

Data File : VV009927.D
Acq On : 27 Mar 2019 14:51
Operator : SY/MD
Sample : K2085-16
Misc : 5.23G/10mL/MSVOA_V/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF7X2

Quant Time: Mar 28 05:16:31 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	143880	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	146744	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49487	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59058	20.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.92%
7) Chloroethane-d5	1.57	69	77910	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.84%
10) 1,1-Dichloroethene-d2	2.13	63	138330	17.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.28%
20) 2-Butanone-d5	4.02	46	206	0.38	ug/L	0.08
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.76%#
24) Chloroform-d	4.40	84	97197	26.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.08%
26) 1,2-Dichloroethane-d4	5.08	65	63862	28.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.80%
29) Benzene-d6	5.10	84	209243	27.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.60%
33) 1,2-Dichloropropane-d6	6.12	67	65689	29.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.56%
37) Toluene-d8	7.36	98	185376	25.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.64%
38) trans-1,3-Dichloropropene-	7.66	79	19300	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.72%
39) 2-Hexanone-d5	8.13	63	14599	34.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	51990	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	53045	28.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.60%

Target Compounds

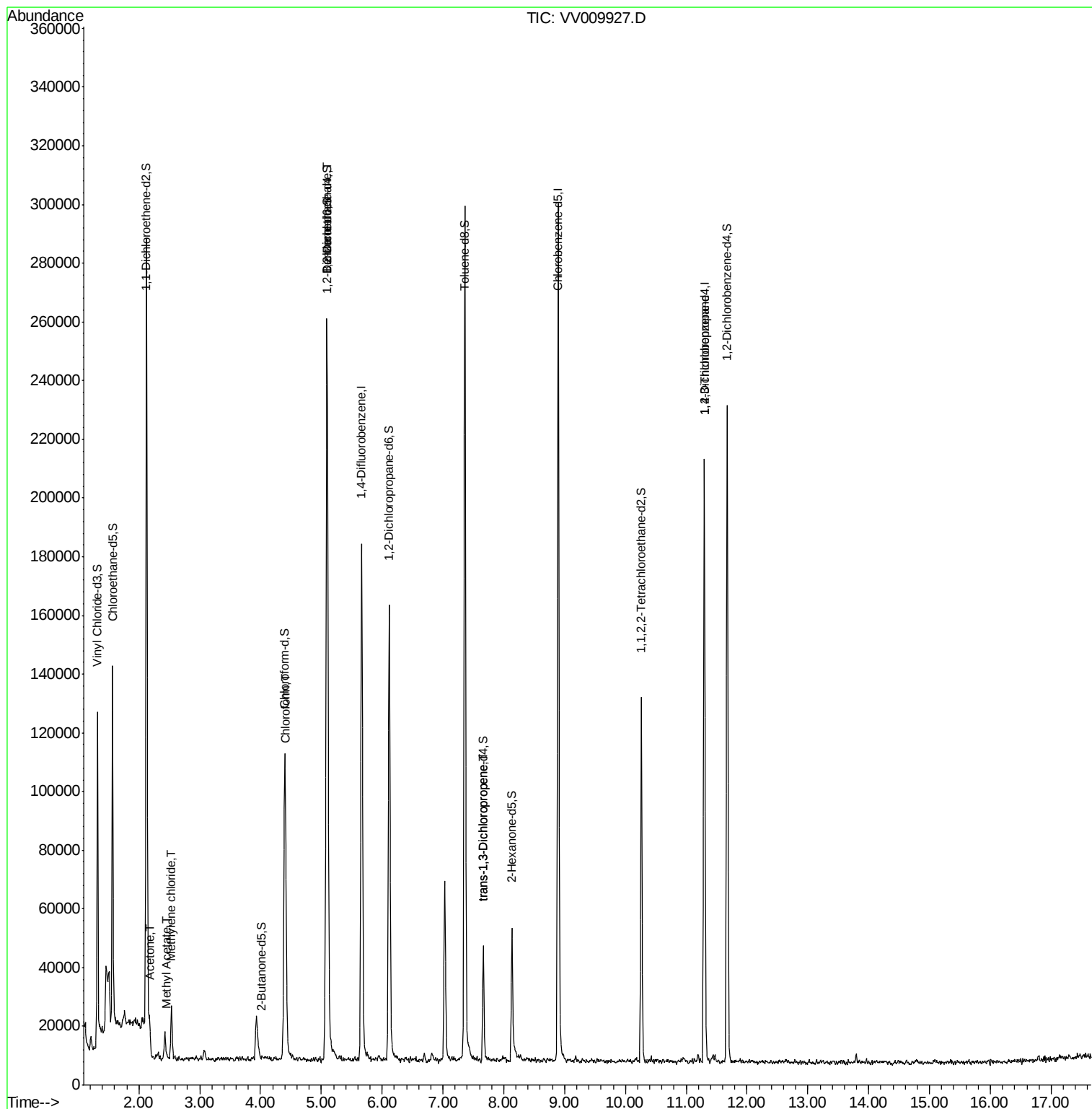
					Qvalue
13) Acetone	2.19	43	2946	3.576 ug/L	92
15) Methyl Acetate	2.46	43	478	0.495 ug/L #	49
16) Methylene chloride	2.53	84	7290	3.077 ug/L	91
25) Chloroform	4.42	83	3275	0.859 ug/L #	47
27) 1,2-Dichloroethane	5.10	62	1711	0.634 ug/L #	75
45) trans-1,3-Dichloropropene	7.67	75	1229	0.511 ug/L #	42
59) 1,2,3-Trichloropropane	11.30	75	8070	4.981 ug/L #	87

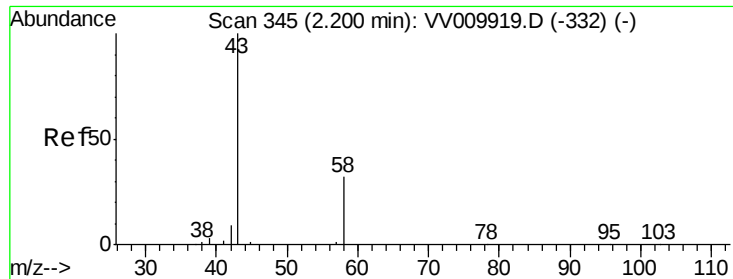
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.576 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV009927.D

Acq: 27 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

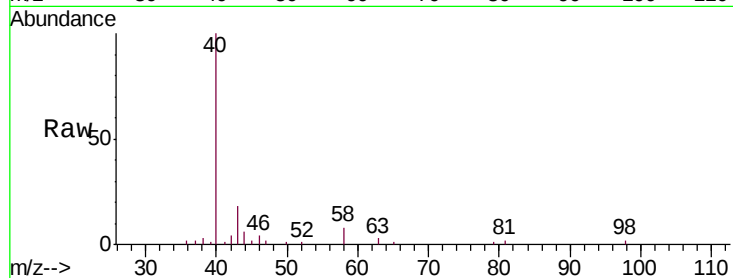
BF7X2

Tgt Ion: 43 Resp: 2946

Ion Ratio Lower Upper

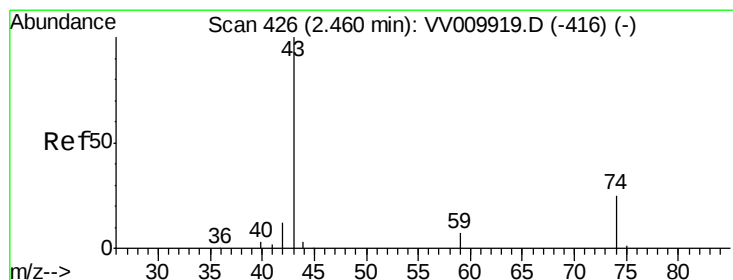
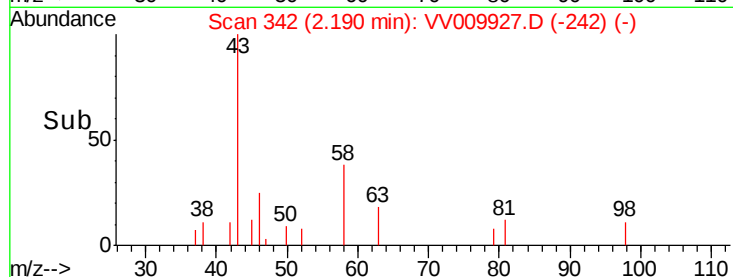
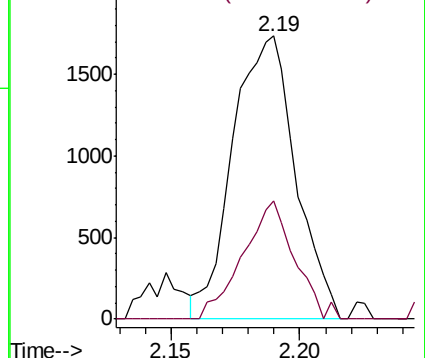
43 100

58 33.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009919.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV009919.D (-332) (-)



#15

Methyl Acetate

Concen: 0.495 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV009927.D

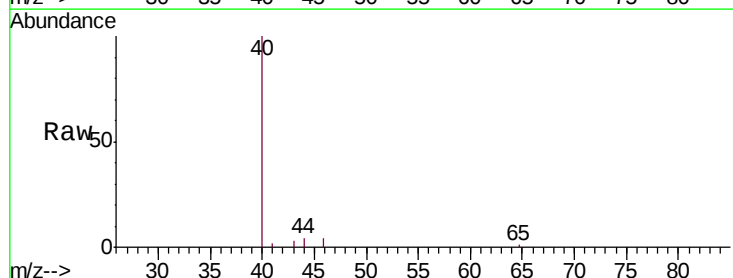
Acq: 27 Mar 2019 14:51

Tgt Ion: 43 Resp: 478

Ion Ratio Lower Upper

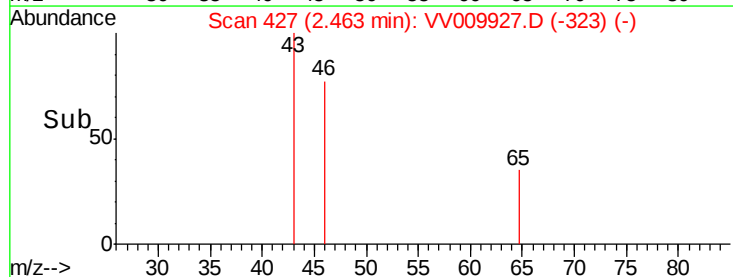
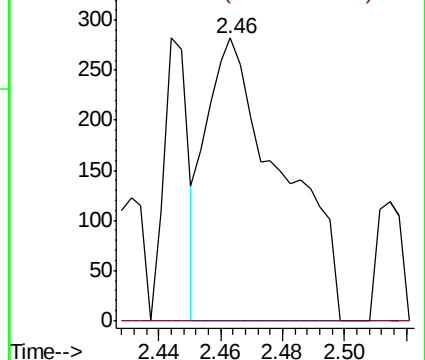
43 100

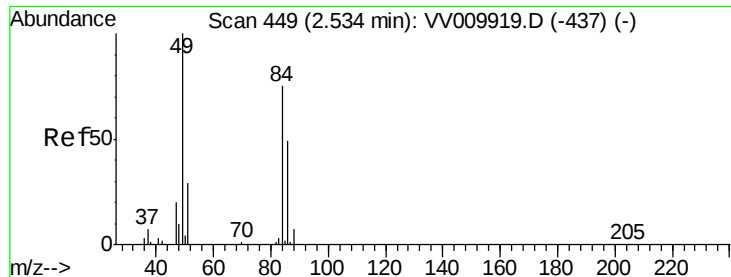
74 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VV009919.D (-416) (-)

Ion 74.00 (73.70 to 74.70): VV009919.D (-416) (-)

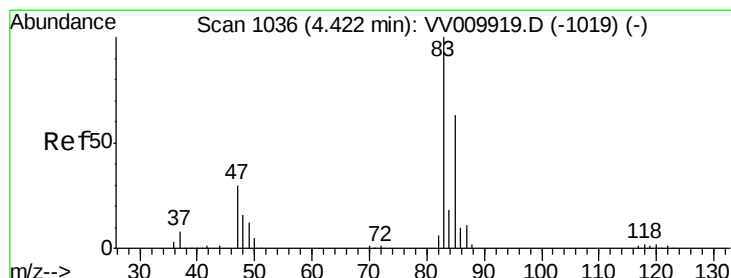
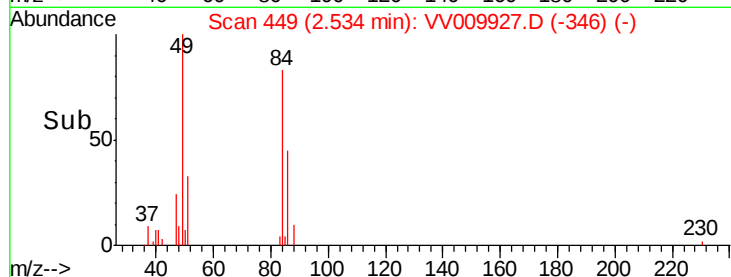
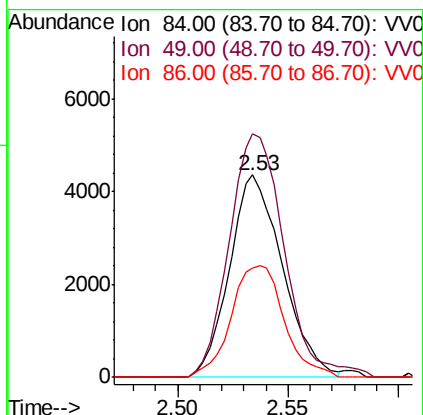
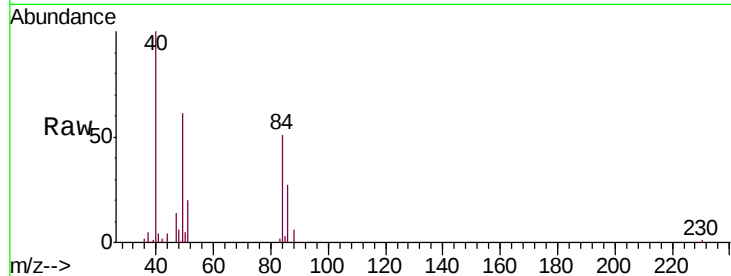




#16
Methylene chloride
Concen: 3.077 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009927.D
Acq: 27 Mar 2019 14:51

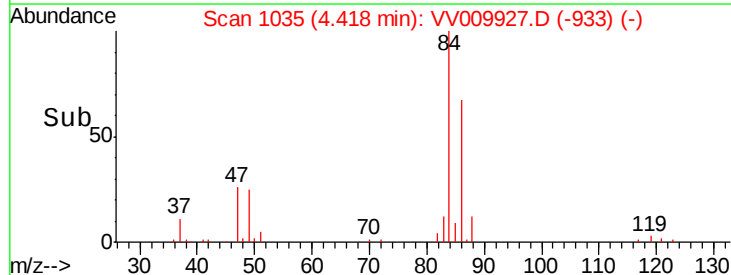
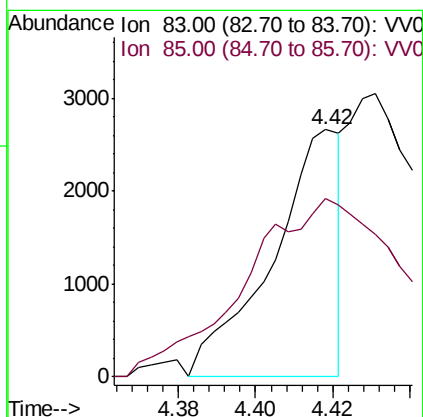
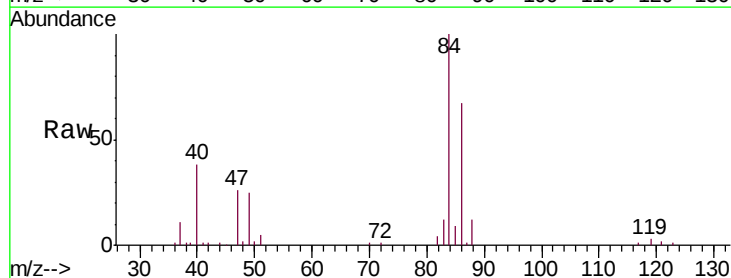
Instrument :
MSVOA_V
ClientSampled :
BF7X2

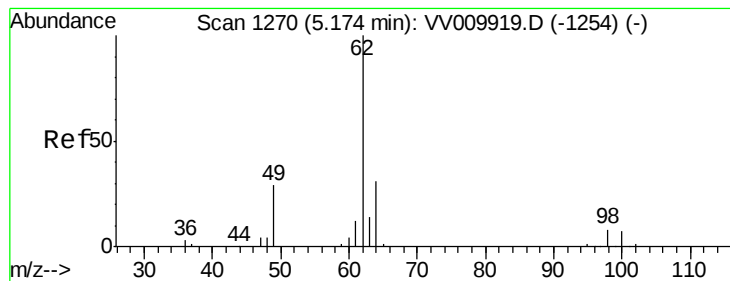
Tgt Ion: 84 Resp: 7290
Ion Ratio Lower Upper
84 100
49 120.3 90.4 167.8
86 54.2 44.0 81.6



#25
Chloroform
Concen: 0.859 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV009927.D
Acq: 27 Mar 2019 14:51

Tgt Ion: 83 Resp: 3275
Ion Ratio Lower Upper
83 100
85 108.3 46.1 85.7#





#27

1,2-Dichloroethane

Concen: 0.634 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.07 min

Lab File: VV009927.D

Acq: 27 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

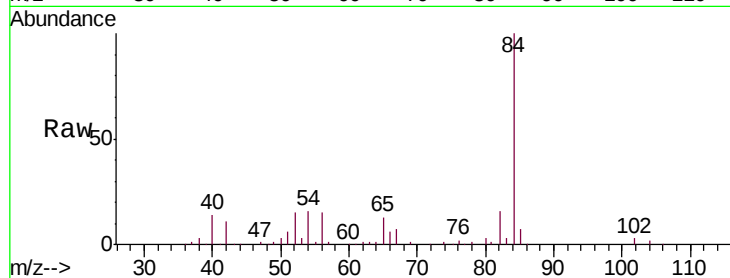
BF7X2

Tgt Ion: 62 Resp: 1711

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV009927.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VV009927.D (-1247) (-)

5.10

800

600

400

200

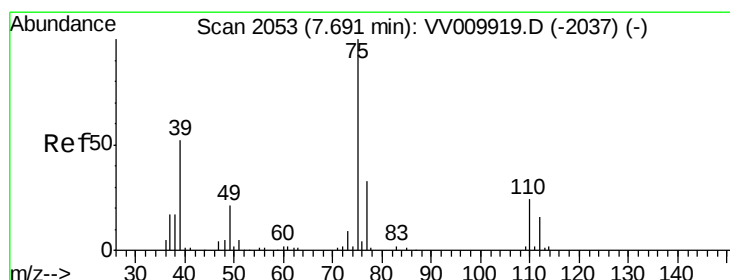
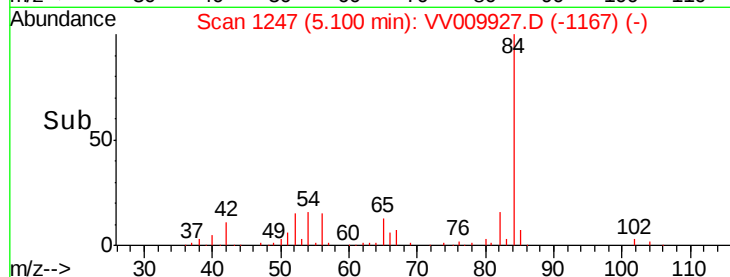
0

5.05

5.10

5.15

Time-->



#45

trans-1,3-Dichloropropene

Concen: 0.511 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV009927.D

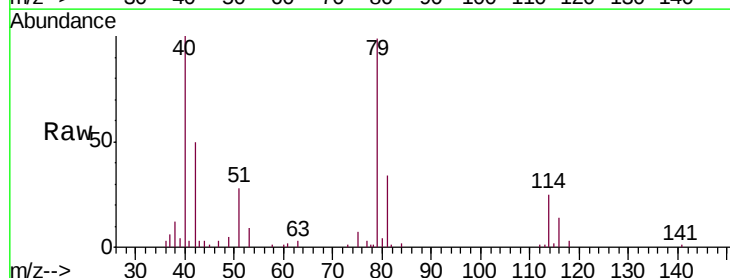
Acq: 27 Mar 2019 14:51

Tgt Ion: 75 Resp: 1229

Ion Ratio Lower Upper

75 100

77 60.9 20.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VV009927.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV009927.D (-1950) (-)

7.67

800

600

400

200

0

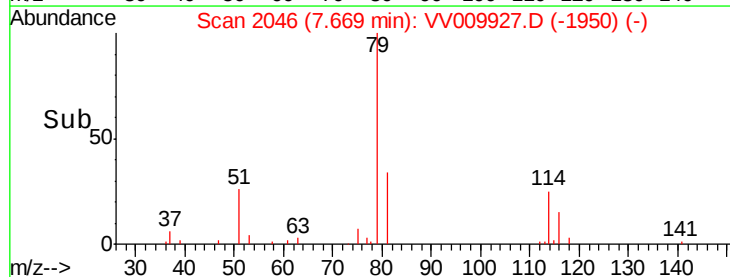
7.64

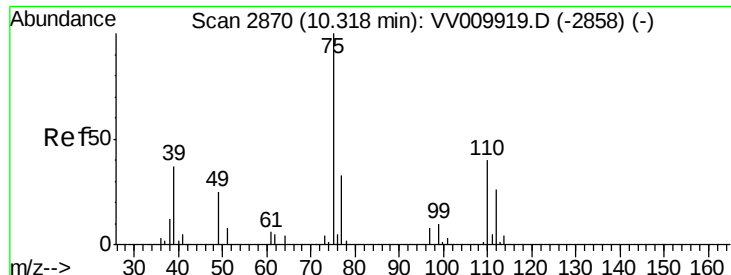
7.66

7.68

7.70

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.981 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV009927.D

Acq: 27 Mar 2019 14:51

Instrument :

MSVOA_V

ClientSampleId :

BF7X2

Tgt Ion: 75 Resp: 8070

Ion Ratio Lower Upper

75 100

77 39.8 26.2 39.2#

