

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070920\
 Data File : VV017421.D
 Acq On : 10 Jul 2020 00:33
 Operator : SY/MD
 Sample : L3253-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A29

Quant Time: Jul 10 05:15:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 10 05:13:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	276867	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	262004	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127515	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57854	40.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.28%
7) Chloroethane-d5	1.58	69	44317	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.54%
11) 1,1-Dichloroethene-d2	2.12	63	100010	30.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.28%
21) 2-Butanone-d5	3.91	46	91234	92.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.67%
24) Chloroform-d	4.38	84	141731	42.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.02%
26) 1,2-Dichloroethane-d4	5.06	65	105780	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
32) Benzene-d6	5.08	84	250672	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.58%
36) 1,2-Dichloropropane-d6	6.09	67	74125	45.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.96%
41) Toluene-d8	7.34	98	233446	42.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	7.64	79	40455	42.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.30%
47) 2-Hexanone-d5	8.11	63	60903	91.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.05%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	99421	43.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.90%
64) 1,2-Dichlorobenzene-d4	11.65	152	101212	47.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.94%

Target Compounds

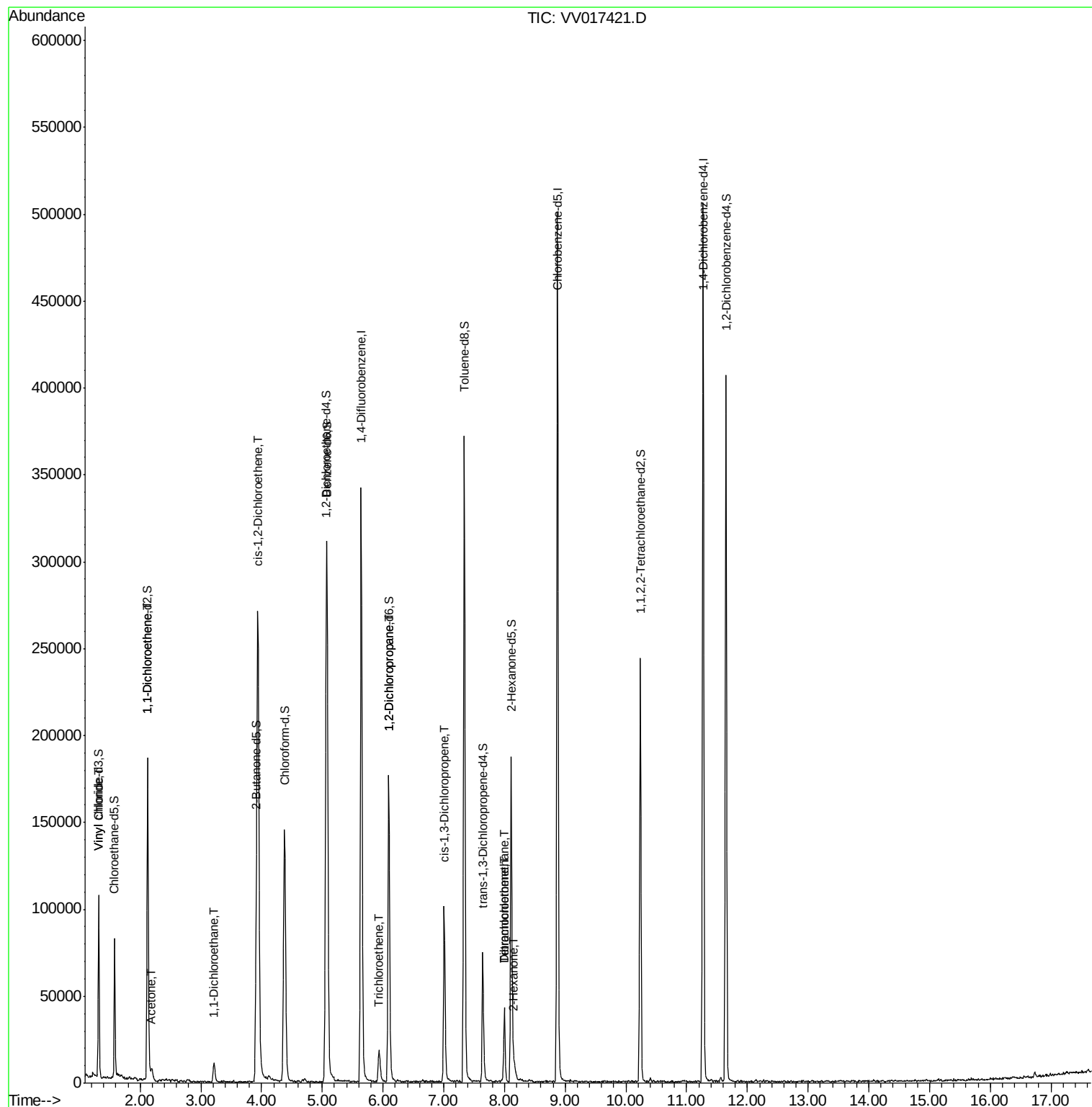
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	5587	2.641	ug/L #	81
12) 1,1-Dichloroethene	2.13	96	1160	0.698	ug/L #	1
13) Acetone	2.19	43	8281	6.179	ug/L	69
19) 1,1-Dichloroethane	3.22	63	10033	3.017	ug/L	88
20) cis-1,2-Dichloroethene	3.94	96	137156	70.785	ug/L	99
34) Trichloroethene	5.95	95	3276	1.593	ug/L	88
37) 1,2-Dichloropropane	6.09	63	10454	6.171	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	3061	1.060	ug/L	83
46) Tetrachloroethene	8.00	164	9142	5.295	ug/L	94
48) 2-Hexanone	8.16	43	4811	2.537	ug/L #	73
49) Dibromochloromethane	8.00	129	8533	3.722	ug/L #	10

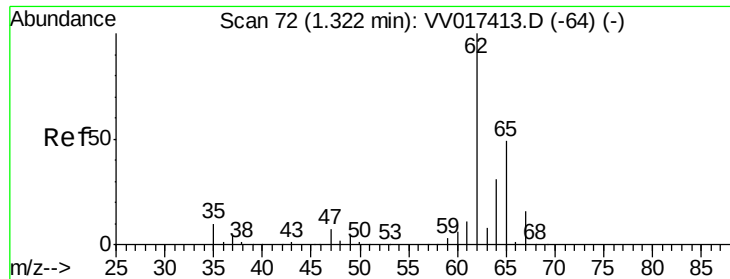
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 10 05:15:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.641 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017421.D

Acq: 10 Jul 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

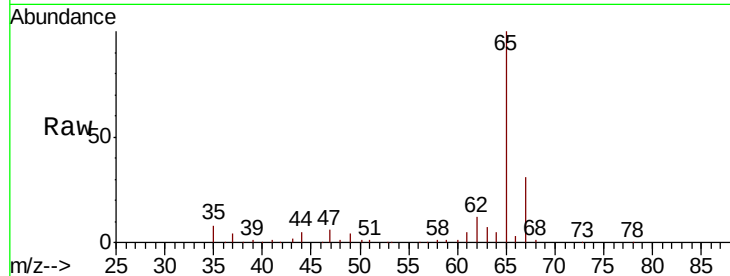
F4A29

Tot Ion: 62 Resp: 5587

Ion Ratio Lower Upper

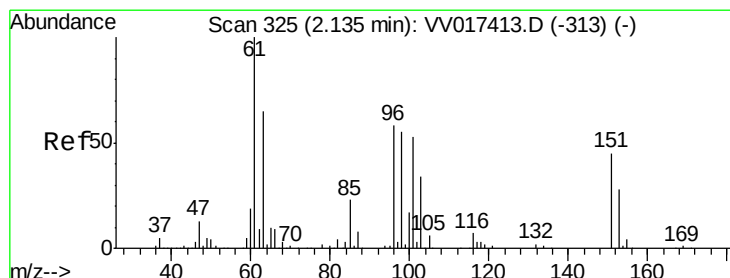
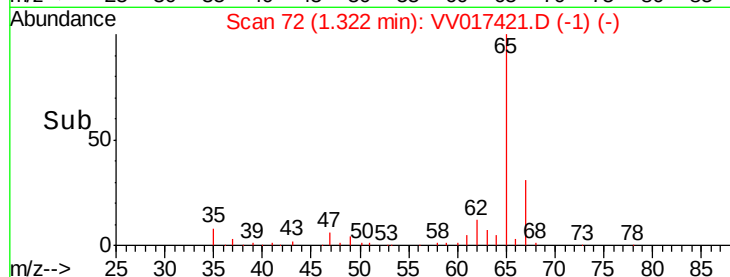
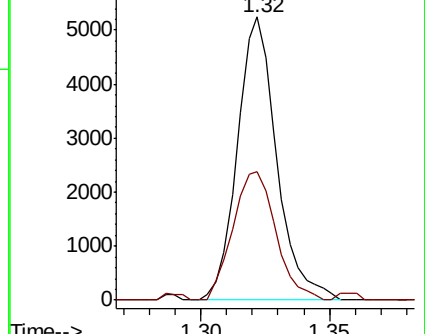
62 100

64 45.2 24.1 44.7#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#12

1,1-Dichloroethene

Concen: 0.698 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017421.D

Acq: 10 Jul 2020 00:33

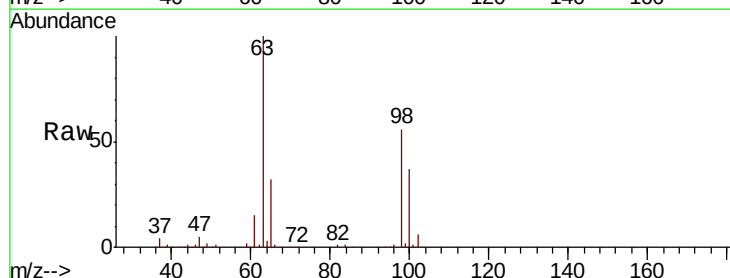
Tgt Ion: 96 Resp: 1160

Ion Ratio Lower Upper

96 100

61 1349.4 132.7 246.4#

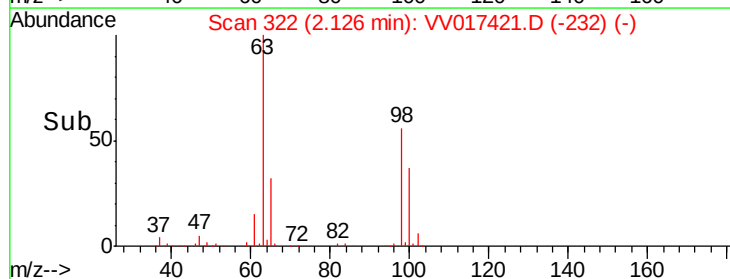
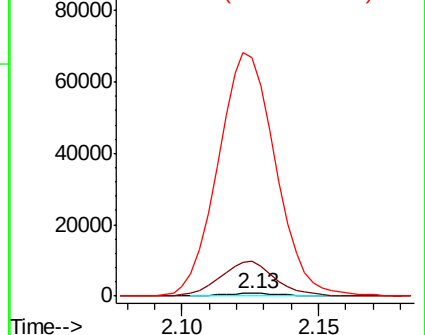
63 9284.4 103.3 191.8#

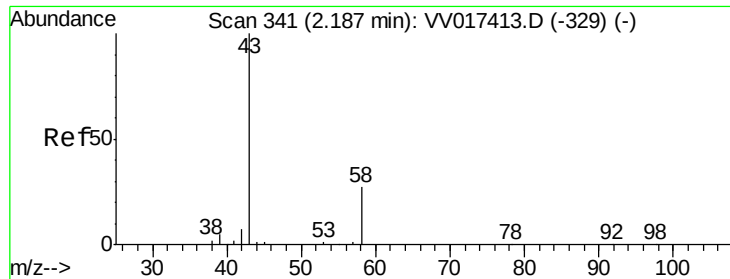


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.179 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV017421.D

Acq: 10 Jul 2020 00:33

Instrument :

MSVOA_V

ClientSampleId :

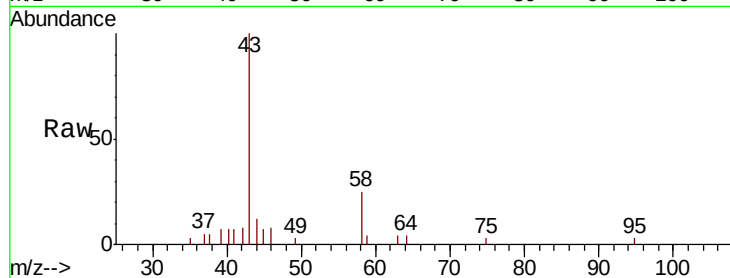
F4A29

Tot Ion: 43 Resp: 8281

Ion Ratio Lower Upper

43 100

58 11.9 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.19

4000

3000

2000

1000

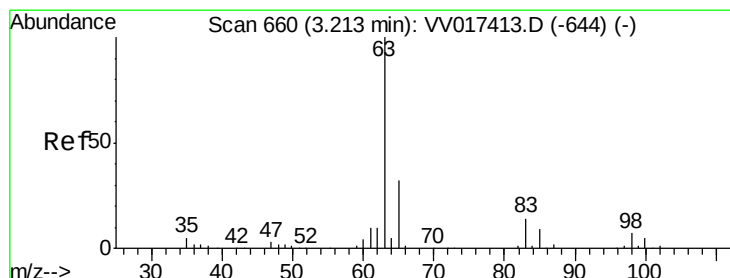
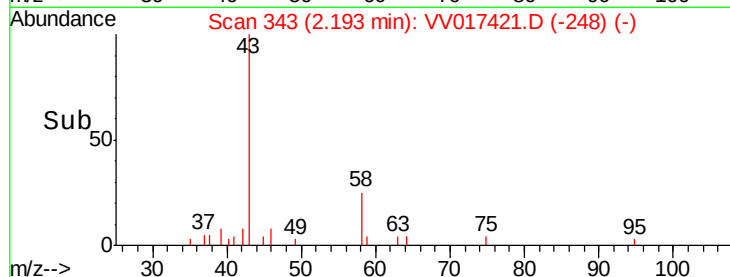
0

Time-->

2.15

2.20

2.25



#19

1,1-Dichloroethane

Concen: 3.017 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV017421.D

Acq: 10 Jul 2020 00:33

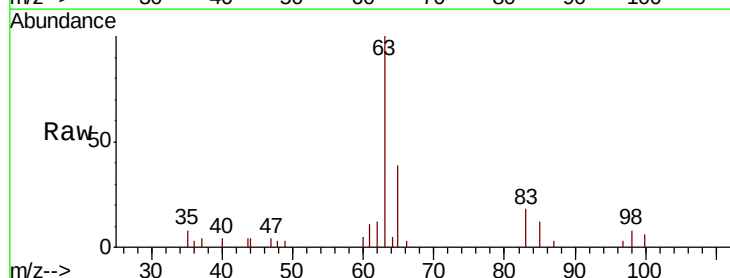
Tgt Ion: 63 Resp: 10033

Ion Ratio Lower Upper

63 100

65 39.1 22.1 41.1

83 17.9 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

6000

5000

4000

3000

2000

1000

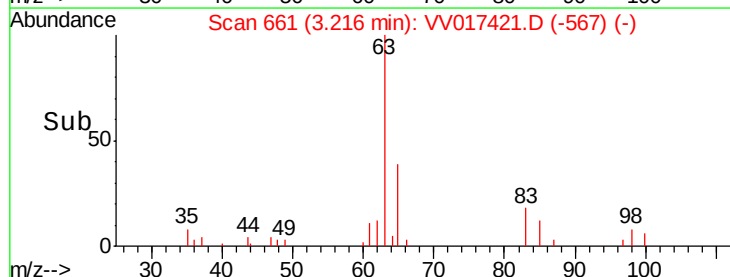
0

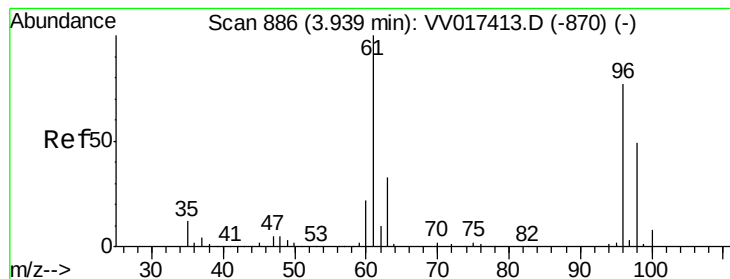
Time-->

3.15

3.20

3.25



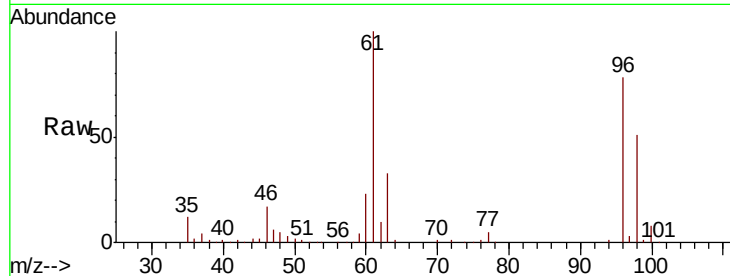


#20

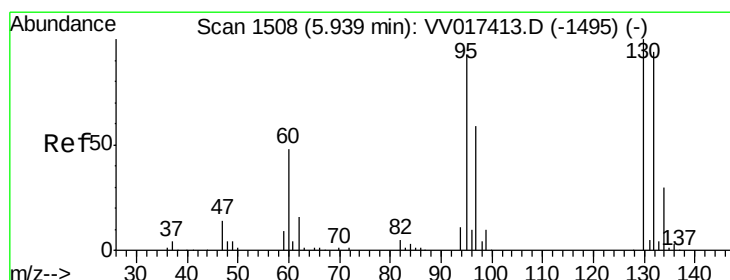
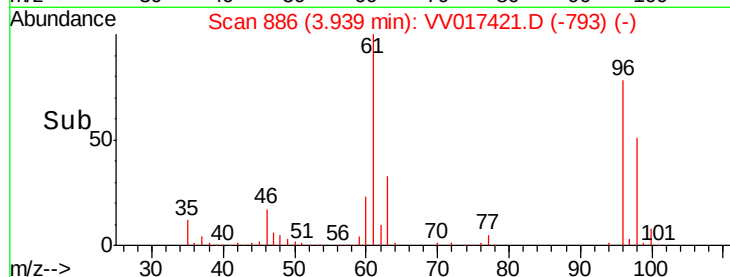
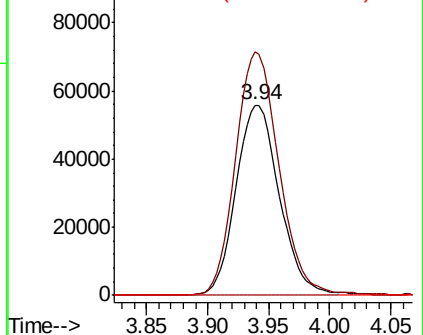
cis-1,2-Dichloroethene
Concen: 70.785 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV017421.D
Acq: 10 Jul 2020 00:33

Instrument :
MSVOA_V
ClientSampleId :
F4A29

Tot Ion: 96 Resp: 137156
Ion Ratio Lower Upper
96 100
61 128.1 88.9 165.1
68 0.0 0.0 0.0



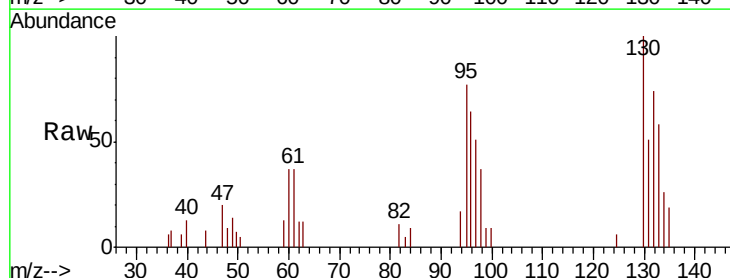
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



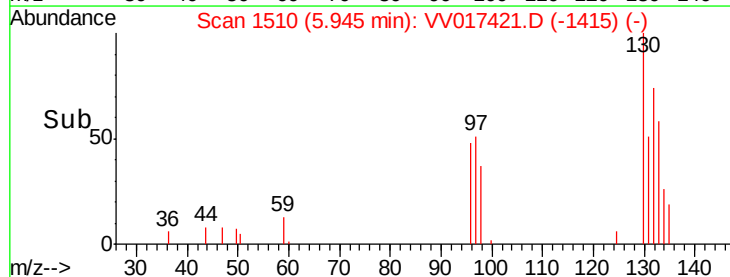
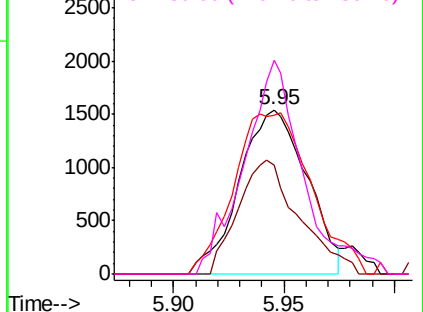
#34

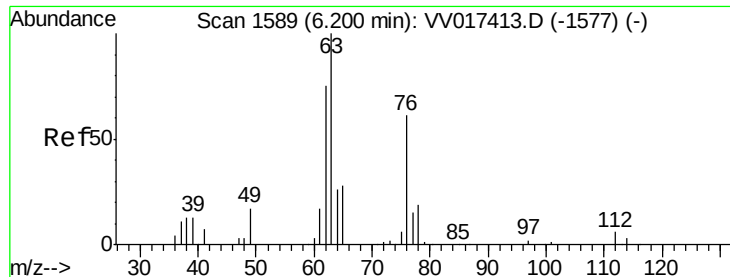
Trichloroethene
Concen: 1.593 ug/L
RT: 5.95 min Scan# 1510
Delta R.T. 0.01 min
Lab File: VV017421.D
Acq: 10 Jul 2020 00:33

Tgt Ion: 95 Resp: 3276
Ion Ratio Lower Upper
95 100
97 66.3 45.6 84.6
132 96.6 74.1 137.5
130 130.3 75.5 140.3



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

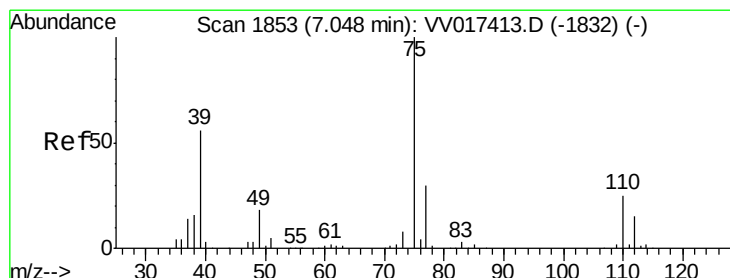
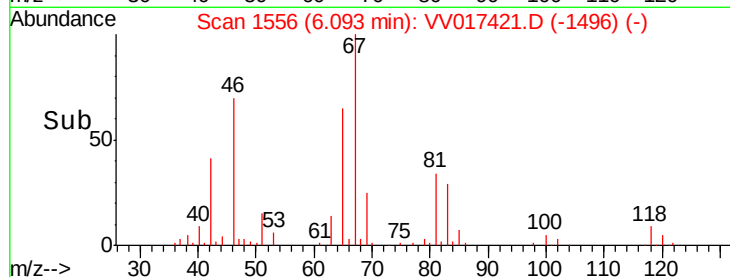
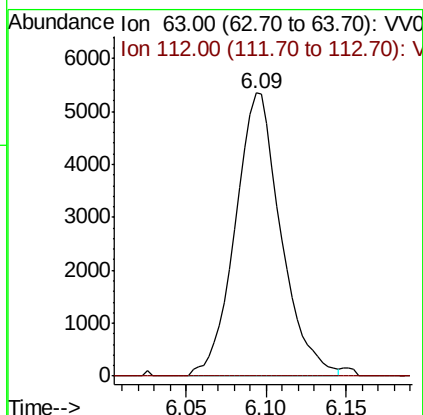
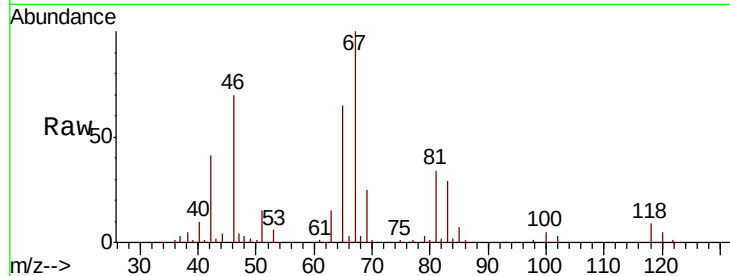




#37
 1,2-Dichloropropane
 Concen: 6.171 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VV017421.D
 Acq: 10 Jul 2020 00:33

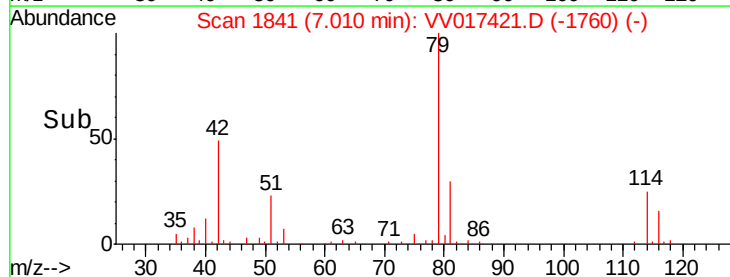
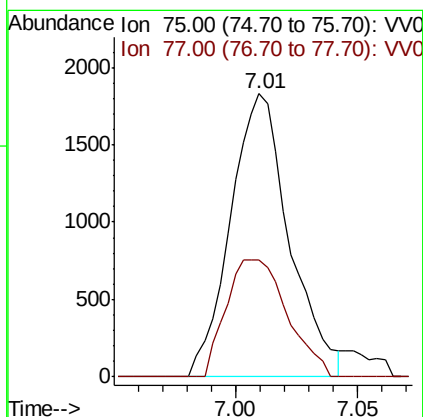
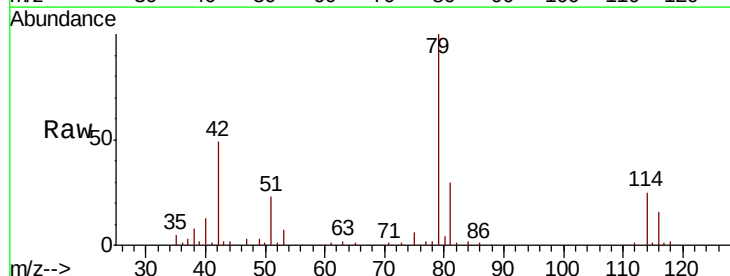
Instrument :
 MSVOA_V
 ClientSampleId :
 F4A29

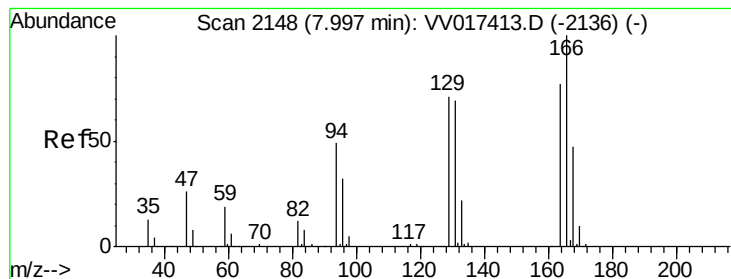
Tot Ion: 63 Resp: 10454
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.060 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017421.D
 Acq: 10 Jul 2020 00:33

Tgt Ion: 75 Resp: 3061
 Ion Ratio Lower Upper
 75 100
 77 41.1 22.2 41.2





#46

Tetrachloroethene

Concen: 5.295 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017421.D

Acq: 10 Jul 2020 00:33

Instrument :

MSVOA_V

ClientSampled :

F4A29

Tot Ion:164 Resp: 9142

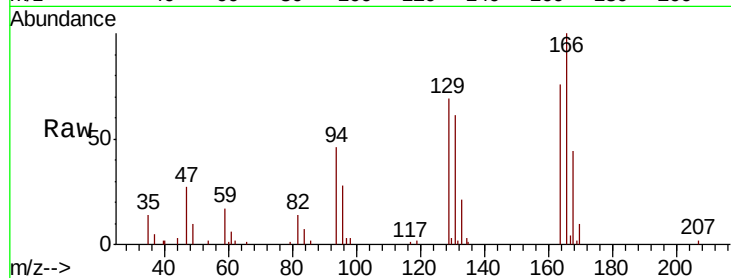
Ion Ratio Lower Upper

164 100

129 91.0 66.6 123.8

131 80.9 65.5 121.7

166 131.8 93.9 174.5

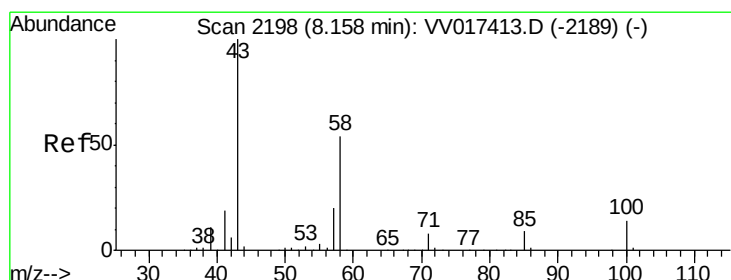
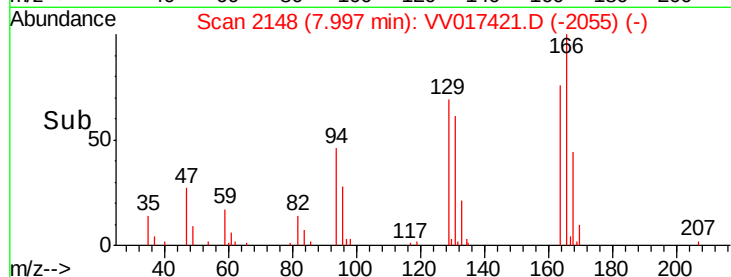
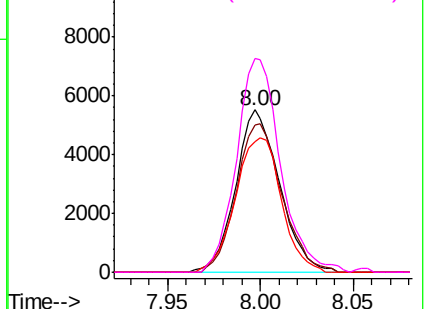


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.537 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV017421.D

Acq: 10 Jul 2020 00:33

Tgt Ion: 43 Resp: 4811

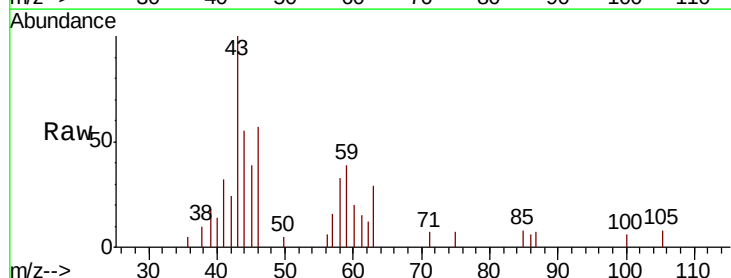
Ion Ratio Lower Upper

43 100

58 34.4 42.6 64.0#

57 8.0 16.2 24.4#

100 1.0 10.9 16.3#

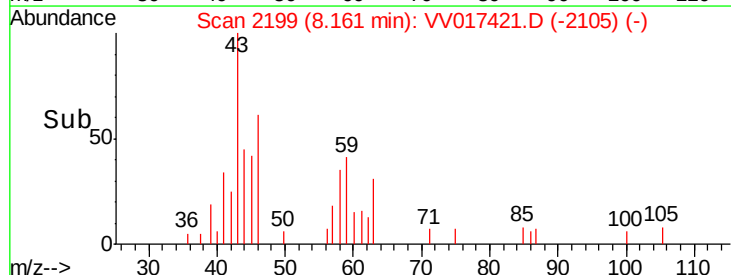
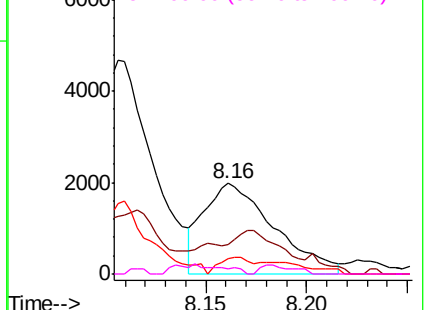


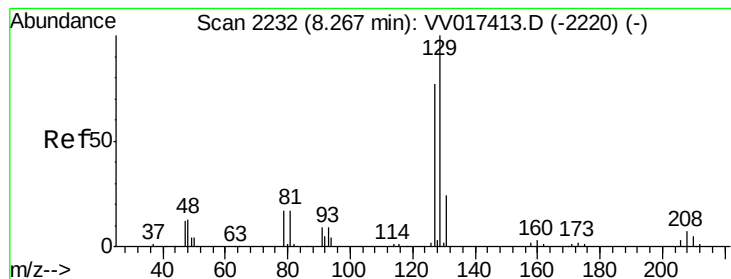
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#49

Dibromochloromethane

Concen: 3.722 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV017421.D

Acq: 10 Jul 2020 00:33

Instrument :
MSVOA_V
ClientSampleId :
F4A29

Tot Ion:129 Resp: 8533

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#

