

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080620\
 Data File : VV017816.D
 Acq On : 06 Aug 2020 16:00
 Operator : SY/MD
 Sample : L3590-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L55

Quant Time: Aug 07 05:31:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 05:27:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	219639	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	217605	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	120318	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40647	37.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.90%
7) Chloroethane-d5	1.58	69	40162	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.84%
11) 1,1-Dichloroethene-d2	2.12	63	83172	32.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.62%
21) 2-Butanone-d5	3.90	46	73203	90.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.89%
24) Chloroform-d	4.38	84	131675	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
26) 1,2-Dichloroethane-d4	5.06	65	102394	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.78%
32) Benzene-d6	5.08	84	217757	42.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.09	67	57381	40.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.72%
41) Toluene-d8	7.34	98	225590	44.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.38%
43) trans-1,3-Dichloropropene-	7.64	79	22367	23.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	47.60%#
47) 2-Hexanone-d5	8.11	63	54314	88.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	91891	42.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	116171	49.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.38%

Target Compounds

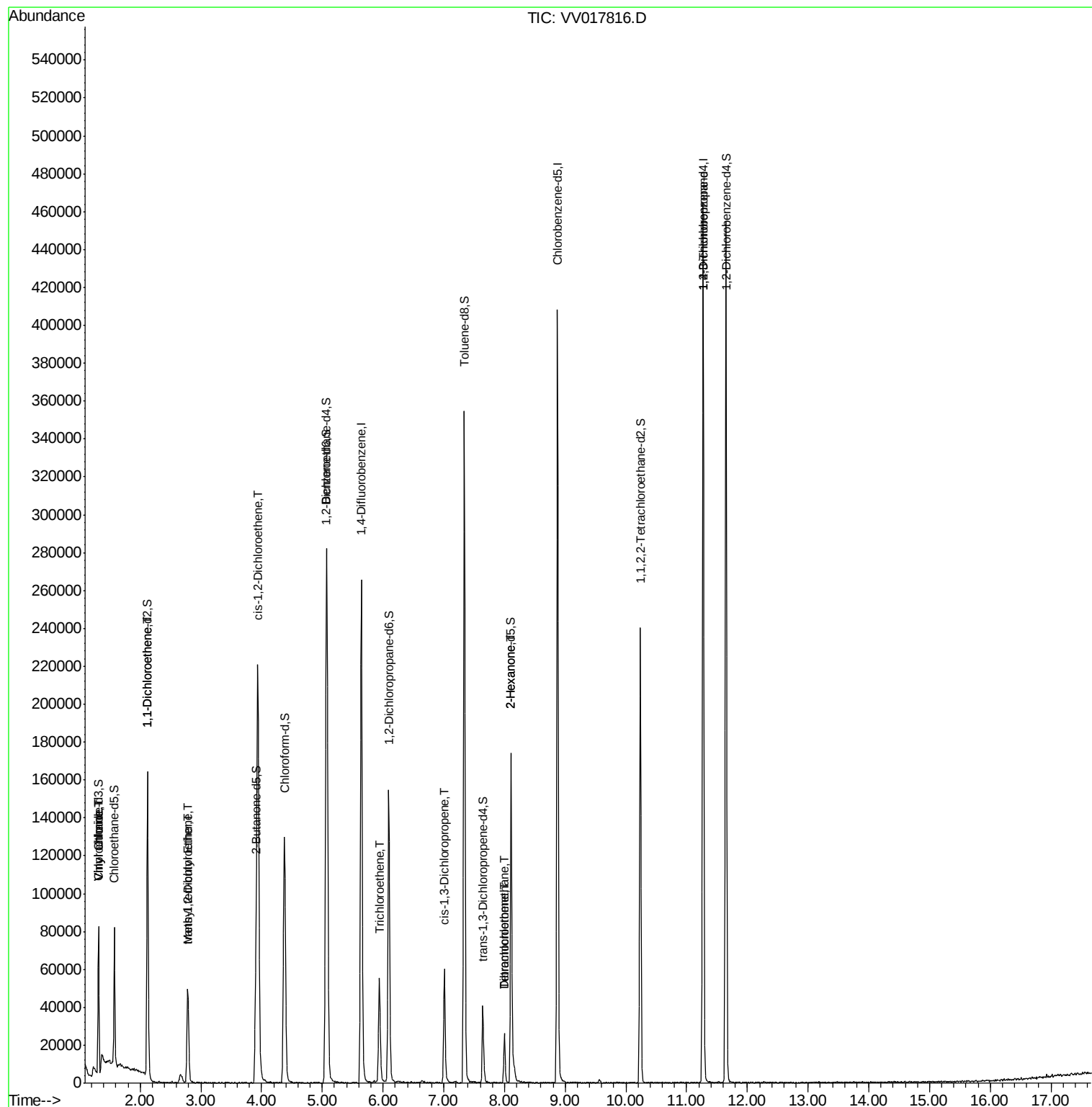
					Ovalue
5) Vinyl chloride	1.32	62	4387	2.816 ug/L #	20
8) Chloroethane	1.32	64	2414	2.559 ug/L	96
12) 1,1-Dichloroethene	2.12	96	1162	0.879 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	1222	0.820 ug/L	86
18) Methyl tert-butyl Ether	2.78	73	47648	9.725 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	118605	74.496 ug/L	97
34) Trichloroethene	5.94	95	16587	9.888 ug/L	99
39) cis-1,3-Dichloropropene	7.01	75	1937	0.780 ug/L	94
46) Tetrachloroethene	8.00	164	5736	3.860 ug/L	84
48) 2-Hexanone	8.11	43	8154	5.436 ug/L #	67
49) Dibromochloromethane	8.00	129	5321	2.640 ug/L #	12
59) 1,2,3-Trichloropropane	11.27	75	10526	5.347 ug/L #	67

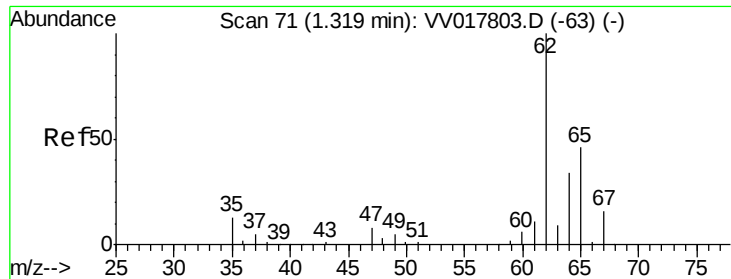
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 07 05:27:52 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.816 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampled :

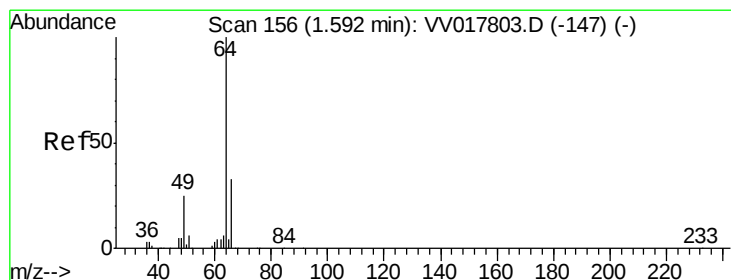
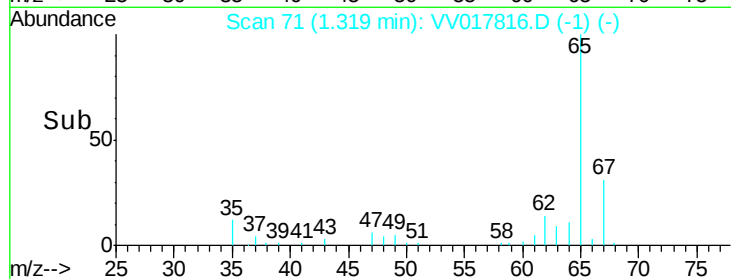
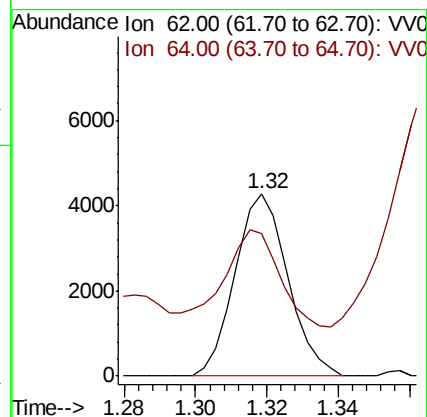
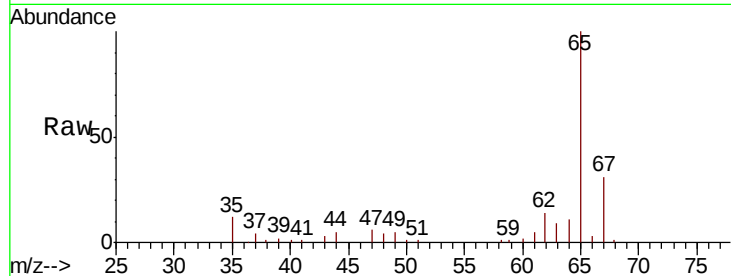
F2L55

Tot Ion: 62 Resp: 4387

Ion Ratio Lower Upper

62 100

64 77.8 22.9 42.5#



#8

Chloroethane

Concen: 2.559 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.28 min

Lab File: VV017816.D

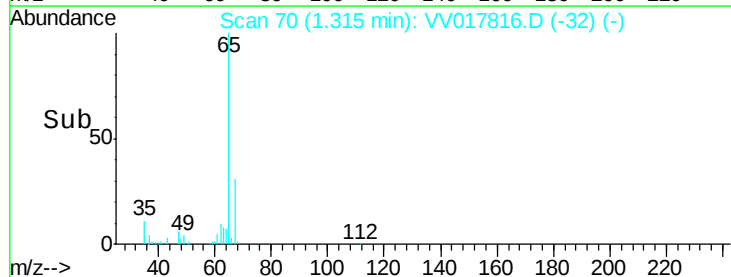
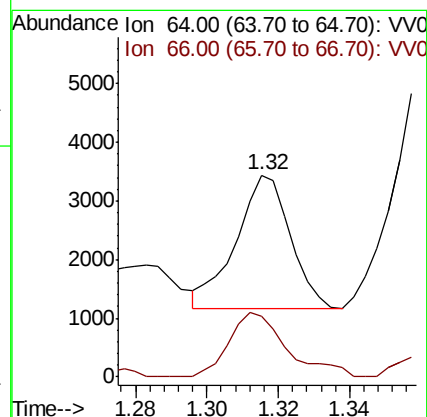
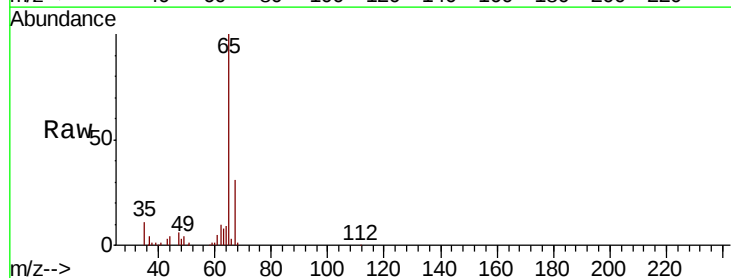
Acq: 06 Aug 2020 16:00

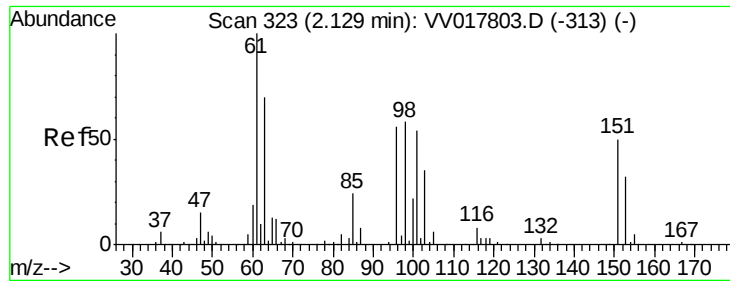
Tgt Ion: 64 Resp: 2414

Ion Ratio Lower Upper

64 100

66 29.8 22.3 41.3





#12

1,1-Dichloroethene

Concen: 0.879 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampled :

F2L55

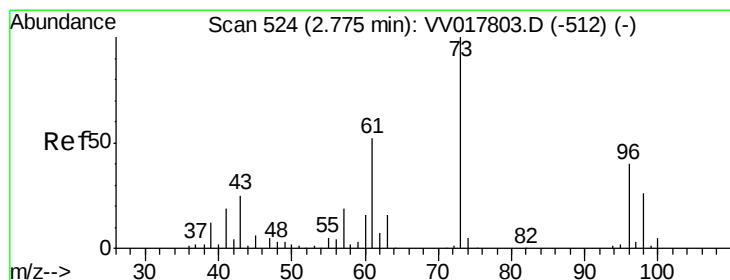
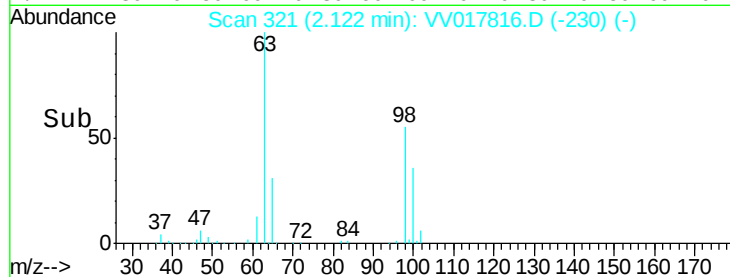
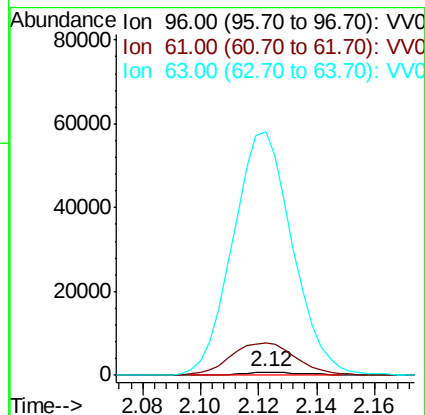
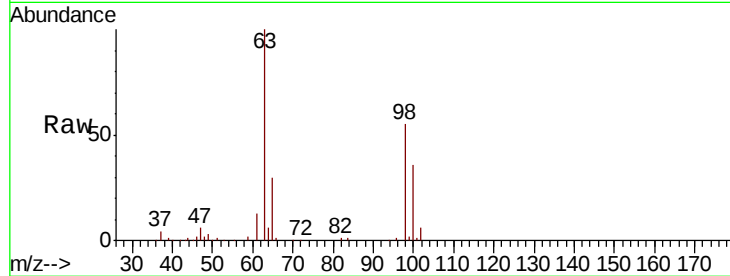
Tot Ion: 96 Resp: 1162

Ion Ratio Lower Upper

96 100

61 1042.1 131.0 243.2#

63 7755.4 88.5 164.3#



#17

trans-1,2-Dichloroethene

Concen: 0.820 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

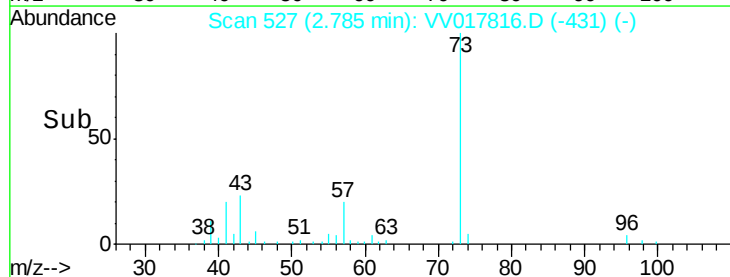
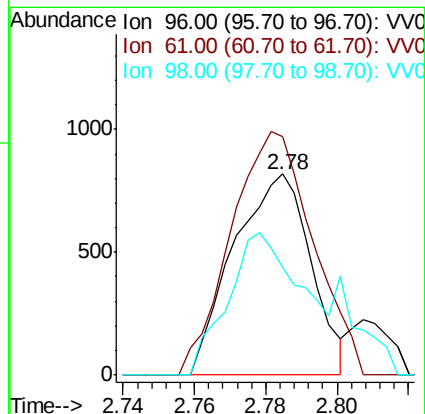
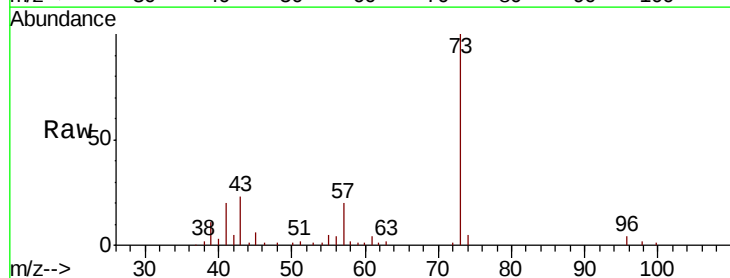
Tgt Ion: 96 Resp: 1222

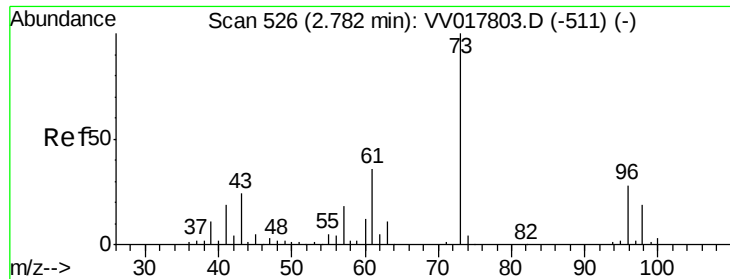
Ion Ratio Lower Upper

96 100

61 119.1 96.2 178.8

98 54.0 43.2 80.2

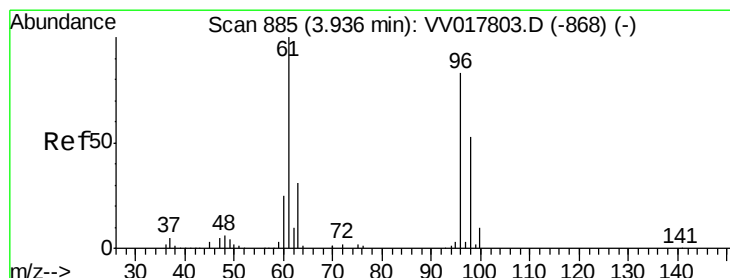
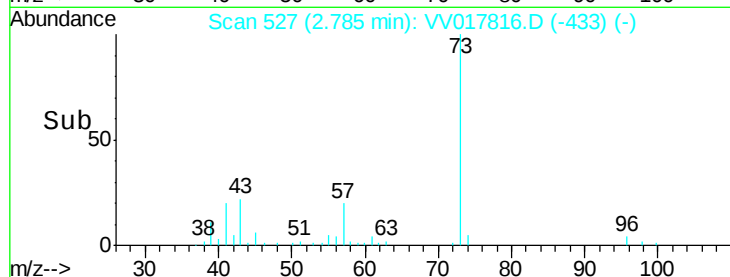
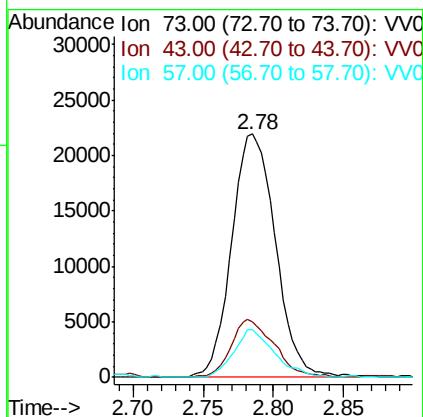
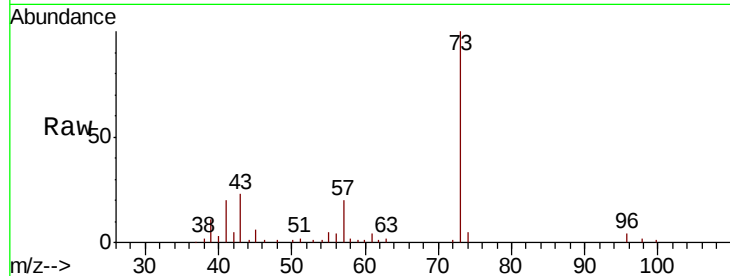




#18
Methvl tert-butvl Ether
Concen: 9.725 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV017816.D
Acq: 06 Aug 2020 16:00

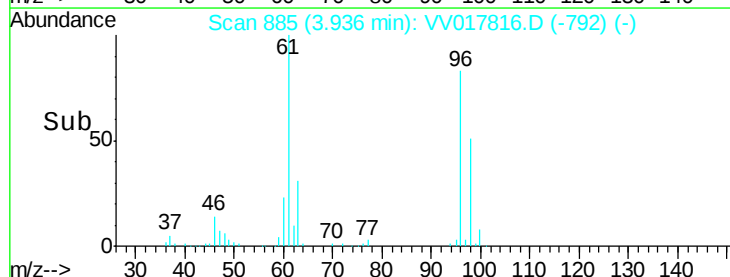
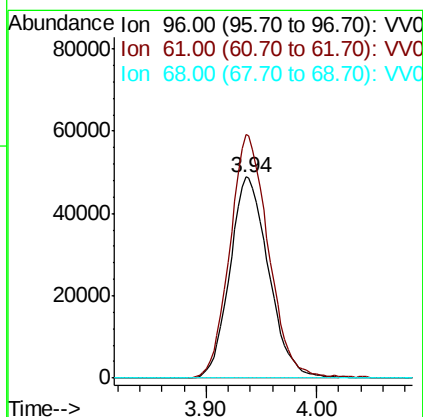
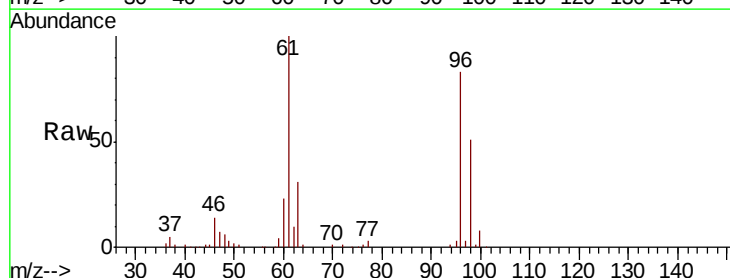
Instrument :
MSVOA_V
ClientSampleId :
F2L55

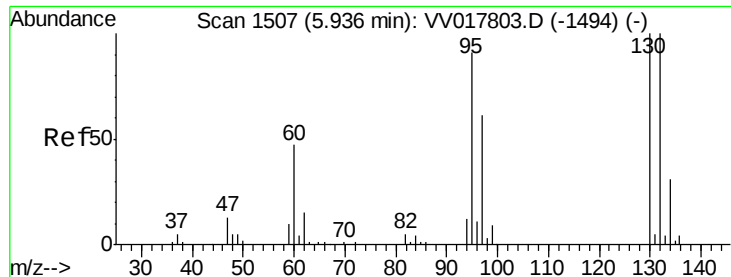
Tot Ion: 73 Resp: 47648
Ion Ratio Lower Upper
73 100
43 23.4 18.1 27.1
57 18.2 16.0 24.0



#20
cis-1,2-Dichloroethene
Concen: 74.496 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV017816.D
Acq: 06 Aug 2020 16:00

Tgt Ion: 96 Resp: 118605
Ion Ratio Lower Upper
96 100
61 121.0 87.3 162.1
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 9.888 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampleId :

F2L55

Tot Ion: 95 Resp: 16587

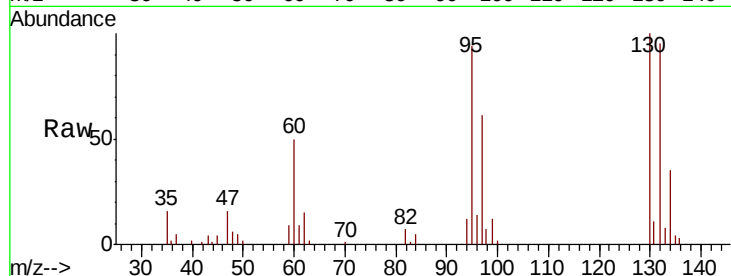
Ion Ratio Lower Upper

95 100

97 64.6 45.3 84.1

132 101.3 71.4 132.6

130 106.8 75.3 139.9

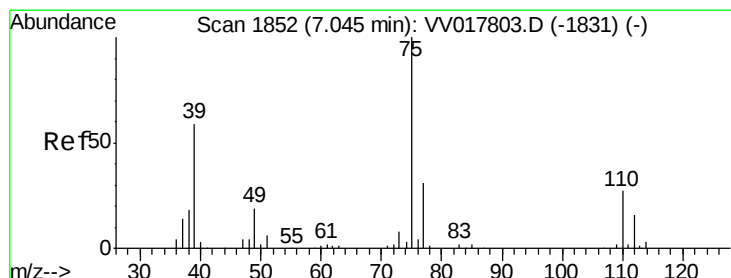
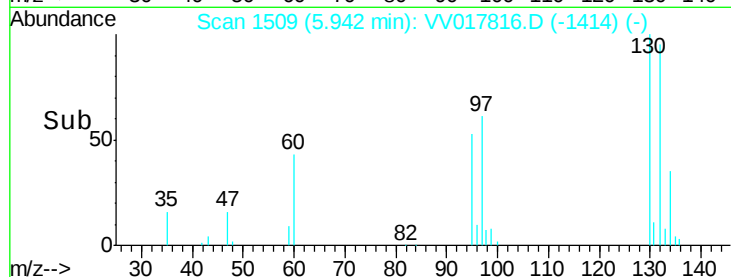
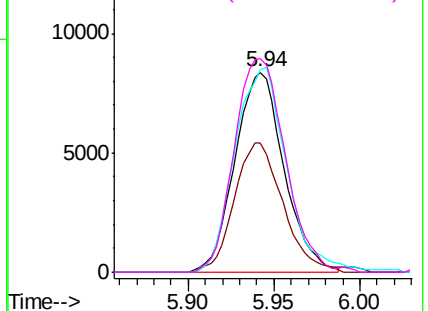


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#39

cis-1,3-Dichloropropene

Concen: 0.780 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017816.D

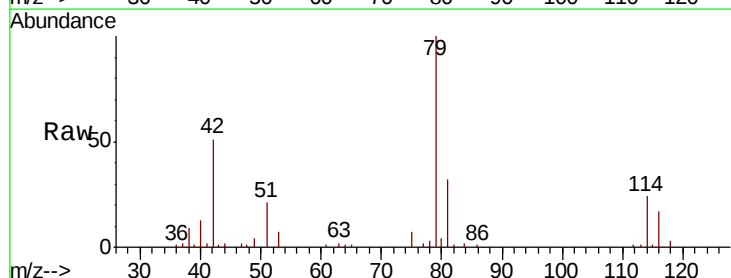
Acq: 06 Aug 2020 16:00

Tgt Ion: 75 Resp: 1937

Ion Ratio Lower Upper

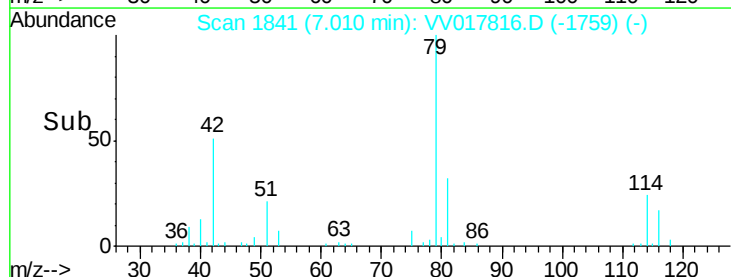
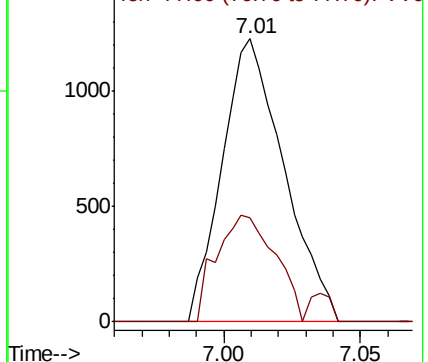
75 100

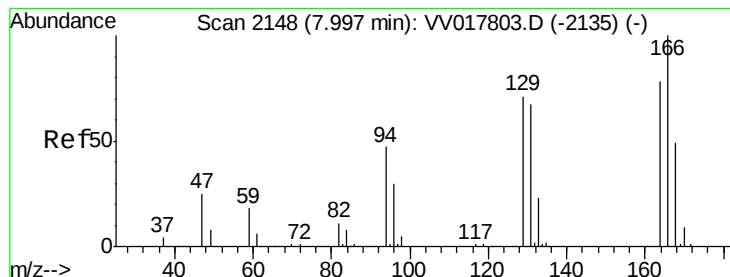
77 36.7 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#46

Tetrachloroethene

Concen: 3.860 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

Instrument :

MSVOA_V

ClientSampleId :

F2L55

Tot Ion:164 Resp: 5736

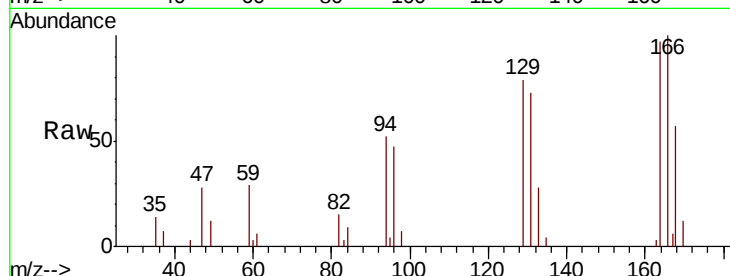
Ion Ratio Lower Upper

164 100

129 81.7 63.9 118.7

131 75.1 62.6 116.3

166 103.0 88.3 164.1

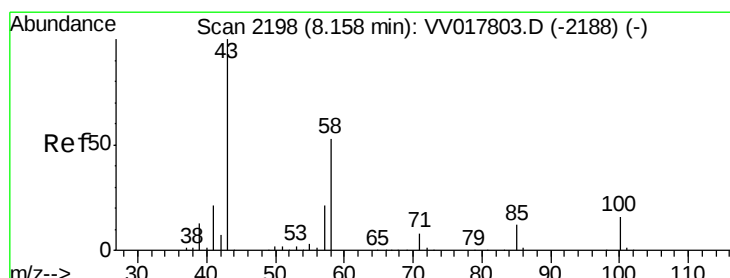
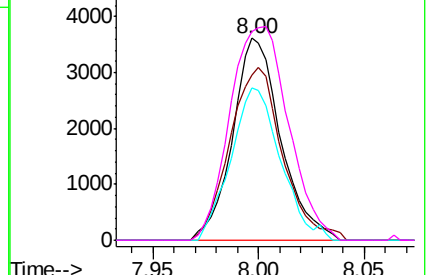
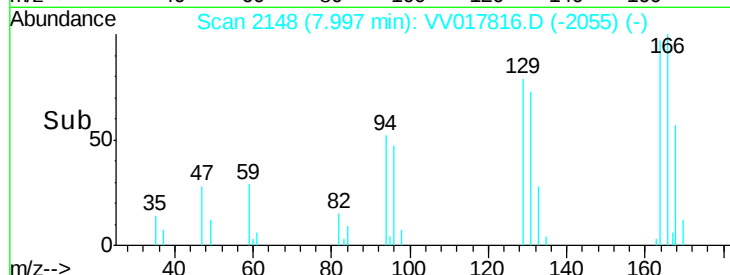


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.436 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV017816.D

Acq: 06 Aug 2020 16:00

Tgt Ion: 43 Resp: 8154

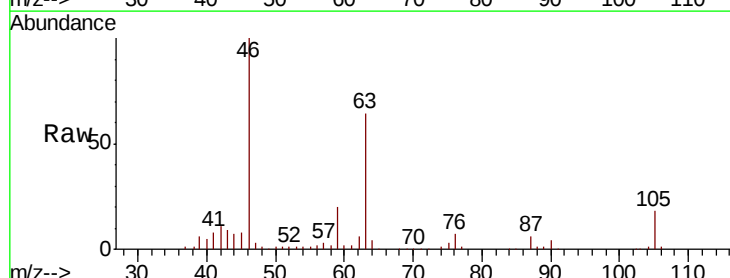
Ion Ratio Lower Upper

43 100

58 25.4 42.8 64.2#

57 28.4 16.6 24.8#

100 0.0 11.6 17.4#

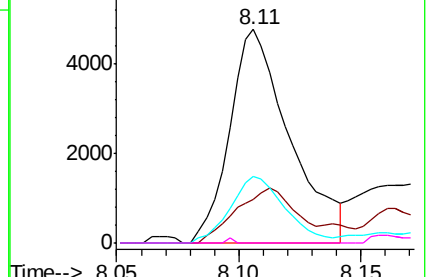
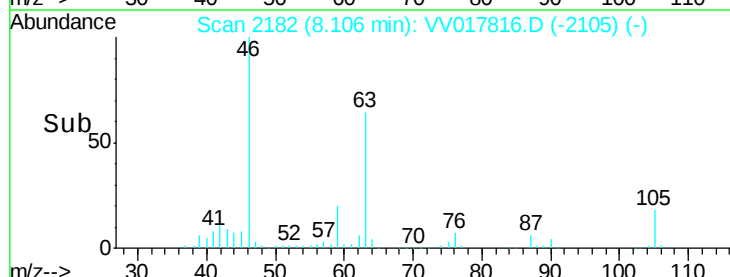


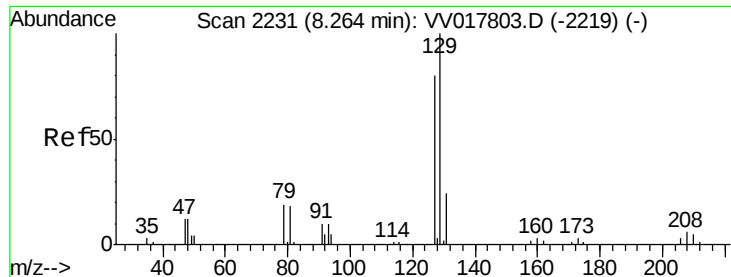
Abundance Ion 43.00 (42.70 to 43.70): VV0

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

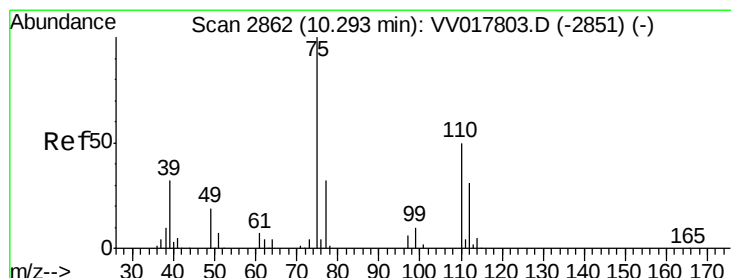
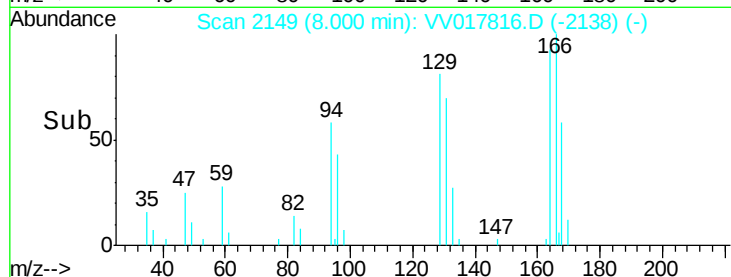
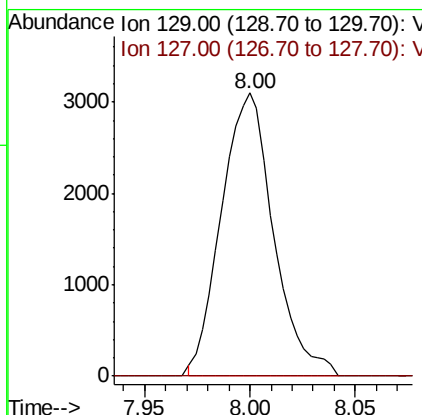
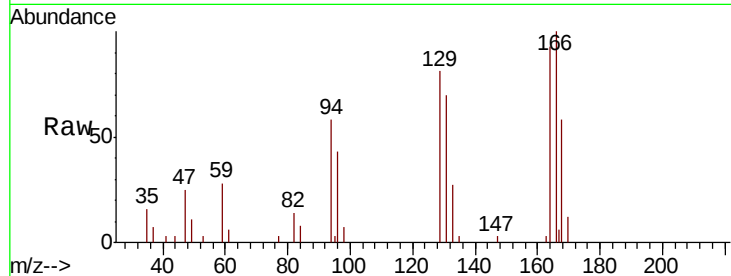




#49
Dibromochloromethane
Concen: 2.640 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.26 min
Lab File: VV017816.D
Acq: 06 Aug 2020 16:00

Instrument :
MSVOA_V
ClientSampleId :
F2L55

Tot Ion:129 Resp: 5321
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.8#



#59
1,2,3-Trichloropropane
Concen: 5.347 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV017816.D
Acq: 06 Aug 2020 16:00

Tgt Ion: 75 Resp: 10526
Ion Ratio Lower Upper
75 100
77 49.9 25.1 37.7#

