

Data File : VV009502.D
Acq On : 05 Mar 2019 22:45
Operator : SY/MD
Sample : K1720-03
Misc : 5.37G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF8A9

Quant Time: Mar 06 04:17:05 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	107501	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	94689	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	34362	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29587	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.44%
7) Chloroethane-d5	1.58	69	55355	29.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.32%
10) 1,1-Dichloroethene-d2	2.13	63	63083	18.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.92%
20) 2-Butanone-d5	3.95	46	25282	57.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.66%
24) Chloroform-d	4.40	84	68887	26.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.08	65	45677	31.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	125.40%
29) Benzene-d6	5.10	84	137174	29.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.00%
33) 1,2-Dichloropropane-d6	6.12	67	43912	31.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.92%#
37) Toluene-d8	7.36	98	123629	27.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.16%
38) trans-1,3-Dichloropropene-	7.66	79	18010	26.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.40%
39) 2-Hexanone-d5	8.14	63	20923	64.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	45375	30.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	123.08%#
61) 1,2-Dichlorobenzene-d4	11.68	152	35573	28.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.44%

Target Compounds

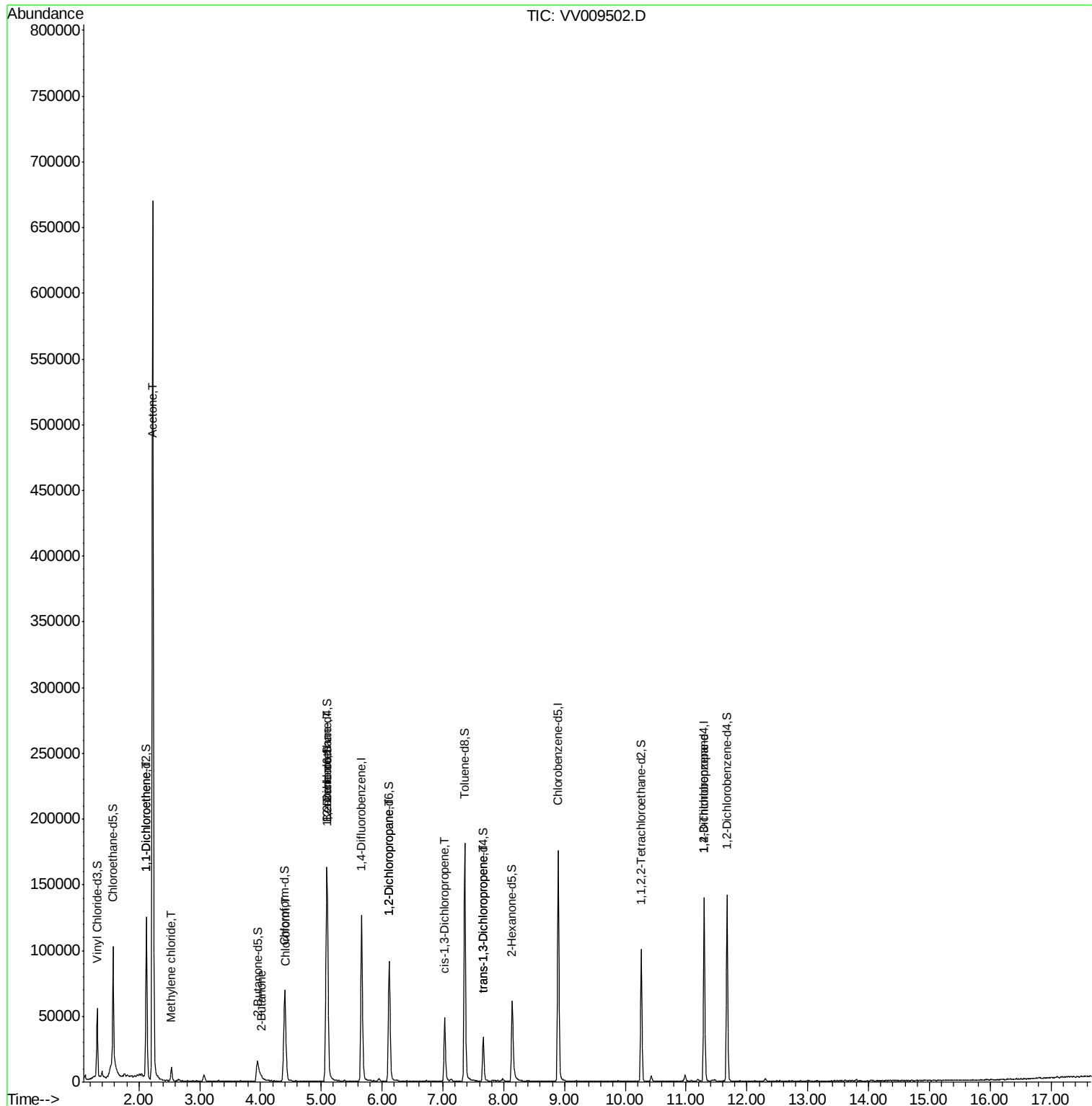
					Qvalue	
12) 1,1-Dichloroethene	2.13	96	675	0.472	ug/L #	1
13) Acetone	2.21	43	2244	5.005	ug/L #	1
16) Methylene chloride	2.54	84	4489	3.182	ug/L	92
21) 2-Butanone	4.02	43	810	1.431	ug/L #	48
25) Chloroform	4.42	83	2079	0.824	ug/L	79
27) 1,2-Dichloroethane	5.10	62	653	0.372	ug/L #	77
40) 1,2-Dichloropropane	6.12	63	5343	4.235	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1493	0.762	ug/L	84
45) trans-1,3-Dichloropropene	7.66	75	965	0.564	ug/L #	69
59) 1,2,3-Trichloropropane	11.30	75	4912	4.604	ug/L	89

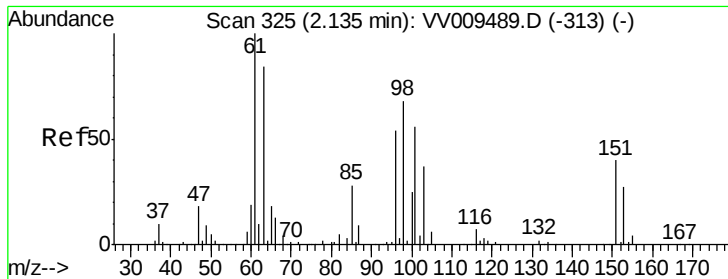
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.472 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009502.D

Acq: 05 Mar 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

BF8A9

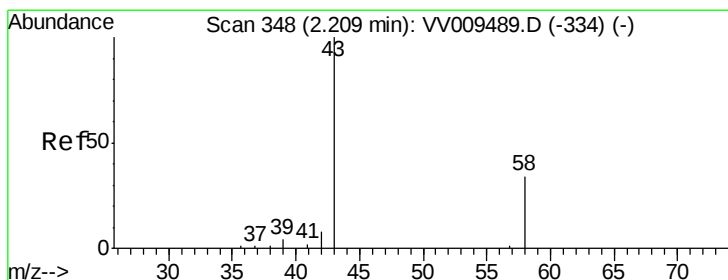
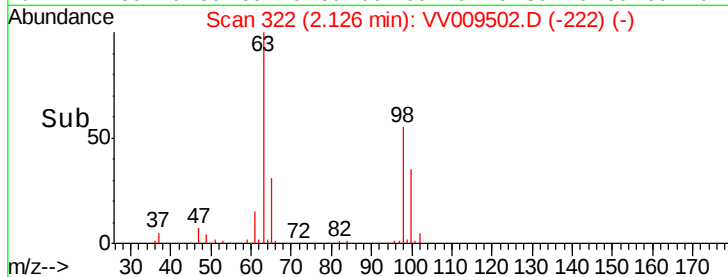
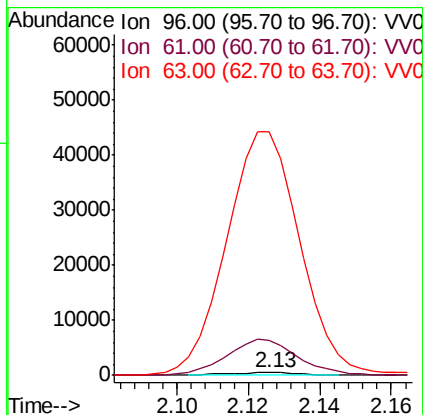
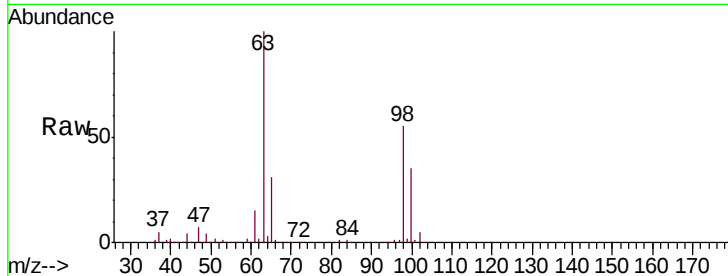
Tgt Ion: 96 Resp: 675

Ion Ratio Lower Upper

96 100

61 1476.0 136.9 254.3#

63 10121.7 108.7 201.9#



#13

Acetone

Concen: 5.005 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV009502.D

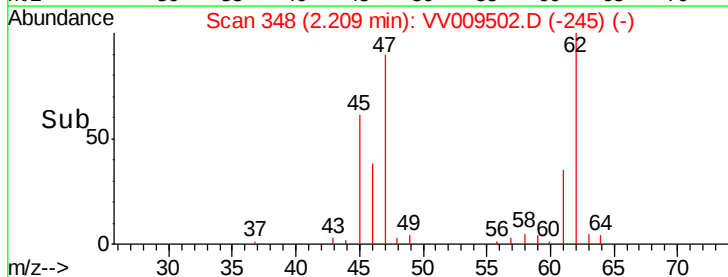
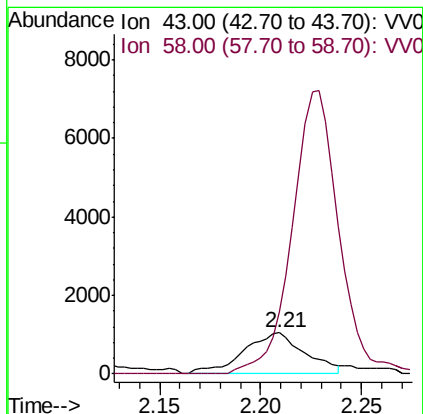
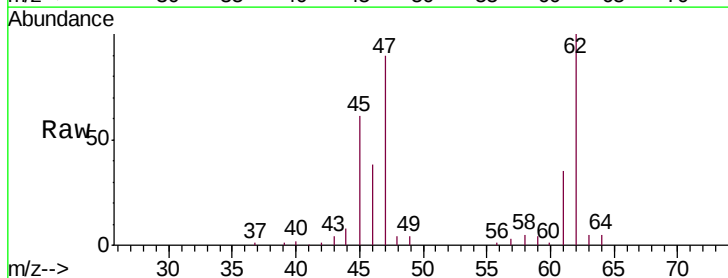
Acq: 05 Mar 2019 22:45

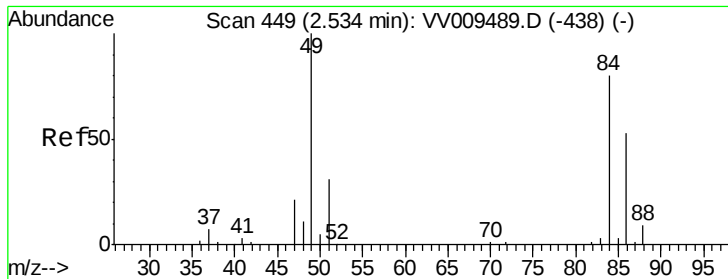
Tgt Ion: 43 Resp: 2244

Ion Ratio Lower Upper

43 100

58 502.8 0.0 68.8#

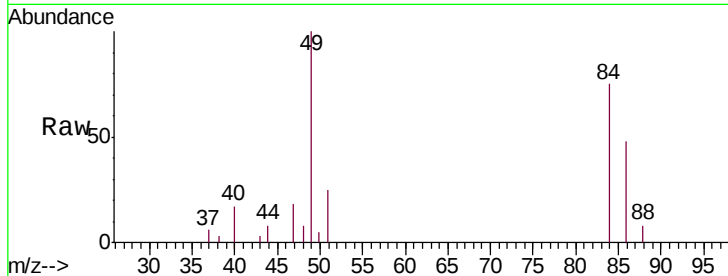




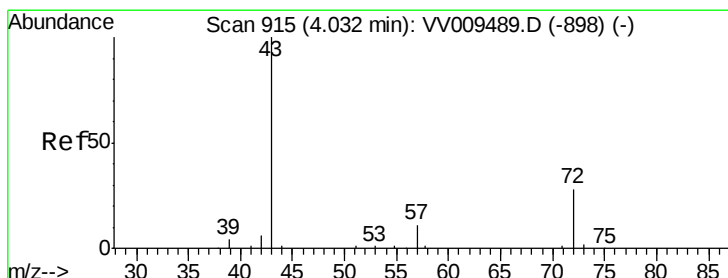
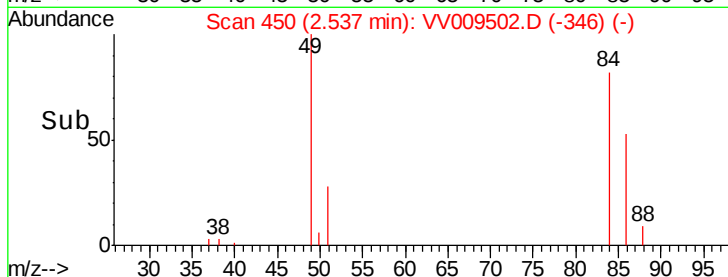
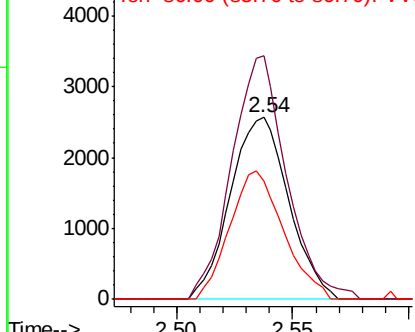
#16
Methylene chloride
Concen: 3.182 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009502.D
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Instrument :
MSVOA_V
ClientSampleId :
BF8A9

Tgt Ion: 84 Resp: 4489
Ion Ratio Lower Upper
84 100
49 133.8 84.6 157.0
86 64.7 46.1 85.7

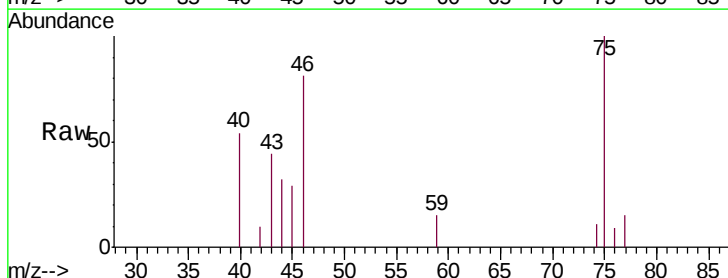


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

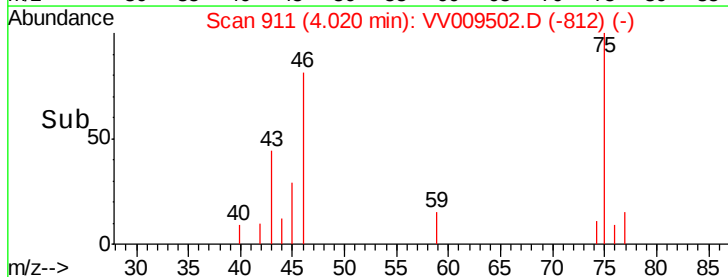
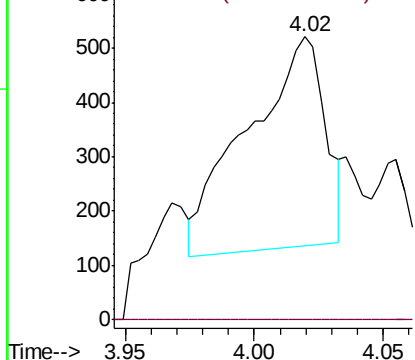


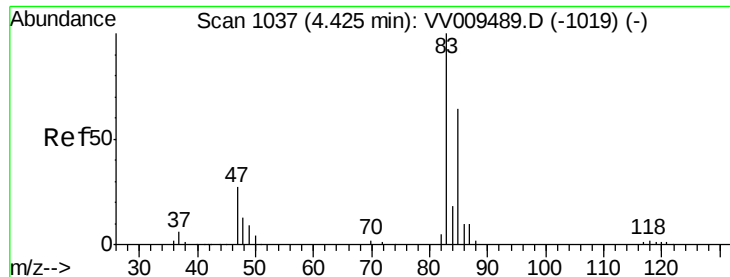
#21
2-Butanone
Concen: 1.431 ug/L
RT: 4.02 min Scan# 911
Delta R.T. -0.01 min
Lab File: VV009502.D
Acq: 05 Mar 2019 22:45

Tgt Ion: 43 Resp: 810
Ion Ratio Lower Upper
43 100
72 0.0 13.7 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0

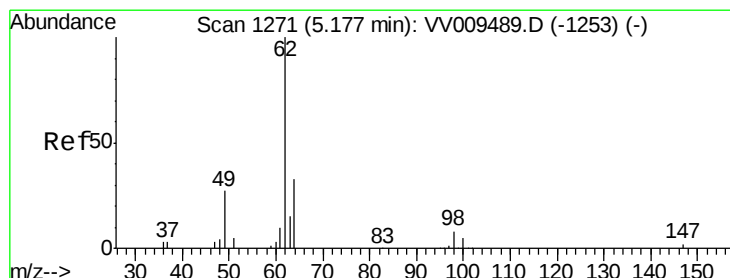
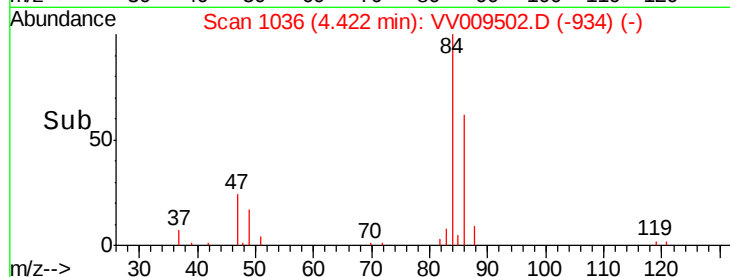
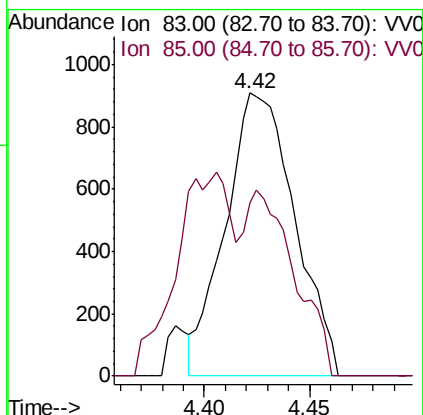
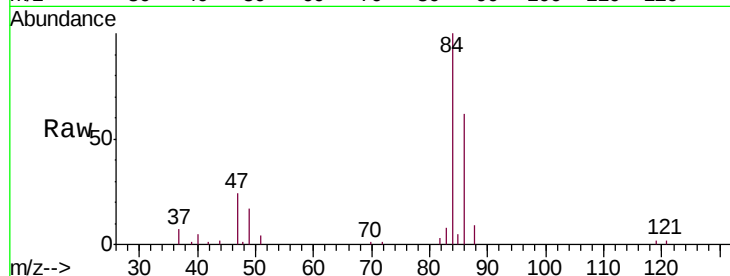




#25
Chloroform
Concen: 0.824 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009502.D
Acq: 05 Mar 2019 22:45

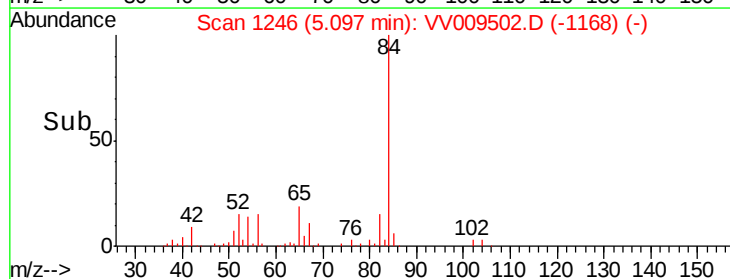
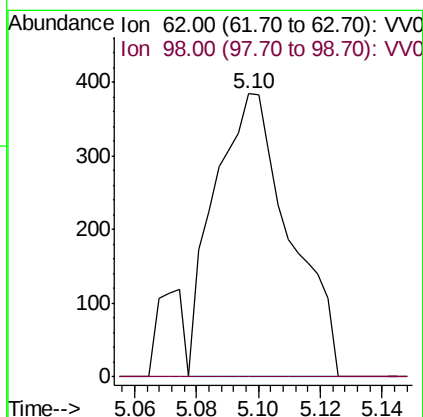
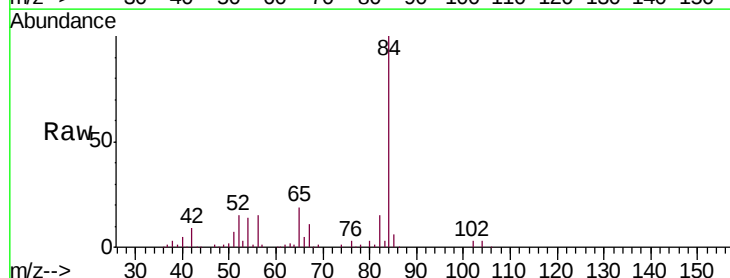
Instrument :
MSVOA_V
ClientSampleId :
BF8A9

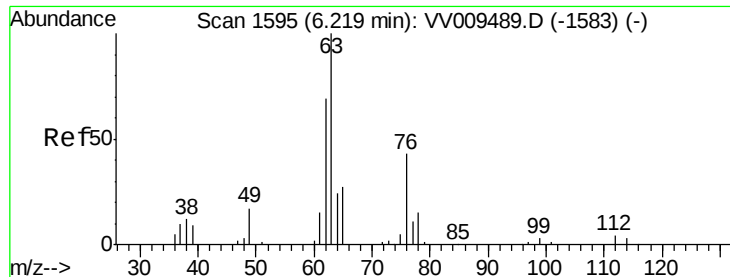
Tgt Ion: 83 Resp: 2079
Ion Ratio Lower Upper
83 100
85 47.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 0.372 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV009502.D
Acq: 05 Mar 2019 22:45

Tgt Ion: 62 Resp: 653
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#40

1,2-Dichloropropane

Concen: 4.235 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV009502.D

Acq: 05 Mar 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

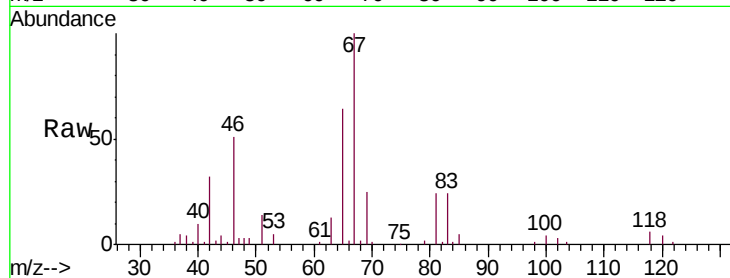
BF8A9

Tgt Ion: 63 Resp: 5343

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009489.D (-1583) (-)

Ion 112.00 (111.70 to 112.70): VV009489.D (-1583) (-)

6.12

3000

2500

2000

1500

1000

500

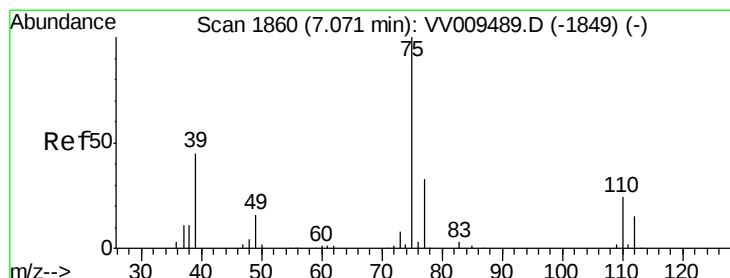
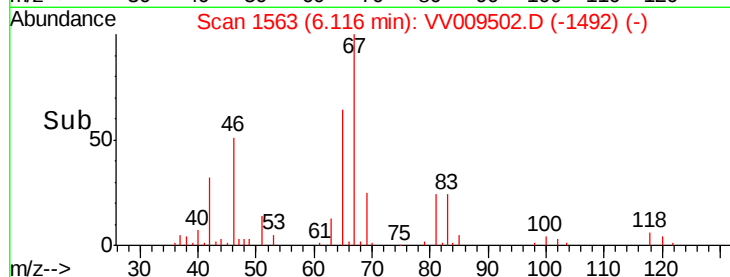
0

6.05

6.10

6.15

Time-->



#42

cis-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009502.D

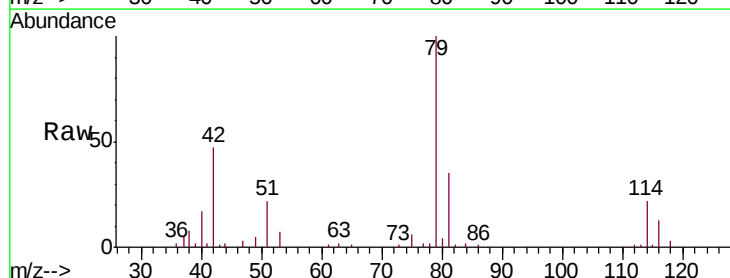
Acq: 05 Mar 2019 22:45

Tgt Ion: 75 Resp: 1493

Ion Ratio Lower Upper

75 100

77 39.2 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VV009489.D (-1849) (-)

Ion 77.00 (76.70 to 77.70): VV009489.D (-1849) (-)

7.03

1000

800

600

400

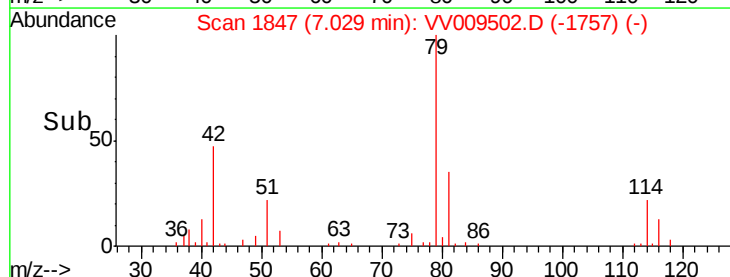
200

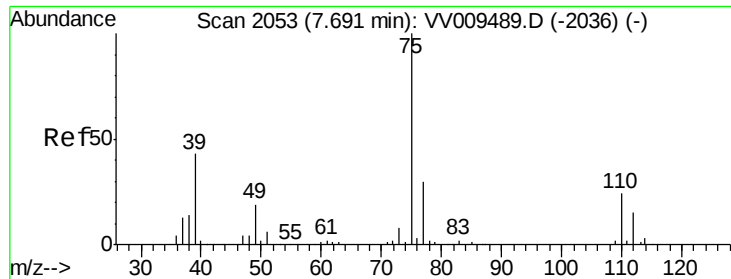
0

7.00

7.05

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.564 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

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Acq: 05 Mar 2019 22:45

Instrument :

MSVOA_V

ClientSampleId :

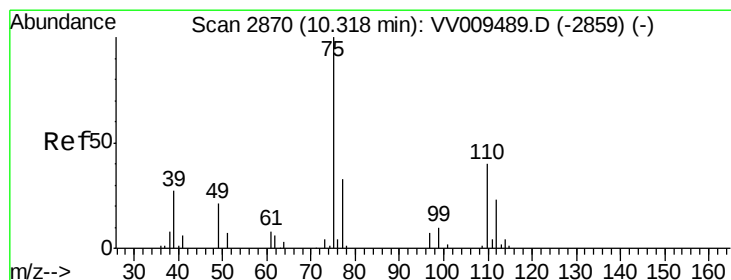
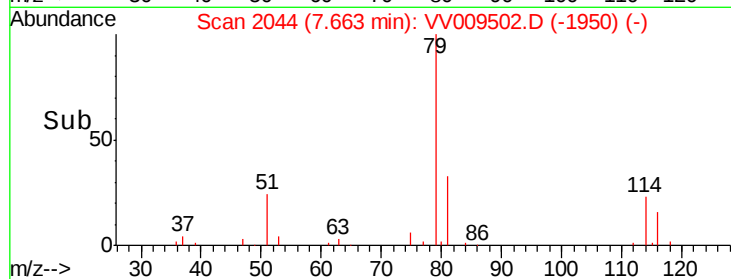
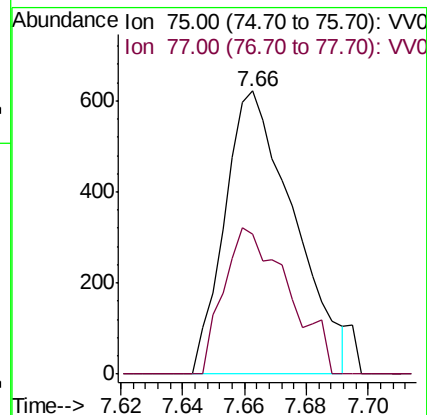
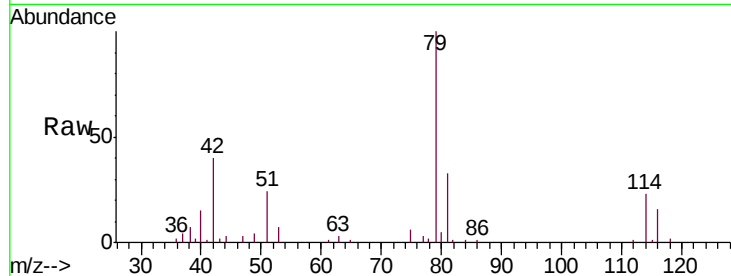
BF8A9

Tgt Ion: 75 Resp: 965

Ion Ratio Lower Upper

75 100

77 49.2 22.5 41.7#



#59

1,2,3-Trichloropropane

Concen: 4.604 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009502.D

Acq: 05 Mar 2019 22:45

Tgt Ion: 75 Resp: 4912

Ion Ratio Lower Upper

75 100

77 38.4 25.9 38.9

