

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091620\
 Data File : VV018260.D
 Acq On : 17 Sep 2020 01:12
 Operator : SY/MD
 Sample : L4042-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 17 05:36:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 17 05:33:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	297763	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	296726	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	141962	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93028	38.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.68%
7) Chloroethane-d5	1.58	69	77414	38.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.98%
11) 1,1-Dichloroethene-d2	2.12	63	145352	32.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.30%
21) 2-Butanone-d5	3.92	46	119734	80.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.61%
24) Chloroform-d	4.38	84	167927	39.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.78%
26) 1,2-Dichloroethane-d4	5.06	65	110270	40.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.72%
32) Benzene-d6	5.08	84	337429	39.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.44%
36) 1,2-Dichloropropane-d6	6.09	67	109924	40.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.46%
41) Toluene-d8	7.34	98	299358	38.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.34%#
43) trans-1,3-Dichloropropene-	7.64	79	51055	37.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.44%
47) 2-Hexanone-d5	8.11	63	85795	83.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.92%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	140999	41.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.24%
64) 1,2-Dichlorobenzene-d4	11.65	152	126972	43.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.10%

Target Compounds

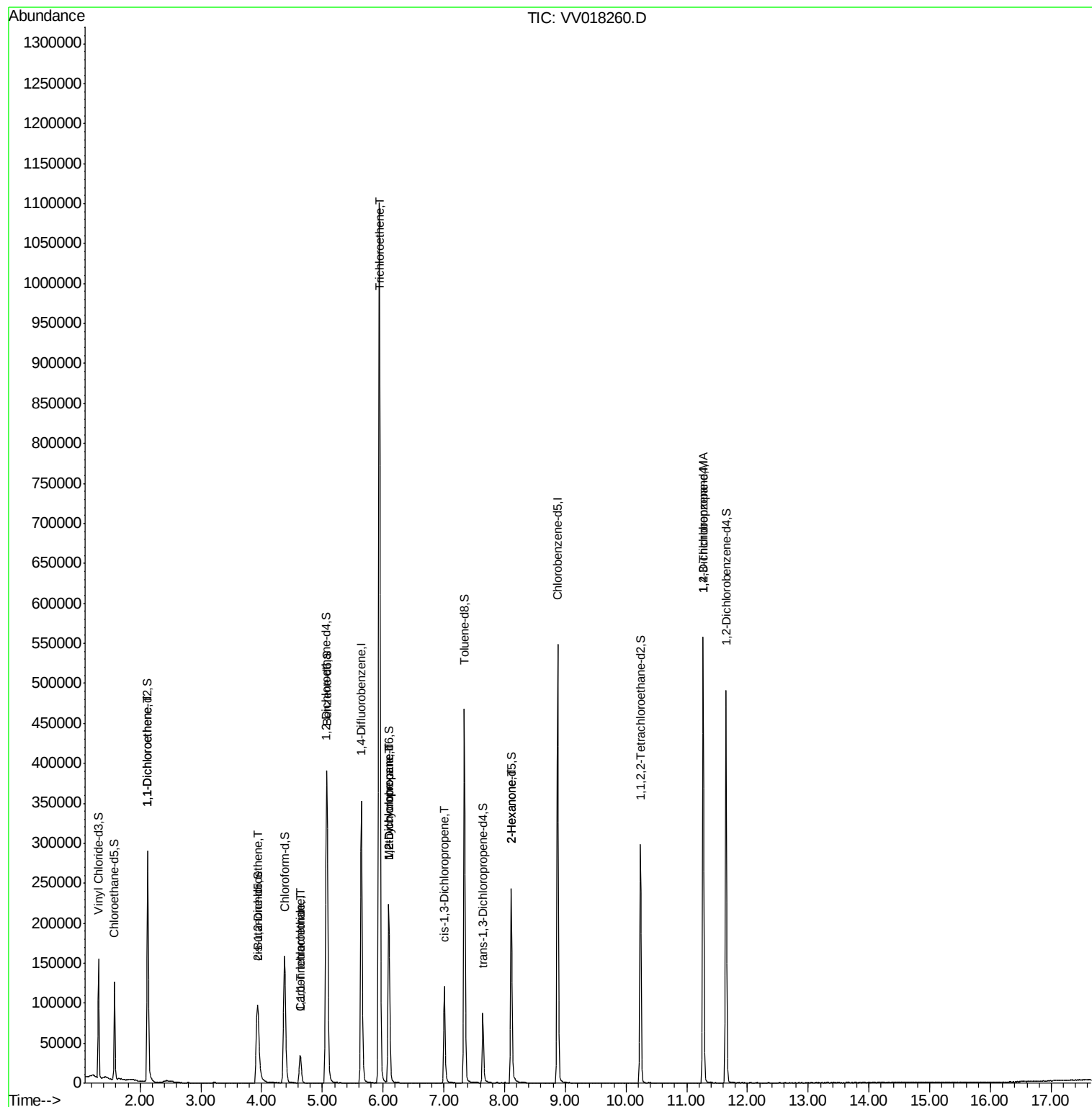
					Ovalue
12) 1,1-Dichloroethene	2.13	96	23871	12.210 ug/L #	1
20) cis-1,2-Dichloroethene	3.94	96	24526	11.387 ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	28519	8.282 ug/L	99
31) Carbon tetrachloride	4.64	117	3614	1.194 ug/L	99
34) Trichloroethene	5.94	95	386487	167.233 ug/L	99
35) Methylcyclohexane	6.09	83	25967	7.462 ug/L #	18
37) 1,2-Dichloropropane	6.09	63	12215	5.433 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2802	0.809 ug/L #	54
48) 2-Hexanone	8.11	43	9543	4.438 ug/L #	68
59) 1,2,3-Trichloropropane	11.27	75	16304	6.166 ug/L	94

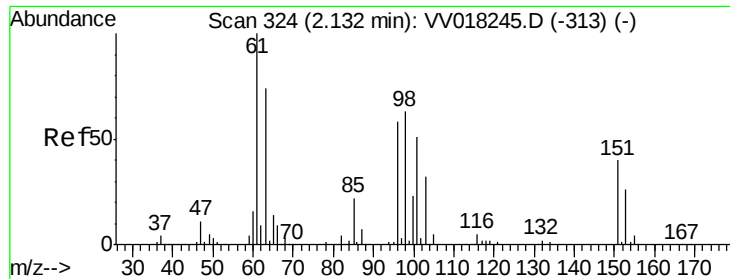
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Sep 17 05:33:55 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 12.210 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018260.D

Acq: 17 Sep 2020 01:12

Instrument :
MSVOA_V
ClientSampleId :

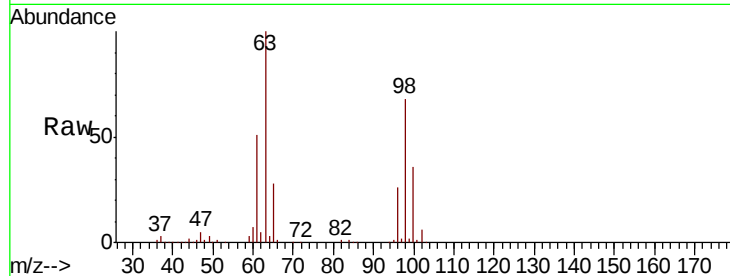
Tot Ion: 96 Resp: 23871

Ion Ratio Lower Upper

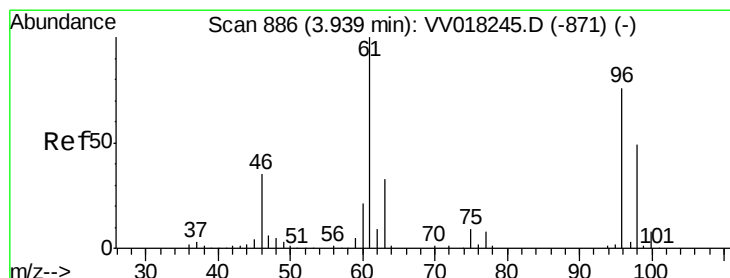
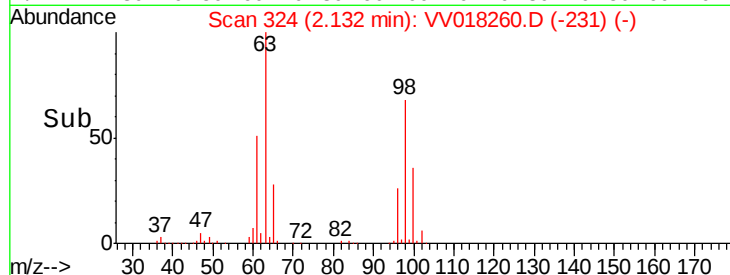
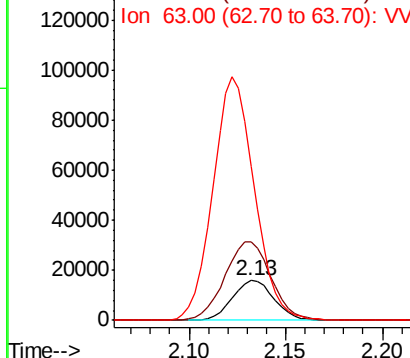
96 100

61 199.4 122.9 228.3

63 390.7 91.9 170.7#



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



#20

cis-1,2-Dichloroethene

Concen: 11.387 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV018260.D

Acq: 17 Sep 2020 01:12

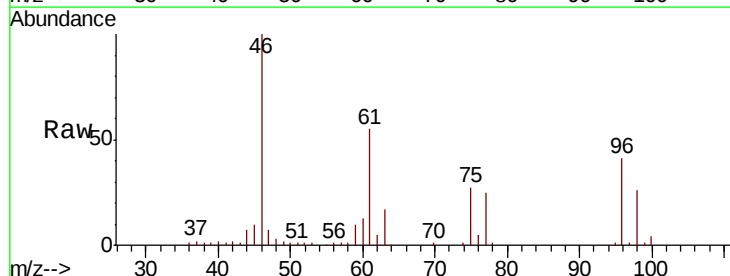
Tgt Ion: 96 Resp: 24526

Ion Ratio Lower Upper

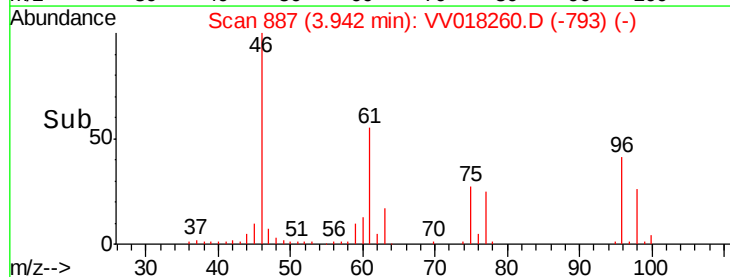
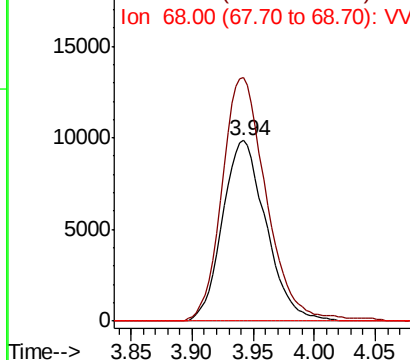
96 100

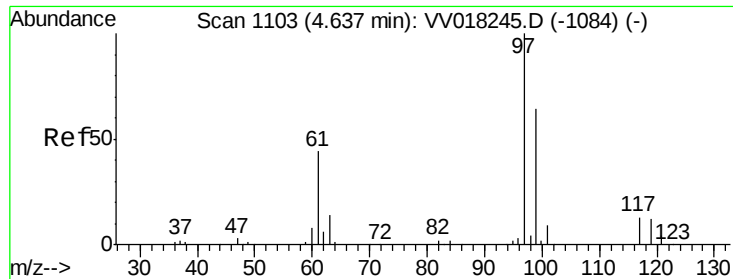
61 135.0 93.6 173.8

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

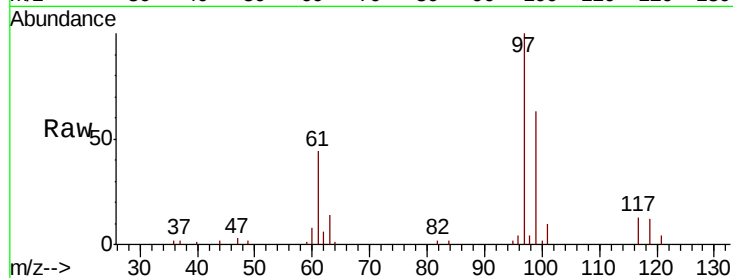




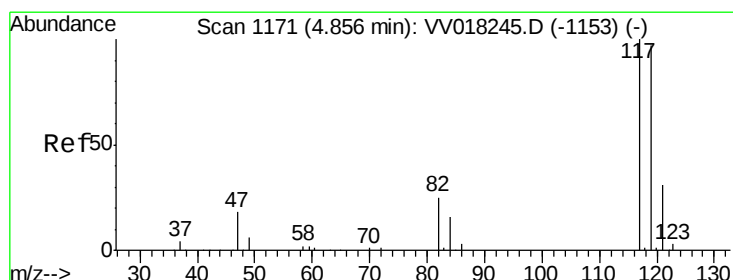
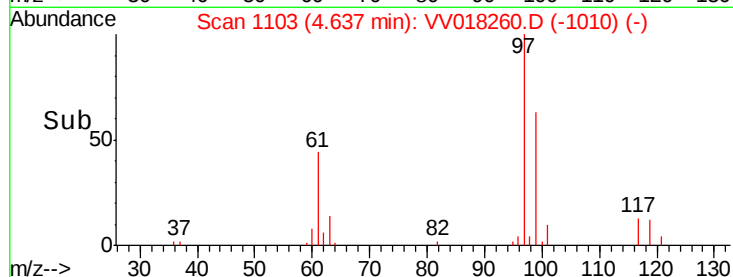
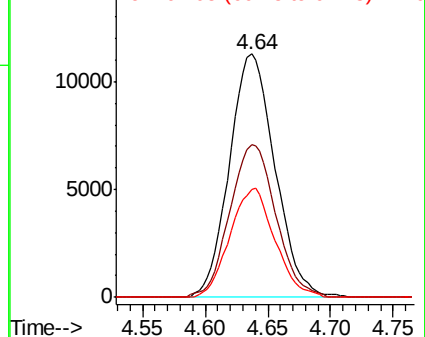
#30
 1,1,1-Trichloroethane
 Concen: 8.282 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VV018260.D
 Acq: 17 Sep 2020 01:12

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 28519
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.6 77.4
 61 44.2 34.9 52.3

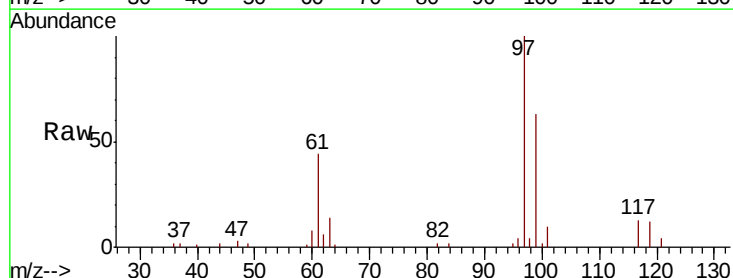


Abundance Ion 97.00 (96.70 to 97.70): VV018245.D (-1084) (-)
 Ion 99.00 (98.70 to 99.70): VV018245.D (-1084) (-)
 Ion 61.05 (60.75 to 61.75): VV018245.D (-1084) (-)

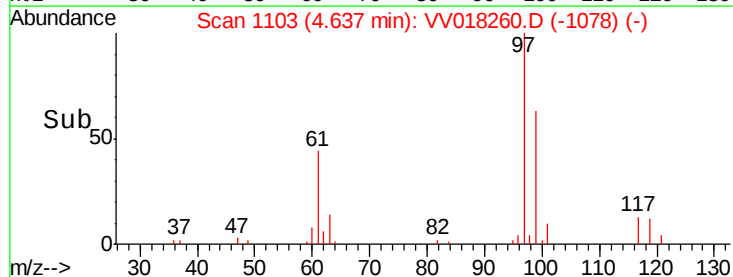
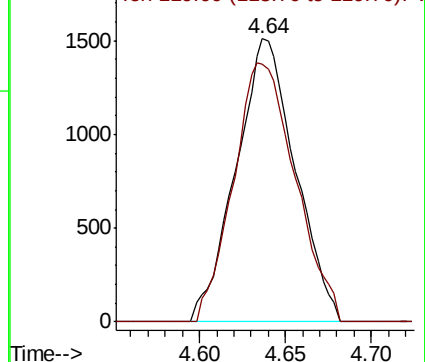


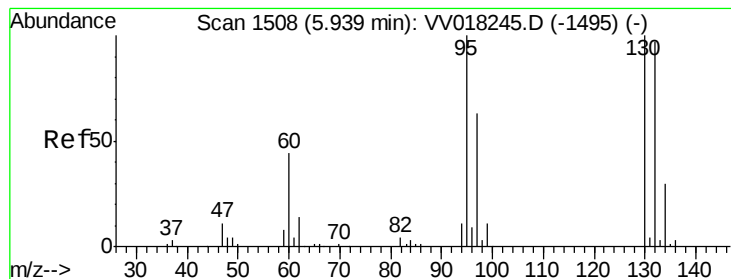
#31
 Carbon tetrachloride
 Concen: 1.194 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. -0.22 min
 Lab File: VV018260.D
 Acq: 17 Sep 2020 01:12

Tgt Ion: 117 Resp: 3614
 Ion Ratio Lower Upper
 117 100
 119 95.6 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): VV018245.D (-1153) (-)
 Ion 119.00 (118.70 to 119.70): VV018245.D (-1153) (-)





#34

Trichloroethene

Concen: 167.233 ug/L

RT: 5.94 min Scan# 1507

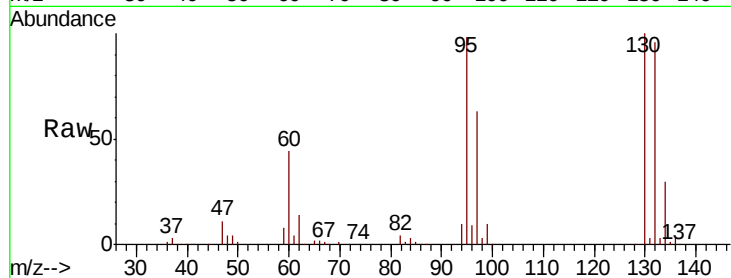
Delta R.T. -0.00 min

Lab File: VV018260.D

Acq: 17 Sep 2020 01:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	95	Resp:	386487
Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.3	85.9
132	97.1	68.1	126.5
130	101.6	71.5	132.9



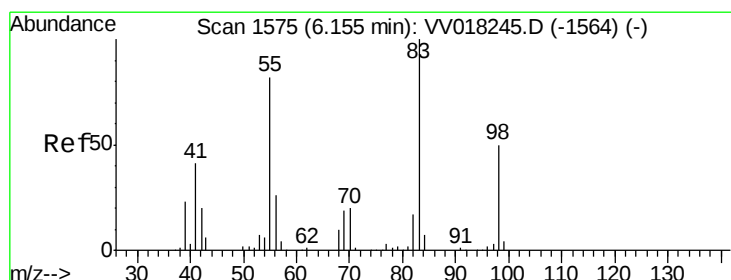
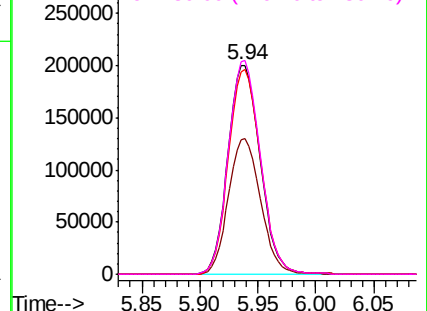
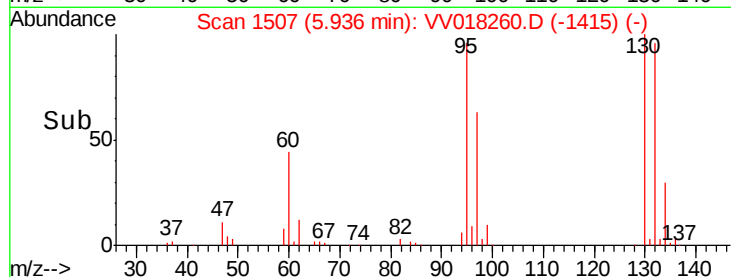
Abundance

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): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 7.462 ug/L

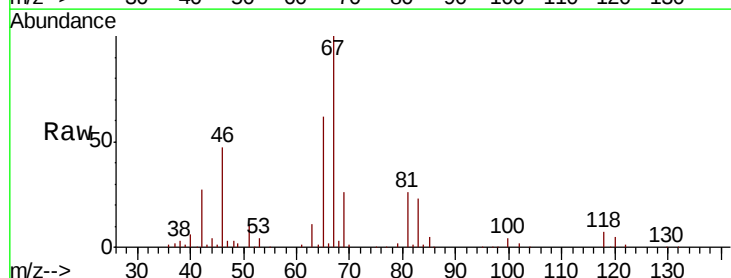
RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018260.D

Acq: 17 Sep 2020 01:12

Tgt Ion:	83	Resp:	25967
Ion	Ratio	Lower	Upper
83	100		
55	0.4	63.4	95.2#
98	1.0	38.8	58.2#

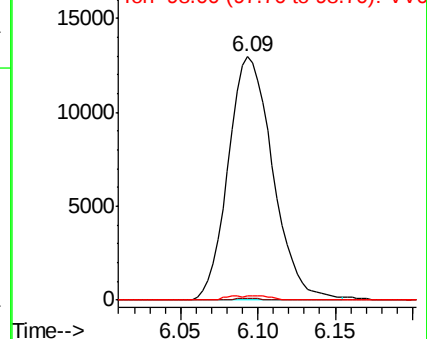
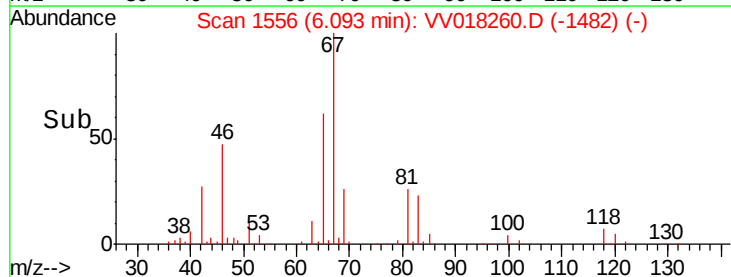


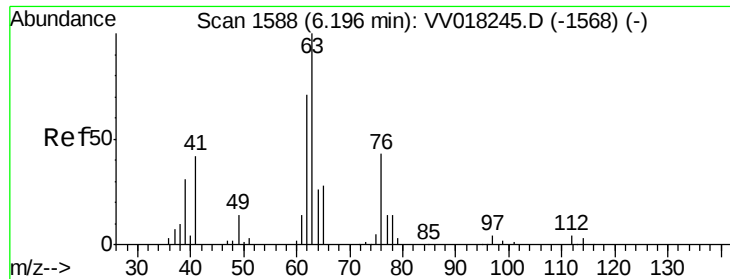
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

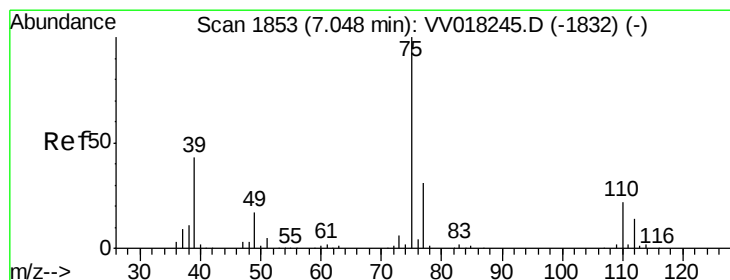
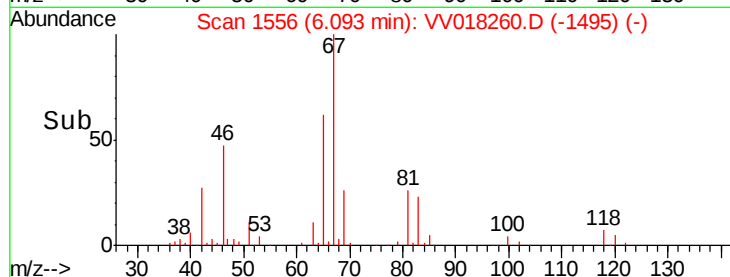
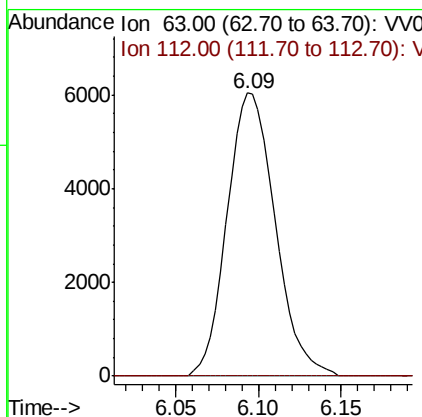
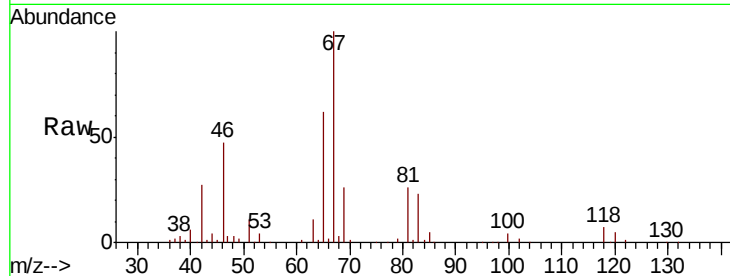




#37
 1,2-Dichloropropane
 Concen: 5.433 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018260.D
 Acq: 17 Sep 2020 01:12

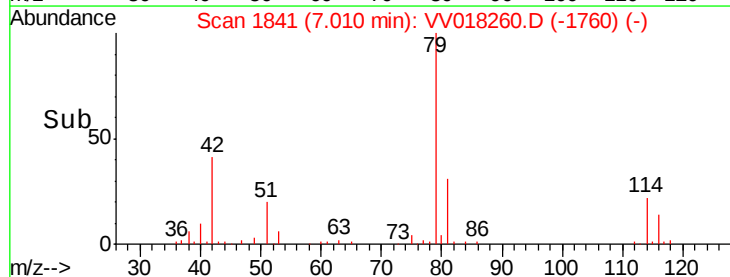
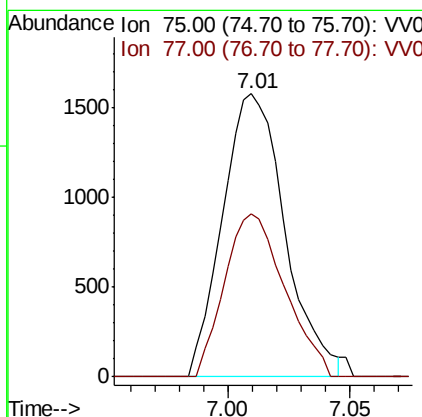
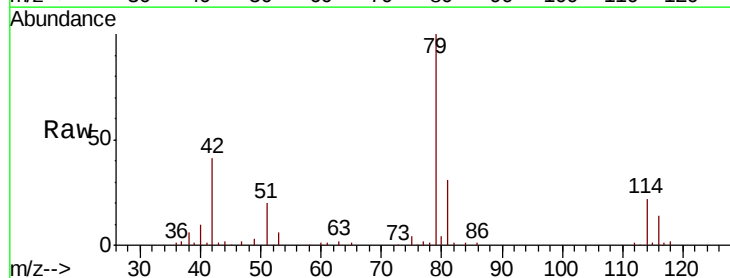
Instrument :
 MSVOA_V
 ClientSampleId :

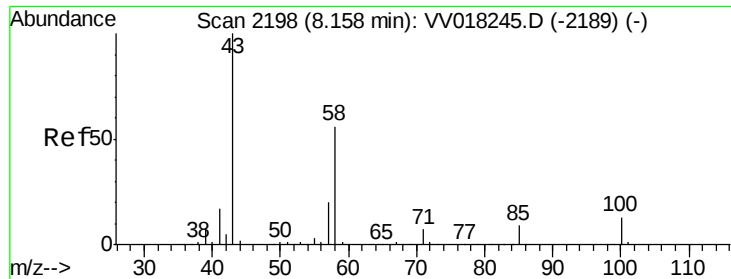
Tot Ion: 63 Resp: 12215
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.809 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018260.D
 Acq: 17 Sep 2020 01:12

Tgt Ion: 75 Resp: 2802
 Ion Ratio Lower Upper
 75 100
 77 57.5 22.3 41.3#

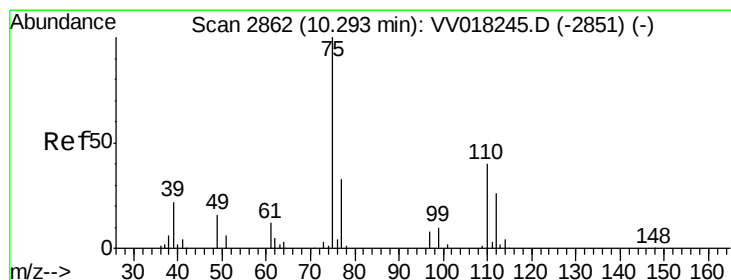
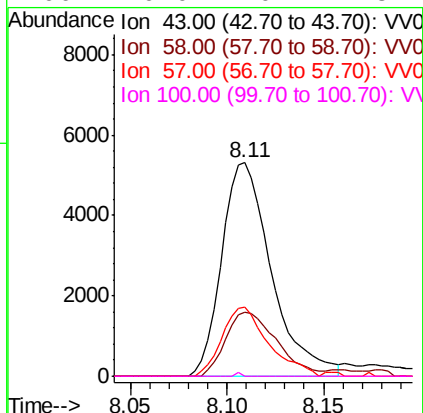
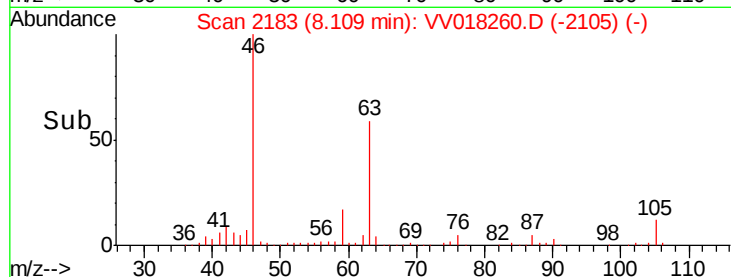
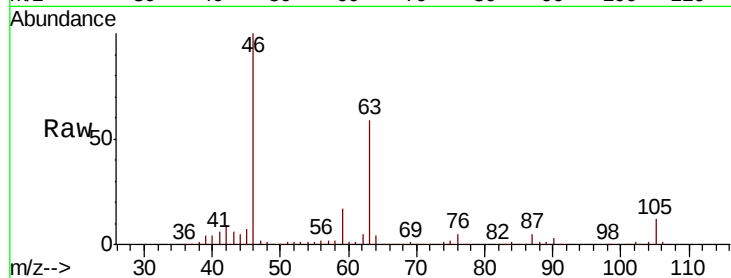




#48
2-Hexanone
Concen: 4.438 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV018260.D
Acq: 17 Sep 2020 01:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 9543
Ion Ratio Lower Upper
43 100
58 30.7 44.8 67.2#
57 30.1 15.8 23.6#
100 0.0 10.2 15.4#



#59
1,2,3-Trichloropropane
Concen: 6.166 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV018260.D
Acq: 17 Sep 2020 01:12

Tgt Ion: 75 Resp: 16304
Ion Ratio Lower Upper
75 100
77 35.7 25.8 38.6

