

Data File : VV010982.D
Acq On : 21 May 2019 03:58
Operator : SY/MD
Sample : K2846-22
Misc : 4.28G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFHA4

Quant Time: May 21 05:32:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Tue May 21 05:28:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	38868	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	33271	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	8544	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	9415	21.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.00%
7) Chloroethane-d5	1.57	69	6967	23.22	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.88%
10) 1,1-Dichloroethene-d2	2.12	63	13993	16.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.68%
20) 2-Butanone-d5	3.94	46	5600	36.63	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.26%
24) Chloroform-d	4.40	84	23935	23.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	5.08	65	13697	23.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.36%
29) Benzene-d6	5.09	84	49476	27.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.96%
33) 1,2-Dichloropropane-d6	6.12	67	15521	26.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.56%
37) Toluene-d8	7.36	98	36283	21.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.96%
38) trans-1,3-Dichloropropene-	7.66	79	3724	15.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	62.84%
39) 2-Hexanone-d5	8.14	63	3116	28.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.90%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	13301	23.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.32%
61) 1,2-Dichlorobenzene-d4	11.68	152	8654	24.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.80%

Target Compounds

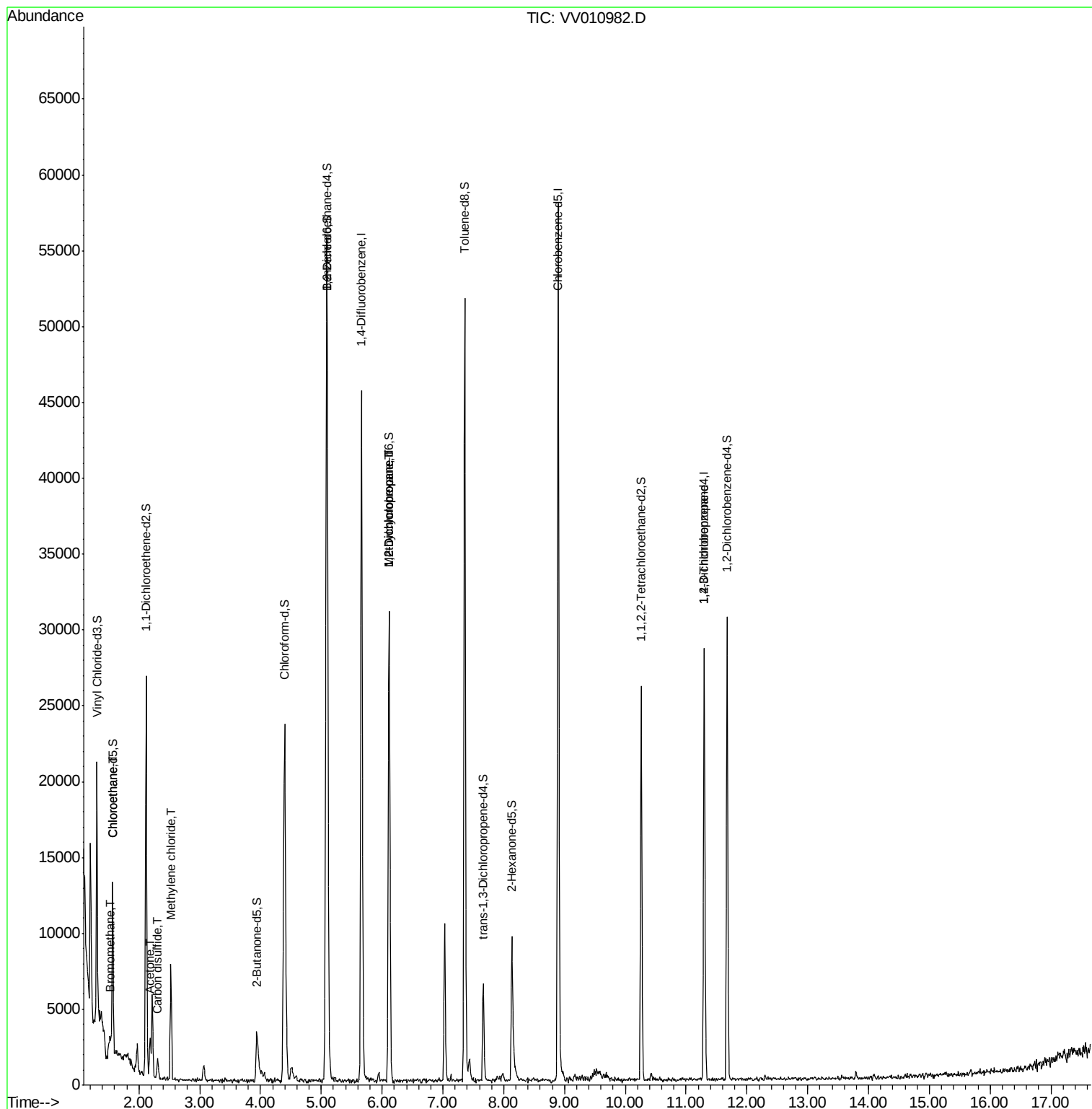
					Qvalue
6) Bromomethane	1.52	94	149	0.819 ug/L	50
8) Chloroethane	1.58	64	400	1.531 ug/L #	46
13) Acetone	2.19	43	2320	15.735 ug/L	81
14) Carbon disulfide	2.31	76	797	0.694 ug/L #	75
16) Methylene chloride	2.52	84	2961	4.439 ug/L	95
36) Methylcyclohexane	6.12	83	3679	4.696 ug/L #	21
40) 1,2-Dichloropropane	6.11	63	1663	3.299 ug/L #	86
59) 1,2,3-Trichloropropane	11.30	75	976	2.349 ug/L	96

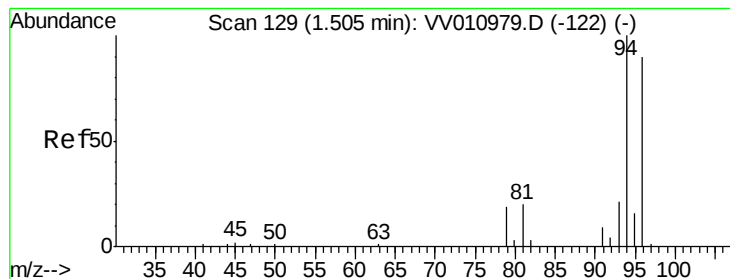
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV010982.D
Acq On : 21 May 2019 03:58
Operator : SY/MD
Sample : K2846-22
Misc : 4.28G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFHA4

Quant Time: May 21 05:32:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Tue May 21 05:28:51 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 0.819 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.02 min

Lab File: VV010982.D

Acq: 21 May 2019 03:58

Instrument :

MSVOA_V

ClientSampled :

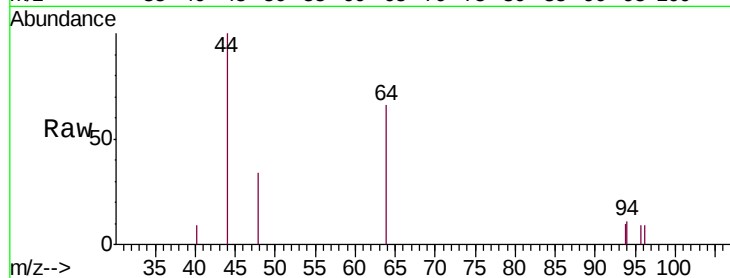
BFHA4

Tgt Ion: 94 Resp: 149

Ion Ratio Lower Upper

94 100

96 45.6 9.3 177.7



Abundance Ion 94.00 (93.70 to 94.70): VV010979.D (-122) (-)

Ion 96.00 (95.70 to 96.70): VV010979.D (-122) (-)

1.52

250

200

150

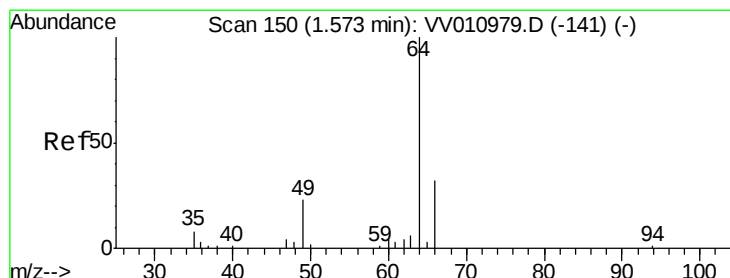
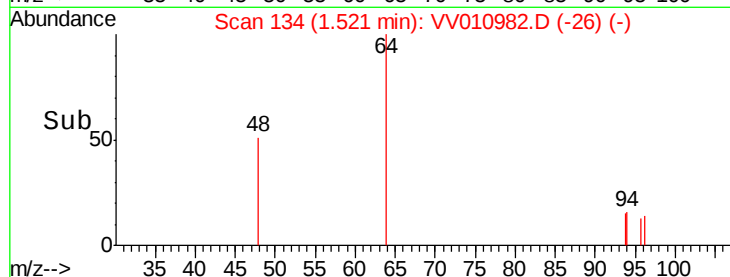
100

50

0

1.51 1.52 1.53

Time-->



#8

Chloroethane

Concen: 1.531 ug/L

RT: 1.58 min Scan# 151

Delta R.T. 0.00 min

Lab File: VV010982.D

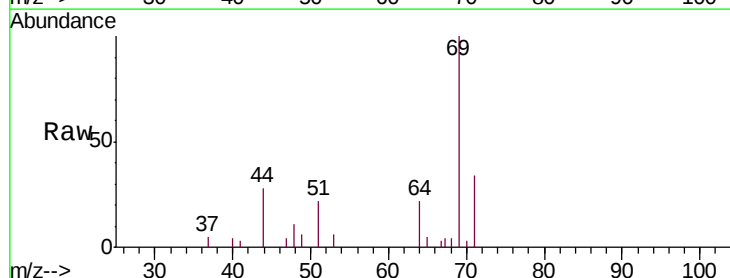
Acq: 21 May 2019 03:58

Tgt Ion: 64 Resp: 400

Ion Ratio Lower Upper

64 100

66 0.0 20.4 37.8#



Abundance Ion 64.00 (63.70 to 64.70): VV010979.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV010979.D (-141) (-)

1000

800

600

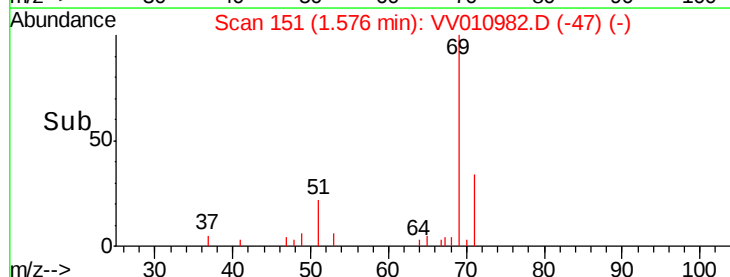
400

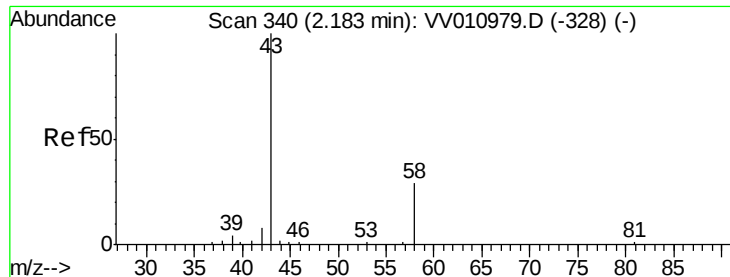
200

0

1.56 1.57 1.58 1.59

Time-->





#13

Acetone

Concen: 15.735 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010982.D

Acq: 21 May 2019 03:58

Instrument :

MSVOA_V

ClientSampleId :

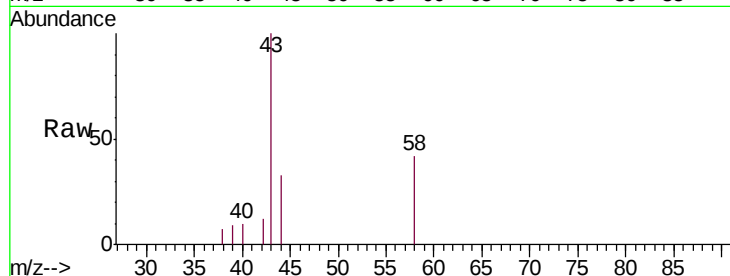
BFHA4

Tgt Ion: 43 Resp: 2320

Ion Ratio Lower Upper

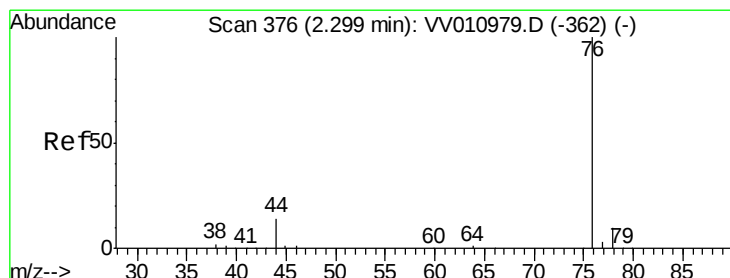
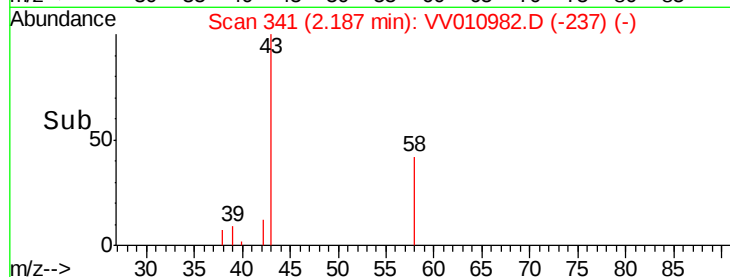
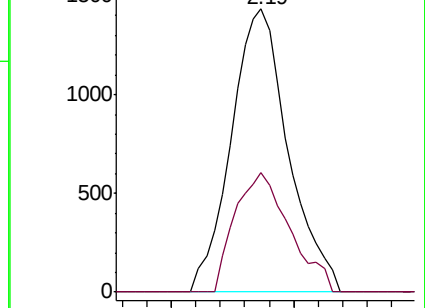
43 100

58 40.6 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV010979.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV010979.D (-328) (-)



#14

Carbon disulfide

Concen: 0.694 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV010982.D

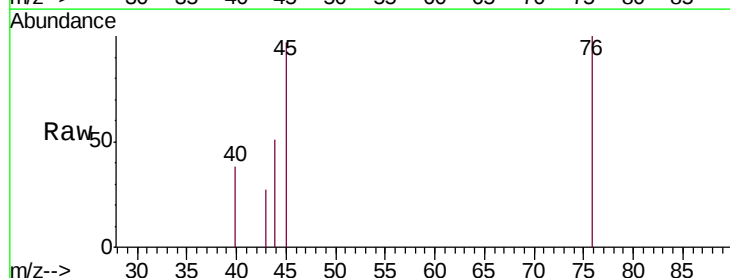
Acq: 21 May 2019 03:58

Tgt Ion: 76 Resp: 797

Ion Ratio Lower Upper

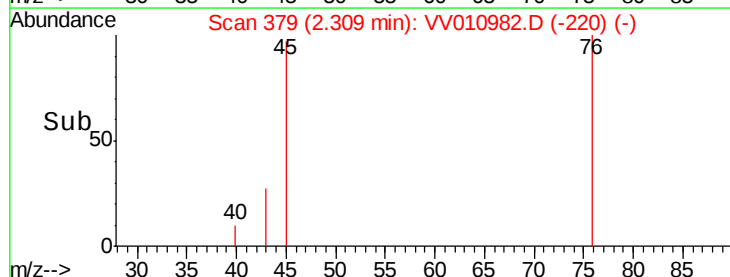
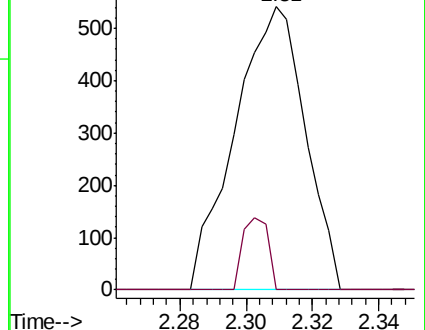
76 100

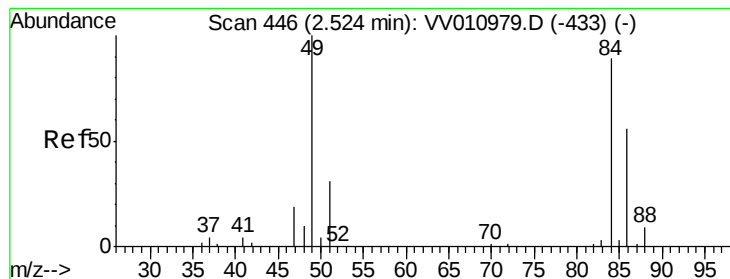
78 0.0 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VV010979.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VV010979.D (-362) (-)





#16

Methylene chloride

Concen: 4.439 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV010982.D

Acq: 21 May 2019 03:58

Instrument :

MSVOA_V

ClientSampled :

BFHA4

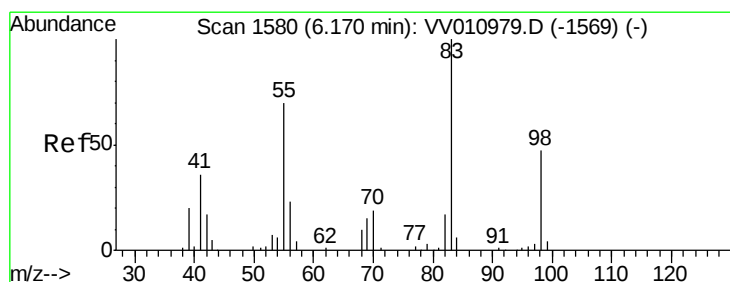
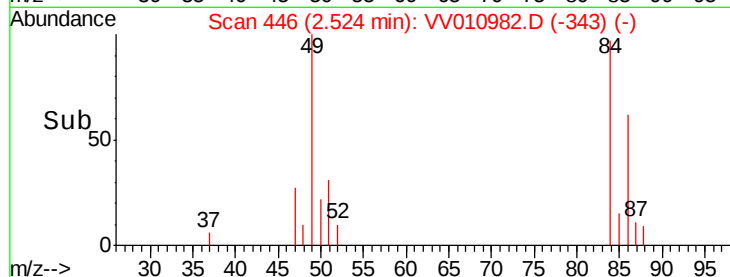
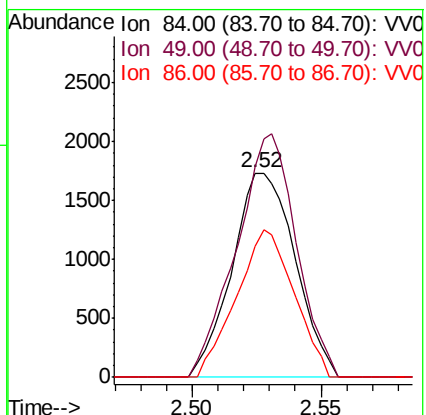
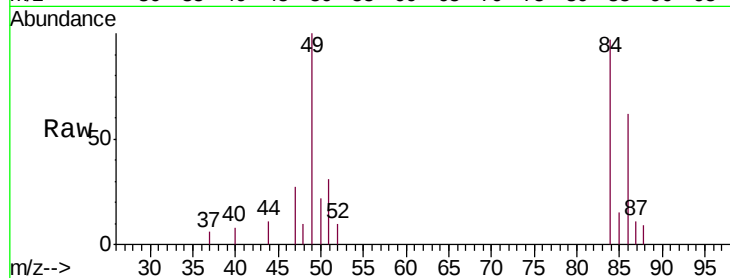
Tgt Ion: 84 Resp: 2961

Ion Ratio Lower Upper

84 100

49 103.0 77.4 143.8

86 64.2 44.0 81.6



#36

Methylcyclohexane

Concen: 4.696 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV010982.D

Acq: 21 May 2019 03:58

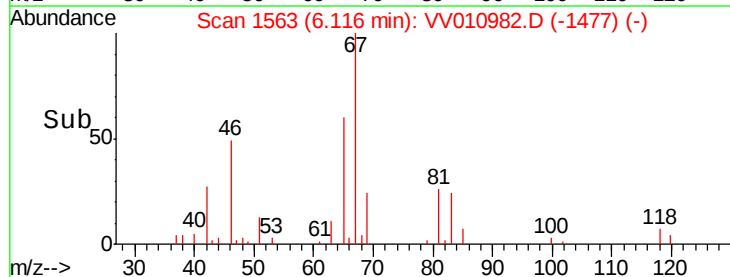
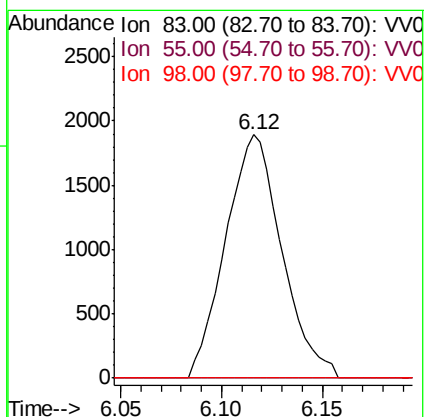
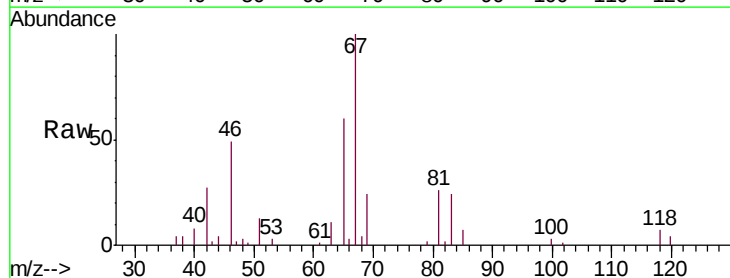
Tgt Ion: 83 Resp: 3679

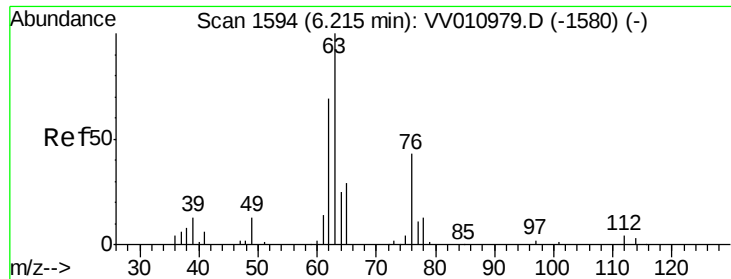
Ion Ratio Lower Upper

83 100

55 0.0 57.0 85.4#

98 0.0 36.2 54.4#





#40

1,2-Dichloropropane

Concen: 3.299 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV010982.D

Acq: 21 May 2019 03:58

Instrument :

MSVOA_V

ClientSampled :

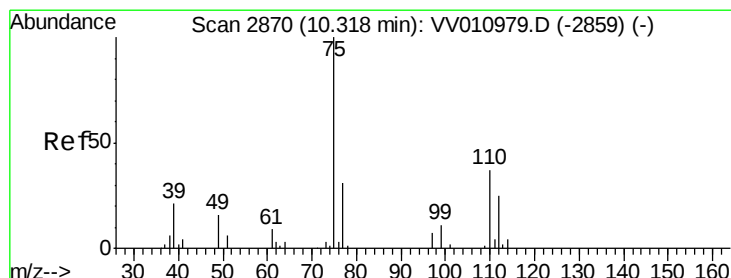
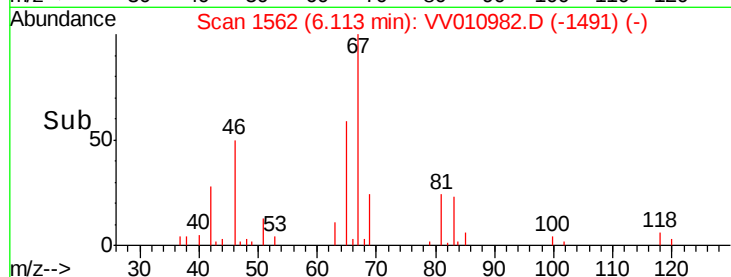
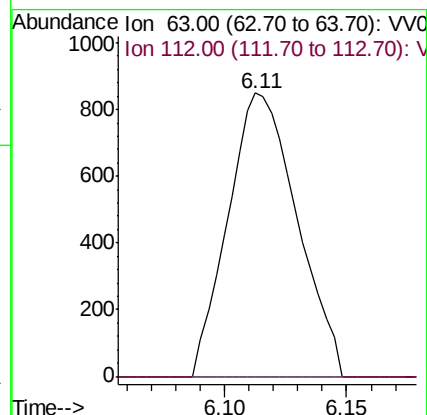
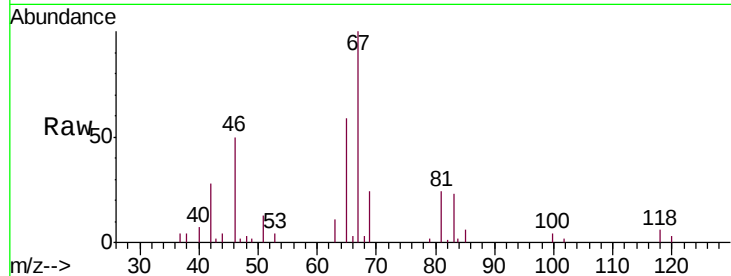
BFHA4

Tgt Ion: 63 Resp: 1663

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



#59

1,2,3-Trichloropropane

Concen: 2.349 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010982.D

Acq: 21 May 2019 03:58

Tgt Ion: 75 Resp: 976

Ion Ratio Lower Upper

75 100

77 34.1 25.4 38.2

