

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019018.D
 Acq On : 20 Oct 2020 16:46
 Operator : SY/MD
 Sample : L4430-02DL 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 21 06:11:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 06:02:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	313869	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	286333	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	141426	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74043	28.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.32%#
7) Chloroethane-d5	1.58	69	77153	37.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.38%
11) 1,1-Dichloroethene-d2	2.12	63	133387	27.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.70%#
21) 2-Butanone-d5	3.92	46	184773	102.60	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.60%
24) Chloroform-d	4.37	84	190781	41.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.20%
26) 1,2-Dichloroethane-d4	5.05	65	137497	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.24%
32) Benzene-d6	5.07	84	365939	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.56%
36) 1,2-Dichloropropane-d6	6.09	67	126572	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.72%
41) Toluene-d8	7.34	98	279971	37.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.68%#
43) trans-1,3-Dichloropropene-	7.64	79	51155	39.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.32%
47) 2-Hexanone-d5	8.11	63	86876	87.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.50%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	133640	42.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	131111	45.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.14%

Target Compounds

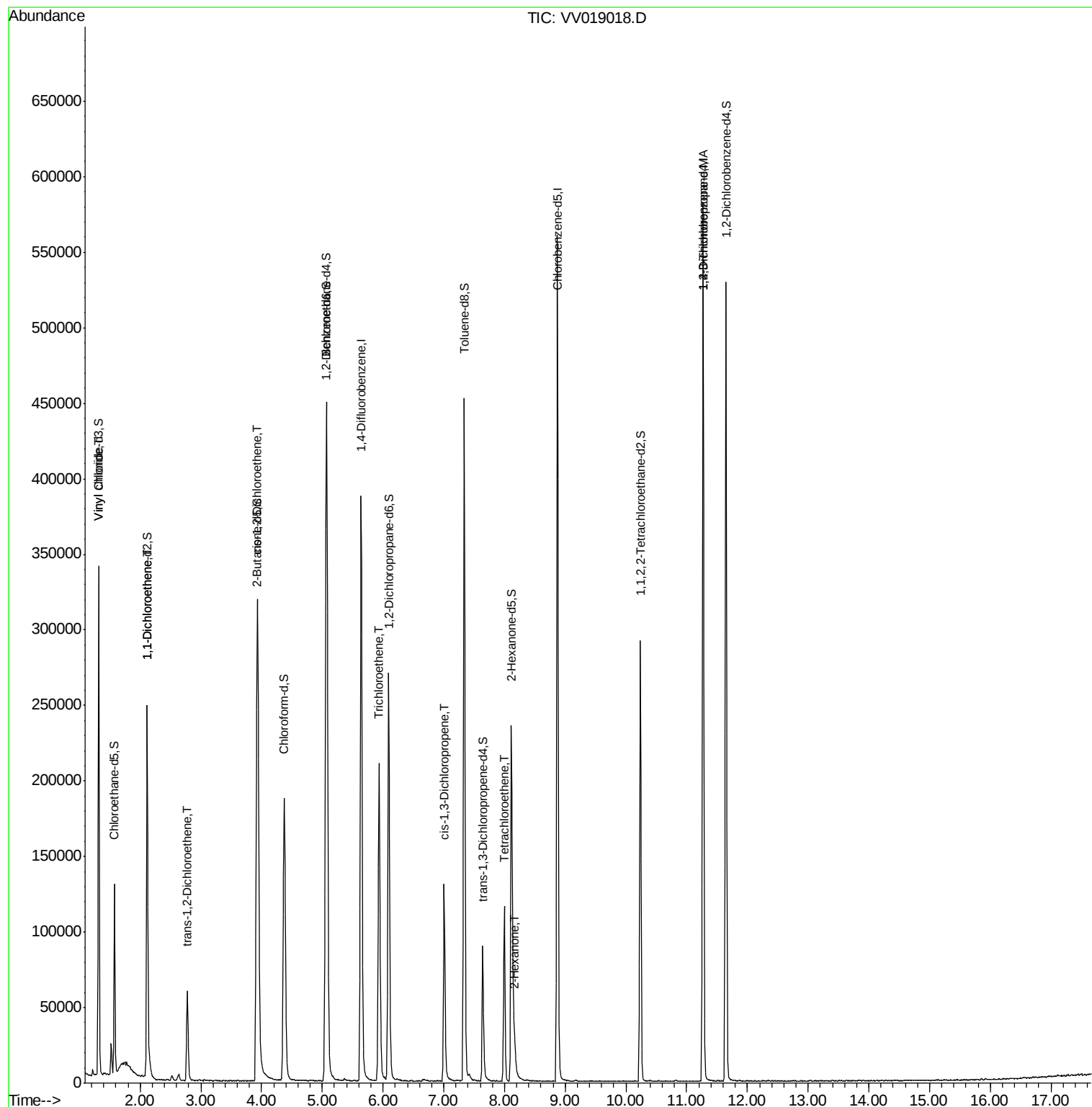
					Ovalue
5) Vinyl chloride	1.32	62	140200	47.325 ug/L	99
12) 1,1-Dichloroethene	2.12	96	3231	1.566 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	21644	9.449 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	136193	56.100 ug/L	97
34) Trichloroethene	5.94	95	65141	25.736 ug/L	96
39) cis-1,3-Dichloropropene	7.00	75	3607	1.022 ug/L	93
46) Tetrachloroethene	8.00	164	25217	14.136 ug/L	99
48) 2-Hexanone	8.17	43	12303	4.789 ug/L #	74
59) 1,2,3-Trichloropropane	11.27	75	17013	5.982 ug/L	90

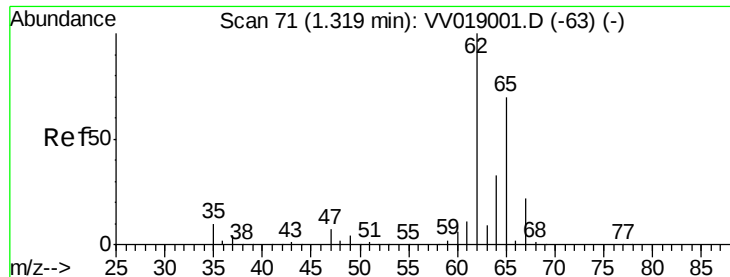
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Oct 21 06:02:04 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 47.325 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019018.D

Acq: 20 Oct 2020 16:46

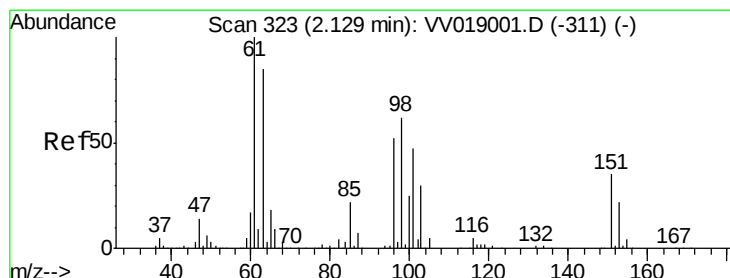
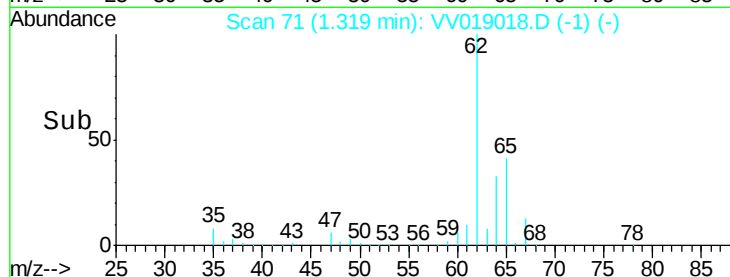
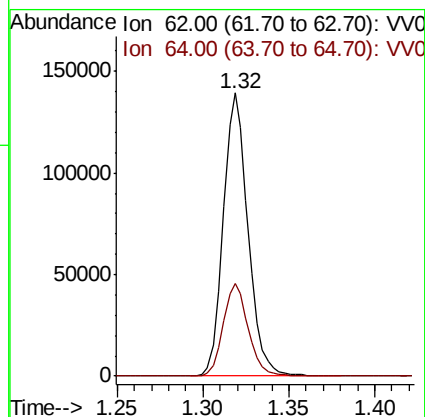
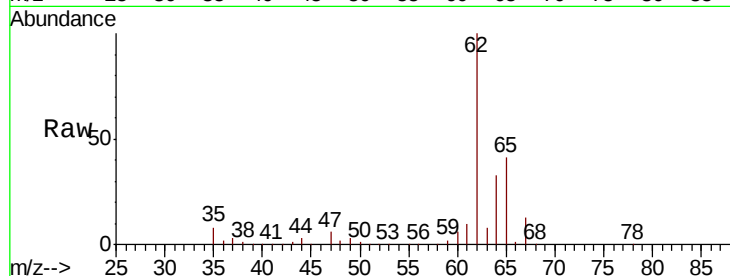
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 140200

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.2



#12

1,1-Dichloroethene

Concen: 1.566 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019018.D

Acq: 20 Oct 2020 16:46

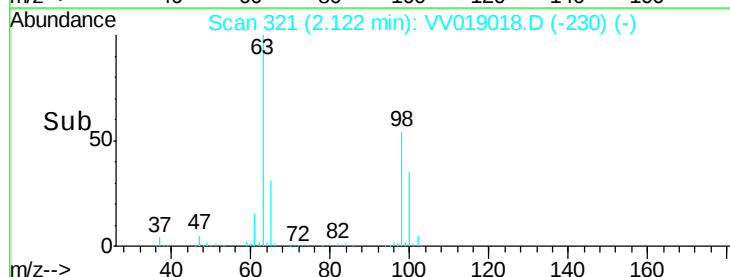
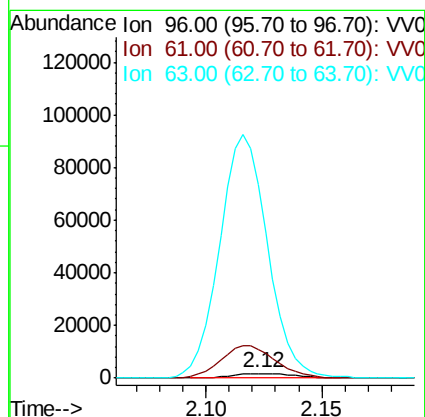
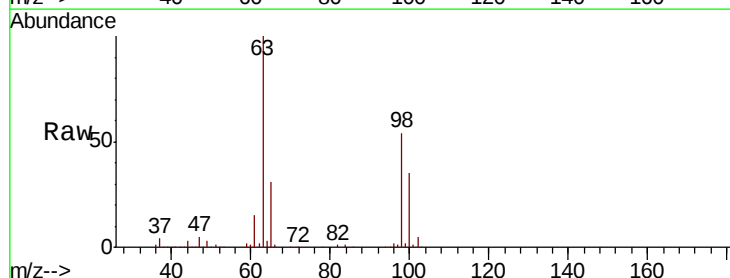
Tgt Ion: 96 Resp: 3231

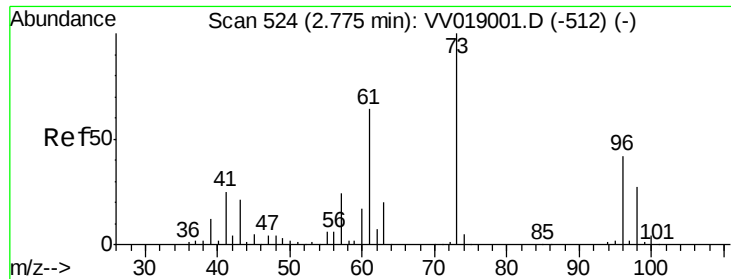
Ion Ratio Lower Upper

96 100

61 617.2 133.5 247.9#

63 4105.2 102.1 189.7#





#17

trans-1,2-Dichloroethene

Concen: 9.449 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019018.D

Acq: 20 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

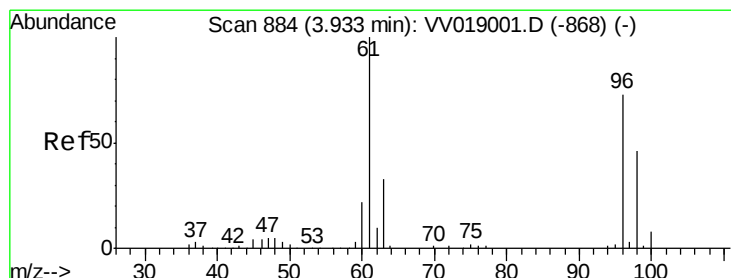
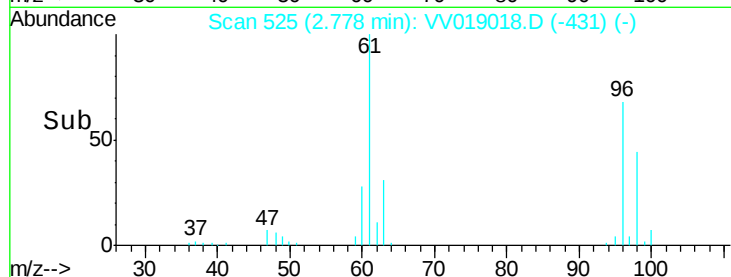
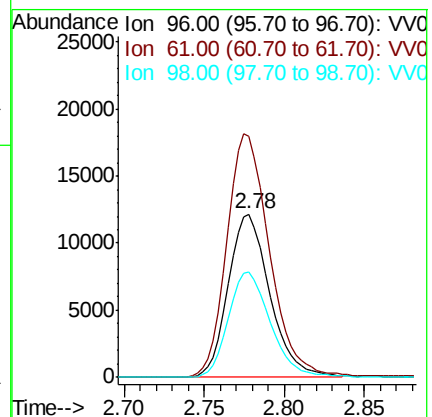
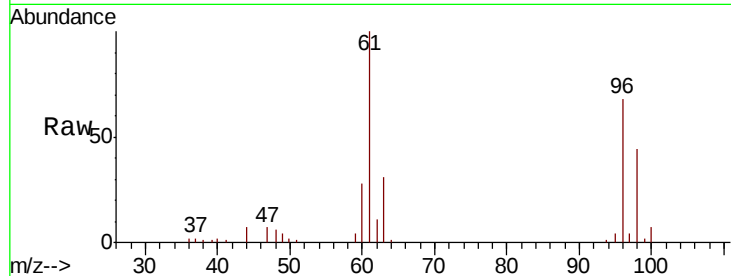
Tot Ion: 96 Resp: 21644

Ion Ratio Lower Upper

96 100

61 147.8 102.8 190.8

98 64.5 44.0 81.6



#20

cis-1,2-Dichloroethene

Concen: 56.100 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV019018.D

Acq: 20 Oct 2020 16:46

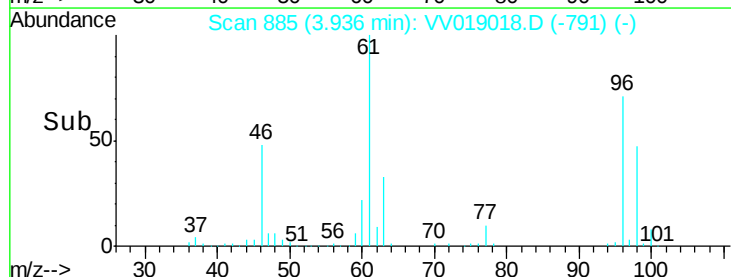
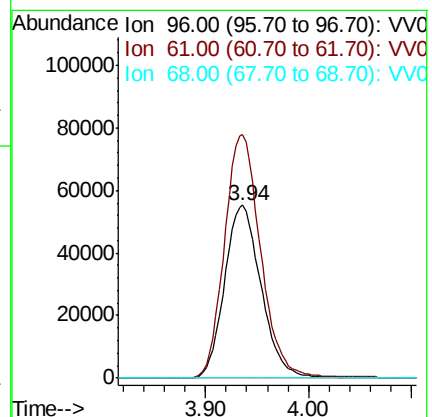
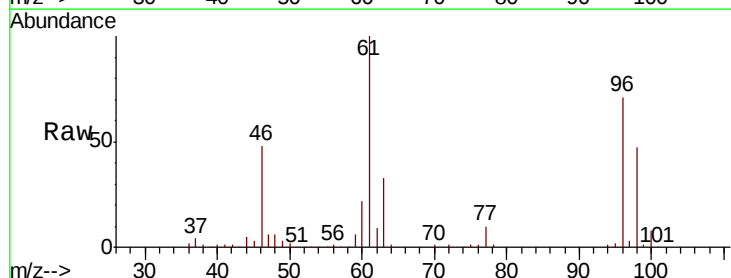
Tgt Ion: 96 Resp: 136193

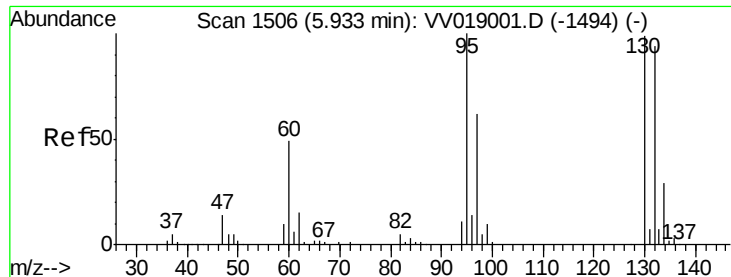
Ion Ratio Lower Upper

96 100

61 140.7 96.1 178.5

68 0.0 0.0 0.0

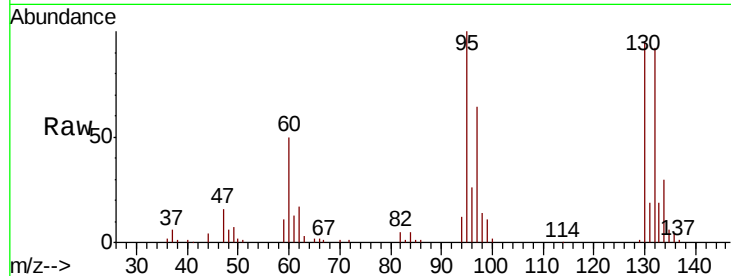




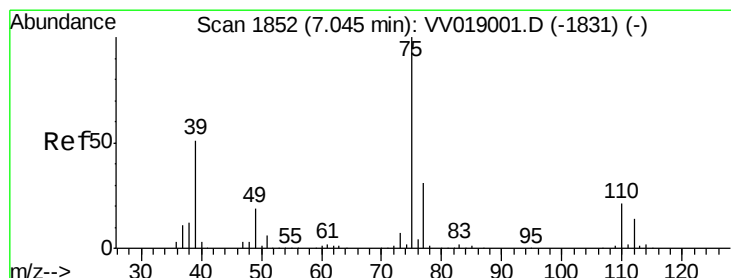
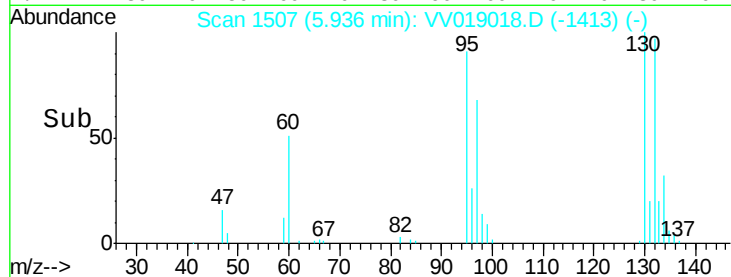
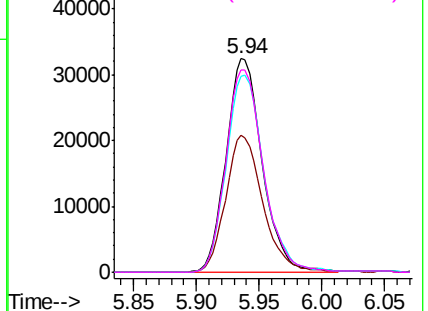
#34
 Trichloroethene
 Concen: 25.736 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV019018.D
 Acq: 20 Oct 2020 16:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 65141
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.7 82.9
 132 92.0 67.0 124.4
 130 94.6 70.8 131.6

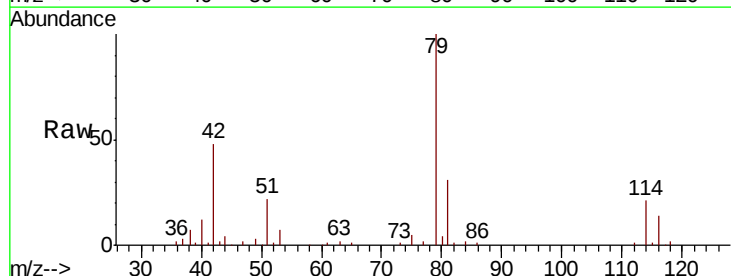


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

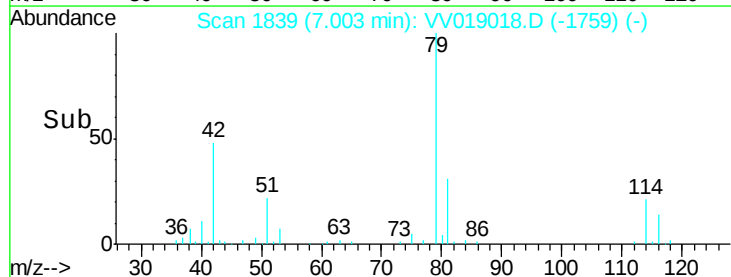
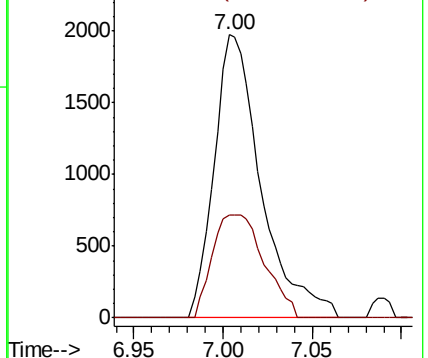


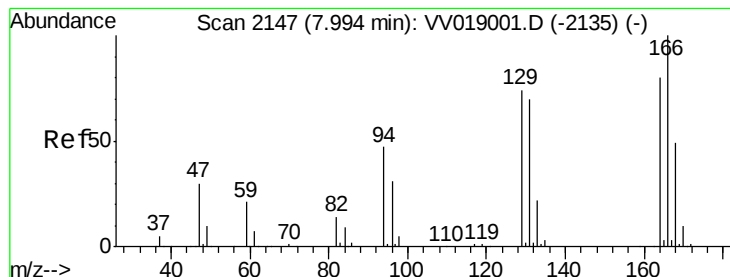
#39
 cis-1,3-Dichloropropene
 Concen: 1.022 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.04 min
 Lab File: VV019018.D
 Acq: 20 Oct 2020 16:46

Tgt Ion: 75 Resp: 3607
 Ion Ratio Lower Upper
 75 100
 77 36.2 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 14.136 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019018.D

Acq: 20 Oct 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 25217

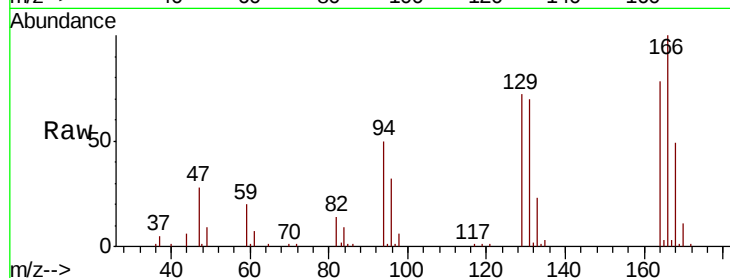
Ion Ratio Lower Upper

164 100

129 92.1 65.0 120.8

131 89.0 62.9 116.7

166 127.5 91.1 169.3

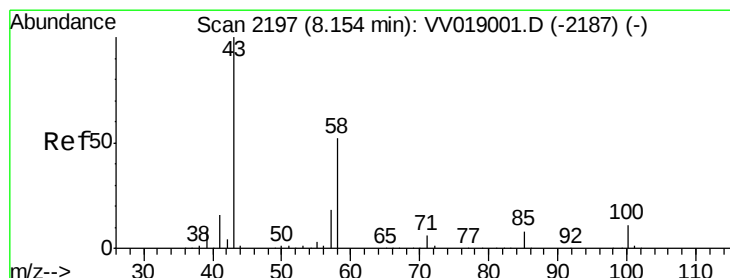
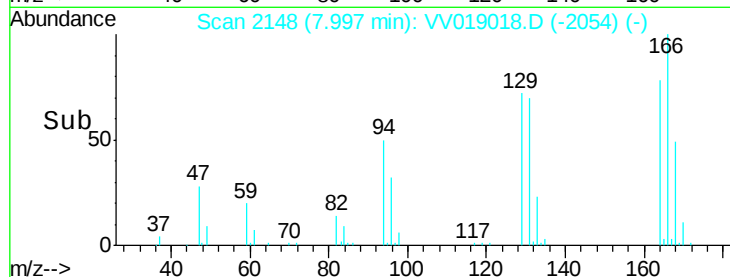
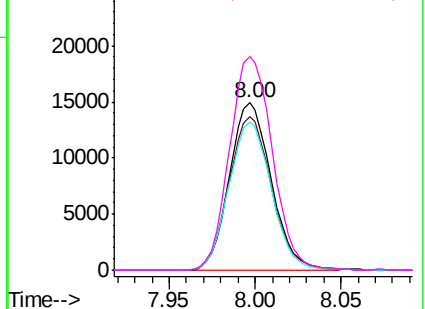


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.789 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.02 min

Lab File: VV019018.D

Acq: 20 Oct 2020 16:46

Tgt Ion: 43 Resp: 12303

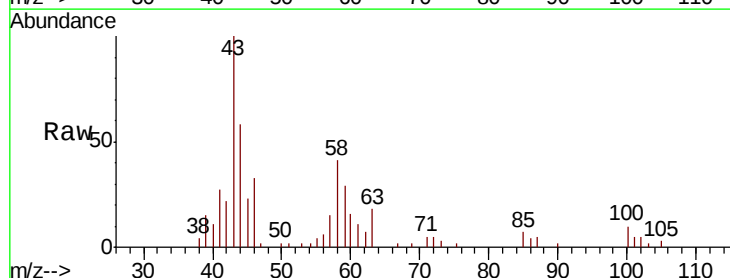
Ion Ratio Lower Upper

43 100

58 35.0 42.5 63.7#

57 0.0 14.5 21.7#

100 8.4 9.0 13.4#

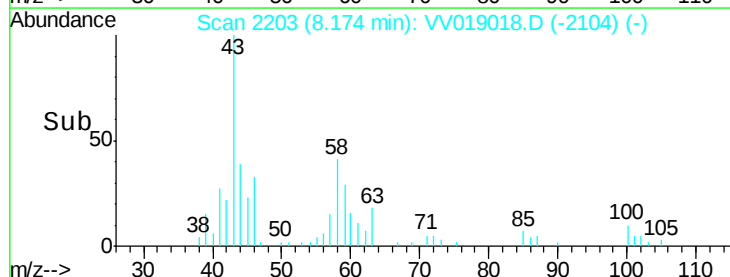
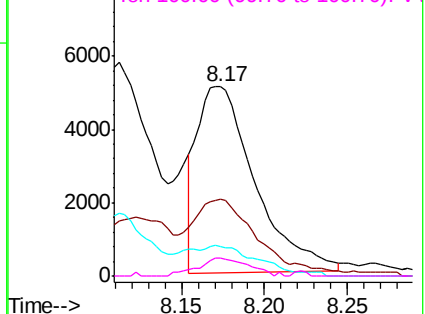


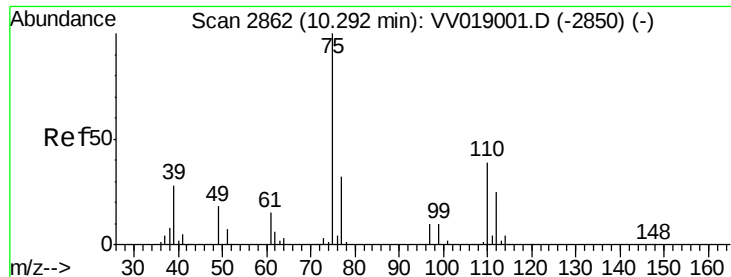
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 5.982 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV019018.D

Acq: 20 Oct 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 75 Resp: 17013

Ion Ratio Lower Upper

75 100

77 37.5 25.4 38.2

