

Data File : VV009926.D
Acq On : 27 Mar 2019 14:25
Operator : SY/MD
Sample : K2085-04
Misc : 5.46G/10mL/MSVOA_V/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF7X1

Quant Time: Mar 28 05:16:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 05:12:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	78953	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	89360	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	36672	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22181	13.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.36%
7) Chloroethane-d5	1.56	69	34289	19.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.28%
10) 1,1-Dichloroethene-d2	2.13	63	59654	13.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.44%
20) 2-Butanone-d5	3.93	46	32865	110.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	220.16%#
24) Chloroform-d	4.40	84	50642	25.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.72%
26) 1,2-Dichloroethane-d4	5.08	65	41469	34.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	137.04%#
29) Benzene-d6	5.10	84	104146	22.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.76%
33) 1,2-Dichloropropane-d6	6.12	67	36381	26.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.00%
37) Toluene-d8	7.36	98	94443	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.04%
38) trans-1,3-Dichloropropene-	7.66	79	12968	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.36%
39) 2-Hexanone-d5	8.13	63	22150	86.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	172.86%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47752	35.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	140.52%#
61) 1,2-Dichlorobenzene-d4	11.68	152	38508	27.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.32%

Target Compounds

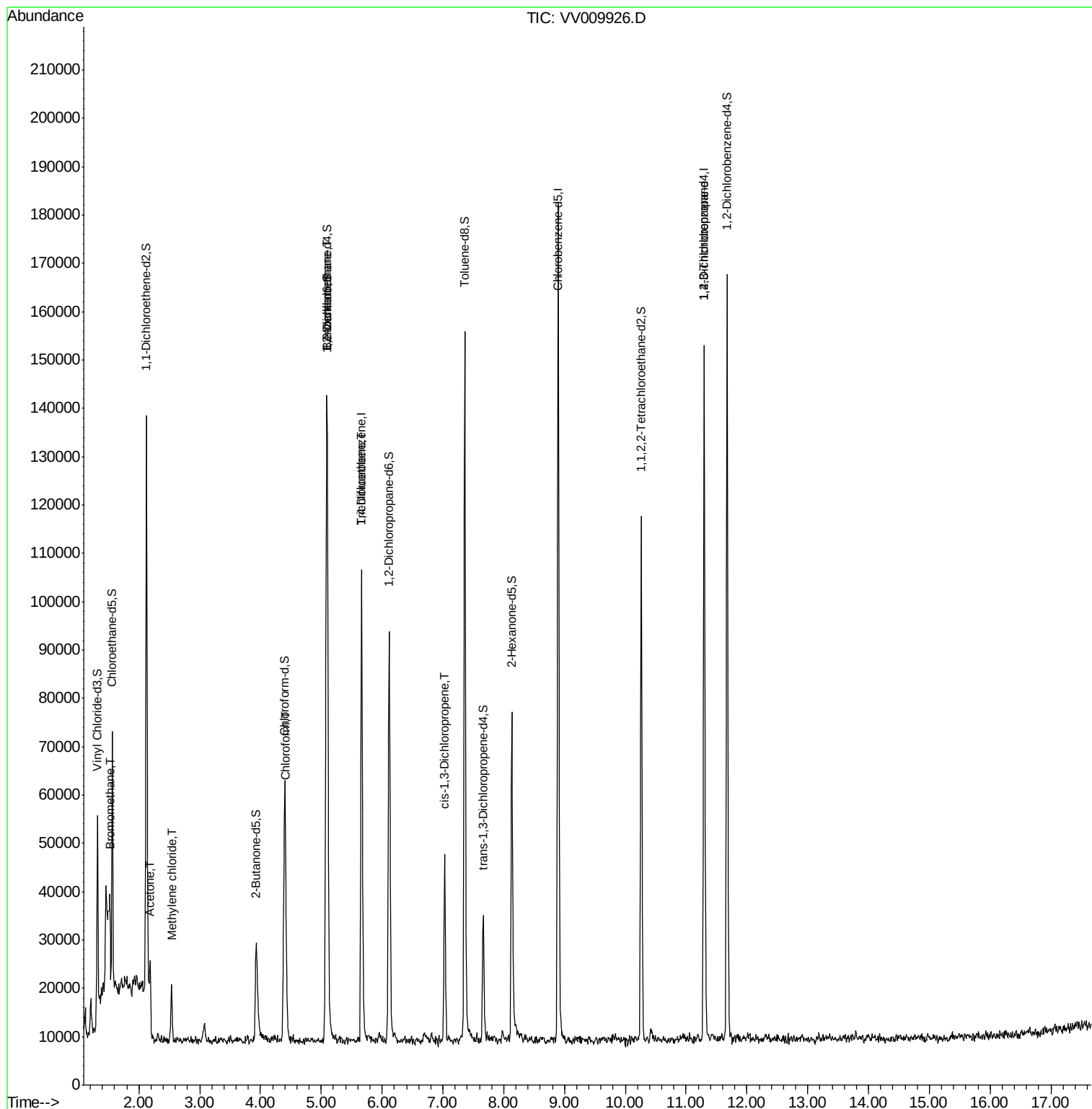
					Qvalue
6) Bromomethane	1.51	94	818	0.447 ug/L	64
13) Acetone	2.18	43	3245	7.179 ug/L	96
16) Methylene chloride	2.53	84	4415	3.396 ug/L	88
25) Chloroform	4.42	83	3782	1.808 ug/L #	51
27) 1,2-Dichloroethane	5.10	62	672	0.453 ug/L #	75
35) Trichloroethene	5.66	95	1114	0.861 ug/L #	6
42) cis-1,3-Dichloropropene	7.03	75	1302	0.728 ug/L	95
59) 1,2,3-Trichloropropane	11.30	75	5739	5.817 ug/L	93

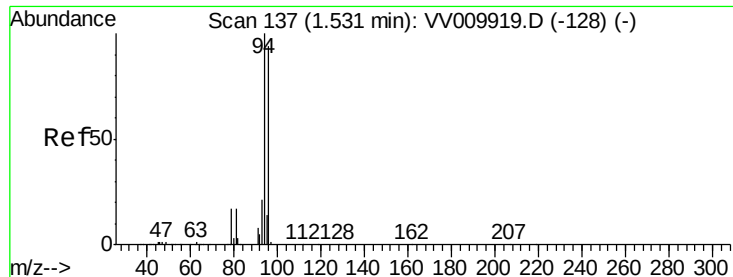
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.447 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.02 min

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Instrument :

MSVOA_V

ClientSampleId :

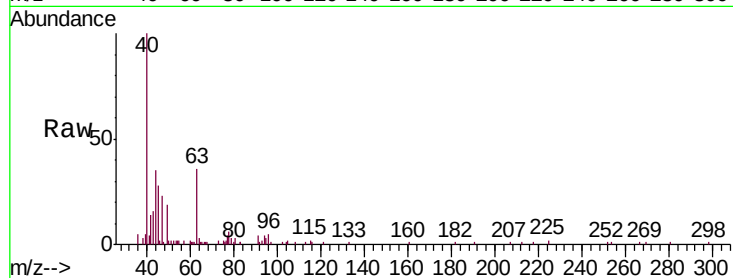
BF7X1

Tgt Ion: 94 Resp: 818

Ion Ratio Lower Upper

94 100

96 59.5 9.4 179.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

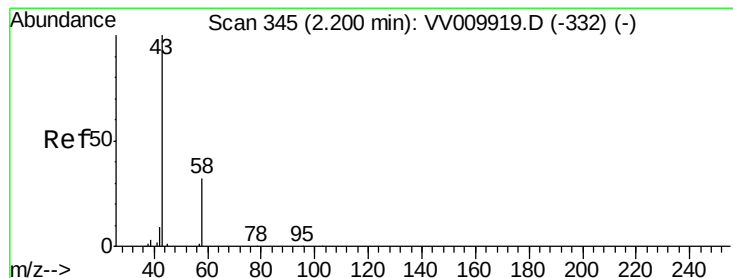
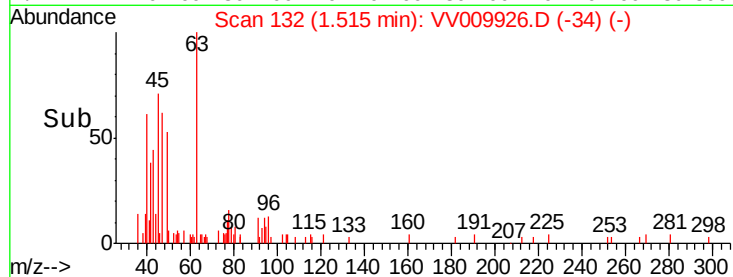
600

400

200

0

Time-->



#13

Acetone

Concen: 7.179 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV009926.D

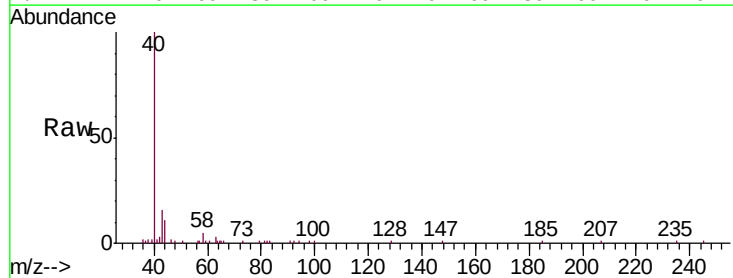
Acq: 27 Mar 2019 14:25

Tgt Ion: 43 Resp: 3245

Ion Ratio Lower Upper

43 100

58 31.9 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.18

2500

2000

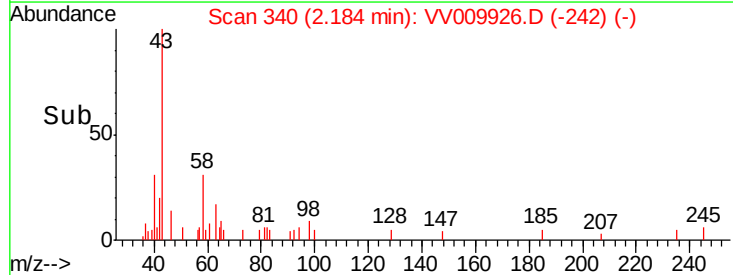
1500

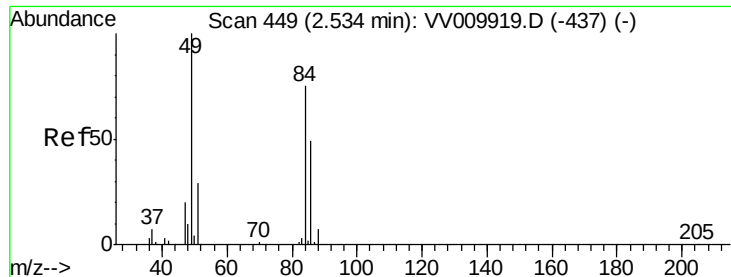
1000

500

0

Time-->

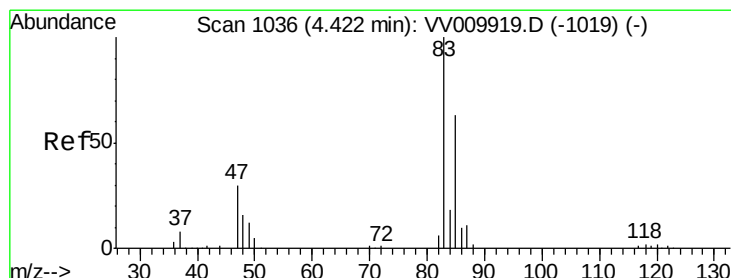
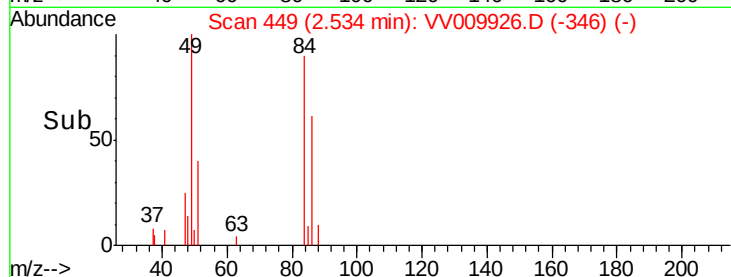
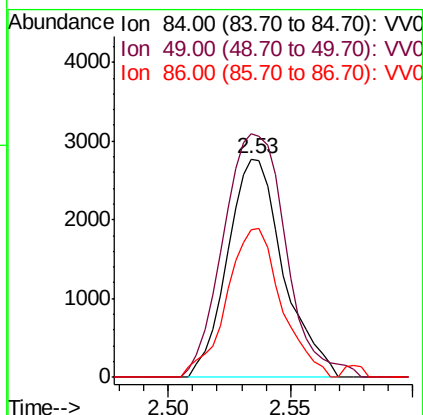
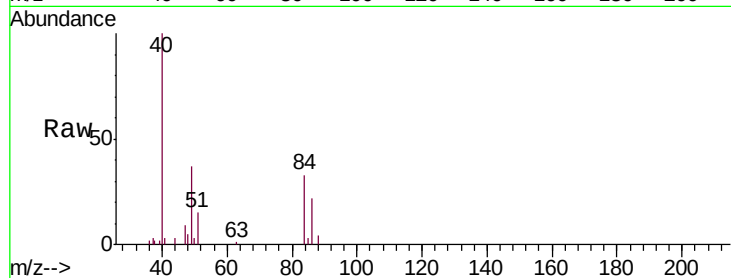




#16
Methylene chloride
Concen: 3.396 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009926.D
Acq: 27 Mar 2019 14:25

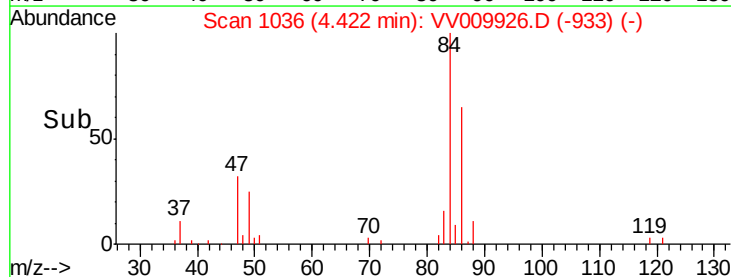
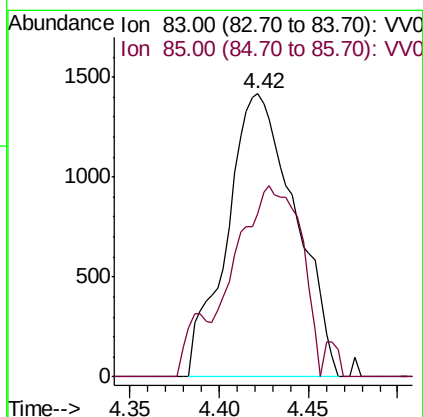
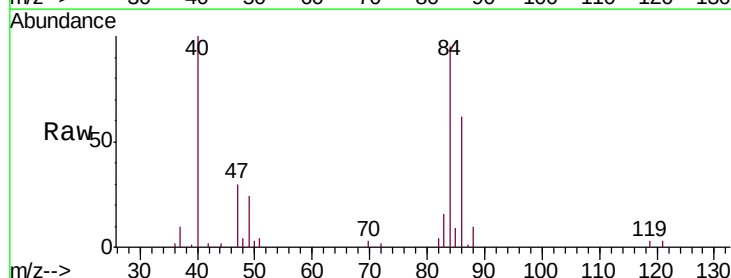
Instrument :
MSVOA_V
ClientSampled :
BF7X1

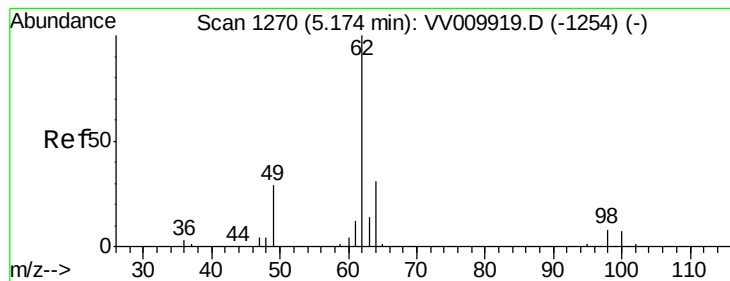
Tgt Ion: 84 Resp: 4415
Ion Ratio Lower Upper
84 100
49 111.5 90.4 167.8
86 67.8 44.0 81.6



#25
Chloroform
Concen: 1.808 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV009926.D
Acq: 27 Mar 2019 14:25

Tgt Ion: 83 Resp: 3782
Ion Ratio Lower Upper
83 100
85 27.2 46.1 85.7#





#27

1,2-Dichloroethane

Concen: 0.453 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV009926.D

Acq: 27 Mar 2019 14:25

Instrument :

MSVOA_V

ClientSampleId :

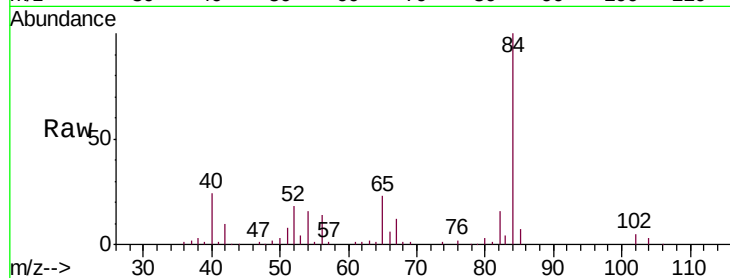
BF7X1

Tgt Ion: 62 Resp: 672

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.10

400

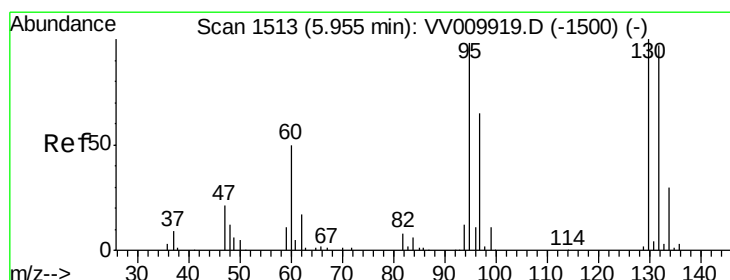
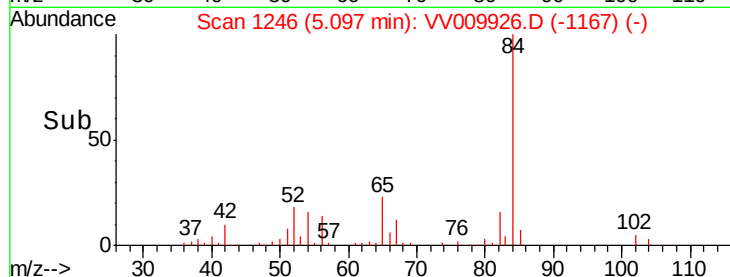
300

200

100

0

Time-->



#35

Trichloroethene

Concen: 0.861 ug/L

RT: 5.66 min Scan# 1421

Delta R.T. -0.30 min

Lab File: VV009926.D

Acq: 27 Mar 2019 14:25

Tgt Ion: 95 Resp: 1114

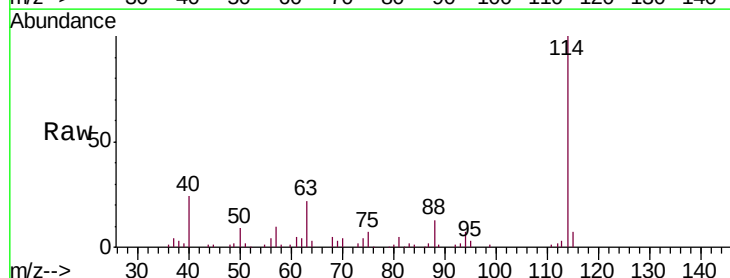
Ion Ratio Lower Upper

95 100

97 0.0 46.3 85.9#

132 4.2 69.3 128.7#

130 0.0 69.5 129.1#



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

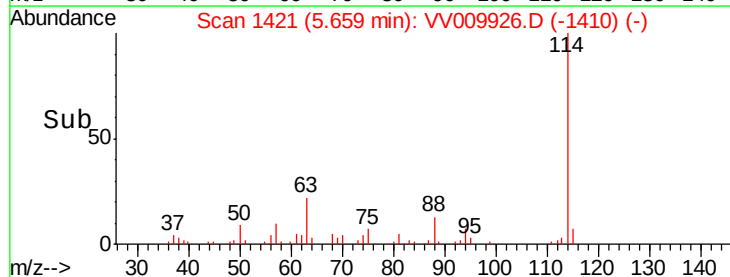
1500

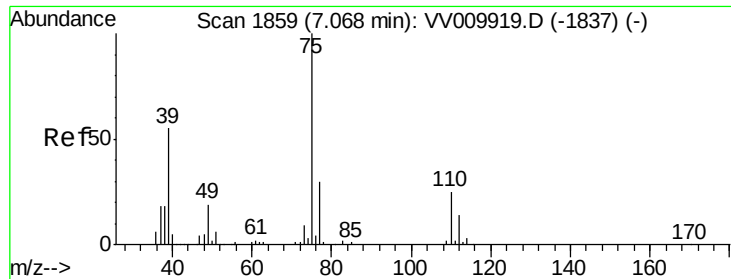
1000

500

0

Time-->



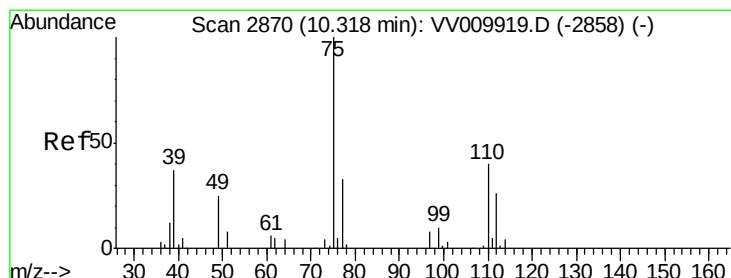
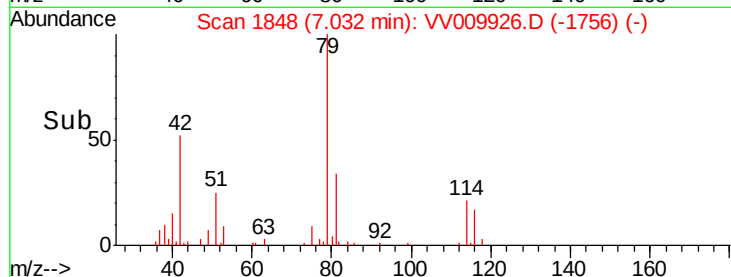
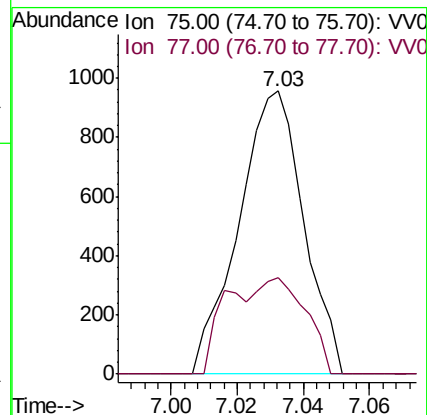
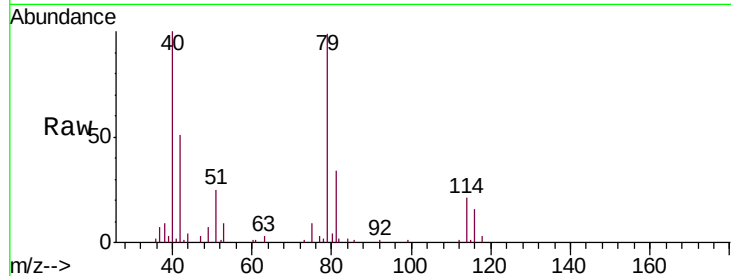


#42

cis-1,3-Dichloropropene
 Concen: 0.728 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009926.D
 Acq: 27 Mar 2019 14:25

Instrument :
 MSVOA_V
 ClientSampled :
 BF7X1

Tgt Ion: 75 Resp: 1302
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.8 40.6



#59

1,2,3-Trichloropropane
 Concen: 5.817 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV009926.D
 Acq: 27 Mar 2019 14:25

Tgt Ion: 75 Resp: 5739
 Ion Ratio Lower Upper
 75 100
 77 36.6 26.2 39.2

