

Data File : VV009504.D
Acq On : 05 Mar 2019 23:38
Operator : SY/MD
Sample : K1736-01
Misc : 5.31G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF619

Quant Time: Mar 06 04:17:31 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	156707	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	147448	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64976	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37322	19.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.16%
7) Chloroethane-d5	1.58	69	69587	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.04%
10) 1,1-Dichloroethene-d2	2.13	63	80743	16.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.80%
20) 2-Butanone-d5	3.95	46	24732	38.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.94%
24) Chloroform-d	4.40	84	93688	25.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	59606	28.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.28%
29) Benzene-d6	5.10	84	188264	25.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.12%
33) 1,2-Dichloropropane-d6	6.12	67	61221	28.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.64%
37) Toluene-d8	7.36	98	179367	25.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.76%
38) trans-1,3-Dichloropropene-	7.66	79	24283	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.00%
39) 2-Hexanone-d5	8.14	63	20485	40.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.46%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55357	24.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	62579	26.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.52%

Target Compounds

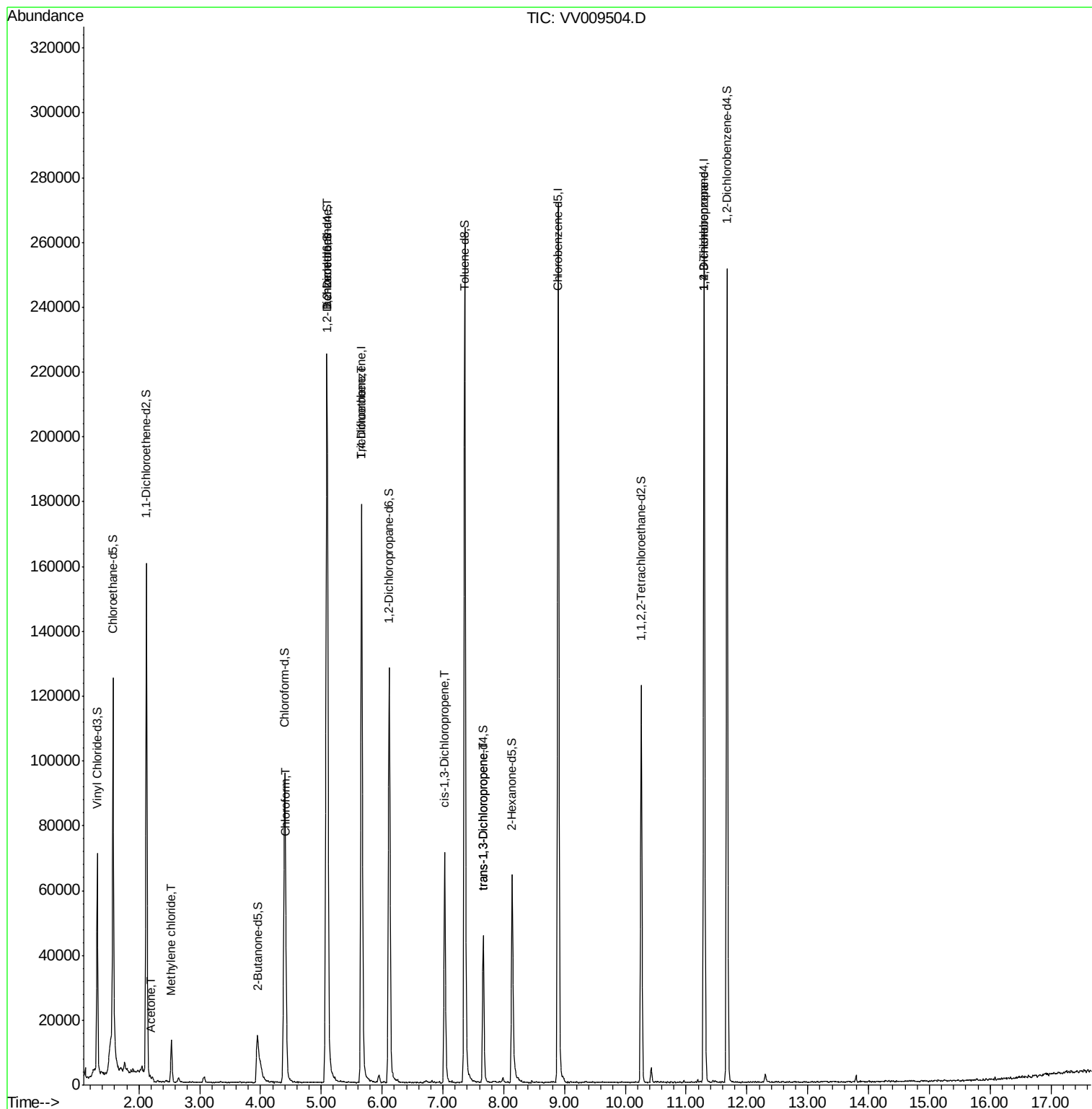
					Qvalue
13) Acetone	2.21	43	877	1.342 ug/L	79
16) Methylene chloride	2.54	84	5401	2.626 ug/L	94
25) Chloroform	4.42	83	2820	0.766 ug/L #	18
27) 1,2-Dichloroethane	5.10	62	1016	0.398 ug/L #	77
35) Trichloroethene	5.67	95	4572	2.088 ug/L #	6
42) cis-1,3-Dichloropropene	7.03	75	2152	0.706 ug/L #	53
45) trans-1,3-Dichloropropene	7.66	75	1379	0.518 ug/L	87
59) 1,2,3-Trichloropropane	11.30	75	9458	5.693 ug/L	95

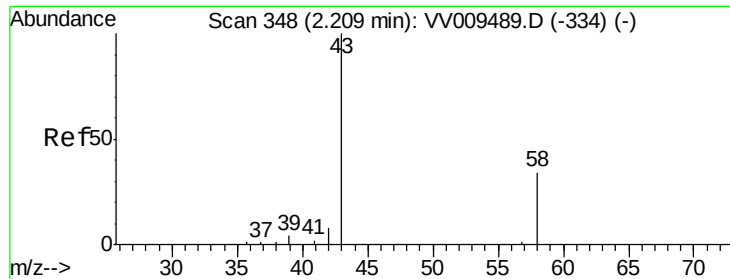
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.342 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

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Acq: 05 Mar 2019 23:38

Instrument :

MSVOA_V

ClientSampleId :

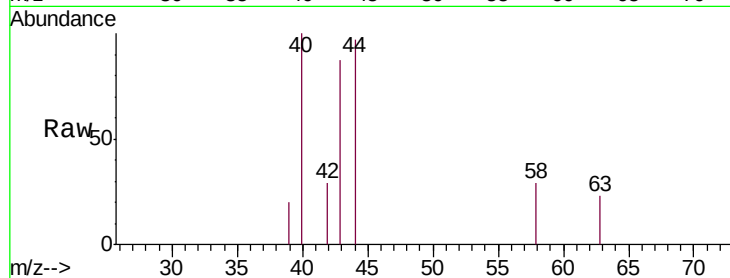
BF619

Tgt Ion: 43 Resp: 877

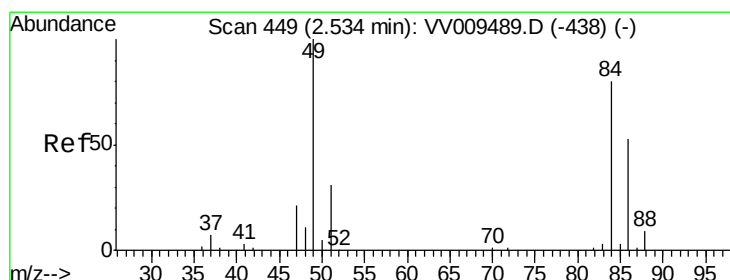
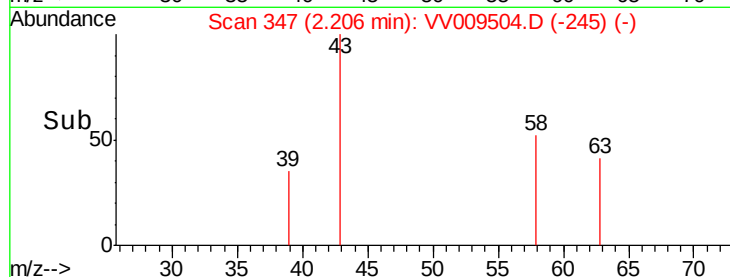
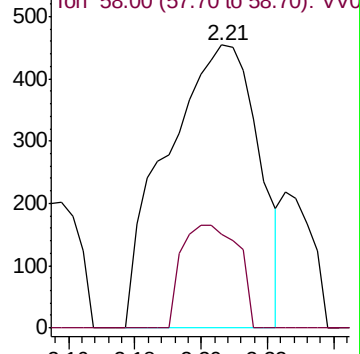
Ion Ratio Lower Upper

43 100

58 22.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009489.D (-334) (-)



#16

Methylene chloride

Concen: 2.626 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009504.D

Acq: 05 Mar 2019 23:38

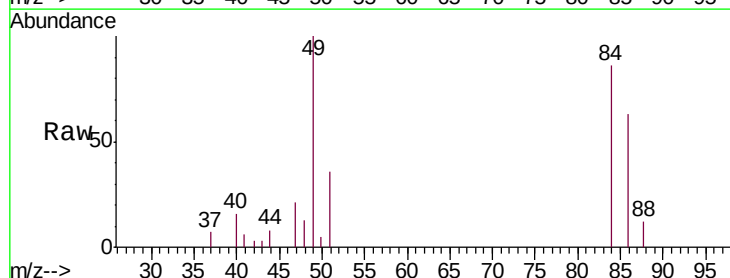
Tgt Ion: 84 Resp: 5401

Ion Ratio Lower Upper

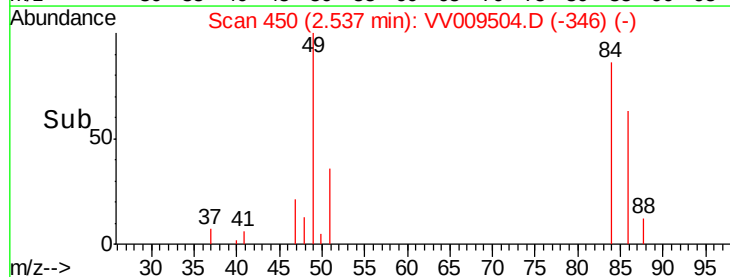
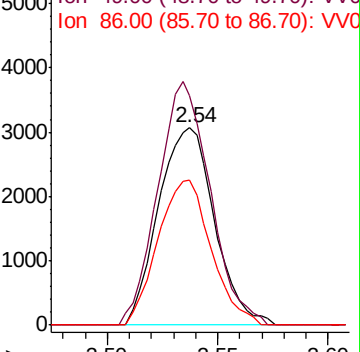
84 100

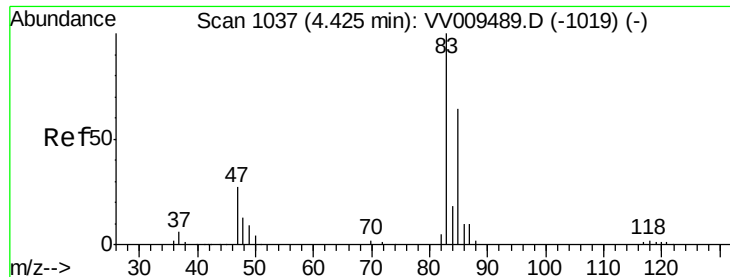
49 116.3 84.6 157.0

86 73.5 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009489.D (-438) (-)

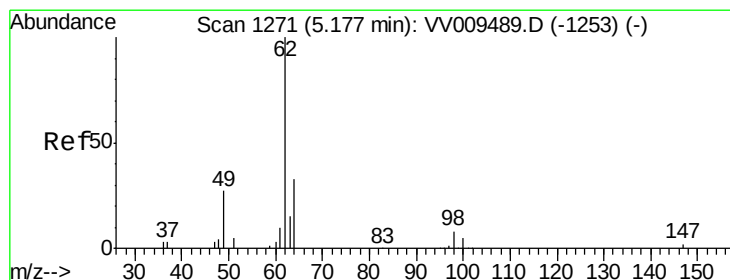
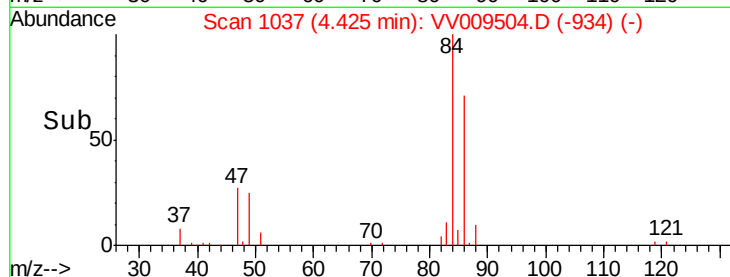
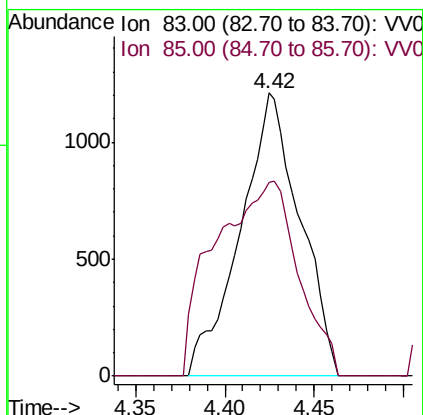
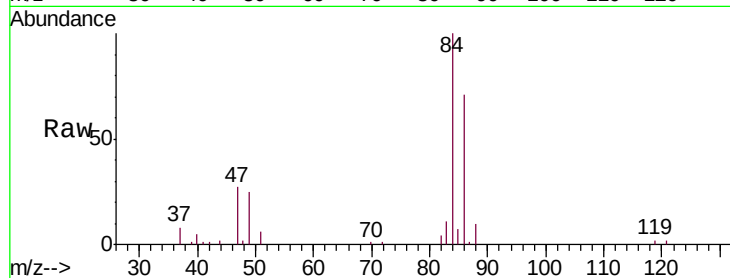




#25
Chloroform
Concen: 0.766 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009504.D
Acq: 05 Mar 2019 23:38

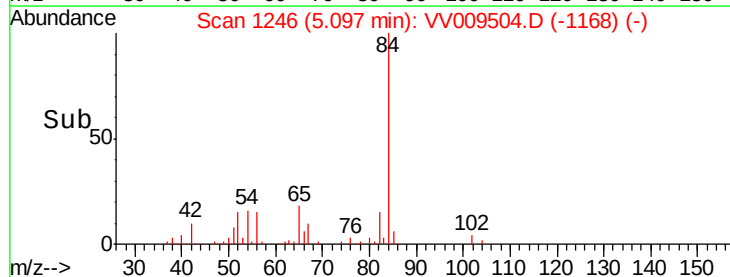
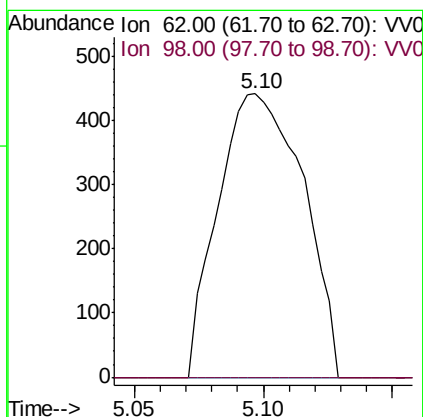
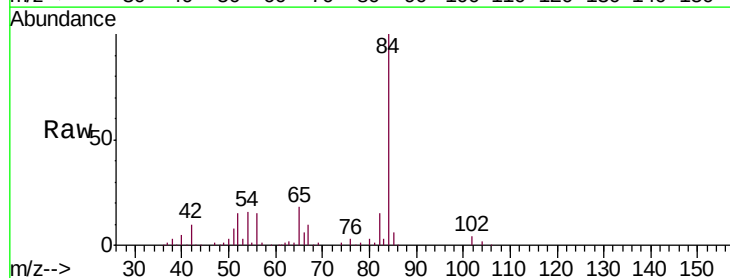
Instrument :
MSVOA_V
ClientSampleId :
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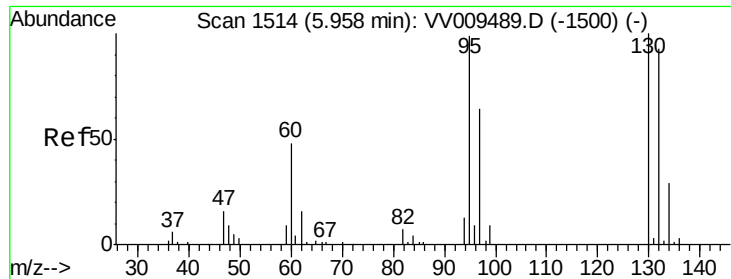
Tgt Ion: 83 Resp: 2820
Ion Ratio Lower Upper
83 100
85 0.0 45.4 84.2#



#27
1,2-Dichloroethane
Concen: 0.398 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV009504.D
Acq: 05 Mar 2019 23:38

Tgt Ion: 62 Resp: 1016
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#35

Trichloroethene

Concen: 2.088 ug/L

RT: 5.67 min Scan# 1423

Delta R.T. -0.29 min

Lab File: VV009504.D

Acq: 05 Mar 2019 23:38

Instrument :

MSVOA_V

ClientSampleId :

BF619

Tgt Ion: 95 Resp: 4572

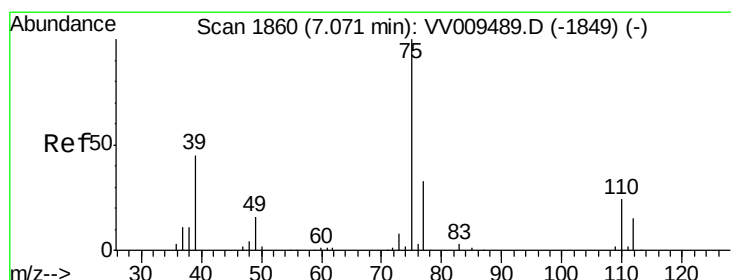
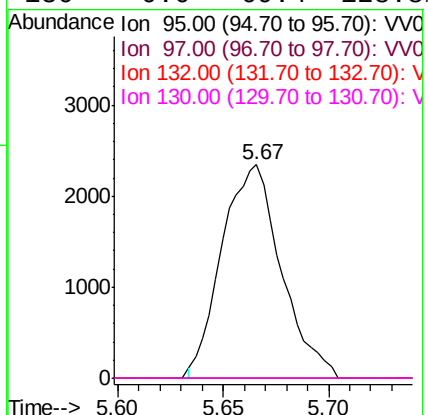
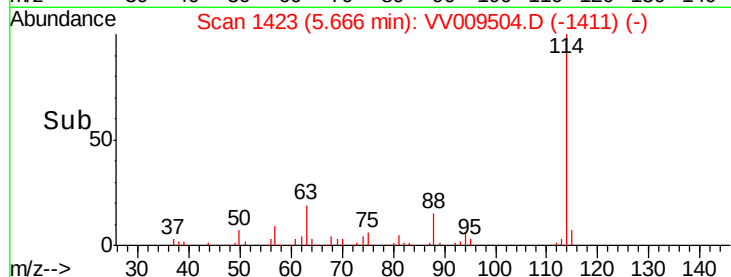
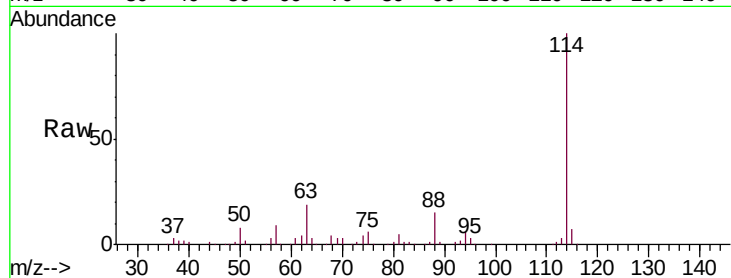
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#



#42

cis-1,3-Dichloropropene

Concen: 0.706 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009504.D

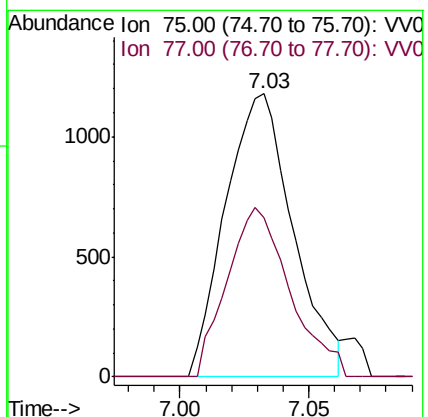
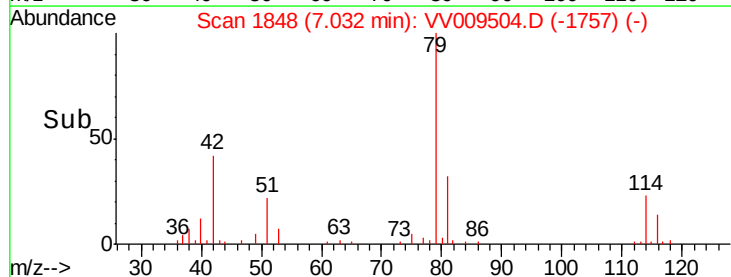
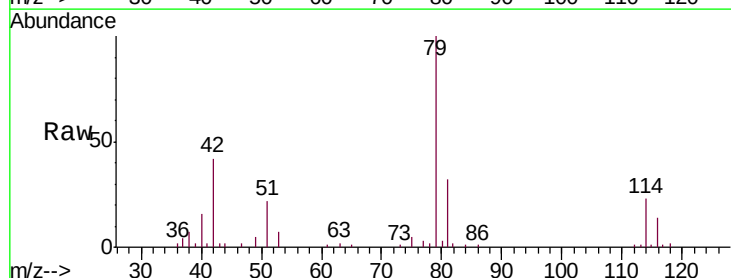
Acq: 05 Mar 2019 23:38

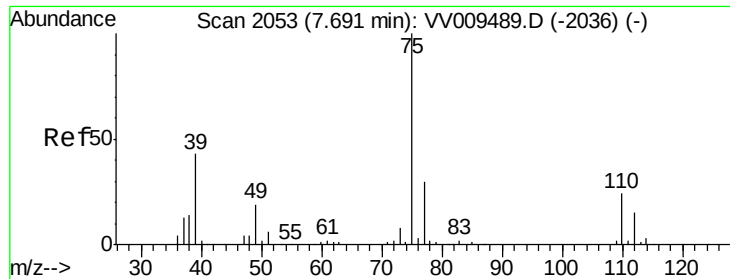
Tgt Ion: 75 Resp: 2152

Ion Ratio Lower Upper

75 100

77 56.5 21.4 39.8#

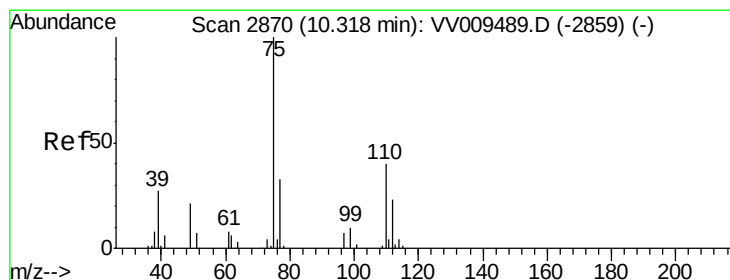
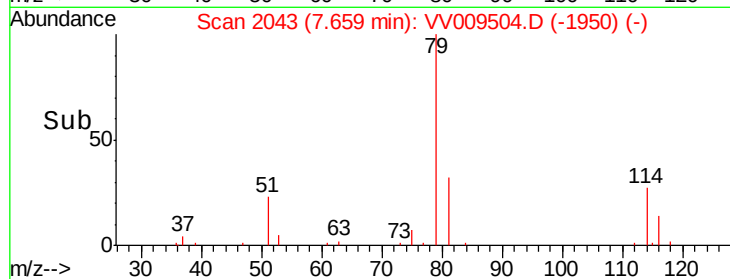
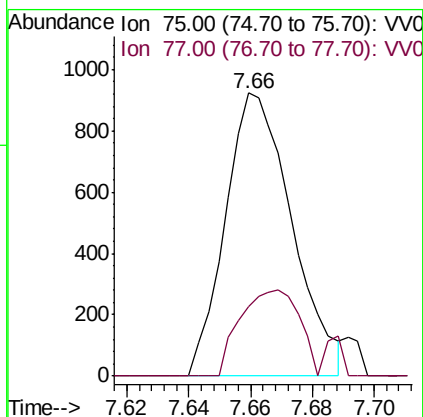
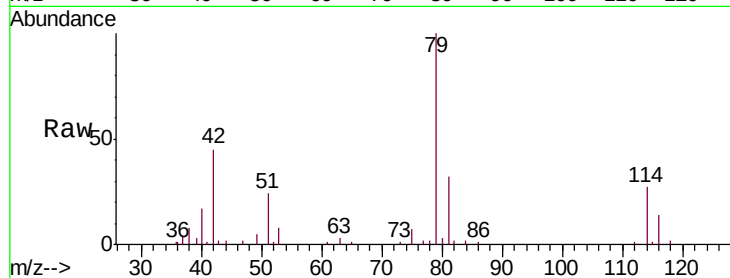




#45
 trans-1,3-Dichloropropene
 Concen: 0.518 ug/L
 RT: 7.66 min Scan# 2043
 Delta R.T. -0.03 min
 Lab File: VV009504.D
 Acq: 05 Mar 2019 23:38

Instrument :
 MSVOA_V
 ClientSampleID :
 BF619

Tgt Ion: 75 Resp: 1379
 Ion Ratio Lower Upper
 75 100
 77 24.7 22.5 41.7



#59
 1,2,3-Trichloropropane
 Concen: 5.693 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009504.D
 Acq: 05 Mar 2019 23:38

Tgt Ion: 75 Resp: 9458
 Ion Ratio Lower Upper
 75 100
 77 35.2 25.9 38.9

