

Data File : VV009503.D
Acq On : 05 Mar 2019 23:12
Operator : SY/MD
Sample : K1720-04
Misc : 2.94G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF8B2

Quant Time: Mar 06 04:17:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 06 04:12:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	147659	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	128818	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47444	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36401	20.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.92%
7) Chloroethane-d5	1.57	69	58140	22.62	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.48%
10) 1,1-Dichloroethene-d2	2.12	63	80837	17.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.92%
20) 2-Butanone-d5	3.95	46	23578	38.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.86%
24) Chloroform-d	4.40	84	91709	26.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.28%
26) 1,2-Dichloroethane-d4	5.08	65	55652	27.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.24%
29) Benzene-d6	5.10	84	183052	28.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.76%
33) 1,2-Dichloropropane-d6	6.12	67	57490	30.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.12%#
37) Toluene-d8	7.36	98	167488	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.72%
38) trans-1,3-Dichloropropene-	7.67	79	20270	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.88%
39) 2-Hexanone-d5	8.13	63	20965	47.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50002	24.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.68%
61) 1,2-Dichlorobenzene-d4	11.68	152	46957	27.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.44%

Target Compounds

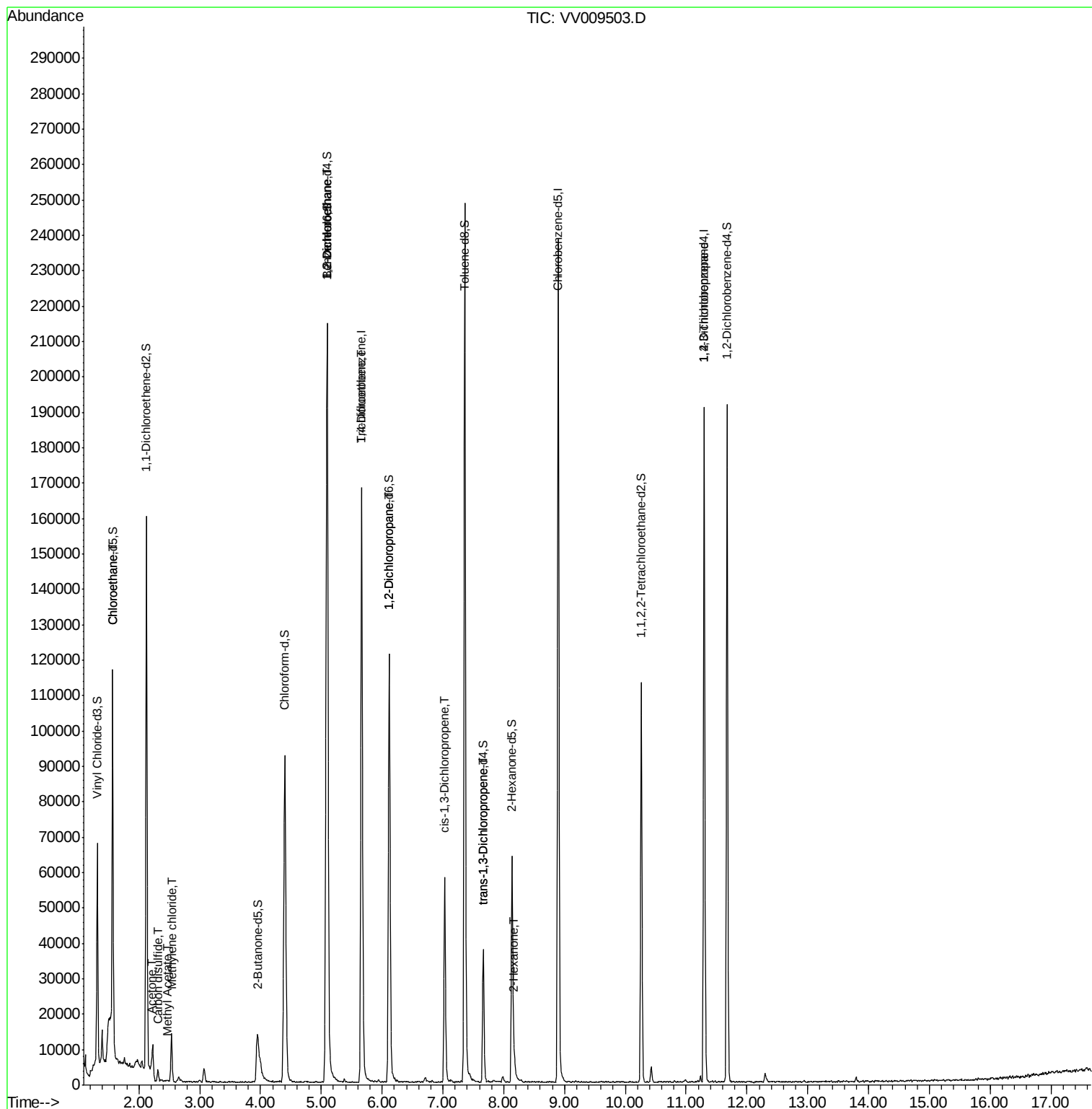
					Qvalue	
8) Chloroethane	1.58	64	2958	1.333	ug/L #	58
13) Acetone	2.20	43	5182	8.415	ug/L	98
14) Carbon disulfide	2.32	76	3952	0.794	ug/L #	95
15) Methyl Acetate	2.47	43	589	0.591	ug/L #	48
16) Methylene chloride	2.54	84	5681	2.932	ug/L	90
27) 1,2-Dichloroethane	5.09	62	983	0.408	ug/L #	77
35) Trichloroethene	5.66	95	4493	2.349	ug/L #	6
40) 1,2-Dichloropropane	6.12	63	6916	4.030	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1486	0.558	ug/L #	66
45) trans-1,3-Dichloropropene	7.66	75	1127	0.484	ug/L	93
49) 2-Hexanone	8.17	43	3804	3.718	ug/L #	37
59) 1,2,3-Trichloropropane	11.30	75	6815	4.696	ug/L #	85

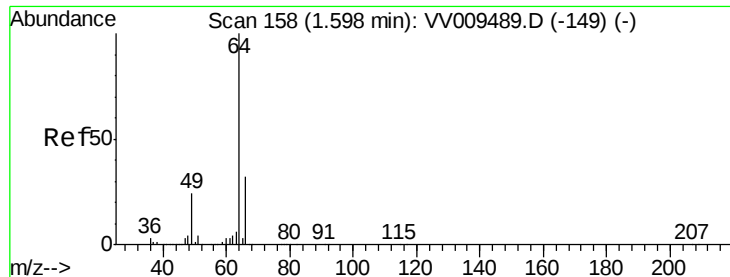
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Mar 06 04:12:03 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.333 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.02 min

Lab File: VV009503.D

Acq: 05 Mar 2019 23:12

Instrument :

MSVOA_V

ClientSampled :

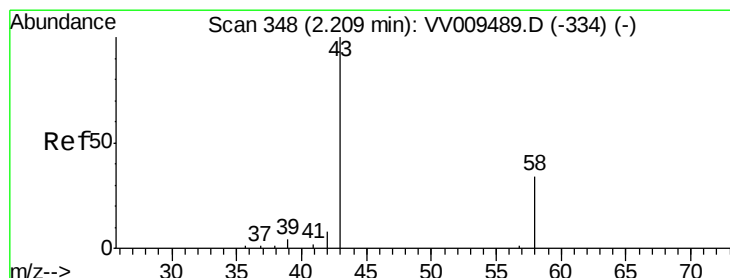
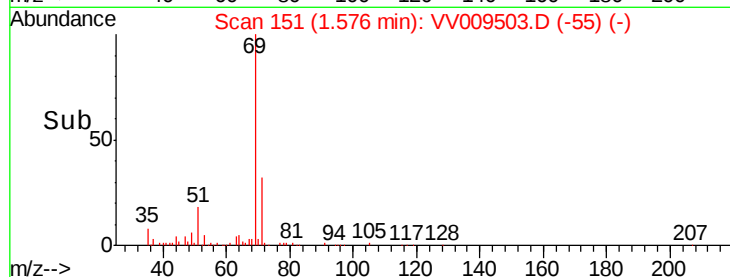
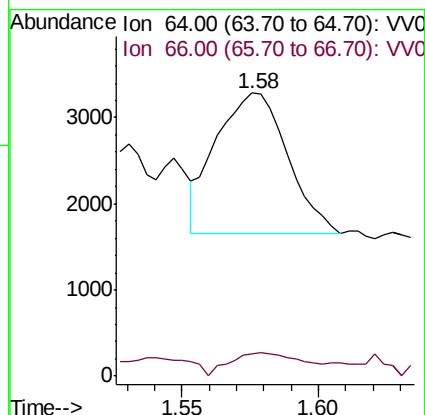
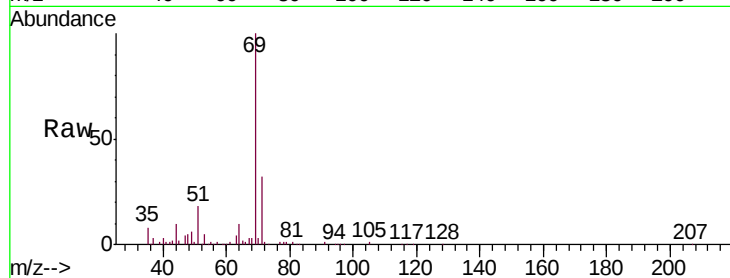
BF8B2

Tgt Ion: 64 Resp: 2958

Ion Ratio Lower Upper

64 100

66 7.9 21.8 40.6#



#13

Acetone

Concen: 8.415 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

Lab File: VV009503.D

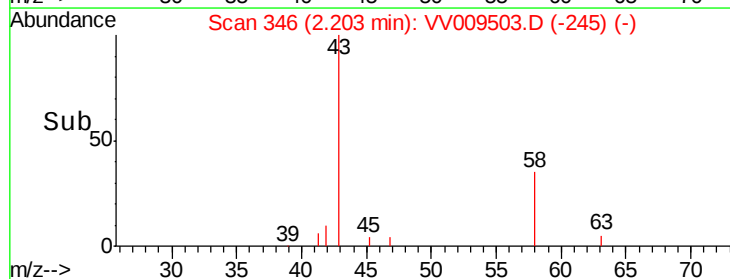
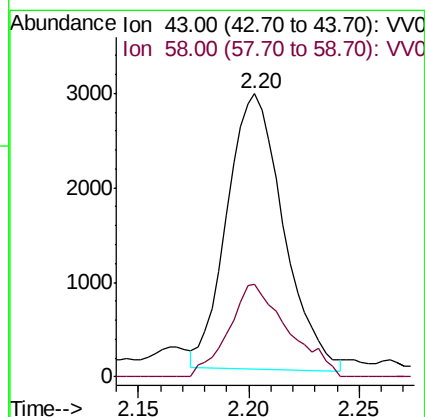
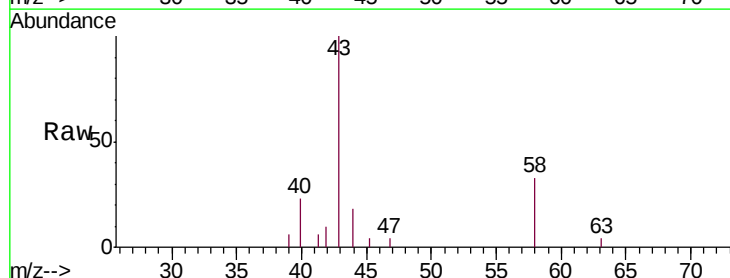
Acq: 05 Mar 2019 23:12

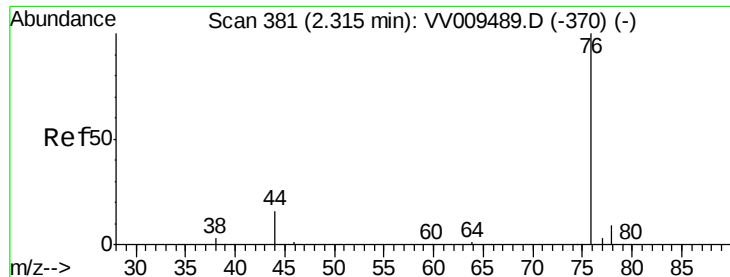
Tgt Ion: 43 Resp: 5182

Ion Ratio Lower Upper

43 100

58 35.5 0.0 68.8





#14

Carbon disulfide

Concen: 0.794 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009503.D

Acq: 05 Mar 2019 23:12

Instrument :

MSVOA_V

ClientSampled :

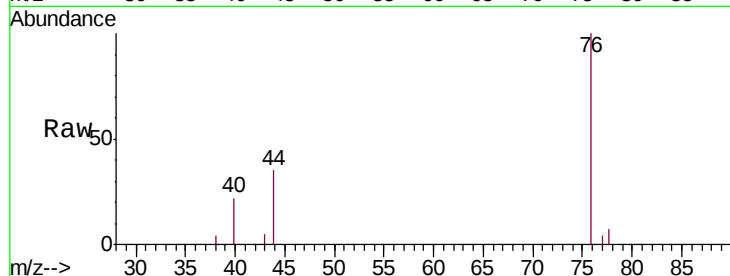
BF8B2

Tgt Ion: 76 Resp: 3952

Ion Ratio Lower Upper

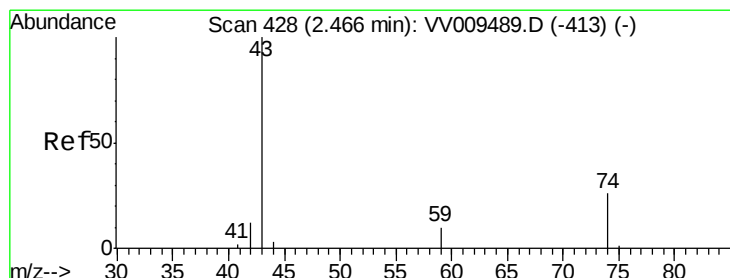
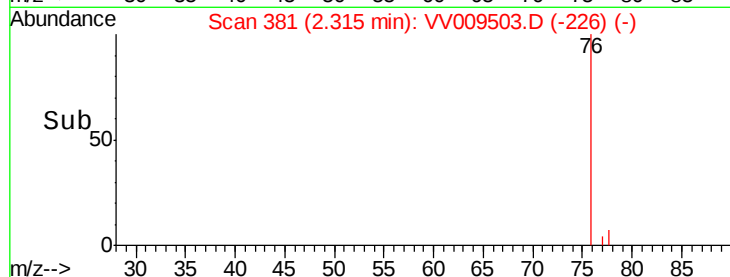
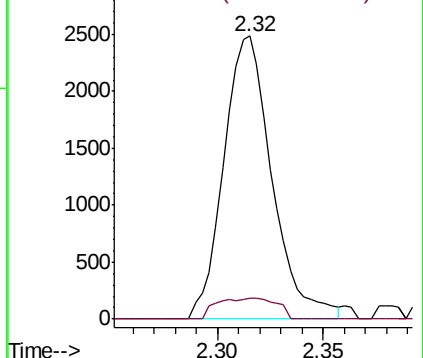
76 100

78 7.5 7.5 11.3#



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.591 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.01 min

Lab File: VV009503.D

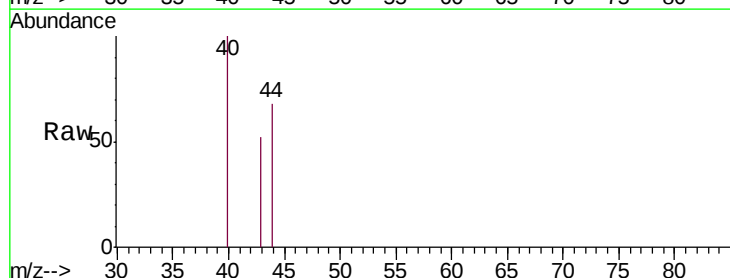
Acq: 05 Mar 2019 23:12

Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

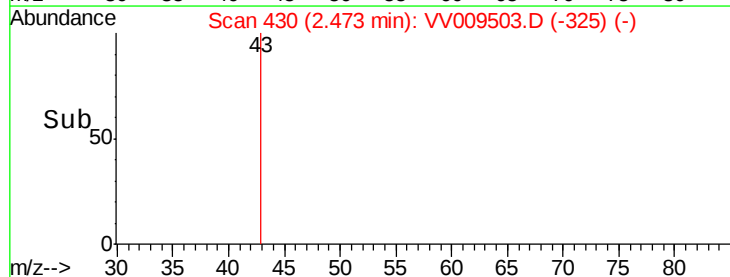
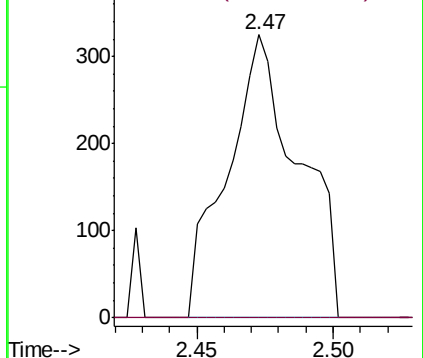
43 100

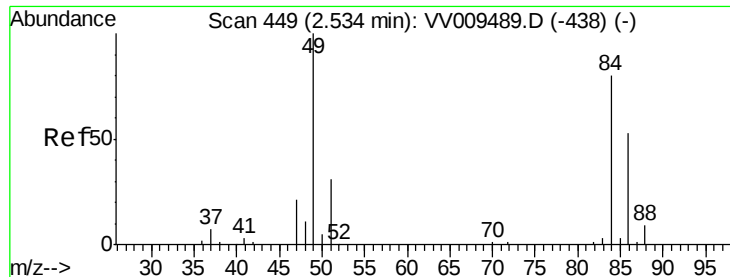
74 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

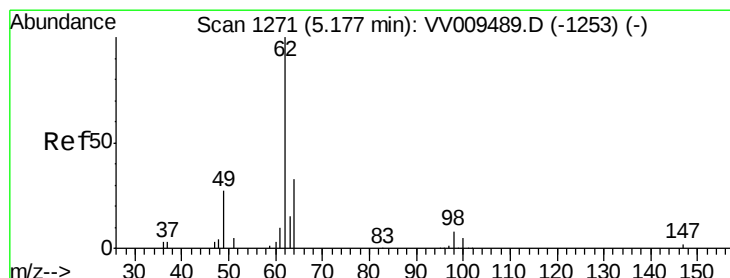
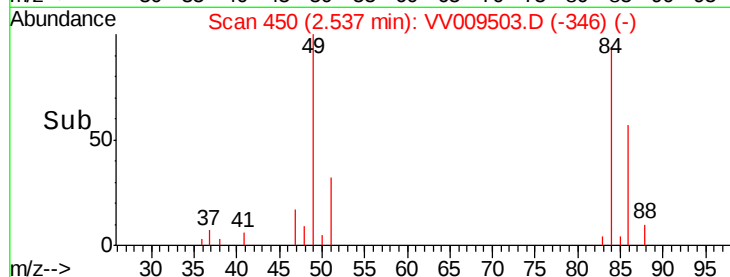
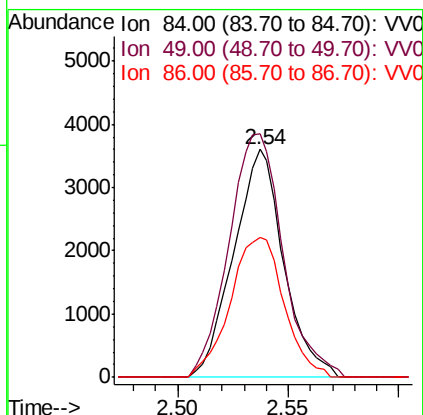
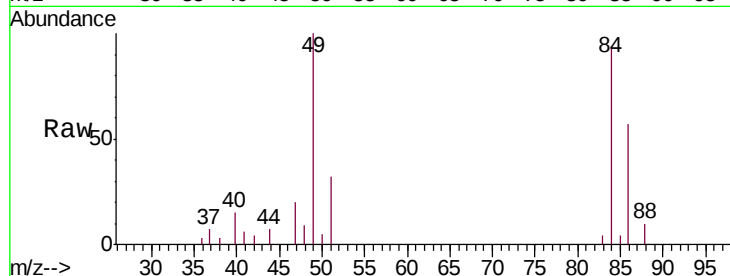




#16
Methylene chloride
Concen: 2.932 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009503.D
Acq: 05 Mar 2019 23:12

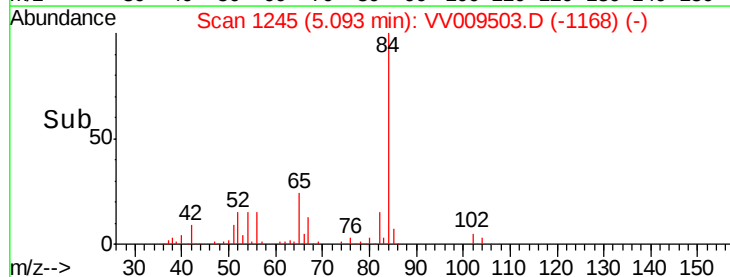
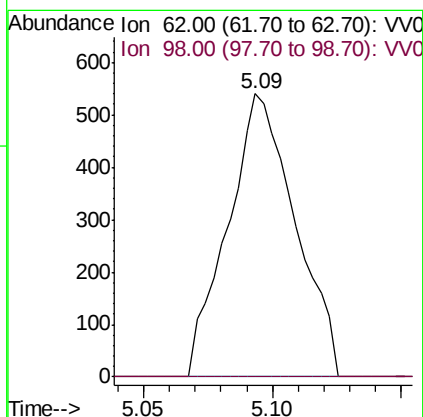
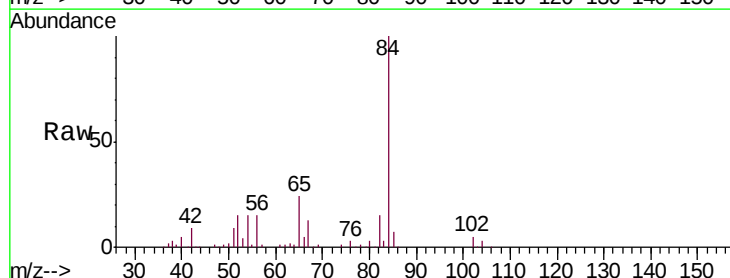
Instrument :
MSVOA_V
ClientSampleId :
BF8B2

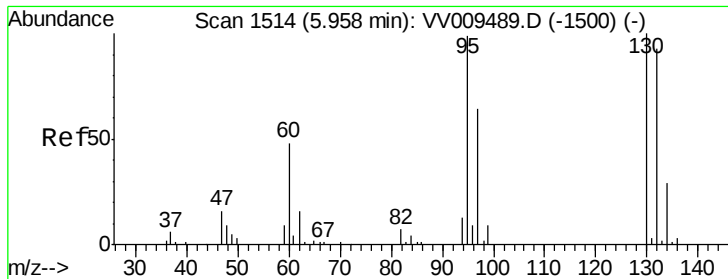
Tgt Ion: 84 Resp: 5681
Ion Ratio Lower Upper
84 100
49 106.9 84.6 157.0
86 61.2 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.408 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.08 min
Lab File: VV009503.D
Acq: 05 Mar 2019 23:12

Tgt Ion: 62 Resp: 983
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#35

Trichloroethene

Concen: 2.349 ug/L

RT: 5.66 min Scan# 1421

Delta R.T. -0.30 min

Lab File: VV009503.D

Acq: 05 Mar 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

BF8B2

Tgt Ion: 95 Resp: 4493

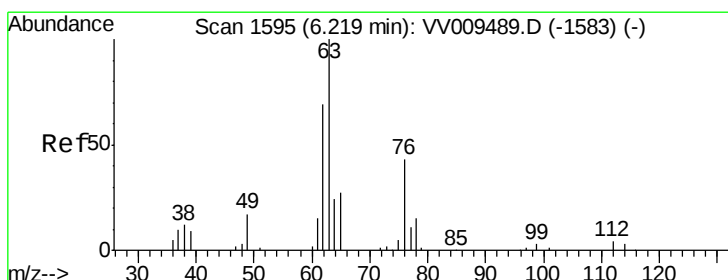
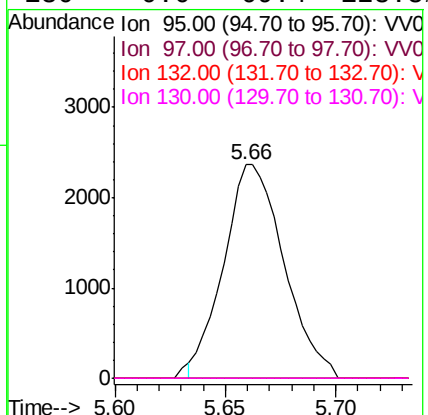
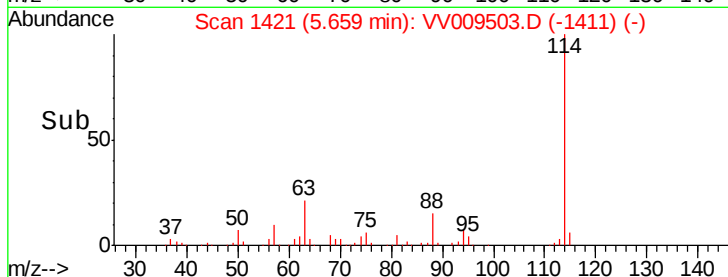
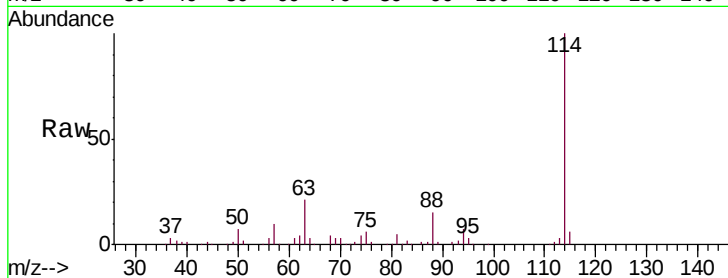
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#



#40

1,2-Dichloropropane

Concen: 4.030 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009503.D

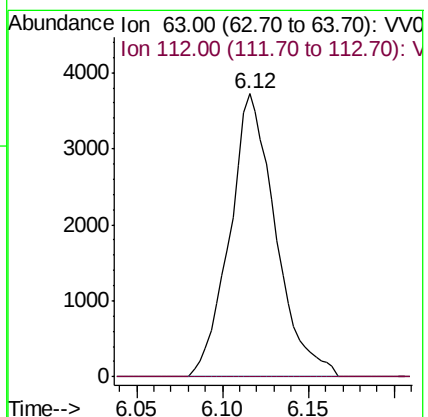
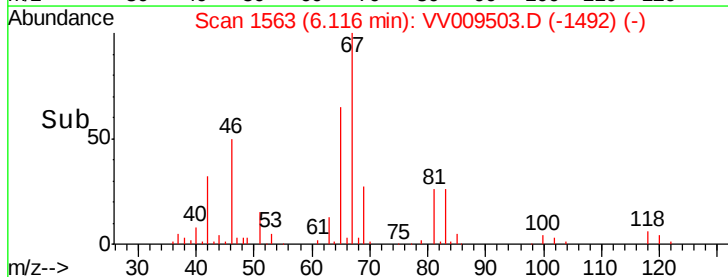
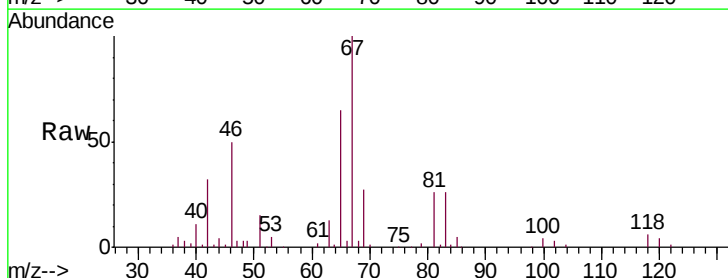
Acq: 05 Mar 2019 23:12

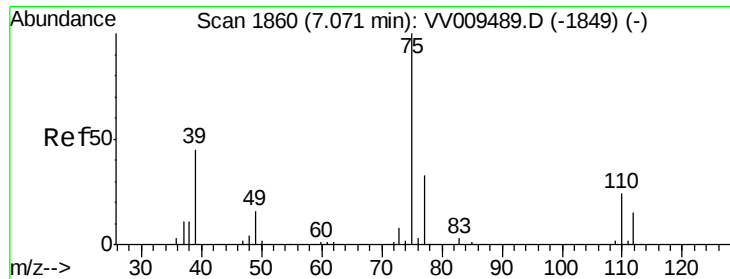
Tgt Ion: 63 Resp: 6916

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



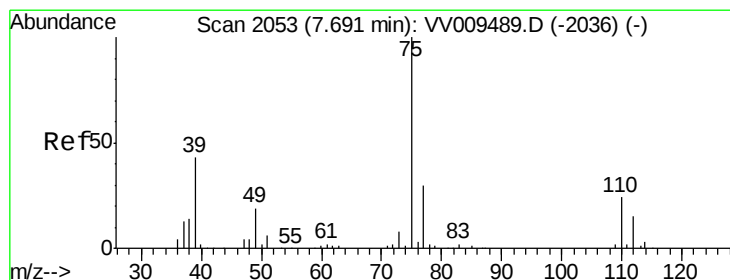
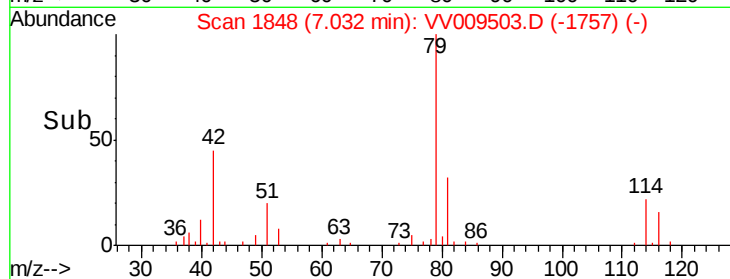
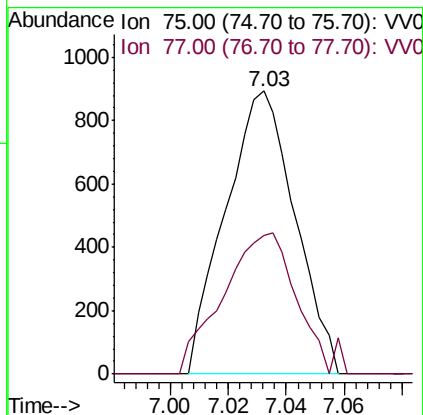
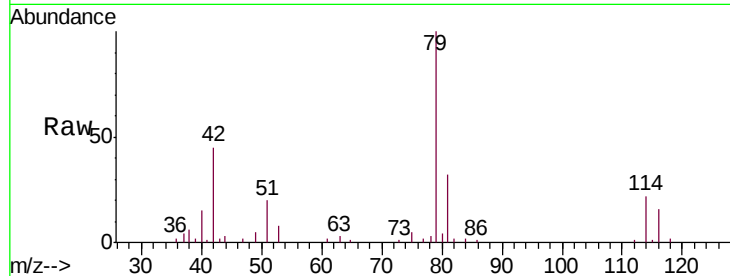


#42

cis-1,3-Dichloropropene
Concen: 0.558 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV009503.D
Acq: 05 Mar 2019 23:12

Instrument :
MSVOA_V
ClientSampleId :
BF8B2

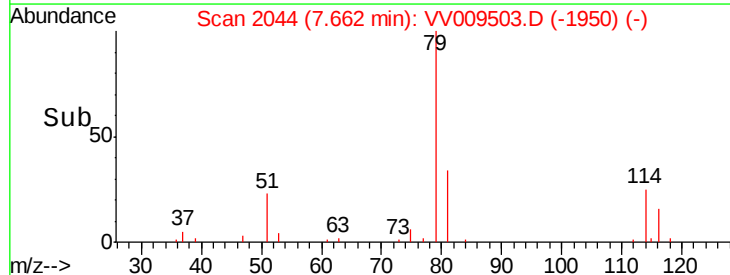
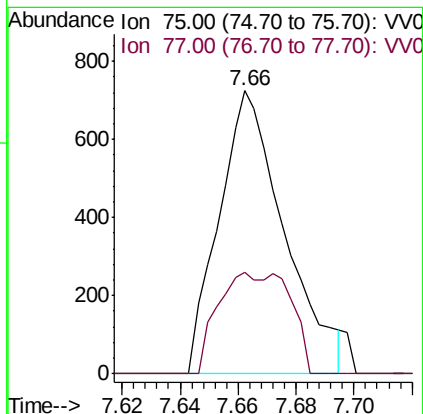
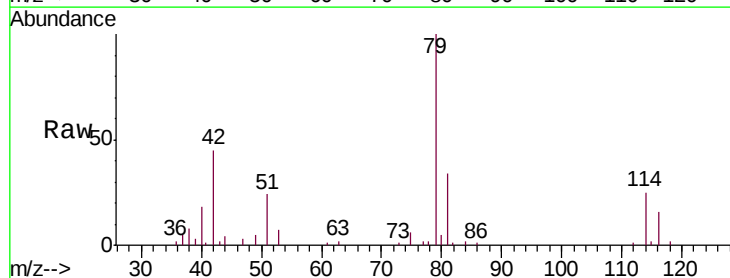
Tgt Ion: 75 Resp: 1486
Ion Ratio Lower Upper
75 100
77 49.0 21.4 39.8#

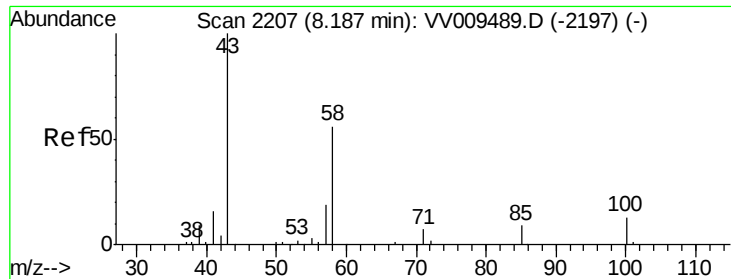


#45

trans-1,3-Dichloropropene
Concen: 0.484 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV009503.D
Acq: 05 Mar 2019 23:12

Tgt Ion: 75 Resp: 1127
Ion Ratio Lower Upper
75 100
77 35.9 22.5 41.7

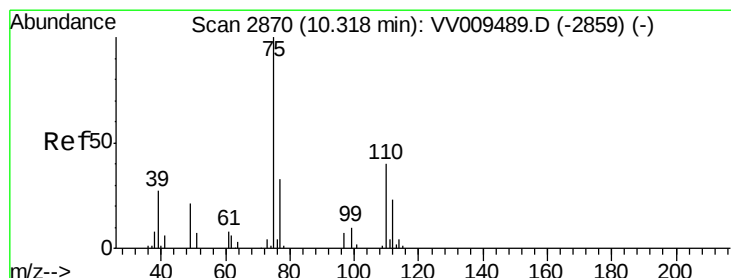
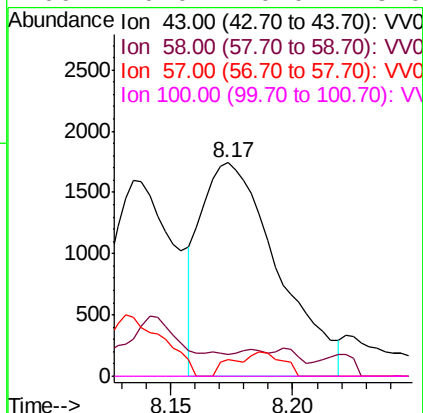
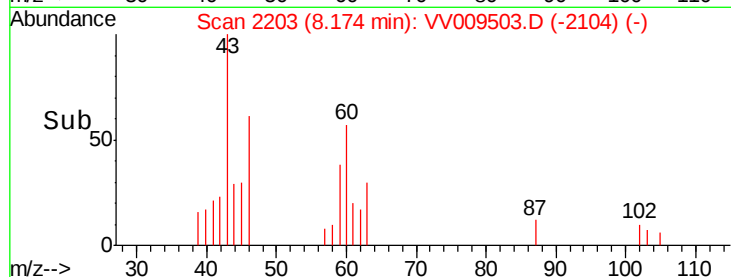
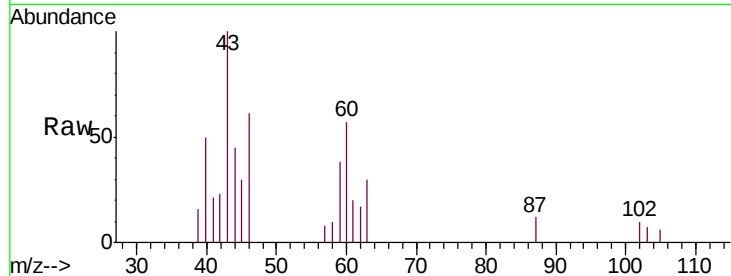




#49
2-Hexanone
Concen: 3.718 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VV009503.D
Acq: 05 Mar 2019 23:12

Instrument :
MSVOA_V
ClientSampled :
BF8B2

Tgt Ion: 43 Resp: 3804
Ion Ratio Lower Upper
43 100
58 0.0 46.3 69.5#
57 2.5 15.8 23.6#
100 0.0 10.0 15.0#



#59
1,2,3-Trichloropropane
Concen: 4.696 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV009503.D
Acq: 05 Mar 2019 23:12

Tgt Ion: 75 Resp: 6815
Ion Ratio Lower Upper
75 100
77 40.5 25.9 38.9#

