

Data File : VV009587.D
Acq On : 11 Mar 2019 11:51
Operator : SY/MD
Sample : K1818-17
Misc : 6.06G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0R7

Quant Time: Mar 11 12:25:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 12:01:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	148949	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	140187	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61848	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31354	17.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.96%
7) Chloroethane-d5	1.58	69	64167	24.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.00%
10) 1,1-Dichloroethene-d2	2.13	63	73957	15.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.40%
20) 2-Butanone-d5	3.95	46	26500	43.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.74%
24) Chloroform-d	4.40	84	84338	23.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	5.08	65	49509	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.12%
29) Benzene-d6	5.10	84	162306	23.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.52%
33) 1,2-Dichloropropane-d6	6.12	67	52134	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.76%
37) Toluene-d8	7.36	98	156347	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.40%
38) trans-1,3-Dichloropropene-	7.66	79	21260	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.64%
39) 2-Hexanone-d5	8.14	63	20043	41.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.82%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	49336	22.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.36%
61) 1,2-Dichlorobenzene-d4	11.68	152	55947	24.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.12%

Target Compounds

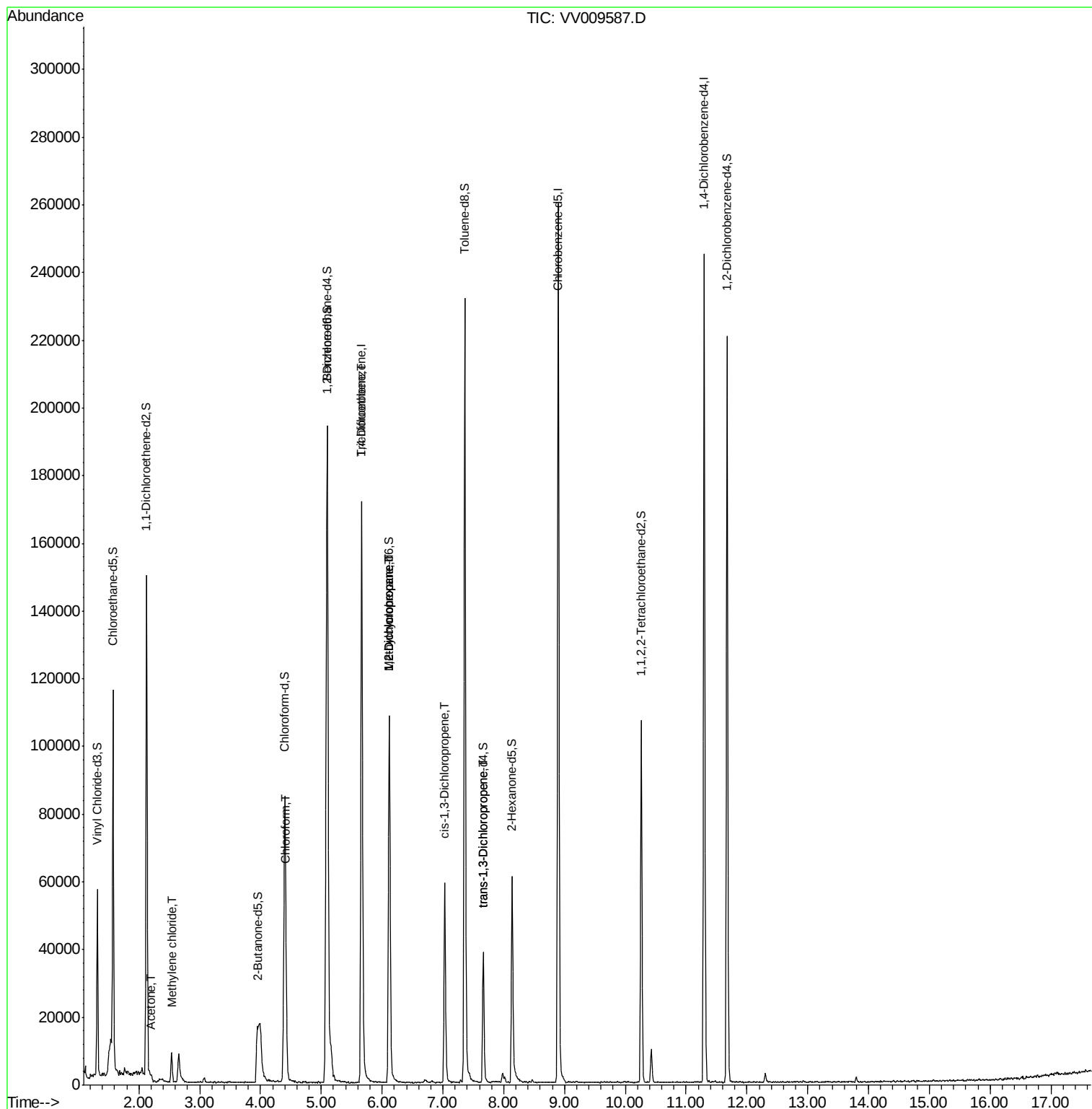
					Qvalue
13) Acetone	2.20	43	1701	2.738 ug/L	96
16) Methylene chloride	2.53	84	3694	1.890 ug/L	93
25) Chloroform	4.43	83	2693	0.770 ug/L #	27
35) Trichloroethene	5.67	95	3741	1.797 ug/L #	6
36) Methylcyclohexane	6.12	83	12801	3.775 ug/L #	19
40) 1,2-Dichloropropane	6.12	63	6021	3.224 ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	1990	0.686 ug/L	91
45) trans-1,3-Dichloropropene	7.66	75	1170	0.462 ug/L	98

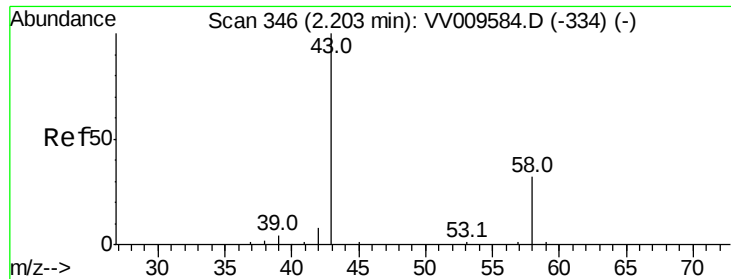
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.738 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

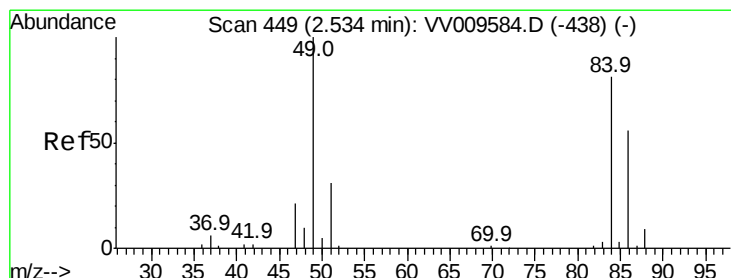
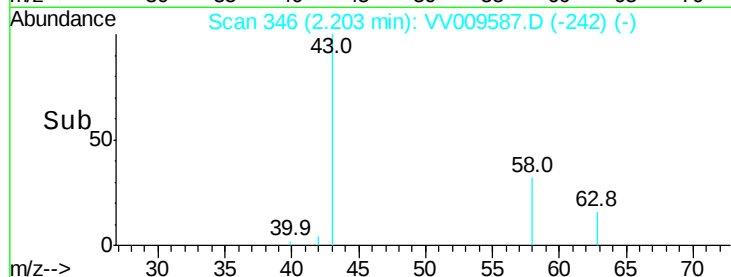
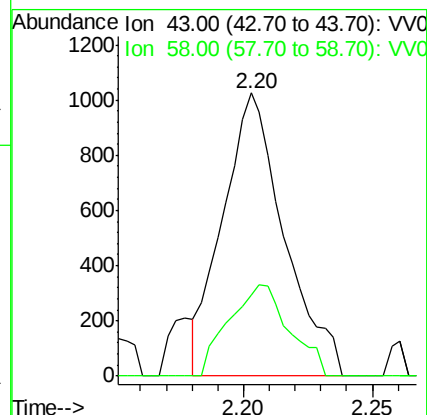
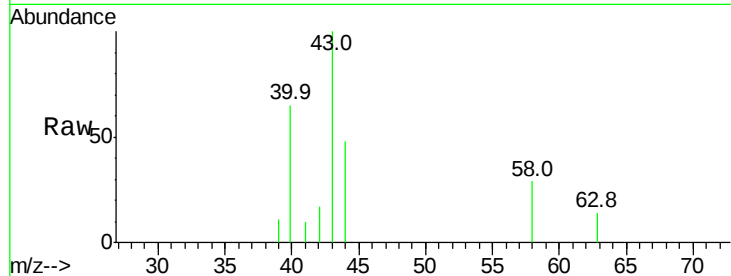
BF0R7

Tgt Ion: 43 Resp: 1701

Ion Ratio Lower Upper

43 100

58 31.9 0.0 68.8



#16

Methylene chloride

Concen: 1.890 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

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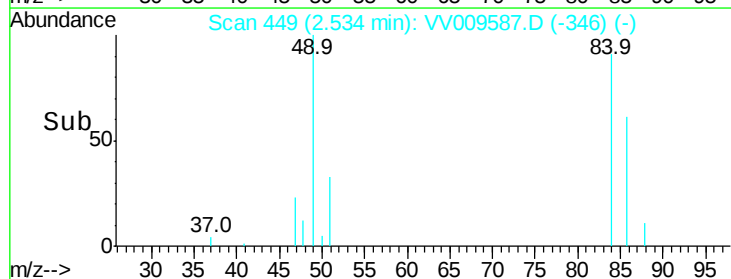
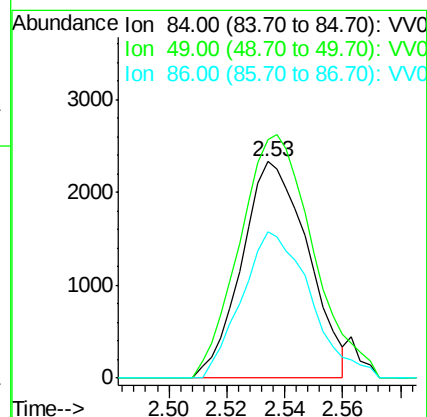
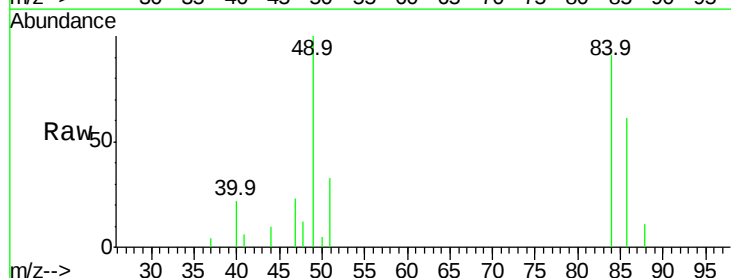
Tgt Ion: 84 Resp: 3694

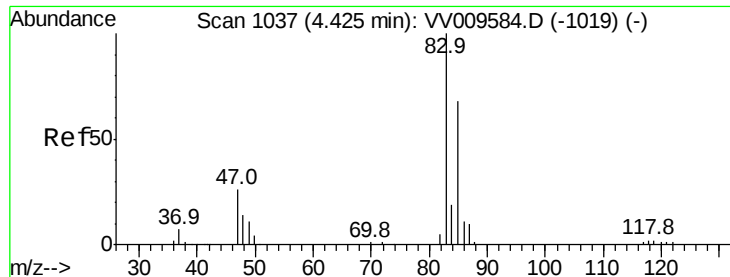
Ion Ratio Lower Upper

84 100

49 110.4 84.6 157.0

86 67.4 46.1 85.7

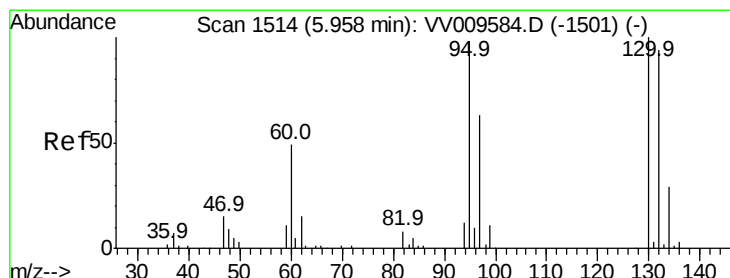
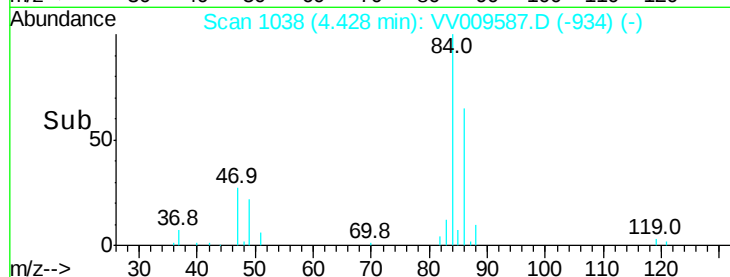
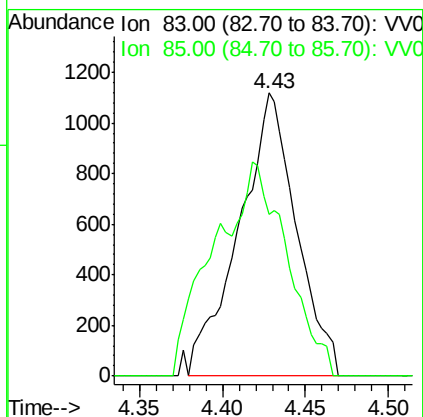
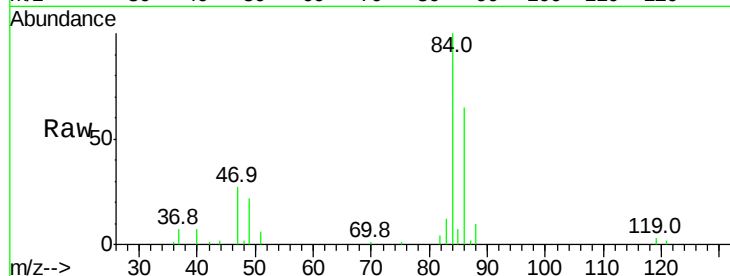




#25
Chloroform
Concen: 0.770 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
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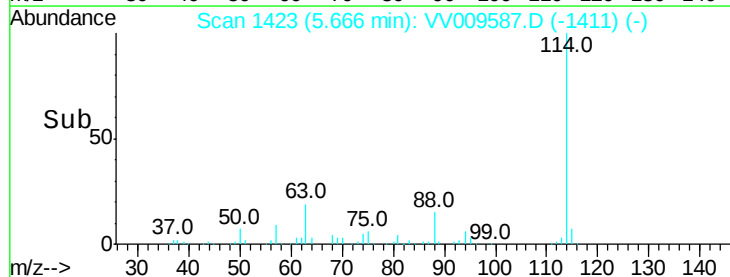
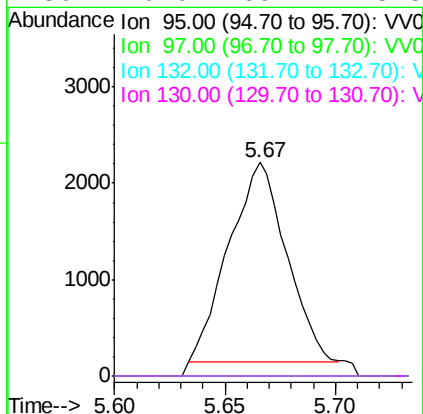
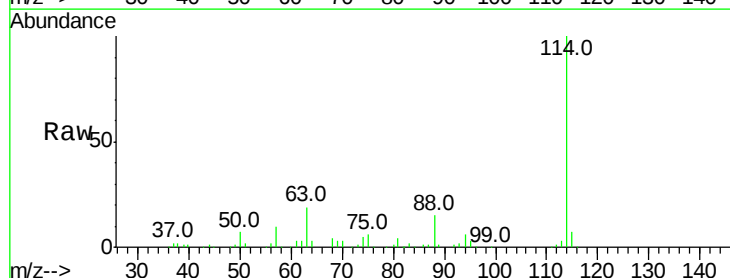
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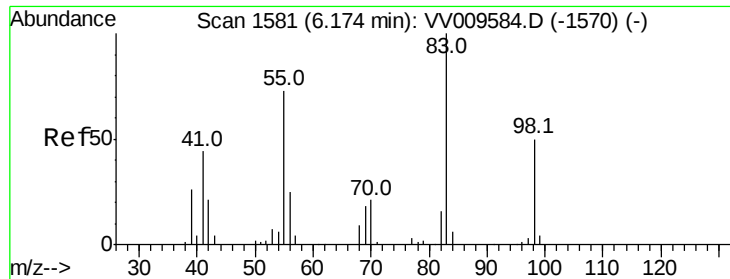
Tgt Ion: 83 Resp: 2693
Ion Ratio Lower Upper
83 100
85 7.2 45.4 84.2#



#35
Trichloroethene
Concen: 1.797 ug/L
RT: 5.67 min Scan# 1423
Delta R.T. -0.29 min
Lab File: VV009587.D
Acq: 11 Mar 2019 11:51

Tgt Ion: 95 Resp: 3741
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#

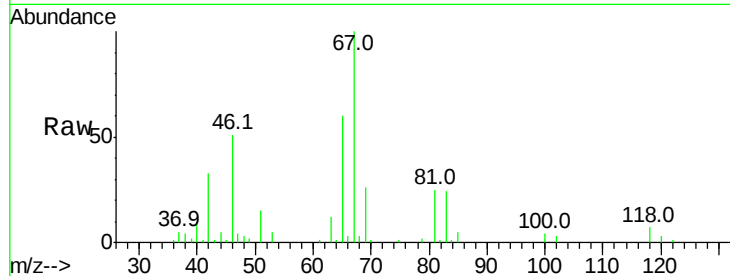




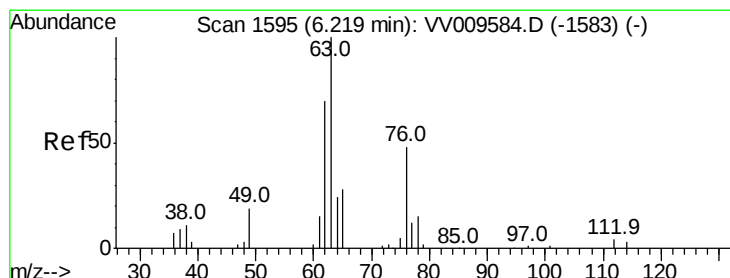
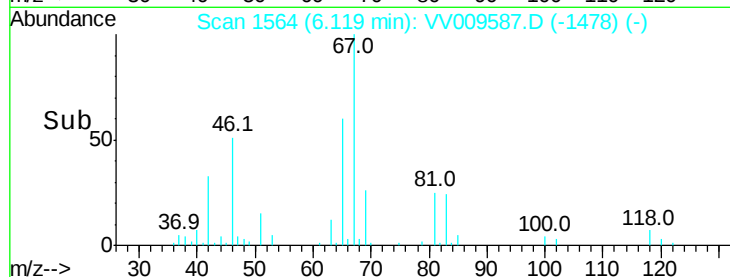
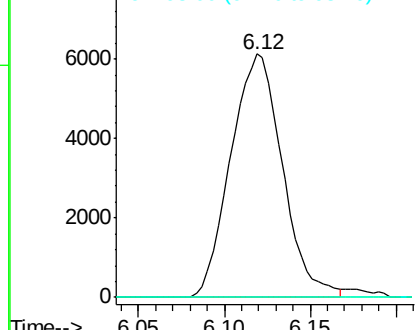
#36
Methylcyclohexane
Concen: 3.775 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV009587.D
Acq: 11 Mar 2019 11:51

Instrument :
MSVOA_V
ClientSampled :
BF0R7

Tgt Ion: 83 Resp: 12801
Ion Ratio Lower Upper
83 100
55 0.0 58.8 88.2#
98 0.0 37.7 56.5#

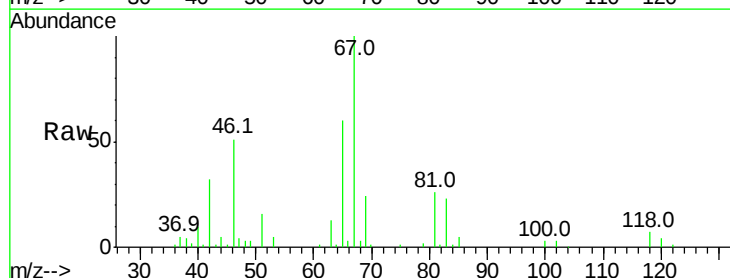


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

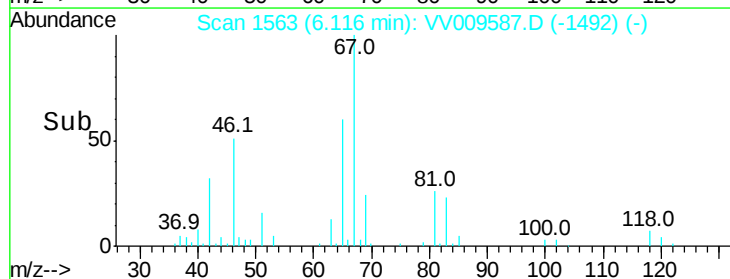
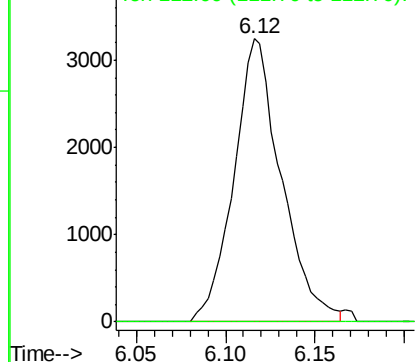


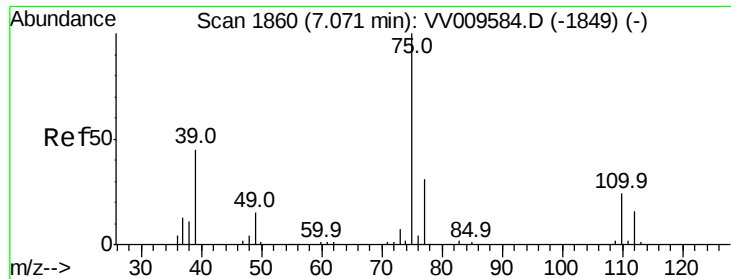
#40
1,2-Dichloropropane
Concen: 3.224 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV009587.D
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Tgt Ion: 63 Resp: 6021
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V



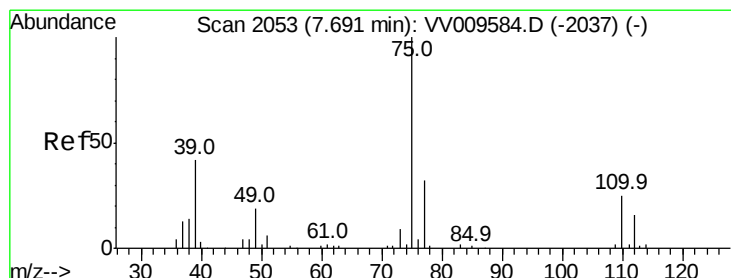
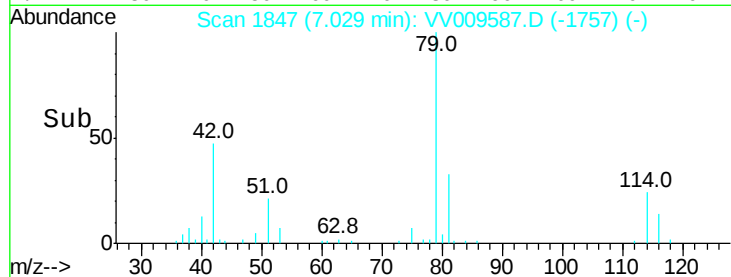
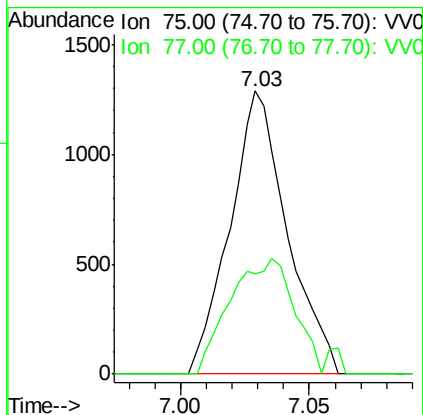
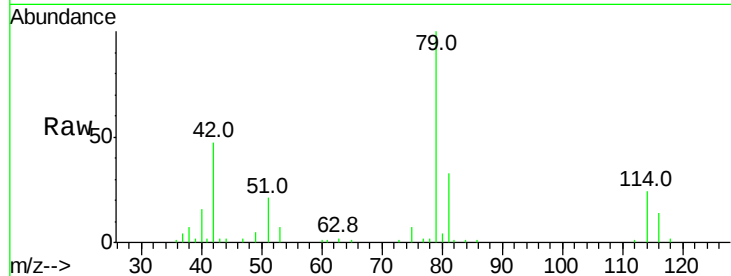


#42

cis-1,3-Dichloropropene
Concen: 0.686 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009587.D
Acq: 11 Mar 2019 11:51

Instrument :
MSVOA_V
ClientSampleId :
BF0R7

Tgt Ion: 75 Resp: 1990
Ion Ratio Lower Upper
75 100
77 35.2 21.4 39.8



#45

trans-1,3-Dichloropropene
Concen: 0.462 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV009587.D
Acq: 11 Mar 2019 11:51

Tgt Ion: 75 Resp: 1170
Ion Ratio Lower Upper
75 100
77 33.2 22.5 41.7

