

Data File : VV010974.D
Acq On : 20 May 2019 22:50
Operator : SY/MD
Sample : K2846-17
Misc : 3.14G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFHC8

Quant Time: May 21 04:08:13 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	107107	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	97056	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	32147	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20663	16.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.68%
7) Chloroethane-d5	1.57	69	17230	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.36%
10) 1,1-Dichloroethene-d2	2.12	63	31389	13.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.48%
20) 2-Butanone-d5	3.94	46	23979	56.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.82%
24) Chloroform-d	4.40	84	62569	22.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.08	65	38607	23.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.44%
29) Benzene-d6	5.10	84	127376	24.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.16%
33) 1,2-Dichloropropane-d6	6.12	67	44281	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.20%
37) Toluene-d8	7.36	98	104632	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.96%
38) trans-1,3-Dichloropropene-	7.66	79	11435	16.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	66.16%
39) 2-Hexanone-d5	8.13	63	17238	54.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	40597	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	31938	24.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.88%

Target Compounds

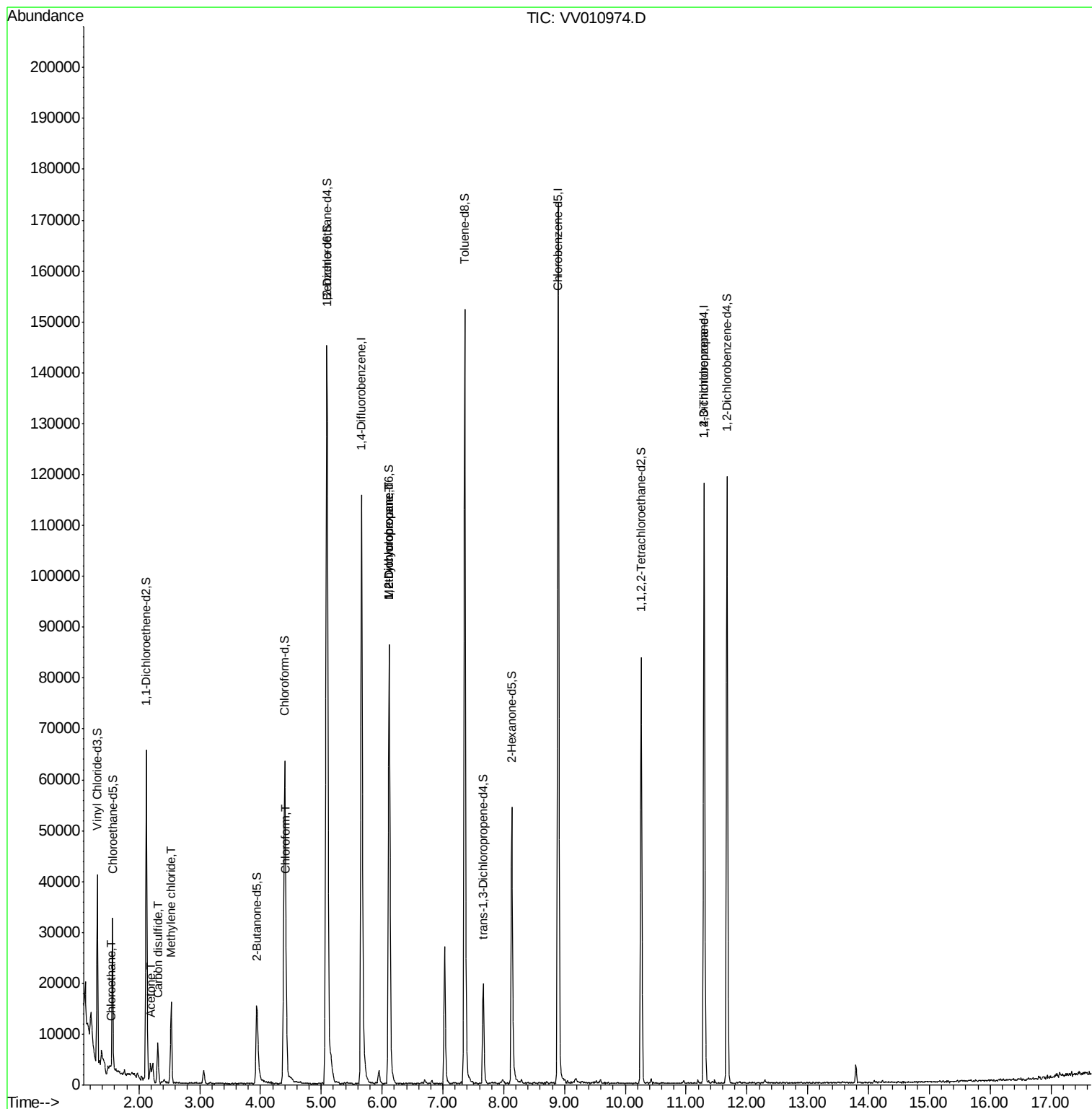
					Qvalue
8) Chloroethane	1.53	64	1310	1.820 ug/L #	46
13) Acetone	2.19	43	2880	7.088 ug/L	92
14) Carbon disulfide	2.31	76	6820	2.155 ug/L	99
16) Methylene chloride	2.53	84	5948	3.236 ug/L	89
25) Chloroform	4.43	83	4812	1.498 ug/L	87
36) Methylcyclohexane	6.12	83	10225	4.474 ug/L #	21
40) 1,2-Dichloropropane	6.12	63	4839	3.291 ug/L #	86
59) 1,2,3-Trichloropropane	11.30	75	4095	3.379 ug/L	96

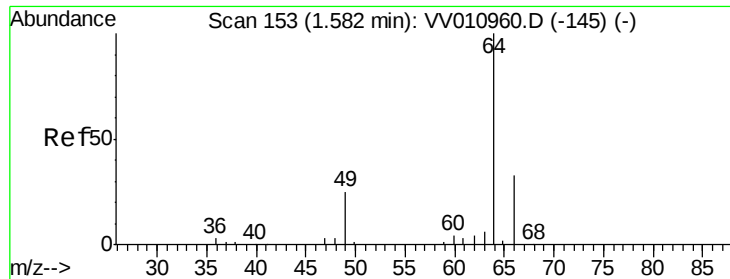
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 1.820 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.05 min

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Instrument :

MSVOA_V

ClientSampleId :

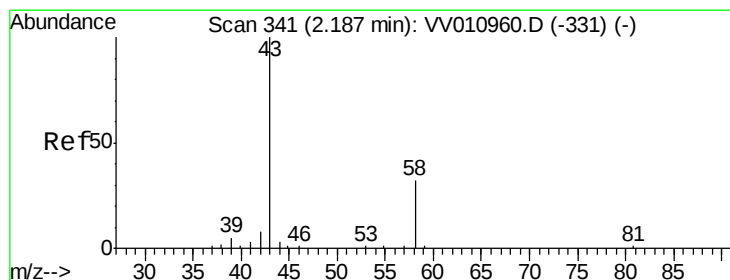
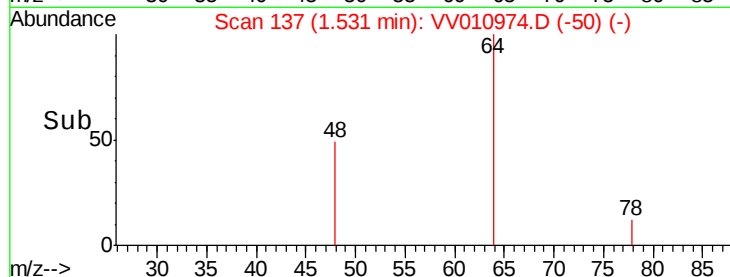
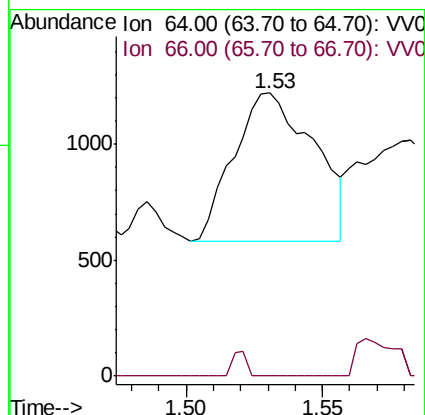
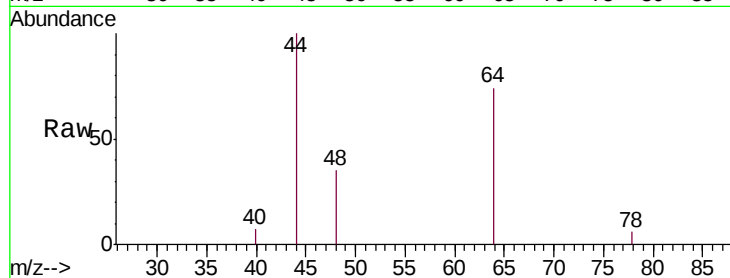
BFHC8

Tgt Ion: 64 Resp: 1310

Ion Ratio Lower Upper

64 100

66 0.0 20.4 37.8#



#13

Acetone

Concen: 7.088 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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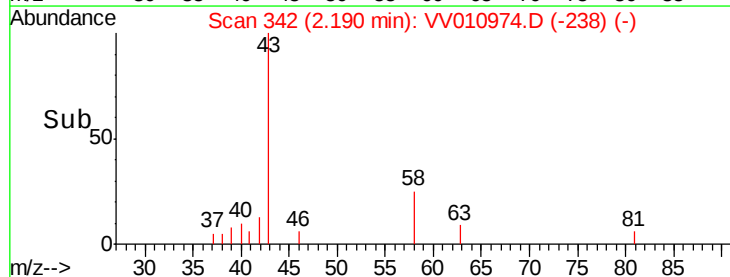
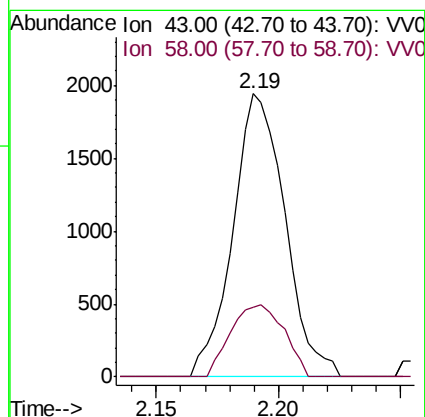
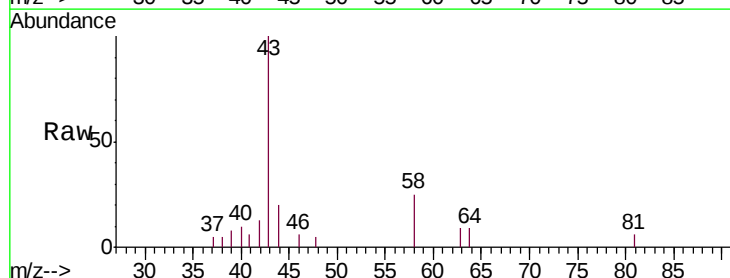
Acq: 20 May 2019 22:50

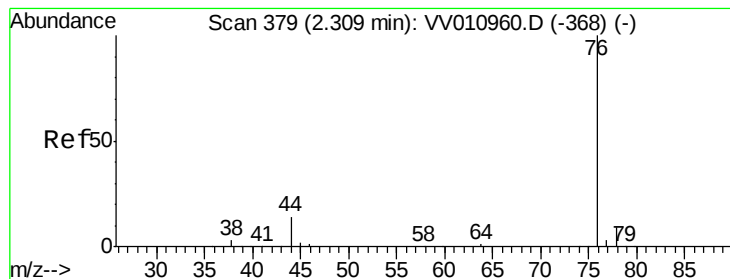
Tgt Ion: 43 Resp: 2880

Ion Ratio Lower Upper

43 100

58 26.3 0.0 60.8





#14

Carbon disulfide

Concen: 2.155 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

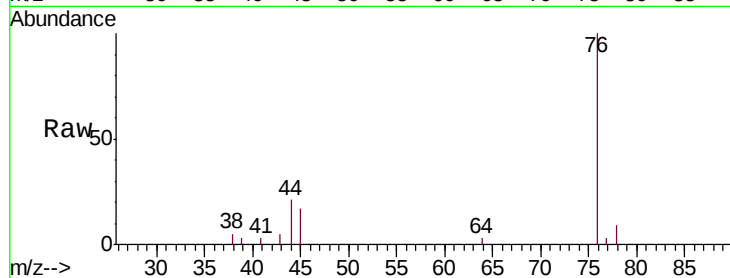
BFHC8

Tgt Ion: 76 Resp: 6820

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



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

Ion 78.00 (77.70 to 78.70): VV010960.D (-368) (-)

2.31

5000

4000

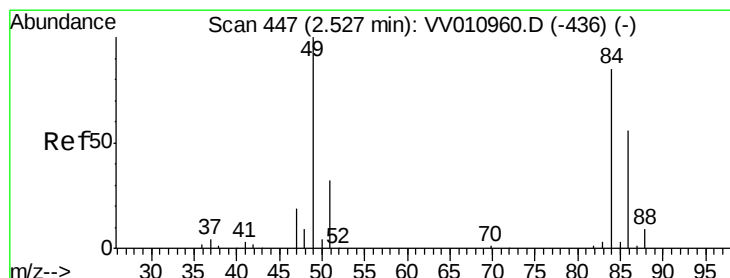
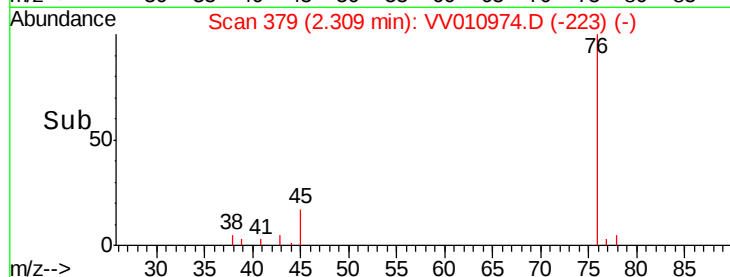
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#16

Methylene chloride

Concen: 3.236 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV010974.D

Acq: 20 May 2019 22:50

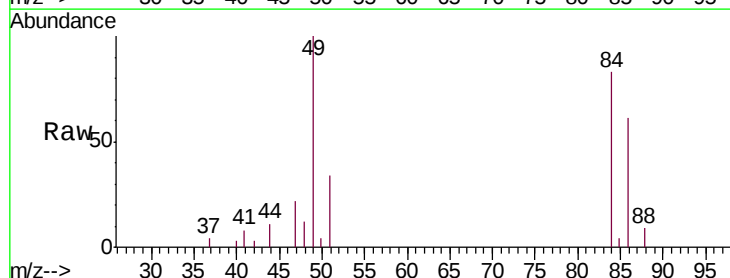
Tgt Ion: 84 Resp: 5948

Ion Ratio Lower Upper

84 100

49 120.4 77.4 143.8

86 73.0 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV010960.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV010960.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV010960.D (-436) (-)

2.53

6000

5000

4000

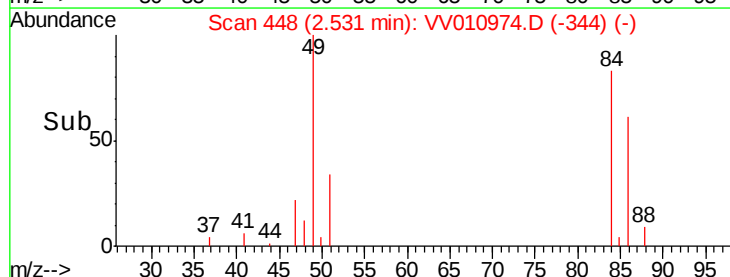
3000

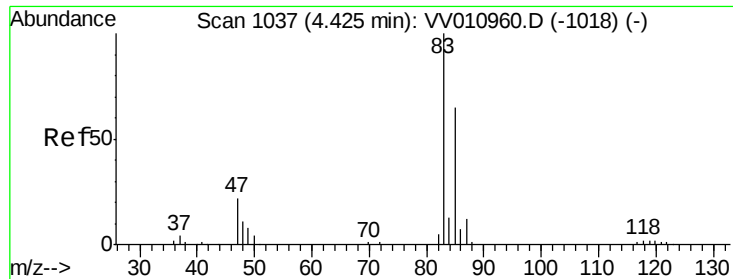
2000

1000

0

Time--> 2.50 2.55





#25

Chloroform

Concen: 1.498 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010974.D

Acq: 20 May 2019 22:50

Instrument :

MSVOA_V

ClientSampleId :

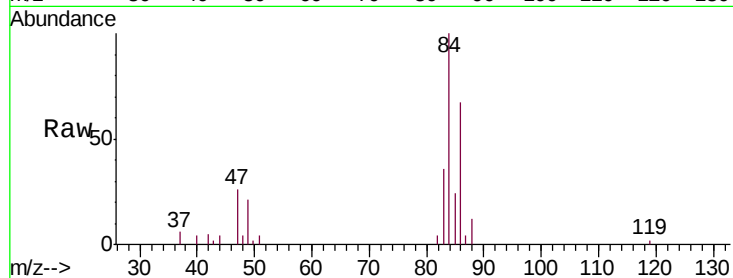
BFHC8

Tgt Ion: 83 Resp: 4812

Ion Ratio Lower Upper

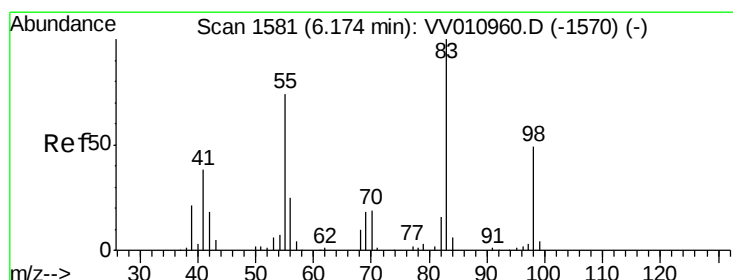
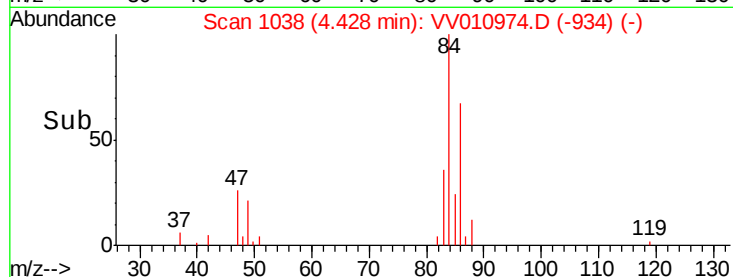
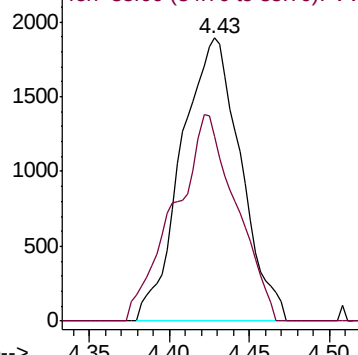
83 100

85 55.0 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#36

Methylcyclohexane

Concen: 4.474 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV010974.D

Acq: 20 May 2019 22:50

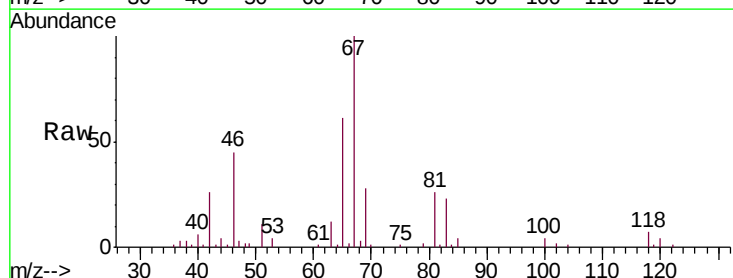
Tgt Ion: 83 Resp: 10225

Ion Ratio Lower Upper

83 100

55 0.0 57.0 85.4#

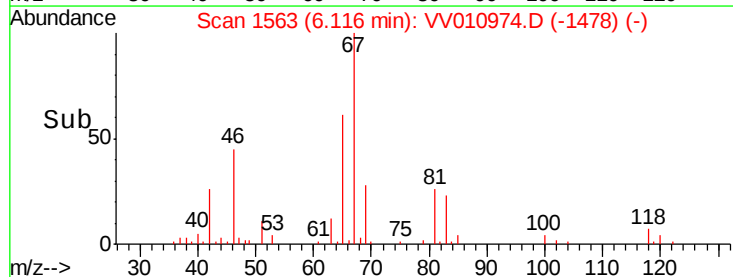
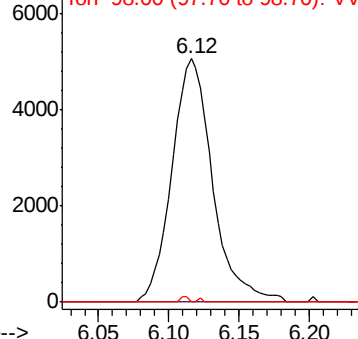
98 0.4 36.2 54.4#

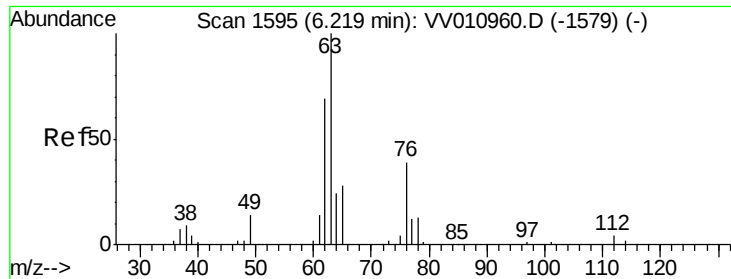


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

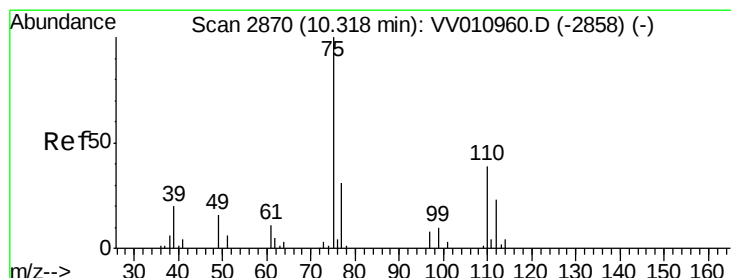
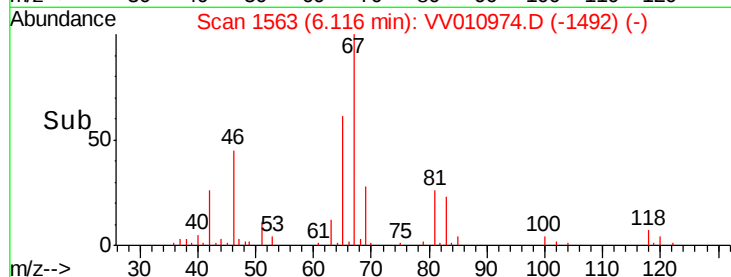
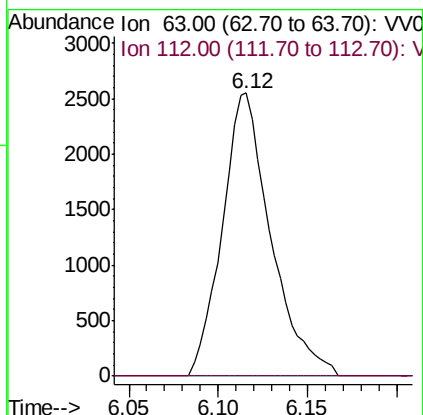
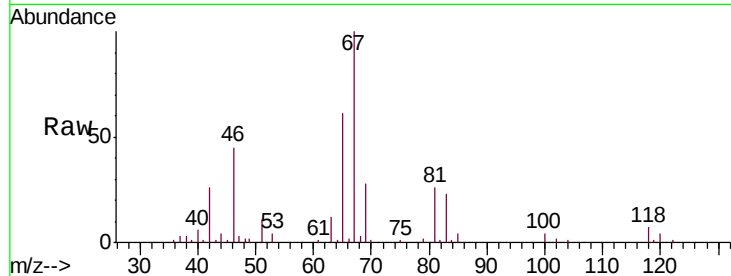




#40
 1,2-Dichloropropane
 Concen: 3.291 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV010974.D
 Acq: 20 May 2019 22:50

Instrument :
 MSVOA_V
 ClientSampleId :
 BFHC8

Tgt Ion: 63 Resp: 4839
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#59
 1,2,3-Trichloropropane
 Concen: 3.379 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV010974.D
 Acq: 20 May 2019 22:50

Tgt Ion: 75 Resp: 4095
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.4 38.2

