

Data File : VV009089.D
Acq On : 20 Dec 2018 17:26
Operator : SY/MD
Sample : J6471-05
Misc : 5.13 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9H14RE

Quant Time: Dec 21 00:30:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 00:25:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	198132	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	148991	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47613	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	44792	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	46575	30.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.00%
10) 1,1-Dichloroethene-d2	2.13	63	85631	16.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.80%
20) 2-Butanone-d5	3.94	46	20169	27.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.04%
24) Chloroform-d	4.40	84	116955	24.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.08	65	68159	26.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.88%
29) Benzene-d6	5.10	84	224602	26.99	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.96%
33) 1,2-Dichloropropane-d6	6.12	67	69805	29.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.84%
37) Toluene-d8	7.36	98	185836	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.52%
38) trans-1,3-Dichloropropene-	7.66	79	22307	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.16%
39) 2-Hexanone-d5	8.14	63	13242	31.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	43995	22.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.04%
61) 1,2-Dichlorobenzene-d4	11.68	152	40043	22.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.64%

Target Compounds

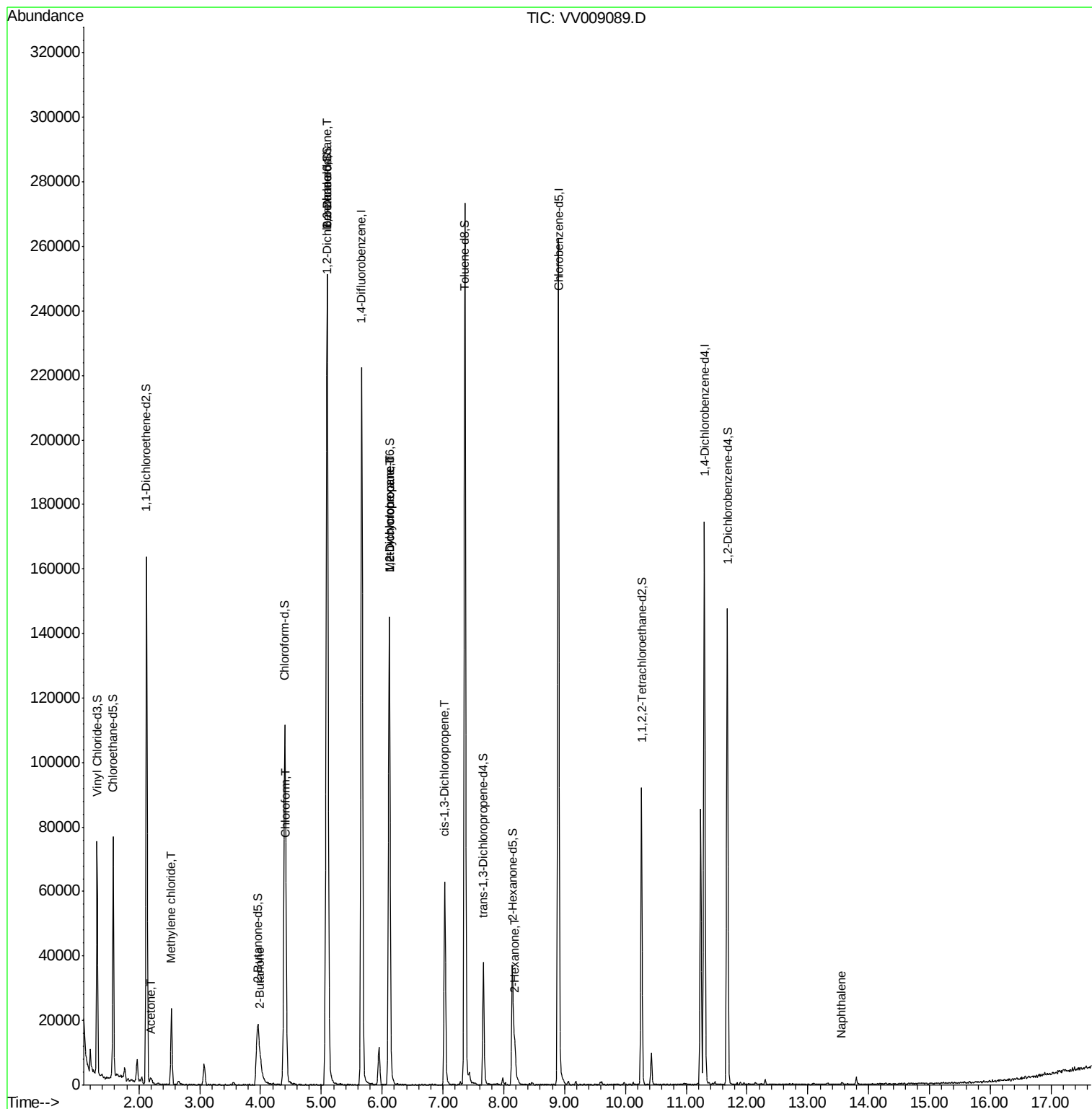
					Qvalue
13) Acetone	2.21	43	1992	1.811 ug/L	86
16) Methylene chloride	2.53	84	10431	3.126 ug/L	96
21) 2-Butanone	4.00	43	3990	3.871 ug/L #	47
25) Chloroform	4.43	83	3573	0.744 ug/L	97
27) 1,2-Dichloroethane	5.10	62	1141	0.349 ug/L #	75
36) Methylcyclohexane	6.12	83	17740	4.133 ug/L #	20
40) 1,2-Dichloropropane	6.12	63	7731	3.609 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	1716	0.547 ug/L #	77
49) 2-Hexanone	8.18	43	6972	5.820 ug/L #	82
69) Naphthalene	13.56	128	792	0.296 ug/L #	70

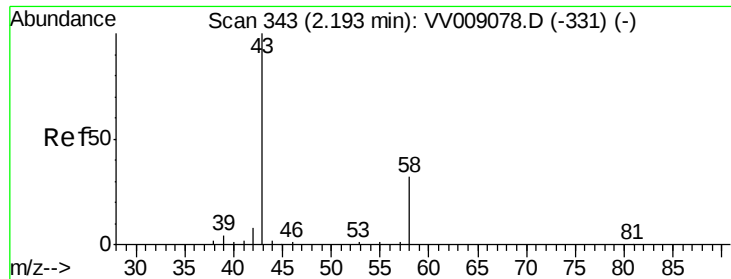
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.811 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV009089.D

Acq: 20 Dec 2018 17:26

Instrument :

MSVOA_V

ClientSampled :

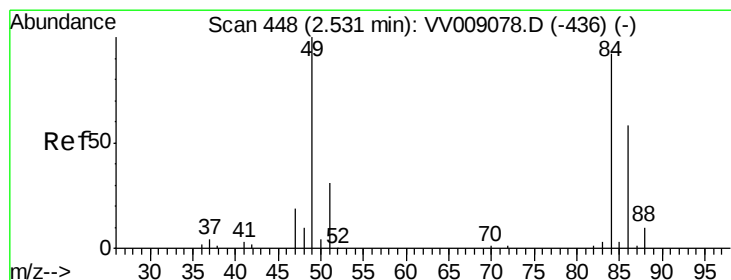
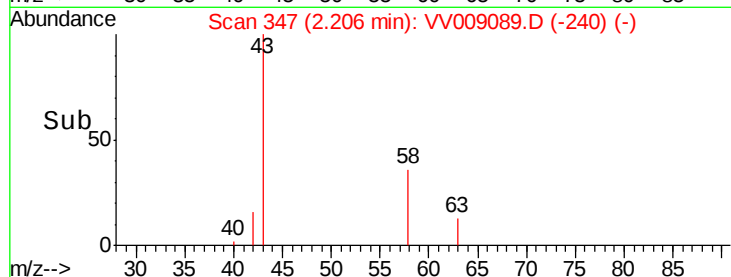
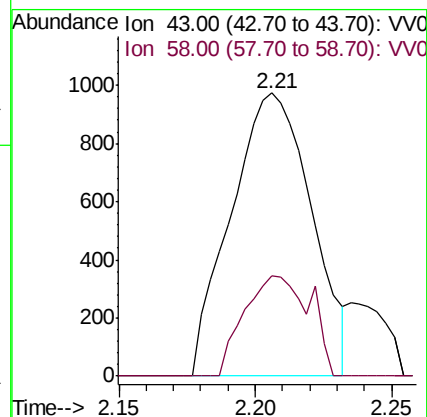
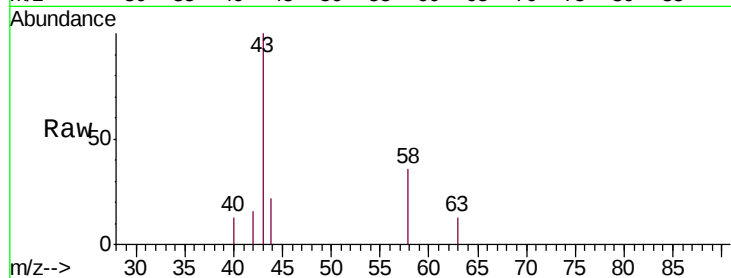
F9H14RE

Tgt Ion: 43 Resp: 1992

Ion Ratio Lower Upper

43 100

58 24.9 0.0 65.4



#16

Methylene chloride

Concen: 3.126 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009089.D

Acq: 20 Dec 2018 17:26

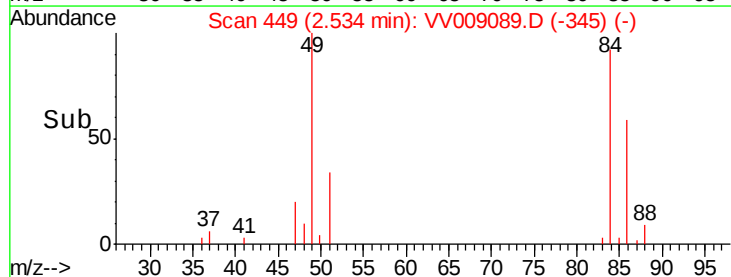
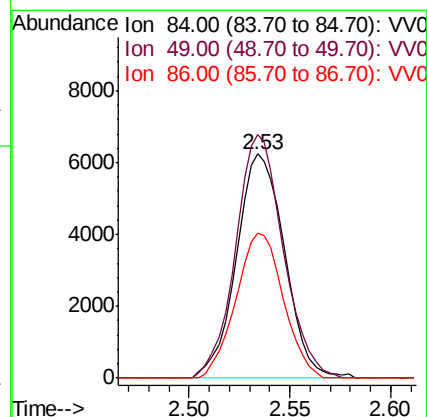
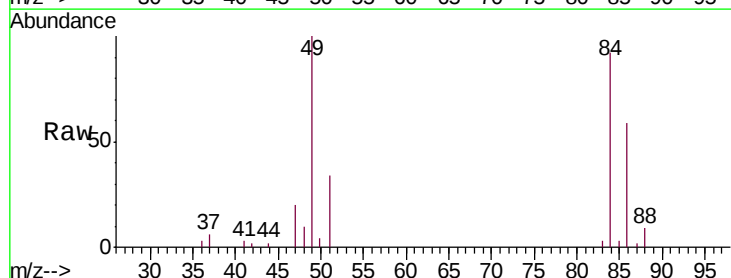
Tgt Ion: 84 Resp: 10431

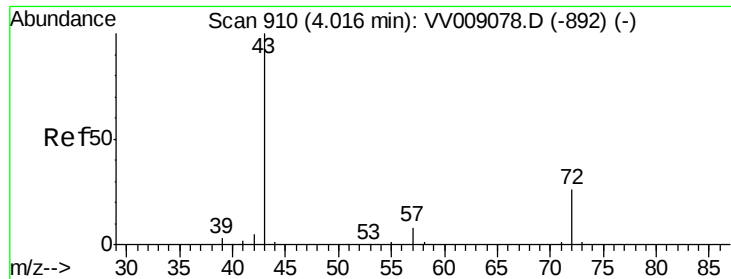
Ion Ratio Lower Upper

84 100

49 108.5 80.5 149.5

86 64.5 45.5 84.5

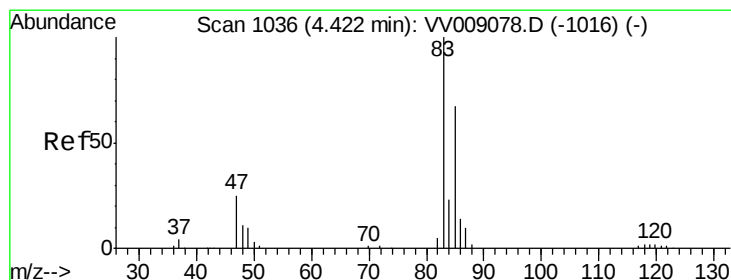
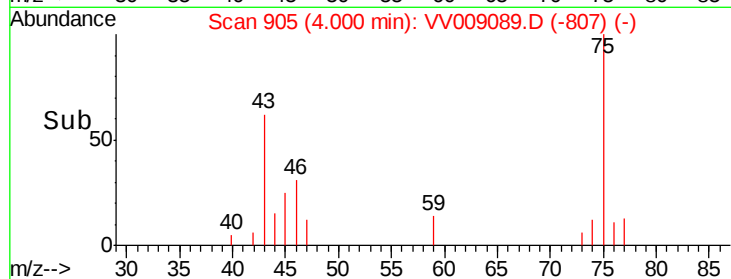
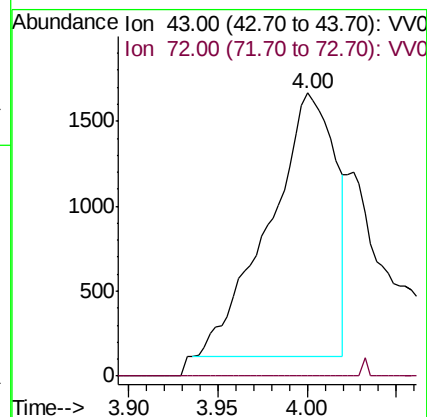
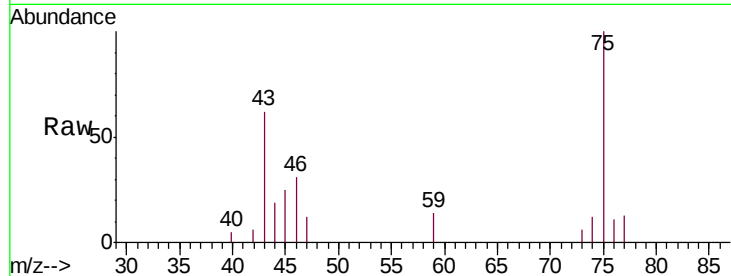




#21
2-Butanone
Concen: 3.871 ug/L
RT: 4.00 min Scan# 905
Delta R.T. -0.02 min
Lab File: VV009089.D
Acq: 20 Dec 2018 17:26

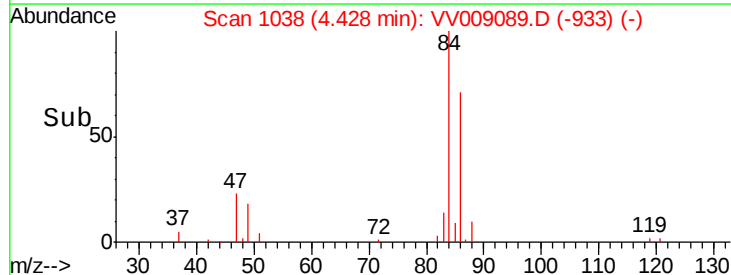
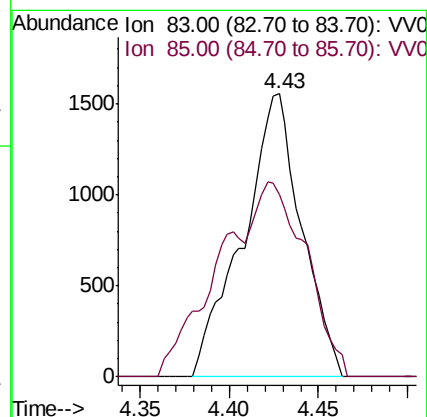
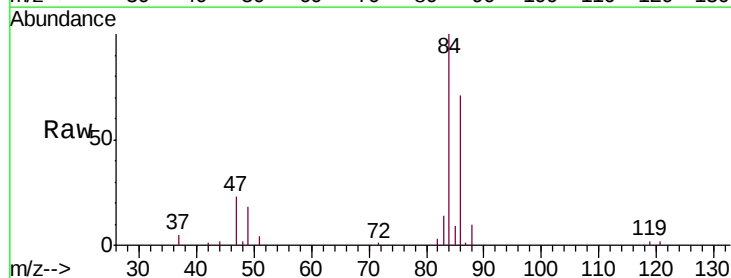
Instrument :
MSVOA_V
ClientSampleId :
F9H14RE

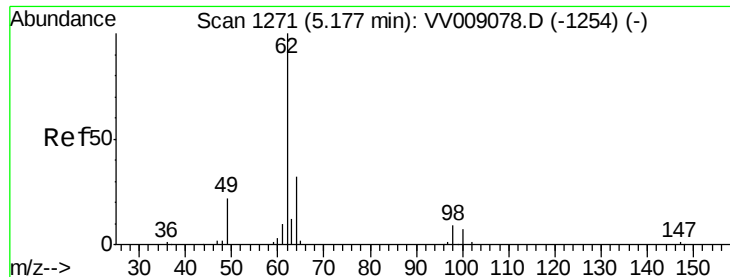
Tgt Ion: 43 Resp: 3990
Ion Ratio Lower Upper
43 100
72 0.0 13.7 41.1#



#25
Chloroform
Concen: 0.744 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV009089.D
Acq: 20 Dec 2018 17:26

Tgt Ion: 83 Resp: 3573
Ion Ratio Lower Upper
83 100
85 62.7 45.6 84.8





#27

1,2-Dichloroethane

Concen: 0.349 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV009089.D

Acq: 20 Dec 2018 17:26

Instrument :

MSVOA_V

ClientSampleId :

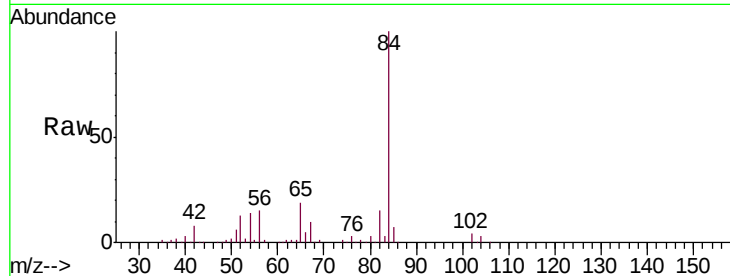
F9H14RE

Tgt Ion: 62 Resp: 1141

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.10

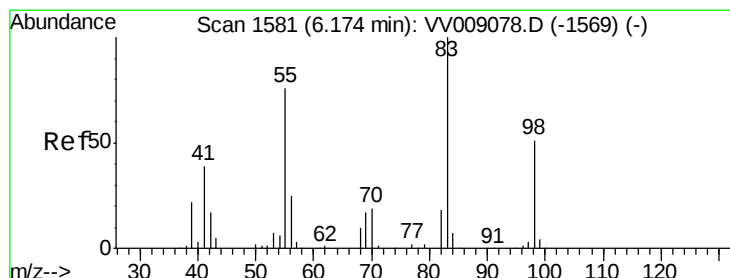
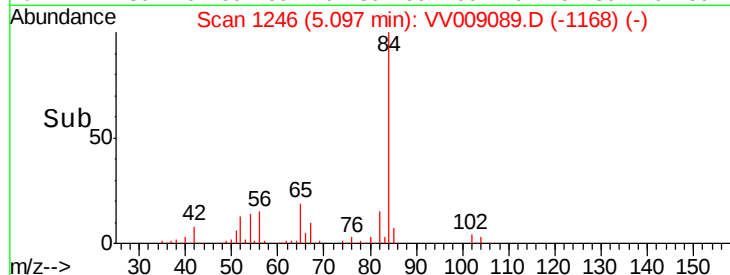
600

400

200

0

Time-->



#36

Methylcyclohexane

Concen: 4.133 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV009089.D

Acq: 20 Dec 2018 17:26

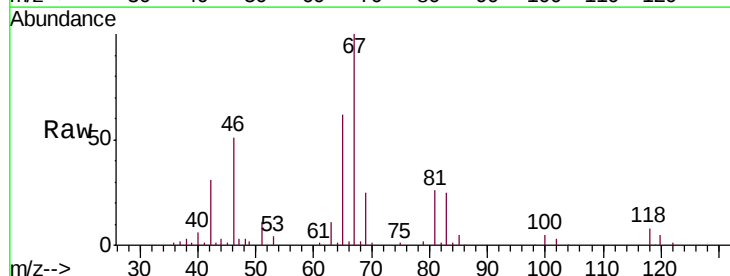
Tgt Ion: 83 Resp: 17740

Ion Ratio Lower Upper

83 100

55 0.0 58.2 87.2#

98 0.4 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

12000

10000

8000

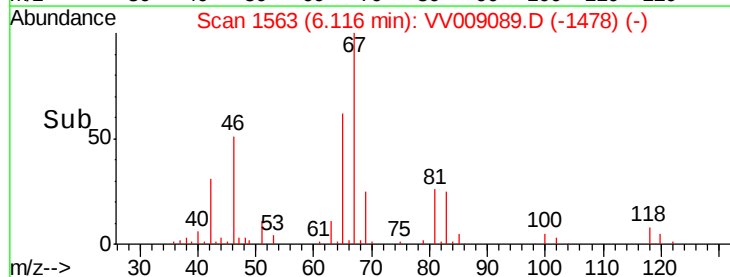
6000

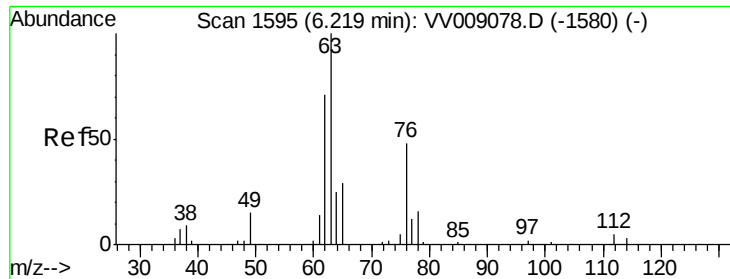
4000

2000

0

Time-->

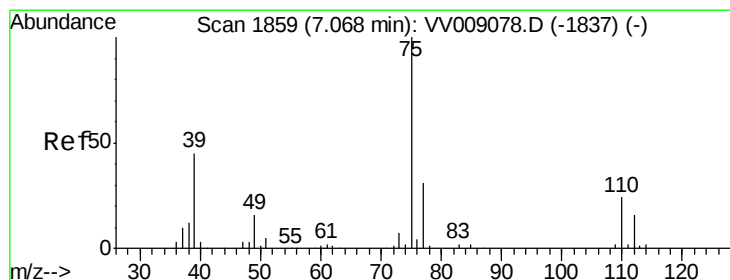
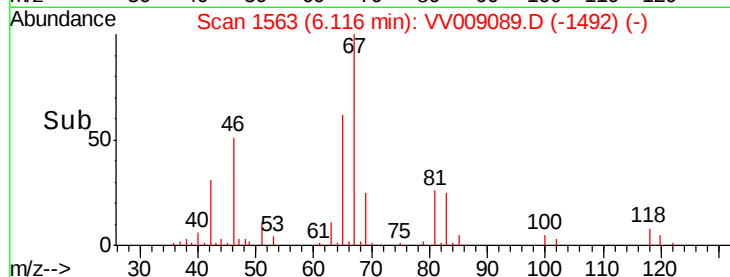
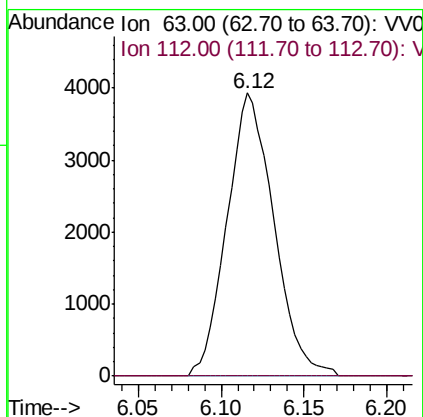
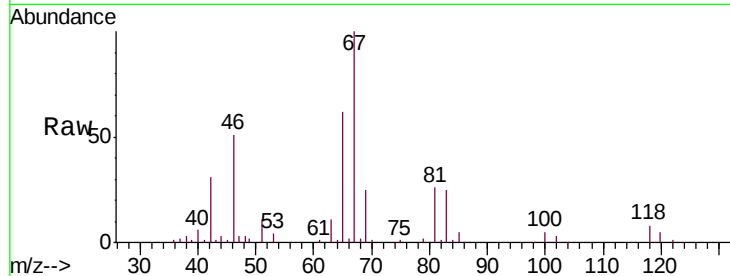




#40
 1,2-Dichloropropane
 Concen: 3.609 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV009089.D
 Acq: 20 Dec 2018 17:26

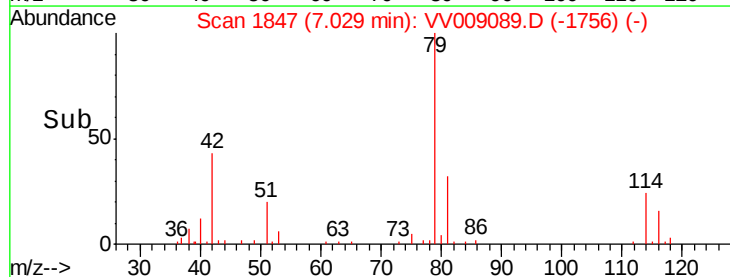
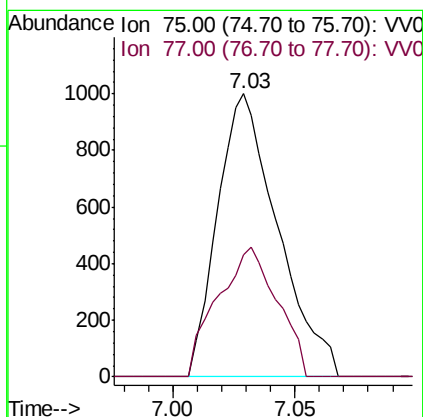
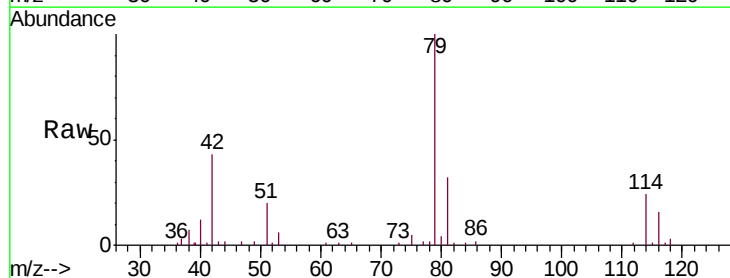
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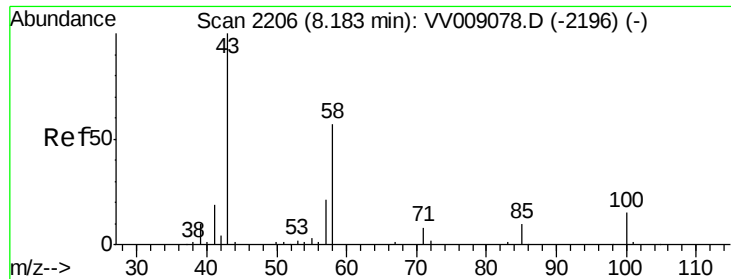
Tgt Ion: 63 Resp: 7731
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.547 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009089.D
 Acq: 20 Dec 2018 17:26

Tgt Ion: 75 Resp: 1716
 Ion Ratio Lower Upper
 75 100
 77 43.0 21.3 39.6#

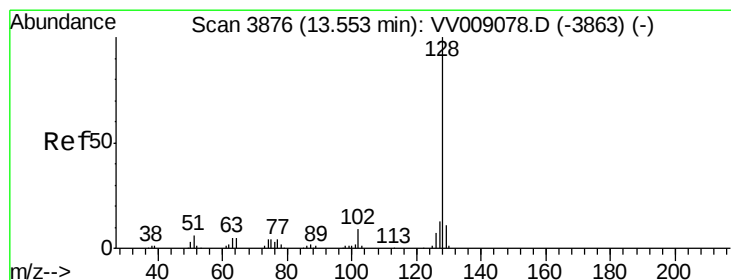
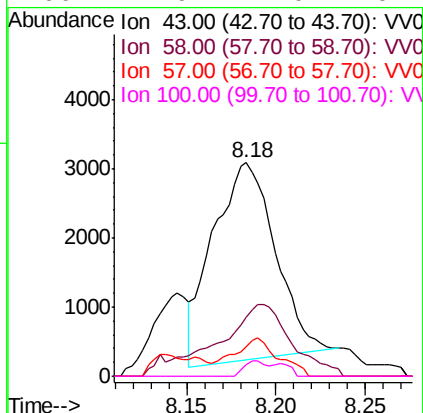
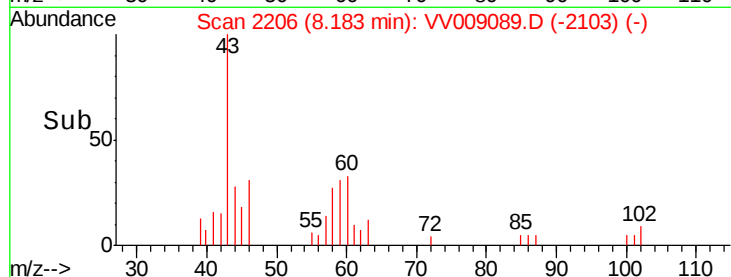
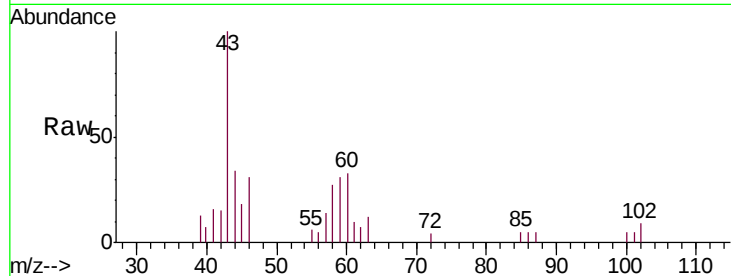




#49
2-Hexanone
Concen: 5.820 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009089.D
Acq: 20 Dec 2018 17:26

Instrument :
MSVOA_V
ClientSampleId :
F9H14RE

Tgt Ion: 43 Resp: 6972
Ion Ratio Lower Upper
43 100
58 41.5 43.9 65.9#
57 14.0 15.7 23.5#
100 2.9 11.0 16.4#



#69
Naphthalene
Concen: 0.296 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV009089.D
Acq: 20 Dec 2018 17:26

Tgt Ion: 128 Resp: 792
Ion Ratio Lower Upper
128 100
129 0.0 8.6 13.0#
127 0.0 10.0 15.0#

