

Data File : VV010968.D
Acq On : 20 May 2019 20:02
Operator : SY/MD
Sample : K2846-09
Misc : 5.08G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFH90

Quant Time: May 21 04:07:20 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	95526	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	96219	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	36986	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17739	16.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.16%
7) Chloroethane-d5	1.57	69	15207	20.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.48%
10) 1,1-Dichloroethene-d2	2.12	63	28405	13.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.24%
20) 2-Butanone-d5	3.94	46	24712	65.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.52%
24) Chloroform-d	4.40	84	56523	22.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.36%
26) 1,2-Dichloroethane-d4	5.08	65	37057	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.64%
29) Benzene-d6	5.10	84	111600	21.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.00%
33) 1,2-Dichloropropane-d6	6.12	67	41021	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.32%
37) Toluene-d8	7.36	98	94940	19.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.76%
38) trans-1,3-Dichloropropene-	7.66	79	12993	18.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.84%
39) 2-Hexanone-d5	8.13	63	18948	60.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	42441	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	35675	23.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.04%

Target Compounds

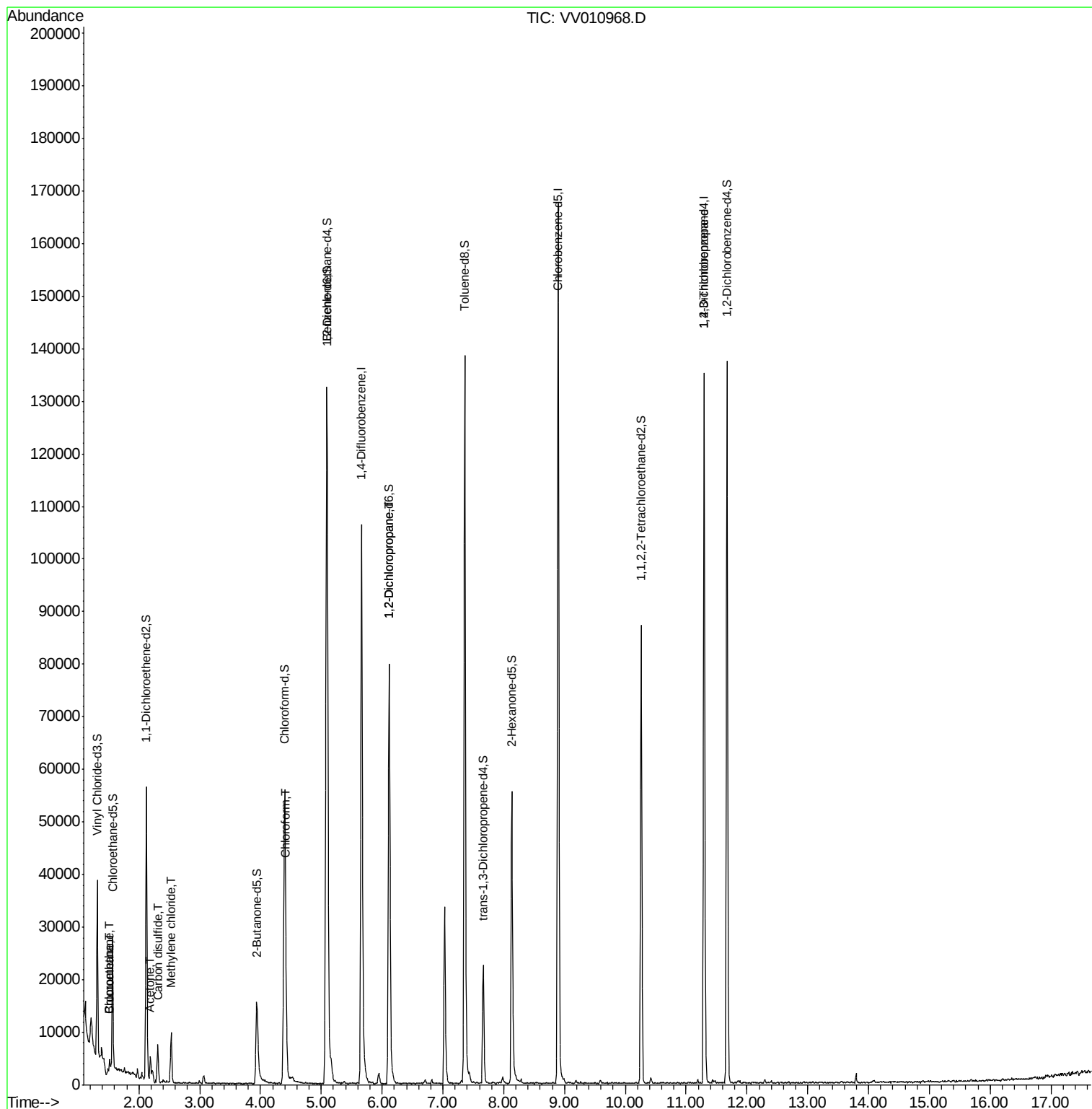
					Qvalue
6) Bromomethane	1.52	94	408	0.912 ug/L	99
8) Chloroethane	1.52	64	1023	1.593 ug/L #	60
13) Acetone	2.19	43	3427	9.457 ug/L	95
14) Carbon disulfide	2.31	76	5964	2.113 ug/L	96
16) Methylene chloride	2.53	84	4079	2.488 ug/L	97
25) Chloroform	4.42	83	3342	1.166 ug/L #	69
40) 1,2-Dichloropropane	6.11	63	4286	2.940 ug/L #	86
59) 1,2,3-Trichloropropane	11.30	75	4506	3.750 ug/L	90

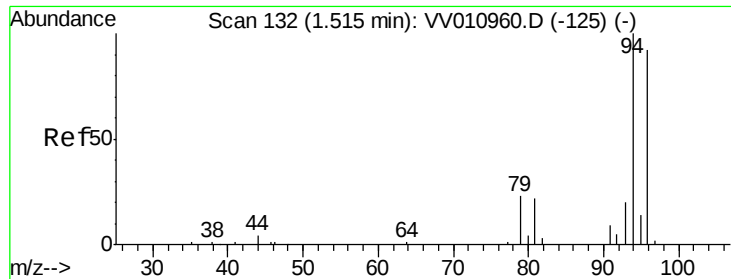
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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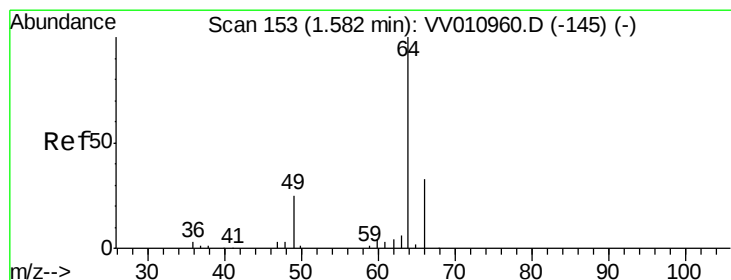
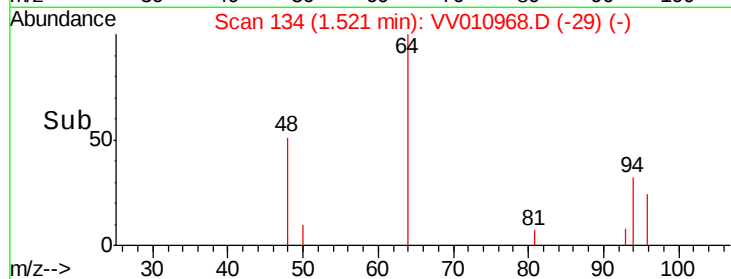
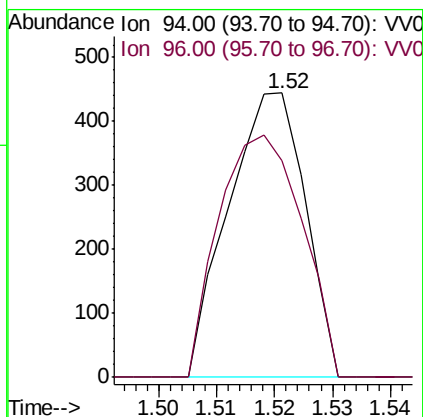
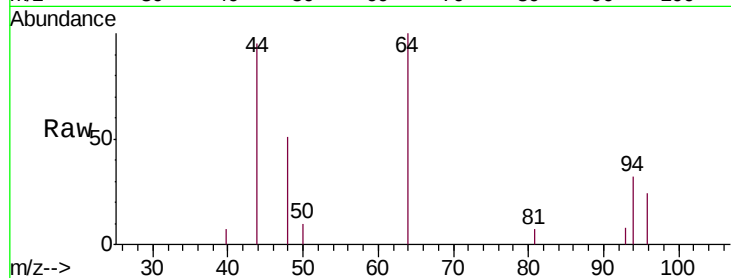




#6
Bromomethane
Concen: 0.912 ug/L
RT: 1.52 min Scan# 134
Delta R.T. 0.01 min
Lab File: VV010968.D
Acq: 20 May 2019 20:02

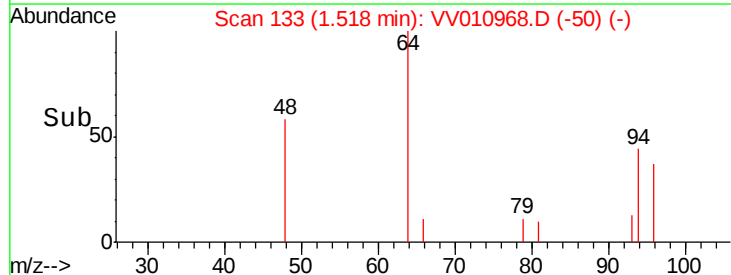
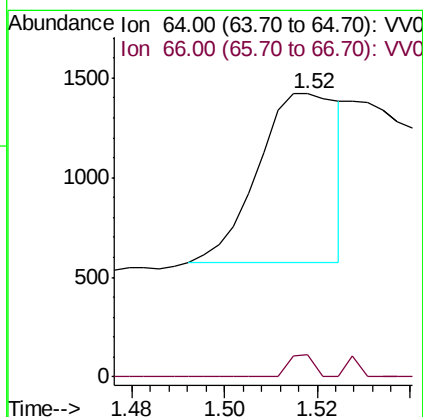
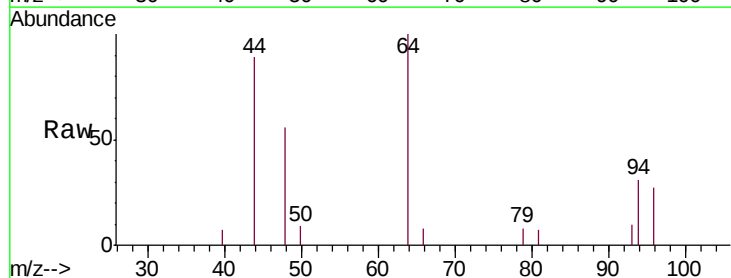
Instrument :
MSVOA_V
ClientSampleId :
BFH90

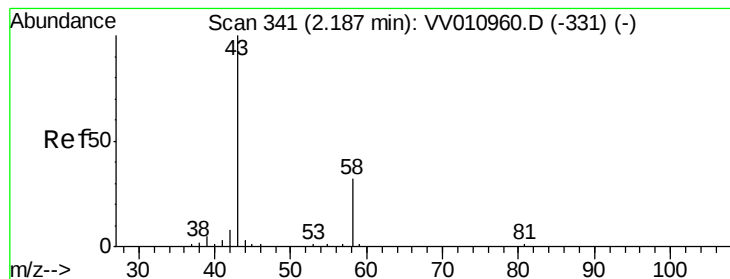
Tgt Ion: 94 Resp: 408
Ion Ratio Lower Upper
94 100
96 92.4 9.3 177.7



#8
Chloroethane
Concen: 1.593 ug/L
RT: 1.52 min Scan# 133
Delta R.T. -0.06 min
Lab File: VV010968.D
Acq: 20 May 2019 20:02

Tgt Ion: 64 Resp: 1023
Ion Ratio Lower Upper
64 100
66 7.8 20.4 37.8#





#13

Acetone

Concen: 9.457 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010968.D

Acq: 20 May 2019 20:02

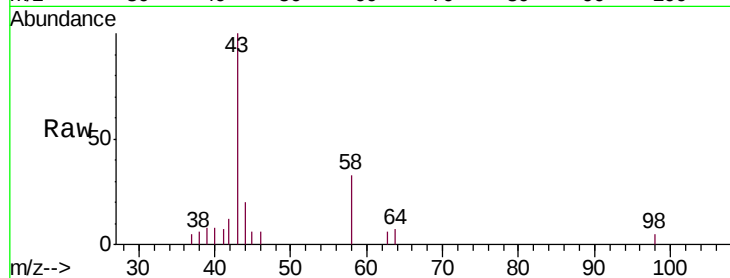
Instrument :
MSVOA_V
ClientSampleId :
BFH90

Tgt Ion: 43 Resp: 3427

Ion Ratio Lower Upper

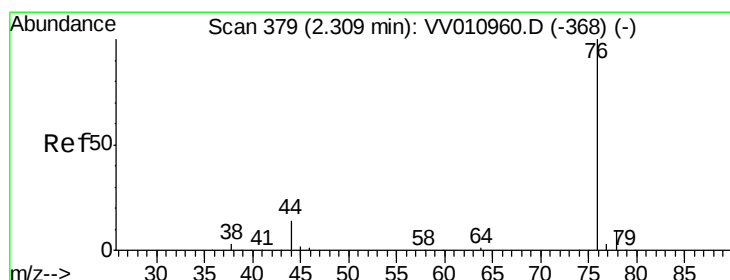
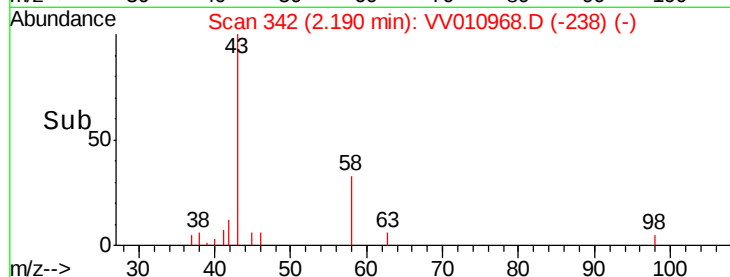
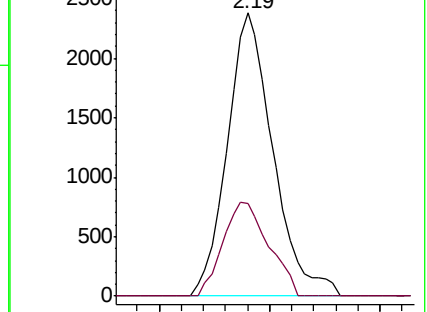
43 100

58 32.9 0.0 60.8



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

Ion 58.00 (57.70 to 58.70): VV010960.D (-331) (-)



#14

Carbon disulfide

Concen: 2.113 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV010968.D

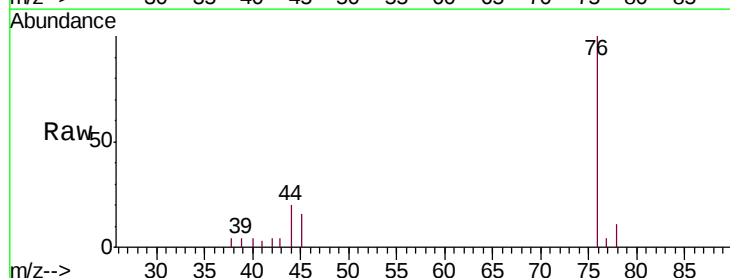
Acq: 20 May 2019 20:02

Tgt Ion: 76 Resp: 5964

Ion Ratio Lower Upper

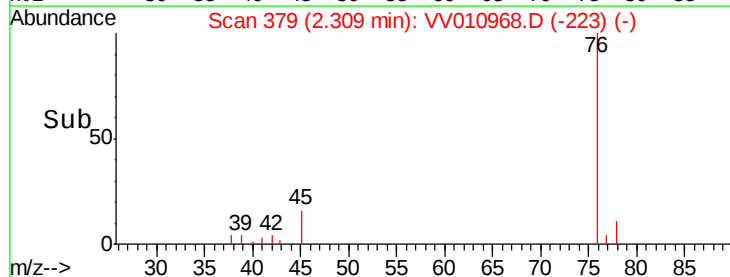
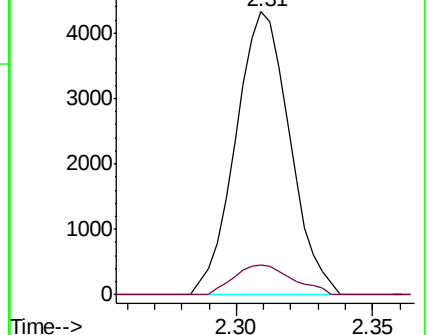
76 100

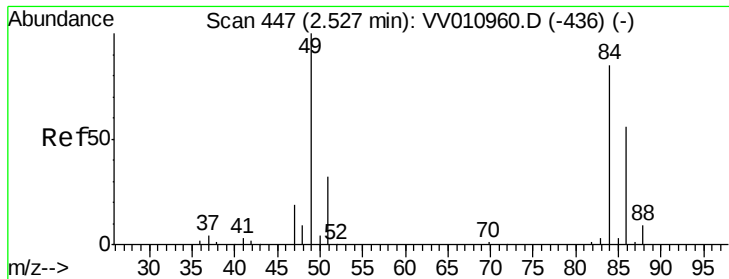
78 10.6 7.2 10.8



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

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

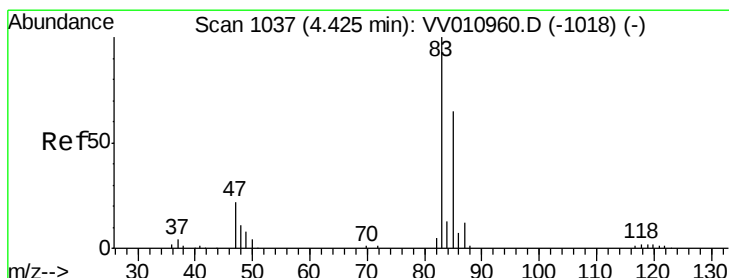
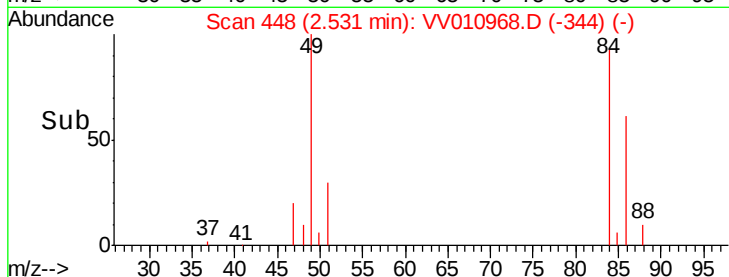
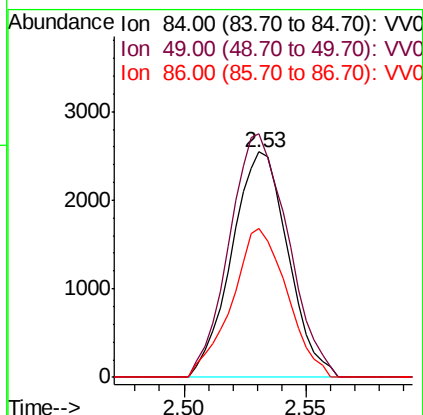
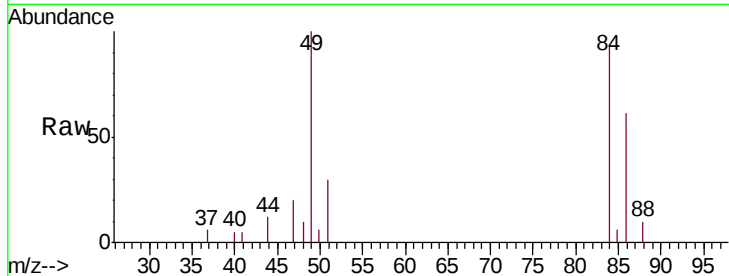




#16
Methylene chloride
Concen: 2.488 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV010968.D
Acq: 20 May 2019 20:02

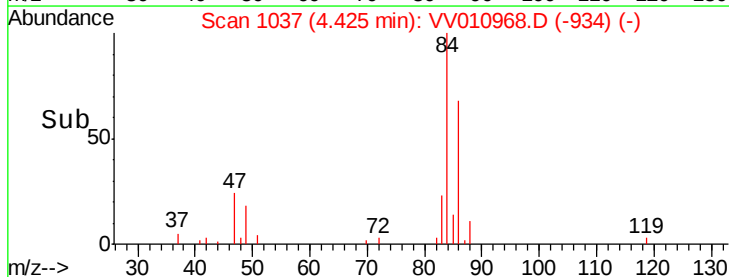
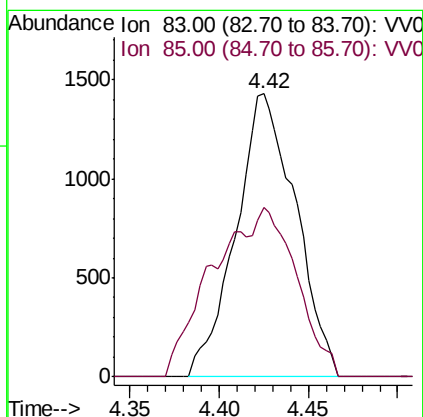
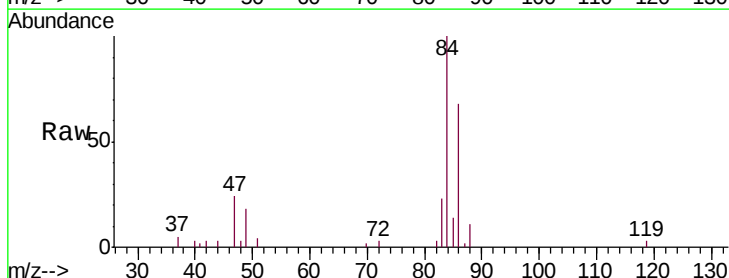
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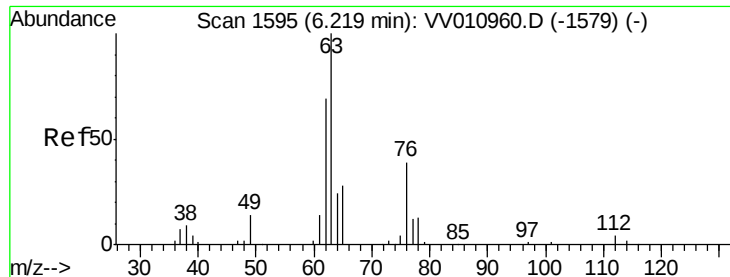
Tgt Ion: 84 Resp: 4079
Ion Ratio Lower Upper
84 100
49 108.1 77.4 143.8
86 66.2 44.0 81.6



#25
Chloroform
Concen: 1.166 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010968.D
Acq: 20 May 2019 20:02

Tgt Ion: 83 Resp: 3342
Ion Ratio Lower Upper
83 100
85 40.6 45.6 84.8#

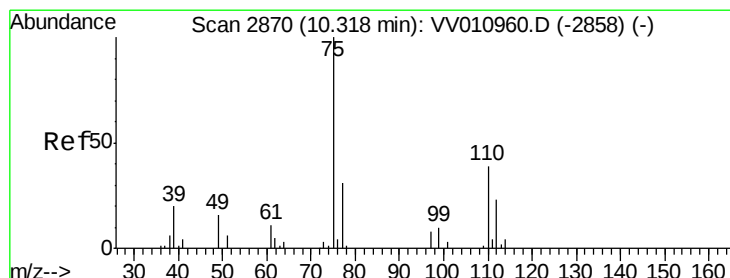
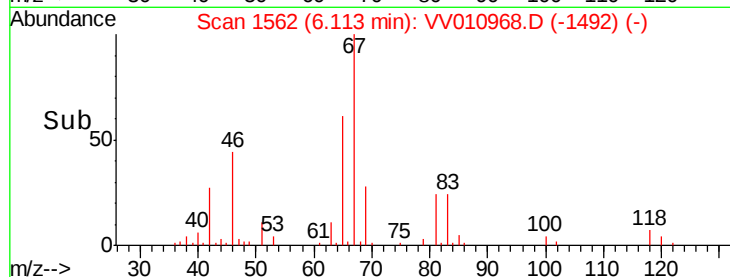
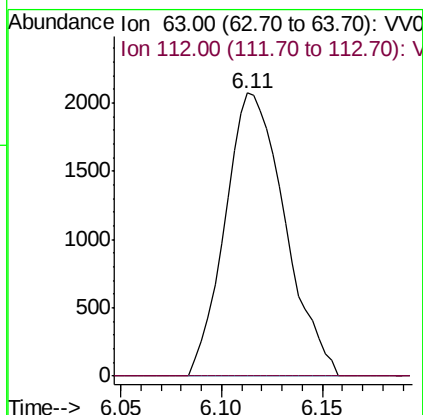
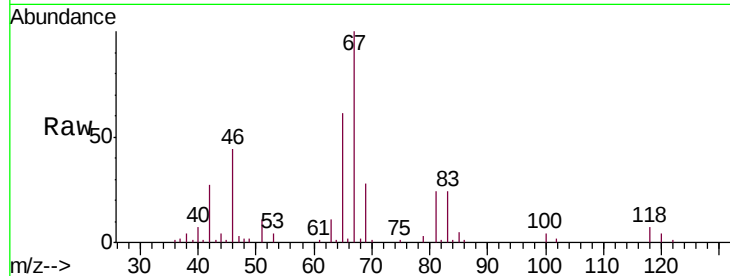




#40
 1,2-Dichloropropane
 Concen: 2.940 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV010968.D
 Acq: 20 May 2019 20:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BFH90

Tgt Ion: 63 Resp: 4286
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#59
 1,2,3-Trichloropropane
 Concen: 3.750 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV010968.D
 Acq: 20 May 2019 20:02

Tgt Ion: 75 Resp: 4506
 Ion Ratio Lower Upper
 75 100
 77 37.4 25.4 38.2

