

Data File : VV009689.D
Acq On : 15 Mar 2019 16:39
Operator : SY/MD
Sample : K1939-06
Misc : 5.59g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0S9

Quant Time: Mar 16 02:36:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 02:32:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	164718	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	164624	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71079	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39855	40.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.76%
7) Chloroethane-d5	1.55	69	24400	24.05	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	48.10%#
11) 1,1-Dichloroethene-d2	2.10	63	86359	33.58	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.16%
21) 2-Butanone-d5	3.95	46	72080	100.05	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.05%
24) Chloroform-d	4.40	84	98101	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
26) 1,2-Dichloroethane-d4	5.08	65	67632	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.00%
32) Benzene-d6	5.09	84	199207	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
36) 1,2-Dichloropropane-d6	6.12	67	62350	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.42%
41) Toluene-d8	7.36	98	194578	46.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.32%
43) trans-1,3-Dichloropropene-	7.67	79	28557	43.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.40%
47) 2-Hexanone-d5	8.14	63	60269	107.65	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.65%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	99545	48.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.82%
64) 1,2-Dichlorobenzene-d4	11.68	152	72740	48.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.02%

Target Compounds

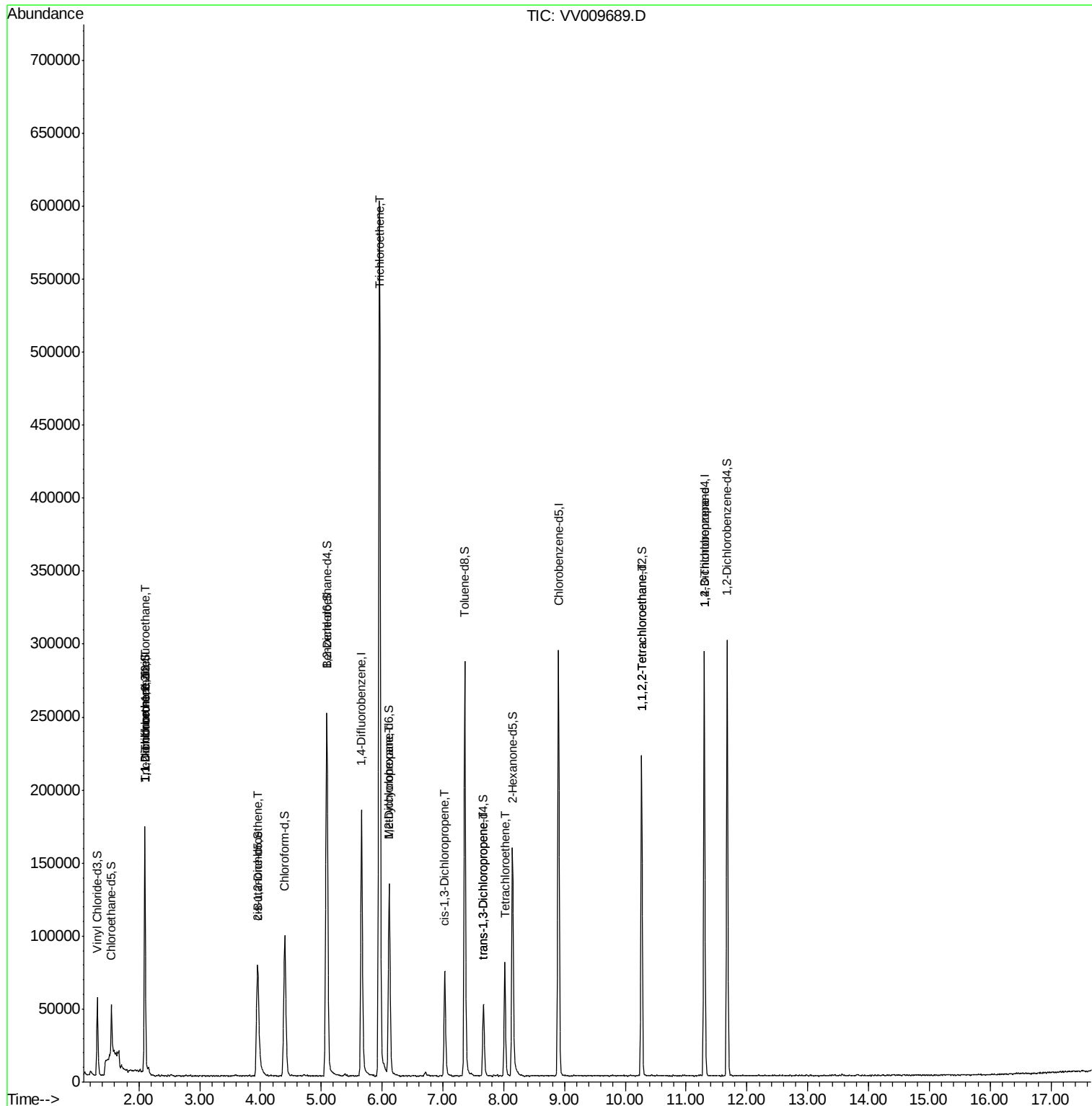
						Qvalue
9) Trichlorofluoromethane	2.10	101	814	0.362	ug/L #	34
10) 1,1,2-Trichloro-1,2,2-trif	2.10	101	814	0.653	ug/L #	19
12) 1,1-Dichloroethene	2.10	96	892	0.836	ug/L #	1
20) cis-1,2-Dichloroethene	3.96	96	24798	21.910	ug/L	97
34) Trichloroethene	5.96	95	203224	184.288	ug/L	98
35) Methylcyclohexane	6.12	83	15243	8.545	ug/L #	20
39) cis-1,3-Dichloropropene	7.03	75	2536	1.511	ug/L	91
44) trans-1,3-Dichloropropene	7.67	75	1840	1.167	ug/L	98
46) Tetrachloroethene	8.02	164	16178	18.660	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.27	83	675	0.352	ug/L #	1
59) 1,2,3-Trichloropropane	11.30	75	9774	6.845	ug/L	92

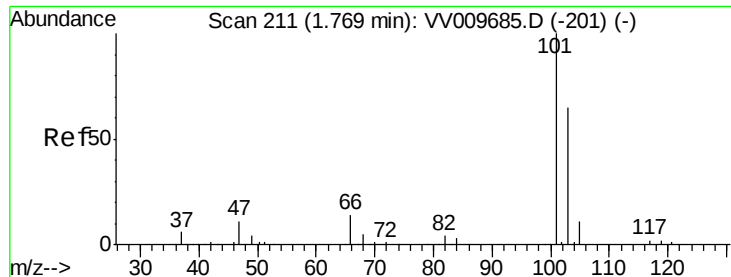
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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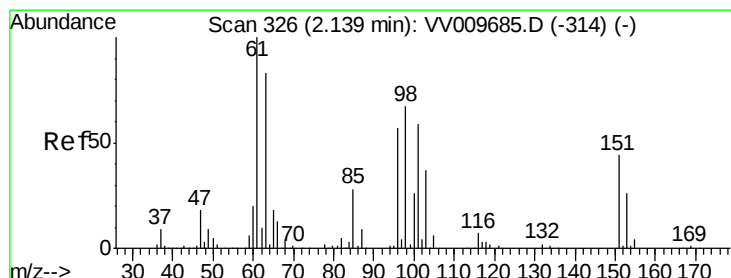
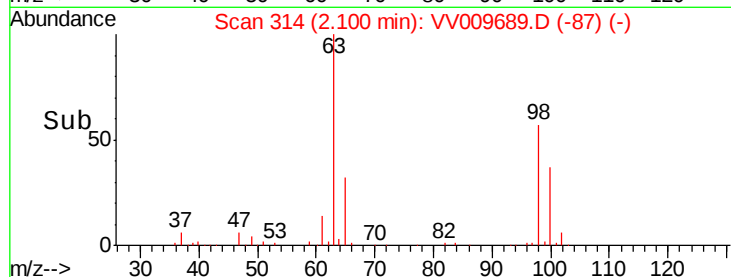
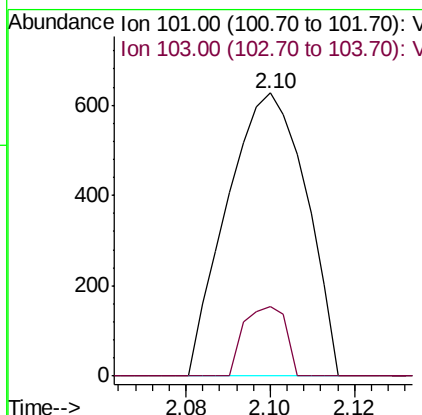
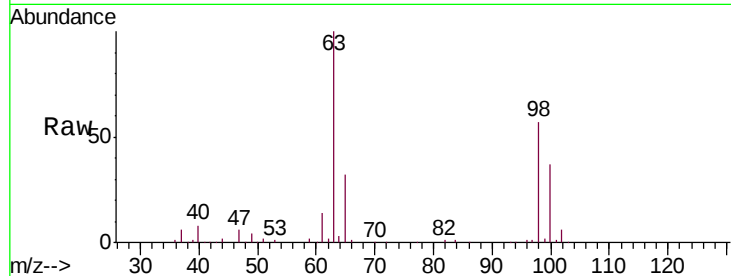


#9

Trichlorofluoromethane
 Concen: 0.362 ug/L
 RT: 2.10 min Scan# 314
 Delta R.T. 0.33 min
 Lab File: VV009689.D
 Acq: 15 Mar 2019 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0S9

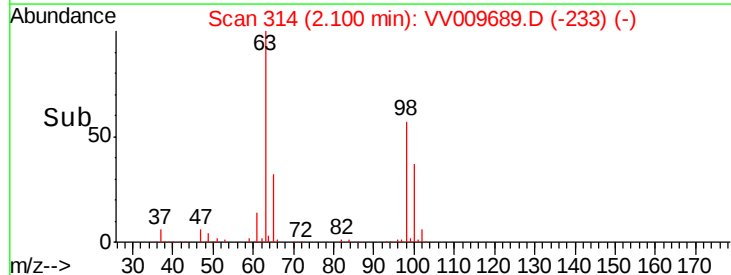
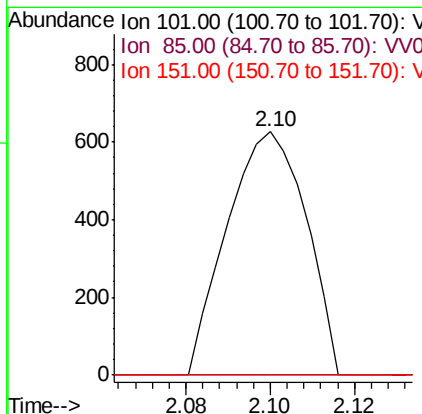
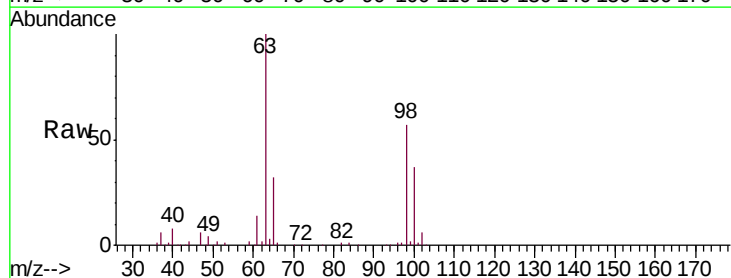
Tgt Ion:101 Resp: 814
 Ion Ratio Lower Upper
 101 100
 103 13.1 51.8 77.6#

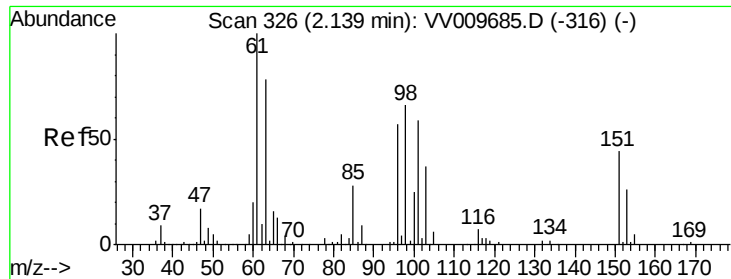


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.653 ug/L
 RT: 2.10 min Scan# 314
 Delta R.T. -0.04 min
 Lab File: VV009689.D
 Acq: 15 Mar 2019 16:39

Tgt Ion:101 Resp: 814
 Ion Ratio Lower Upper
 101 100
 85 0.0 37.8 56.6#
 151 0.0 59.6 89.4#

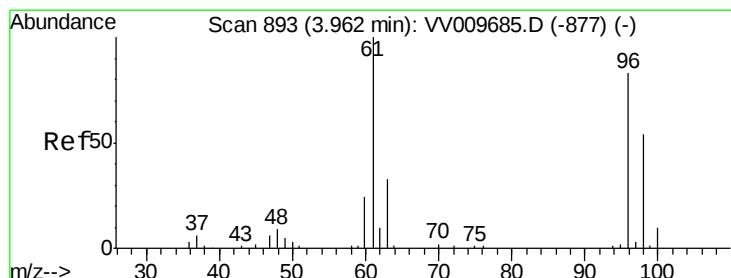
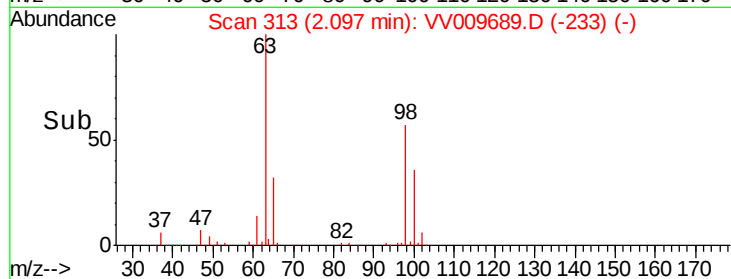
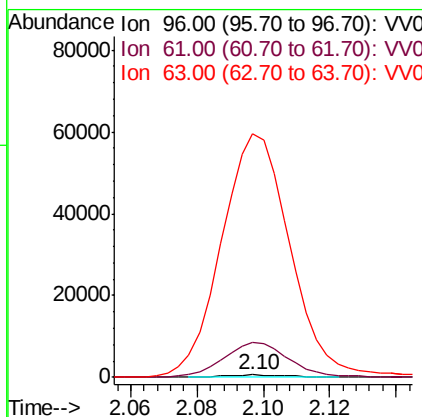
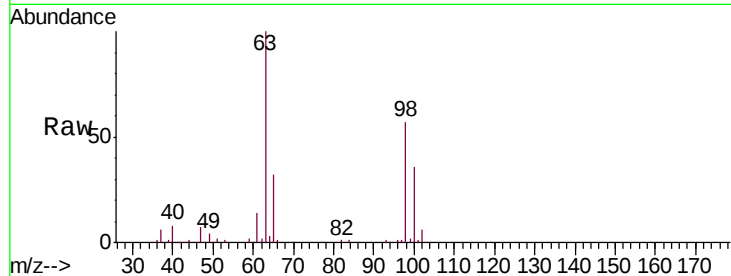




#12
 1,1-Dichloroethene
 Concen: 0.836 ug/L
 RT: 2.10 min Scan# 313
 Delta R.T. -0.04 min
 Lab File: VV009689.D
 Acq: 15 Mar 2019 16:39

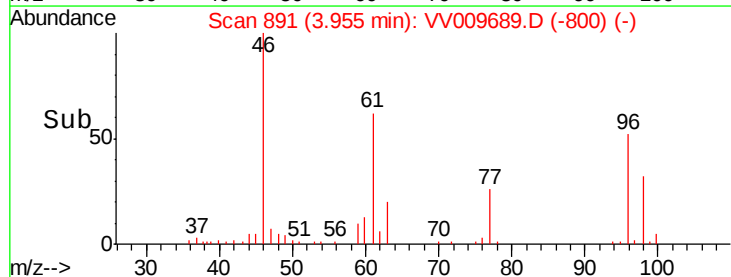
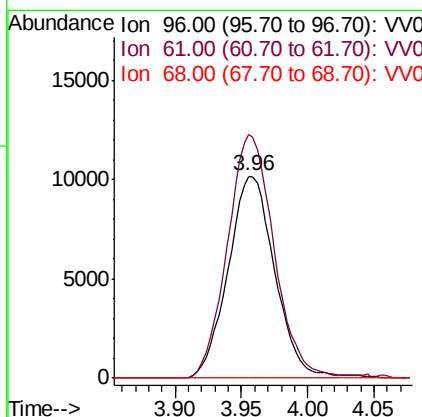
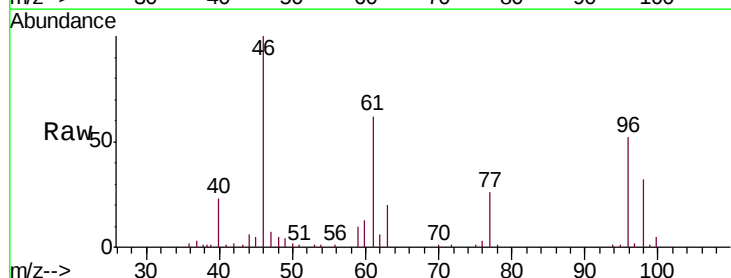
Instrument :
 MSVOA_V
 ClientSampleId :
 BF0S9

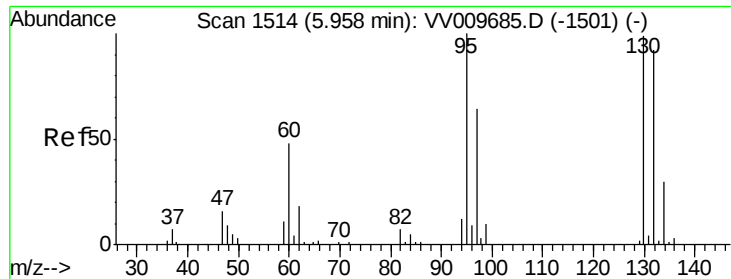
Tgt Ion: 96 Resp: 892
 Ion Ratio Lower Upper
 96 100
 61 1485.6 122.1 226.7#
 63 10316.8 107.6 199.8#



#20
 cis-1,2-Dichloroethene
 Concen: 21.910 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VV009689.D
 Acq: 15 Mar 2019 16:39

Tgt Ion: 96 Resp: 24798
 Ion Ratio Lower Upper
 96 100
 61 120.7 82.4 153.0
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 184.288 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009689.D

Acq: 15 Mar 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

BF0S9

Tgt Ion: 95 Resp: 203224

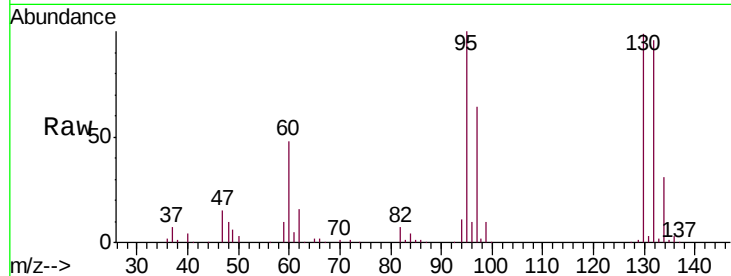
Ion Ratio Lower Upper

95 100

97 64.4 44.2 82.2

132 96.1 66.5 123.5

130 99.0 67.8 125.8

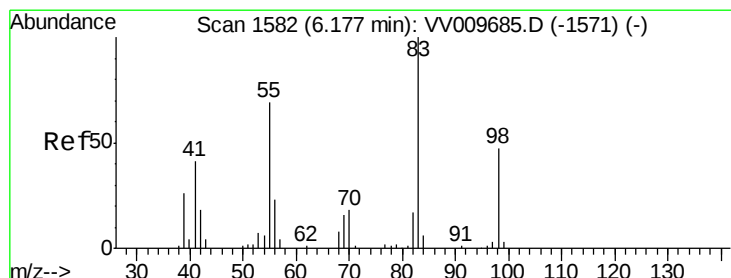
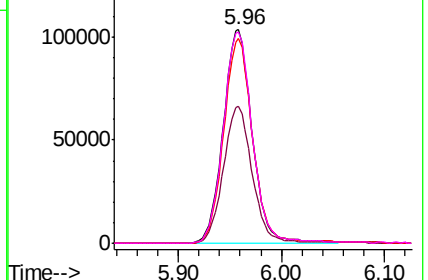
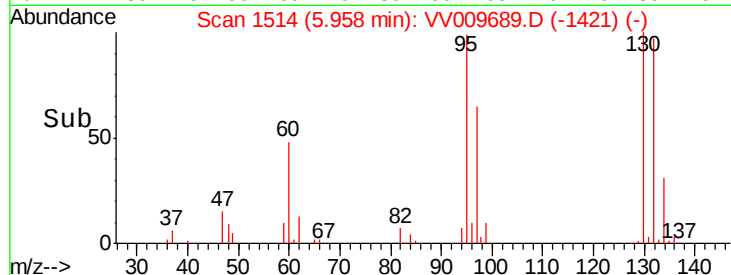


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 8.545 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV009689.D

Acq: 15 Mar 2019 16:39

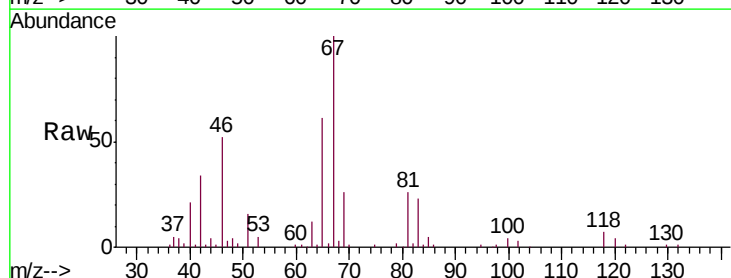
Tgt Ion: 83 Resp: 15243

Ion Ratio Lower Upper

83 100

55 0.0 57.9 86.9#

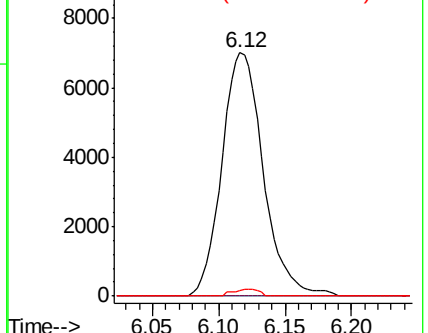
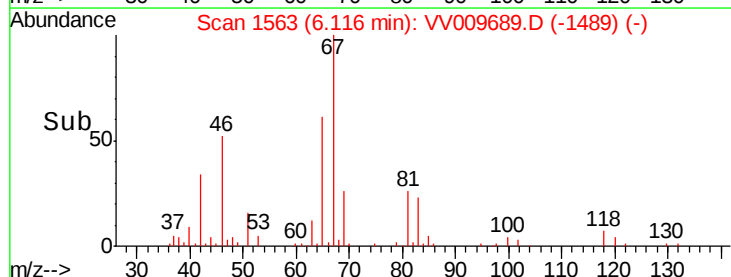
98 1.3 39.2 58.8#

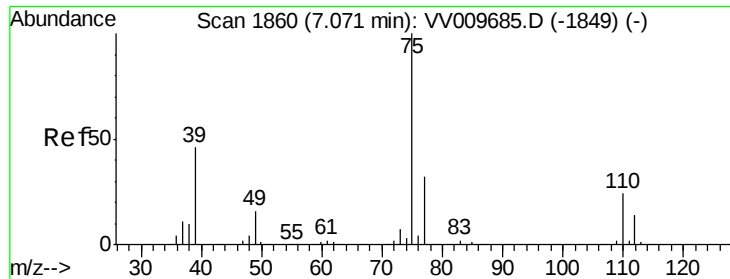


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

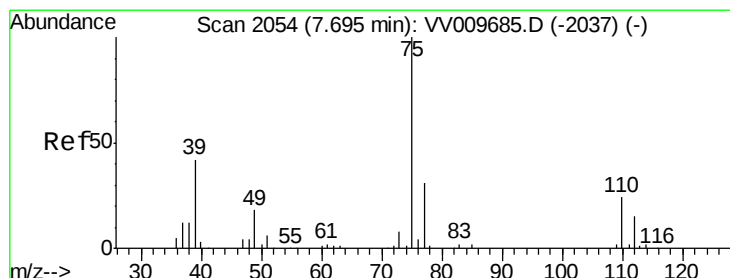
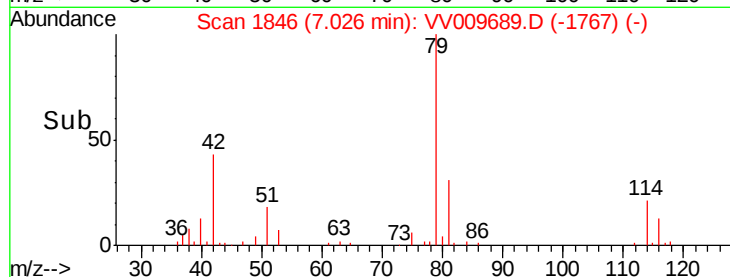
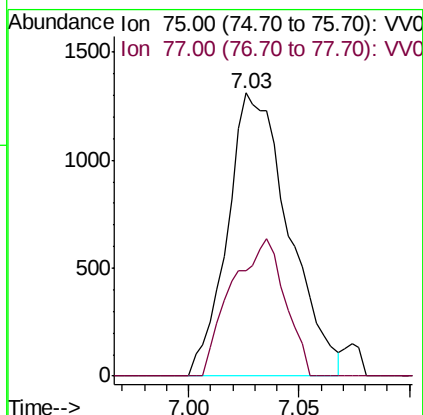
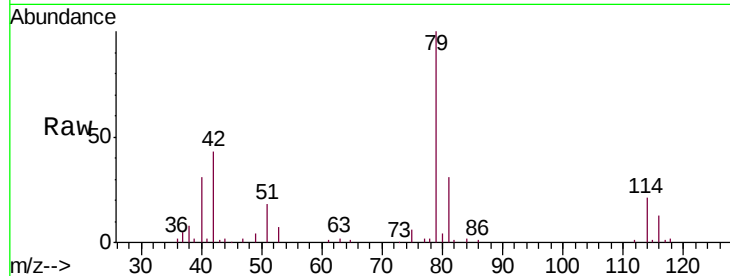




#39
 cis-1,3-Dichloropropene
 Concen: 1.511 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV009689.D
 Acq: 15 Mar 2019 16:39

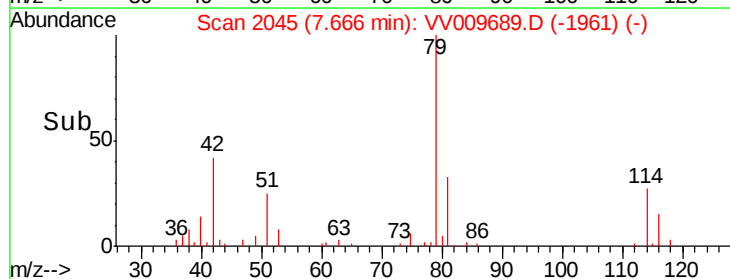
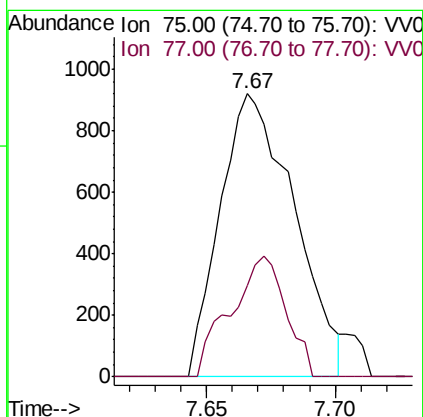
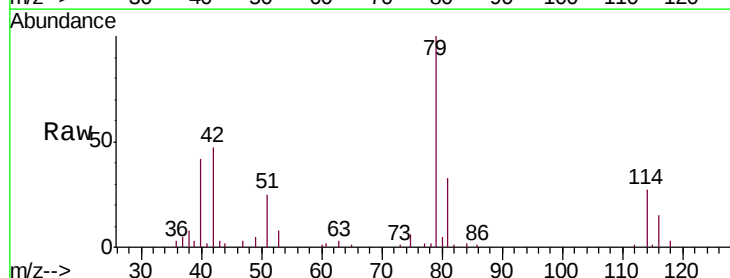
Instrument :
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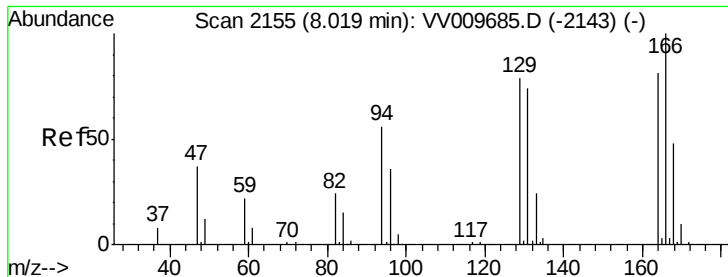
Tgt Ion: 75 Resp: 2536
 Ion Ratio Lower Upper
 75 100
 77 37.1 22.3 41.5



#44
 trans-1,3-Dichloropropene
 Concen: 1.167 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV009689.D
 Acq: 15 Mar 2019 16:39

Tgt Ion: 75 Resp: 1840
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.2





#46

Tetrachloroethene

Concen: 18.660 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009689.D

Acq: 15 Mar 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

BF0S9

Tgt Ion:164 Resp: 16178

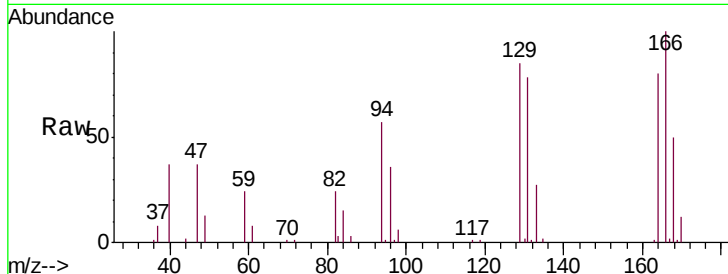
Ion Ratio Lower Upper

164 100

129 105.8 70.8 131.6

131 97.0 68.3 126.9

166 124.8 89.5 166.3

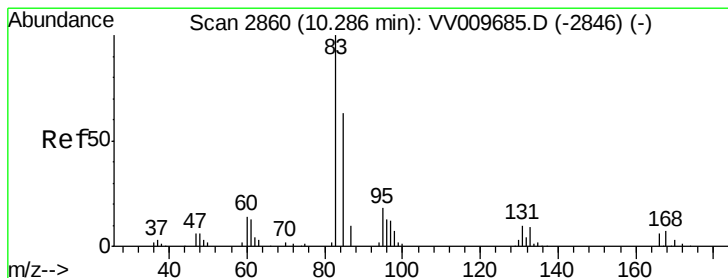
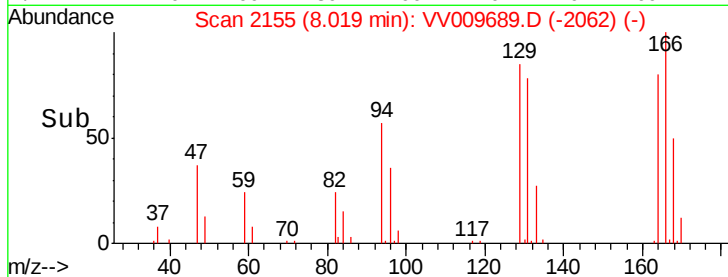
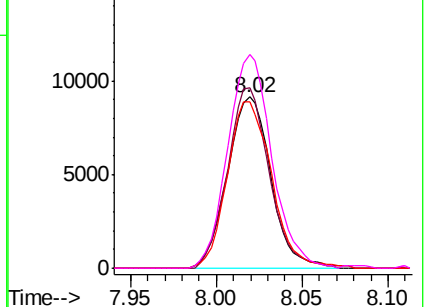


Abundance Ion 164.00 (163.70 to 164.70): V

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



#58

1,1,2,2-Tetrachloroethane

Concen: 0.352 ug/L

RT: 10.27 min Scan# 2855

Delta R.T. -0.02 min

Lab File: VV009689.D

Acq: 15 Mar 2019 16:39

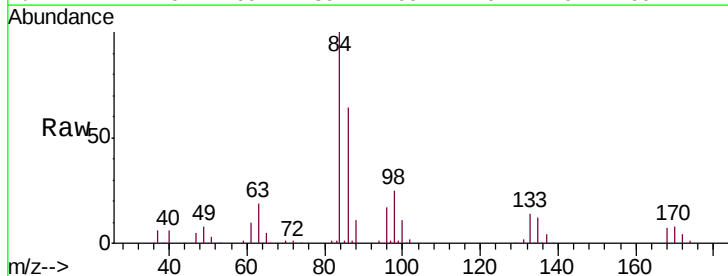
Tgt Ion: 83 Resp: 675

Ion Ratio Lower Upper

83 100

85 208.2 44.9 83.5#

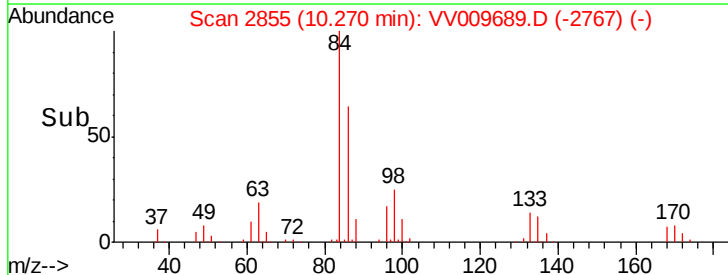
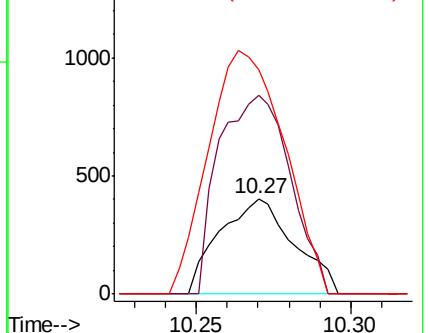
131 235.6 8.2 12.4#

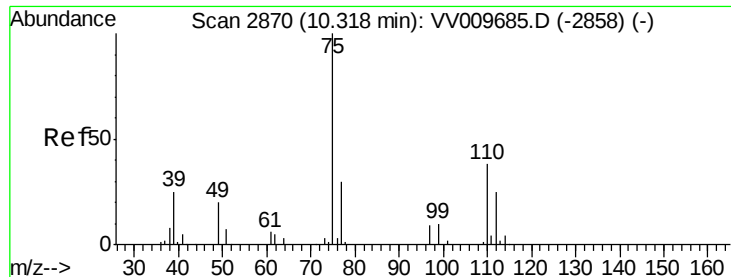


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 6.845 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009689.D

Acq: 15 Mar 2019 16:39

Instrument :

MSVOA_V

ClientSampleId :

BF0S9

Tgt Ion: 75 Resp: 9774

Ion Ratio Lower Upper

75 100

77 37.9 26.6 40.0

