

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010200.D
 Acq On : 09 Apr 2019 03:15
 Operator : SY/MD
 Sample : K2254-14
 Misc : 4.91G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFC37

Quant Time: Apr 09 07:39:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 09 07:35:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	274374	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	256203	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	107494	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	54417	14.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.28%
7) Chloroethane-d5	1.56	69	61824	13.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.20%
10) 1,1-Dichloroethene-d2	2.12	63	77859	8.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	33.60%#
20) 2-Butanone-d5	3.93	46	30805	29.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.94%
24) Chloroform-d	4.39	84	132366	19.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.60%
26) 1,2-Dichloroethane-d4	5.08	65	83037	21.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.88%
29) Benzene-d6	5.09	84	276179	20.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.16%
33) 1,2-Dichloropropane-d6	6.12	67	86318	22.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.04%
37) Toluene-d8	7.36	98	265042	20.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.80%
38) trans-1,3-Dichloropropene-	7.66	79	29927	17.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.40%
39) 2-Hexanone-d5	8.13	63	23248	29.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	69513	17.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	71.92%
61) 1,2-Dichlorobenzene-d4	11.68	152	93209	22.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.04%

Target Compounds

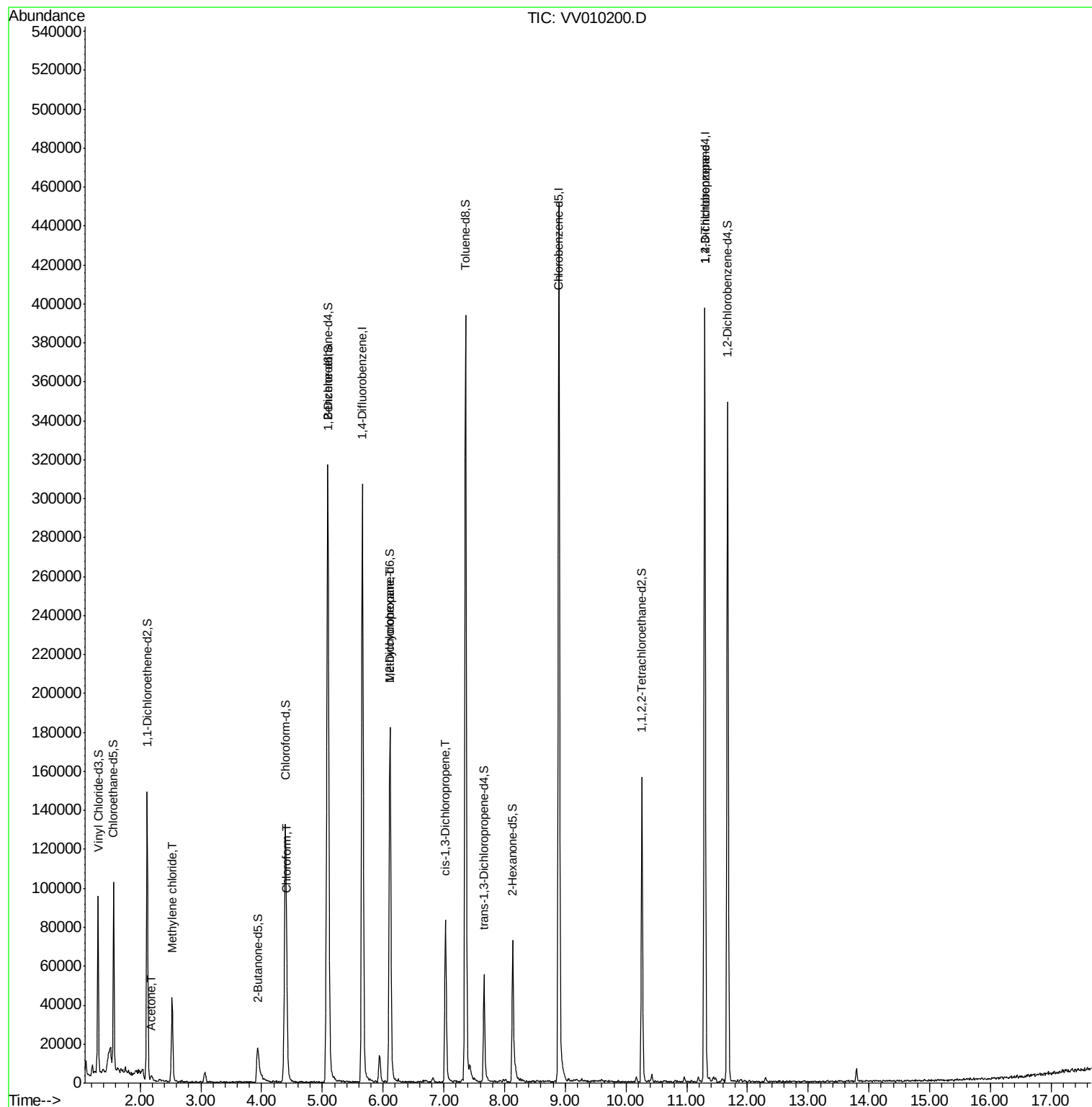
					Ovalue
13) Acetone	2.19	43	2456	2.377 ug/L	69
16) Methylene chloride	2.53	84	18498	3.837 ug/L	95
25) Chloroform	4.42	83	6731	1.079 ug/L	89
36) Methylcyclohexane	6.12	83	20609	3.815 ug/L #	21
42) cis-1,3-Dichloropropene	7.03	75	2500	0.546 ug/L #	63
59) 1,2,3-Trichloropropane	11.30	75	13106	5.070 ug/L #	87

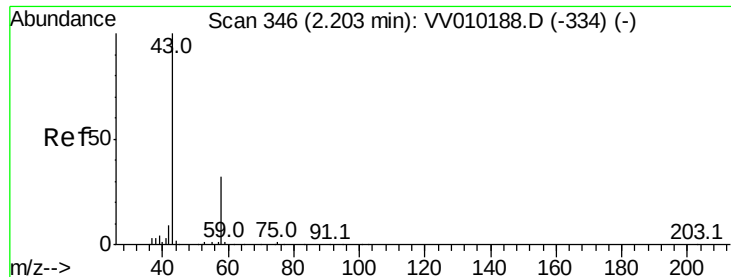
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.377 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV010200.D

Acq: 09 Apr 2019 03:15

Instrument :

MSVOA_V

ClientSampled :

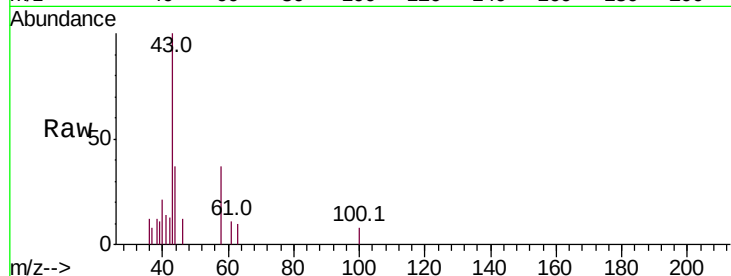
BFC37

Tot Ion: 43 Resp: 2456

Ion Ratio Lower Upper

43 100

58 14.8 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010188.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV010188.D (-334) (-)

2.19

1500

1000

500

0

Time-->

2.15

2.20

2.25

2.30

2.35

2.40

2.45

2.50

2.55

2.60

2.65

2.70

2.75

2.80

2.85

2.90

2.95

3.00

3.05

3.10

3.15

3.20

3.25

3.30

3.35

3.40

3.45

3.50

3.55

3.60

3.65

3.70

3.75

3.80

3.85

3.90

3.95

4.00

4.05

4.10

4.15

4.20

4.25

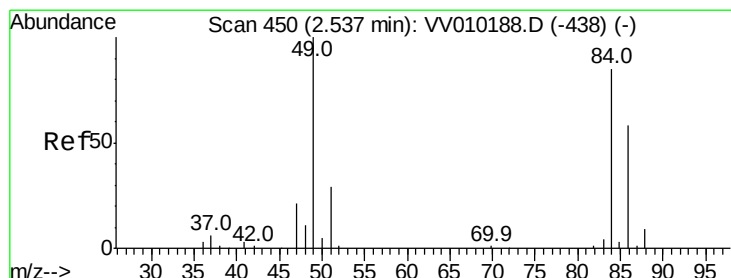
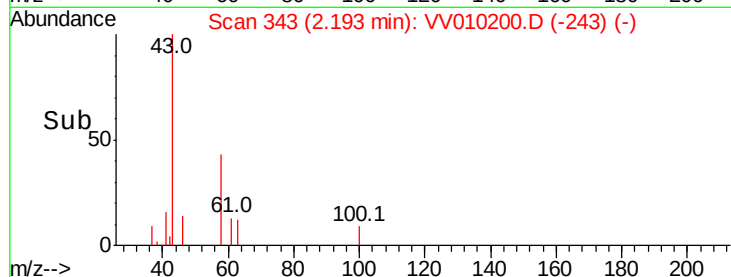
4.30

4.35

4.40

4.45

4.50



#16

Methylene chloride

Concen: 3.837 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.01 min

Lab File: VV010200.D

Acq: 09 Apr 2019 03:15

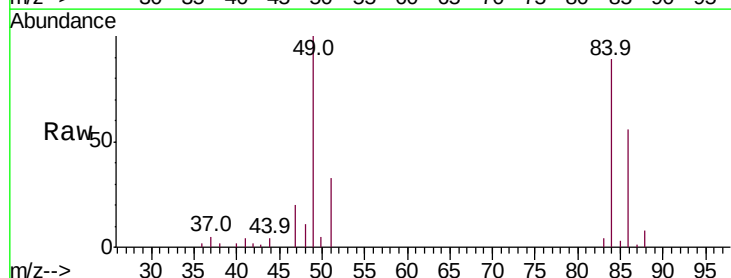
Tgt Ion: 84 Resp: 18498

Ion Ratio Lower Upper

84 100

49 112.6 84.3 156.5

86 63.5 45.4 84.2



Abundance Ion 84.00 (83.70 to 84.70): VV010188.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV010188.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV010188.D (-438) (-)

2.53

15000

10000

5000

0

Time-->

2.45

2.50

2.55

2.60

2.65

2.70

2.75

2.80

2.85

2.90

2.95

3.00

3.05

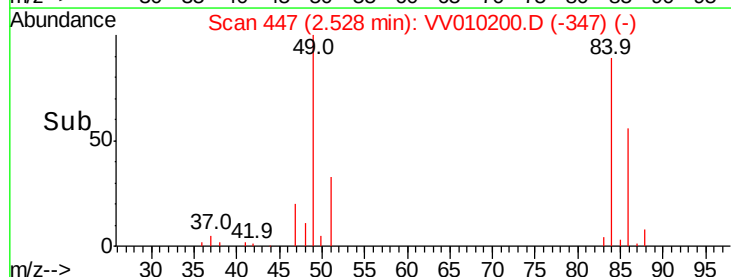
3.10

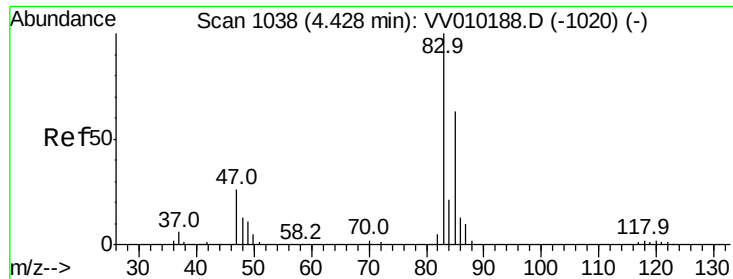
3.15

3.20

3.25

3.30

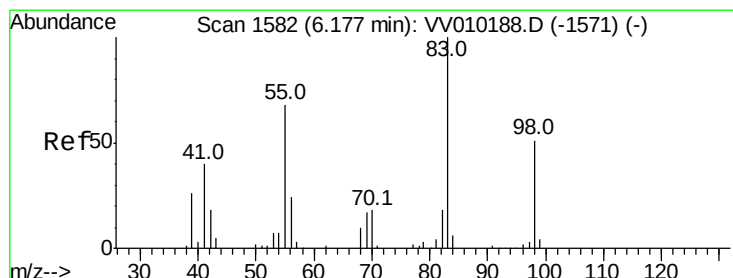
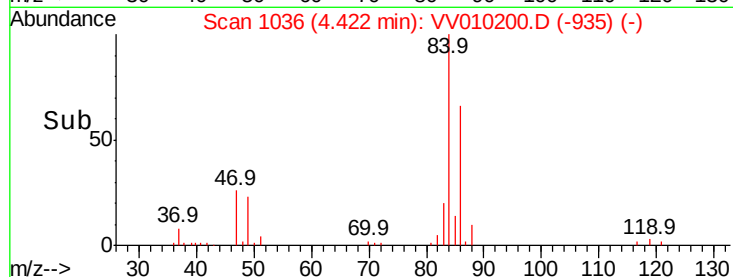
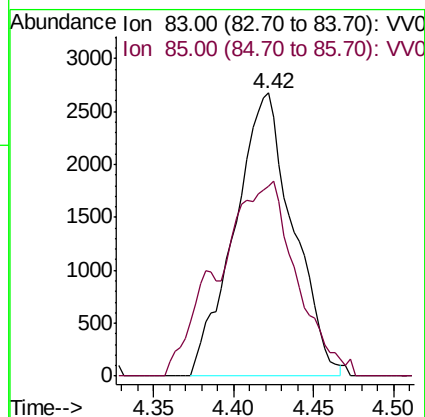
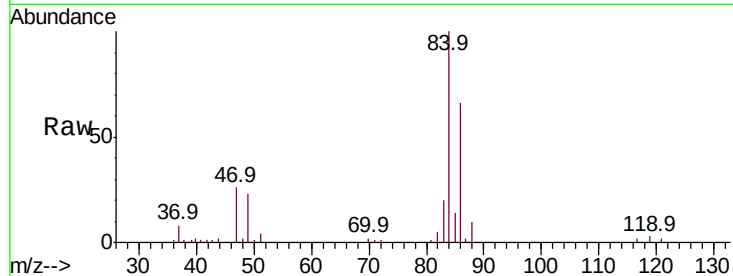




#25
Chloroform
Concen: 1.079 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VV010200.D
Acq: 09 Apr 2019 03:15

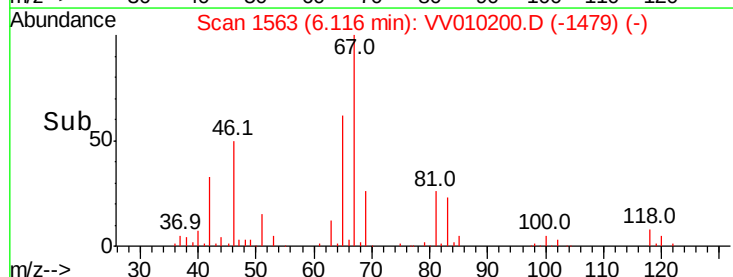
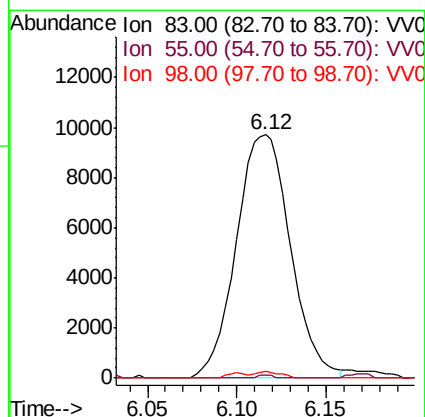
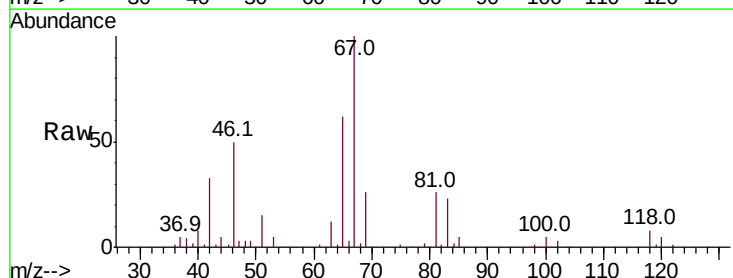
Instrument :
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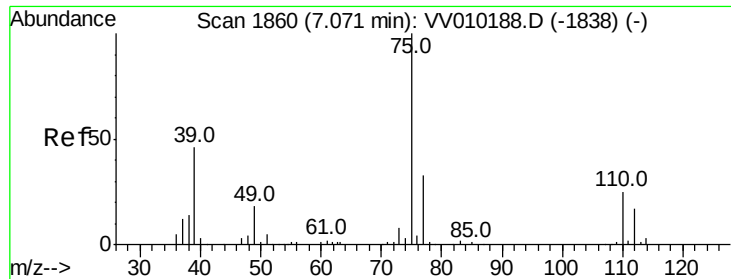
Tot Ion: 83 Resp: 6731
Ion Ratio Lower Upper
83 100
85 74.7 46.4 86.2



#36
Methylcyclohexane
Concen: 3.815 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV010200.D
Acq: 09 Apr 2019 03:15

Tgt Ion: 83 Resp: 20609
Ion Ratio Lower Upper
83 100
55 0.3 56.3 84.5#
98 1.2 39.0 58.6#



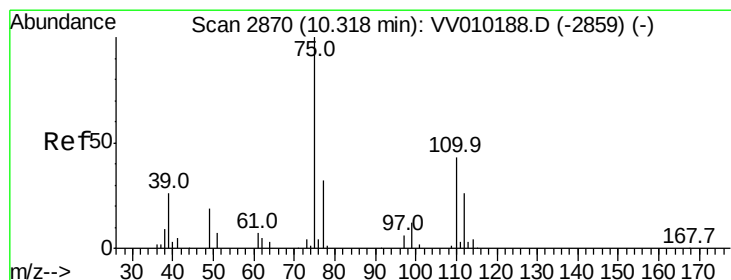
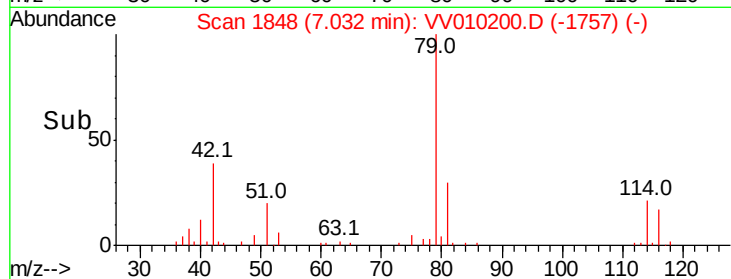
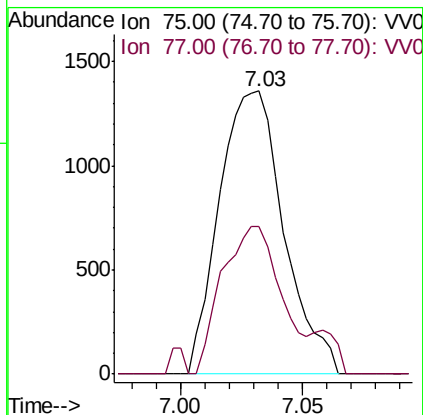
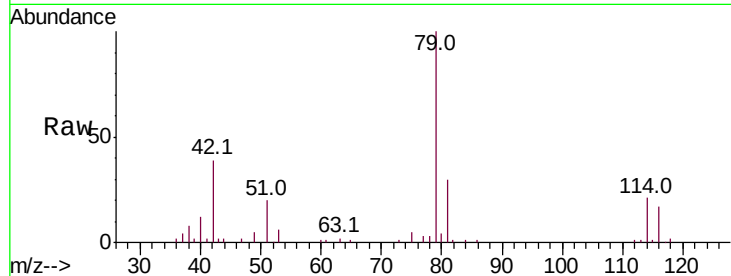


#42

cis-1,3-Dichloropropene
Concen: 0.546 ug/L
RT: 7.03 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VV010200.D
Acq: 09 Apr 2019 03:15

Instrument :
MSVOA_V
ClientSampleId :
BFC37

Tot Ion: 75 Resp: 2500
Ion Ratio Lower Upper
75 100
77 52.4 22.1 41.1#



#59

1,2,3-Trichloropropane
Concen: 5.070 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV010200.D
Acq: 09 Apr 2019 03:15

Tgt Ion: 75 Resp: 13106
Ion Ratio Lower Upper
75 100
77 39.5 25.8 38.8#

