

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101520\
 Data File : VV018928.D
 Acq On : 15 Oct 2020 22:10
 Operator : SY/MD
 Sample : L4382-15DL 200X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3Z3

Quant Time: Oct 16 08:48:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:38:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	305540	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	307595	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	142554	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	120246	47.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.62%
7) Chloroethane-d5	1.58	69	98488	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.86%
11) 1,1-Dichloroethene-d2	2.12	63	175792	37.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.04%
21) 2-Butanone-d5	3.91	46	167555	95.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.58%
24) Chloroform-d	4.38	84	213870	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
26) 1,2-Dichloroethane-d4	5.06	65	152220	50.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.50%
32) Benzene-d6	5.07	84	419688	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
36) 1,2-Dichloropropane-d6	6.09	67	142324	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.14%
41) Toluene-d8	7.34	98	377656	46.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.76%
43) trans-1,3-Dichloropropene-	7.64	79	64922	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.52%
47) 2-Hexanone-d5	8.11	63	100479	94.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.21%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	148065	44.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	150444	51.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.74%

Target Compounds

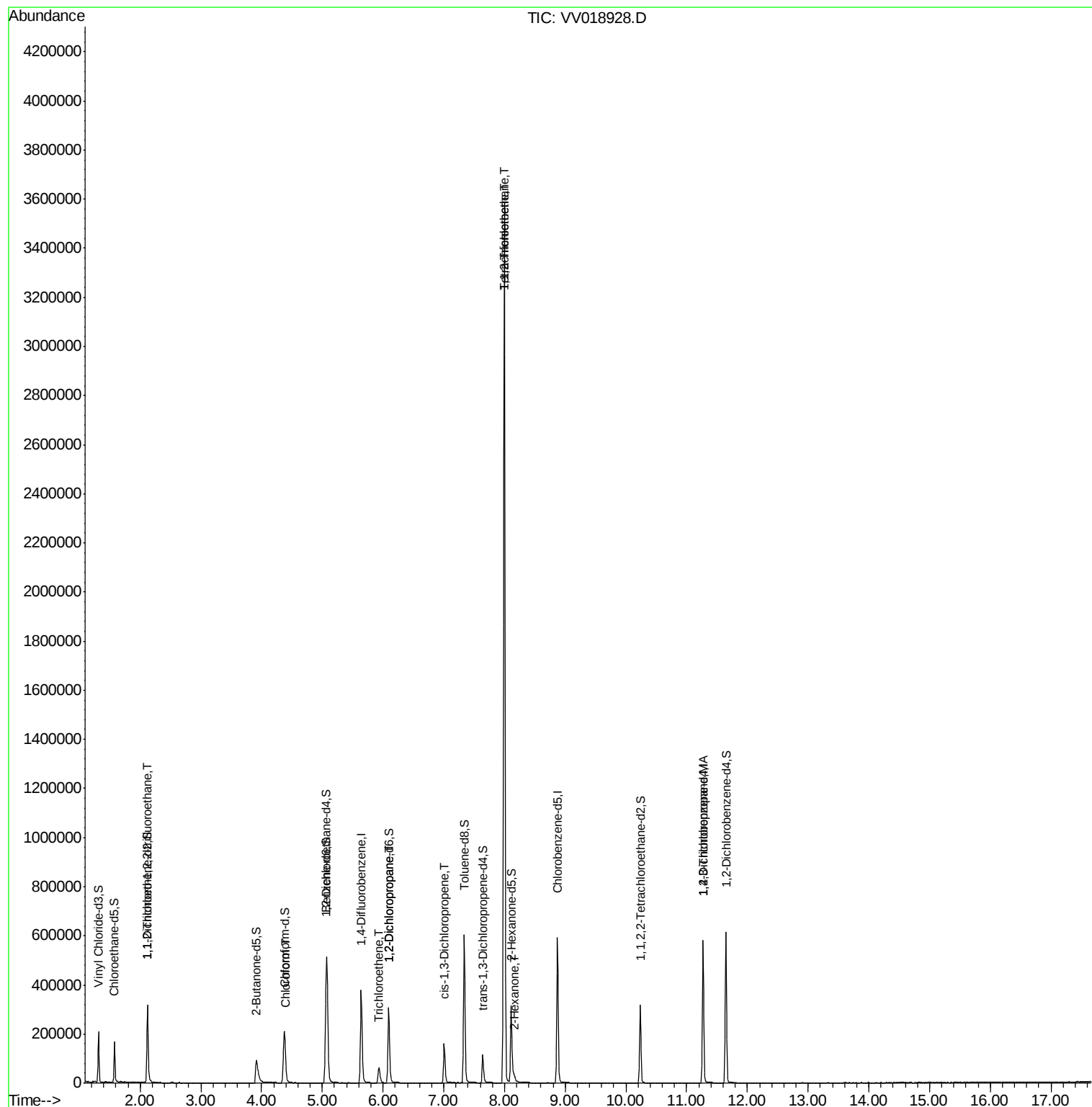
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1506	0.760	ug/L #	20
25) Chloroform	4.40	83	4116	0.944	ug/L	92
34) Trichloroethene	5.94	95	11664	4.290	ug/L	98
37) 1,2-Dichloropropane	6.09	63	16268	6.445	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	4109	1.083	ug/L #	75
45) 1,1,2-Trichloroethane	7.99	97	6979	2.972	ug/L #	1
46) Tetrachloroethene	8.00	164	774617	404.223	ug/L	98
48) 2-Hexanone	8.16	43	15703	5.690	ug/L #	77
59) 1,2,3-Trichloropropane	11.27	75	17398	5.694	ug/L #	88

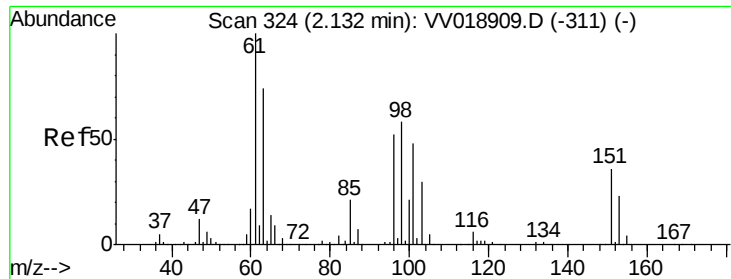
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.760 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018928.D

Acq: 15 Oct 2020 22:10

Instrument :

MSVOA_V

ClientSampled :

BG3Z3

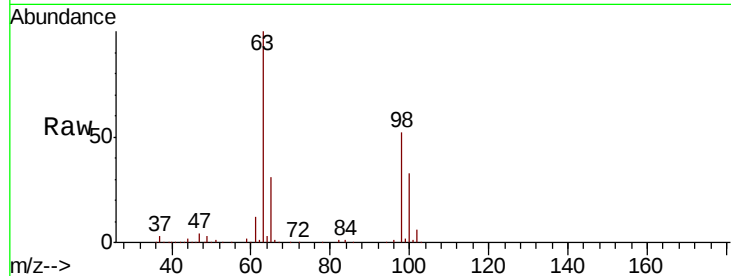
Tot Ion:101 Resp: 1506

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

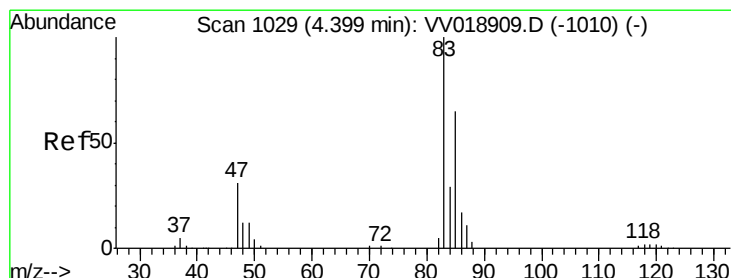
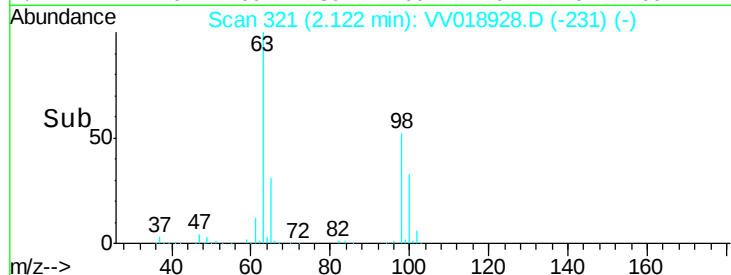
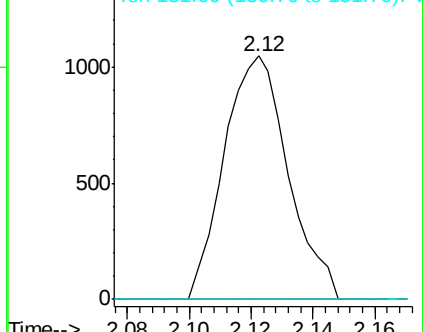
151 0.0 59.7 89.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 0.944 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV018928.D

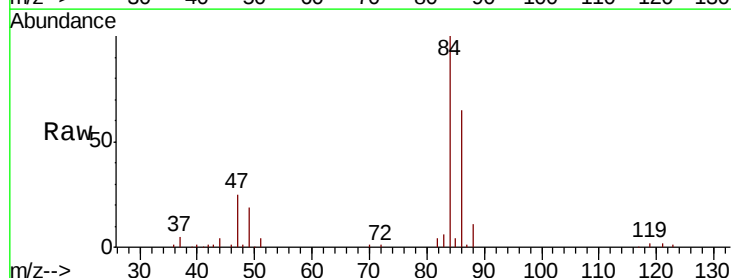
Acq: 15 Oct 2020 22:10

Tgt Ion: 83 Resp: 4116

Ion Ratio Lower Upper

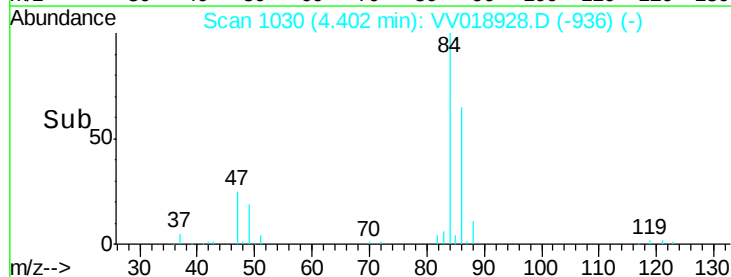
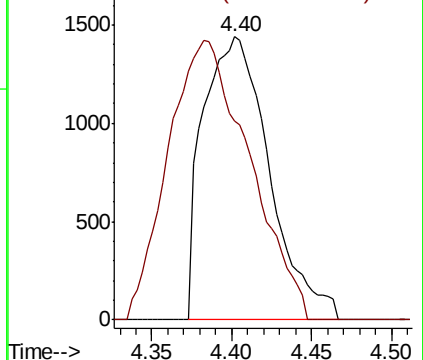
83 100

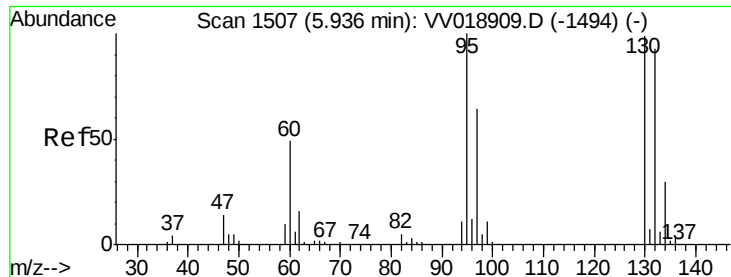
85 70.2 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 4.290 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018928.D

Acq: 15 Oct 2020 22:10

Instrument :

MSVOA_V

ClientSampleId :

BG3Z3

Tot Ion: 95 Resp: 11664

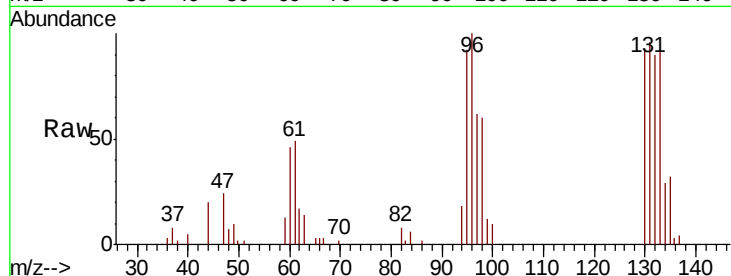
Ion Ratio Lower Upper

95 100

97 66.7 44.7 82.9

132 97.2 67.0 124.4

130 100.9 70.8 131.6



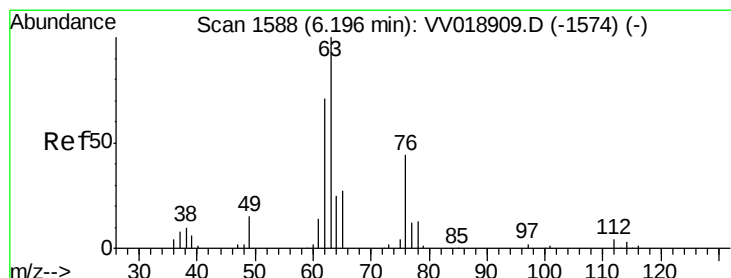
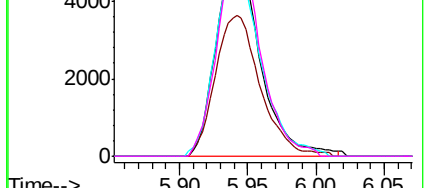
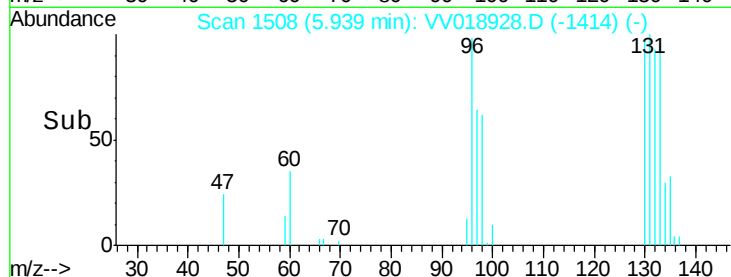
Abundance Ion 95.00 (94.70 to 95.70): VV018909.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV018909.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV018909.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV018909.D (-1494) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 6.445 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV018928.D

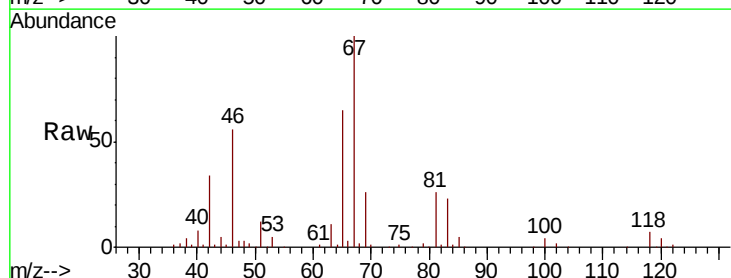
Acq: 15 Oct 2020 22:10

Tgt Ion: 63 Resp: 16268

Ion Ratio Lower Upper

63 100

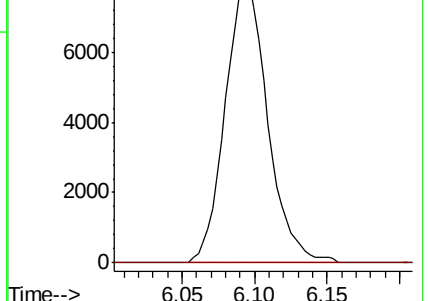
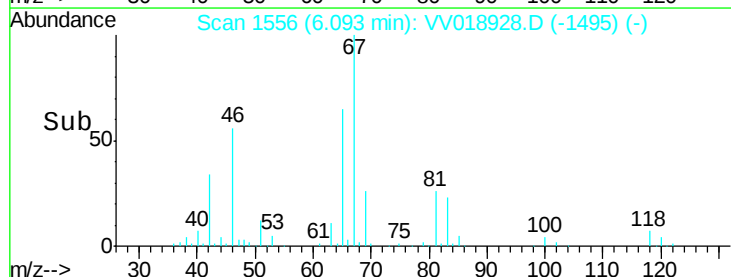
112 0.0 3.3 4.9#

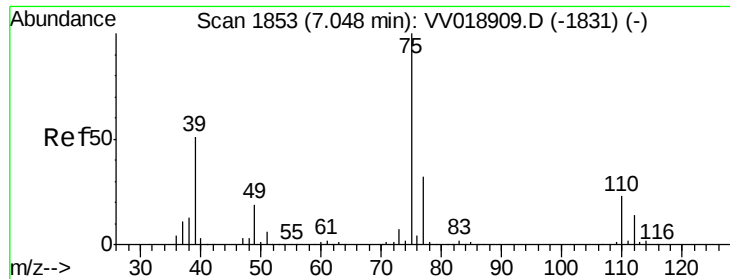


Abundance Ion 63.00 (62.70 to 63.70): VV018909.D (-1574) (-)

Ion 112.00 (111.70 to 112.70): VV018909.D (-1574) (-)

Time-->





#39

cis-1,3-Dichloropropene

Concen: 1.083 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018928.D

Acq: 15 Oct 2020 22:10

Instrument :

MSVOA_V

ClientSampleId :

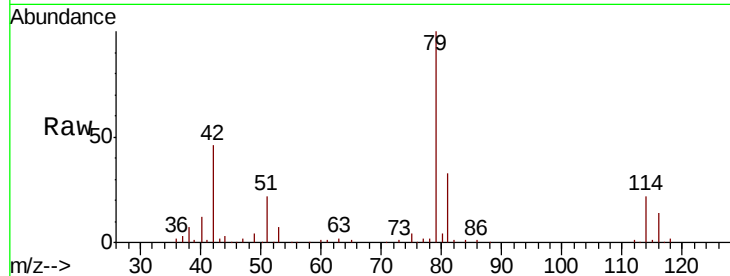
BG3Z3

Tot Ion: 75 Resp: 4109

Ion Ratio Lower Upper

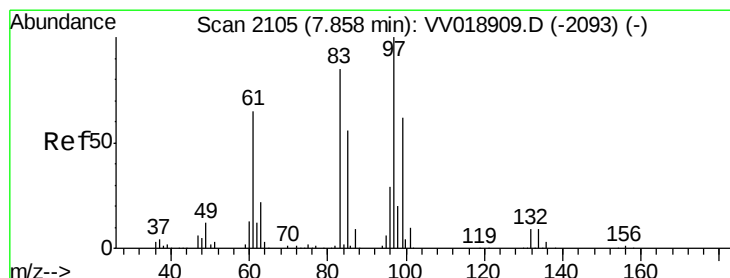
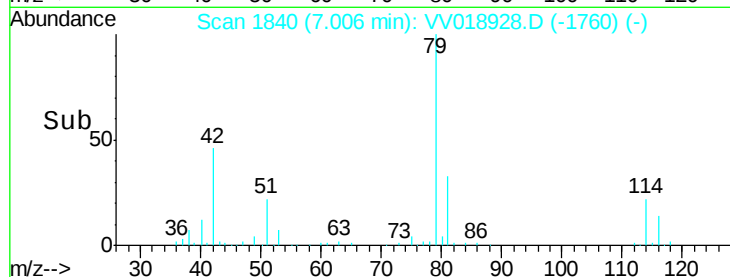
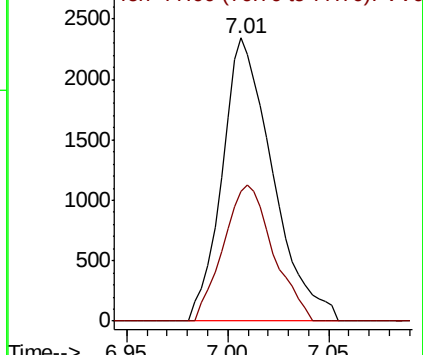
75 100

77 45.9 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 2.972 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.13 min

Lab File: VV018928.D

Acq: 15 Oct 2020 22:10

Tgt Ion: 97 Resp: 6979

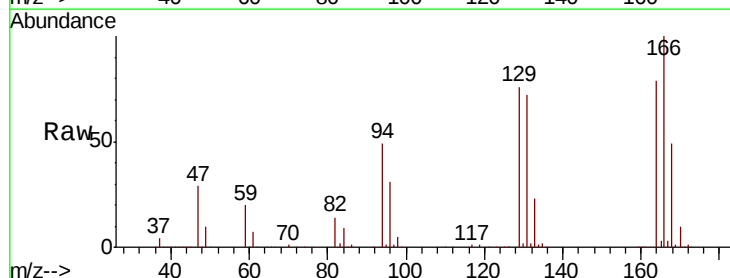
Ion Ratio Lower Upper

97 100

99 19.4 43.8 81.4#

83 256.6 61.0 113.4#

85 40.5 38.9 72.2

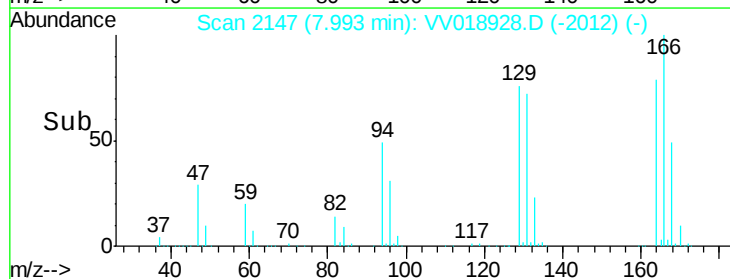
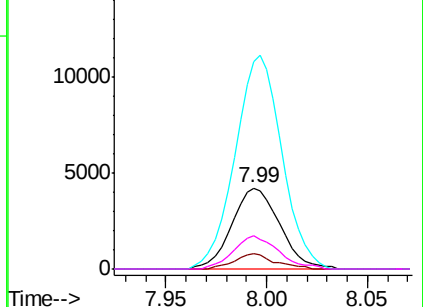


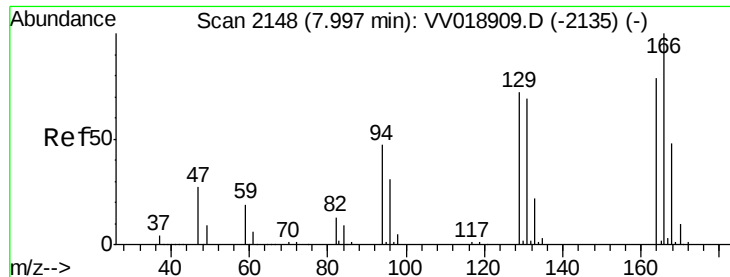
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 404.223 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018928.D

Acq: 15 Oct 2020 22:10

Instrument :

MSVOA_V

ClientSampled :

BG3Z3

Tot Ion:164 Resp: 774617

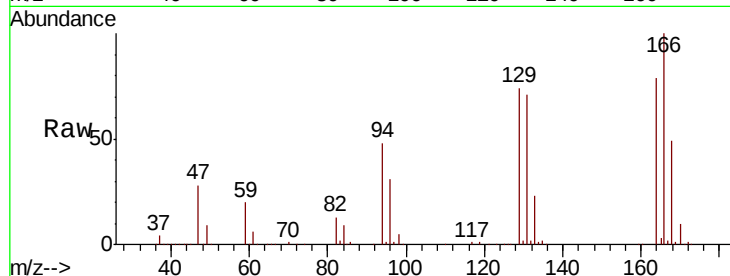
Ion Ratio Lower Upper

164 100

129 94.2 65.0 120.8

131 89.7 62.9 116.7

166 126.9 91.1 169.3

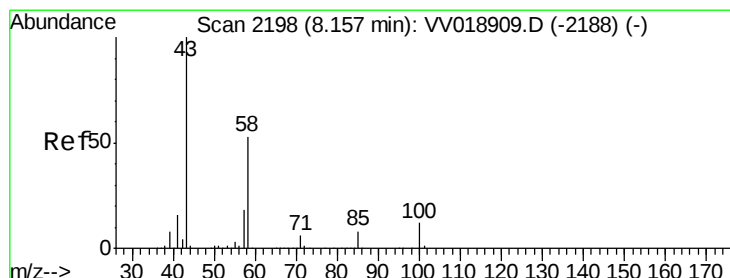
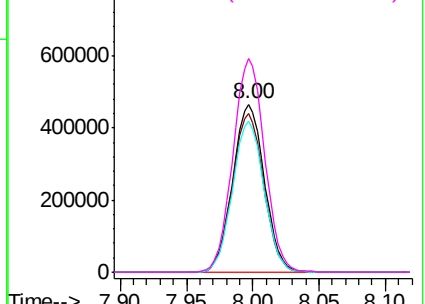
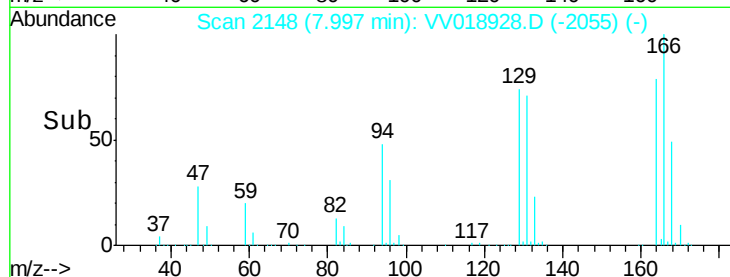


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.690 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018928.D

Acq: 15 Oct 2020 22:10

Tgt Ion: 43 Resp: 15703

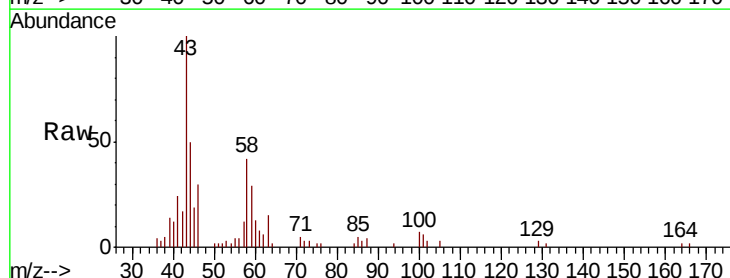
Ion Ratio Lower Upper

43 100

58 36.9 42.5 63.7#

57 5.1 14.5 21.7#

100 6.1 9.0 13.4#

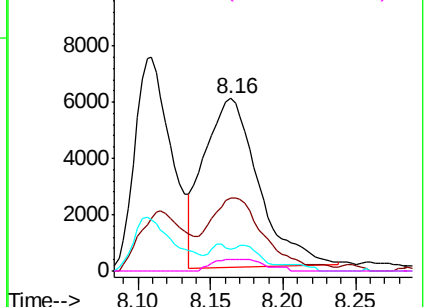
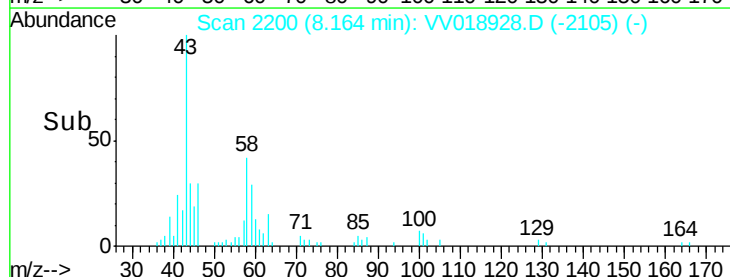


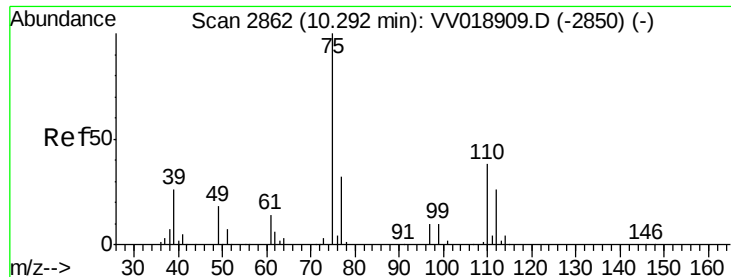
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.694 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018928.D

Acq: 15 Oct 2020 22:10

Instrument :

MSVOA_V

ClientSampleId :

BG3Z3

Tot Ion: 75 Resp: 17398

Ion Ratio Lower Upper

75 100

77 38.5 25.4 38.2#

