

Data File : VV009706.D
Acq On : 15 Mar 2019 23:36
Operator : SY/MD
Sample : K1936-01
Misc : 5.39g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0T8

Quant Time: Mar 16 02:39:19 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	319074	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	330824	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	169636	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64422	34.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.22%
7) Chloroethane-d5	1.55	69	42397	21.57	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	43.14%#
11) 1,1-Dichloroethene-d2	2.10	63	163682	32.85	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.70%
21) 2-Butanone-d5	3.95	46	132307	94.81	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.81%
24) Chloroform-d	4.40	84	173521	42.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.12%
26) 1,2-Dichloroethane-d4	5.08	65	121025	44.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.68%
32) Benzene-d6	5.09	84	362399	42.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.26%
36) 1,2-Dichloropropane-d6	6.12	67	111158	43.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.42%
41) Toluene-d8	7.36	98	362844	43.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	7.67	79	55877	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.12%
47) 2-Hexanone-d5	8.14	63	112261	99.78	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.78%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	194479	47.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.14%
64) 1,2-Dichlorobenzene-d4	11.68	152	162748	45.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.96%

Target Compounds

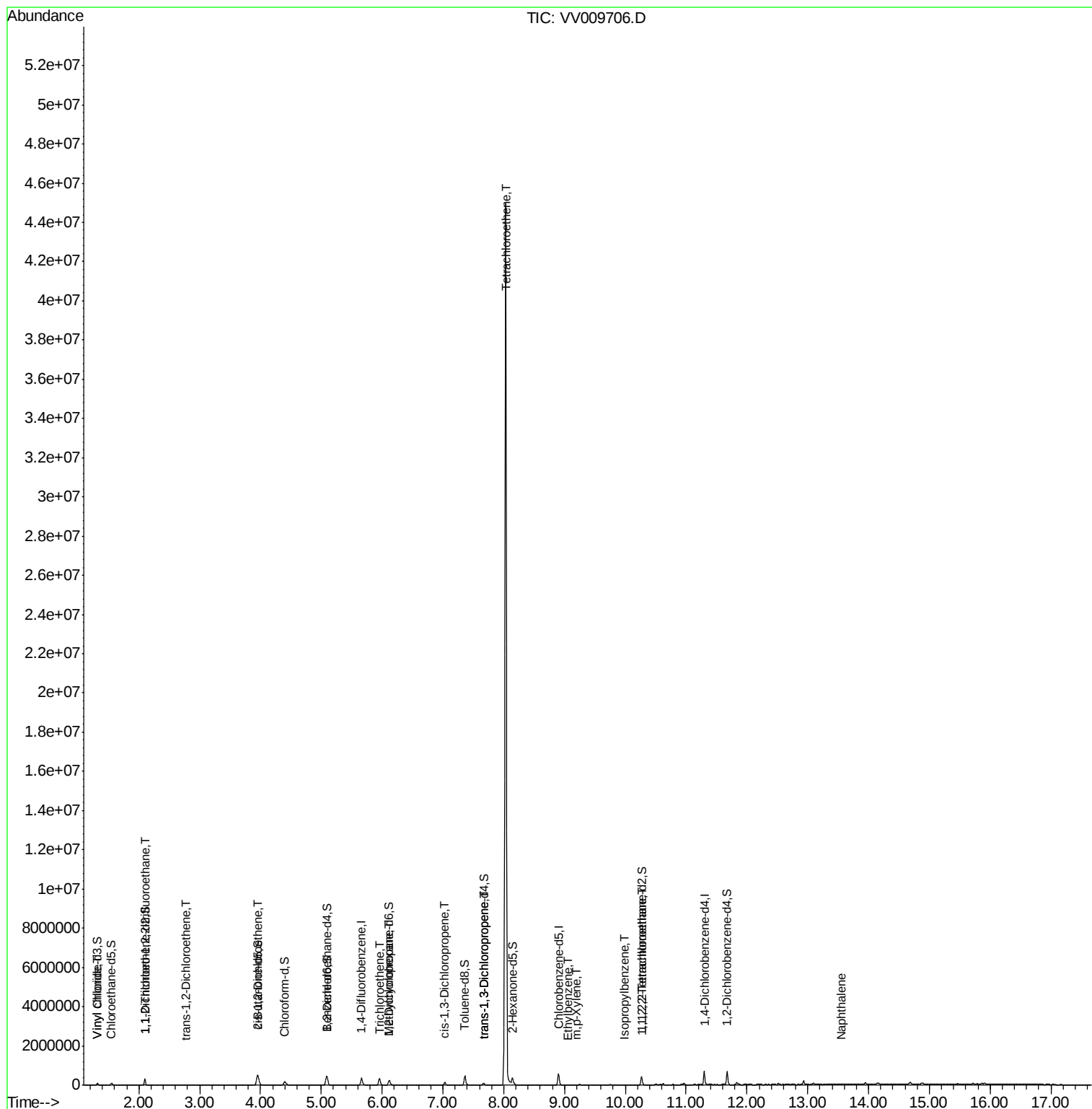
						Qvalue
5) Vinyl chloride	1.32	62	5520	2.686	ug/L #	71
10) 1,1,2-Trichloro-1,2,2-trif	2.10	101	1616	0.669	ug/L #	19
17) trans-1,2-Dichloroethene	2.78	96	835	0.443	ug/L #	78
20) cis-1,2-Dichloroethene	3.96	96	269460	122.907	ug/L	97
34) Trichloroethene	5.96	95	109848	49.569	ug/L	99
35) Methylcyclohexane	6.12	83	27465	7.661	ug/L #	21
39) cis-1,3-Dichloropropene	7.03	75	4078	1.209	ug/L #	61
44) trans-1,3-Dichloropropene	7.67	75	3186	1.006	ug/L #	59
46) Tetrachloroethene	8.04	164	9752239	5597.520	ug/L	92
52) Ethylbenzene	9.06	91	4261	0.397	ug/L	93
53) m,p-Xylene	9.19	106	4142	1.008	ug/L	92
56) Isopropylbenzene	9.98	105	4153	0.385	ug/L	93
58) 1,1,2,2-Tetrachloroethane	10.29	83	3252	0.843	ug/L #	58
69) Naphthalene	13.56	128	10490	1.610	ug/L #	92

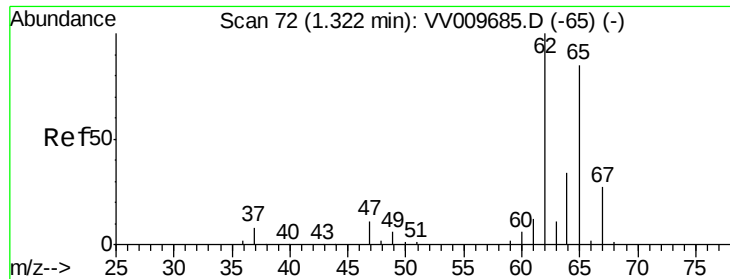
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 16 02:32:06 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.686 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009706.D

Acq: 15 Mar 2019 23:36

Instrument :

MSVOA_V

ClientSampled :

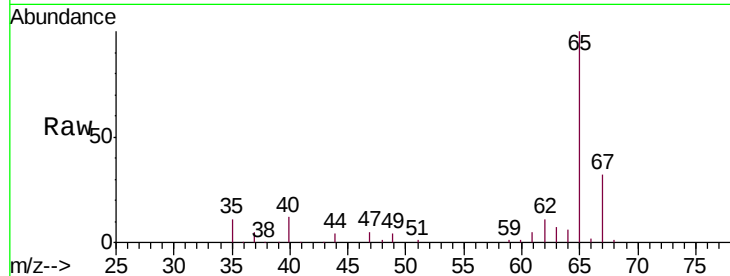
BF0T8

Tgt Ion: 62 Resp: 5520

Ion Ratio Lower Upper

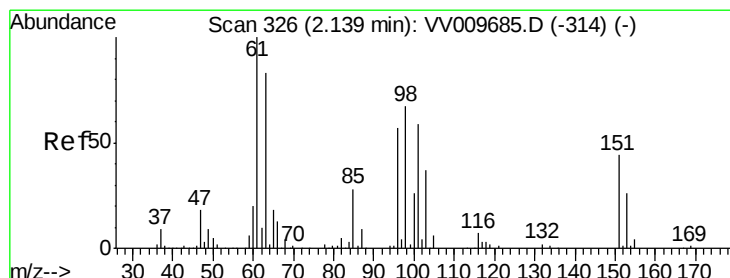
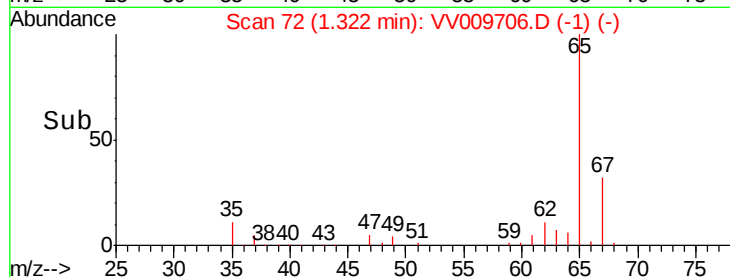
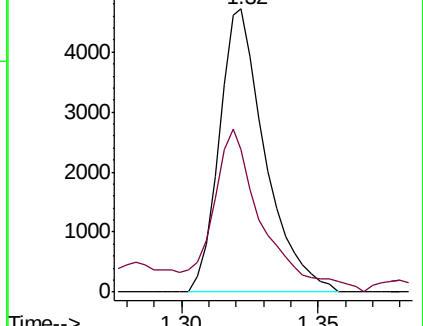
62 100

64 50.3 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VV009685.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009685.D (-65) (-)



#10

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

Concen: 0.669 ug/L

RT: 2.10 min Scan# 314

Delta R.T. -0.04 min

Lab File: VV009706.D

Acq: 15 Mar 2019 23:36

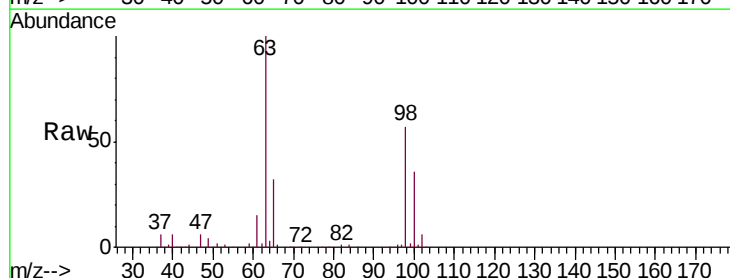
Tgt Ion: 101 Resp: 1616

Ion Ratio Lower Upper

101 100

85 0.0 37.8 56.6#

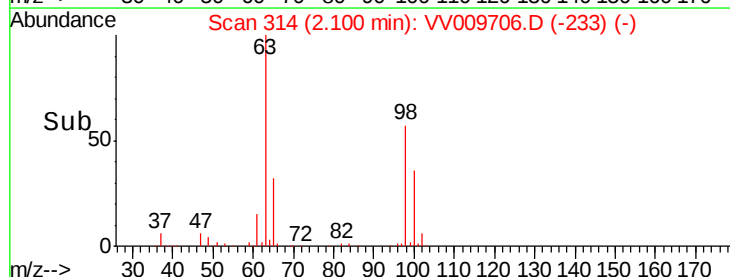
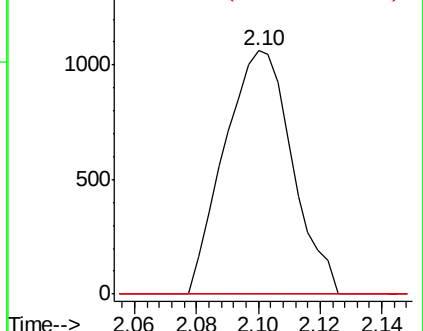
151 0.0 59.6 89.4#

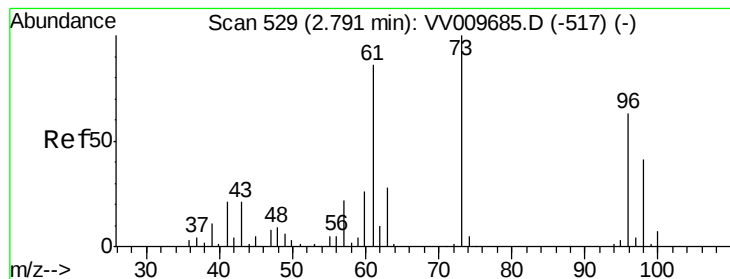


Abundance Ion 101.00 (100.70 to 101.70): VV009685.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV009685.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV009685.D (-314) (-)





#17

trans-1,2-Dichloroethene

Concen: 0.443 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.01 min

Lab File: VV009706.D

Acq: 15 Mar 2019 23:36

Instrument :

MSVOA_V

ClientSampleId :

BF0T8

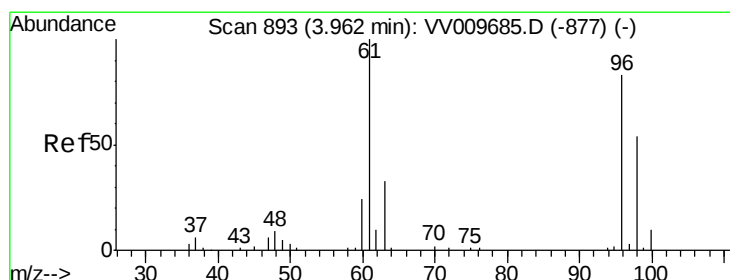
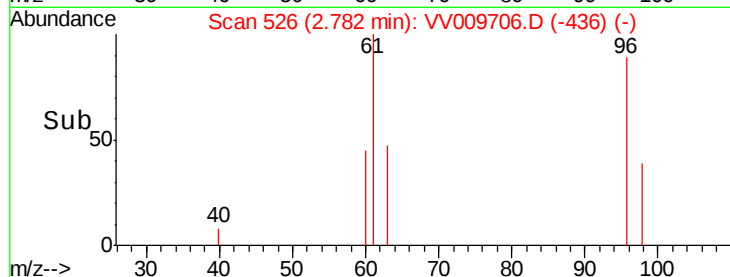
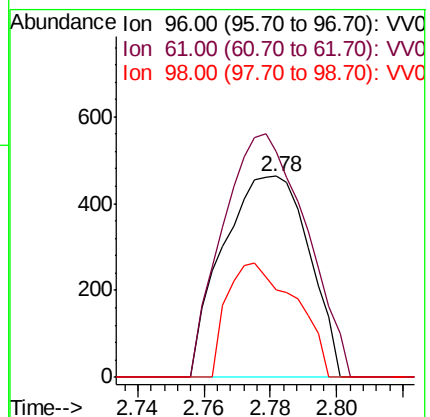
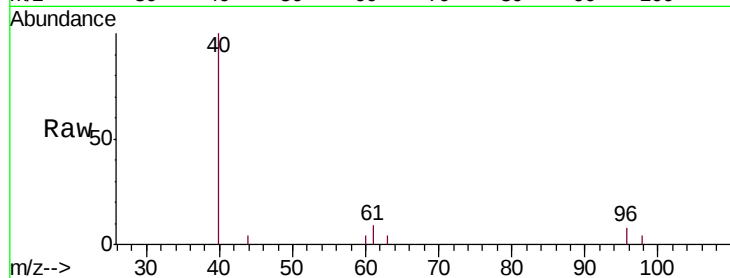
Tgt Ion: 96 Resp: 835

Ion Ratio Lower Upper

96 100

61 112.1 94.0 174.6

98 43.4 45.8 85.2#



#20

cis-1,2-Dichloroethene

Concen: 122.907 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.01 min

Lab File: VV009706.D

Acq: 15 Mar 2019 23:36

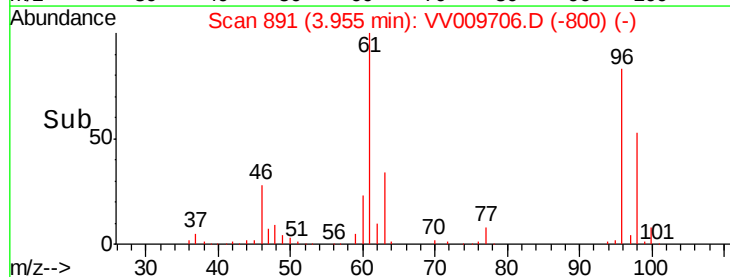
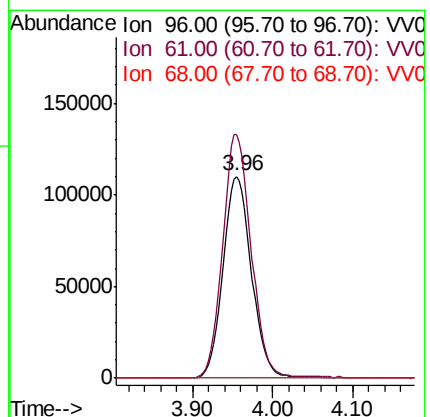
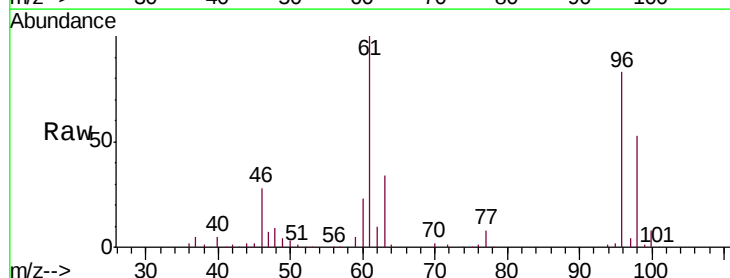
Tgt Ion: 96 Resp: 269460

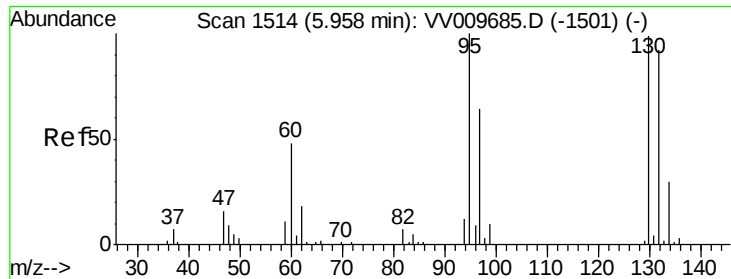
Ion Ratio Lower Upper

96 100

61 120.5 82.4 153.0

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 49.569 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009706.D

Acq: 15 Mar 2019 23:36

Instrument :

MSVOA_V

ClientSampleId :

BF0T8

Tgt Ion: 95 Resp: 109848

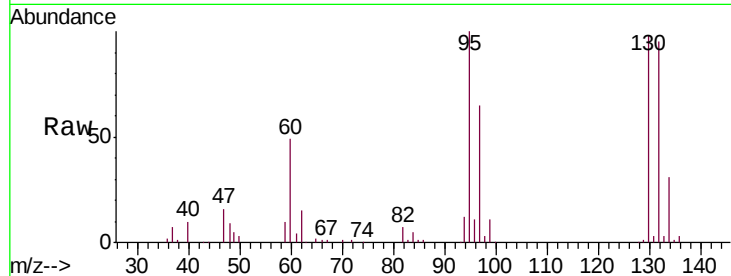
Ion Ratio Lower Upper

95 100

97 64.9 44.2 82.2

132 95.4 66.5 123.5

130 98.3 67.8 125.8

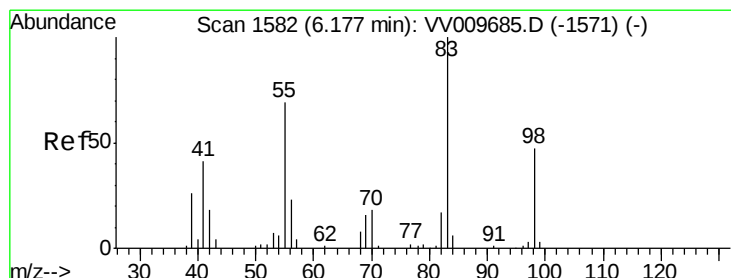
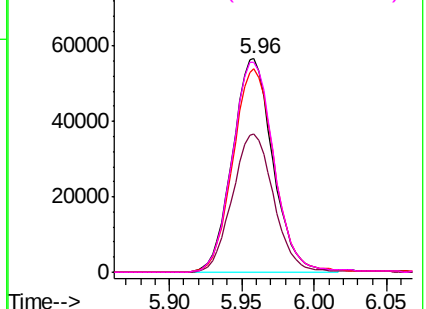
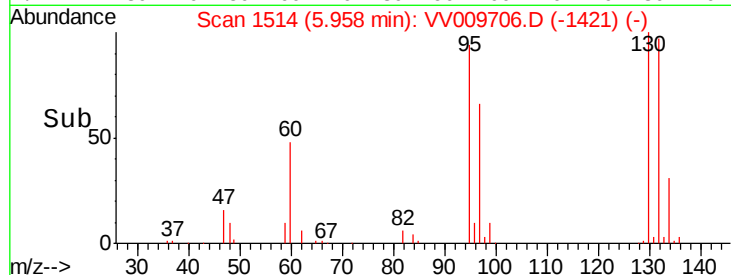


Abundance Ion 95.00 (94.70 to 95.70): VV009706.D (-1421) (-)

Ion 97.00 (96.70 to 97.70): VV009706.D (-1421) (-)

Ion 132.00 (131.70 to 132.70): VV009706.D (-1421) (-)

Ion 130.00 (129.70 to 130.70): VV009706.D (-1421) (-)



#35

Methylcyclohexane

Concen: 7.661 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.06 min

Lab File: VV009706.D

Acq: 15 Mar 2019 23:36

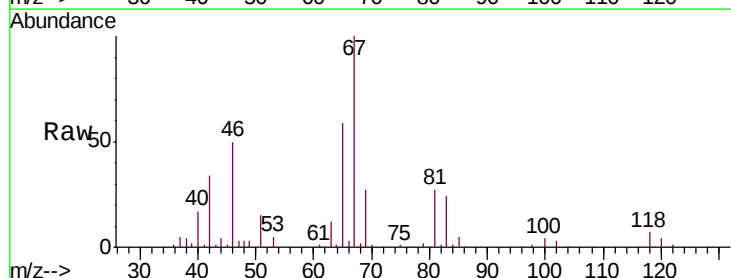
Tgt Ion: 83 Resp: 27465

Ion Ratio Lower Upper

83 100

55 0.2 57.9 86.9#

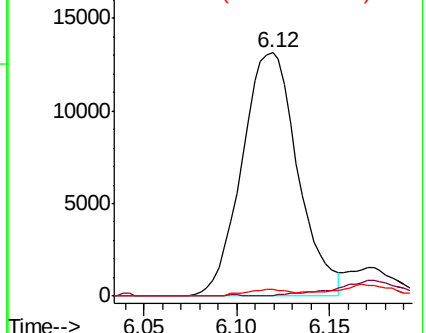
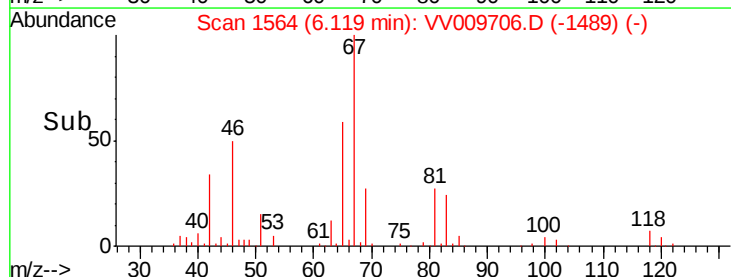
98 2.1 39.2 58.8#

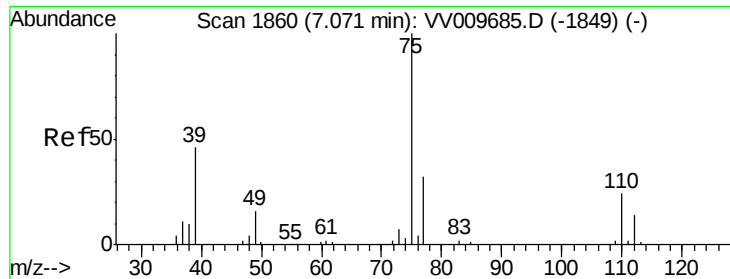


Abundance Ion 83.00 (82.70 to 83.70): VV009706.D (-1489) (-)

Ion 55.00 (54.70 to 55.70): VV009706.D (-1489) (-)

Ion 98.00 (97.70 to 98.70): VV009706.D (-1489) (-)

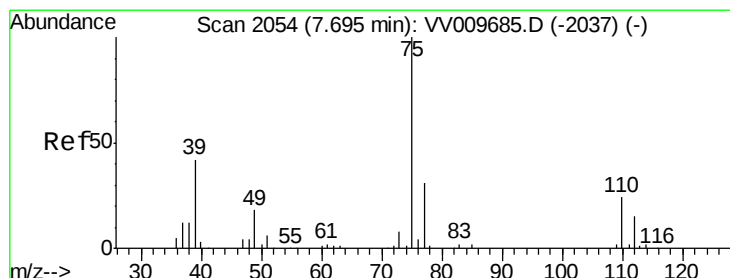
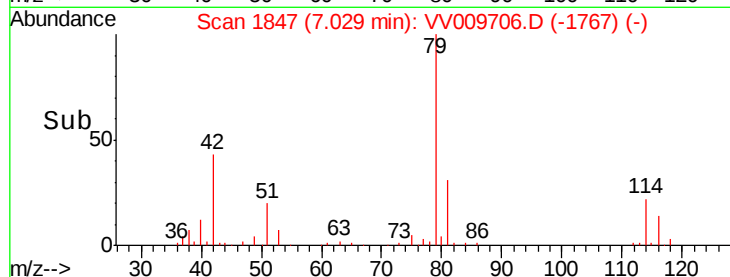
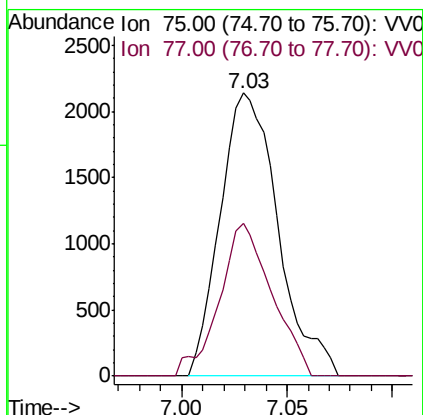
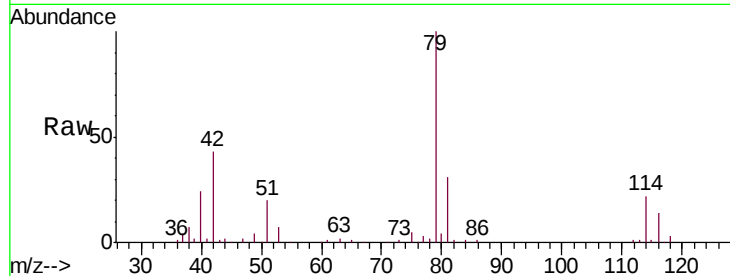




#39
 cis-1,3-Dichloropropene
 Concen: 1.209 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009706.D
 Acq: 15 Mar 2019 23:36

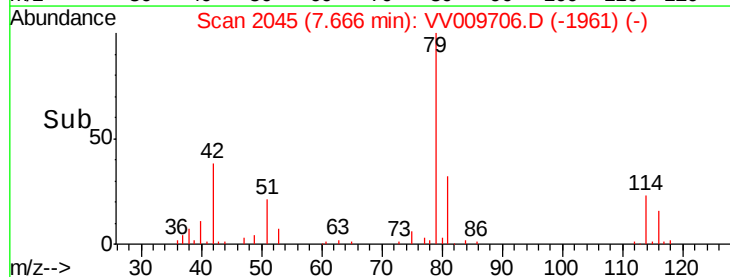
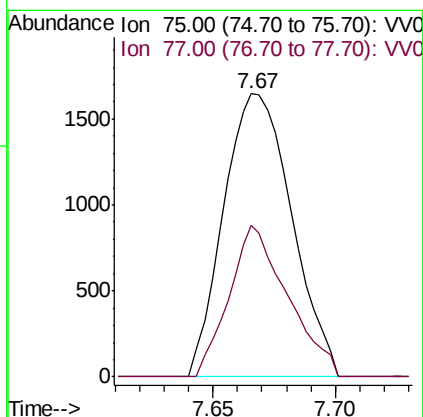
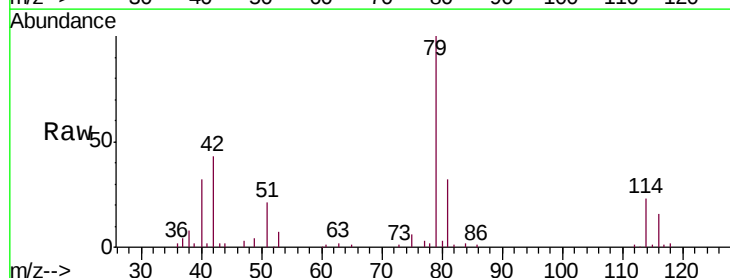
Instrument :
 MSVOA_V
 ClientSampleID :
 BF0T8

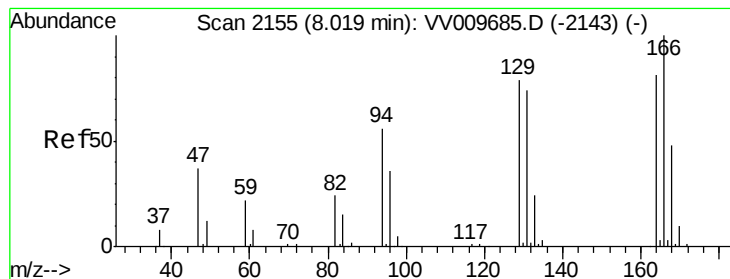
Tgt Ion: 75 Resp: 4078
 Ion Ratio Lower Upper
 75 100
 77 53.8 22.3 41.5#



#44
 trans-1,3-Dichloropropene
 Concen: 1.006 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV009706.D
 Acq: 15 Mar 2019 23:36

Tgt Ion: 75 Resp: 3186
 Ion Ratio Lower Upper
 75 100
 77 53.3 21.6 40.2#





#46

Tetrachloroethene

Concen: 5597.520 ug/L

RT: 8.04 min Scan# 2160

Delta R.T. 0.02 min

Lab File: VV009706.D

Acq: 15 Mar 2019 23:36

Instrument :

MSVOA_V

ClientSampled :

BF0T8

Tgt Ion:164 Resp: 9752239

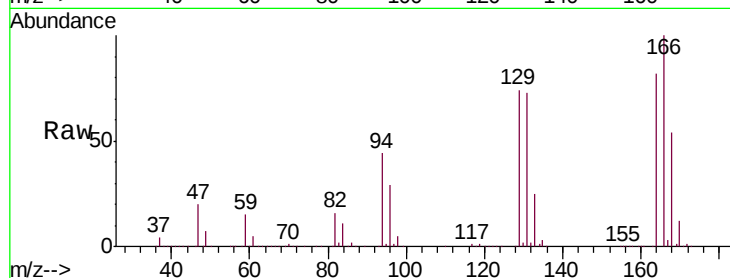
Ion Ratio Lower Upper

164 100

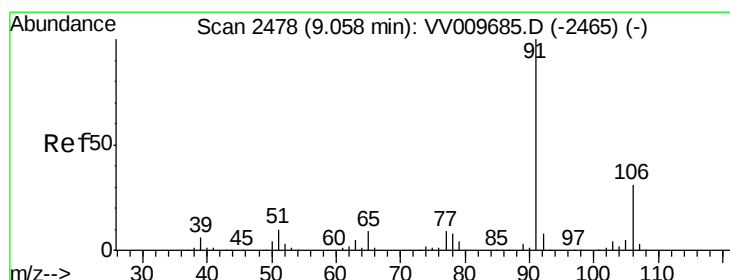
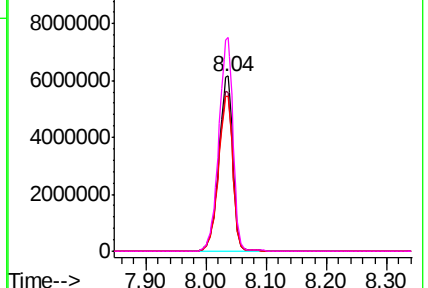
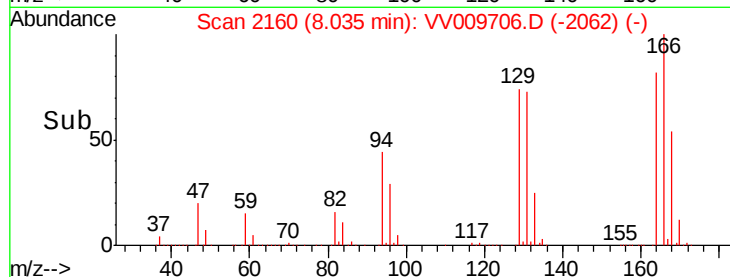
129 90.7 70.8 131.6

131 88.6 68.3 126.9

166 122.0 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



#52

Ethylbenzene

Concen: 0.397 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV009706.D

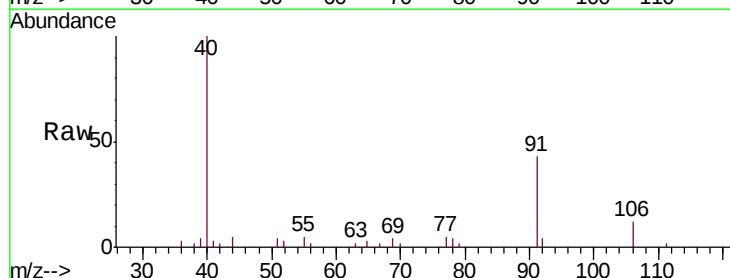
Acq: 15 Mar 2019 23:36

Tgt Ion: 91 Resp: 4261

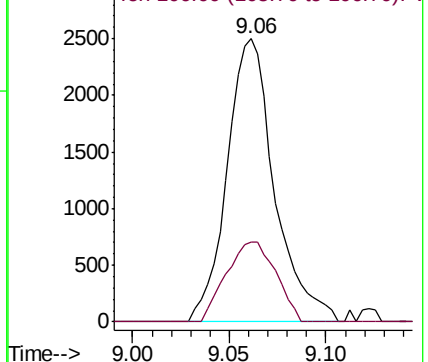
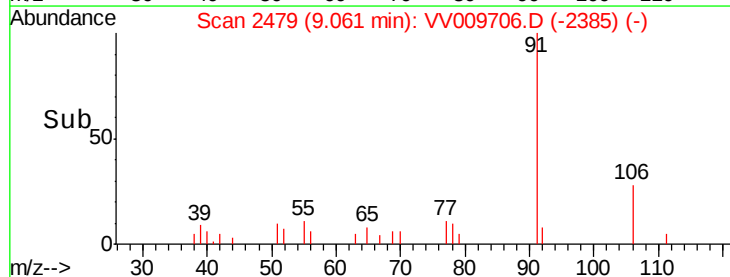
Ion Ratio Lower Upper

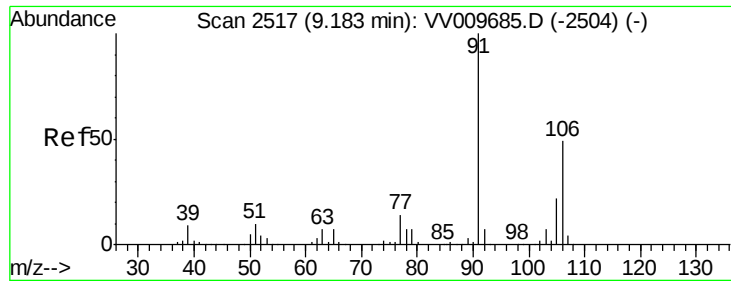
91 100

106 28.2 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V

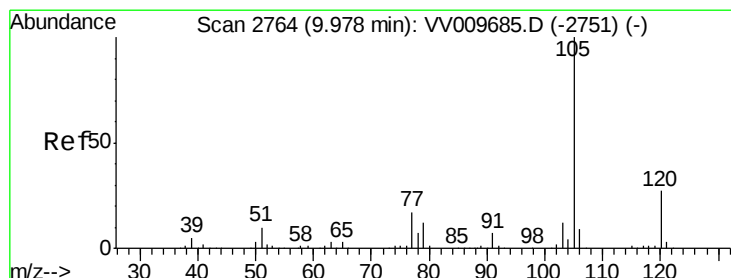
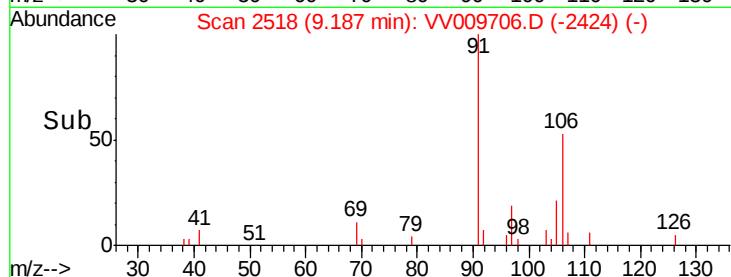
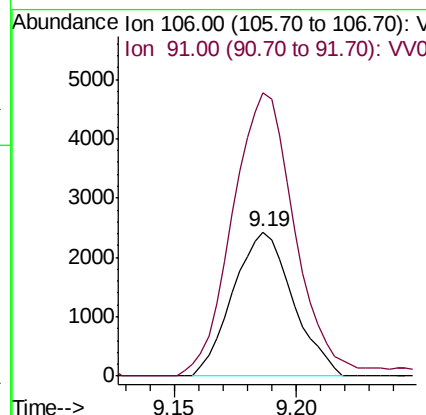
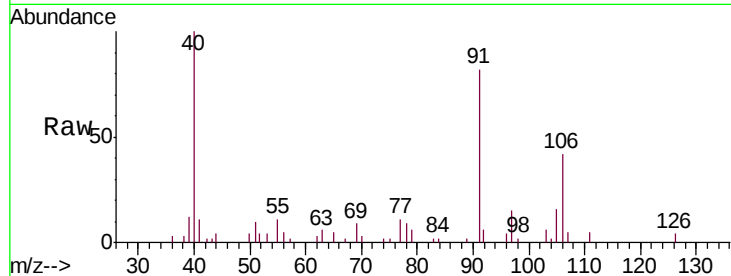




#53
 m,p-Xylene
 Concen: 1.008 ug/L
 RT: 9.19 min Scan# 2518
 Delta R.T. 0.00 min
 Lab File: VV009706.D
 Acq: 15 Mar 2019 23:36

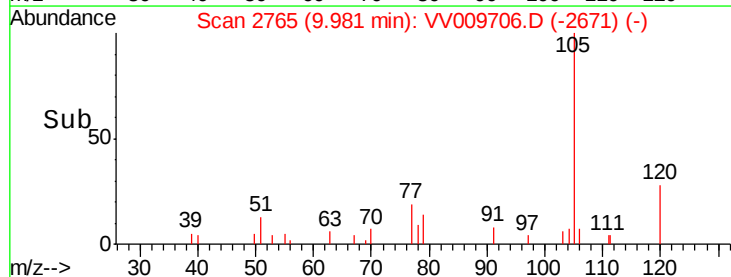
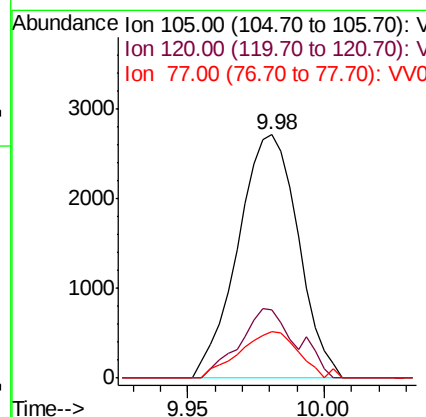
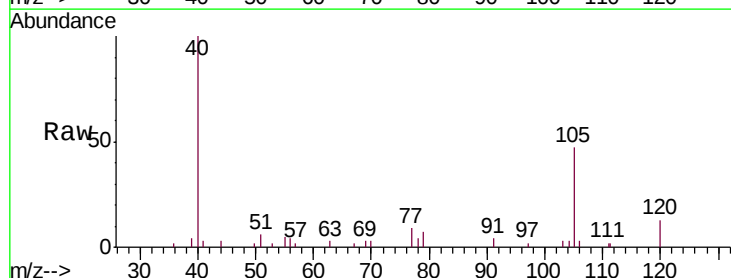
Instrument :
 MSVOA_V
 ClientSampled :
 BF0T8

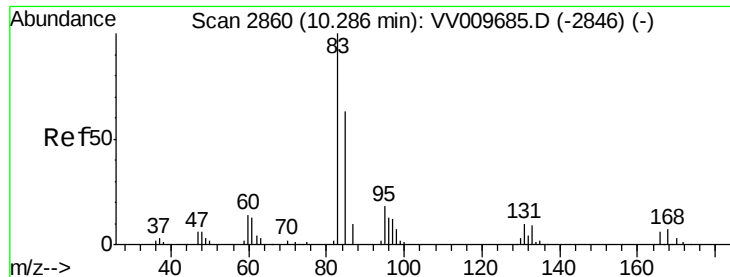
Tgt Ion:106 Resp: 4142
 Ion Ratio Lower Upper
 106 100
 91 196.5 146.8 272.6



#56
 Isopropylbenzene
 Concen: 0.385 ug/L
 RT: 9.98 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV009706.D
 Acq: 15 Mar 2019 23:36

Tgt Ion:105 Resp: 4153
 Ion Ratio Lower Upper
 105 100
 120 22.9 21.6 32.4
 77 18.5 13.0 19.6

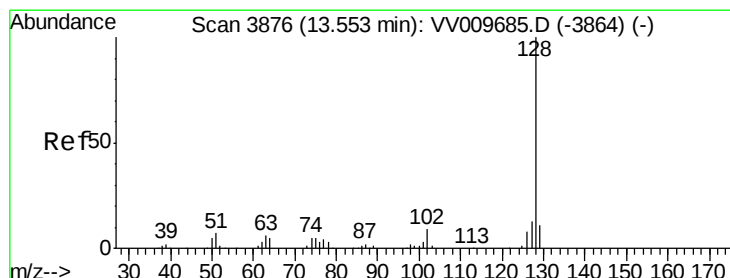
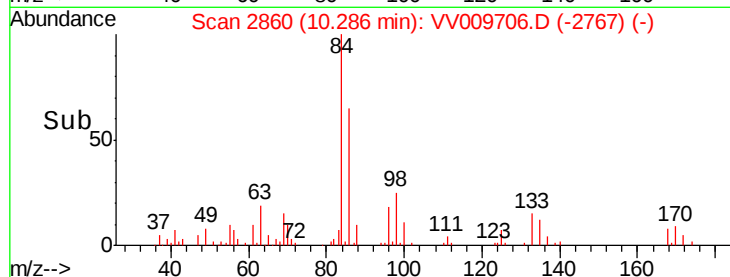
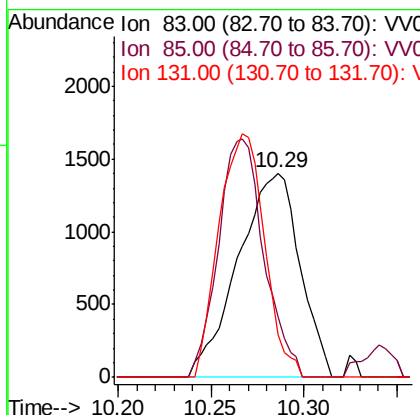
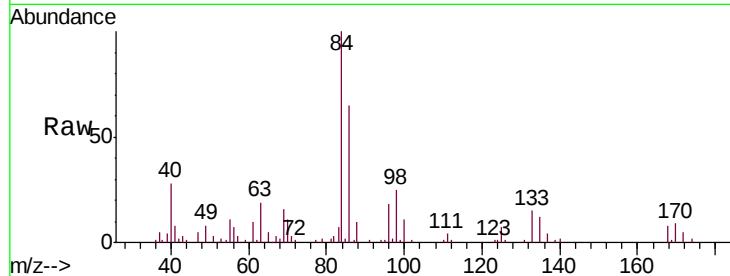




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.843 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VV009706.D
 Acq: 15 Mar 2019 23:36

Instrument :
 MSVOA_V
 ClientSampleId :
 BF0T8

Tgt Ion: 83 Resp: 3252
 Ion Ratio Lower Upper
 83 100
 85 29.3 44.9 83.5#
 131 21.0 8.2 12.4#



#69
 Naphthalene
 Concen: 1.610 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV009706.D
 Acq: 15 Mar 2019 23:36

Tgt Ion: 128 Resp: 10490
 Ion Ratio Lower Upper
 128 100
 127 14.8 10.5 15.7
 129 15.7 8.8 13.2#

