

Data File : VV011380.D
Acq On : 11 Jun 2019 07:25
Operator : SY/MD
Sample : K3229-15
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9P35

Quant Time: Jun 11 08:06:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 11 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	146484	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	137824	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55440	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	36886	3.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.40%
7) Chloroethane-d5	1.58	69	35167	3.81	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.20%
11) 1,1-Dichloroethene-d2	2.12	63	64380	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	3.97	46	133946	53.60	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.20%
24) Chloroform-d	4.40	84	85645	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.08	65	50017	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.09	84	164017	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	6.12	67	53572	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	7.36	98	141015	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.40%
43) trans-1,3-Dichloropropene-	7.66	79	13758	2.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	56.80%
46) 2-Hexanone-d5	8.14	63	103000	50.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38156	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	48259	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

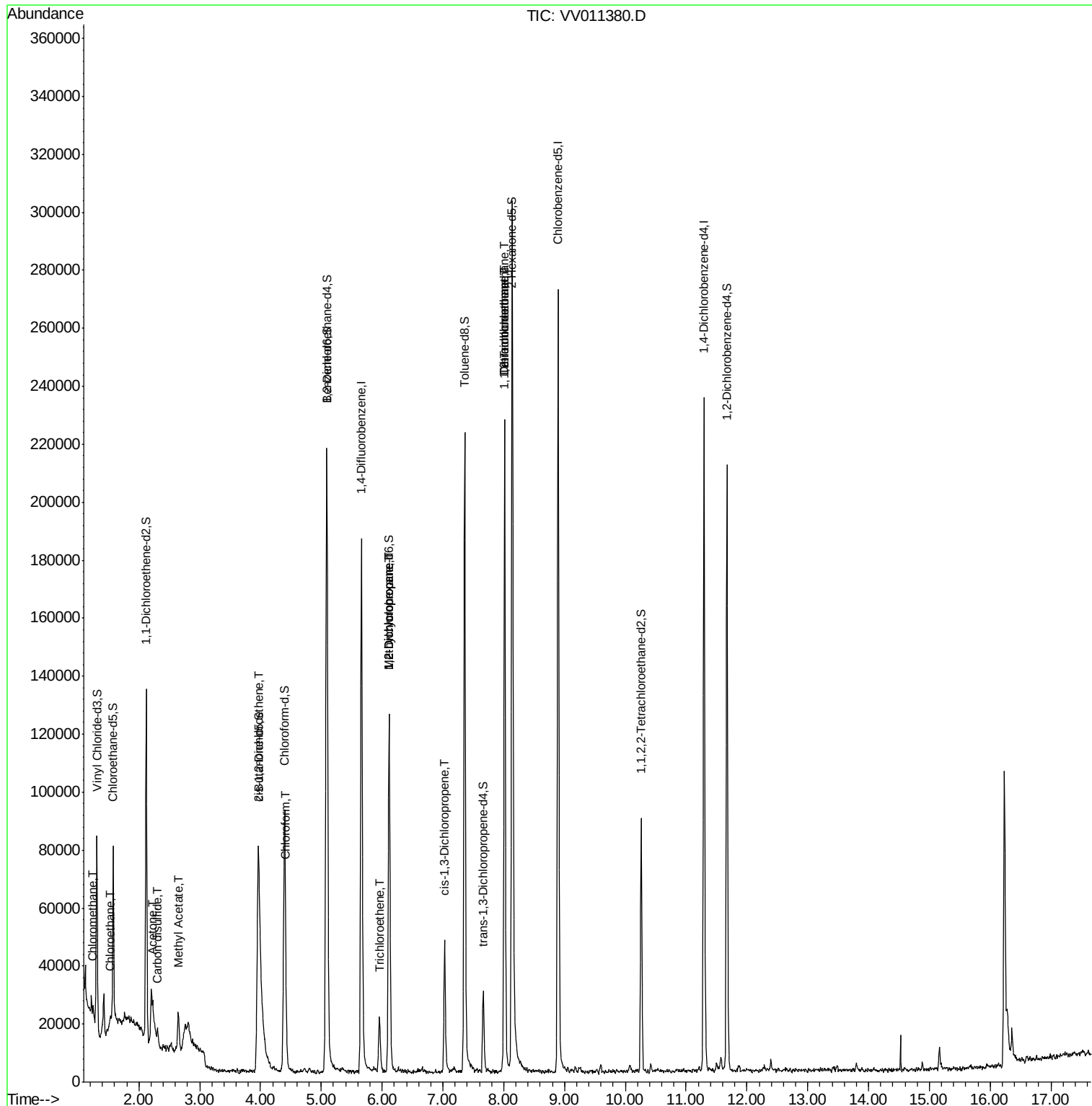
					Qvalue
3) Chloromethane	1.25	50	2466	0.177 ug/L	91
8) Chloroethane	1.53	64	14815	1.720 ug/L #	62
13) Acetone	2.23	43	21921	13.084 ug/L	87
14) Carbon disulfide	2.31	76	4657	0.166 ug/L #	87
15) Methyl Acetate	2.65	43	1125	0.253 ug/L #	77
22) cis-1,2-Dichloroethene	3.96	96	20430	1.785 ug/L	98
25) Chloroform	4.42	83	2261	0.107 ug/L	95
34) Trichloroethene	5.96	95	5392	0.476 ug/L	98
35) Methylcyclohexane	6.12	83	13176	0.703 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	6452	0.591 ug/L #	88
39) cis-1,3-Dichloropropene	7.02	75	1362	0.085 ug/L	90
45) 1,1,2-Trichloroethane	8.00	97	596	0.085 ug/L #	34
47) Tetrachloroethene	8.02	164	45784	5.592 ug/L	97
49) Dibromochloromethane	8.02	129	40368	5.086 ug/L #	12

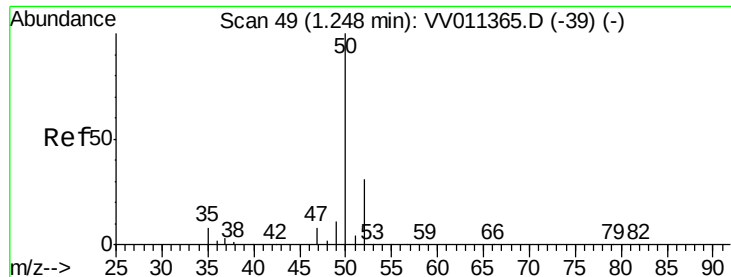
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.177 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011380.D

Acq: 11 Jun 2019 07:25

Instrument :

MSVOA_V

ClientSampleId :

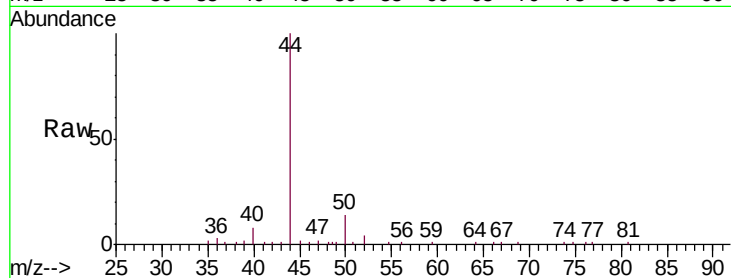
F9P35

Tgt Ion: 50 Resp: 2466

Ion Ratio Lower Upper

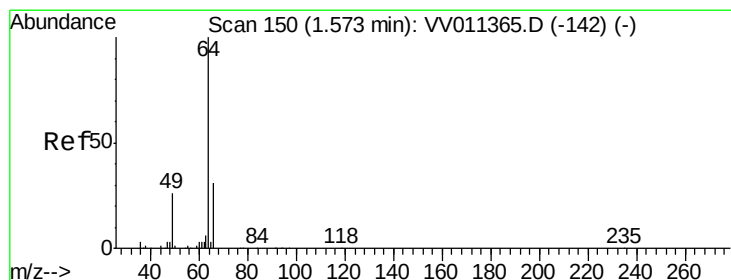
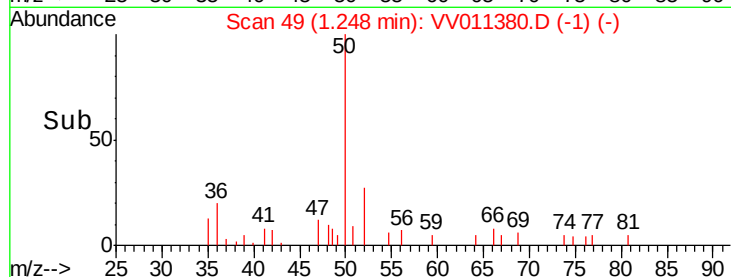
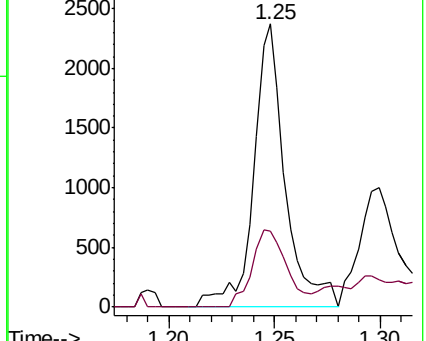
50 100

52 26.8 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 1.720 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.05 min

Lab File: VV011380.D

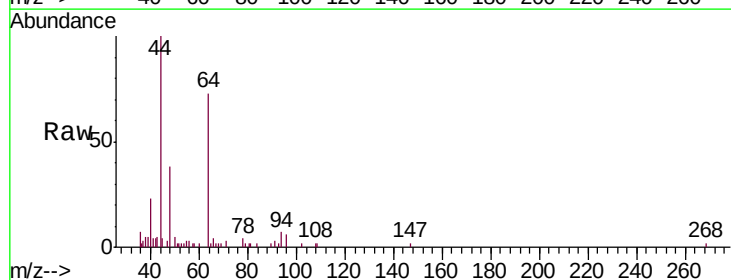
Acq: 11 Jun 2019 07:25

Tgt Ion: 64 Resp: 14815

Ion Ratio Lower Upper

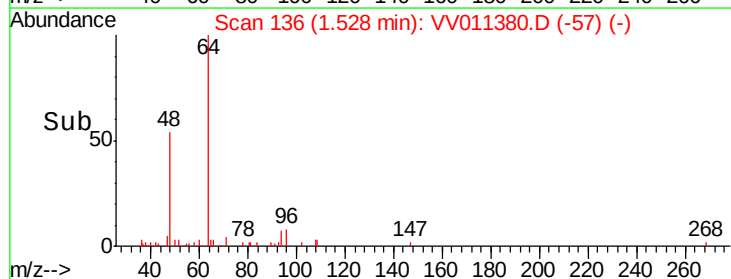
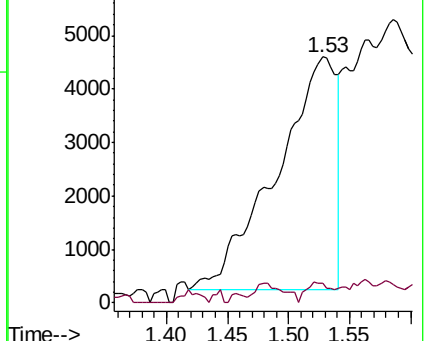
64 100

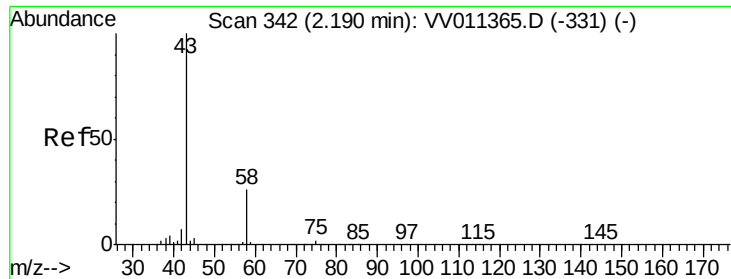
66 8.0 19.4 36.0#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#13

Acetone

Concen: 13.084 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.04 min

Lab File: VV011380.D

Acq: 11 Jun 2019 07:25

Instrument :

MSVOA_V

ClientSampleId :

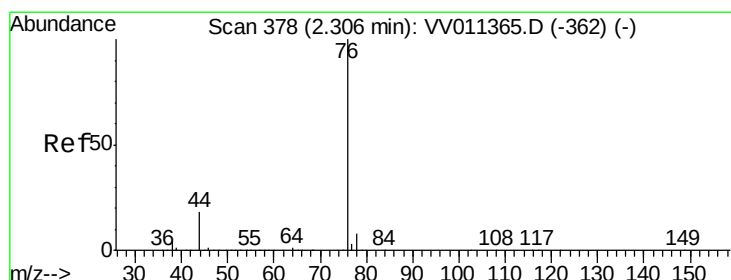
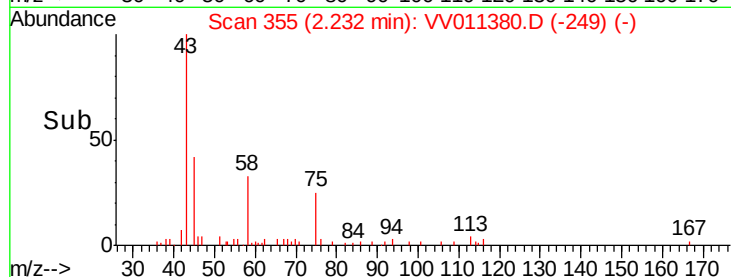
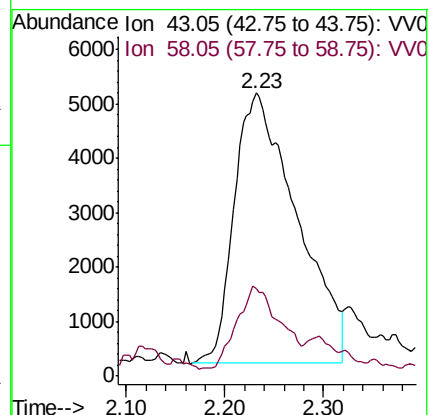
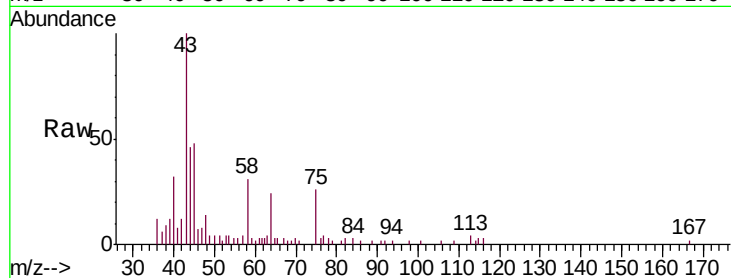
F9P35

Tgt Ion: 43 Resp: 21921

Ion Ratio Lower Upper

43 100

58 20.6 0.0 55.2



#14

Carbon disulfide

Concen: 0.166 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011380.D

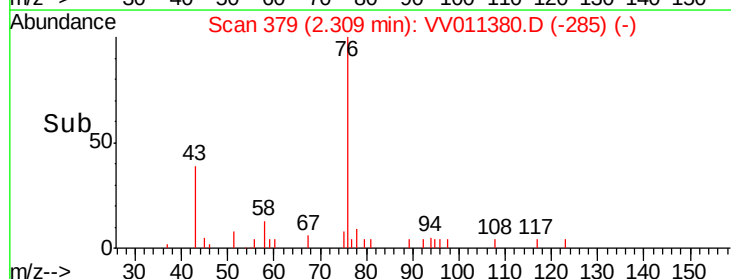
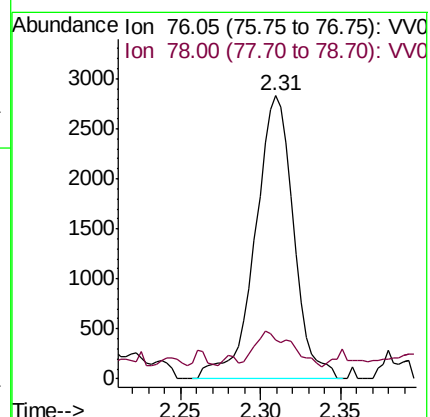
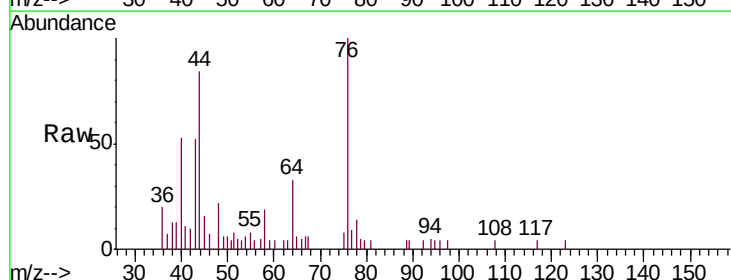
Acq: 11 Jun 2019 07:25

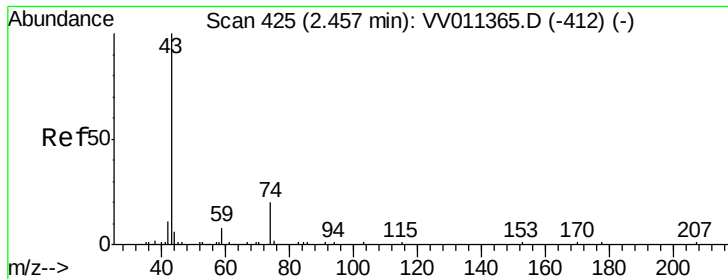
Tgt Ion: 76 Resp: 4657

Ion Ratio Lower Upper

76 100

78 13.7 7.3 10.9#

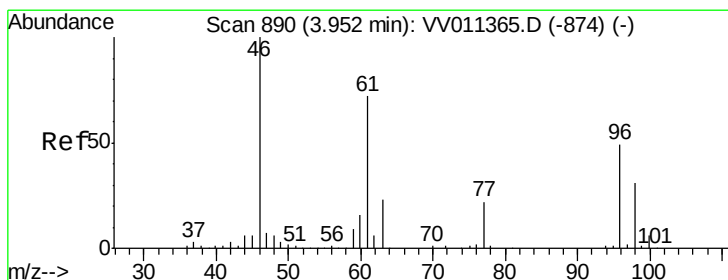
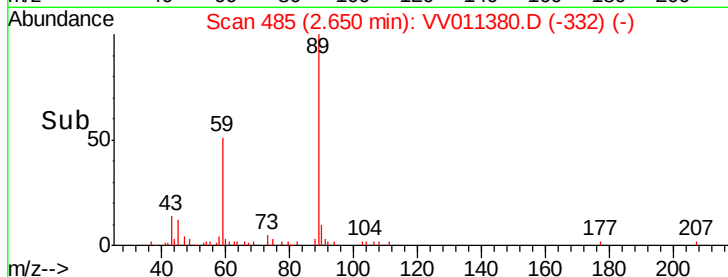
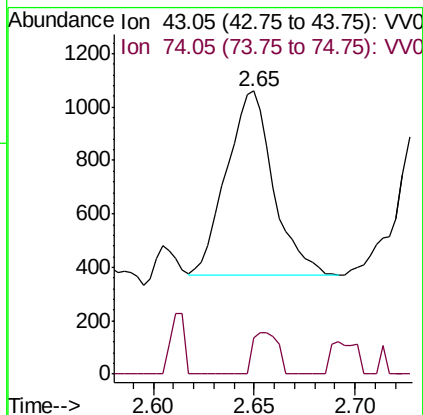
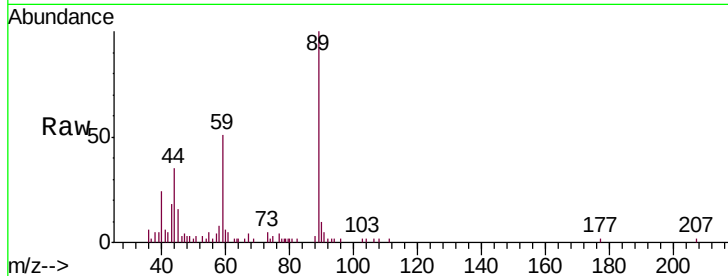




#15
Methyl Acetate
Concen: 0.253 ug/L
RT: 2.65 min Scan# 485
Delta R.T. 0.19 min
Lab File: VV011380.D
Acq: 11 Jun 2019 07:25

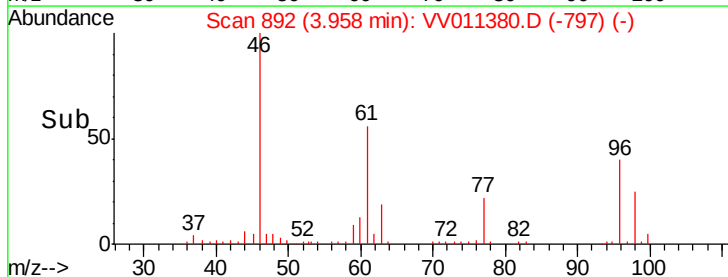
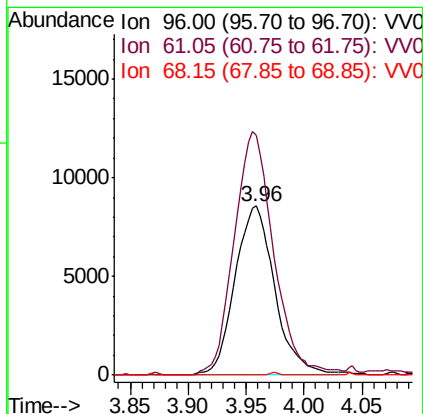
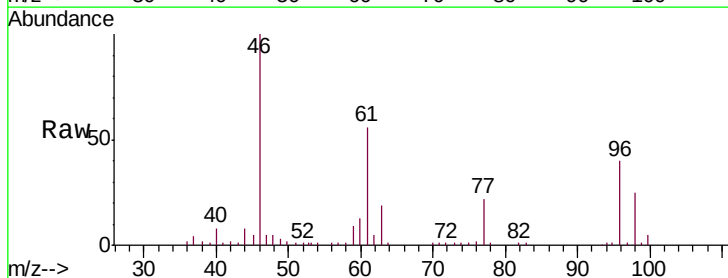
Instrument :
MSVOA_V
ClientSampled :
F9P35

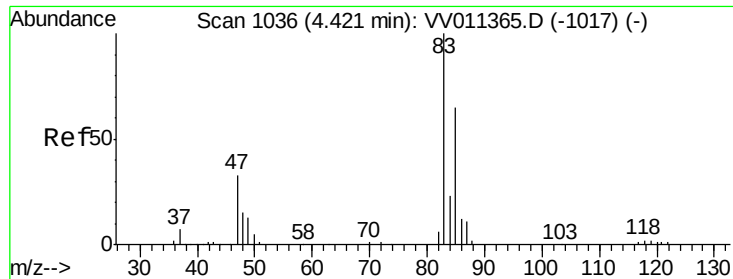
Tgt Ion: 43 Resp: 1125
Ion Ratio Lower Upper
43 100
74 11.9 18.5 27.7#



#22
cis-1,2-Dichloroethene
Concen: 1.785 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.01 min
Lab File: VV011380.D
Acq: 11 Jun 2019 07:25

Tgt Ion: 96 Resp: 20430
Ion Ratio Lower Upper
96 100
61 141.3 100.8 187.2
68 0.0 0.0 0.0

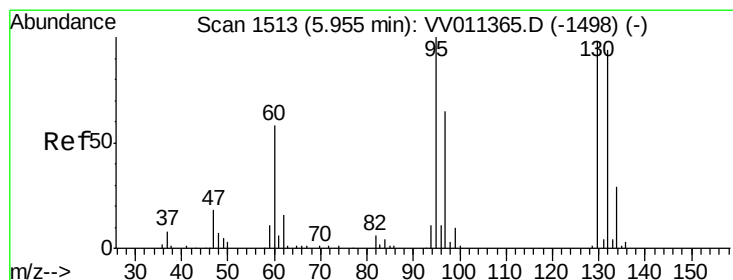
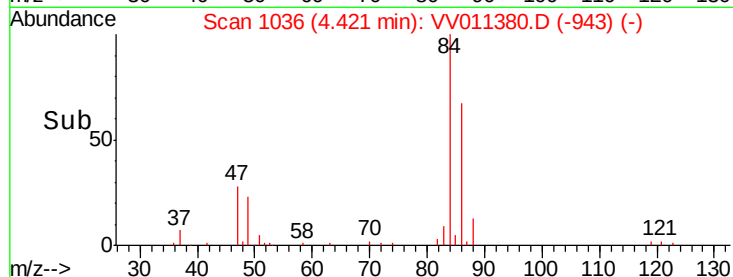
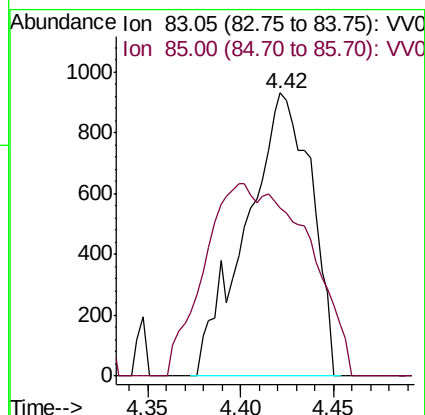
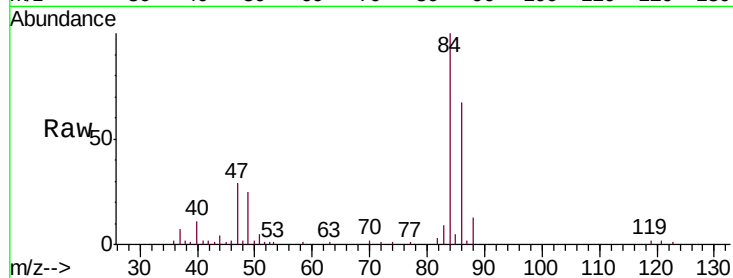




#25
Chloroform
Concen: 0.107 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011380.D
Acq: 11 Jun 2019 07:25

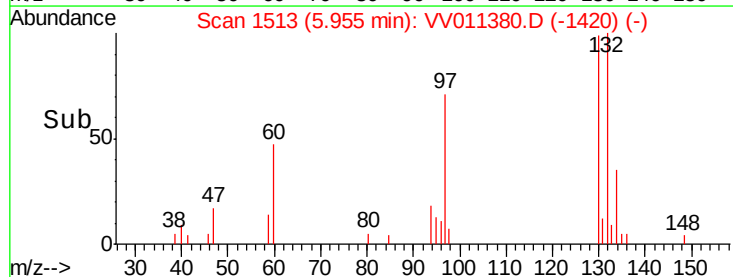
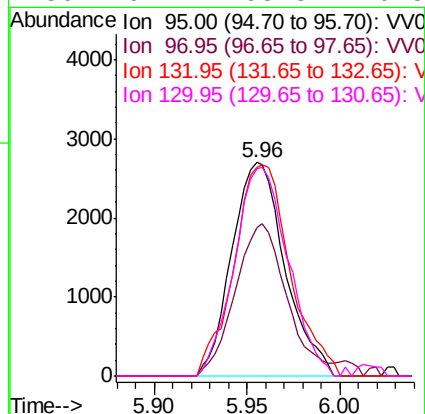
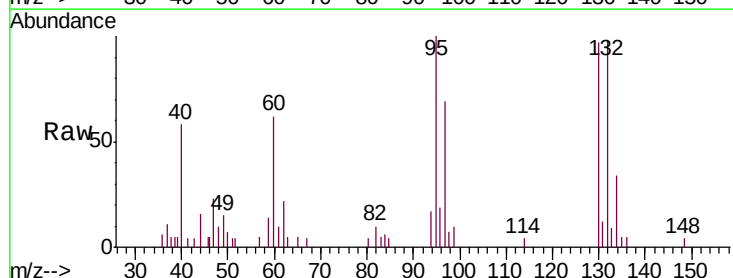
Instrument :
MSVOA_V
ClientSampled :
F9P35

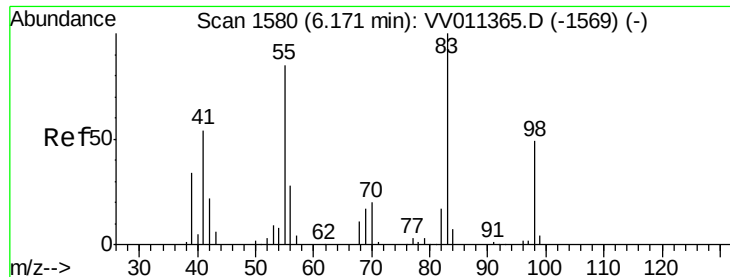
Tgt Ion: 83 Resp: 2261
Ion Ratio Lower Upper
83 100
85 59.5 44.1 81.9



#34
Trichloroethene
Concen: 0.476 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV011380.D
Acq: 11 Jun 2019 07:25

Tgt Ion: 95 Resp: 5392
Ion Ratio Lower Upper
95 100
97 69.2 45.8 85.2
132 97.8 66.4 123.2
130 97.1 68.3 126.8

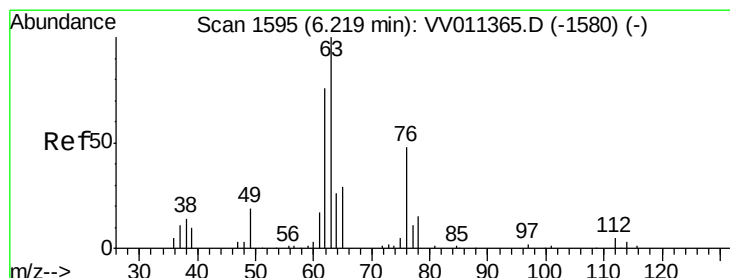
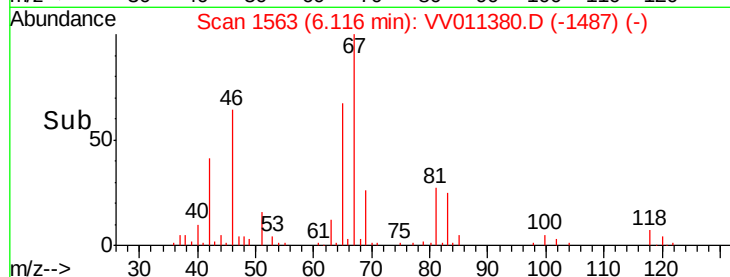
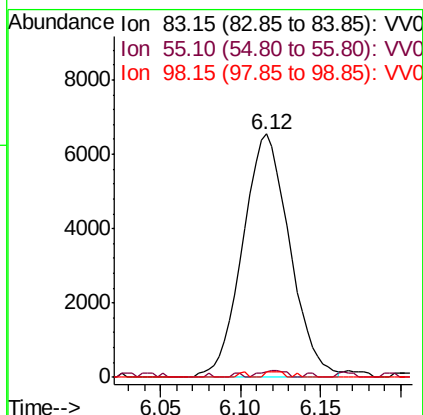
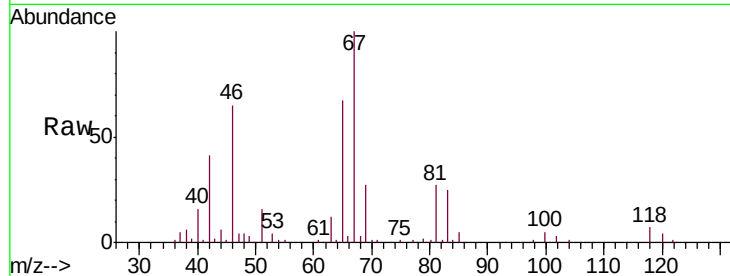




#35
Methylcyclohexane
Concen: 0.703 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011380.D
Acq: 11 Jun 2019 07:25

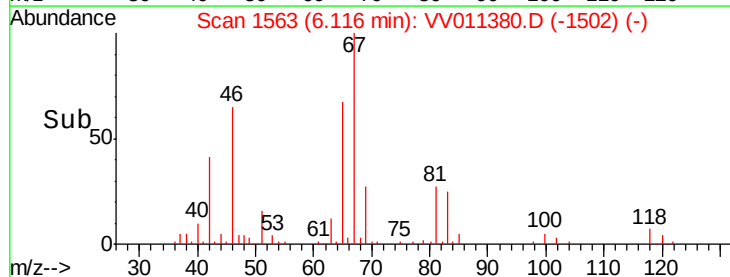
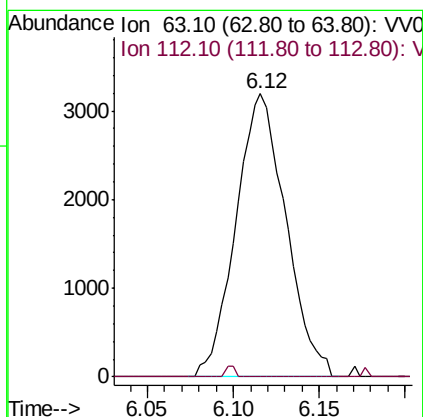
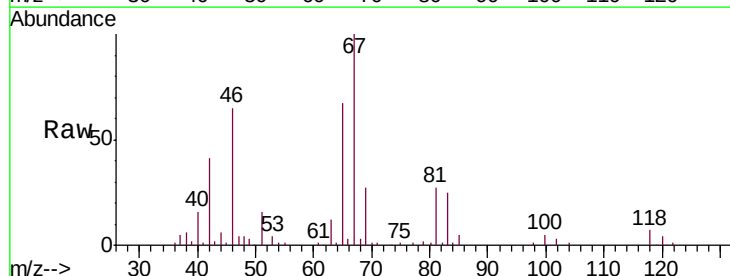
Instrument :
MSVOA_V
ClientSampleId :
F9P35

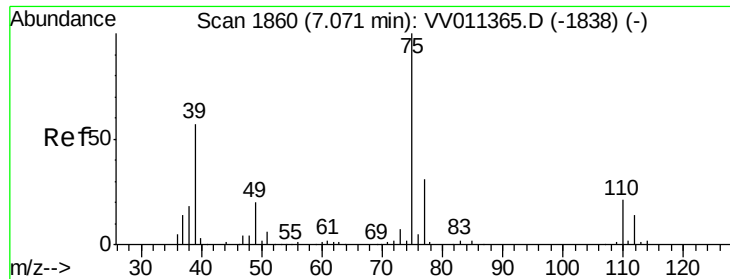
Tgt Ion: 83 Resp: 13176
Ion Ratio Lower Upper
83 100
55 1.5 67.0 100.6#
98 0.9 40.0 60.0#



#37
1,2-Dichloropropane
Concen: 0.591 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011380.D
Acq: 11 Jun 2019 07:25

Tgt Ion: 63 Resp: 6452
Ion Ratio Lower Upper
63 100
112 0.7 3.6 5.4#

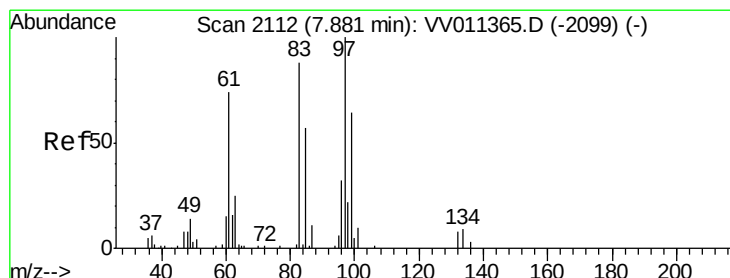
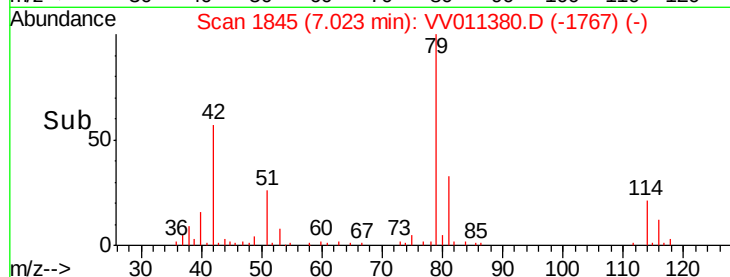
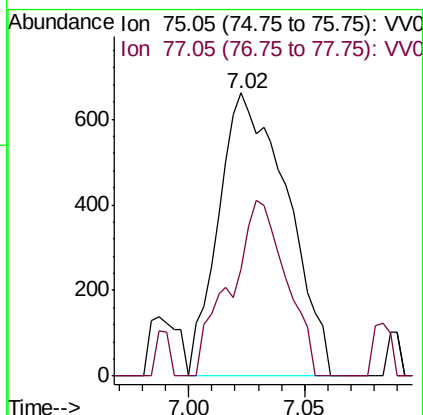
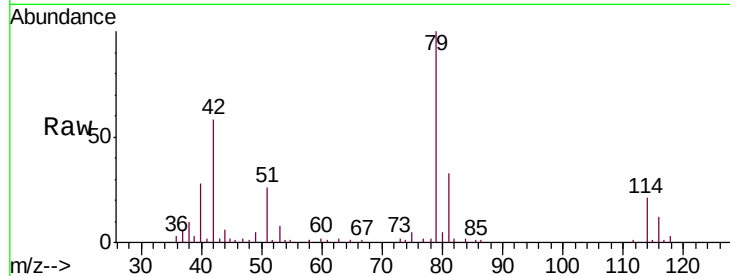




#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.02 min Scan# 1845
 Delta R.T. -0.05 min
 Lab File: VV011380.D
 Acq: 11 Jun 2019 07:25

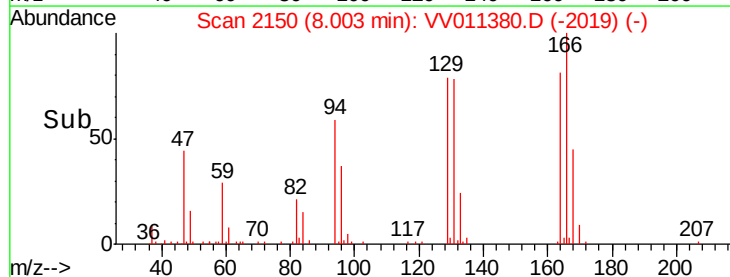
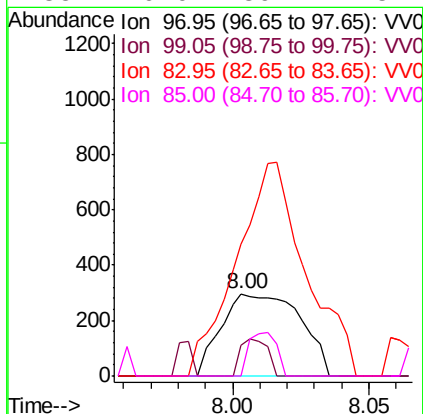
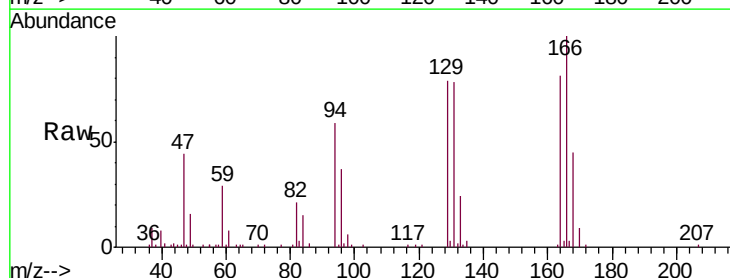
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 MSVOA_V
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 F9P35

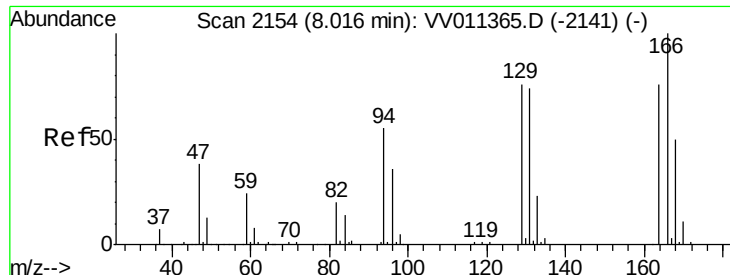
Tgt Ion: 75 Resp: 1362
 Ion Ratio Lower Upper
 75 100
 77 37.5 22.2 41.2



#45
 1,1,2-Trichloroethane
 Concen: 0.085 ug/L
 RT: 8.00 min Scan# 2150
 Delta R.T. 0.12 min
 Lab File: VV011380.D
 Acq: 11 Jun 2019 07:25

Tgt Ion: 97 Resp: 596
 Ion Ratio Lower Upper
 97 100
 99 37.8 42.1 78.3#
 83 161.1 59.4 110.2#
 85 0.0 39.7 73.7#





#47

Tetrachloroethene

Concen: 5.592 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011380.D

Acq: 11 Jun 2019 07:25

Instrument :

MSVOA_V

ClientSampleId :

F9P35

Tgt Ion:164 Resp: 45784

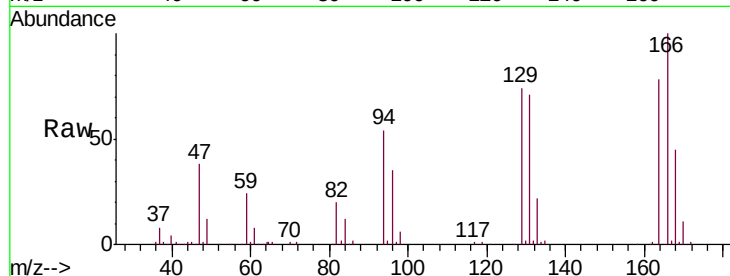
Ion Ratio Lower Upper

164 100

129 95.0 69.9 129.9

131 91.3 66.8 124.2

166 127.8 90.2 167.6

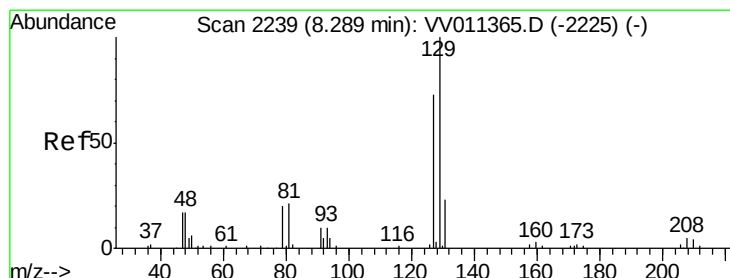
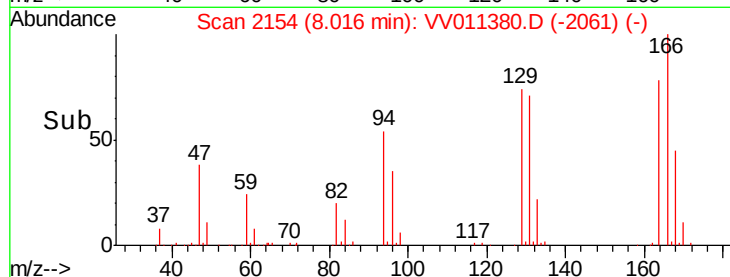
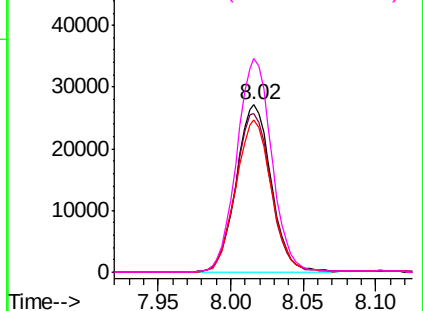


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 5.086 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011380.D

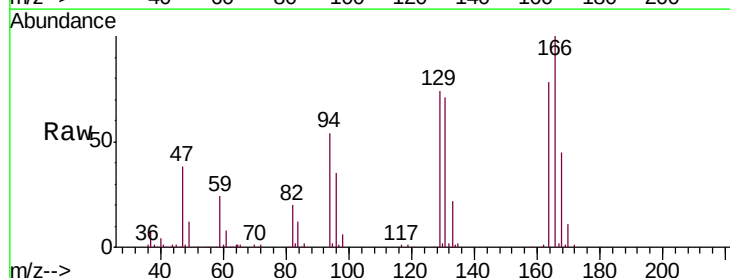
Acq: 11 Jun 2019 07:25

Tgt Ion:129 Resp: 40368

Ion Ratio Lower Upper

129 100

127 0.4 53.7 99.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

