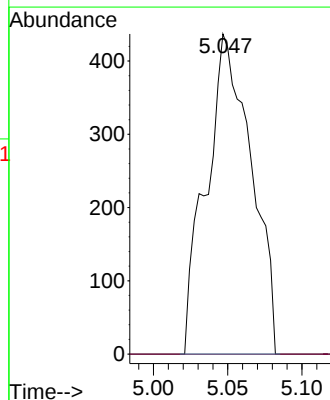
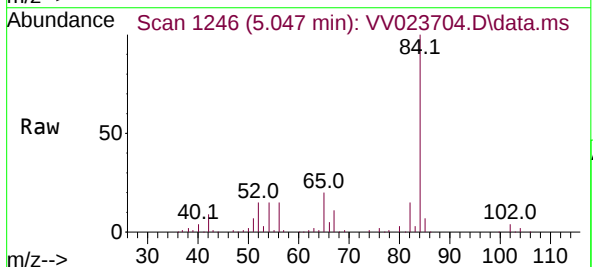
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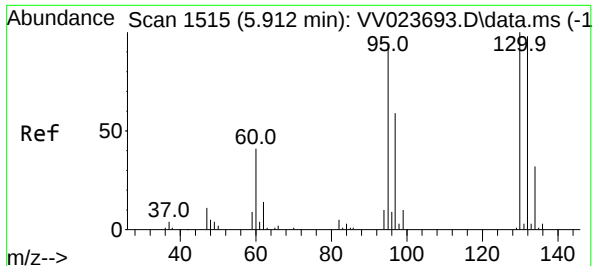
Tgt Ion: 62 Resp: 920

Ion Ratio Lower Upper

62 100

98 0.0 8.1 12.1#

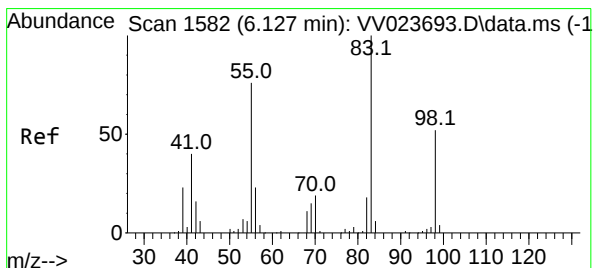
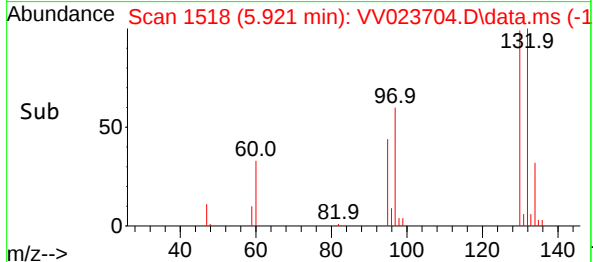
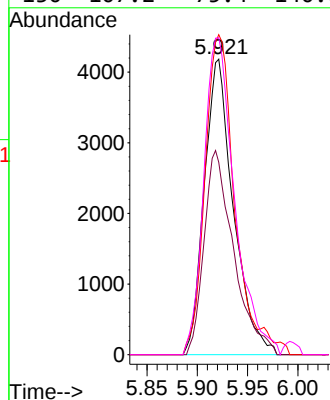
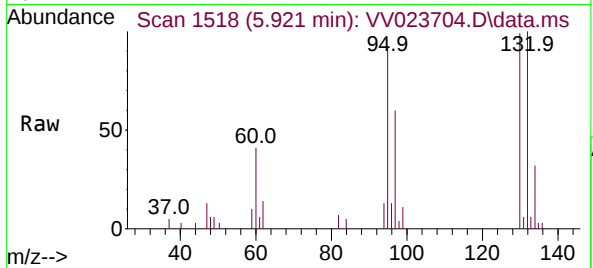




#34
Trichloroethene
Concen: 0.825 ug/L
RT: 5.921 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV023704.D
Acq: 24 Nov 2021 16:40

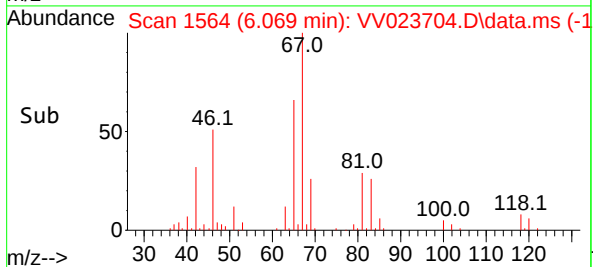
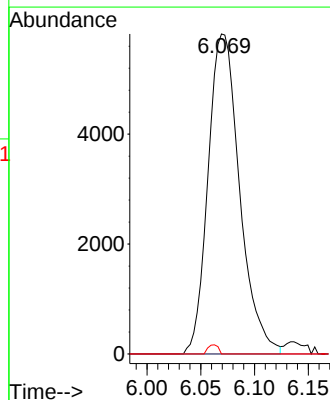
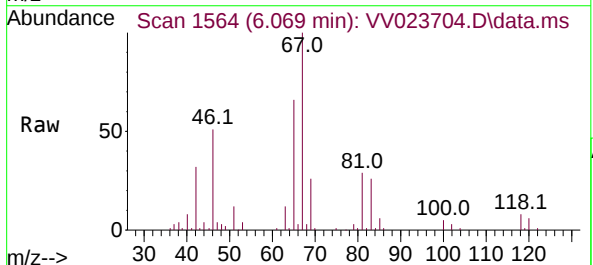
Instrument :
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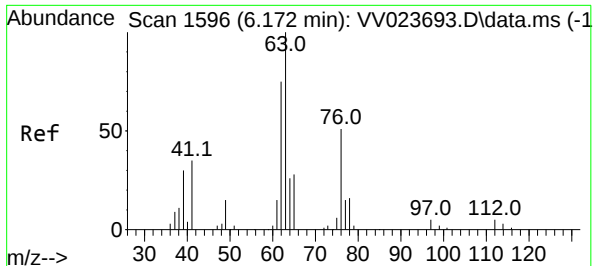
Tgt Ion: 95 Resp: 8428
Ion Ratio Lower Upper
95 100
97 65.1 45.2 84.0
132 108.3 76.1 141.3
130 107.2 75.4 140.0



#35
Methylcyclohexane
Concen: 0.748 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV023704.D
Acq: 24 Nov 2021 16:40

Tgt Ion: 83 Resp: 11905
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.2#
98 0.9 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.651 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV023704.D

Acq: 24 Nov 2021 16:40

Instrument :

MSVOA_V

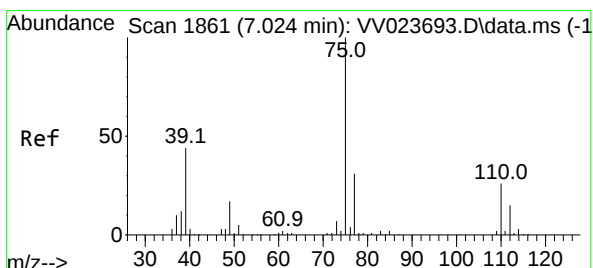
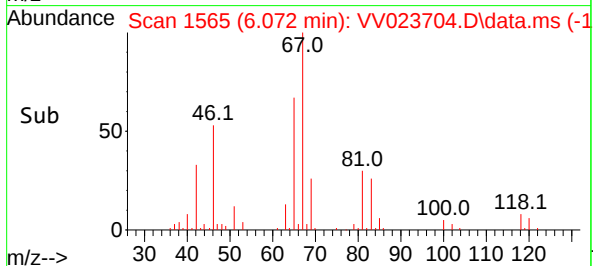
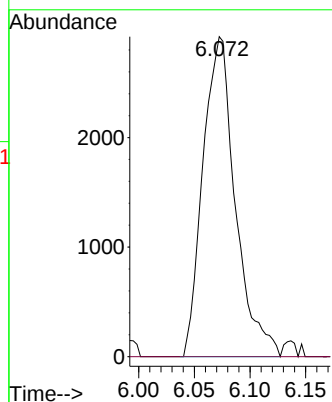
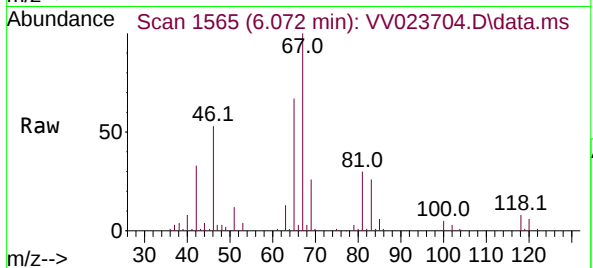
ClientSampleId :

Tgt Ion: 63 Resp: 5901

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.029 min

Lab File: VV023704.D

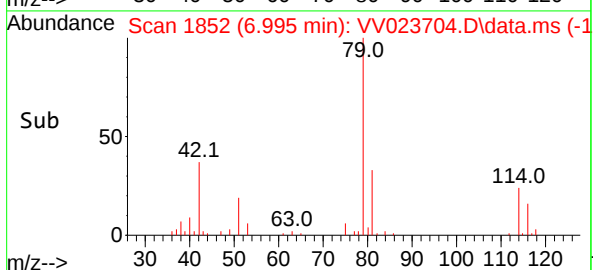
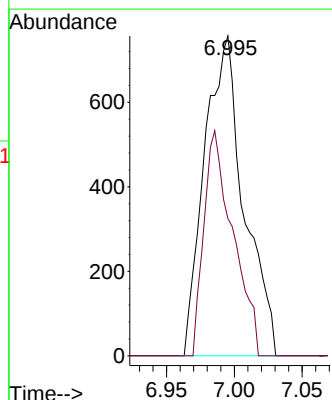
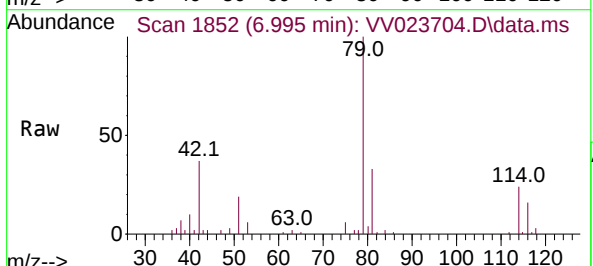
Acq: 24 Nov 2021 16:40

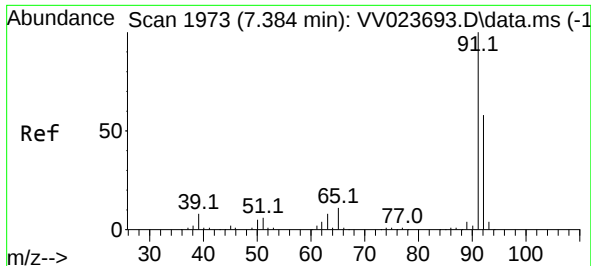
Tgt Ion: 75 Resp: 1528

Ion Ratio Lower Upper

75 100

77 42.9 22.0 41.0#





#42

Toluene

Concen: 0.063 ug/L

RT: 7.400 min Scan# 1973

Delta R.T. 0.016 min

Lab File: VV023704.D

Acq: 24 Nov 2021 16:40

Instrument :

MSVOA_V

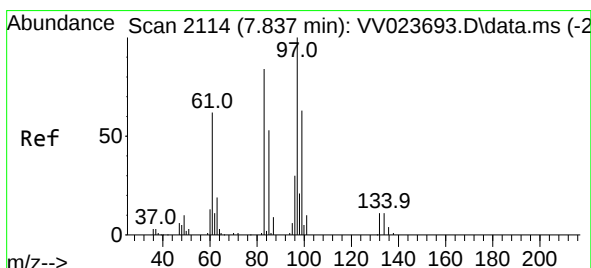
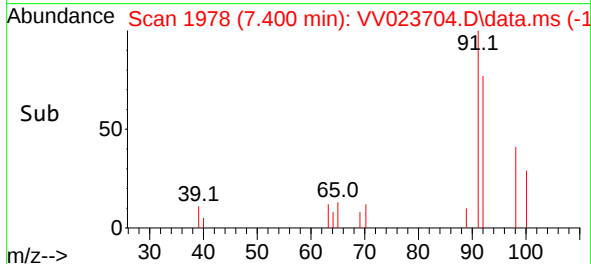
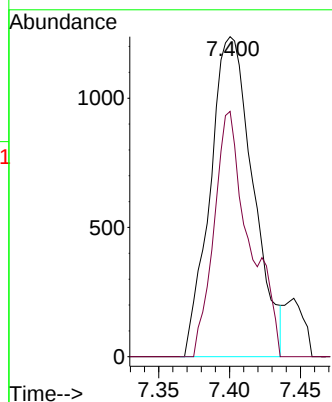
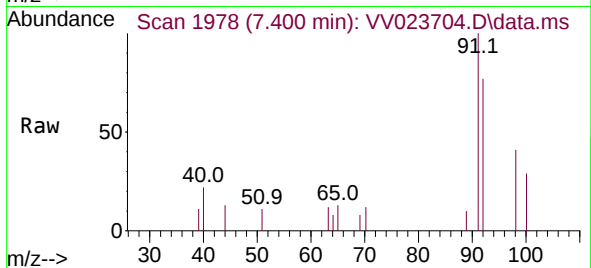
ClientSampleId :

Tgt Ion: 91 Resp: 2611

Ion Ratio Lower Upper

91 100

92 76.7 41.5 77.1



#45

1,1,2-Trichloroethane

Concen: 0.124 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.135 min

Lab File: VV023704.D

Acq: 24 Nov 2021 16:40

Tgt Ion: 97 Resp: 777

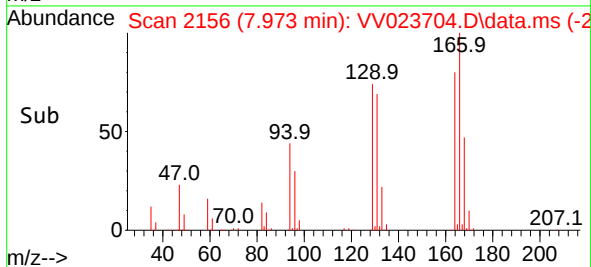
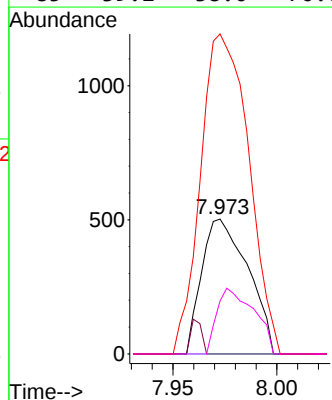
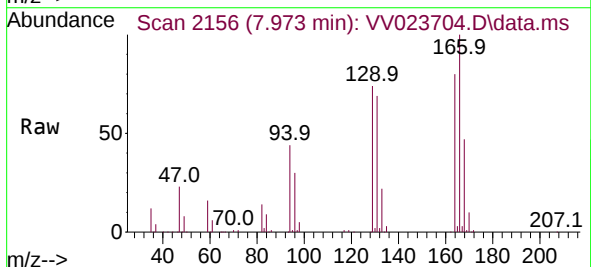
Ion Ratio Lower Upper

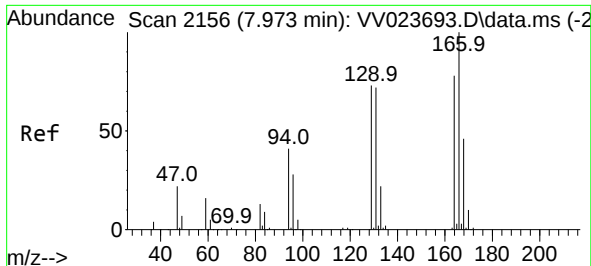
97 100

99 0.0 43.1 80.1#

83 237.2 57.9 107.5#

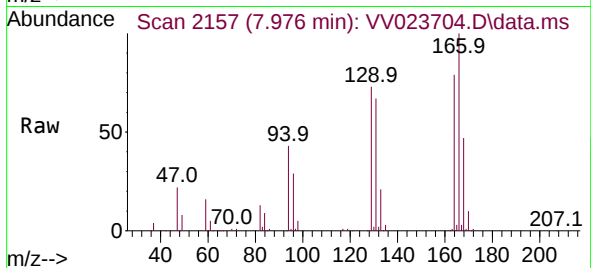
85 39.2 38.0 70.6



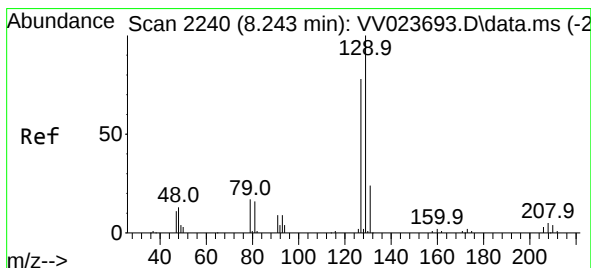
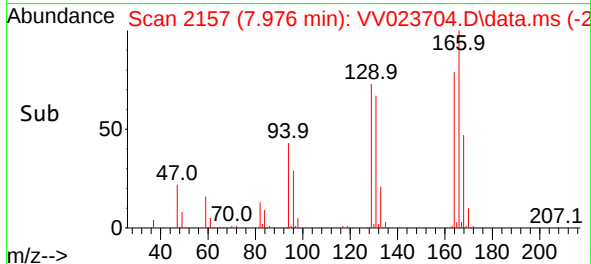
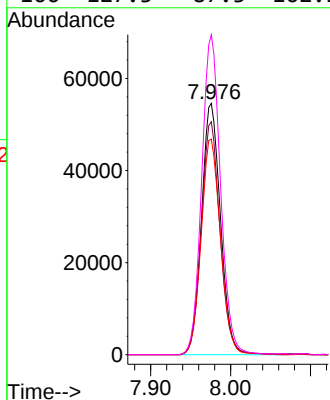


#47
Tetrachloroethene
Concen: 9.679 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023704.D
Acq: 24 Nov 2021 16:40

Instrument :
MSVOA_V
ClientSampleId :

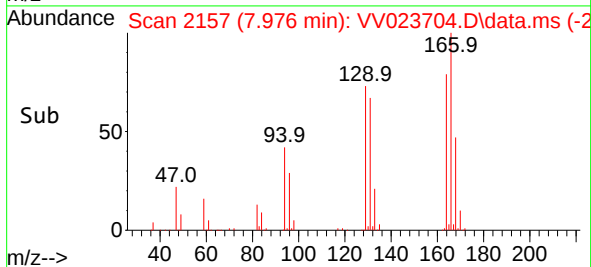
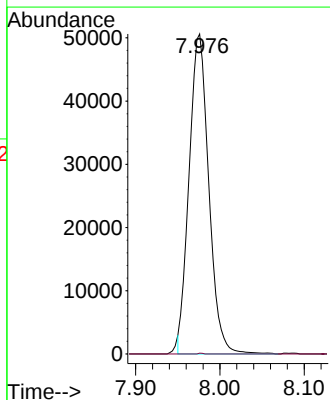
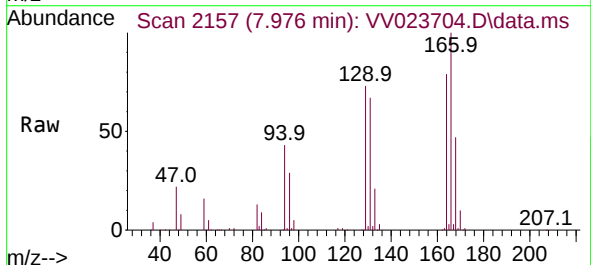


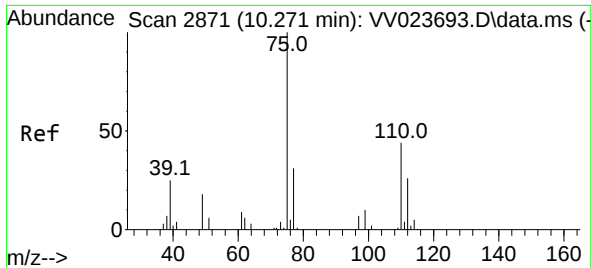
Tgt Ion:164 Resp: 89995
Ion Ratio Lower Upper
164 100
129 92.7 62.6 116.2
131 85.7 61.0 113.4
166 127.3 87.3 162.1



#49
Dibromochloromethane
Concen: 9.547 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.267 min
Lab File: VV023704.D
Acq: 24 Nov 2021 16:40

Tgt Ion:129 Resp: 82112
Ion Ratio Lower Upper
129 100
127 0.2 53.5 99.3#





#61

1,2,3-Trichloropropane

Concen: 1.389 ug/L

RT: 11.249 min Scan# 31

Delta R.T. 0.978 min

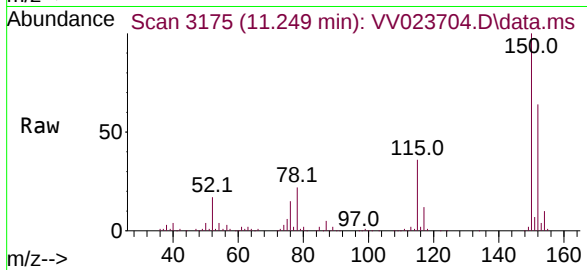
Lab File: VV023704.D

Acq: 24 Nov 2021 16:40

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 6307

Ion Ratio Lower Upper

75 100

77 36.8 26.4 39.6

110 2.9 34.2 51.2#

