

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
 Data File : VV017896.D
 Acq On : 10 Aug 2020 14:53
 Operator : SY/MD
 Sample : L3608-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L57

Quant Time: Aug 11 02:20:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:17:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	241935	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	229624	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120424	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	56201	44.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.96%
7) Chloroethane-d5	1.58	69	49033	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.38%
11) 1,1-Dichloroethene-d2	2.12	63	99605	33.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.36%
21) 2-Butanone-d5	3.91	46	80216	102.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.53%
24) Chloroform-d	4.37	84	150231	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.72%
26) 1,2-Dichloroethane-d4	5.05	65	116248	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.68%
32) Benzene-d6	5.07	84	252637	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
36) 1,2-Dichloropropane-d6	6.09	67	67419	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.28%
41) Toluene-d8	7.33	98	248303	46.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.18%
43) trans-1,3-Dichloropropene-	7.64	79	40327	46.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.16%
47) 2-Hexanone-d5	8.11	63	47078	96.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.68%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	99240	47.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	119873	48.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.66%

Target Compounds

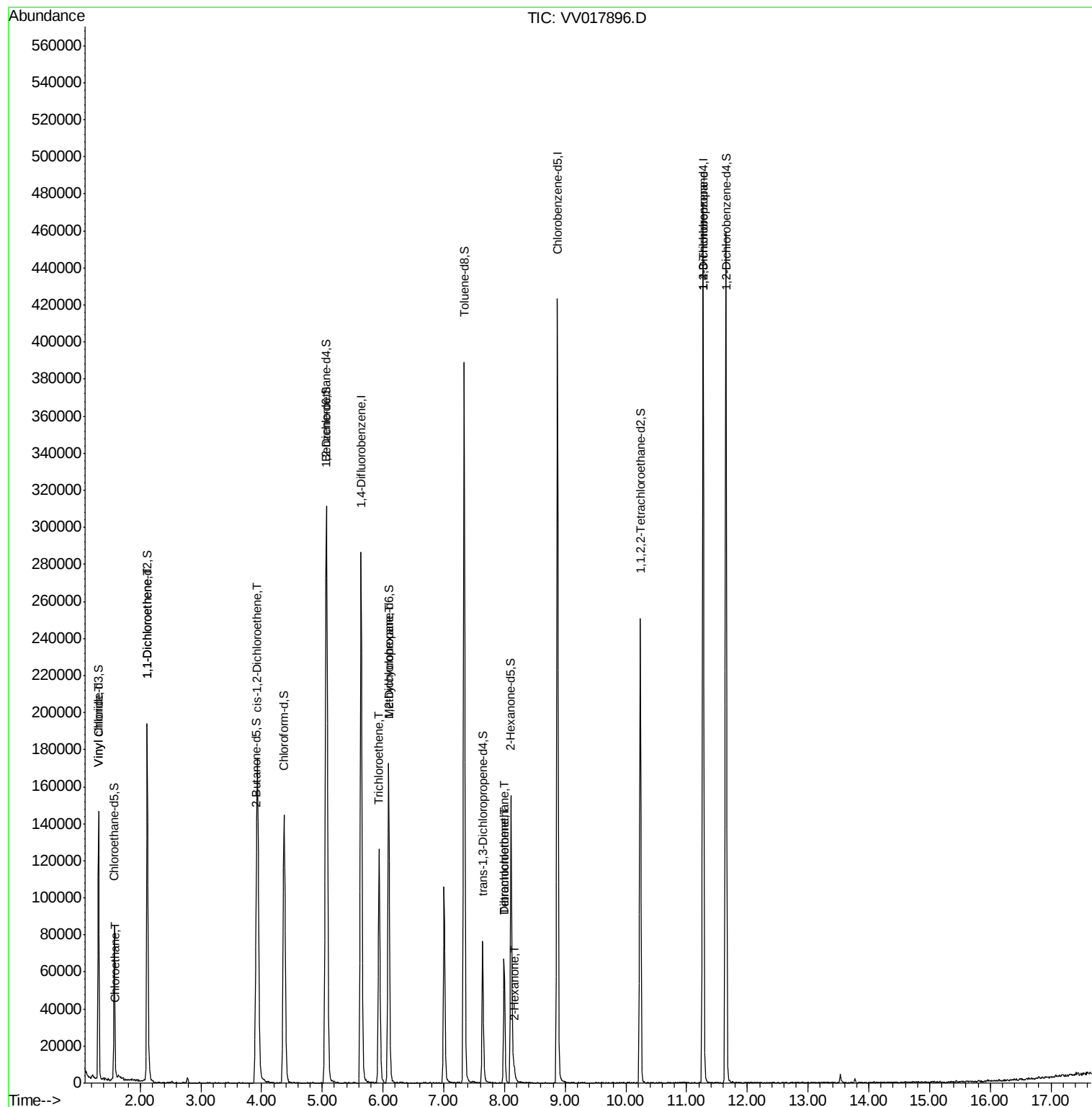
					Ovalue
5) Vinyl chloride	1.32	62	31956	22.606	ug/L 98
8) Chloroethane	1.60	64	947	1.061	ug/L 90
12) 1,1-Dichloroethene	2.12	96	2498	1.753	ug/L # 1
20) cis-1,2-Dichloroethene	3.93	96	88080	56.059	ug/L 98
34) Trichloroethene	5.94	95	40015	24.391	ug/L 97
35) Methylcyclohexane	6.09	83	22225	9.513	ug/L # 21
46) Tetrachloroethene	8.00	164	15099	9.765	ug/L 97
48) 2-Hexanone	8.16	43	3420	2.637	ug/L # 61
49) Dibromochloromethane	8.00	129	13204	7.939	ug/L # 12
59) 1,2,3-Trichloropropane	11.27	75	10537	5.762	ug/L # 81

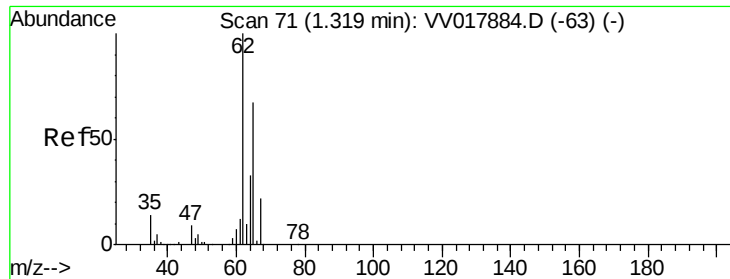
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 11 01:17:50 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 22.606 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017896.D

Acq: 10 Aug 2020 14:53

Instrument :

MSVOA_V

ClientSampled :

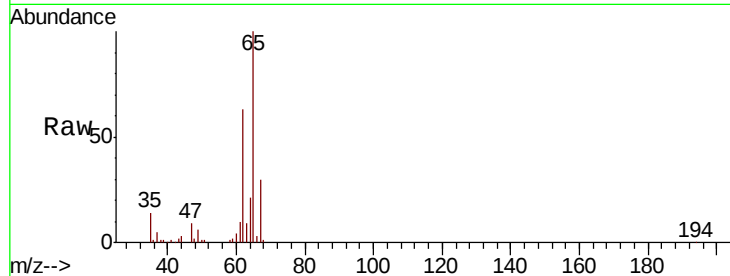
F2L57

Tot Ion: 62 Resp: 31956

Ion Ratio Lower Upper

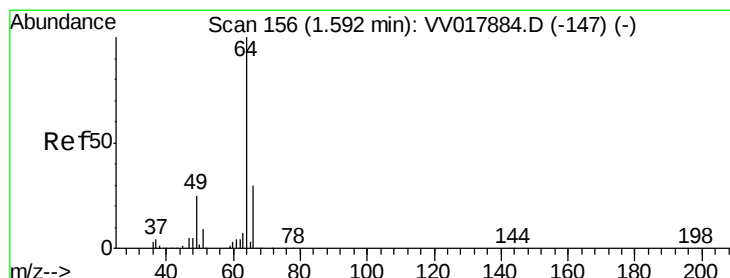
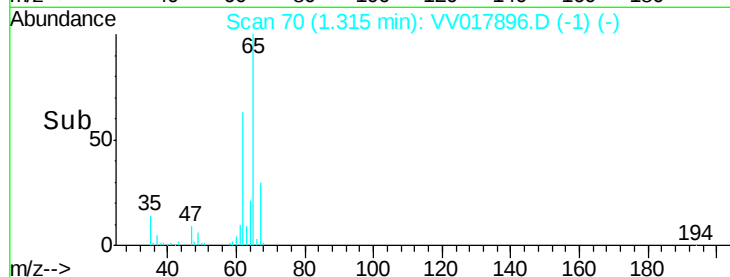
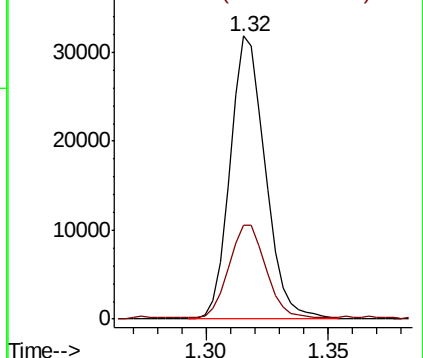
62 100

64 33.3 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 1.061 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV017896.D

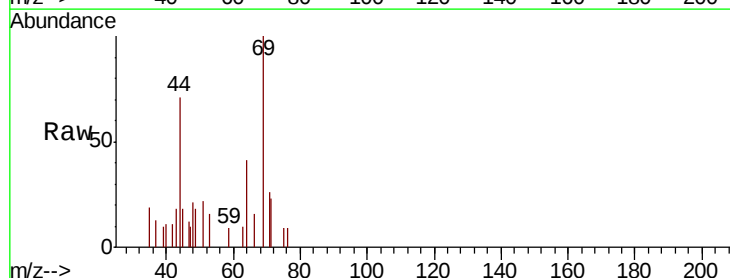
Acq: 10 Aug 2020 14:53

Tgt Ion: 64 Resp: 947

Ion Ratio Lower Upper

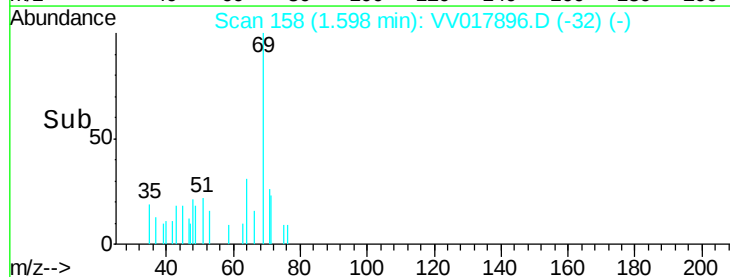
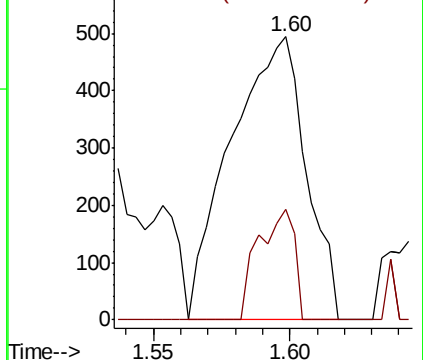
64 100

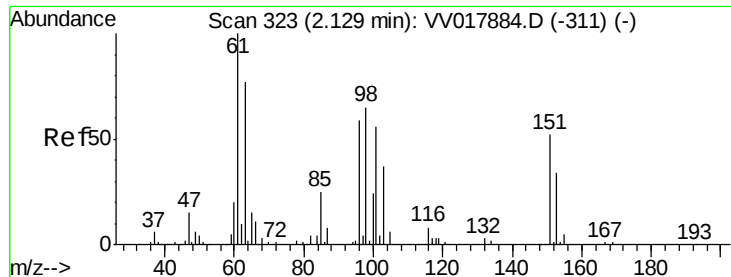
66 38.9 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 1.753 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017896.D

Acq: 10 Aug 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

F2L57

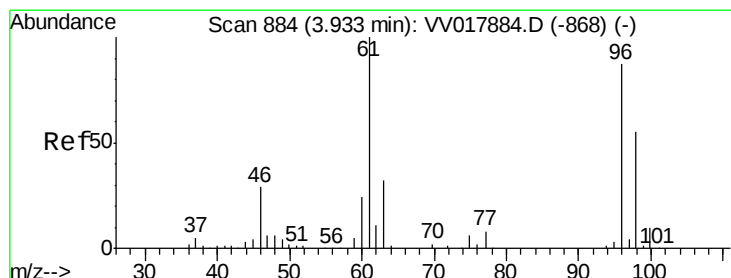
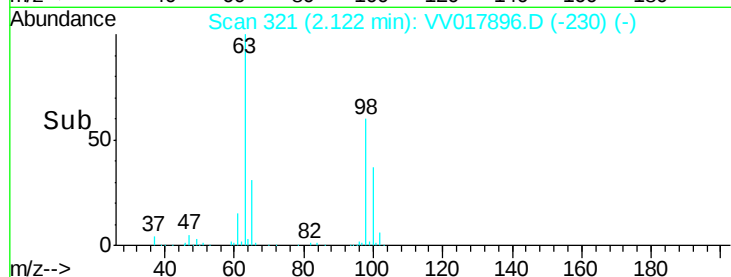
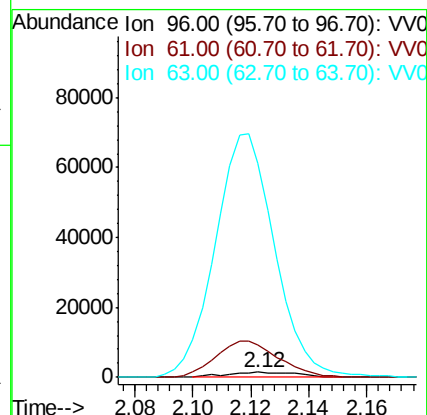
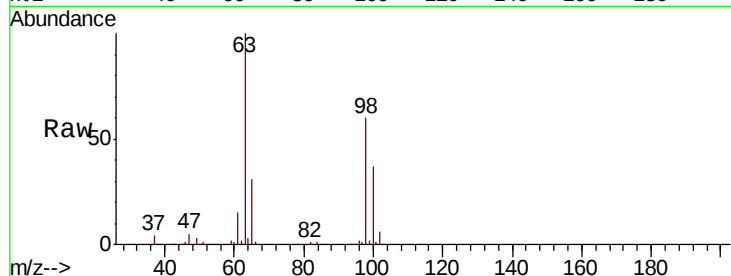
Tot Ion: 96 Resp: 2498

Ion Ratio Lower Upper

96 100

61 646.1 121.1 224.9#

63 4291.9 98.1 182.1#



#20

cis-1,2-Dichloroethene

Concen: 56.059 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV017896.D

Acq: 10 Aug 2020 14:53

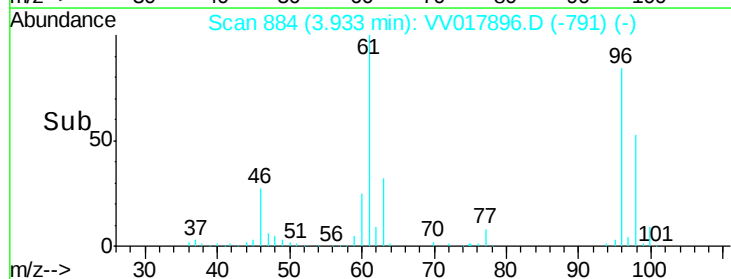
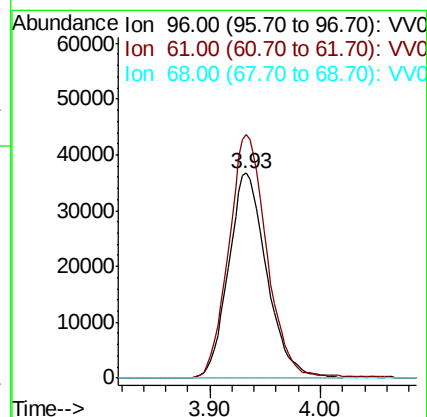
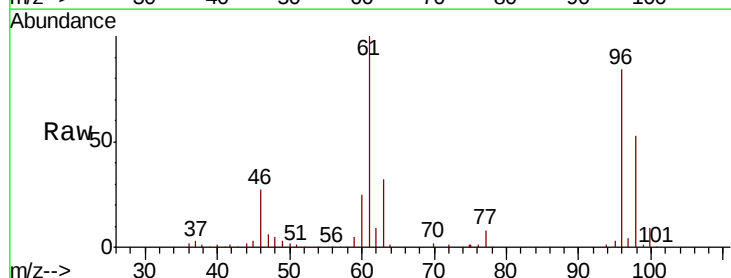
Tgt Ion: 96 Resp: 88080

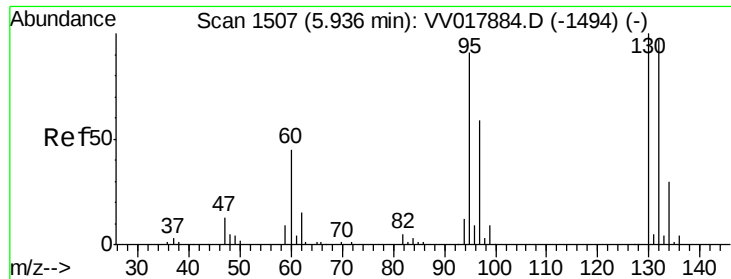
Ion Ratio Lower Upper

96 100

61 118.7 84.4 156.8

68 0.0 0.0 0.0

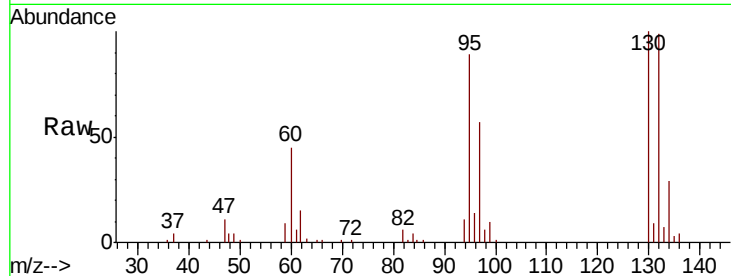




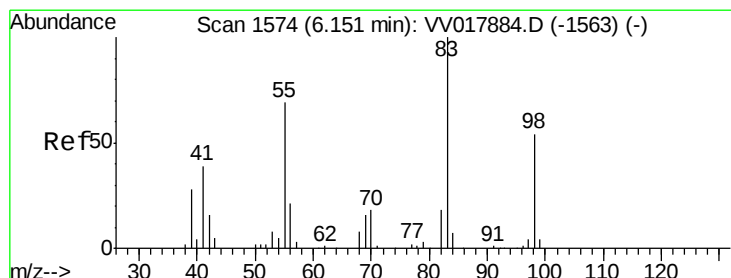
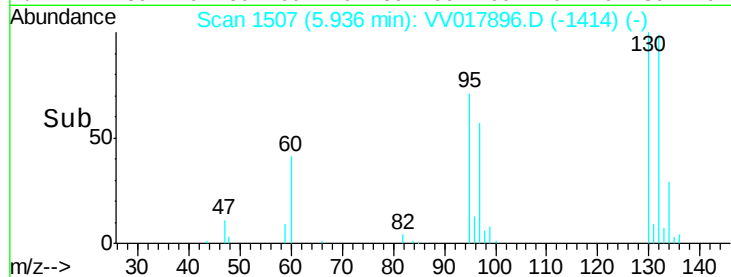
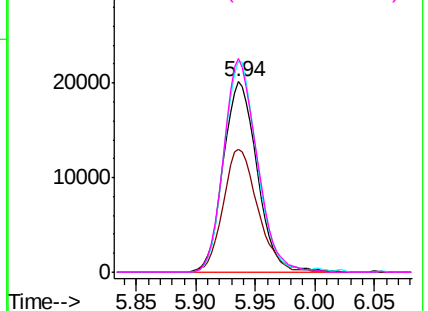
#34
 Trichloroethene
 Concen: 24.391 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017896.D
 Acq: 10 Aug 2020 14:53

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L57

Tot Ion: 95 Resp: 40015
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.7 83.1
 132 111.2 73.6 136.8
 130 112.2 77.6 144.0

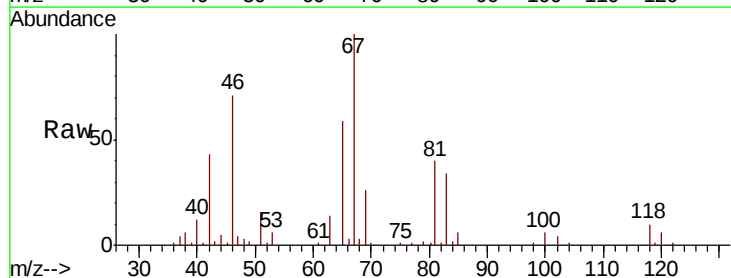


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

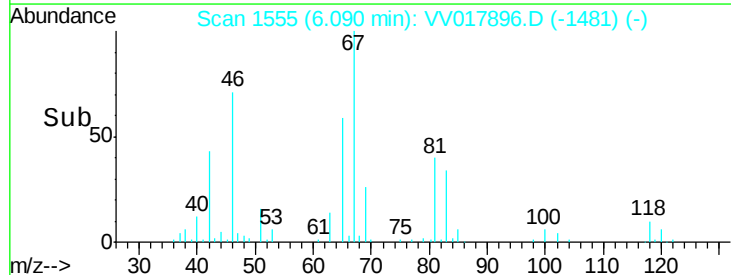
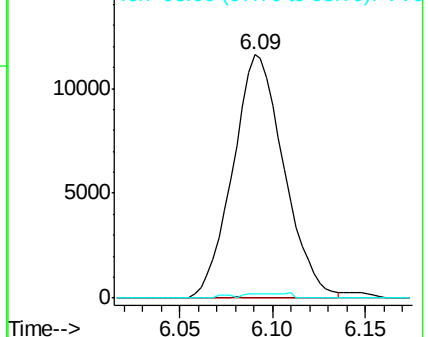


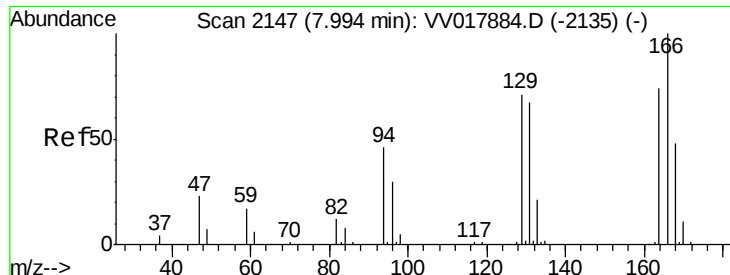
#35
 Methylcyclohexane
 Concen: 9.513 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.06 min
 Lab File: VV017896.D
 Acq: 10 Aug 2020 14:53

Tgt Ion: 83 Resp: 22225
 Ion Ratio Lower Upper
 83 100
 55 0.0 54.6 82.0#
 98 0.6 41.1 61.7#



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

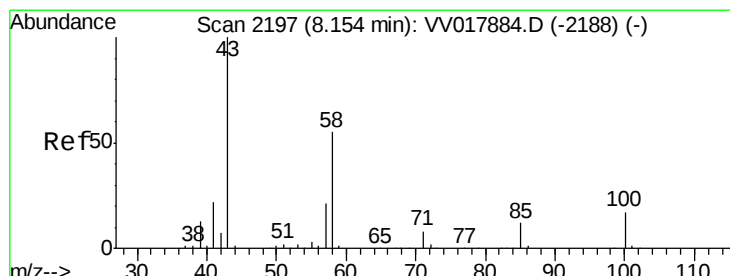
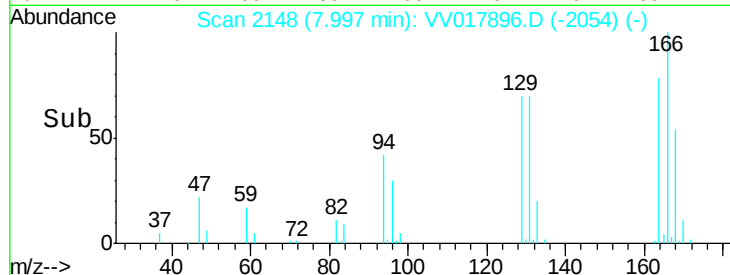
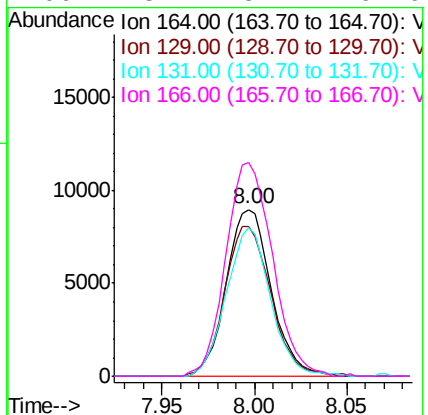
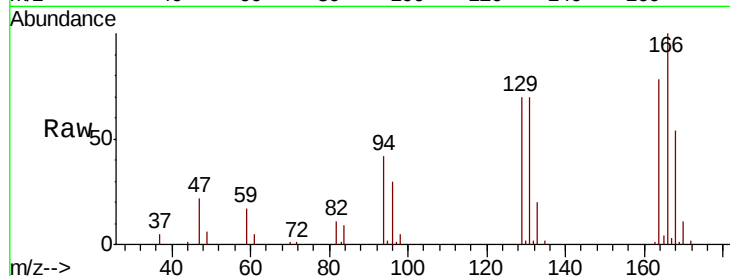




#46
Tetrachloroethene
Concen: 9.765 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017896.D
Acq: 10 Aug 2020 14:53

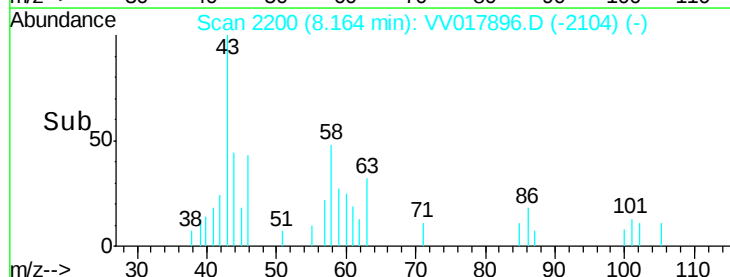
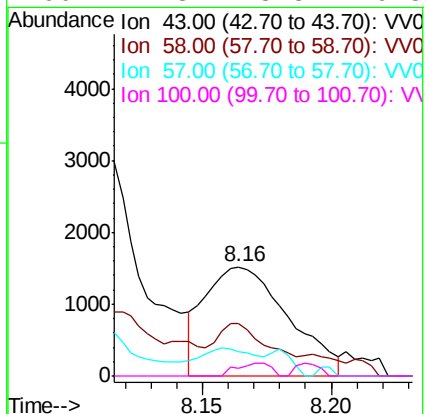
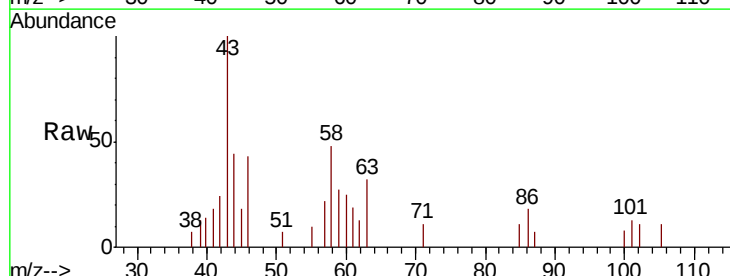
Instrument :
MSVOA_V
ClientSampled :
F2L57

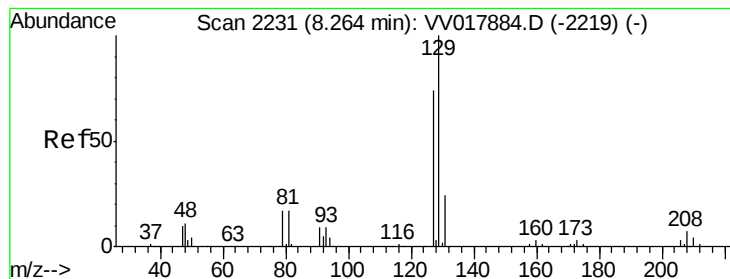
Tot Ion:164 Resp: 15099
Ion Ratio Lower Upper
164 100
129 89.7 61.6 114.4
131 89.4 59.6 110.8
166 128.1 87.2 161.9



#48
2-Hexanone
Concen: 2.637 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV017896.D
Acq: 10 Aug 2020 14:53

Tgt Ion: 43 Resp: 3420
Ion Ratio Lower Upper
43 100
58 17.1 43.8 65.8#
57 17.7 18.0 27.0#
100 1.3 13.8 20.8#





#49

Dibromochloromethane

Concen: 7.939 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017896.D

Acq: 10 Aug 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

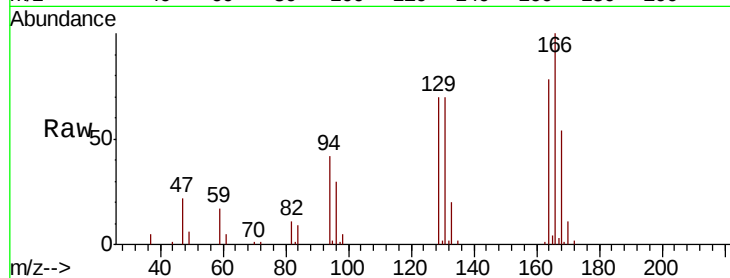
F2L57

Tot Ion:129 Resp: 13204

Ion Ratio Lower Upper

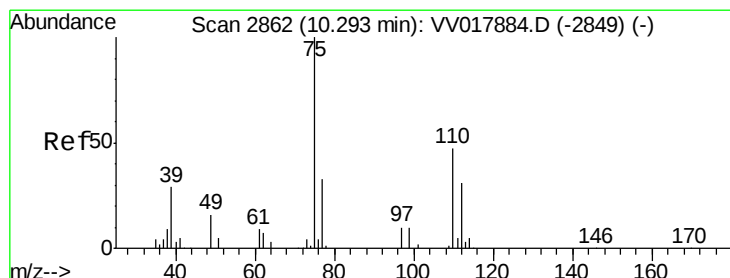
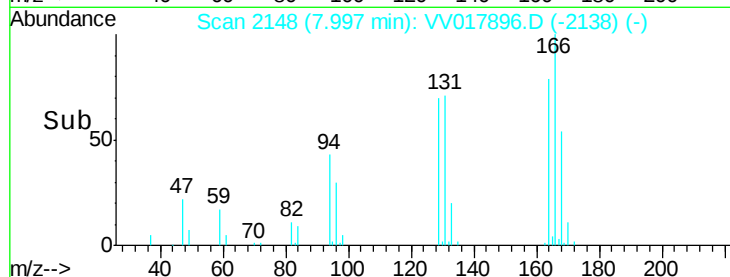
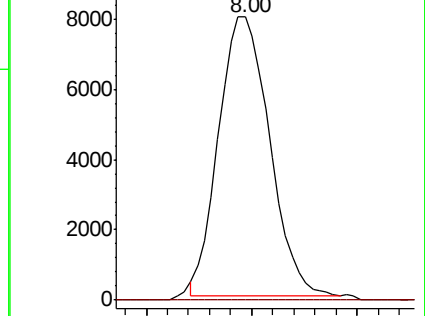
129 100

127 0.0 53.1 98.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.762 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017896.D

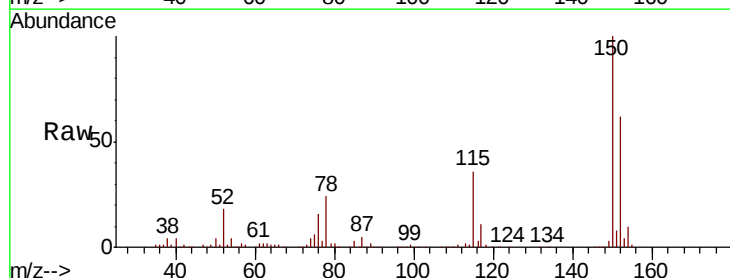
Acq: 10 Aug 2020 14:53

Tgt Ion: 75 Resp: 10537

Ion Ratio Lower Upper

75 100

77 43.8 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

