

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017996.D
 Acq On : 14 Aug 2020 14:40
 Operator : SY/MD
 Sample : L3665-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L71

Quant Time: Aug 17 01:36:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	251470	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	247552	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	116137	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94095	49.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.08%
7) Chloroethane-d5	1.58	69	78963	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.12	63	135330	36.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.74%
21) 2-Butanone-d5	3.91	46	118191	94.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.05%
24) Chloroform-d	4.38	84	161540	46.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.50%
26) 1,2-Dichloroethane-d4	5.06	65	114484	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.94%
32) Benzene-d6	5.08	84	336944	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.78%
36) 1,2-Dichloropropane-d6	6.10	67	108984	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.72%
41) Toluene-d8	7.34	98	293090	47.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.54%
43) trans-1,3-Dichloropropene-	7.64	79	48008	47.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.92%
47) 2-Hexanone-d5	8.11	63	58923	82.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	132696	45.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	119346	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%

Target Compounds

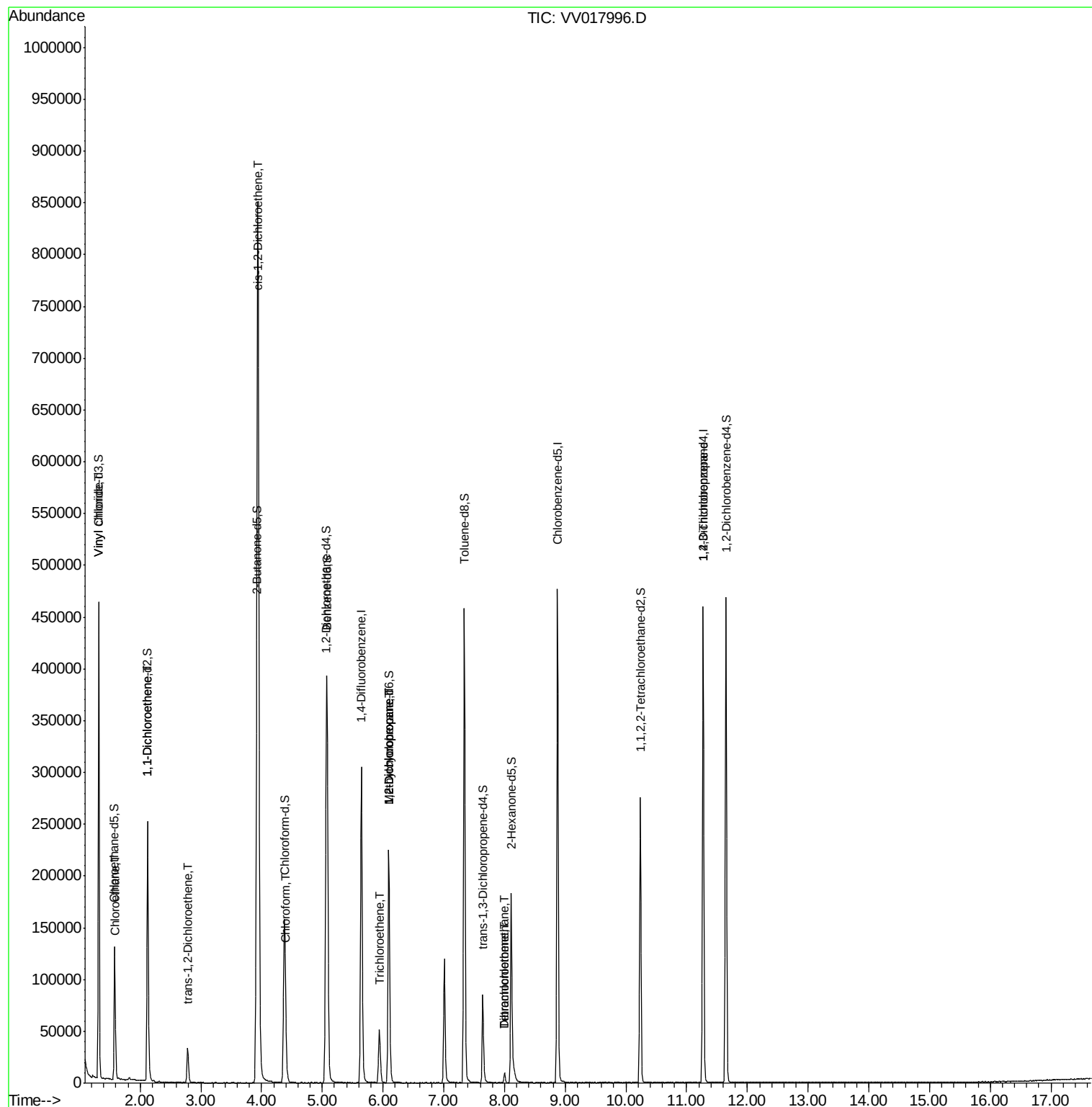
					Ovalue
5) Vinyl chloride	1.32	62	200502	89.732	ug/L 100
8) Chloroethane	1.60	64	19452	13.639	ug/L 100
12) 1,1-Dichloroethene	2.13	96	1637	0.970	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	11548	6.660	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	454791	238.674	ug/L 98
25) Chloroform	4.41	83	7167	2.015	ug/L 88
34) Trichloroethene	5.94	95	16284	8.044	ug/L 98
35) Methylcyclohexane	6.09	83	25734	8.549	ug/L # 17
37) 1,2-Dichloropropane	6.09	63	12073	5.780	ug/L # 87
46) Tetrachloroethene	8.00	164	2265	1.526	ug/L 95
49) Dibromochloromethane	8.00	129	2151	1.139	ug/L # 10
59) 1,2,3-Trichloropropane	11.27	75	13785	5.344	ug/L 92

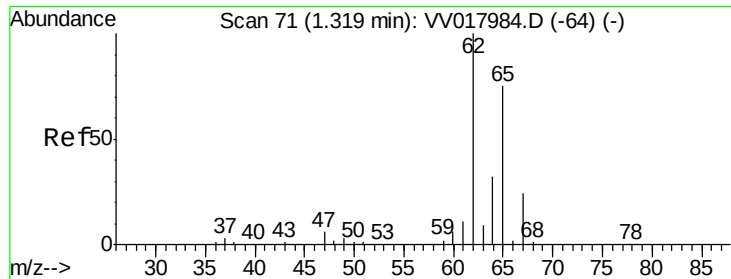
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 17 01:31:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 89.732 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017996.D

Acq: 14 Aug 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

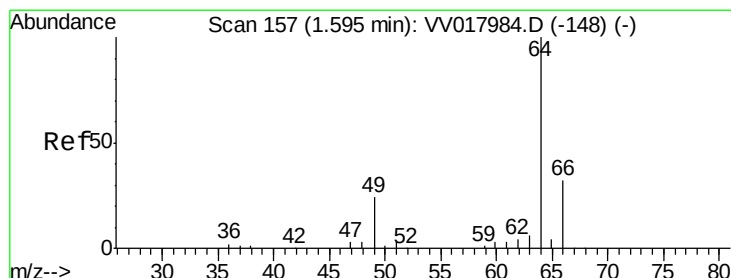
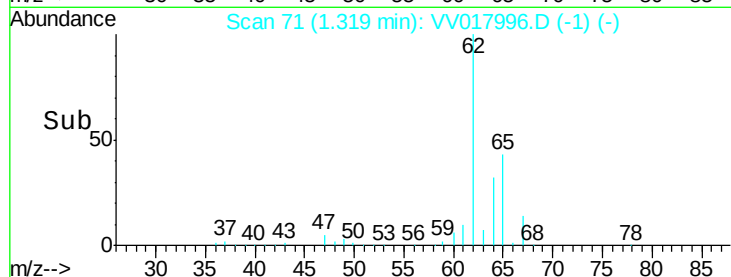
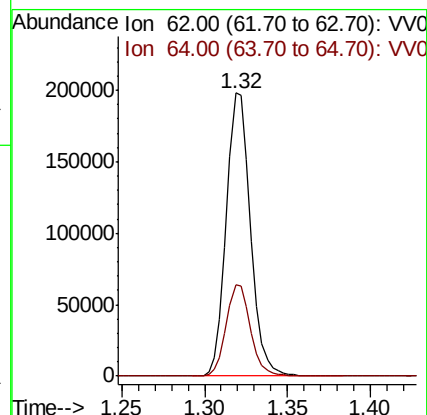
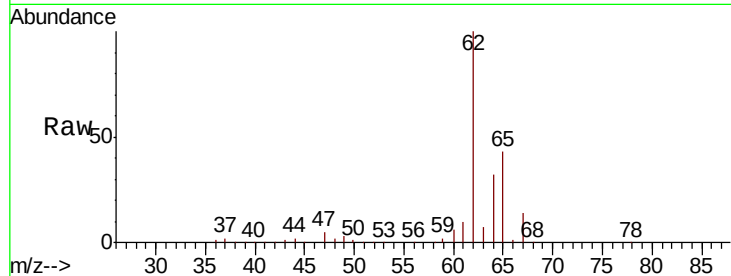
F4L71

Tot Ion: 62 Resp: 200502

Ion Ratio Lower Upper

62 100

64 32.2 22.4 41.6



#8

Chloroethane

Concen: 13.639 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017996.D

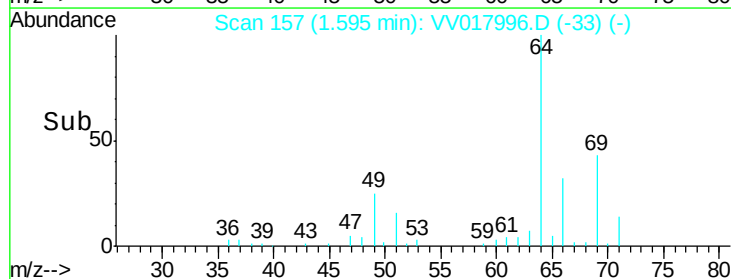
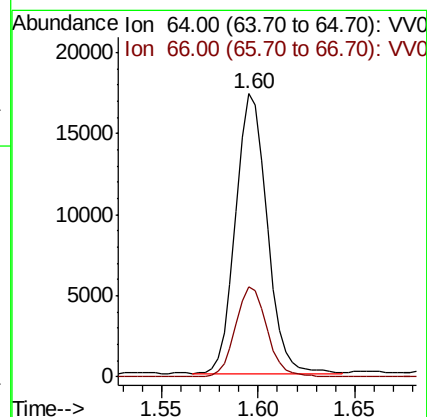
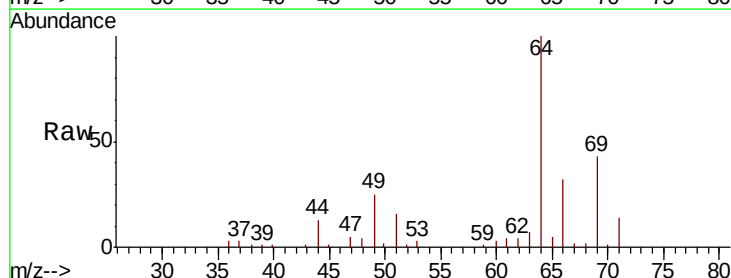
Acq: 14 Aug 2020 14:40

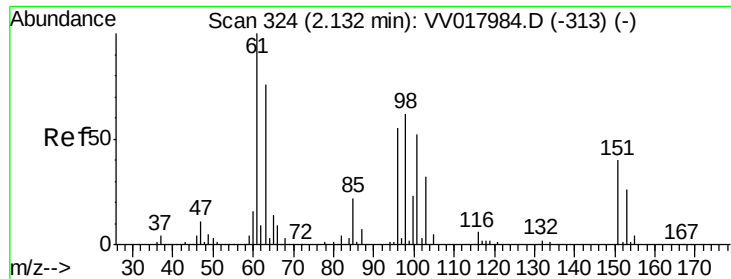
Tgt Ion: 64 Resp: 19452

Ion Ratio Lower Upper

64 100

66 31.7 22.3 41.3

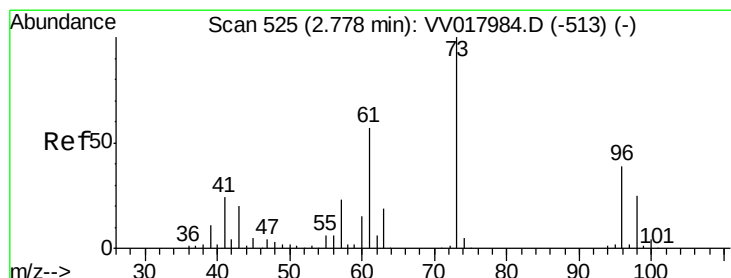
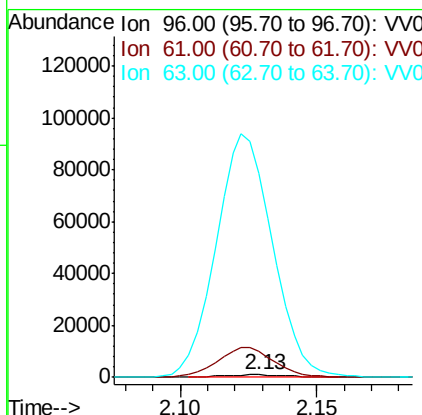
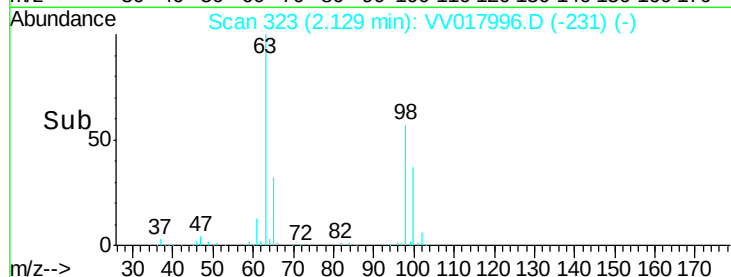
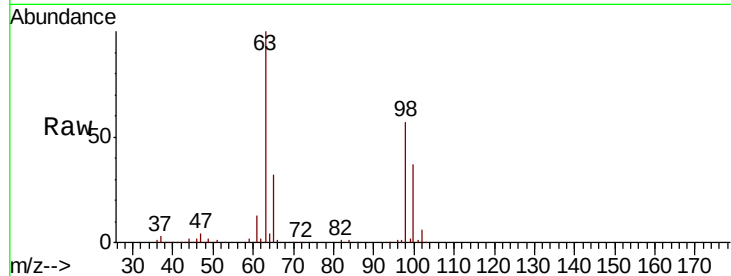




#12
 1,1-Dichloroethene
 Concen: 0.970 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV017996.D
 Acq: 14 Aug 2020 14:40

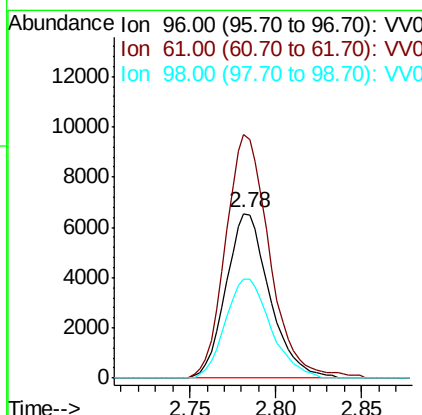
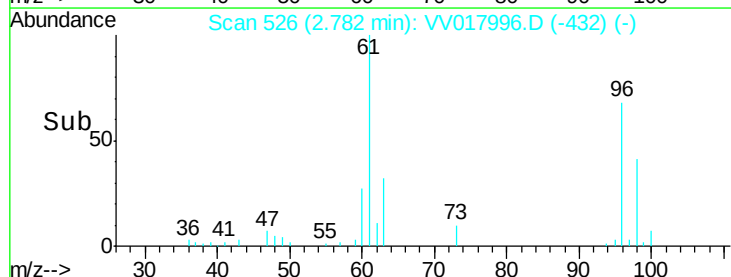
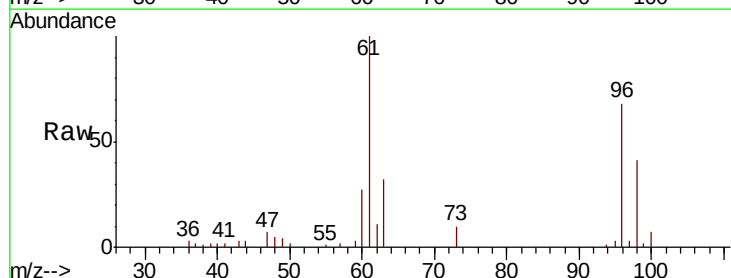
Instrument :
 MSVOA_V
 ClientSampled :
 F4L71

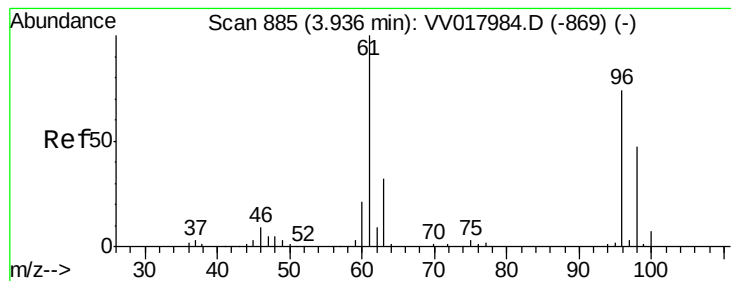
Tot Ion: 96 Resp: 1637
 Ion Ratio Lower Upper
 96 100
 61 1032.9 127.1 236.0#
 63 8219.6 95.2 176.8#



#17
 trans-1,2-Dichloroethene
 Concen: 6.660 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VV017996.D
 Acq: 14 Aug 2020 14:40

Tgt Ion: 96 Resp: 11548
 Ion Ratio Lower Upper
 96 100
 61 147.9 102.4 190.2
 98 60.0 44.4 82.5





#20

cis-1,2-Dichloroethene

Concen: 238.674 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017996.D

Acq: 14 Aug 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

F4L71

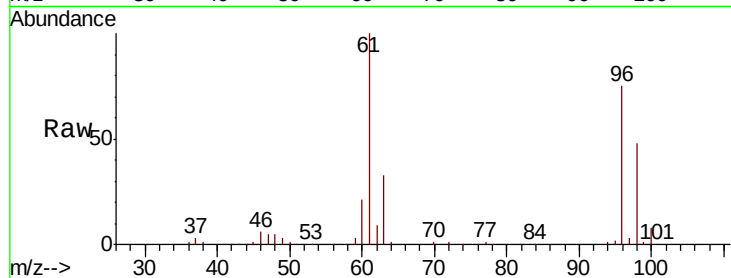
Tot Ion: 96 Resp: 454791

Ion Ratio Lower Upper

96 100

61 133.6 95.0 176.4

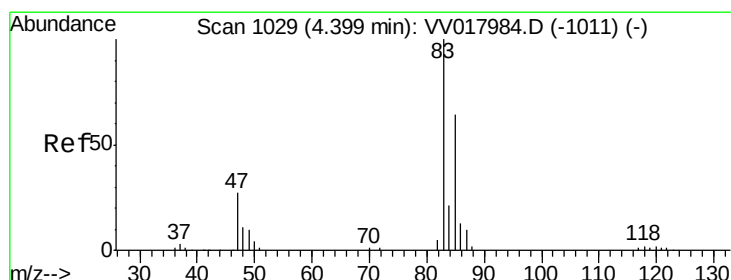
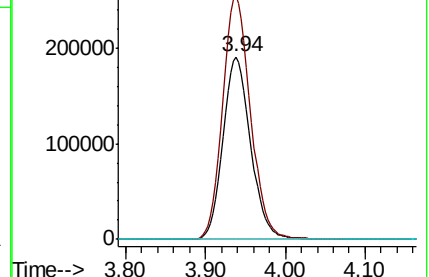
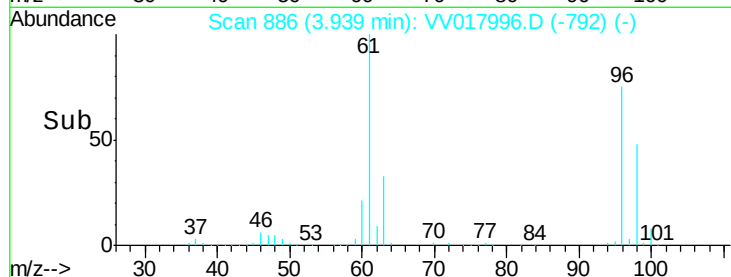
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017984.D (-869) (-)

Ion 61.00 (60.70 to 61.70): VV017984.D (-869) (-)

Ion 68.00 (67.70 to 68.70): VV017984.D (-869) (-)



#25

Chloroform

Concen: 2.015 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV017996.D

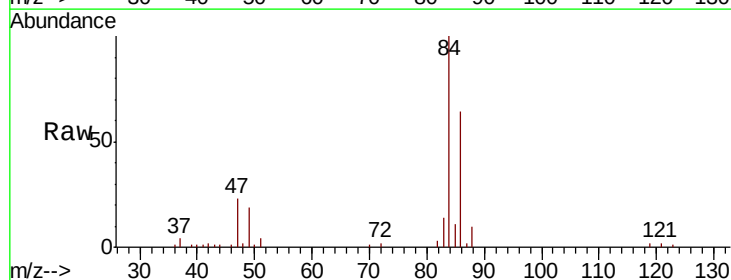
Acq: 14 Aug 2020 14:40

Tgt Ion: 83 Resp: 7167

Ion Ratio Lower Upper

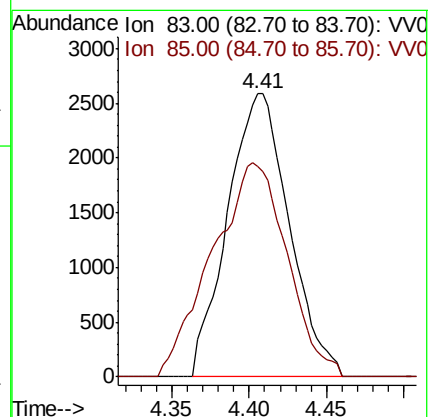
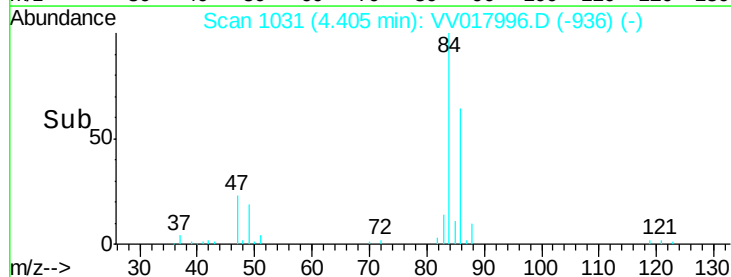
83 100

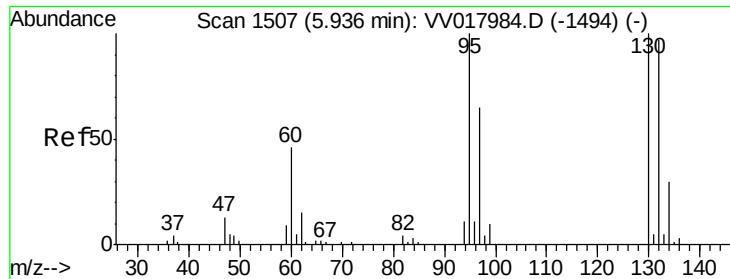
85 74.3 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV017984.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV017984.D (-1011) (-)





#34

Trichloroethene

Concen: 8.044 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017996.D

Acq: 14 Aug 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

F4L71

Tot Ion: 95 Resp: 16284

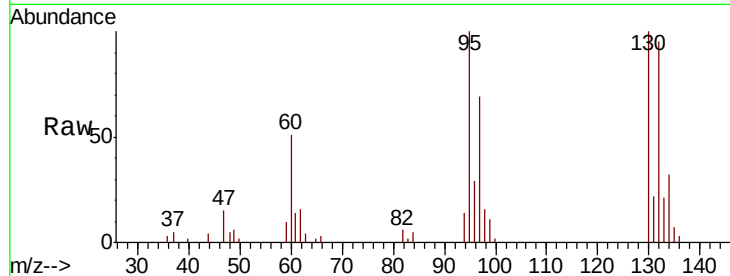
Ion Ratio Lower Upper

95 100

97 69.2 46.0 85.4

132 94.8 65.8 122.2

130 99.9 69.2 128.6



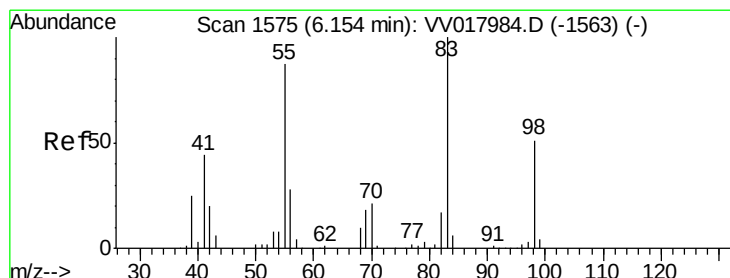
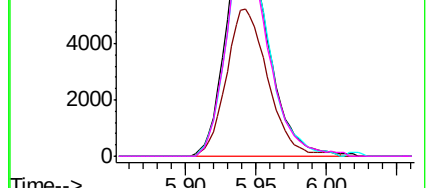
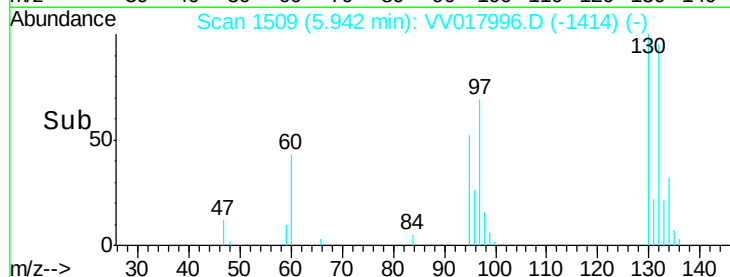
Abundance Ion 95.00 (94.70 to 95.70): VV017984.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV017984.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV017984.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV017984.D (-1494) (-)

Time-->



#35

Methylcyclohexane

Concen: 8.549 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017996.D

Acq: 14 Aug 2020 14:40

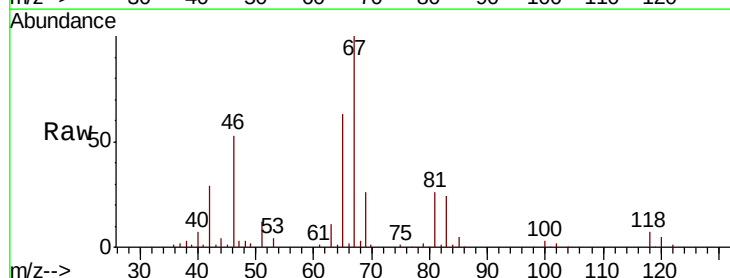
Tgt Ion: 83 Resp: 25734

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

98 1.4 38.7 58.1#

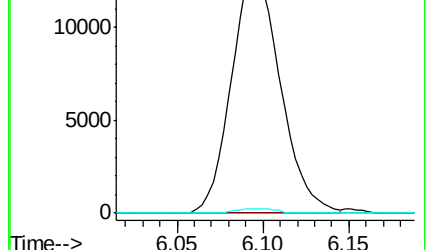
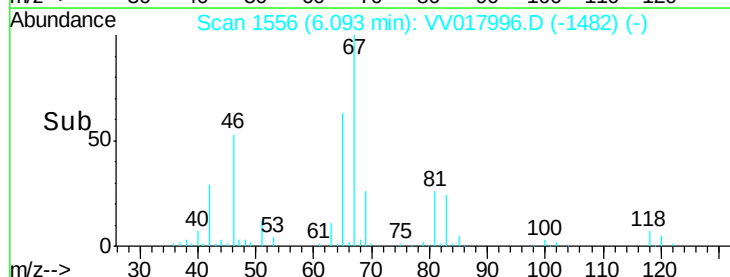


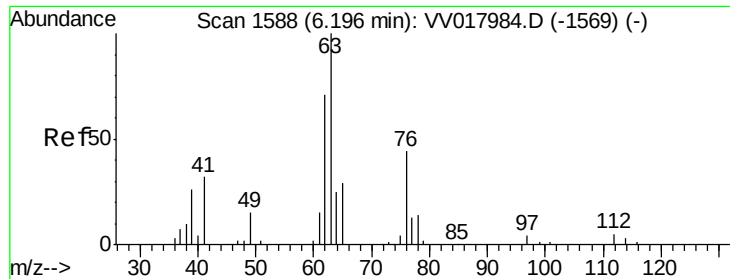
Abundance Ion 83.00 (82.70 to 83.70): VV017984.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV017984.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV017984.D (-1563) (-)

Time-->

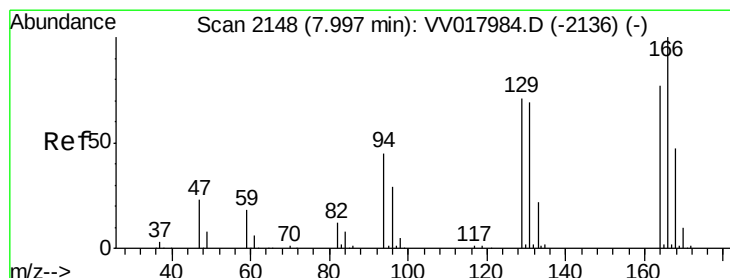
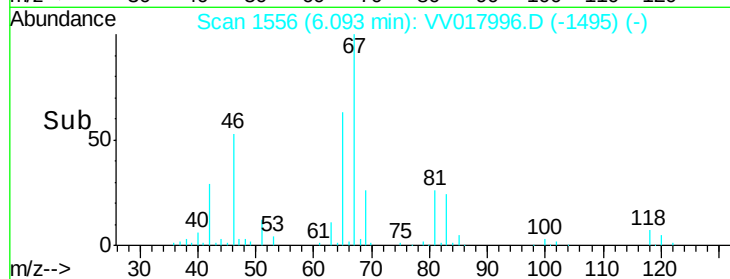
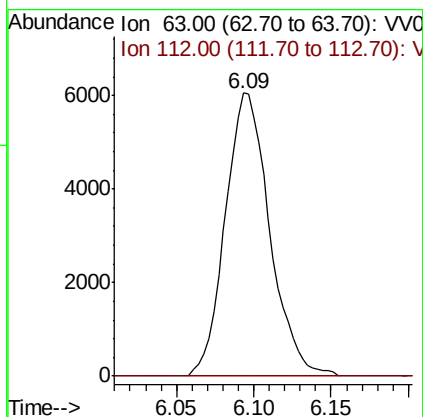
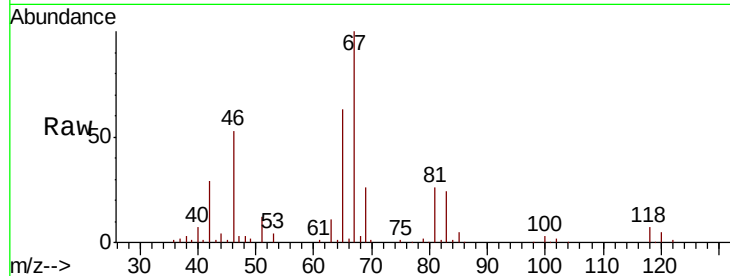




#37
 1,2-Dichloropropane
 Concen: 5.780 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017996.D
 Acq: 14 Aug 2020 14:40

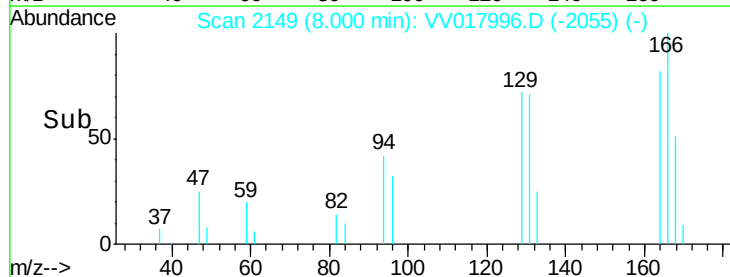
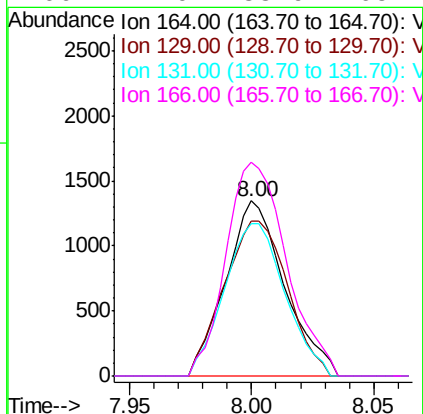
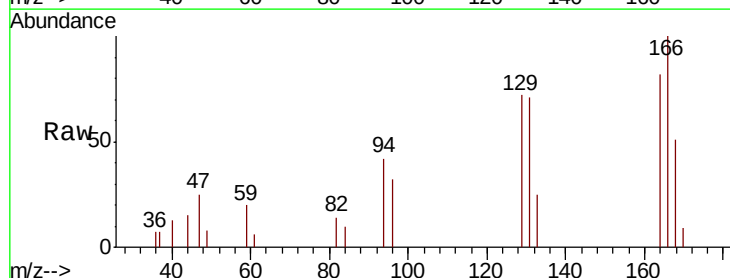
Instrument :
 MSVOA_V
 ClientSampleId :
 F4L71

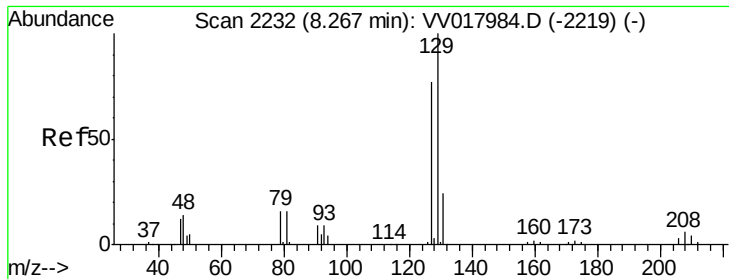
Tot Ion: 63 Resp: 12073
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#46
 Tetrachloroethene
 Concen: 1.526 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV017996.D
 Acq: 14 Aug 2020 14:40

Tgt Ion: 164 Resp: 2265
 Ion Ratio Lower Upper
 164 100
 129 88.2 64.8 120.3
 131 86.7 64.5 119.9
 166 122.0 88.9 165.1





#49

Dibromochloromethane

Concen: 1.139 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV017996.D

Acq: 14 Aug 2020 14:40

Instrument :

MSVOA_V

ClientSampled :

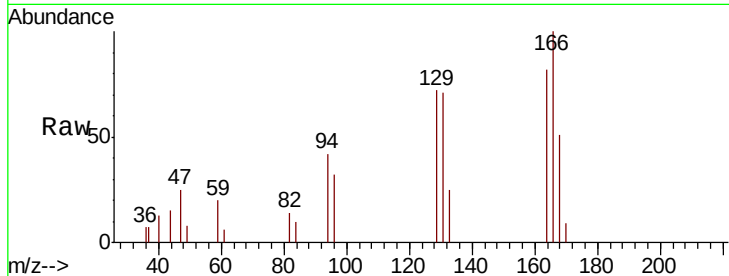
F4L71

Tot Ion:129 Resp: 2151

Ion Ratio Lower Upper

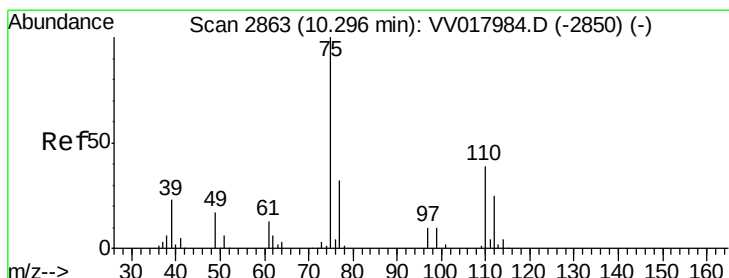
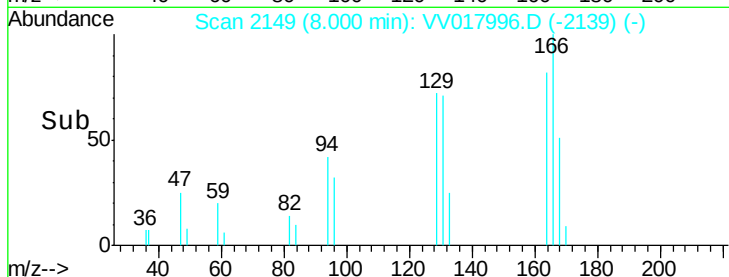
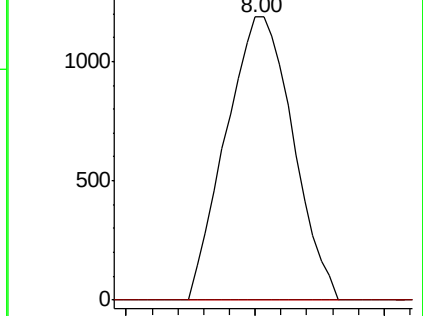
129 100

127 0.0 54.9 101.9#



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: 5.344 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV017996.D

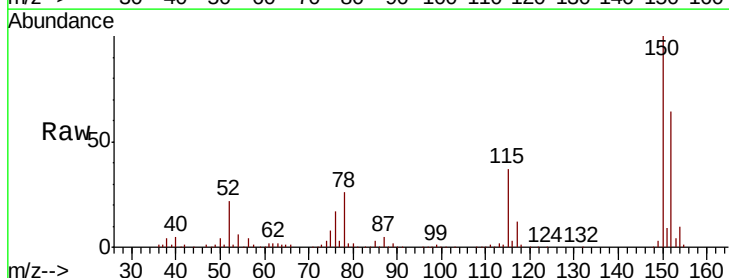
Acq: 14 Aug 2020 14:40

Tgt Ion: 75 Resp: 13785

Ion Ratio Lower Upper

75 100

77 36.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

