

Data File : VV009041.D
Acq On : 19 Dec 2018 04:12
Operator : SY/MD
Sample : J6419-14
Misc : 4.92G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF042

Quant Time: Dec 19 07:26:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 07:18:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	235936	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	157531	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	33053	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	54263	22.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.92%
7) Chloroethane-d5	1.58	69	54807	30.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.52%
10) 1,1-Dichloroethene-d2	2.13	63	98044	16.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.24%
20) 2-Butanone-d5	3.94	46	30519	34.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.66%
24) Chloroform-d	4.40	84	130856	23.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.28%
26) 1,2-Dichloroethane-d4	5.08	65	82209	26.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.24%
29) Benzene-d6	5.10	84	254951	28.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.92%
33) 1,2-Dichloropropane-d6	6.12	67	76853	31.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.80%#
37) Toluene-d8	7.36	98	196906	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.72%
38) trans-1,3-Dichloropropene-	7.67	79	29440	27.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.80%
39) 2-Hexanone-d5	8.13	63	19554	43.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.66%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	53088	25.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.76%
61) 1,2-Dichlorobenzene-d4	11.68	152	22100	17.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	71.28%#

Target Compounds

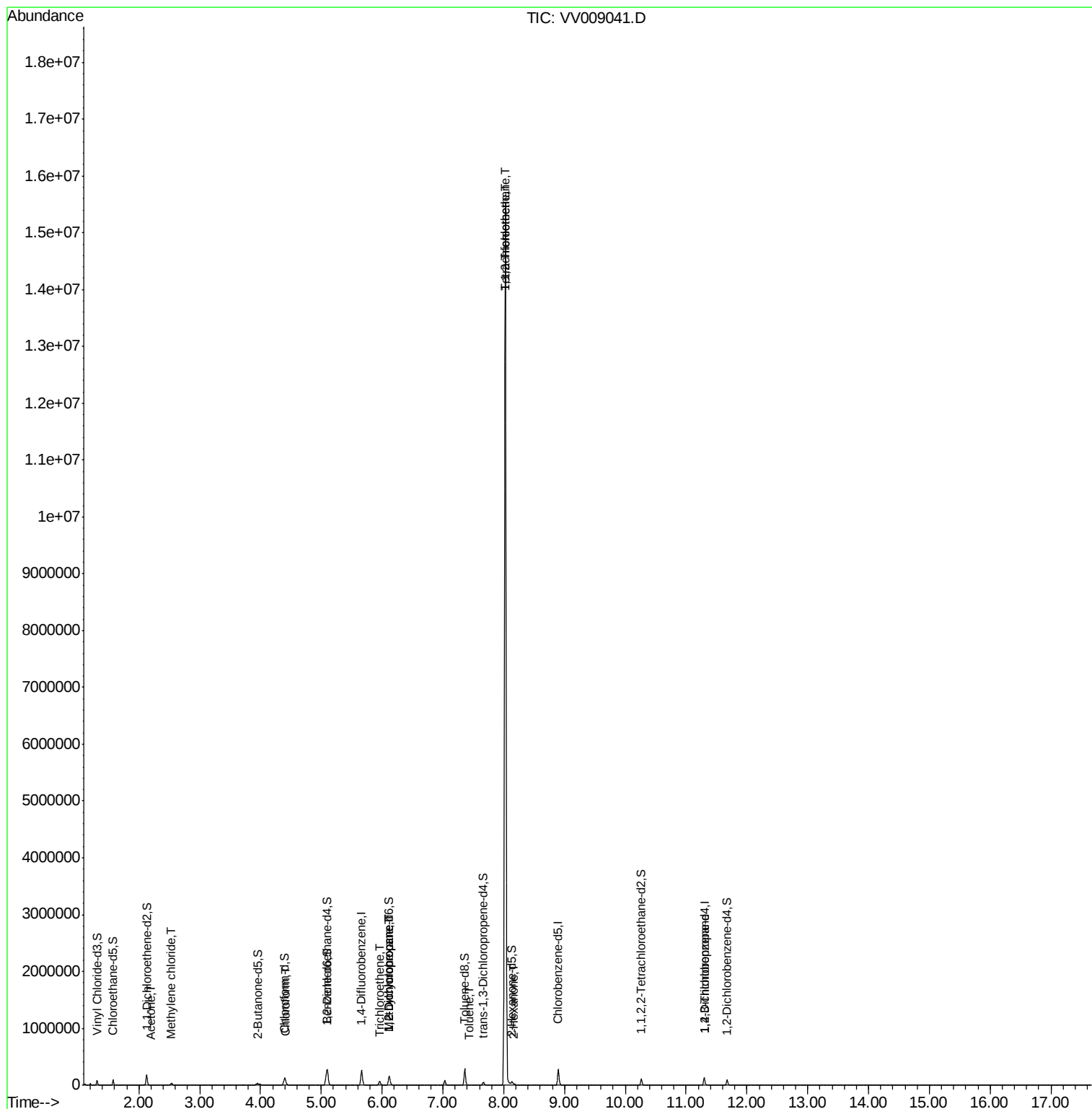
						Qvalue
13) Acetone	2.20	43	6272	4.789	ug/L	92
16) Methylene chloride	2.53	84	14686	3.696	ug/L	97
25) Chloroform	4.42	83	2922	0.511	ug/L #	36
35) Trichloroethene	5.96	95	20118	7.070	ug/L	99
36) Methylcyclohexane	6.12	83	19712	4.344	ug/L #	20
40) 1,2-Dichloropropane	6.12	63	8890	3.925	ug/L #	85
44) Toluene	7.43	91	4130	0.417	ug/L	93
46) 1,1,2-Trichloroethane	8.03	97	31146	16.502	ug/L #	12
47) Tetrachloroethene	8.03	164	3551229	1534.667	ug/L	97
49) 2-Hexanone	8.17	43	5369	4.239	ug/L #	42
59) 1,2,3-Trichloropropane	11.30	75	4313	2.443	ug/L	91

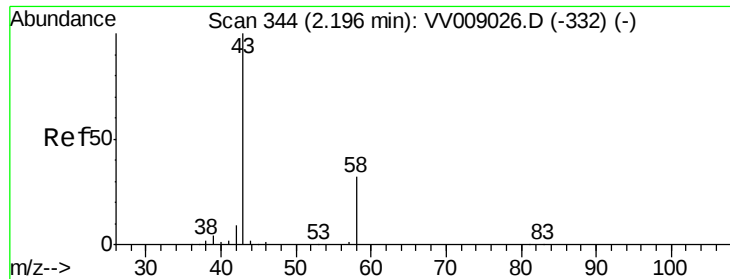
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.789 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV009041.D

Acq: 19 Dec 2018 04:12

Instrument :

MSVOA_V

ClientSampleId :

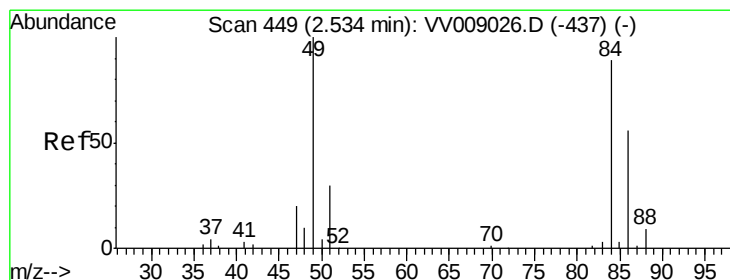
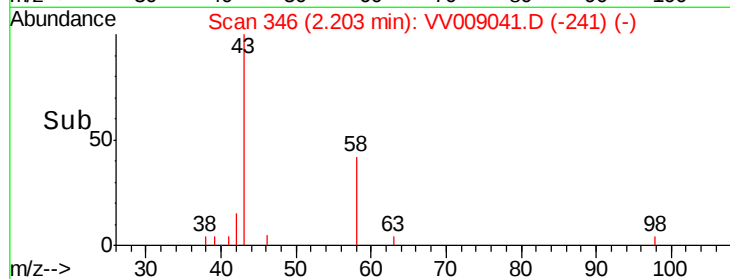
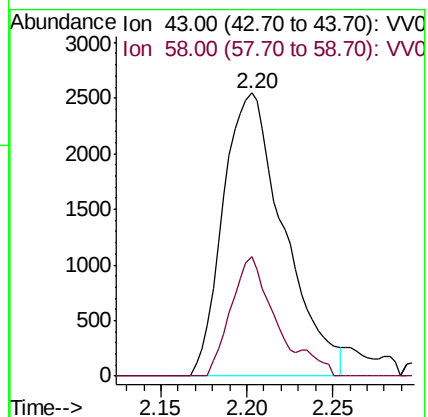
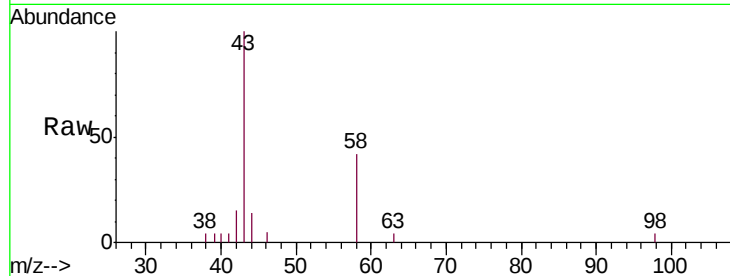
BF042

Tgt Ion: 43 Resp: 6272

Ion Ratio Lower Upper

43 100

58 28.4 0.0 65.4



#16

Methylene chloride

Concen: 3.696 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009041.D

Acq: 19 Dec 2018 04:12

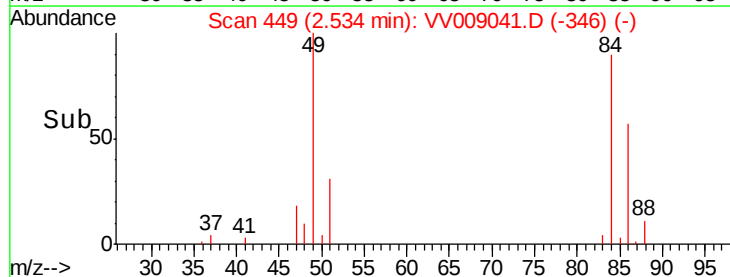
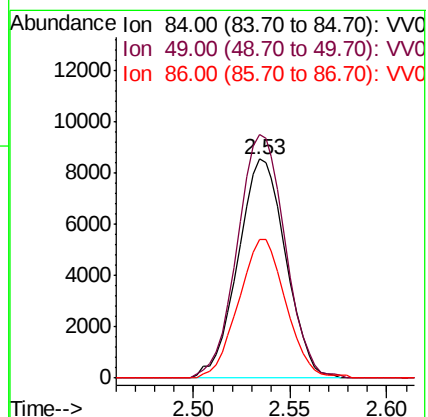
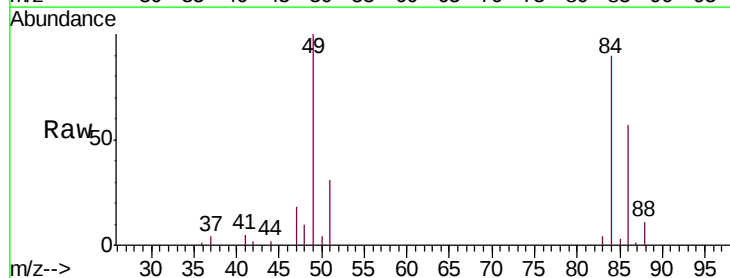
Tgt Ion: 84 Resp: 14686

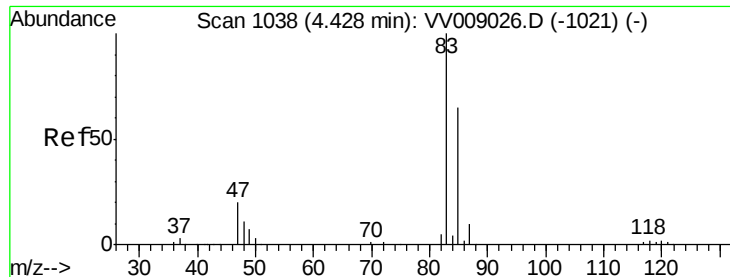
Ion Ratio Lower Upper

84 100

49 111.1 80.5 149.5

86 63.3 45.5 84.5

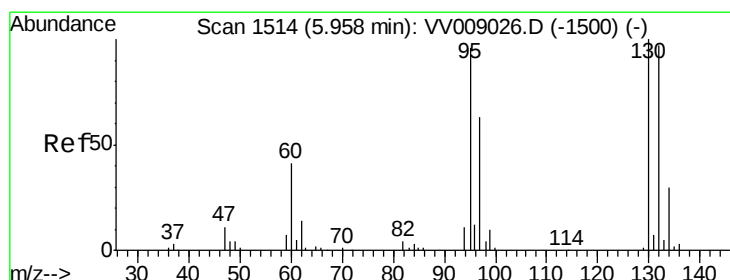
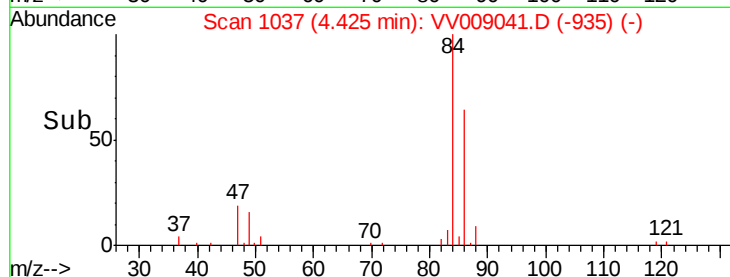
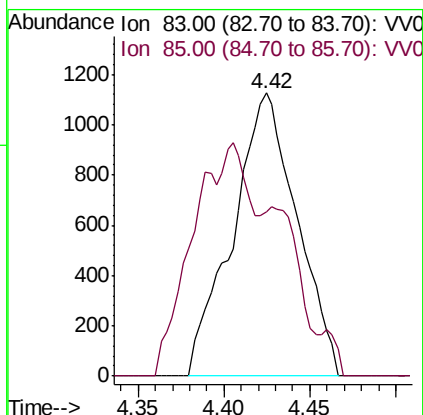
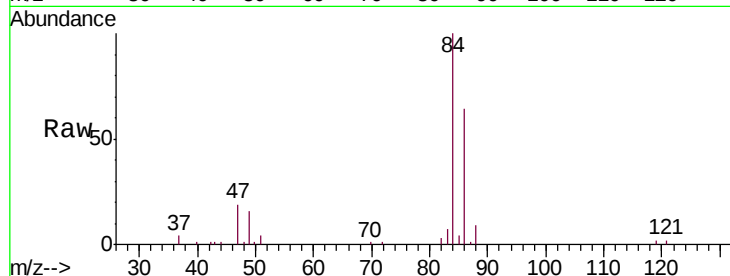




#25
Chloroform
Concen: 0.511 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009041.D
Acq: 19 Dec 2018 04:12

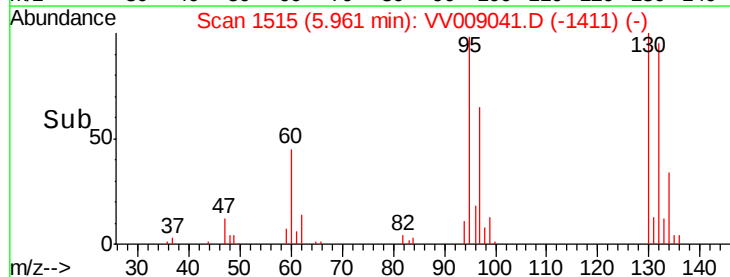
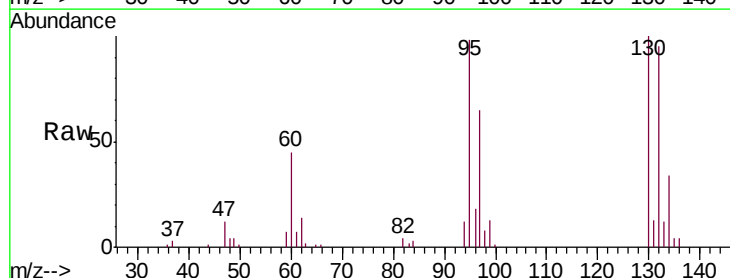
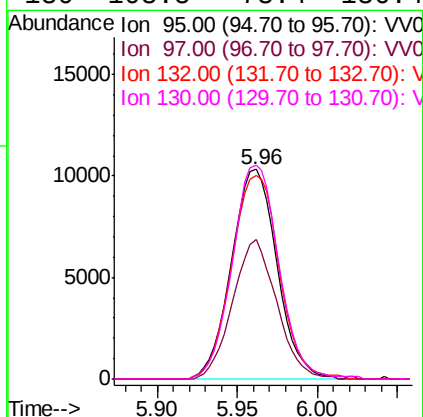
Instrument :
MSVOA_V
ClientSampled :
BF042

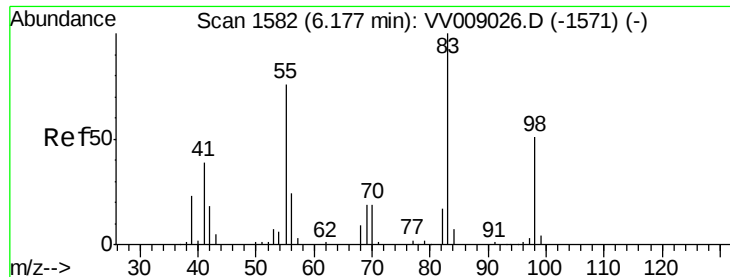
Tgt Ion: 83 Resp: 2922
Ion Ratio Lower Upper
83 100
85 15.0 45.6 84.8#



#35
Trichloroethene
Concen: 7.070 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV009041.D
Acq: 19 Dec 2018 04:12

Tgt Ion: 95 Resp: 20118
Ion Ratio Lower Upper
95 100
97 64.0 45.3 84.1
132 101.4 70.0 130.0
130 103.5 73.4 136.4

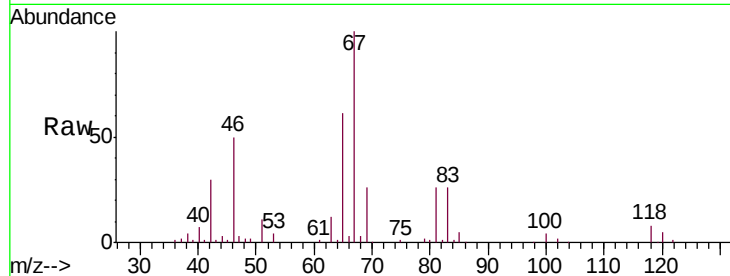




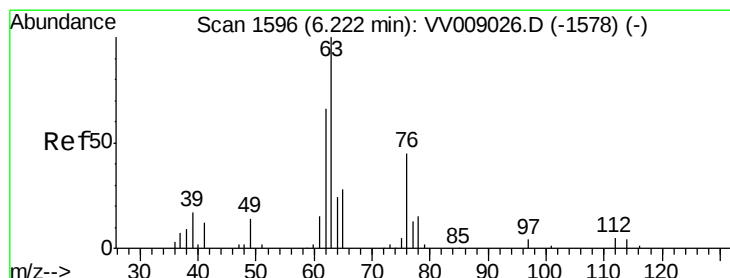
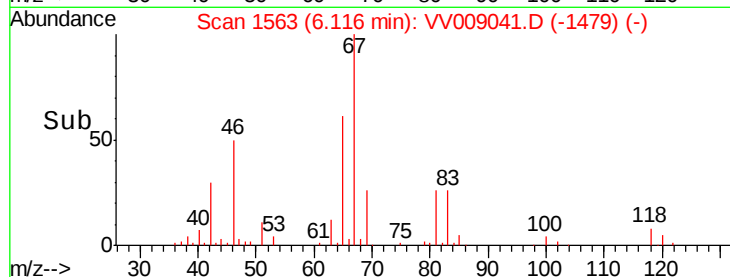
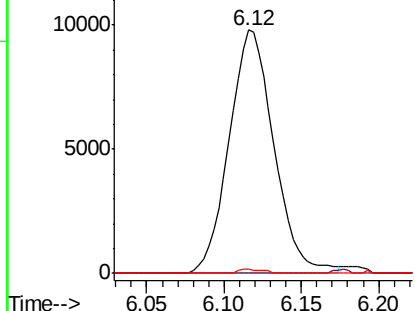
#36
Methylcyclohexane
Concen: 4.344 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV009041.D
Acq: 19 Dec 2018 04:12

Instrument :
MSVOA_V
ClientSampleId :
BF042

Tgt Ion: 83 Resp: 19712
Ion Ratio Lower Upper
83 100
55 0.5 58.2 87.2#
98 0.6 37.8 56.8#

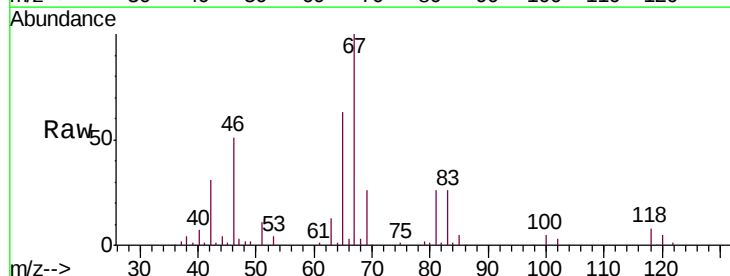


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

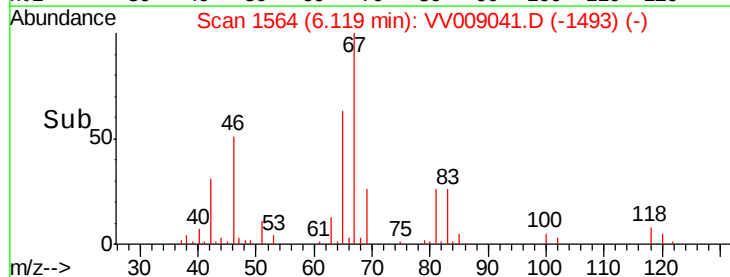
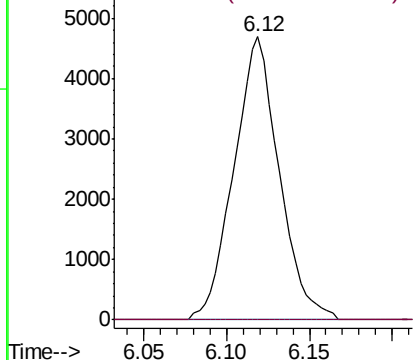


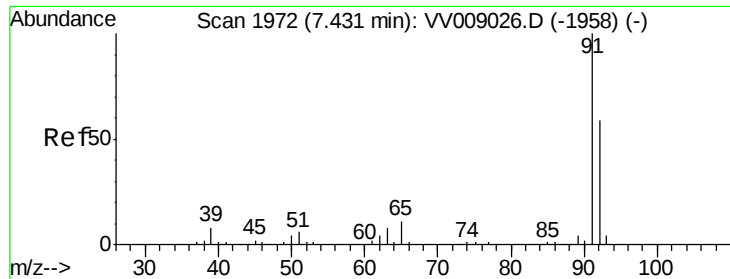
#40
1,2-Dichloropropane
Concen: 3.925 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV009041.D
Acq: 19 Dec 2018 04:12

Tgt Ion: 63 Resp: 8890
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#44

Toluene

Concen: 0.417 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009041.D

Acq: 19 Dec 2018 04:12

Instrument :

MSVOA_V

ClientSampled :

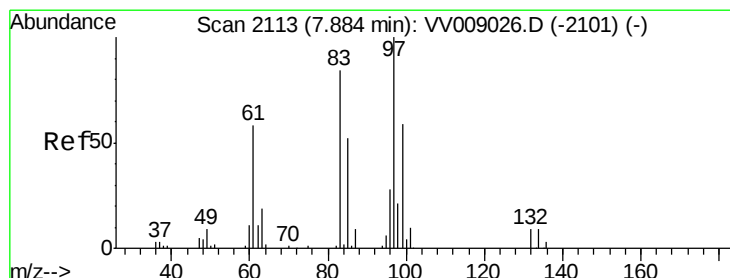
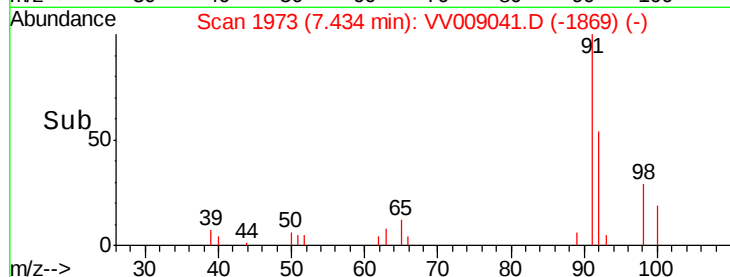
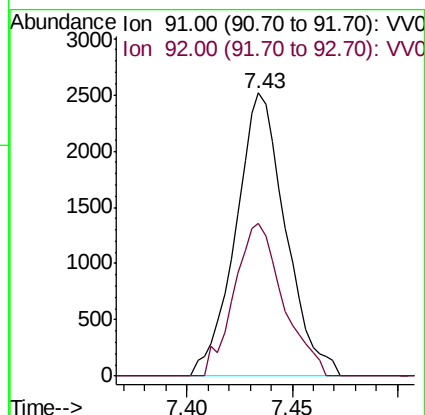
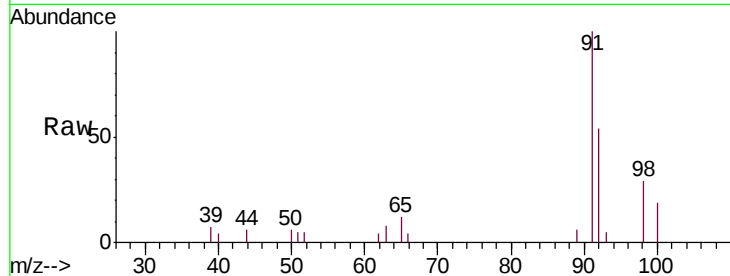
BF042

Tgt Ion: 91 Resp: 4130

Ion Ratio Lower Upper

91 100

92 54.2 41.7 77.5



#46

1,1,2-Trichloroethane

Concen: 16.502 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.14 min

Lab File: VV009041.D

Acq: 19 Dec 2018 04:12

Tgt Ion: 97 Resp: 31146

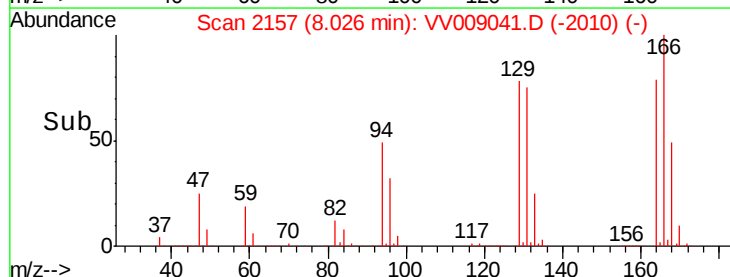
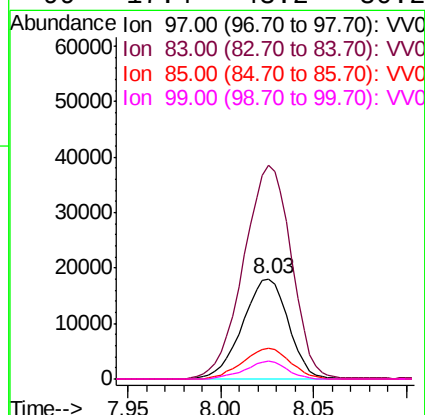
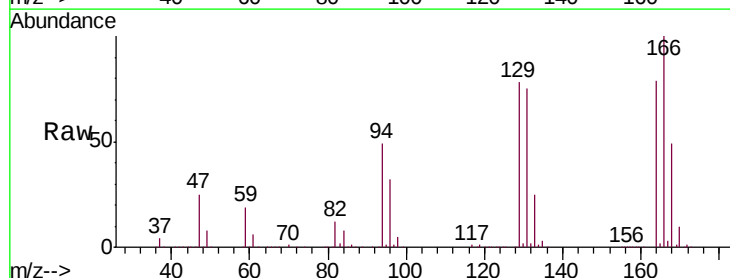
Ion Ratio Lower Upper

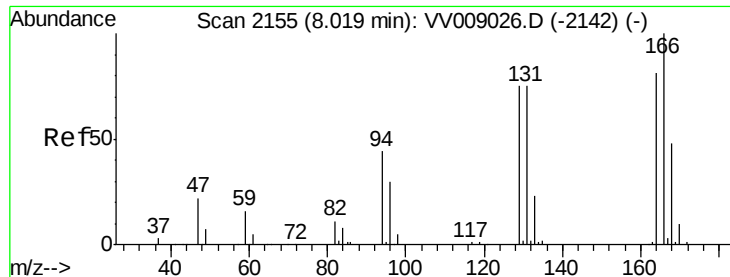
97 100

83 212.9 56.6 105.2#

85 31.1 36.6 68.0#

99 17.4 43.2 80.2#





#47

Tetrachloroethene

Concen: 1534.667 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. 0.01 min

Lab File: VV009041.D

Acq: 19 Dec 2018 04:12

Instrument :

MSVOA_V

ClientSampleId :

BF042

Tgt Ion:164 Resp: 3551229

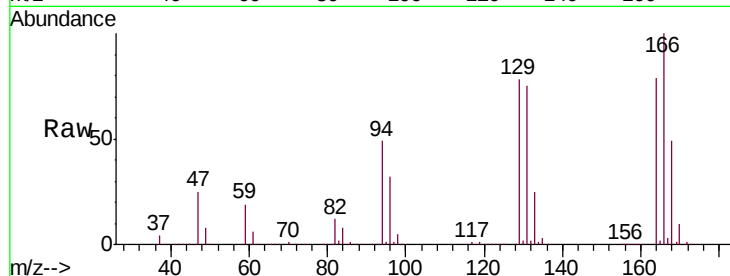
Ion Ratio Lower Upper

164 100

129 99.2 64.6 120.0

131 95.6 64.5 119.7

166 126.9 88.7 164.7

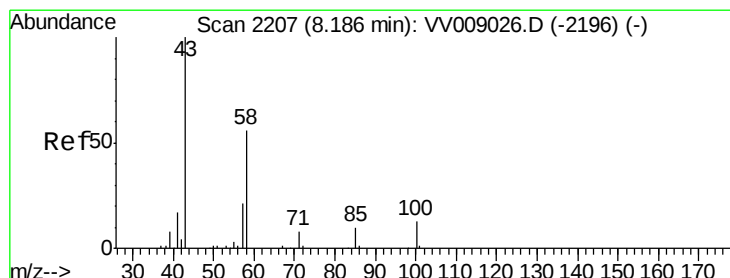
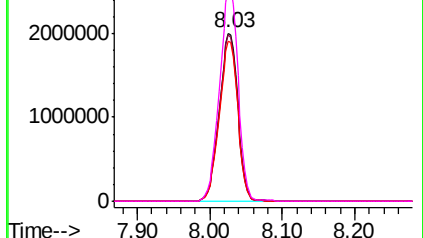
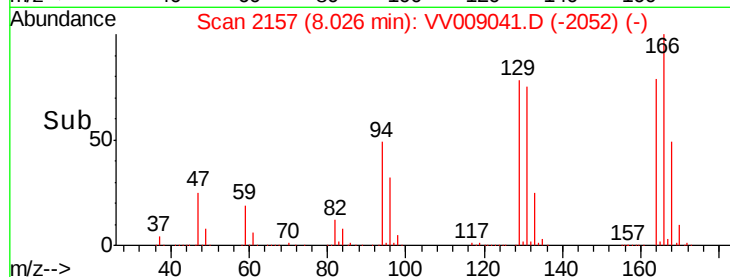


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 4.239 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. -0.02 min

Lab File: VV009041.D

Acq: 19 Dec 2018 04:12

Tgt Ion: 43 Resp: 5369

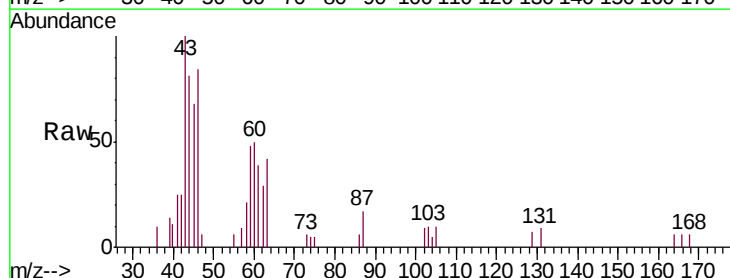
Ion Ratio Lower Upper

43 100

58 0.0 43.9 65.9#

57 6.6 15.7 23.5#

100 2.3 11.0 16.4#

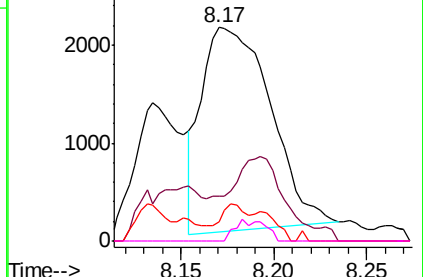
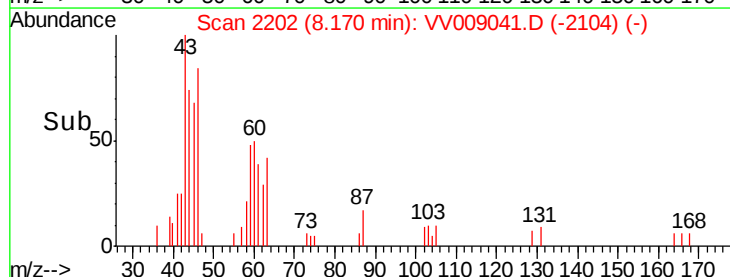


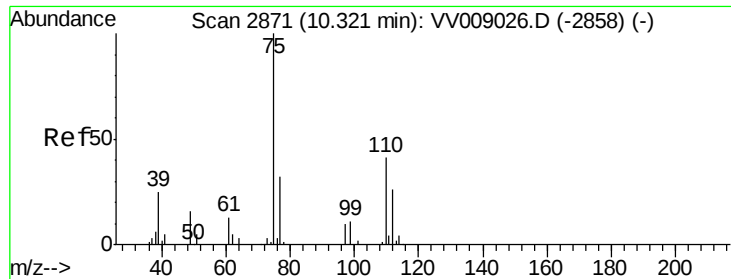
Abundance Ion 43.00 (42.70 to 43.70): VV0

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





#59

1,2,3-Trichloropropane

Concen: 2.443 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.97 min

Lab File: VV009041.D

Acq: 19 Dec 2018 04:12

Instrument :

MSVOA_V

ClientSampleId :

BF042

Tgt Ion: 75 Resp: 4313

Ion Ratio Lower Upper

75 100

77 37.0 25.6 38.4

