

Data File : VV009902.D
Acq On : 26 Mar 2019 19:02
Operator : SY/MD
Sample : K2083-15
Misc : 5.53G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0J2

Quant Time: Mar 27 01:48:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 01:42:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	132246	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	134936	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57798	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67054	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.96%
7) Chloroethane-d5	1.57	69	72497	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.04%
10) 1,1-Dichloroethene-d2	2.13	63	147307	20.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.28%
20) 2-Butanone-d5	3.93	46	29599	59.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.38%
24) Chloroform-d	4.40	84	84271	25.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.04%
26) 1,2-Dichloroethane-d4	5.08	65	55275	27.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.04%
29) Benzene-d6	5.10	84	189774	26.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.12%
33) 1,2-Dichloropropane-d6	6.12	67	57378	27.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.72%
37) Toluene-d8	7.36	98	173191	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.28%
38) trans-1,3-Dichloropropene-	7.66	79	20145	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
39) 2-Hexanone-d5	8.13	63	20906	54.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	53553	26.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.36%
61) 1,2-Dichlorobenzene-d4	11.68	152	60705	27.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.36%

Target Compounds

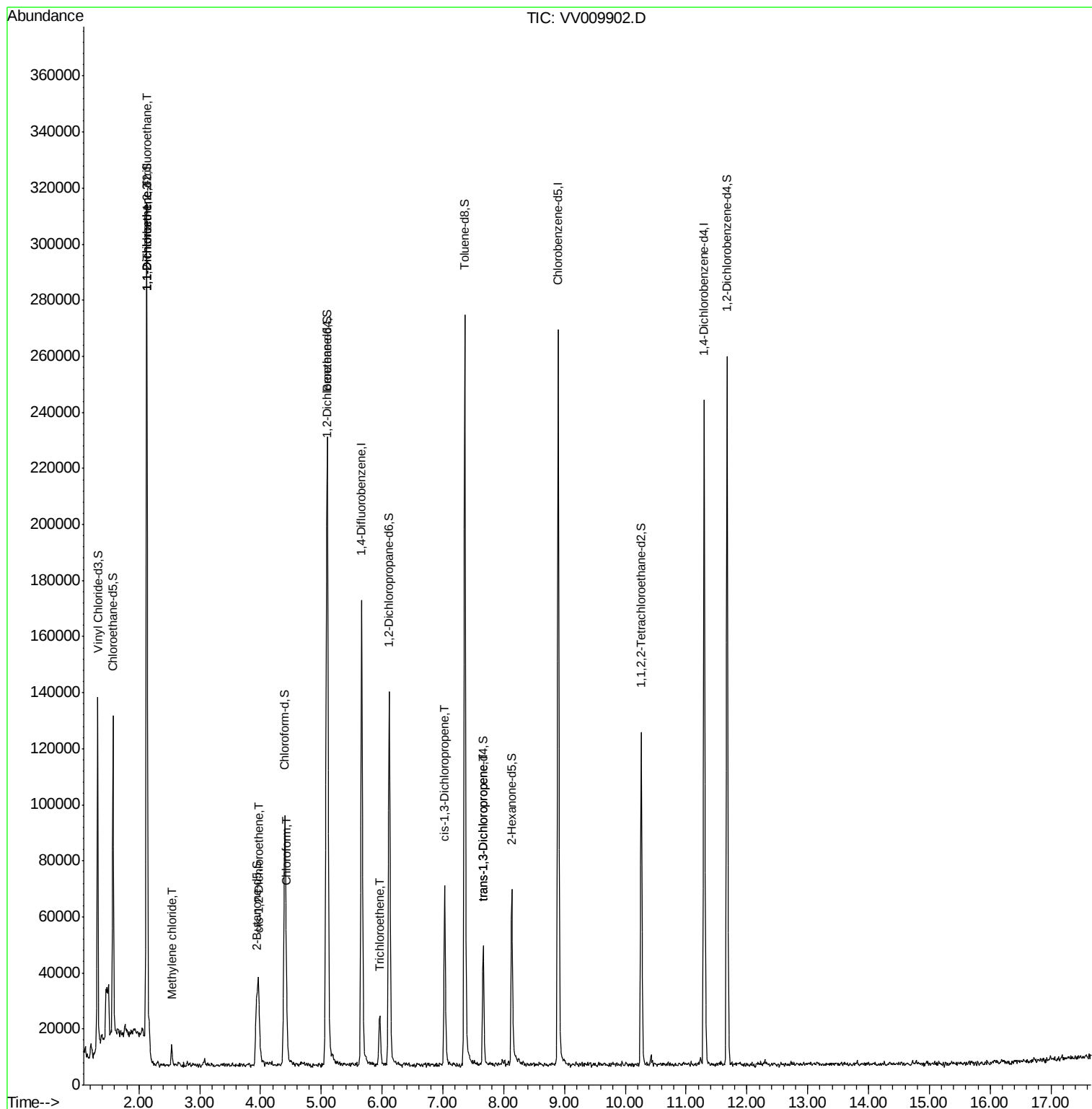
					Qvalue	
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2184	0.573 ug/L #	59	
12) 1,1-Dichloroethene	2.13	96	1565	0.484 ug/L #	1	
16) Methylene chloride	2.54	84	2388	1.097 ug/L	96	
22) cis-1,2-Dichloroethene	3.96	96	13165	6.881 ug/L	97	
25) Chloroform	4.43	83	6748	1.926 ug/L	93	
35) Trichloroethene	5.96	95	4687	2.398 ug/L	91	
42) cis-1,3-Dichloropropene	7.03	75	1961	0.726 ug/L #	42	
45) trans-1,3-Dichloropropene	7.66	75	1439	0.651 ug/L	86	

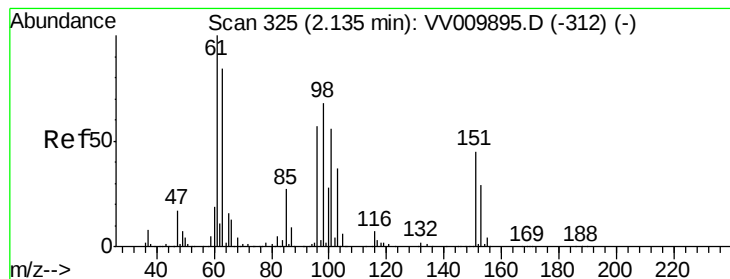
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.573 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009902.D

Acq: 26 Mar 2019 19:02

Instrument :

MSVOA_V

ClientSampleId :

BF0J2

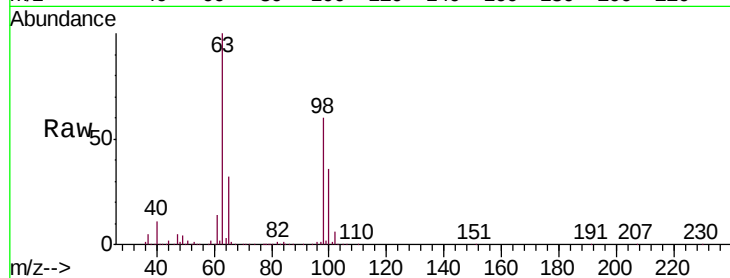
Tgt Ion: 101 Resp: 2184

Ion Ratio Lower Upper

101 100

85 15.9 36.9 55.3#

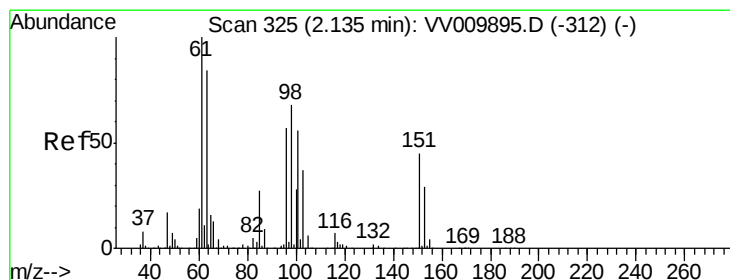
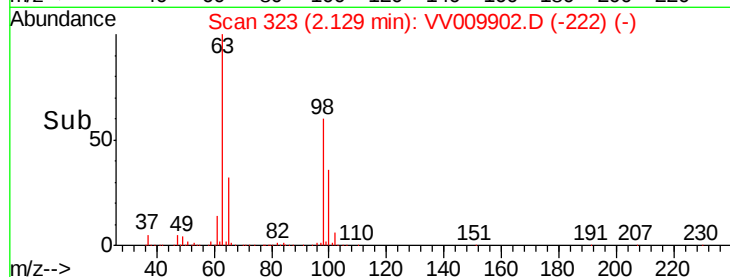
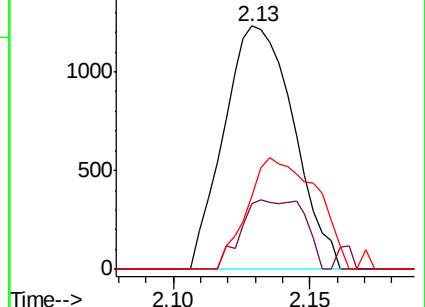
151 45.6 63.6 95.4#



Abundance Ion 101.00 (100.70 to 101.70): VV009895.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009895.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009895.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 0.484 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009902.D

Acq: 26 Mar 2019 19:02

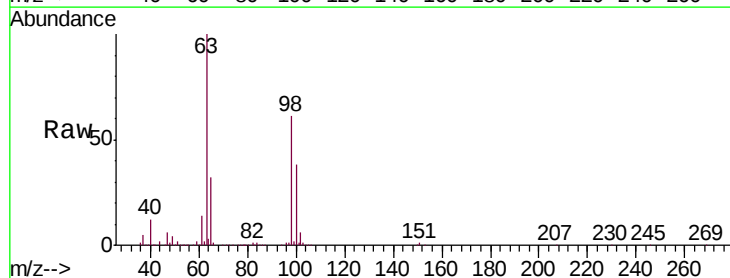
Tgt Ion: 96 Resp: 1565

Ion Ratio Lower Upper

96 100

61 1351.7 124.3 230.8#

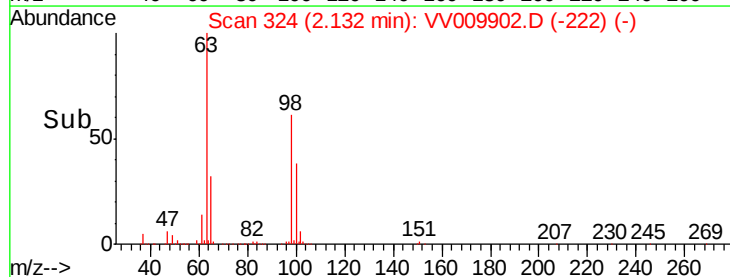
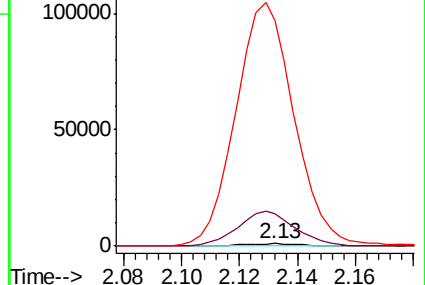
63 9394.2 88.2 163.8#

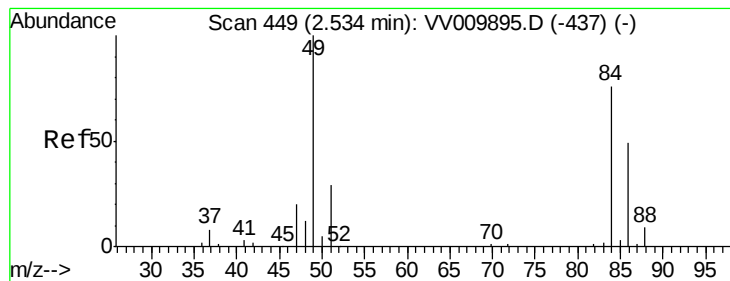


Abundance Ion 96.00 (95.70 to 96.70): VV009895.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV009895.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV009895.D (-312) (-)





#16

Methylene chloride

Concen: 1.097 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV009902.D

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Instrument :

MSVOA_V

ClientSampleId :

BF0J2

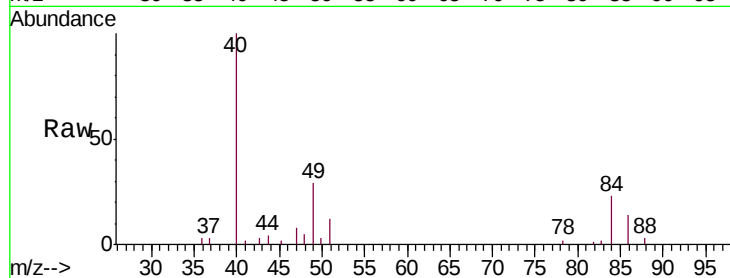
Tgt Ion: 84 Resp: 2388

Ion Ratio Lower Upper

84 100

49 124.7 90.4 167.8

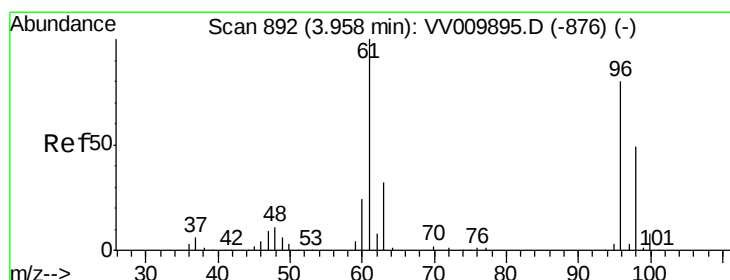
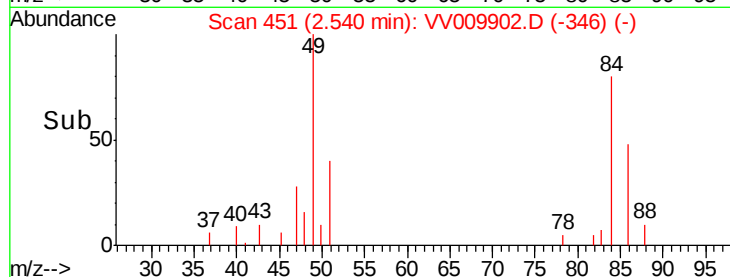
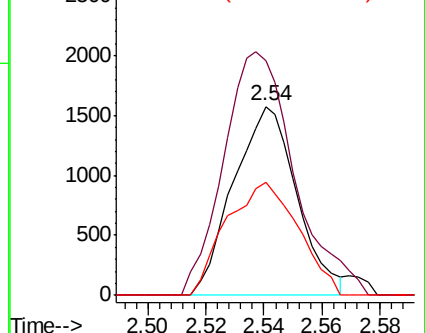
86 59.6 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV009902.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV009902.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV009902.D (-437) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.881 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV009902.D

Acq: 26 Mar 2019 19:02

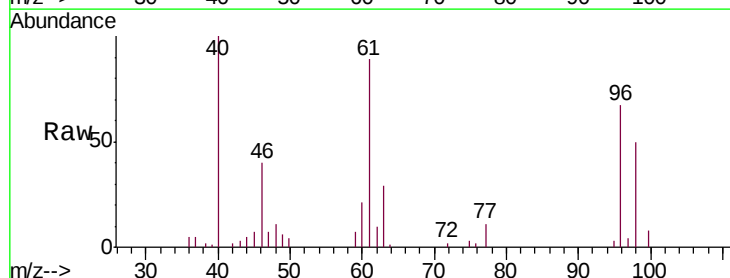
Tgt Ion: 96 Resp: 13165

Ion Ratio Lower Upper

96 100

61 132.1 91.4 169.8

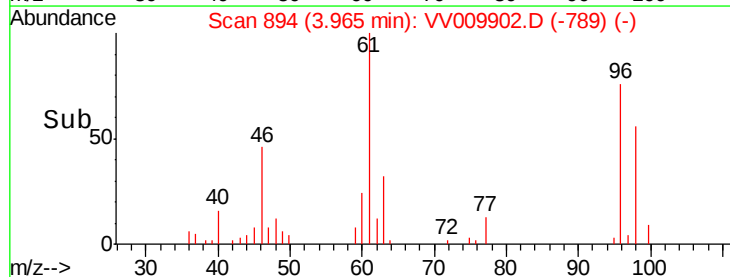
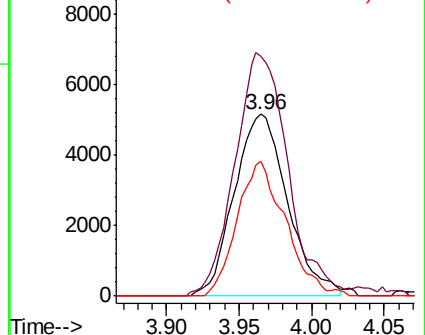
98 74.2 48.0 89.2

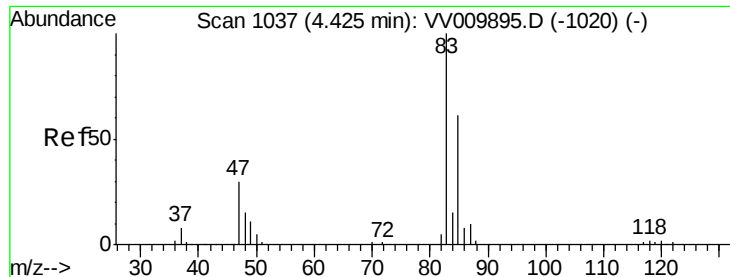


Abundance Ion 96.00 (95.70 to 96.70): VV009902.D (-876) (-)

Ion 61.00 (60.70 to 61.70): VV009902.D (-876) (-)

Ion 98.00 (97.70 to 98.70): VV009902.D (-876) (-)

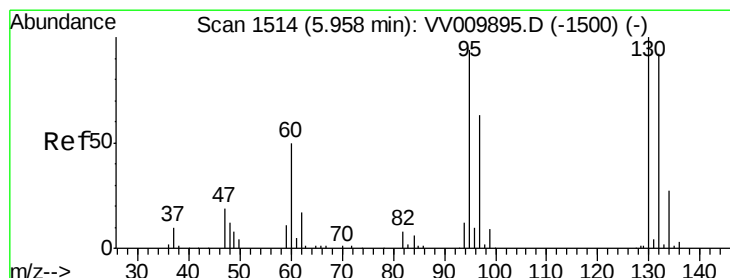
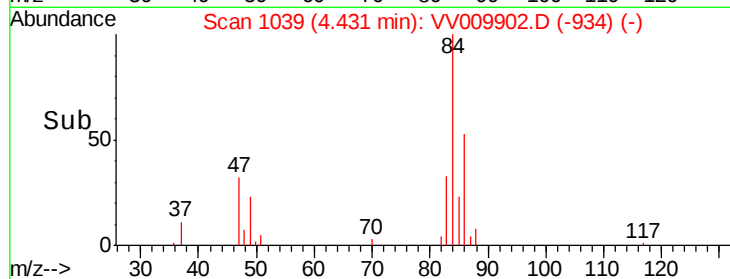
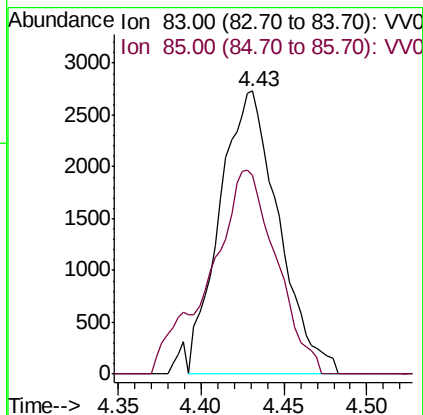
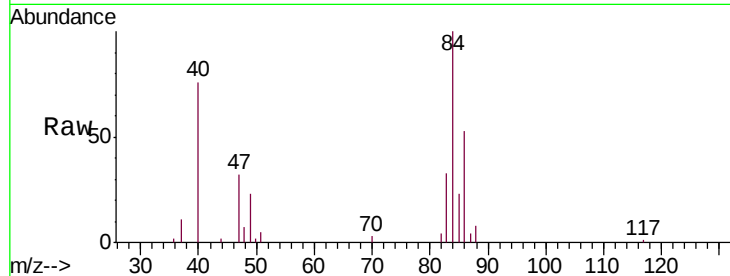




#25
Chloroform
Concen: 1.926 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV009902.D
Acq: 26 Mar 2019 19:02

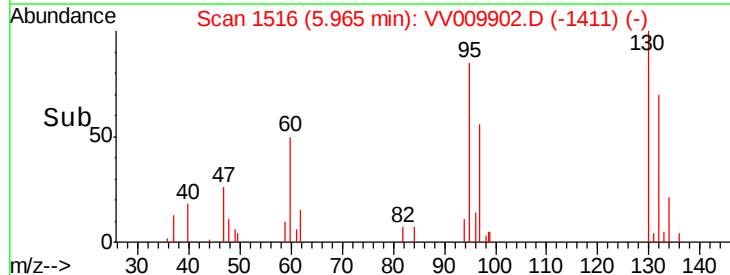
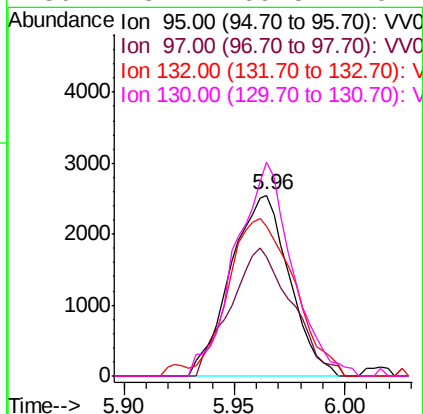
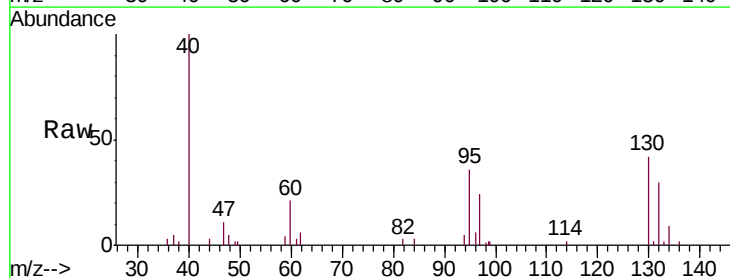
Instrument :
MSVOA_V
ClientSampled :
BF0J2

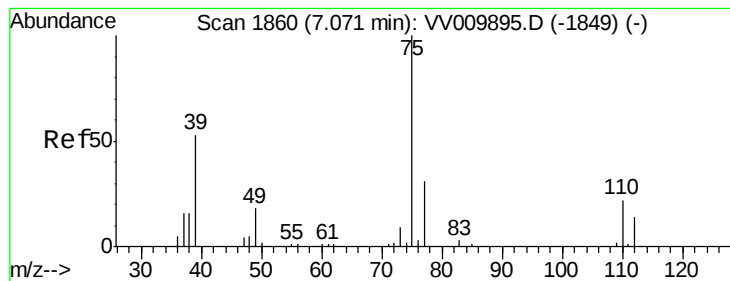
Tgt Ion: 83 Resp: 6748
Ion Ratio Lower Upper
83 100
85 71.6 46.1 85.7



#35
Trichloroethene
Concen: 2.398 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.01 min
Lab File: VV009902.D
Acq: 26 Mar 2019 19:02

Tgt Ion: 95 Resp: 4687
Ion Ratio Lower Upper
95 100
97 74.0 46.3 85.9
132 97.4 69.3 128.7
130 115.2 69.5 129.1



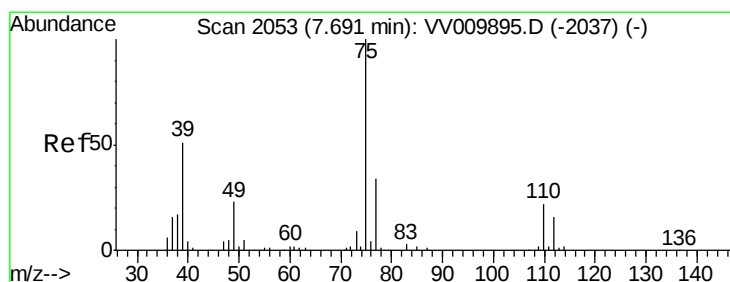
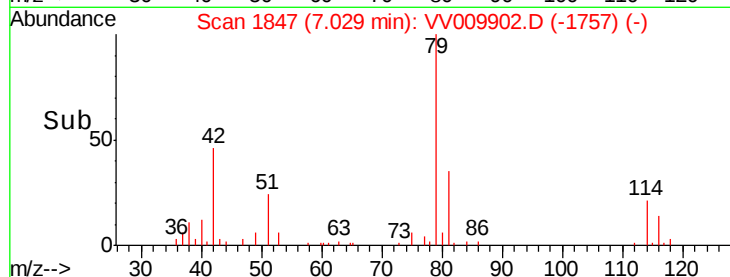
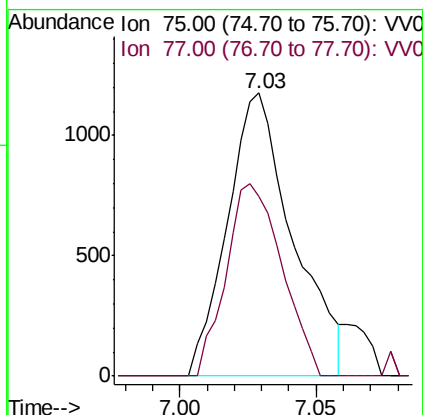
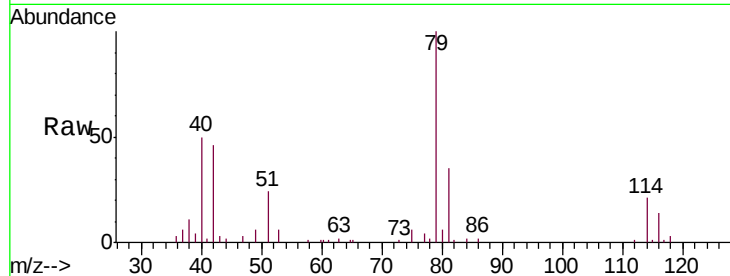


#42

cis-1,3-Dichloropropene
Concen: 0.726 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009902.D
Acq: 26 Mar 2019 19:02

Instrument :
MSVOA_V
ClientSampled :
BF0J2

Tgt Ion: 75 Resp: 1961
Ion Ratio Lower Upper
75 100
77 63.4 21.8 40.6#



#45

trans-1,3-Dichloropropene
Concen: 0.651 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.03 min
Lab File: VV009902.D
Acq: 26 Mar 2019 19:02

Tgt Ion: 75 Resp: 1439
Ion Ratio Lower Upper
75 100
77 37.1 20.7 38.5

