

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010104.D
 Acq On : 03 Apr 2019 21:07
 Operator : SY/MD
 Sample : K2148-16
 Misc : 3.76G/10mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5J1RE

Quant Time: Apr 04 06:07:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	162635	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	120212	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	24608	25.00	ug/L	0.00

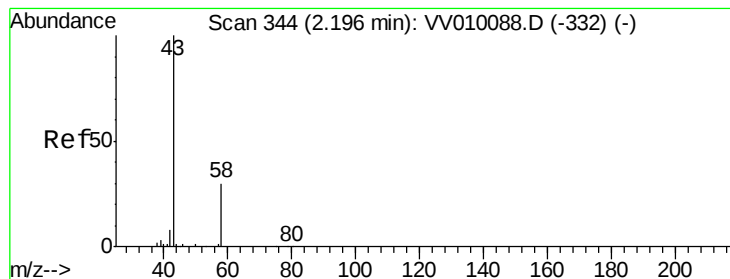
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42336	19.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.76%
7) Chloroethane-d5	1.56	69	44851	16.58	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.32%
10) 1,1-Dichloroethene-d2	2.12	63	86433	15.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.96%
20) 2-Butanone-d5	3.94	46	12174	19.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	39.30%
24) Chloroform-d	4.40	84	89089	21.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.96%
26) 1,2-Dichloroethane-d4	5.08	65	59849	26.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.44%
29) Benzene-d6	5.10	84	186500	29.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	119.68%
33) 1,2-Dichloropropane-d6	6.12	67	60363	32.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	131.24%#
37) Toluene-d8	7.36	98	148951	24.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.20%
38) trans-1,3-Dichloropropene-	7.66	79	11983	15.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	60.96%
39) 2-Hexanone-d5	8.13	63	7722	20.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	41.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	36529	20.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.52%
61) 1,2-Dichlorobenzene-d4	11.68	152	21640	22.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.32%

Target Compounds

					Qvalue
13) Acetone	2.18	43	1971	3.218 ug/L	77
15) Methyl Acetate	2.46	43	668	0.682 ug/L #	50
16) Methylene chloride	2.53	84	29322	10.262 ug/L	97
21) 2-Butanone	4.01	43	1746	2.603 ug/L #	49
25) Chloroform	4.42	83	11224	3.035 ug/L	88
47) Tetrachloroethene	8.02	164	907	0.640 ug/L #	64
49) 2-Hexanone	8.17	43	4703	5.991 ug/L #	43
50) Dibromochloromethane	8.02	129	923	0.625 ug/L #	12
59) 1,2,3-Trichloropropane	11.30	75	3289	2.712 ug/L	89

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



#13

Acetone

Concen: 3.218 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.02 min

Lab File: VV010104.D

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Instrument :

MSVOA_V

ClientSampleId :

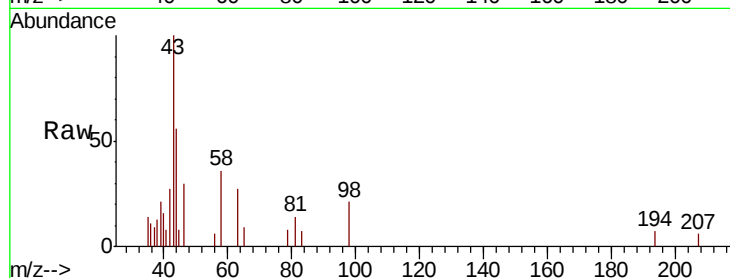
BF5J1RE

Tgt Ion: 43 Resp: 1971

Ion Ratio Lower Upper

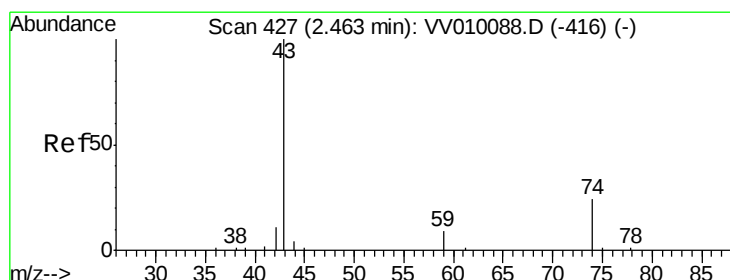
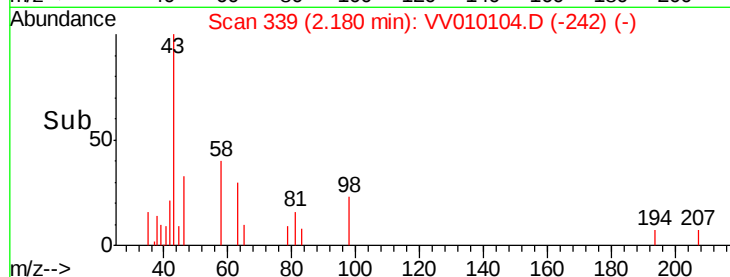
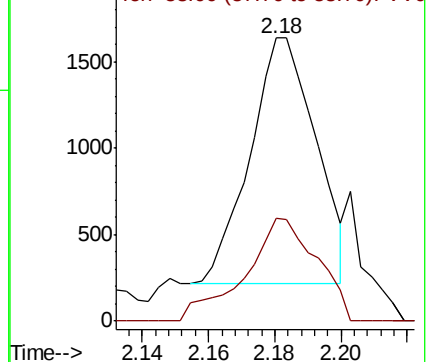
43 100

58 45.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#15

Methyl Acetate

Concen: 0.682 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV010104.D

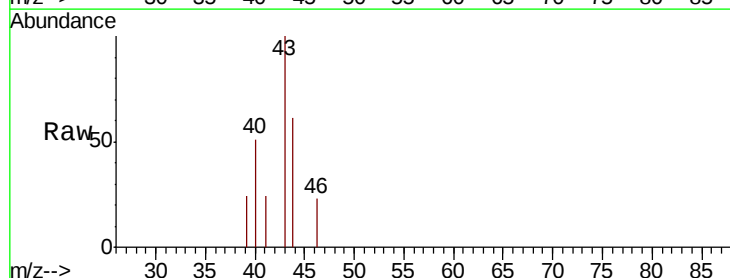
Acq: 03 Apr 2019 21:07

Tgt Ion: 43 Resp: 668

Ion Ratio Lower Upper

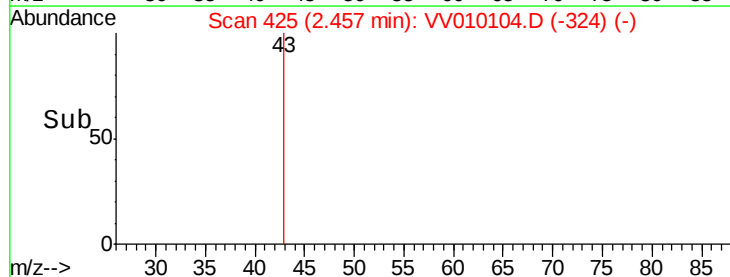
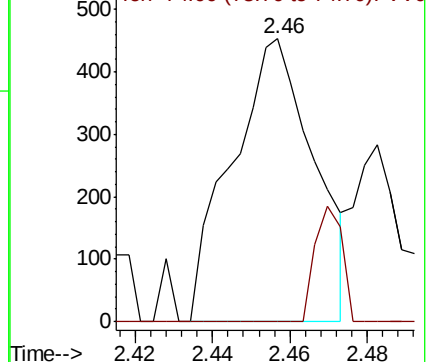
43 100

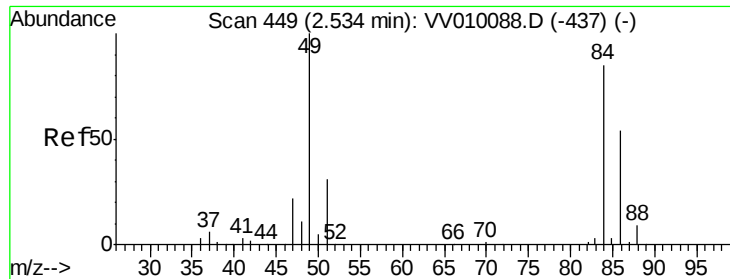
74 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

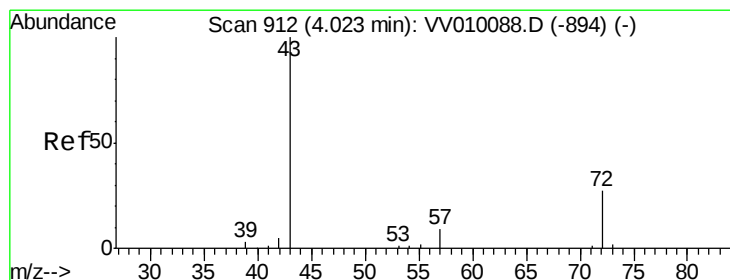
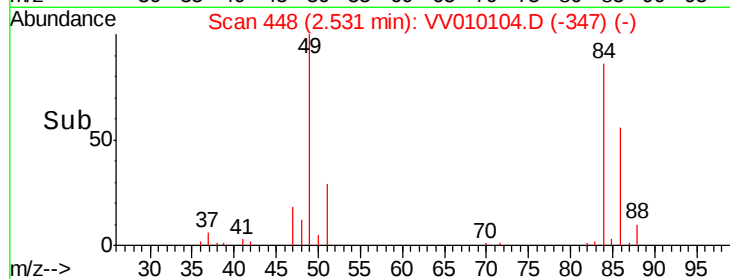
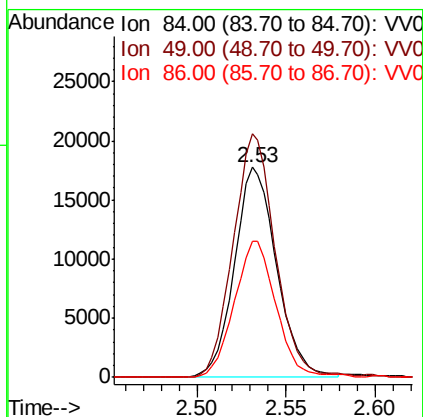
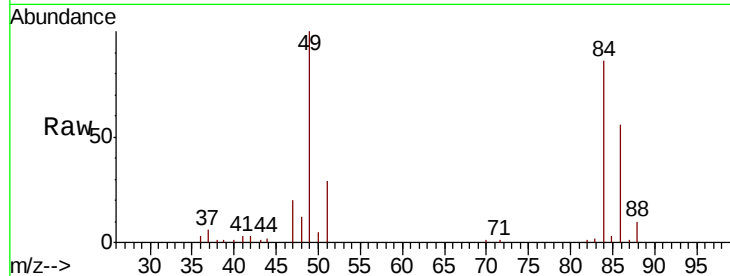




#16
Methylene chloride
Concen: 10.262 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.01 min
Lab File: VV010104.D
Acq: 03 Apr 2019 21:07

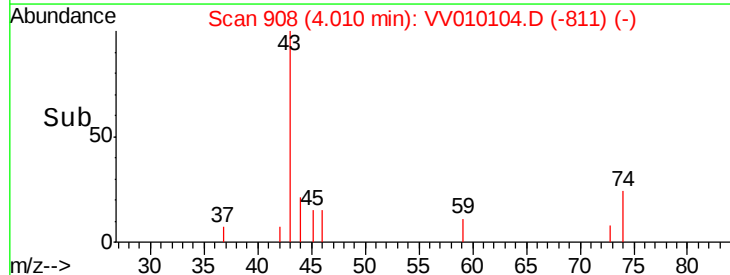
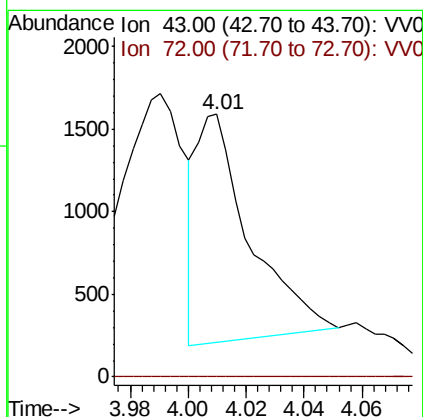
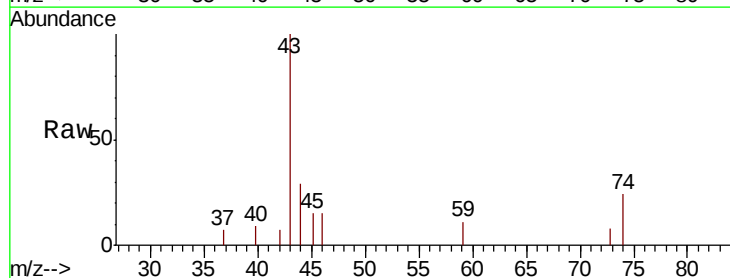
Instrument :
MSVOA_V
ClientSampled :
BF5J1RE

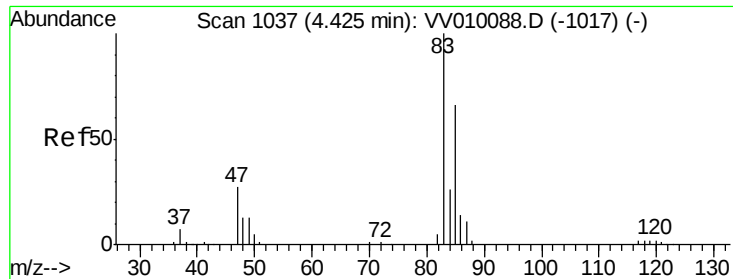
Tgt Ion: 84 Resp: 29322
Ion Ratio Lower Upper
84 100
49 115.9 84.3 156.5
86 64.6 45.4 84.2



#21
2-Butanone
Concen: 2.603 ug/L
RT: 4.01 min Scan# 908
Delta R.T. -0.02 min
Lab File: VV010104.D
Acq: 03 Apr 2019 21:07

Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
72 0.0 12.8 38.4#

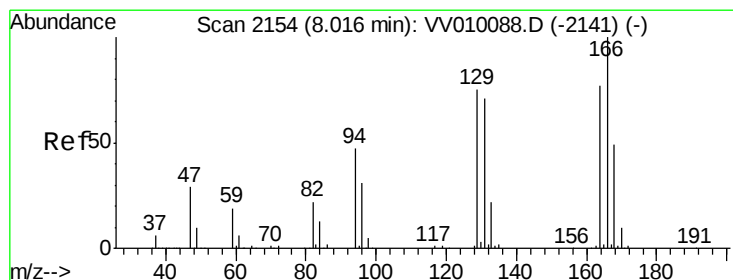
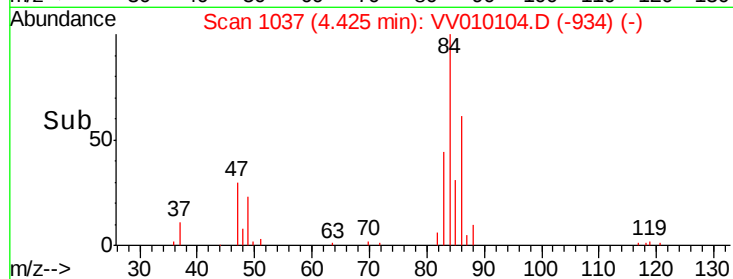
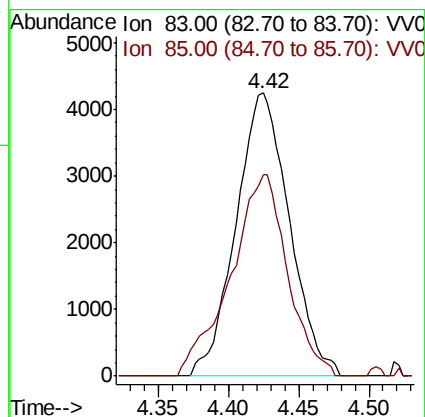
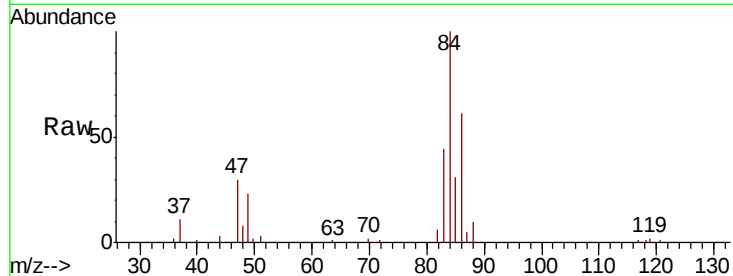




#25
Chloroform
Concen: 3.035 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010104.D
Acq: 03 Apr 2019 21:07

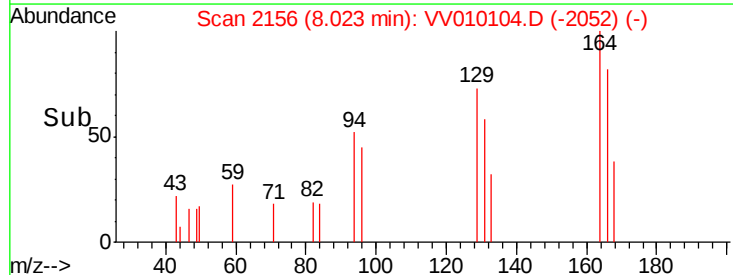
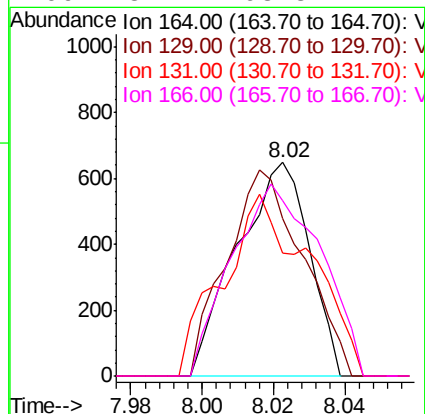
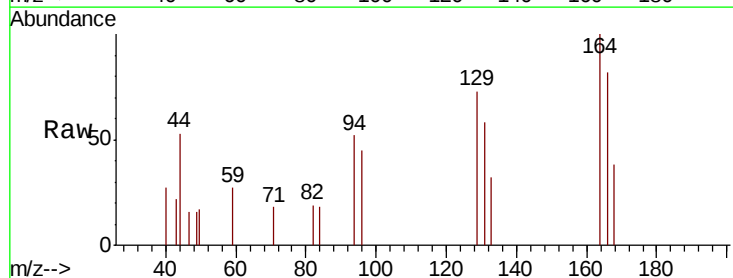
Instrument :
MSVOA_V
ClientSampleId :
BF5J1RE

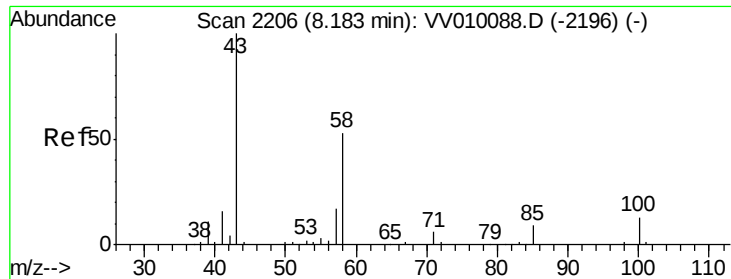
Tgt Ion: 83 Resp: 11224
Ion Ratio Lower Upper
83 100
85 75.8 46.4 86.2



#47
Tetrachloroethene
Concen: 0.640 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV010104.D
Acq: 03 Apr 2019 21:07

Tgt Ion: 164 Resp: 907
Ion Ratio Lower Upper
164 100
129 73.5 67.8 125.8
131 57.6 65.2 121.0#
166 82.1 93.8 174.2#

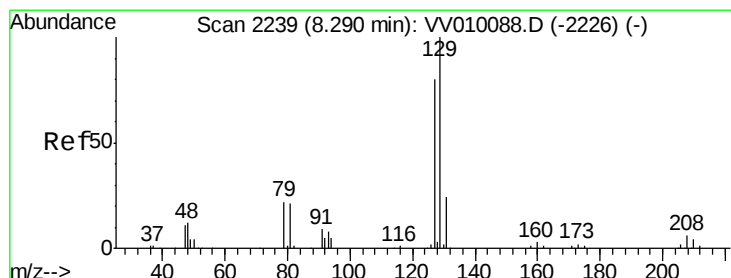
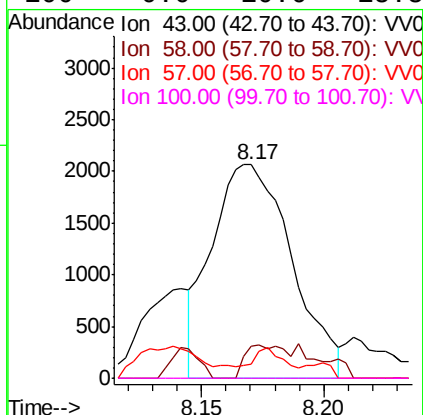
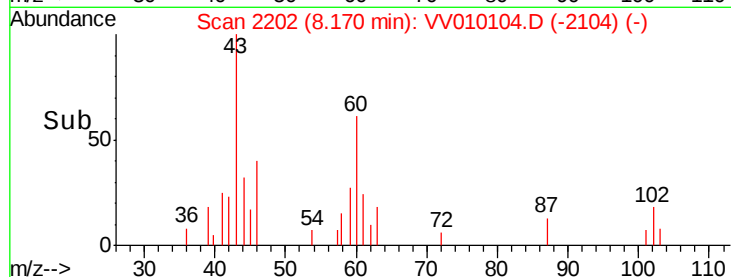
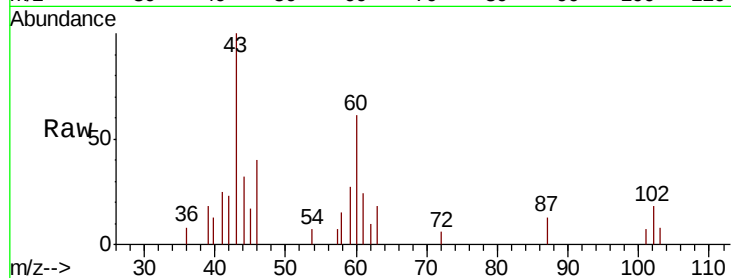




#49
2-Hexanone
Concen: 5.991 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. -0.02 min
Lab File: VV010104.D
Acq: 03 Apr 2019 21:07

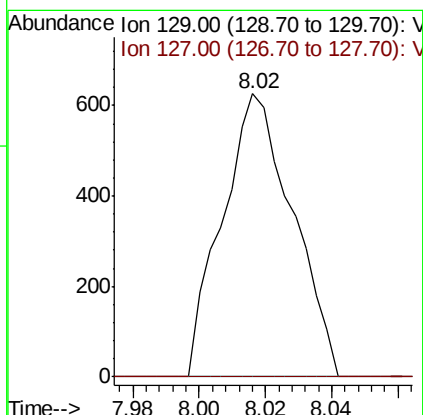
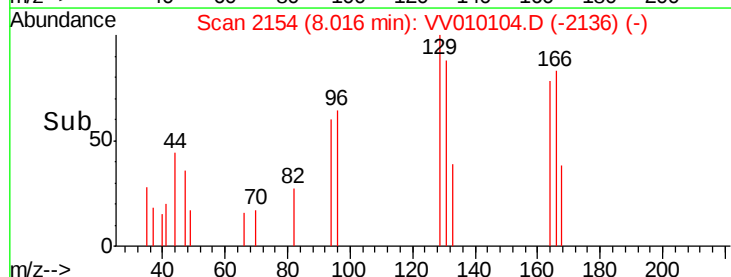
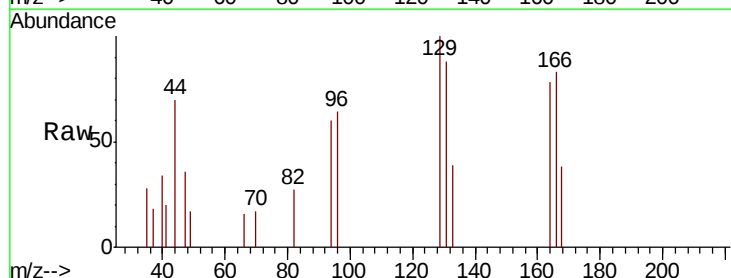
Instrument :
MSVOA_V
ClientSampleId :
BF5J1RE

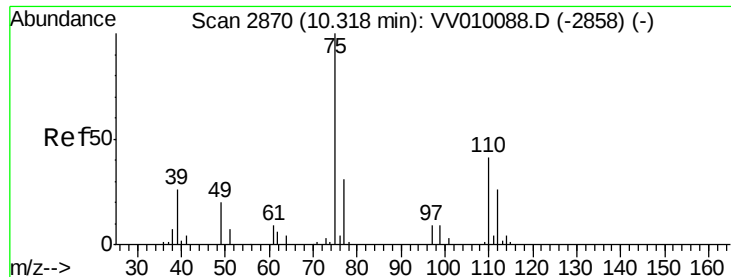
Tgt Ion: 43 Resp: 4703
Ion Ratio Lower Upper
43 100
58 4.6 44.3 66.5#
57 3.5 13.8 20.8#
100 0.0 10.6 15.8#



#50
Dibromochloromethane
Concen: 0.625 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV010104.D
Acq: 03 Apr 2019 21:07

Tgt Ion: 129 Resp: 923
Ion Ratio Lower Upper
129 100
127 0.0 52.1 96.7#





#59

1,2,3-Trichloropropane

Concen: 2.712 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010104.D

Acq: 03 Apr 2019 21:07

Instrument :

MSVOA_V

ClientSampleId :

BF5J1RE

Tgt Ion: 75 Resp: 3289

Ion Ratio Lower Upper

75 100

77 38.7 25.8 38.8

