

Data File : VV009020.D
Acq On : 18 Dec 2018 18:04
Operator : SY/MD
Sample : J6418-09
Misc : 3.27G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF004

Quant Time: Dec 19 06:22:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 19 06:18:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	73600	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	60076	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	18404	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21670	28.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.80%
7) Chloroethane-d5	1.58	69	22073	39.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	156.92%#
10) 1,1-Dichloroethene-d2	2.13	63	43382	22.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.12%
20) 2-Butanone-d5	3.94	46	9955	35.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.80%
24) Chloroform-d	4.41	84	47085	26.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.44%
26) 1,2-Dichloroethane-d4	5.09	65	27550	28.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.12%
29) Benzene-d6	5.10	84	96545	28.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.08%
33) 1,2-Dichloropropane-d6	6.12	67	28724	30.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.32%#
37) Toluene-d8	7.36	98	80783	26.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.08%
38) trans-1,3-Dichloropropene-	7.67	79	9628	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.32%
39) 2-Hexanone-d5	8.14	63	3455	20.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	40.16%
48) 1,1,2,2-Tetrachloroethane-	10.27	84	16187	20.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.16%
61) 1,2-Dichlorobenzene-d4	11.68	152	18092	26.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.76%

Target Compounds

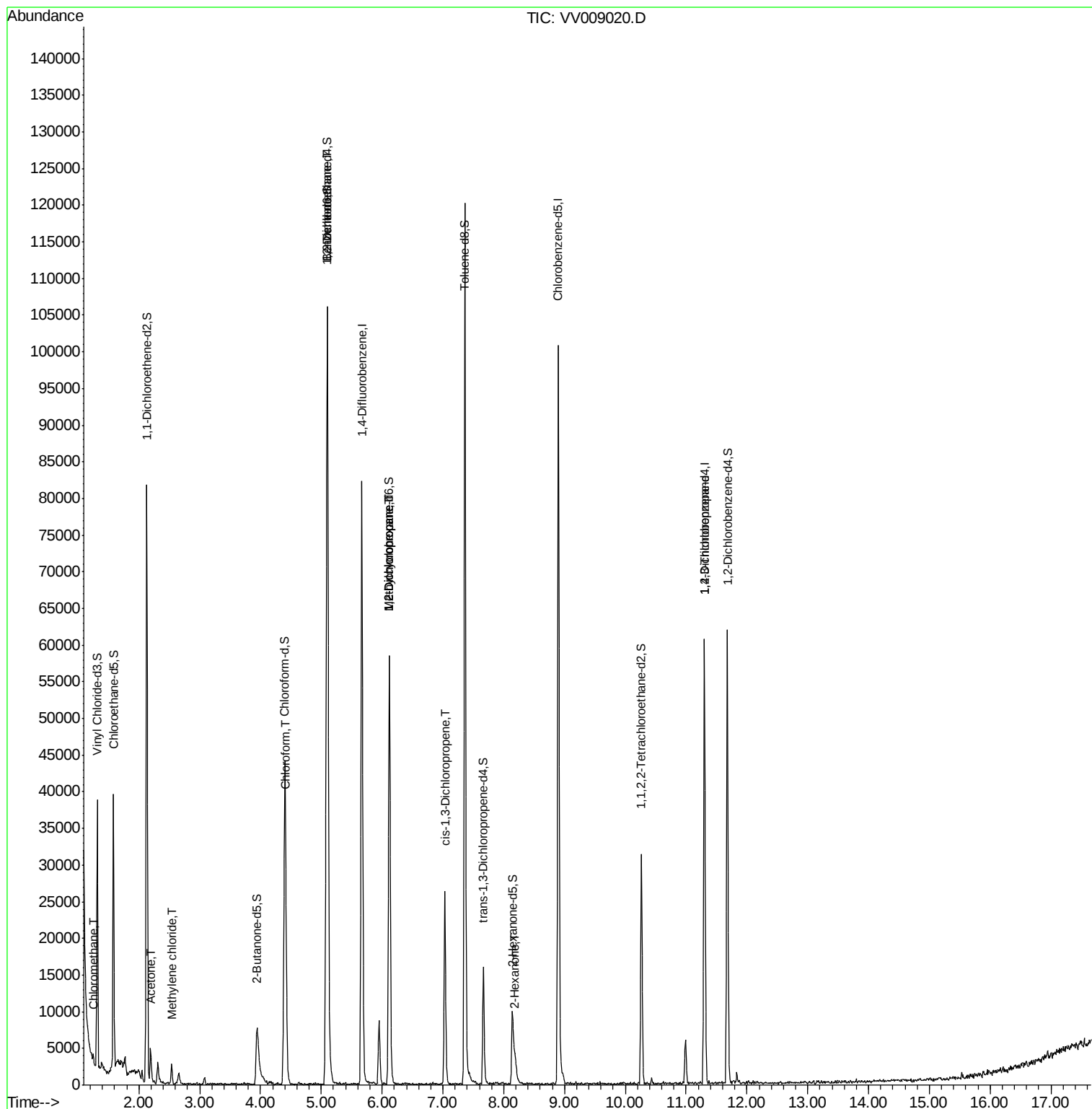
					Qvalue
3) Chloromethane	1.25	50	810	0.977 ug/L	86
13) Acetone	2.19	43	4701	11.507 ug/L	95
16) Methylene chloride	2.54	84	1200	0.968 ug/L	89
25) Chloroform	4.42	83	1804	1.011 ug/L #	49
27) 1,2-Dichloroethane	5.10	62	548	0.451 ug/L #	75
36) Methylcyclohexane	6.12	83	6724	3.885 ug/L #	37
40) 1,2-Dichloropropane	6.12	63	3259	3.773 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	657	0.519 ug/L #	75
49) 2-Hexanone	8.19	43	2209	4.573 ug/L #	72
59) 1,2,3-Trichloropropane	11.31	75	1982	2.944 ug/L	92

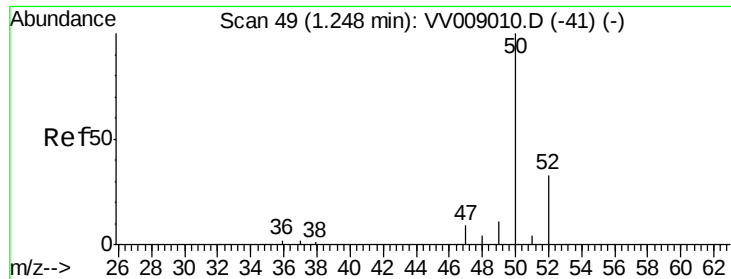
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.977 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009020.D

Acq: 18 Dec 2018 18:04

Instrument :

MSVOA_V

ClientSampleId :

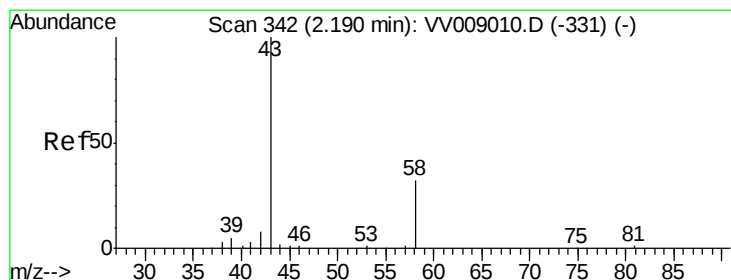
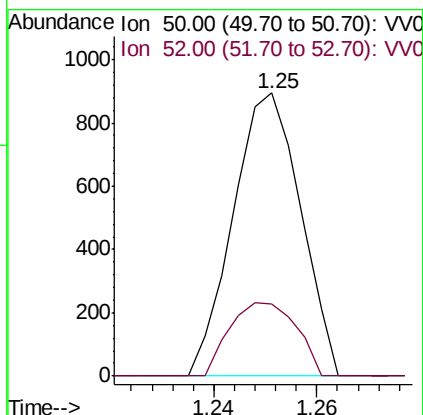
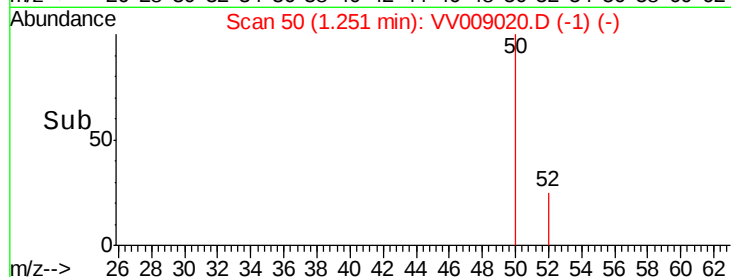
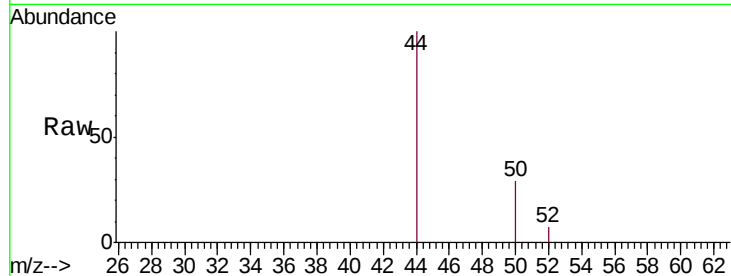
BF004

Tgt Ion: 50 Resp: 810

Ion Ratio Lower Upper

50 100

52 25.4 23.2 43.2



#13

Acetone

Concen: 11.507 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV009020.D

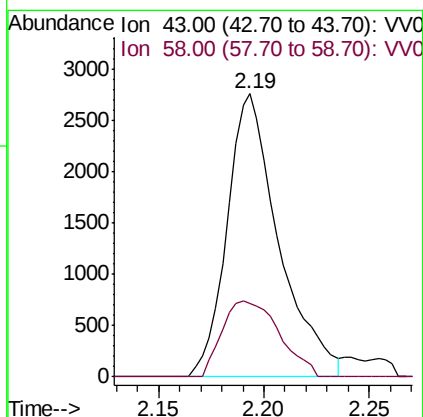
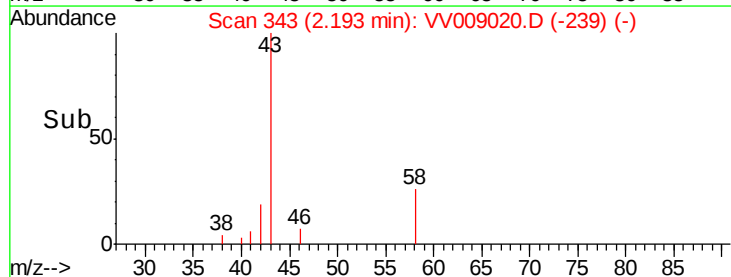
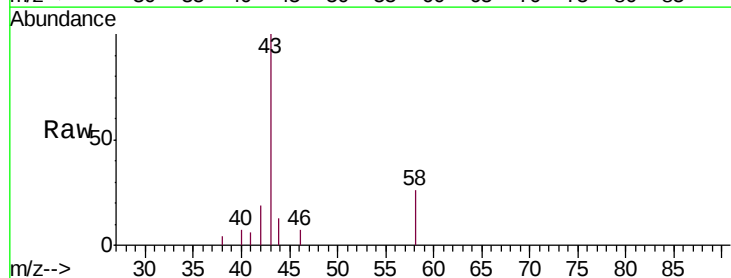
Acq: 18 Dec 2018 18:04

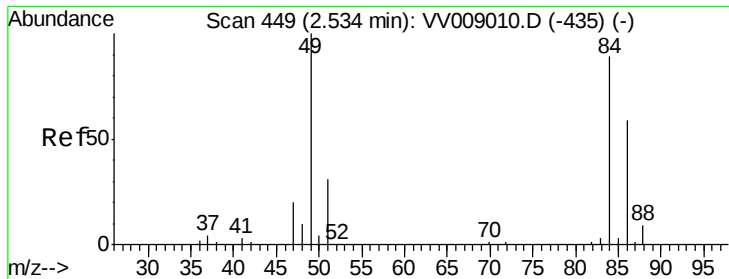
Tgt Ion: 43 Resp: 4701

Ion Ratio Lower Upper

43 100

58 29.7 0.0 65.4

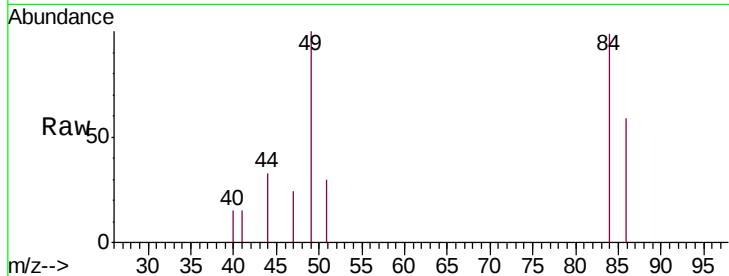




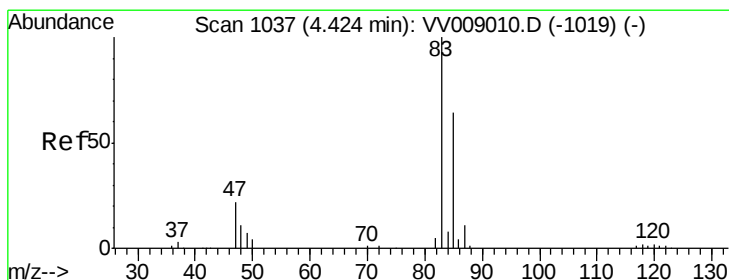
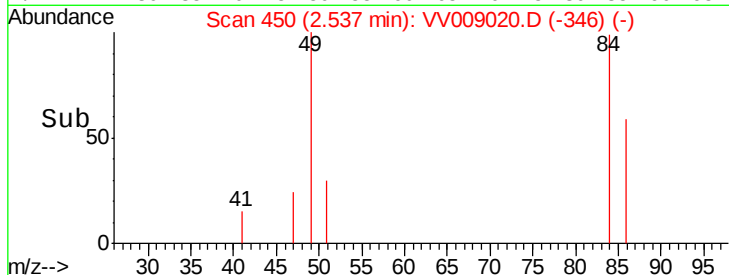
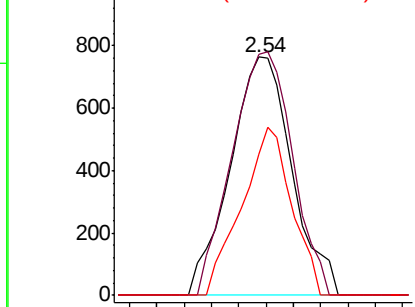
#16
Methylene chloride
Concen: 0.968 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009020.D
Acq: 18 Dec 2018 18:04

Instrument :
MSVOA_V
ClientSampleId :
BF004

Tgt Ion: 84 Resp: 1200
Ion Ratio Lower Upper
84 100
49 101.2 80.5 149.5
86 59.4 45.5 84.5

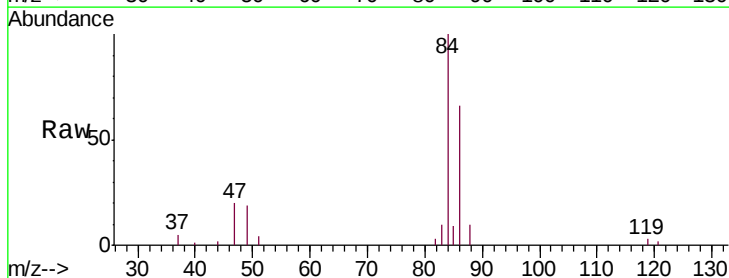


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

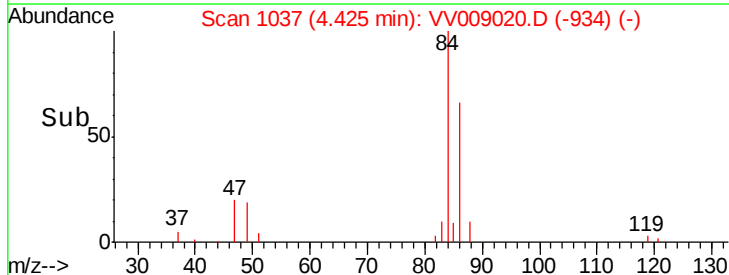
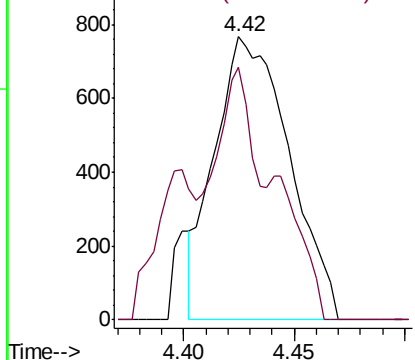


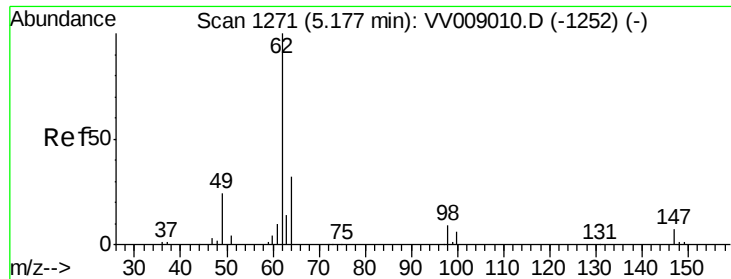
#25
Chloroform
Concen: 1.011 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009020.D
Acq: 18 Dec 2018 18:04

Tgt Ion: 83 Resp: 1804
Ion Ratio Lower Upper
83 100
85 24.7 45.6 84.8#



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





#27

1,2-Dichloroethane

Concen: 0.451 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV009020.D

Acq: 18 Dec 2018 18:04

Instrument :

MSVOA_V

ClientSampleId :

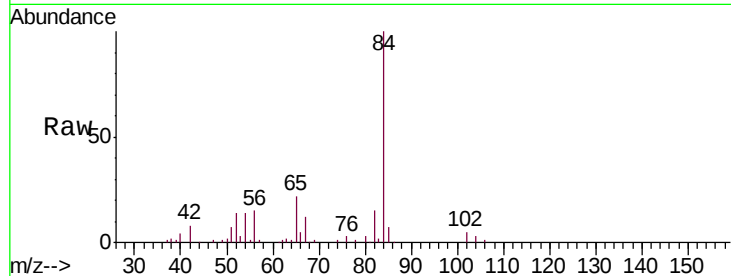
BF004

Tgt Ion: 62 Resp: 548

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009010.D (-1252) (-)

Ion 98.00 (97.70 to 98.70): VV009010.D (-1252) (-)

5.10

300

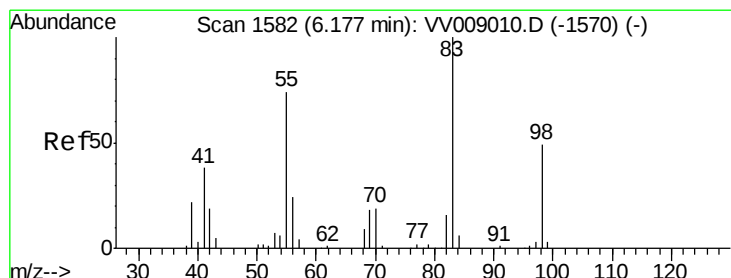
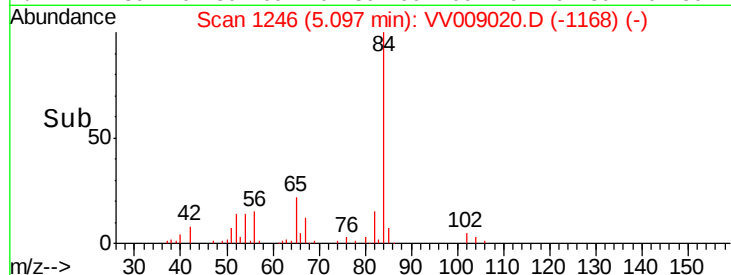
200

100

0

5.06 5.08 5.10 5.12 5.14

Time-->



#36

Methylcyclohexane

Concen: 3.885 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.06 min

Lab File: VV009020.D

Acq: 18 Dec 2018 18:04

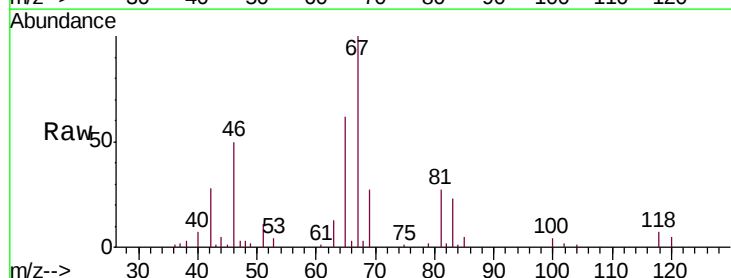
Tgt Ion: 83 Resp: 6724

Ion Ratio Lower Upper

83 100

55 0.0 58.2 87.2#

98 29.4 37.8 56.8#



Abundance Ion 83.00 (82.70 to 83.70): VV009010.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV009010.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV009010.D (-1570) (-)

6.12

4000

3000

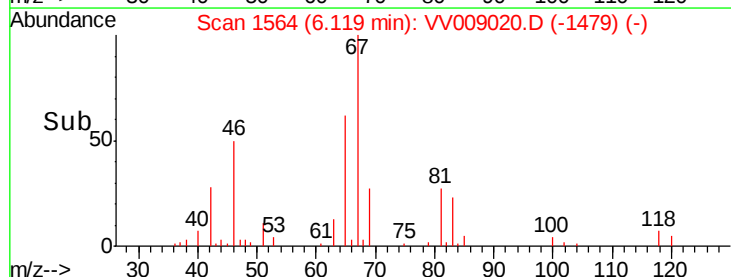
2000

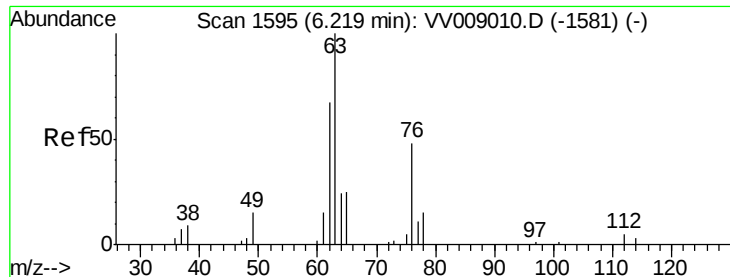
1000

0

6.05 6.10 6.15

Time-->

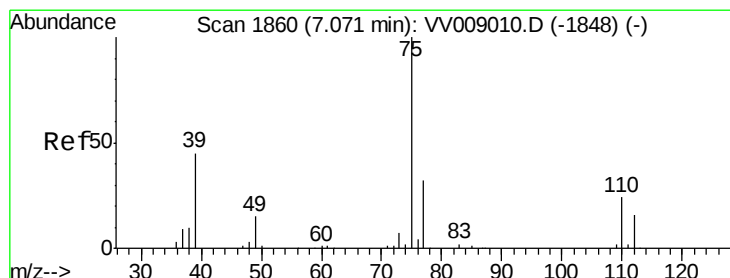
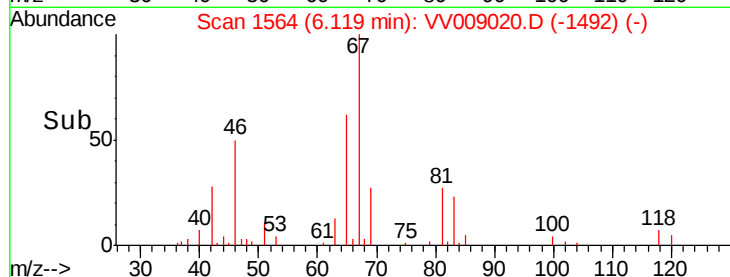
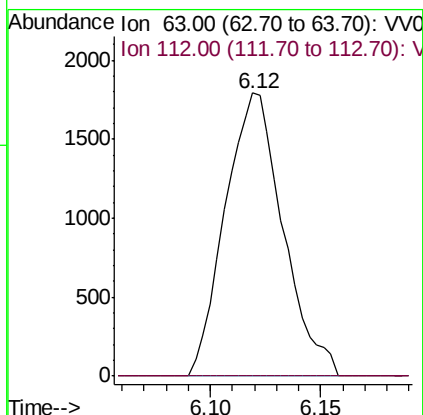
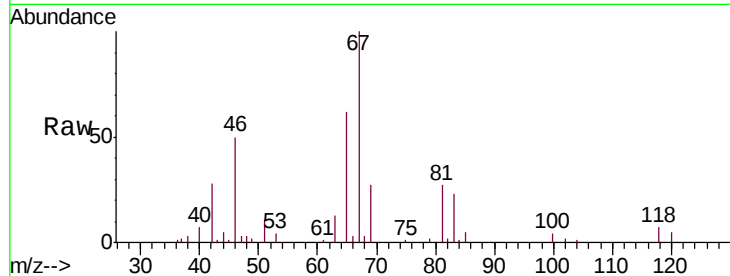




#40
 1,2-Dichloropropane
 Concen: 3.773 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009020.D
 Acq: 18 Dec 2018 18:04

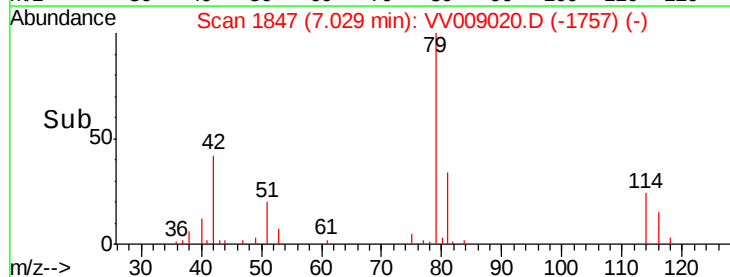
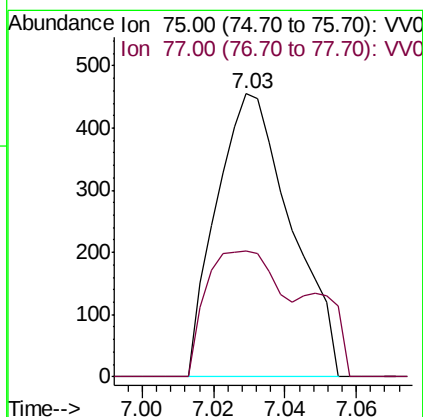
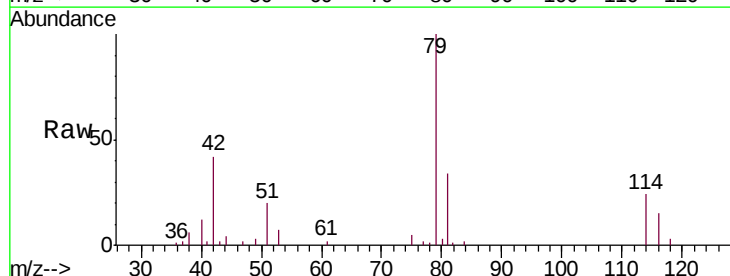
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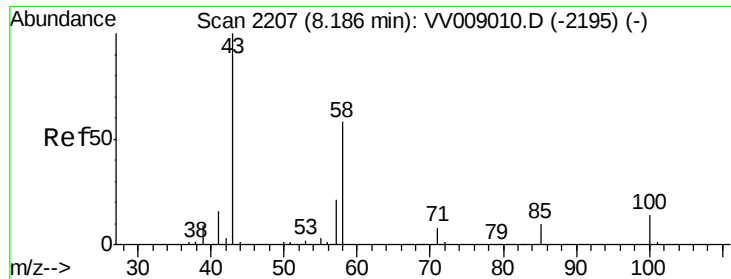
Tgt Ion: 63 Resp: 3259
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.519 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009020.D
 Acq: 18 Dec 2018 18:04

Tgt Ion: 75 Resp: 657
 Ion Ratio Lower Upper
 75 100
 77 44.4 21.3 39.6#

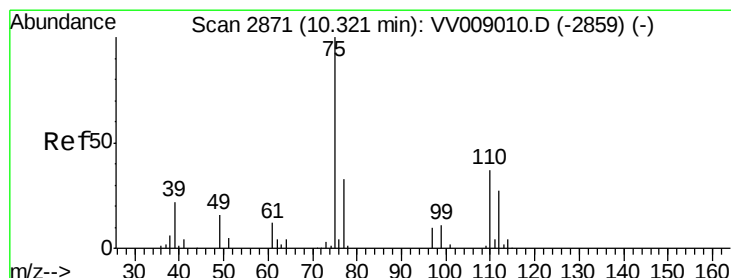
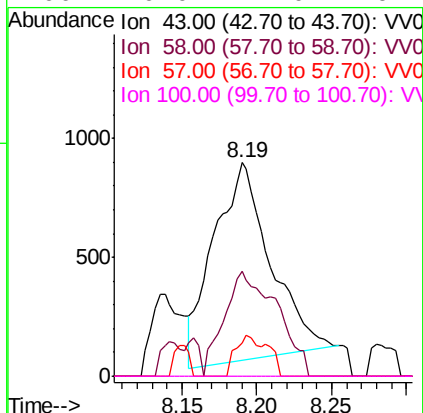
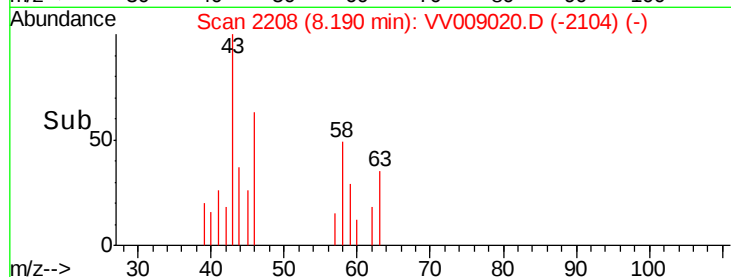
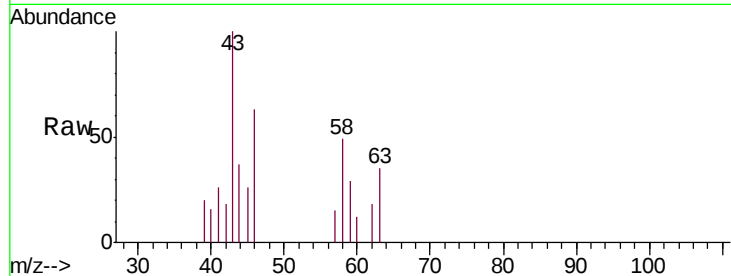




#49
2-Hexanone
Concen: 4.573 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV009020.D
Acq: 18 Dec 2018 18:04

Instrument :
MSVOA_V
ClientSampleId :
BF004

Tgt Ion: 43 Resp: 2209
Ion Ratio Lower Upper
43 100
58 34.5 43.9 65.9#
57 8.4 15.7 23.5#
100 0.0 11.0 16.4#



#59
1,2,3-Trichloropropane
Concen: 2.944 ug/L
RT: 11.31 min Scan# 3177
Delta R.T. 0.98 min
Lab File: VV009020.D
Acq: 18 Dec 2018 18:04

Tgt Ion: 75 Resp: 1982
Ion Ratio Lower Upper
75 100
77 36.6 25.6 38.4

