

Data File : VV010082.D
Acq On : 03 Apr 2019 02:19
Operator : SY/MD
Sample : K2148-20
Misc : 5.61G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5H0

Quant Time: Apr 03 06:52:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 06:44:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	209077	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	208988	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86455	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42193	15.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.28%
7) Chloroethane-d5	1.57	69	62565	18.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.00%
10) 1,1-Dichloroethene-d2	2.13	63	92003	13.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.12%
20) 2-Butanone-d5	3.96	46	2712	3.40	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	6.80%#
24) Chloroform-d	4.40	84	123447	23.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.76%
26) 1,2-Dichloroethane-d4	5.08	65	79547	26.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.96%
29) Benzene-d6	5.10	84	246424	22.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.96%
33) 1,2-Dichloropropane-d6	6.12	67	81605	25.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.04%
37) Toluene-d8	7.36	98	219754	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.20%
38) trans-1,3-Dichloropropene-	7.67	79	14218	10.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	41.60%
39) 2-Hexanone-d5	8.14	63	3037	4.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	9.46%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	73467	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	80657	23.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.80%

Target Compounds

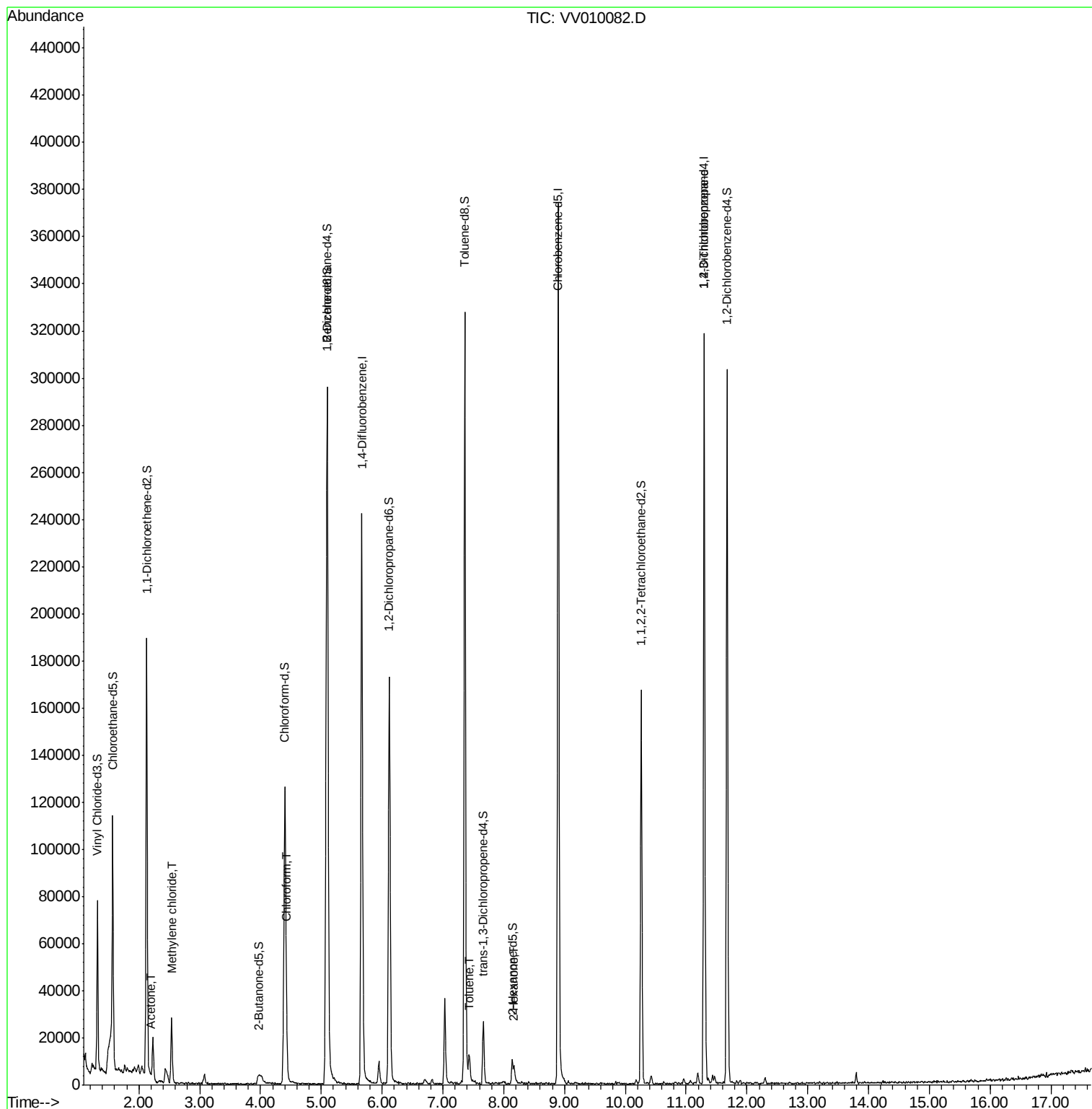
					Qvalue
13) Acetone	2.20	43	2774	3.523 ug/L	84
16) Methylene chloride	2.54	84	10647	2.898 ug/L	95
25) Chloroform	4.43	83	4017	0.845 ug/L #	17
44) Toluene	7.43	91	7625	0.665 ug/L	94
49) 2-Hexanone	8.17	43	3315	2.429 ug/L #	45
59) 1,2,3-Trichloropropane	11.30	75	10496	4.977 ug/L	93

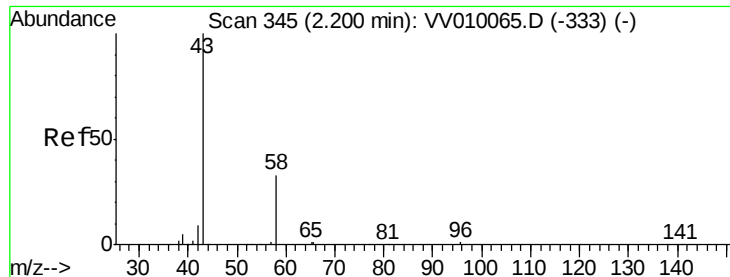
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.523 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

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Acq: 03 Apr 2019 02:19

Instrument :

MSVOA_V

ClientSampleId :

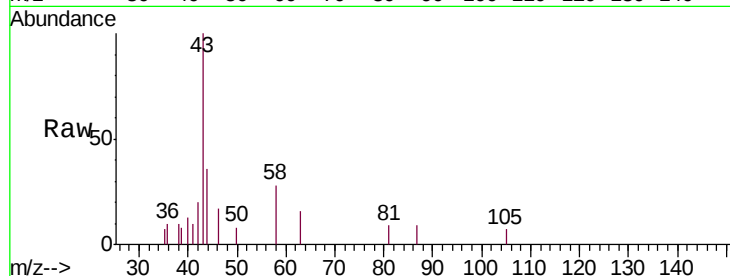
BF5H0

Tgt Ion: 43 Resp: 2774

Ion Ratio Lower Upper

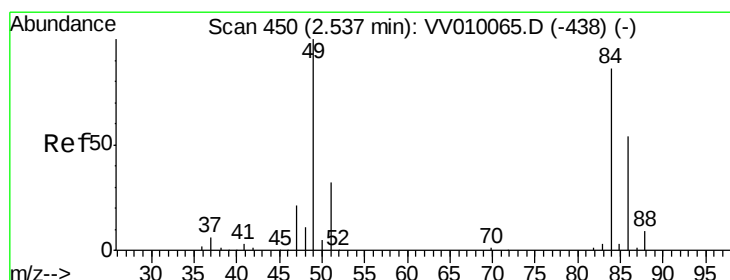
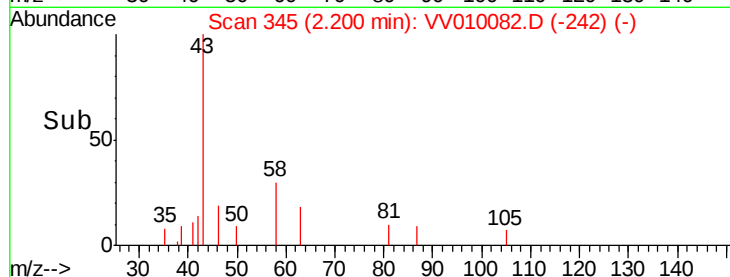
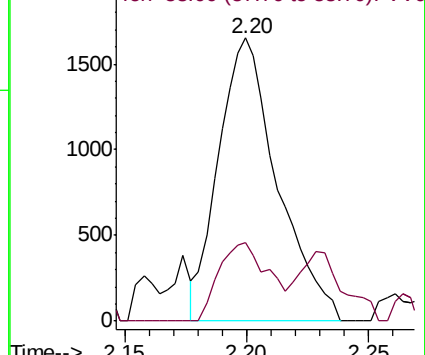
43 100

58 23.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010065.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV010065.D (-333) (-)



#16

Methylene chloride

Concen: 2.898 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV010082.D

Acq: 03 Apr 2019 02:19

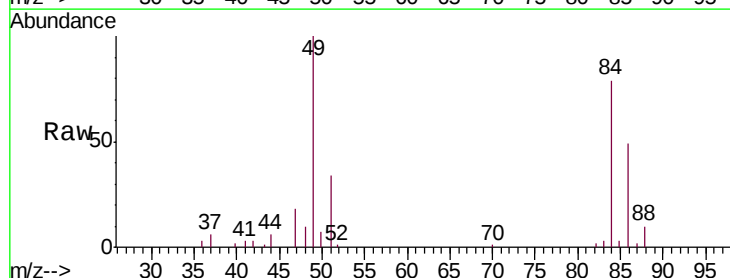
Tgt Ion: 84 Resp: 10647

Ion Ratio Lower Upper

84 100

49 126.9 84.3 156.5

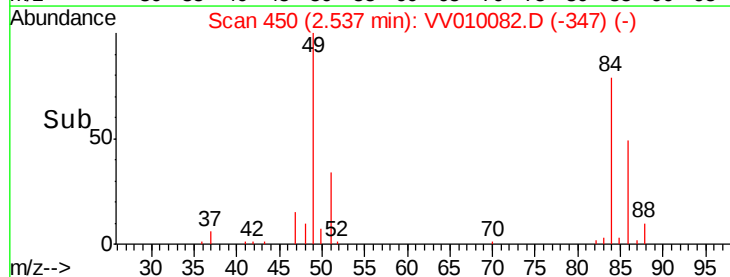
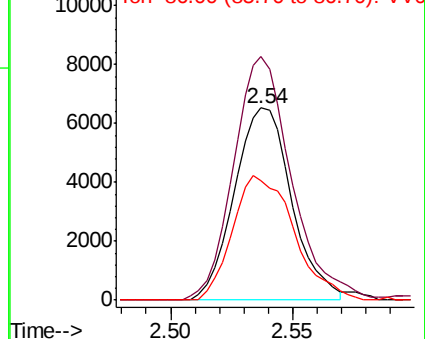
86 62.1 45.4 84.2

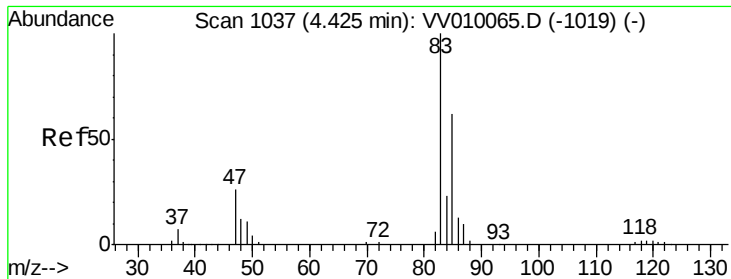


Abundance Ion 84.00 (83.70 to 84.70): VV010065.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV010065.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV010065.D (-438) (-)

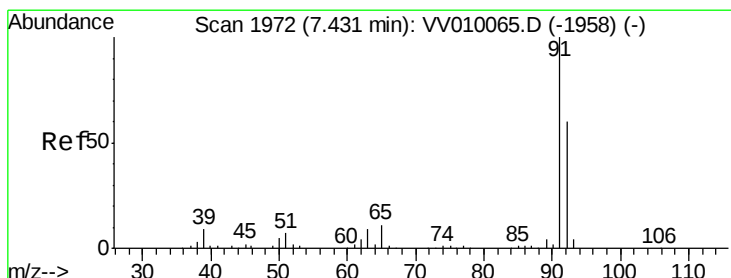
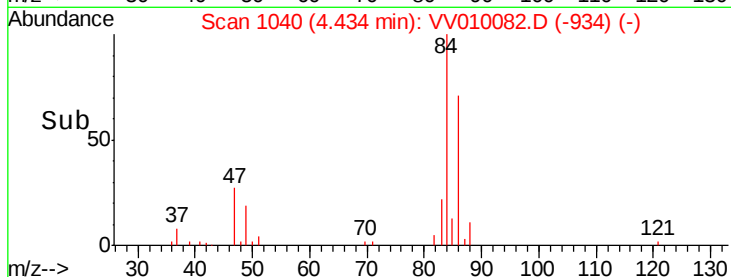
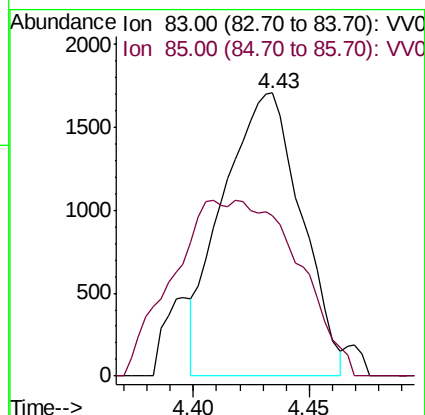
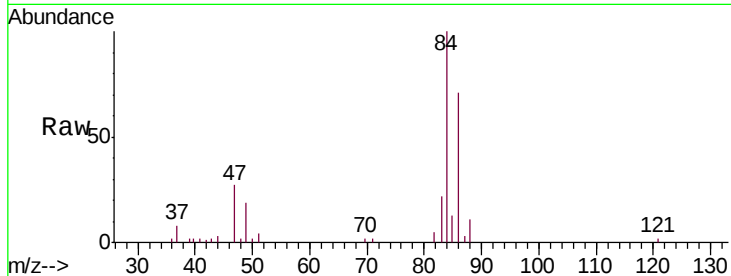




#25
Chloroform
Concen: 0.845 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VV010082.D
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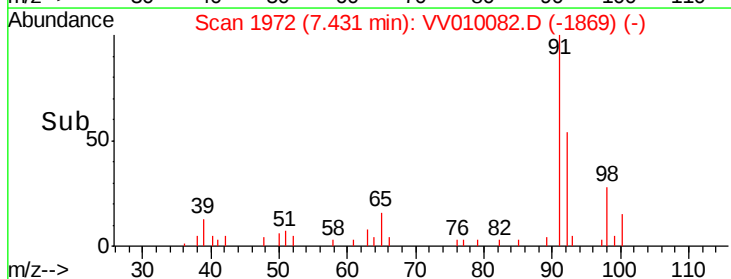
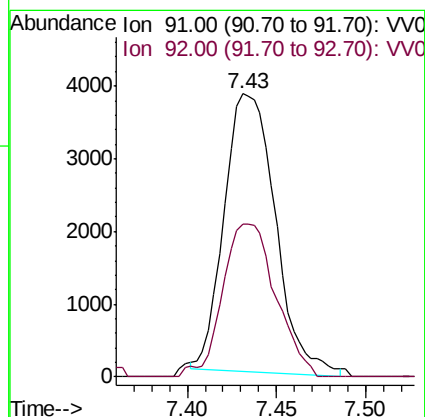
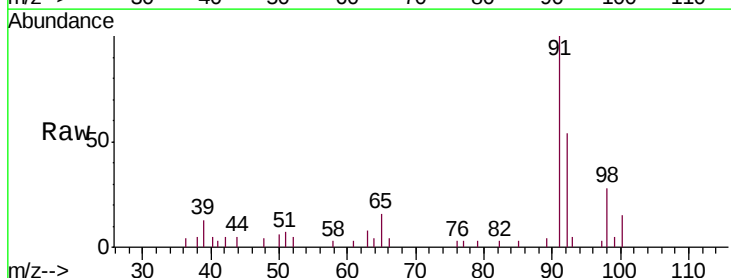
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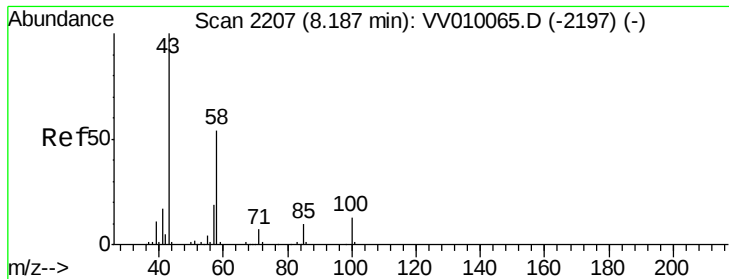
Tgt Ion: 83 Resp: 4017
Ion Ratio Lower Upper
83 100
85 0.0 46.4 86.2#



#44
Toluene
Concen: 0.665 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV010082.D
Acq: 03 Apr 2019 02:19

Tgt Ion: 91 Resp: 7625
Ion Ratio Lower Upper
91 100
92 54.0 41.0 76.2

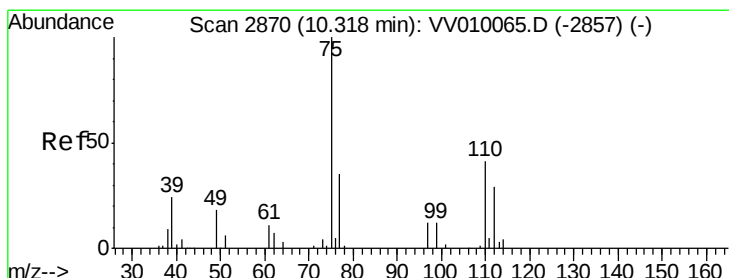
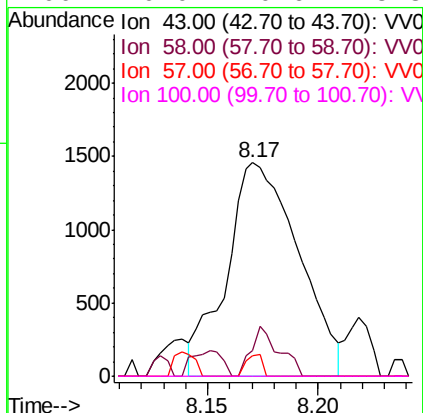
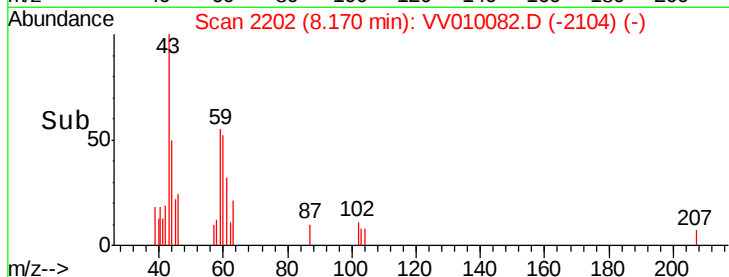
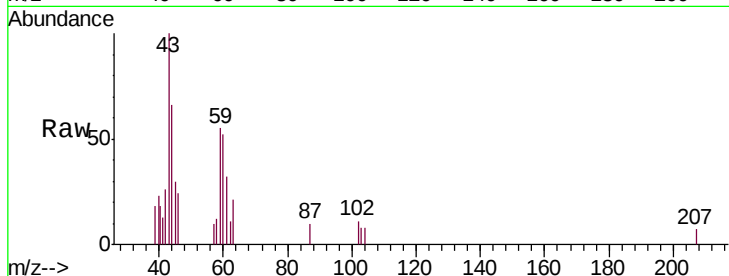




#49
 2-Hexanone
 Concen: 2.429 ug/L
 RT: 8.17 min Scan# 2202
 Delta R.T. -0.02 min
 Lab File: VV010082.D
 Acq: 03 Apr 2019 02:19

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5H0

Tgt Ion: 43 Resp: 3315
 Ion Ratio Lower Upper
 43 100
 58 7.4 44.3 66.5#
 57 2.3 13.8 20.8#
 100 0.0 10.6 15.8#



#59
 1,2,3-Trichloropropane
 Concen: 4.977 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV010082.D
 Acq: 03 Apr 2019 02:19

Tgt Ion: 75 Resp: 10496
 Ion Ratio Lower Upper
 75 100
 77 36.0 25.8 38.8

