

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV017003.D
 Acq On : 19 Jun 2020 16:39
 Operator : SY/MD
 Sample : VIBLK60
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 20 02:06:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 20 02:04:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	338760	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	143657	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103323	43.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.44%
7) Chloroethane-d5	1.58	69	68708	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.12	63	150767	37.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.12%
21) 2-Butanone-d5	3.91	46	154064	87.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.08%
24) Chloroform-d	4.37	84	222543	45.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.58%
26) 1,2-Dichloroethane-d4	5.05	65	158782	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.06%
32) Benzene-d6	5.07	84	435378	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
36) 1,2-Dichloropropane-d6	6.09	67	131233	47.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.56%
41) Toluene-d8	7.34	98	391467	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%
43) trans-1,3-Dichloropropene-	7.64	79	66446	45.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.92%
47) 2-Hexanone-d5	8.11	63	90427	74.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.72%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	155183	42.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	155086	50.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.18%

Target Compounds

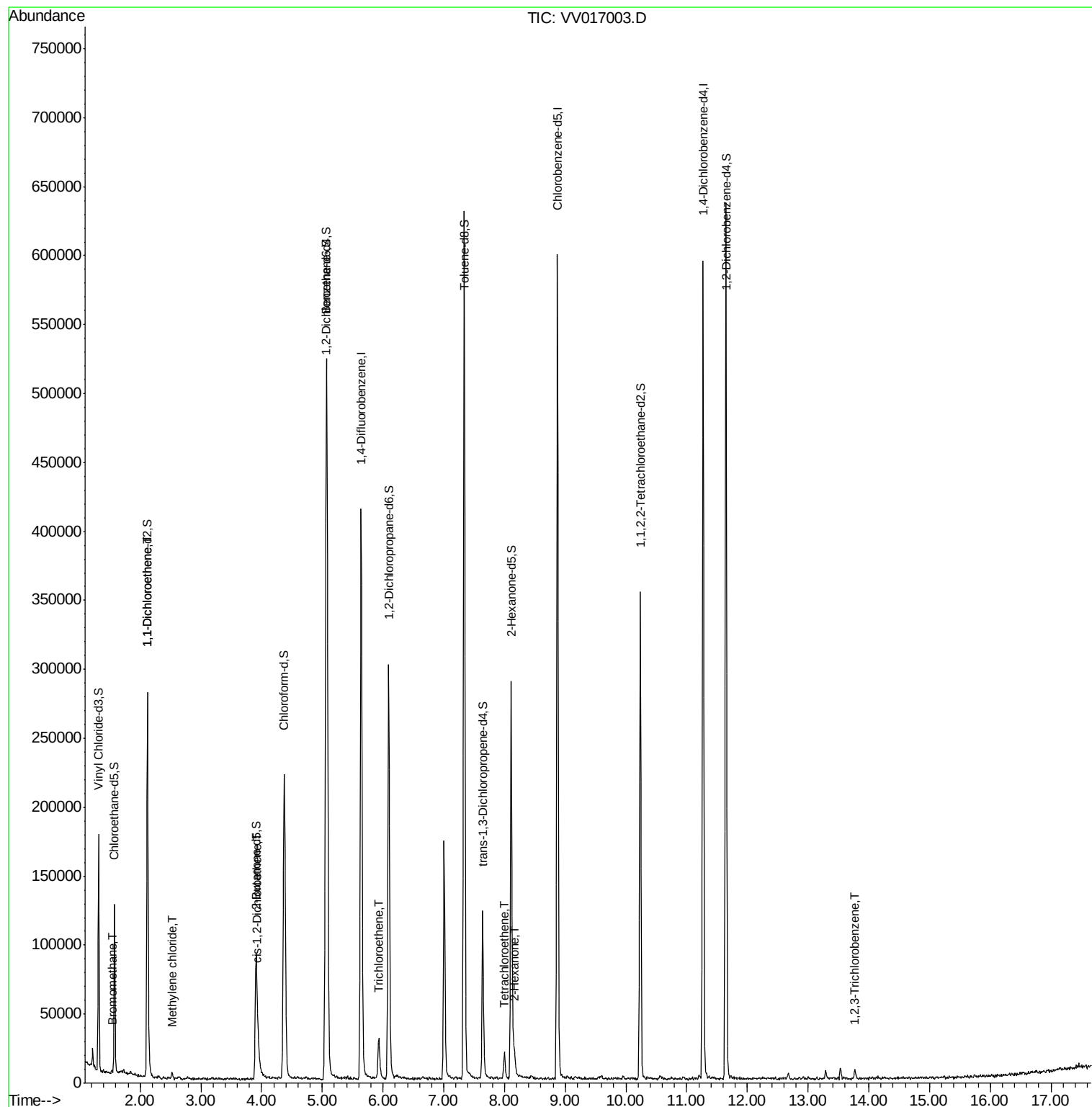
					Ovalue
6) Bromomethane	1.53	94	1064	1.058 ug/L	90
12) 1,1-Dichloroethene	2.12	96	1310	0.779 ug/L #	1
16) Methylene chloride	2.53	84	1763	0.715 ug/L #	78
20) cis-1,2-Dichloroethene	3.94	96	3410	1.364 ug/L	90
34) Trichloroethene	5.94	95	2084	0.850 ug/L	93
46) Tetrachloroethene	8.00	164	4335	2.249 ug/L	89
48) 2-Hexanone	8.16	43	9693	3.712 ug/L #	82
70) 1,2,3-Trichlorobenzene	13.77	180	1960	0.644 ug/L	85

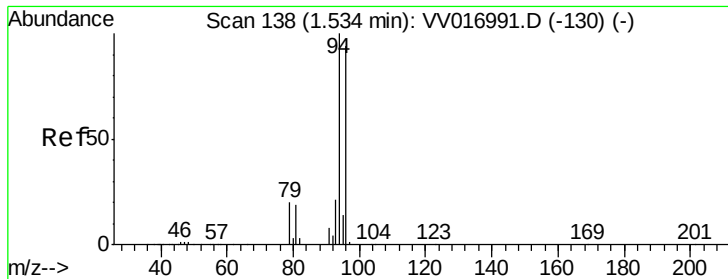
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 20 02:04:09 2020
Response via : Initial Calibration





#6

Bromomethane

Concen: 1.058 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017003.D

Acq: 19 Jun 2020 16:39

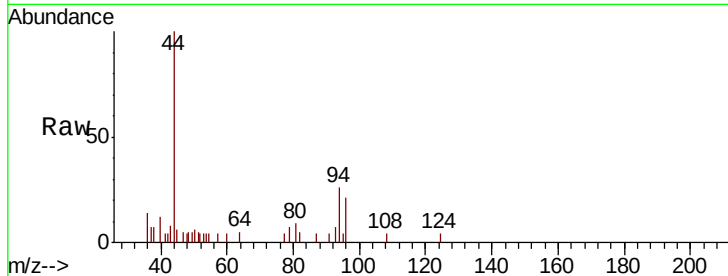
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 94 Resp: 1064

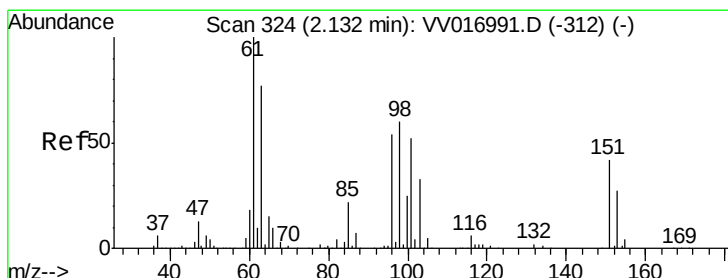
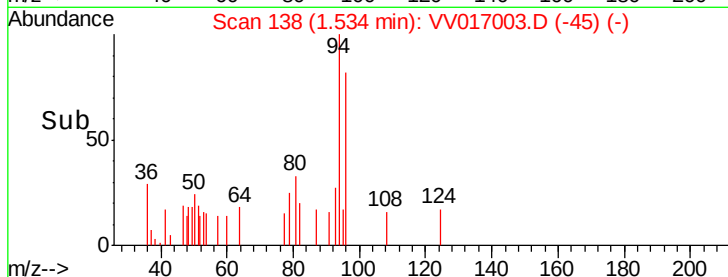
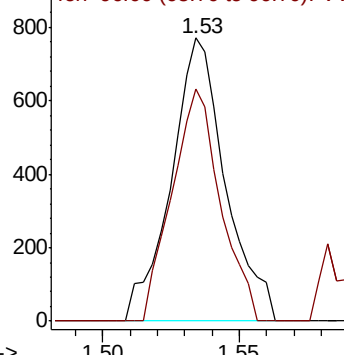
Ion Ratio Lower Upper

94 100

96 82.2 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0



#12

1,1-Dichloroethene

Concen: 0.779 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV017003.D

Acq: 19 Jun 2020 16:39

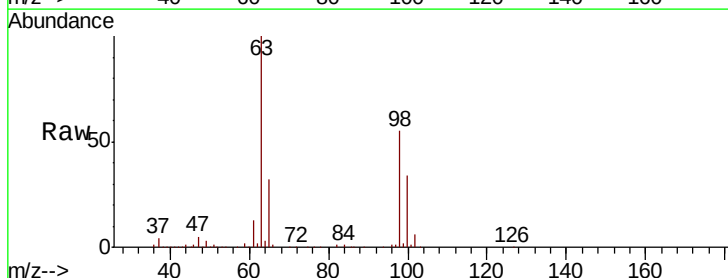
Tgt Ion: 96 Resp: 1310

Ion Ratio Lower Upper

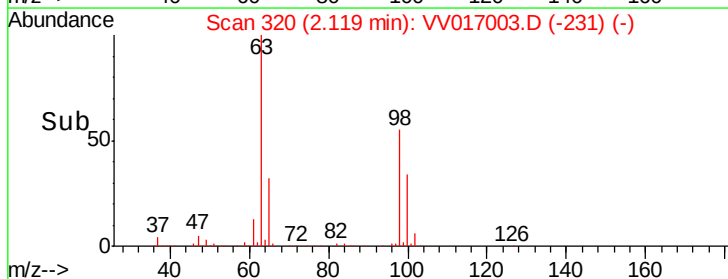
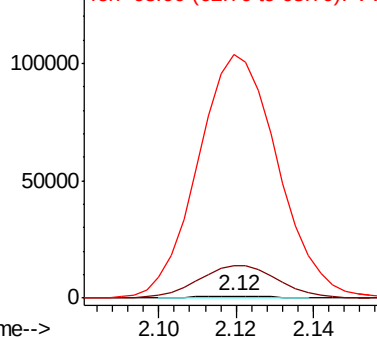
96 100

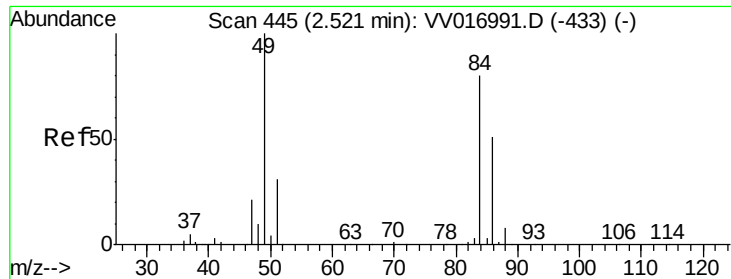
61 1535.7 130.4 242.2#

63 11467.8 103.3 191.9#



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 63.00 (62.70 to 63.70): VV0

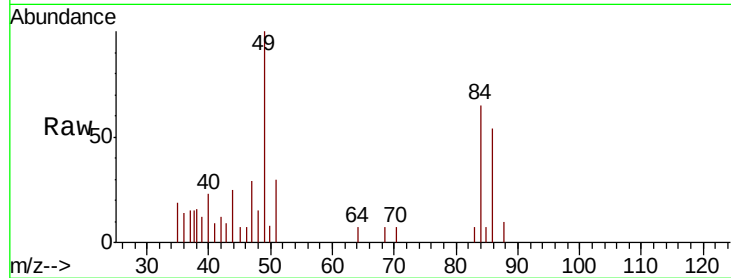




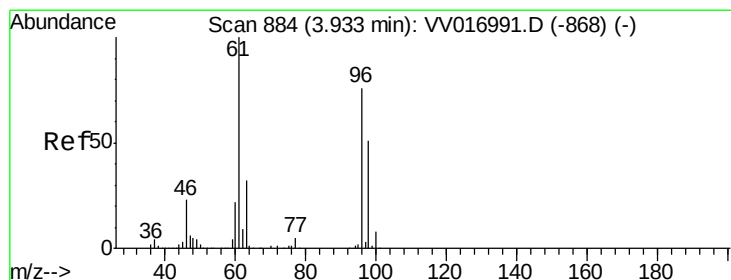
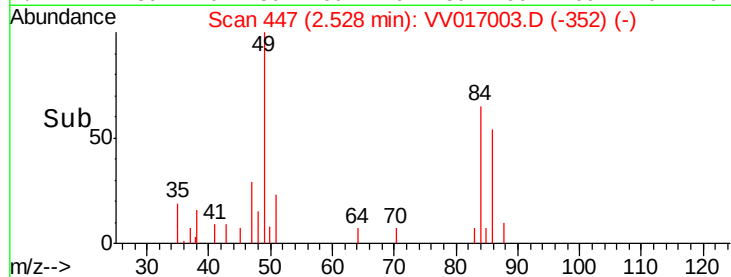
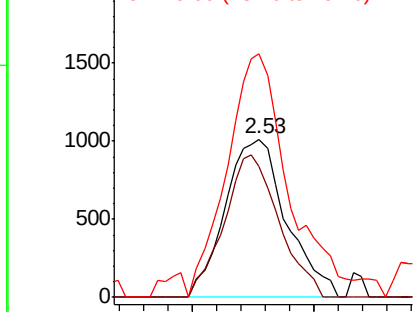
#16
Methylene chloride
Concen: 0.715 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV017003.D
Acq: 19 Jun 2020 16:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 84 Resp: 1763
Ion Ratio Lower Upper
84 100
86 82.3 44.0 81.8#
49 153.8 90.9 168.9

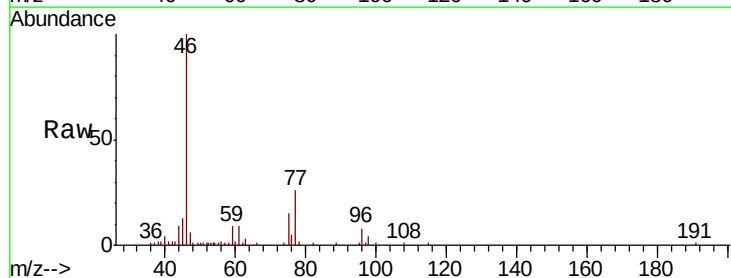


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

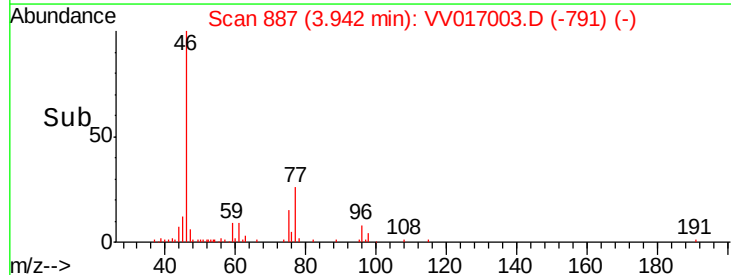
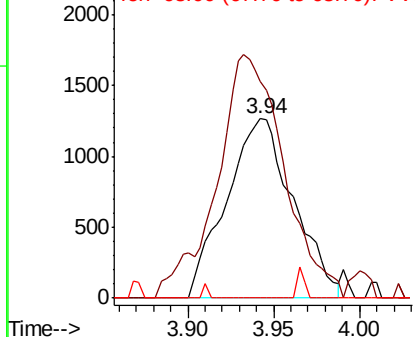


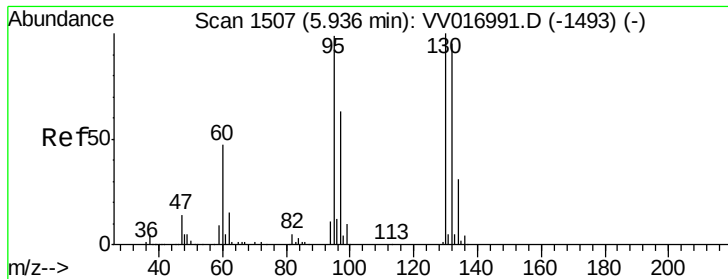
#20
cis-1,2-Dichloroethene
Concen: 1.364 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV017003.D
Acq: 19 Jun 2020 16:39

Tgt Ion: 96 Resp: 3410
Ion Ratio Lower Upper
96 100
61 121.0 93.4 173.4
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#34

Trichloroethene

Concen: 0.850 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017003.D

Acq: 19 Jun 2020 16:39

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 2084

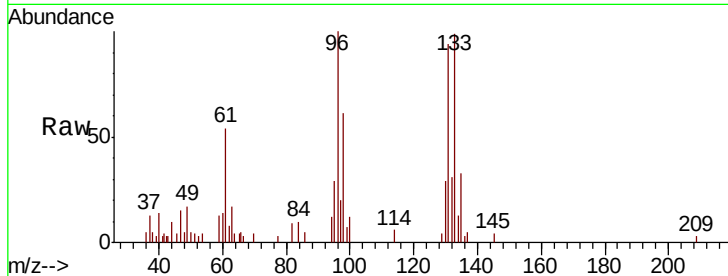
Ion Ratio Lower Upper

95 100

97 69.0 44.3 82.3

132 106.7 67.9 126.1

130 99.4 72.2 134.2

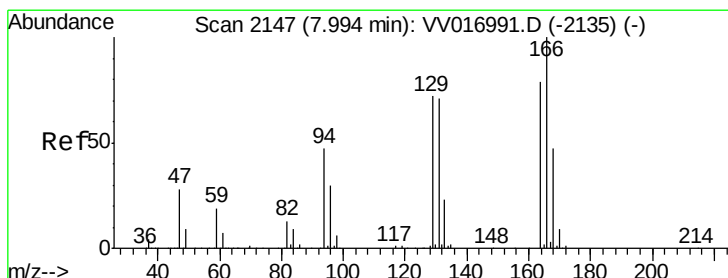
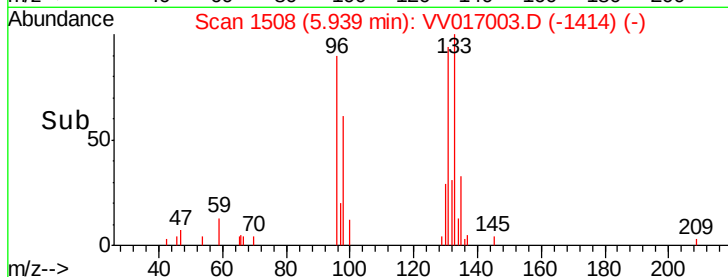
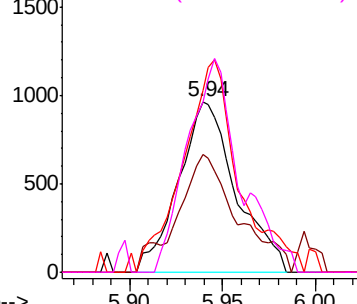


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 2.249 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV017003.D

Acq: 19 Jun 2020 16:39

Tgt Ion: 164 Resp: 4335

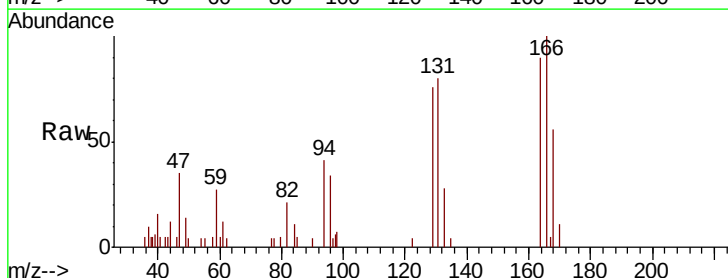
Ion Ratio Lower Upper

164 100

129 84.5 67.0 124.4

131 88.9 64.8 120.3

166 110.5 90.4 167.8

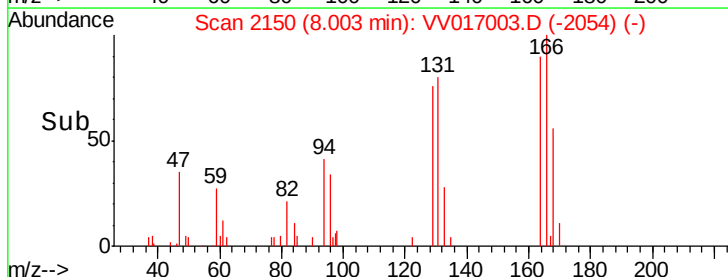
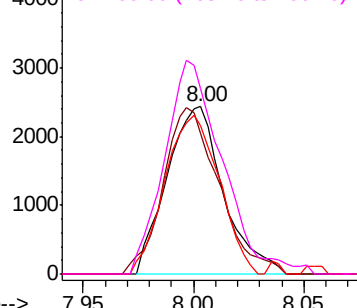


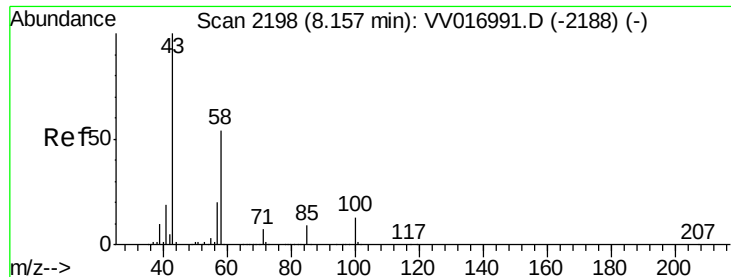
Abundance Ion 164.00 (163.70 to 164.70): V

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

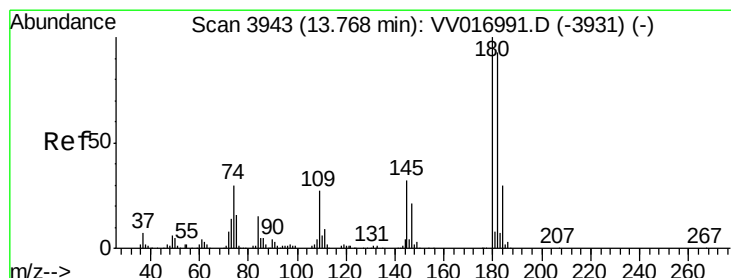
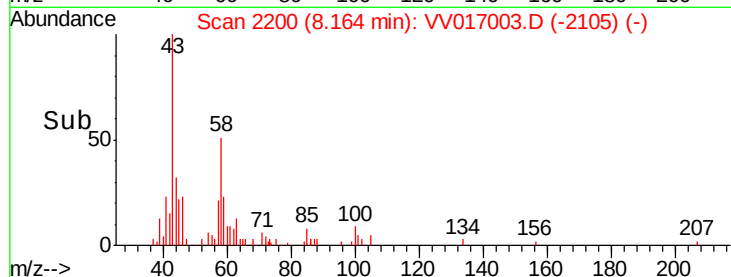
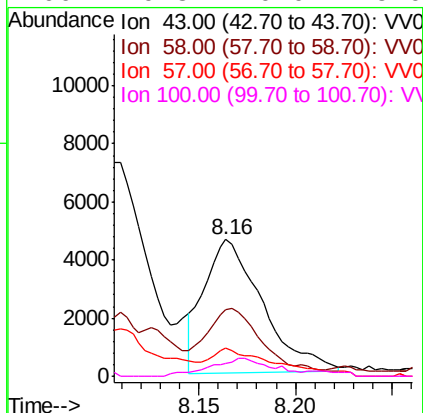
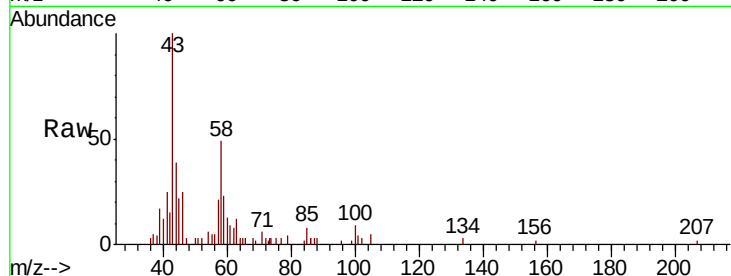




#48
2-Hexanone
Concen: 3.712 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV017003.D
Acq: 19 Jun 2020 16:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 9693
Ion Ratio Lower Upper
43 100
58 36.1 43.1 64.7#
57 15.6 15.3 22.9
100 9.8 10.0 15.0#



#70
1,2,3-Trichlorobenzene
Concen: 0.644 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VV017003.D
Acq: 19 Jun 2020 16:39

Tgt Ion: 180 Resp: 1960
Ion Ratio Lower Upper
180 100
182 78.7 76.5 114.7
145 28.2 26.1 39.1

