

Data File : VV010964.D
Acq On : 20 May 2019 18:10
Operator : SY/MD
Sample : K2846-05
Misc : 3.93G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFHB4

Quant Time: May 21 04:06:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Tue May 21 04:03:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	115129	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	109047	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39559	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	22384	17.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.20%
7) Chloroethane-d5	1.56	69	16314	18.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.44%
10) 1,1-Dichloroethene-d2	2.12	63	34618	13.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.88%
20) 2-Butanone-d5	3.94	46	23608	52.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.26%
24) Chloroform-d	4.40	84	48314	16.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	64.80%
26) 1,2-Dichloroethane-d4	5.08	65	39153	22.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.12%
29) Benzene-d6	5.09	84	131001	22.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.04%
33) 1,2-Dichloropropane-d6	6.11	67	45480	24.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.16%
37) Toluene-d8	7.36	98	110485	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.84%
38) trans-1,3-Dichloropropene-	7.66	79	15071	19.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.60%
39) 2-Hexanone-d5	8.13	63	20946	59.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	43892	23.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.96%
61) 1,2-Dichlorobenzene-d4	11.67	152	36075	22.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.84%

Target Compounds

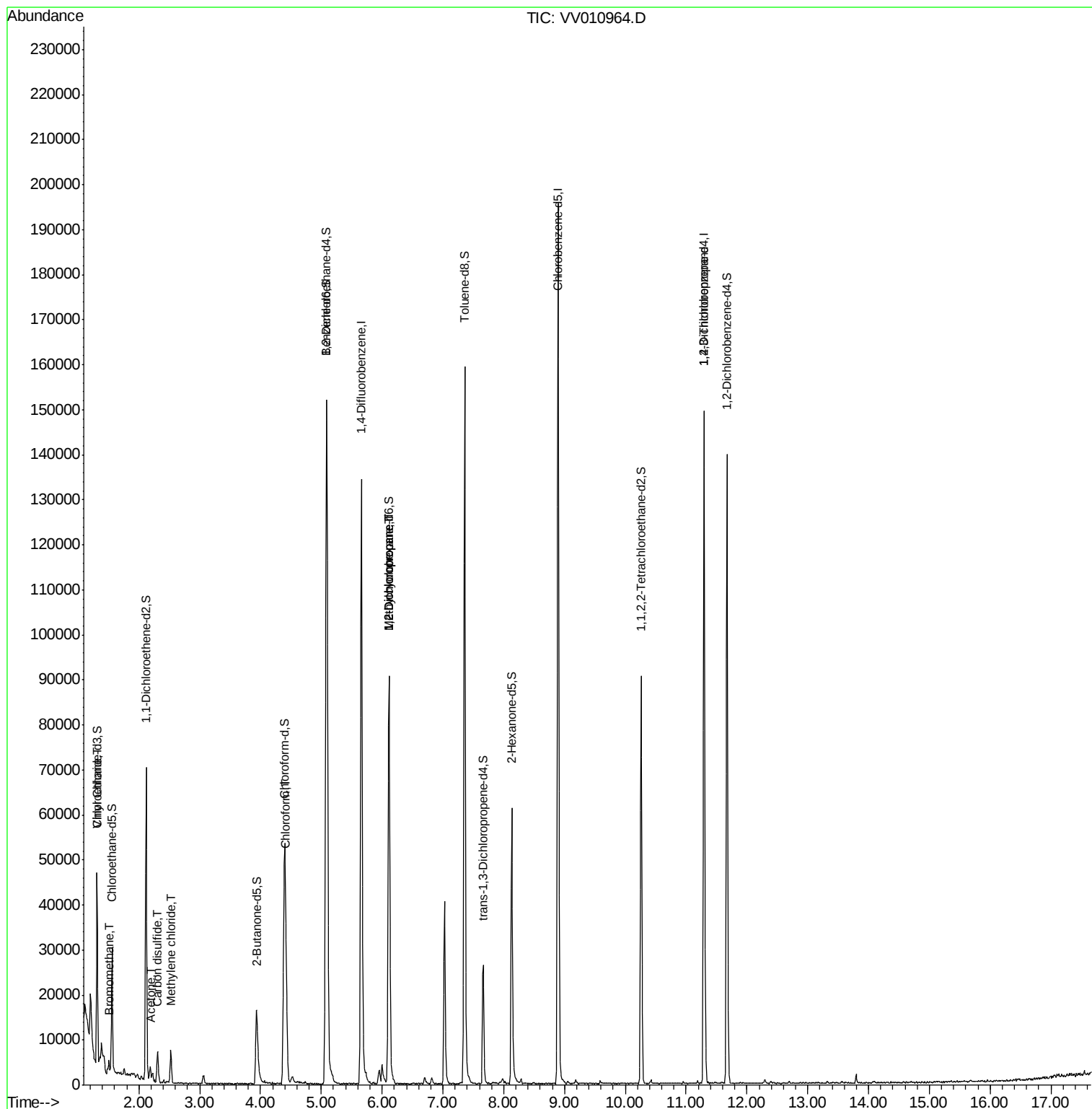
					Qvalue
6) Bromomethane	1.51	94	519	0.963 ug/L	75
8) Chloroethane	1.32	64	2342	3.027 ug/L	100
13) Acetone	2.19	43	2924	6.695 ug/L	97
14) Carbon disulfide	2.31	76	6102	1.794 ug/L	95
16) Methylene chloride	2.53	84	2857	1.446 ug/L	97
25) Chloroform	4.42	83	19836	5.744 ug/L	95
36) Methylcyclohexane	6.11	83	10488	4.085 ug/L #	21
40) 1,2-Dichloropropane	6.12	63	4940	2.990 ug/L #	86
59) 1,2,3-Trichloropropane	11.29	75	4891	3.592 ug/L	89

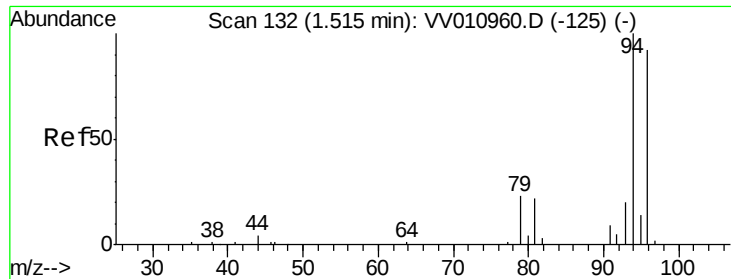
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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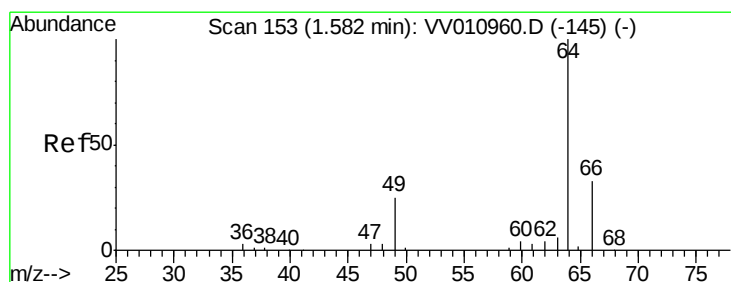
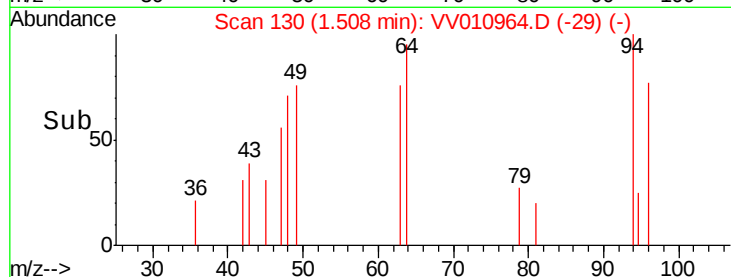
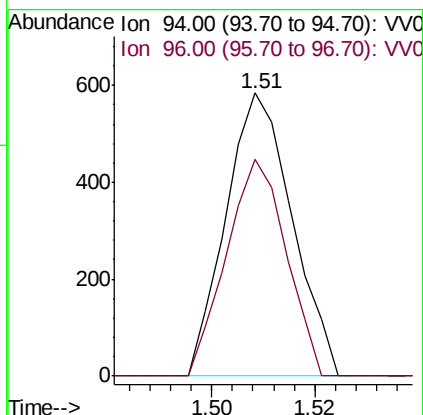
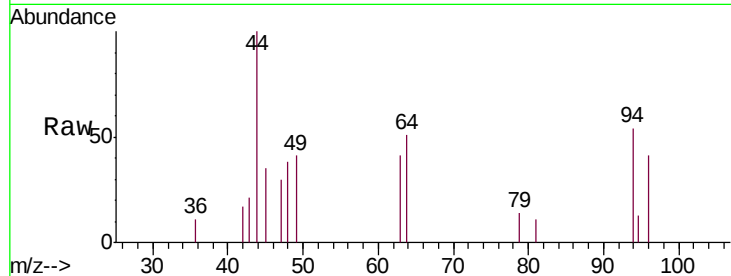




#6
Bromomethane
Concen: 0.963 ug/L
RT: 1.51 min Scan# 130
Delta R.T. -0.01 min
Lab File: VV010964.D
Acq: 20 May 2019 18:10

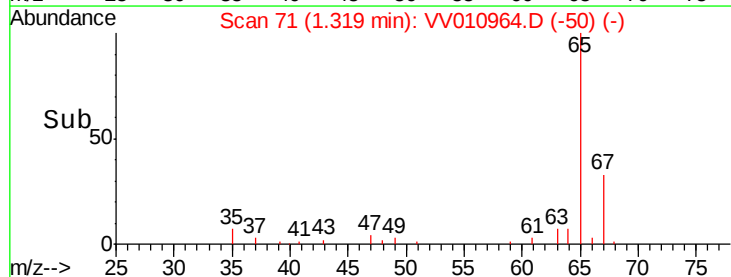
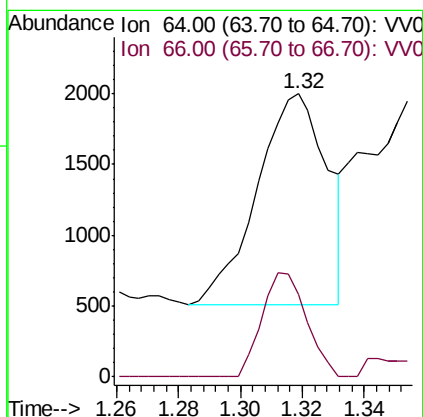
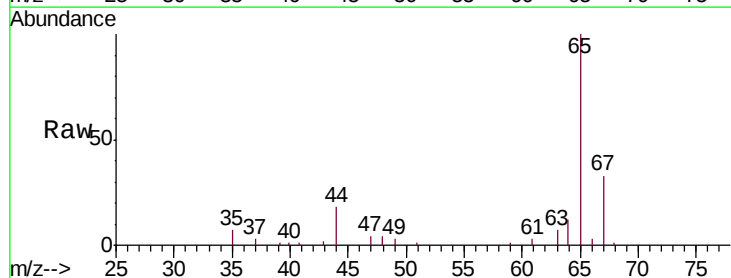
Instrument :
MSVOA_V
ClientSampleId :
BFHB4

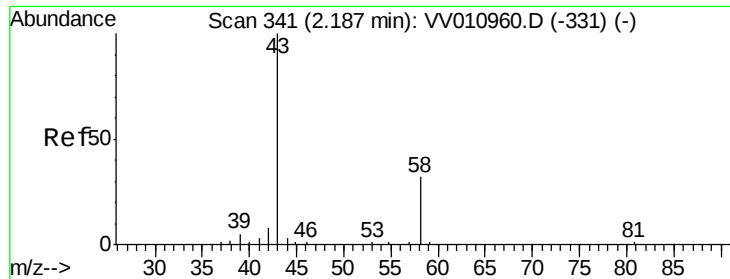
Tgt Ion: 94 Resp: 519
Ion Ratio Lower Upper
94 100
96 69.0 9.3 177.7



#8
Chloroethane
Concen: 3.027 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.26 min
Lab File: VV010964.D
Acq: 20 May 2019 18:10

Tgt Ion: 64 Resp: 2342
Ion Ratio Lower Upper
64 100
66 29.0 20.4 37.8





#13

Acetone

Concen: 6.695 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010964.D

Acq: 20 May 2019 18:10

Instrument :

MSVOA_V

ClientSampleId :

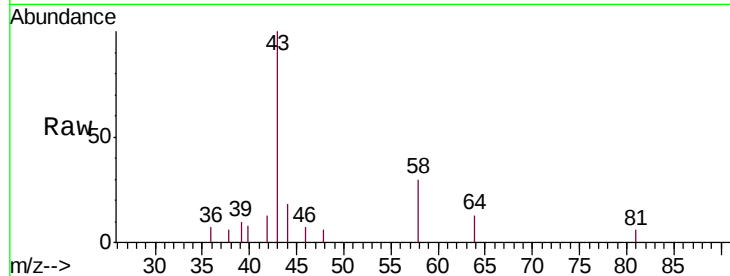
BFHB4

Tgt Ion: 43 Resp: 2924

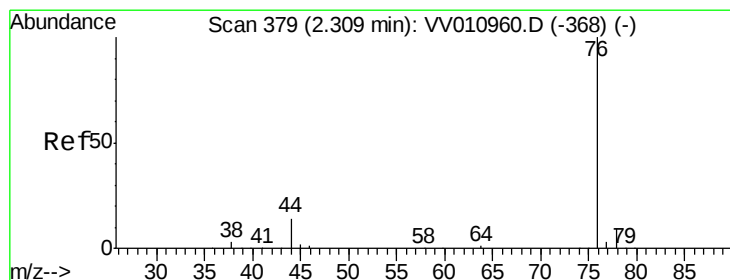
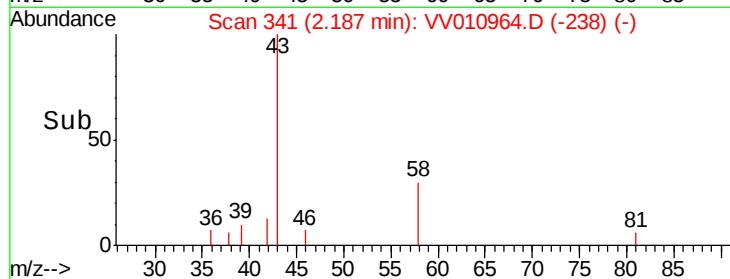
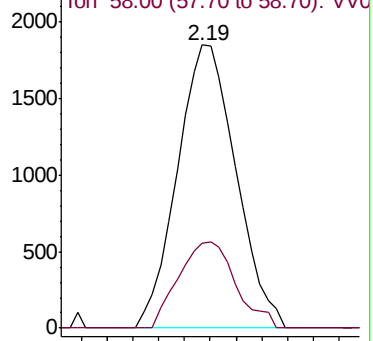
Ion Ratio Lower Upper

43 100

58 28.9 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV010960.D (-331) (-)



#14

Carbon disulfide

Concen: 1.794 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV010964.D

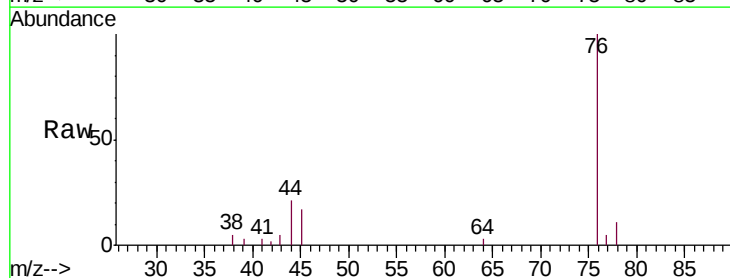
Acq: 20 May 2019 18:10

Tgt Ion: 76 Resp: 6102

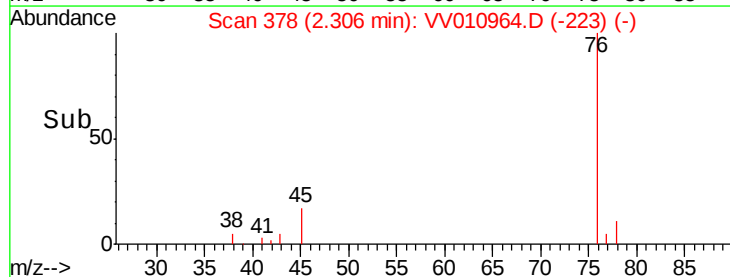
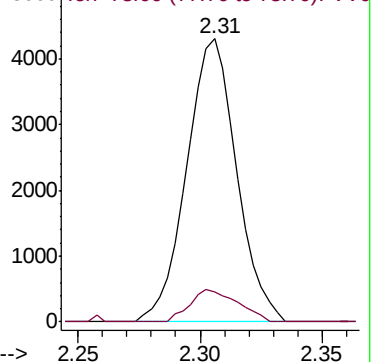
Ion Ratio Lower Upper

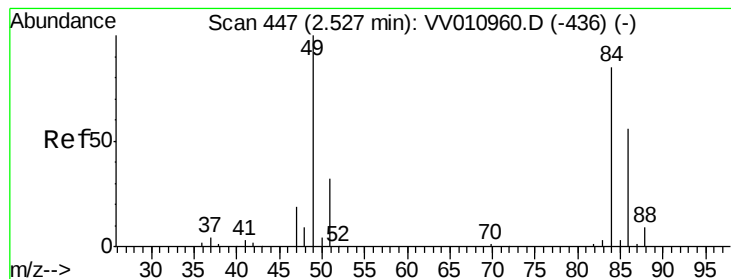
76 100

78 10.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV010960.D (-368) (-)





#16

Methylene chloride

Concen: 1.446 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV010964.D

Acq: 20 May 2019 18:10

Instrument :

MSVOA_V

ClientSampleId :

BFHB4

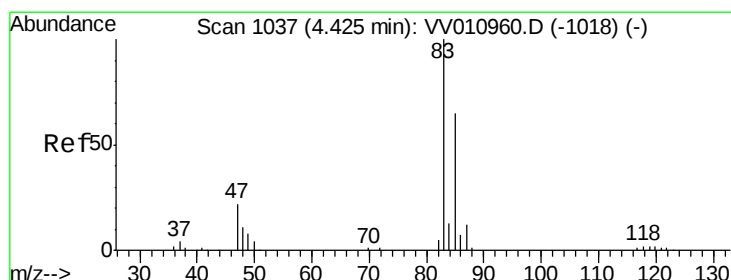
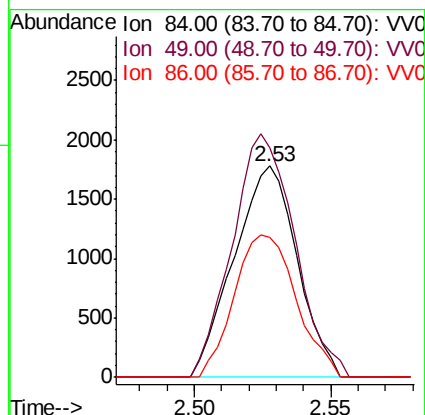
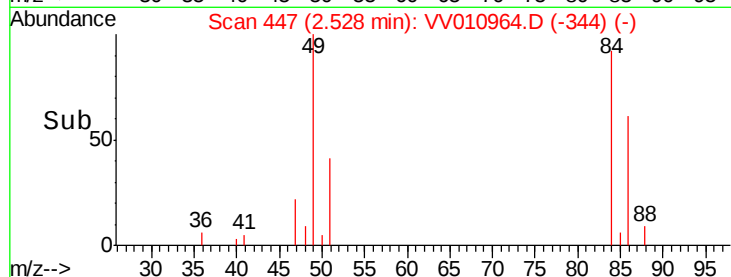
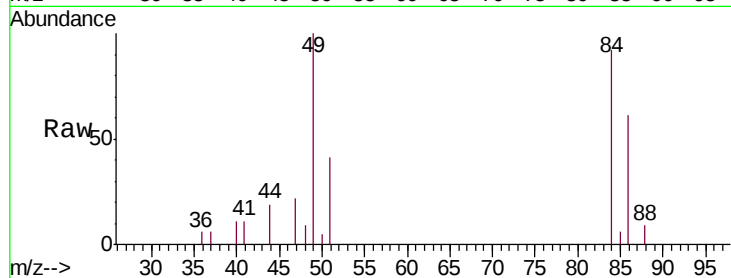
Tgt Ion: 84 Resp: 2857

Ion Ratio Lower Upper

84 100

49 108.5 77.4 143.8

86 66.4 44.0 81.6



#25

Chloroform

Concen: 5.744 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV010964.D

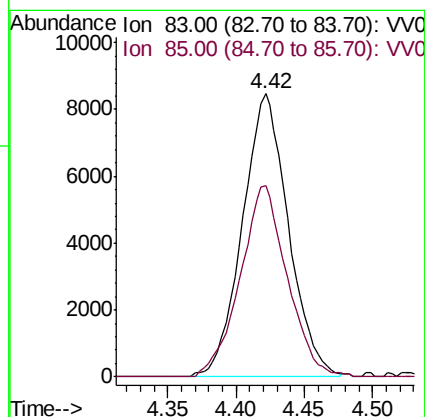
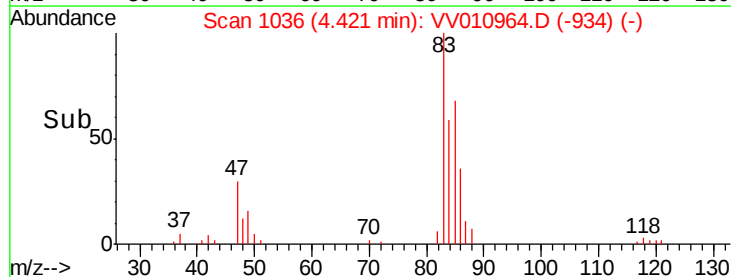
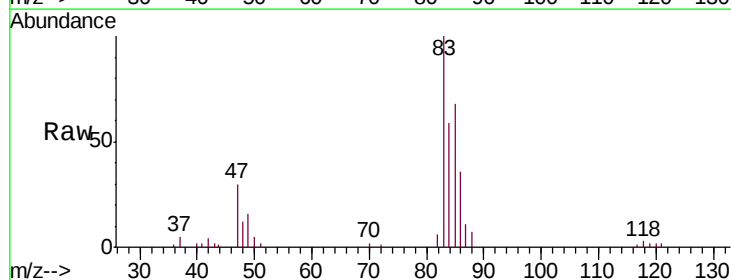
Acq: 20 May 2019 18:10

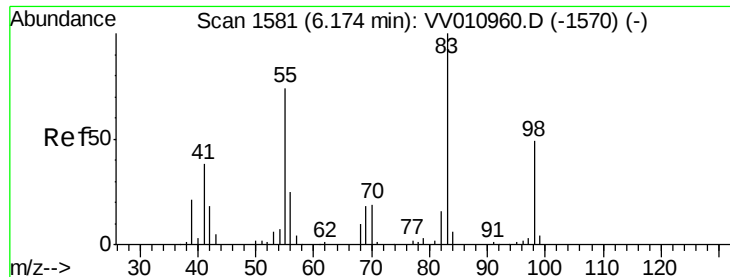
Tgt Ion: 83 Resp: 19836

Ion Ratio Lower Upper

83 100

85 69.0 45.6 84.8

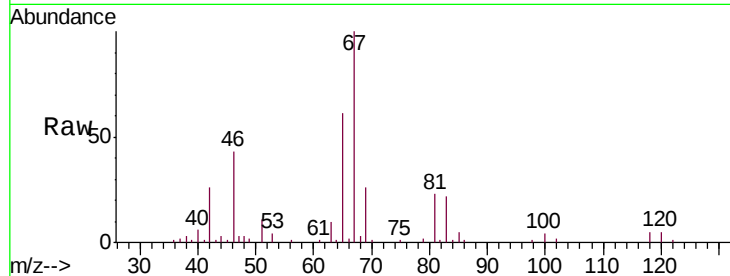




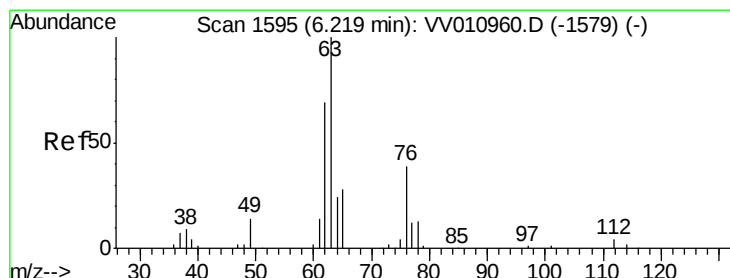
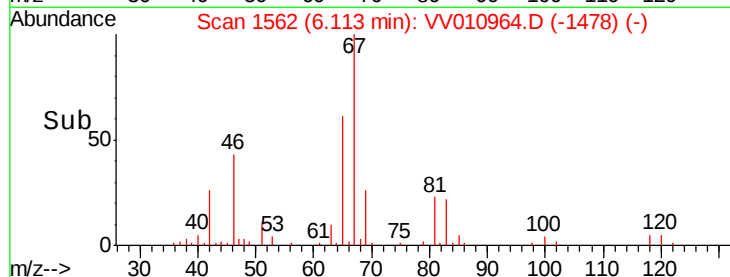
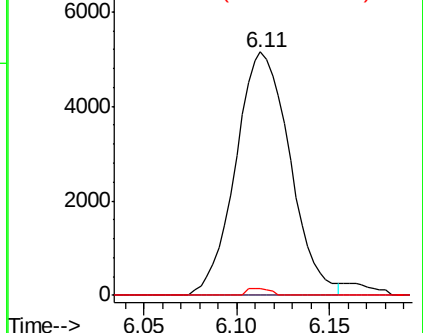
#36
Methylcyclohexane
Concen: 4.085 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV010964.D
Acq: 20 May 2019 18:10

Instrument :
MSVOA_V
ClientSampleId :
BFHB4

Tgt Ion: 83 Resp: 10488
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.4#
98 1.2 36.2 54.4#

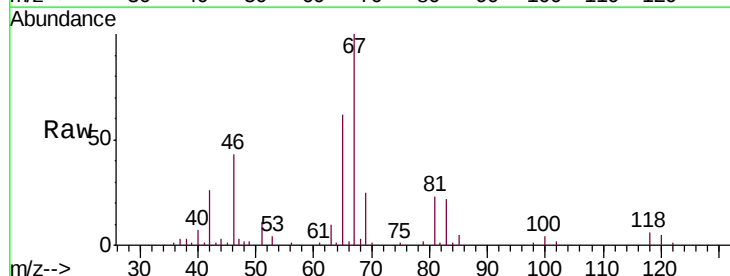


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

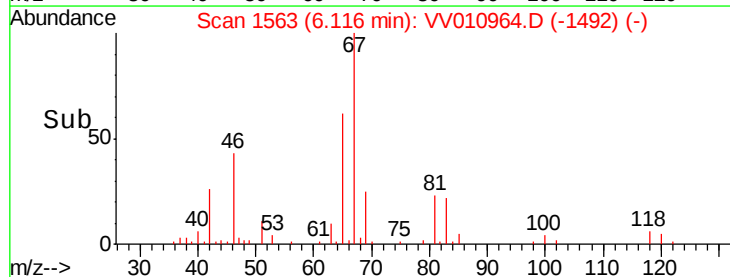
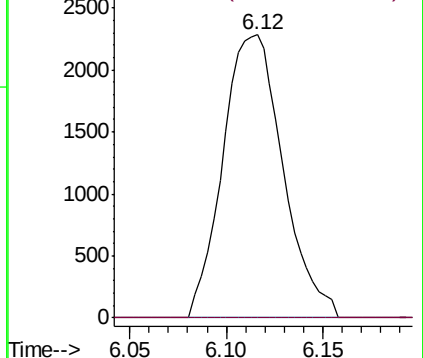


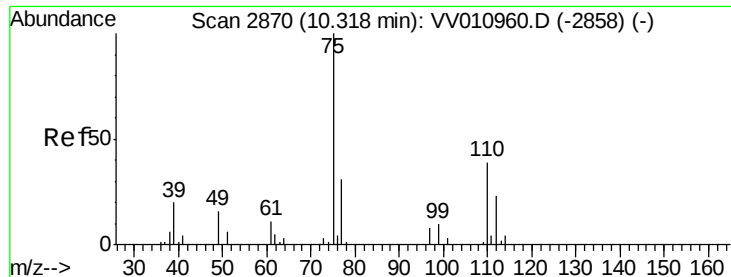
#40
1,2-Dichloropropane
Concen: 2.990 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV010964.D
Acq: 20 May 2019 18:10

Tgt Ion: 63 Resp: 4940
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#59

1,2,3-Trichloropropane

Concen: 3.592 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV010964.D

Acq: 20 May 2019 18:10

Instrument :

MSVOA_V

ClientSampleId :

BFHB4

Tgt Ion: 75 Resp: 4891

Ion Ratio Lower Upper

75 100

77 38.0 25.4 38.2

