

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\
 Data File : VV018035.D
 Acq On : 17 Aug 2020 19:07
 Operator : SY/MD
 Sample : L3665-16DL 50X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L36DL

Quant Time: Aug 18 01:28:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 01:23:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	271654	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	267168	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127976	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88898	42.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.78%
7) Chloroethane-d5	1.58	69	78193	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.22%
11) 1,1-Dichloroethene-d2	2.12	63	134068	33.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.64%
21) 2-Butanone-d5	3.91	46	126328	93.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.06%
24) Chloroform-d	4.38	84	168657	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.06	65	115257	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
32) Benzene-d6	5.08	84	338986	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
36) 1,2-Dichloropropane-d6	6.09	67	109606	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.06%
41) Toluene-d8	7.34	98	294508	44.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.96%
43) trans-1,3-Dichloropropene-	7.64	79	48993	44.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.74%
47) 2-Hexanone-d5	8.11	63	60222	77.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	134415	42.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	123912	49.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

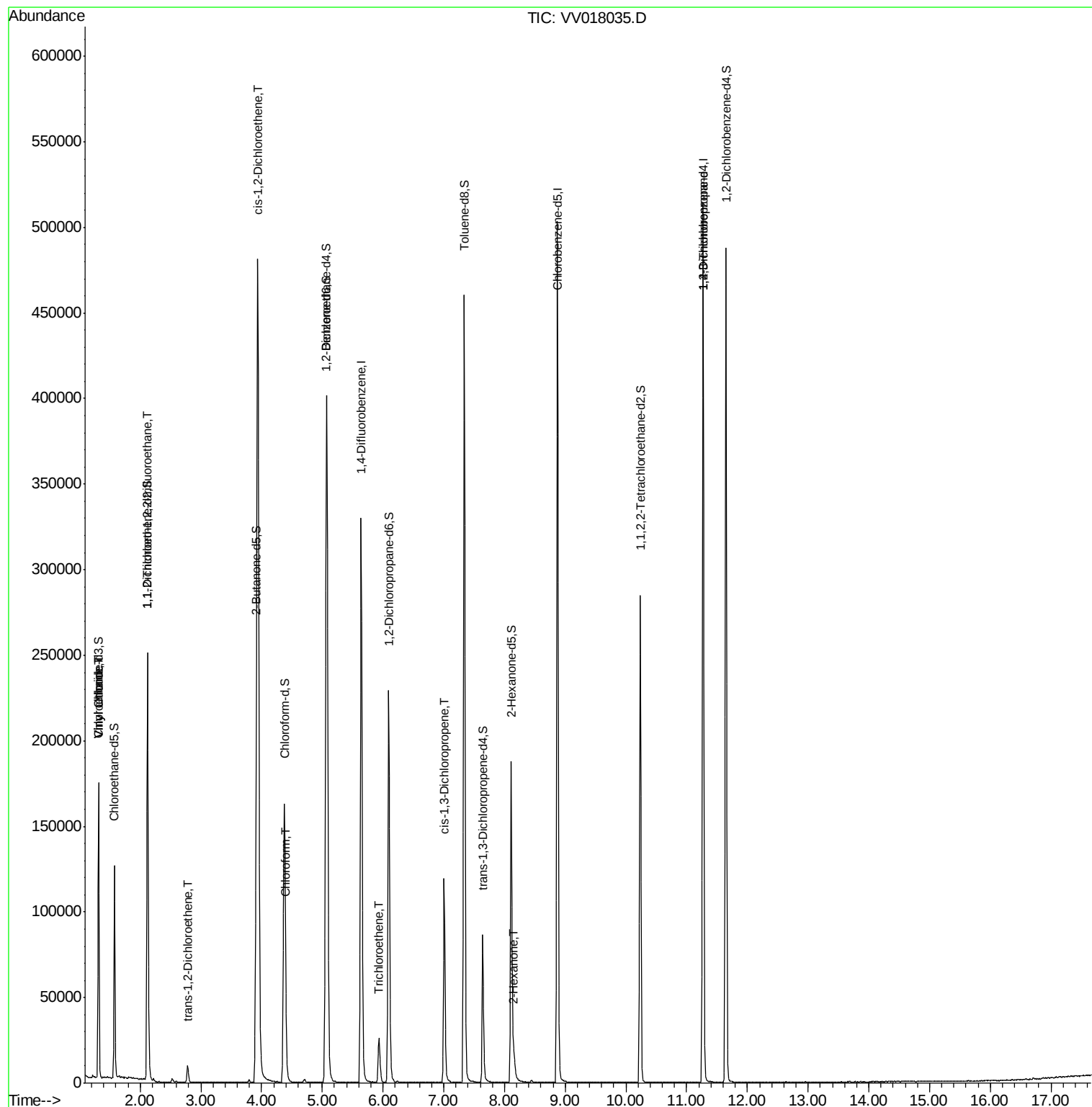
					Ovalue
5) Vinyl chloride	1.32	62	19100	7.913	ug/L 90
8) Chloroethane	1.32	64	7490	4.862	ug/L 89
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1237	0.643	ug/L # 20
17) trans-1,2-Dichloroethene	2.78	96	3360	1.794	ug/L 86
20) cis-1,2-Dichloroethene	3.94	96	250467	121.679	ug/L 99
25) Chloroform	4.41	83	4799	1.249	ug/L 98
34) Trichloroethene	5.94	95	4615	2.112	ug/L 97
39) cis-1,3-Dichloropropene	7.01	75	2922	0.914	ug/L # 64
48) 2-Hexanone	8.16	43	7216	3.037	ug/L # 82
59) 1,2,3-Trichloropropane	11.27	75	15548	5.585	ug/L 92

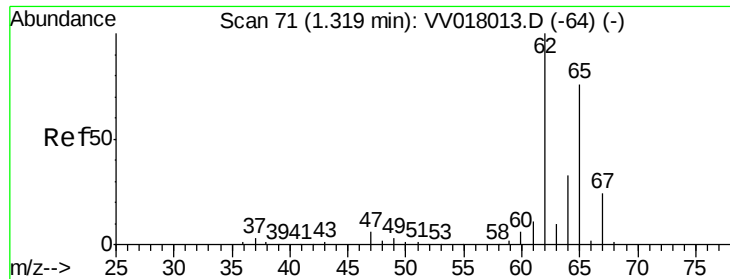
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 18 01:23:44 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.913 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018035.D

Acq: 17 Aug 2020 19:07

Instrument :

MSVOA_V

ClientSampleId :

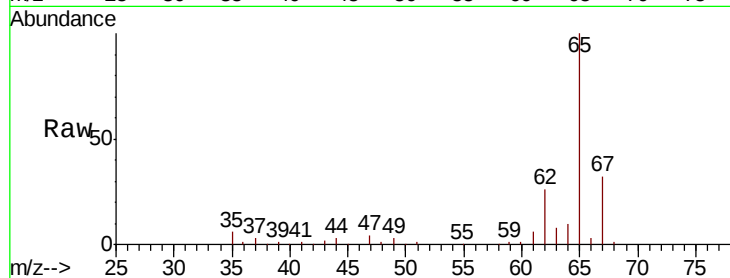
F4L36DL

Tot Ion: 62 Resp: 19100

Ion Ratio Lower Upper

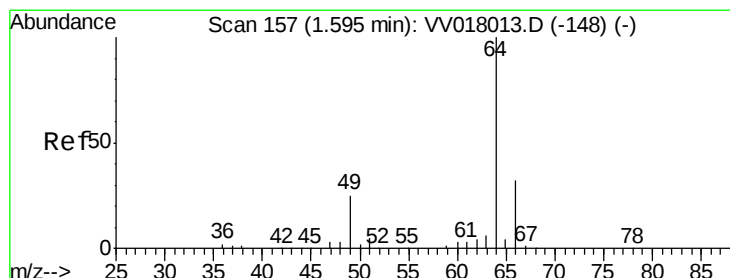
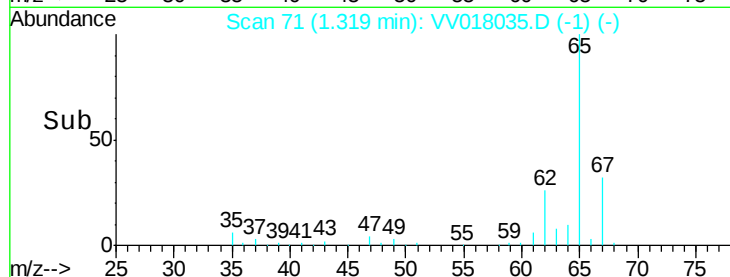
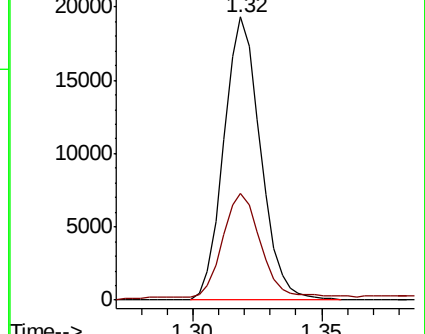
62 100

64 37.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 4.862 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV018035.D

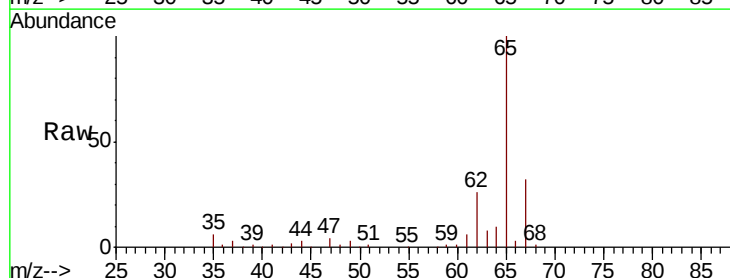
Acq: 17 Aug 2020 19:07

Tgt Ion: 64 Resp: 7490

Ion Ratio Lower Upper

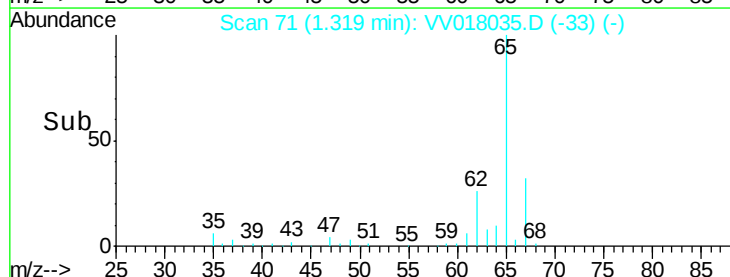
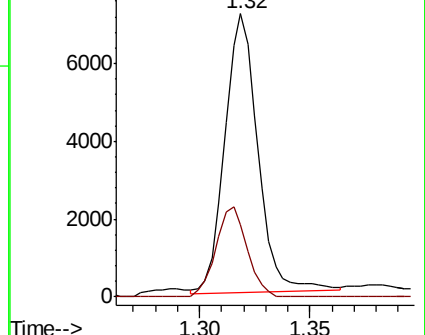
64 100

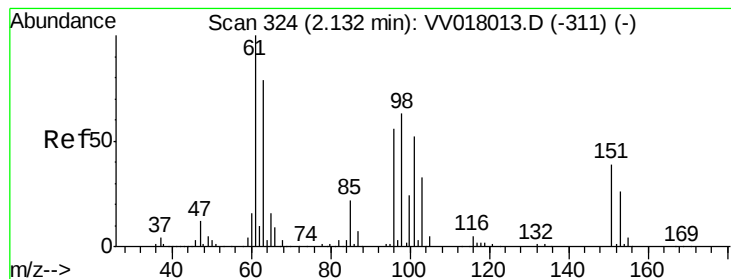
66 25.6 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.643 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018035.D

Acq: 17 Aug 2020 19:07

Instrument :

MSVOA_V

ClientSampleId :

F4L36DL

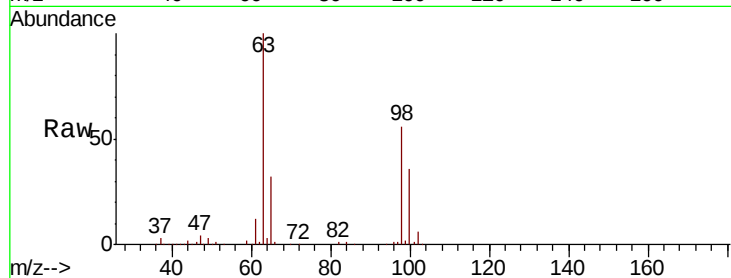
Tot Ion:101 Resp: 1237

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

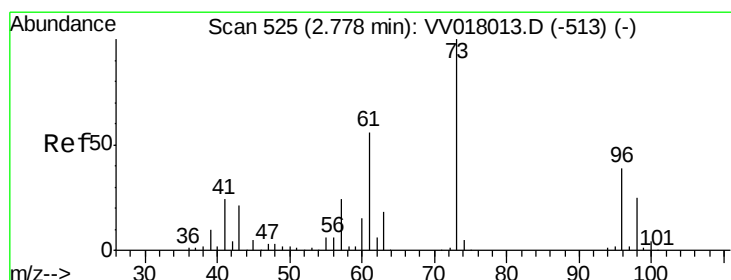
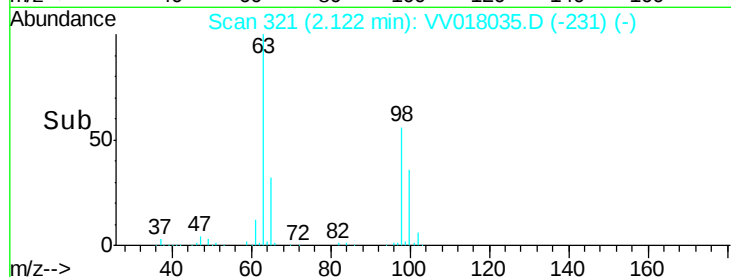
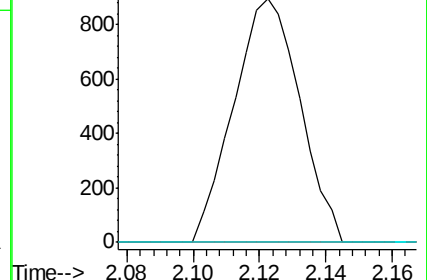
151 0.0 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#17

trans-1,2-Dichloroethene

Concen: 1.794 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018035.D

Acq: 17 Aug 2020 19:07

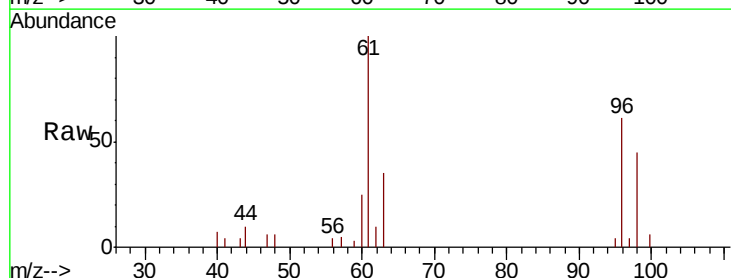
Tgt Ion: 96 Resp: 3360

Ion Ratio Lower Upper

96 100

61 164.3 102.4 190.2

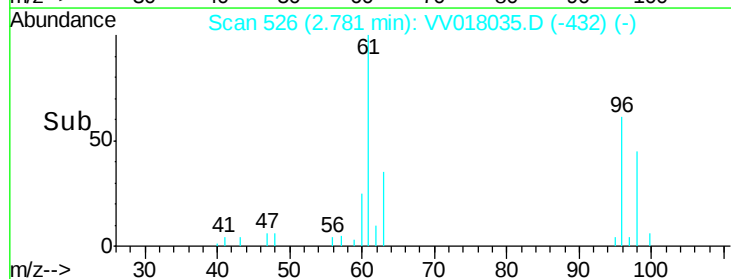
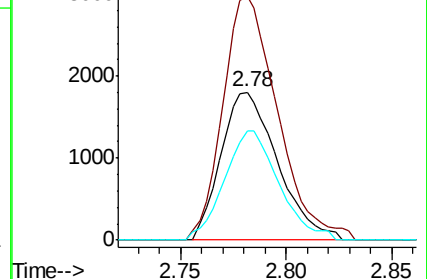
98 73.9 44.4 82.5

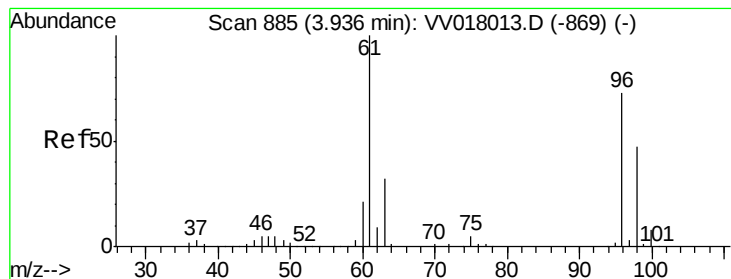


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



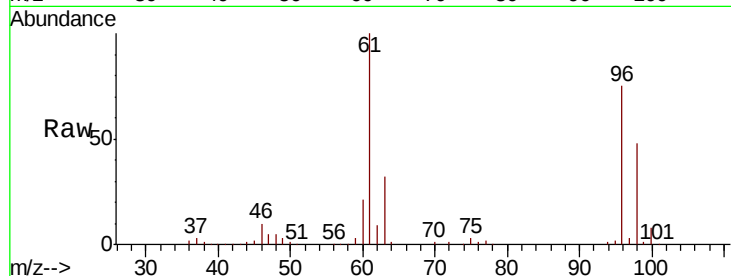


#20

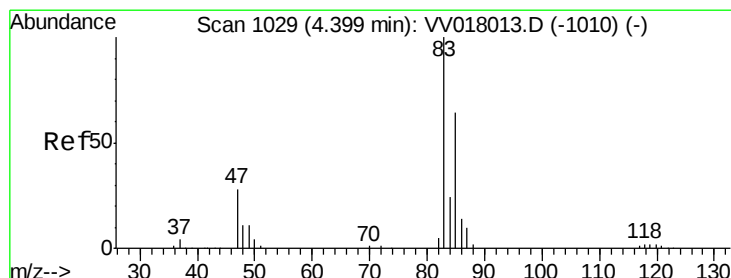
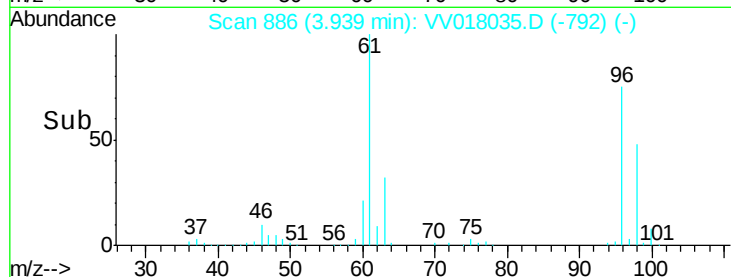
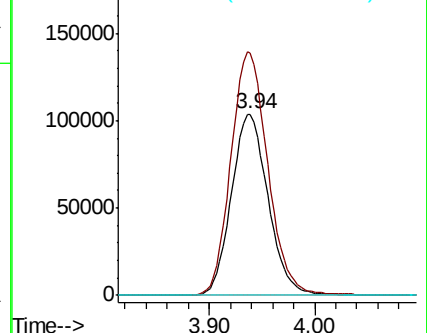
cis-1,2-Dichloroethene
 Concen: 121.679 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018035.D
 Acq: 17 Aug 2020 19:07

Instrument :
 MSVOA_V
 ClientSampleId :
 F4L36DL

Tot Ion: 96 Resp: 250467
 Ion Ratio Lower Upper
 96 100
 61 134.0 95.0 176.4
 68 0.0 0.0 0.0



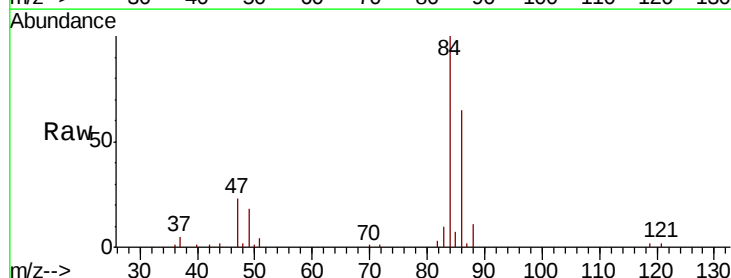
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



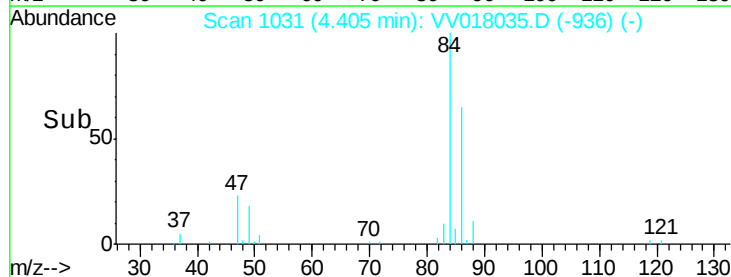
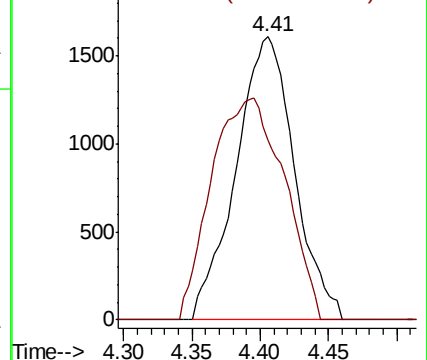
#25

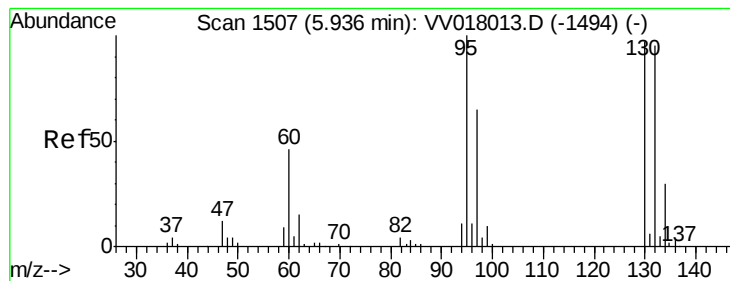
Chloroform
 Concen: 1.249 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VV018035.D
 Acq: 17 Aug 2020 19:07

Tgt Ion: 83 Resp: 4799
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 2.112 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018035.D

Acq: 17 Aug 2020 19:07

Instrument :

MSVOA_V

ClientSampleId :

F4L36DL

Tot Ion: 95 Resp: 4615

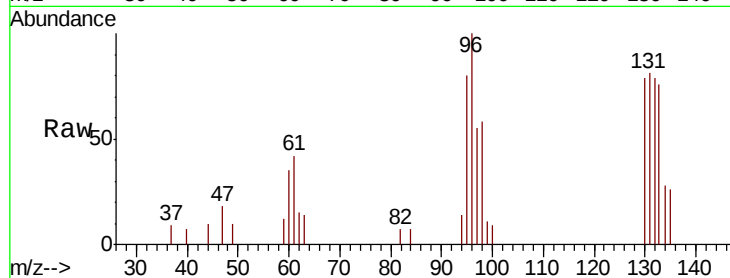
Ion Ratio Lower Upper

95 100

97 69.6 46.0 85.4

132 98.6 65.8 122.2

130 99.1 69.2 128.6



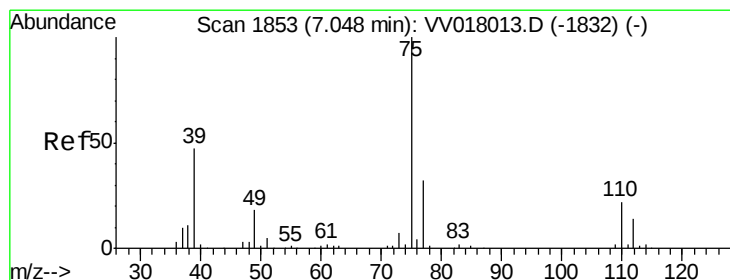
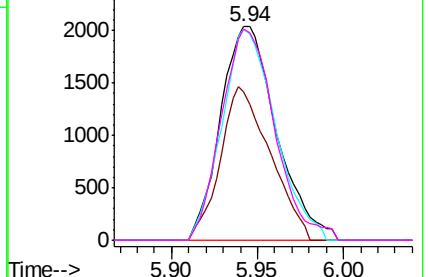
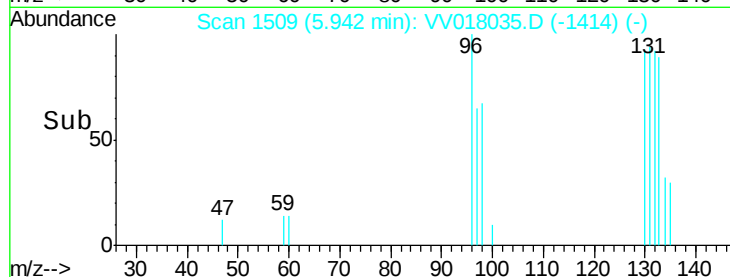
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.914 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018035.D

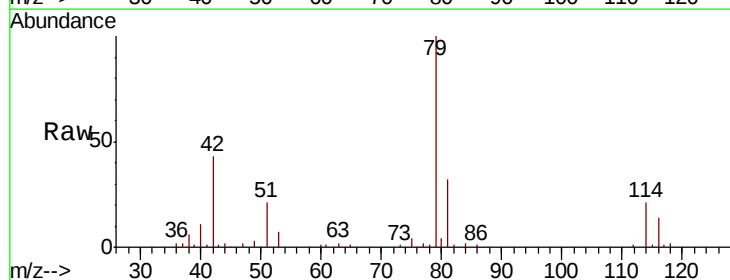
Acq: 17 Aug 2020 19:07

Tgt Ion: 75 Resp: 2922

Ion Ratio Lower Upper

75 100

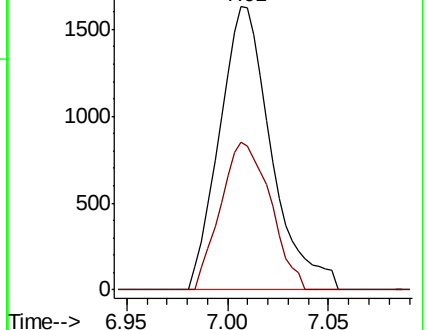
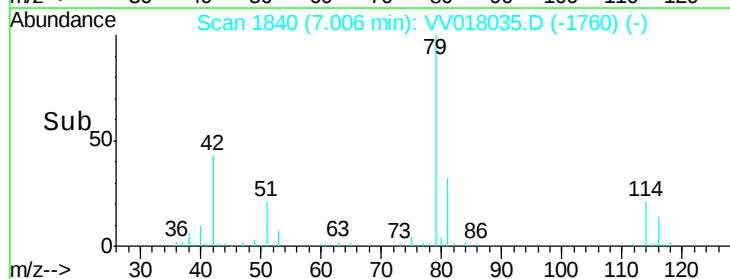
77 52.1 22.3 41.5#

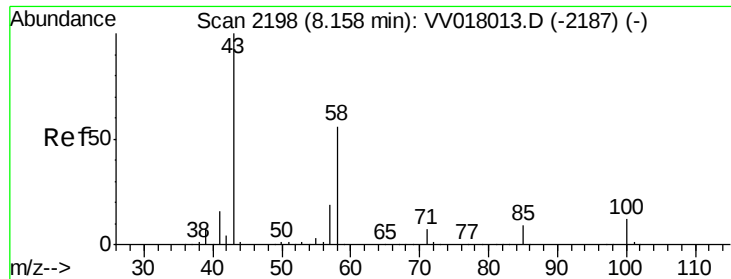


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Time-->

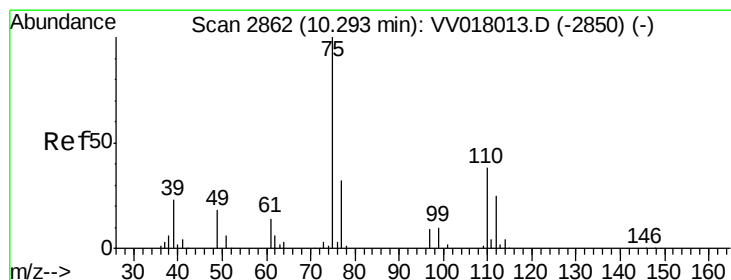
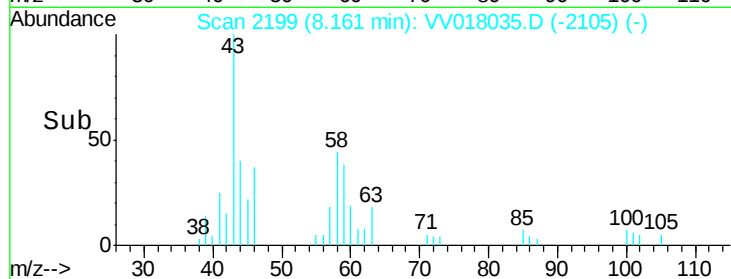
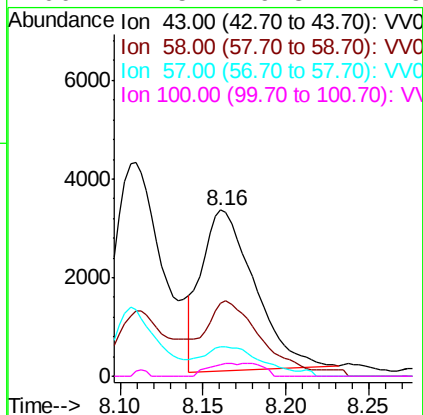
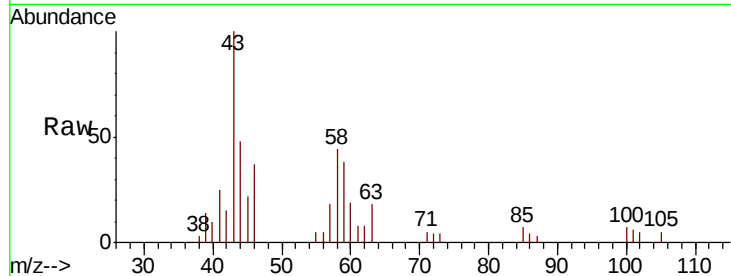




#48
2-Hexanone
Concen: 3.037 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018035.D
Acq: 17 Aug 2020 19:07

Instrument :
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F4L36DL

Tot Ion: 43 Resp: 7216
Ion Ratio Lower Upper
43 100
58 40.4 44.4 66.6#
57 14.4 15.2 22.8#
100 4.5 9.8 14.6#



#59
1,2,3-Trichloropropane
Concen: 5.585 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.98 min
Lab File: VV018035.D
Acq: 17 Aug 2020 19:07

Tgt Ion: 75 Resp: 15548
Ion Ratio Lower Upper
75 100
77 36.7 25.7 38.5

