

Data File : VV011410.D
Acq On : 12 Jun 2019 01:04
Operator : SY/MD
Sample : K3289-04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCL9

Quant Time: Jun 12 04:42:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 12 04:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	142271	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	130099	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	51577	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29146	2.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.00%
7) Chloroethane-d5	1.55	69	28987	3.23	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	64.60%#
11) 1,1-Dichloroethene-d2	2.12	63	51161	2.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.60%#
20) 2-Butanone-d5	3.94	46	140701	57.97	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.94%
24) Chloroform-d	4.40	84	76370	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
26) 1,2-Dichloroethane-d4	5.08	65	46099	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.09	84	140777	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.40%
36) 1,2-Dichloropropane-d6	6.12	67	47411	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.00%
41) Toluene-d8	7.36	98	118135	3.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.20%#
43) trans-1,3-Dichloropropene-	7.66	79	12767	2.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.80%
46) 2-Hexanone-d5	8.13	63	99928	51.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38805	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	43956	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

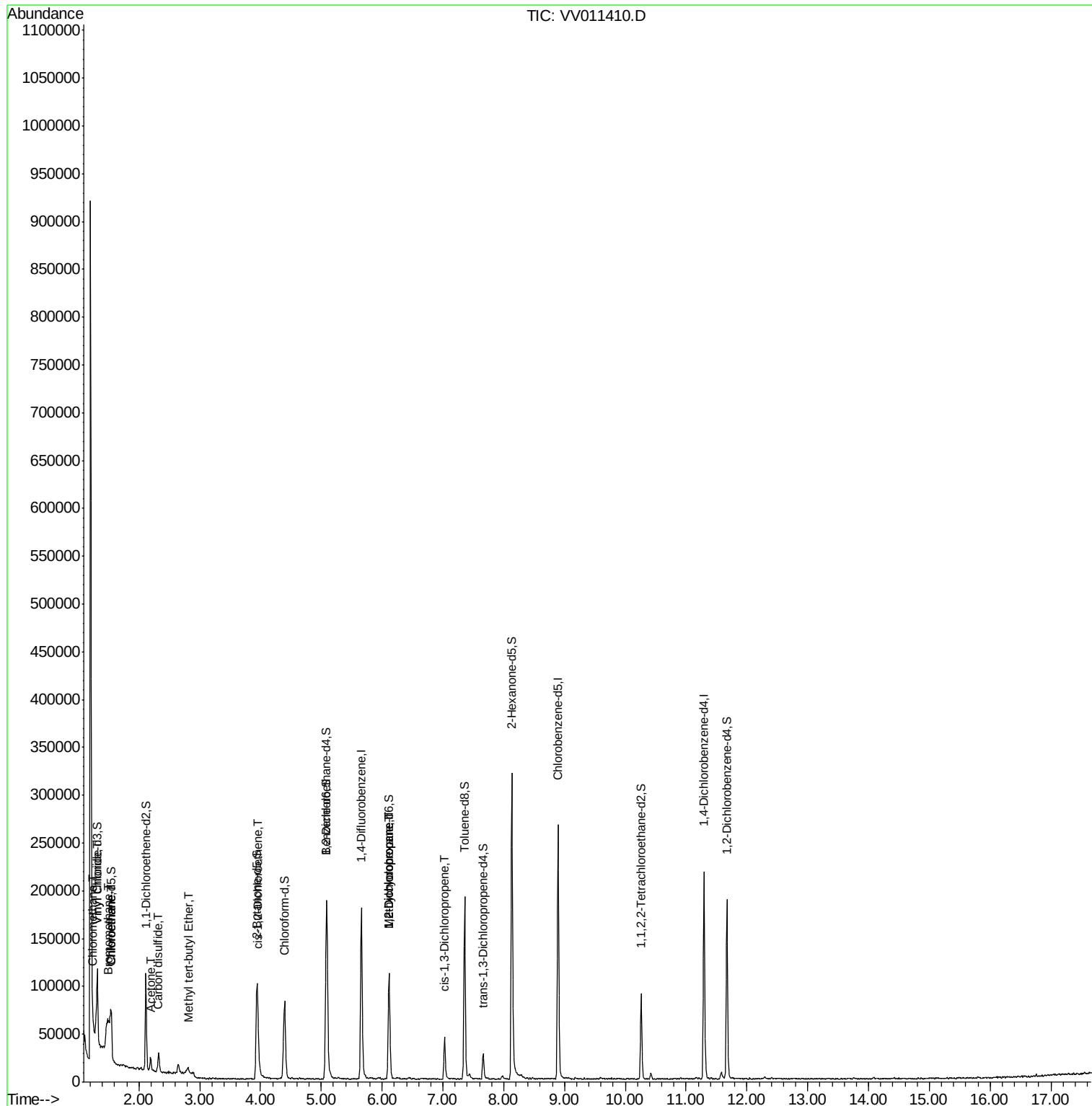
					Qvalue
3) Chloromethane	1.25	50	3924	0.289 ug/L	88
5) Vinyl chloride	1.32	62	6208	0.474 ug/L #	1
6) Bromomethane	1.51	94	1185	0.174 ug/L	93
8) Chloroethane	1.56	64	976	0.117 ug/L #	58
13) Acetone	2.19	43	4318	2.654 ug/L	87
14) Carbon disulfide	2.31	76	5607	0.206 ug/L #	81
17) Methyl tert-butyl Ether	2.81	73	5871	0.245 ug/L #	87
22) cis-1,2-Dichloroethene	3.96	96	6742	0.607 ug/L	95
35) Methylcyclohexane	6.12	83	11393	0.644 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	6223	0.604 ug/L #	86
39) cis-1,3-Dichloropropene	7.02	75	1270	0.084 ug/L	91

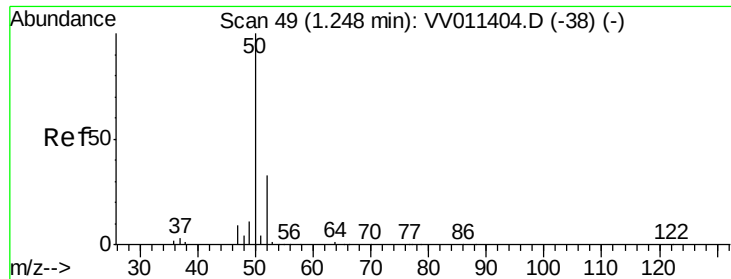
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.289 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011410.D

Acq: 12 Jun 2019 01:04

Instrument :

MSVOA_V

ClientSampleId :

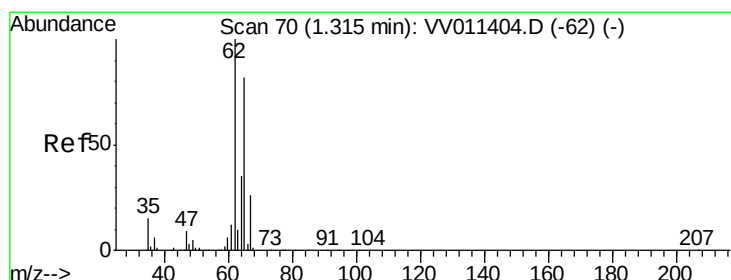
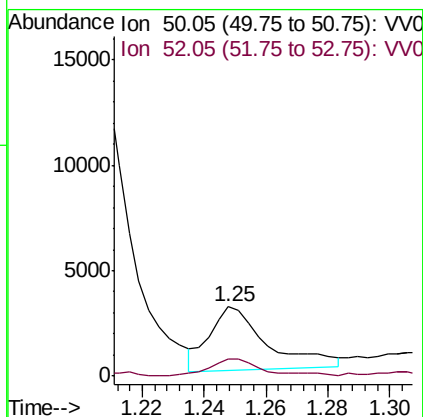
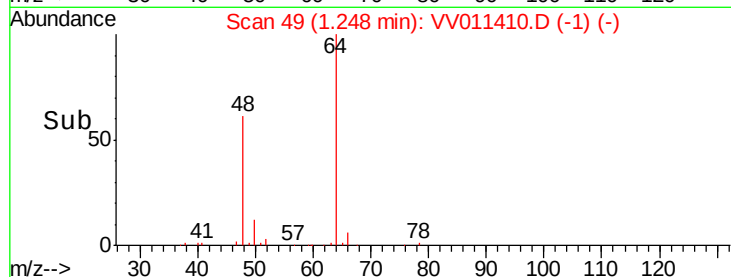
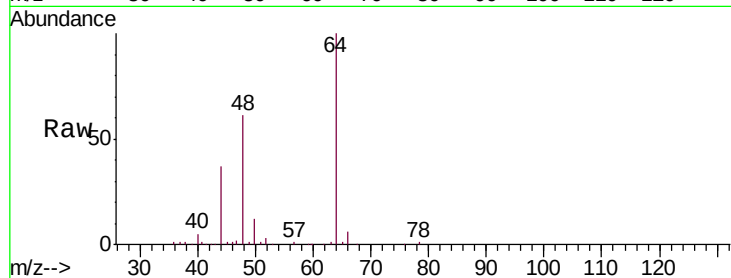
BFCL9

Tgt Ion: 50 Resp: 3924

Ion Ratio Lower Upper

50 100

52 25.4 22.3 41.5



#5

Vinyl chloride

Concen: 0.474 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011410.D

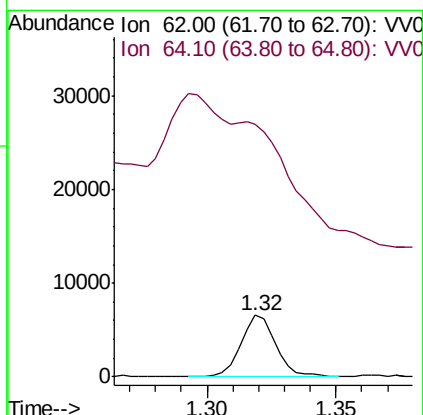
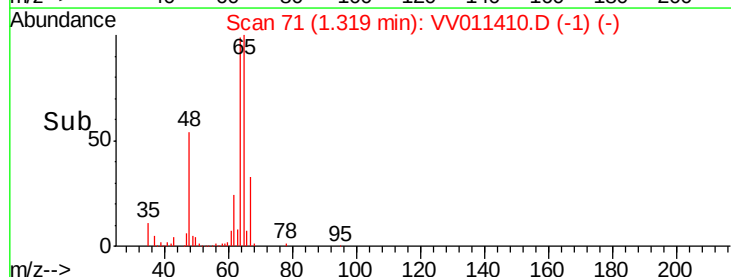
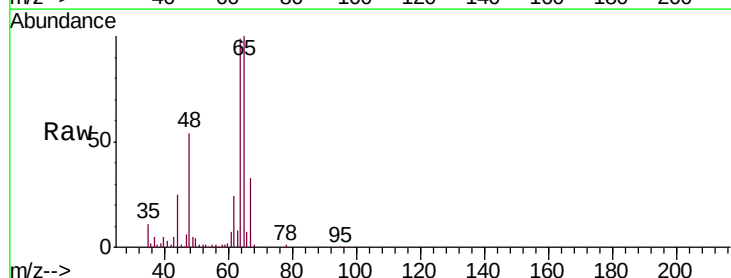
Acq: 12 Jun 2019 01:04

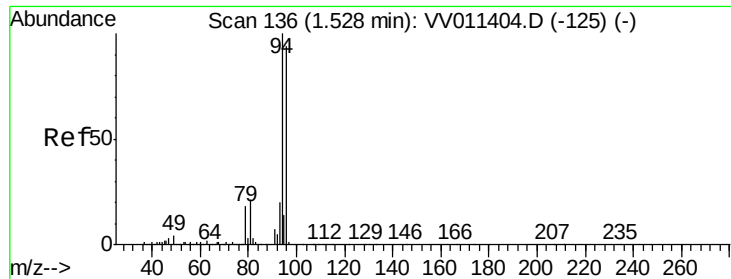
Tgt Ion: 62 Resp: 6208

Ion Ratio Lower Upper

62 100

64 411.5 25.9 48.1#





#6

Bromomethane

Concen: 0.174 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.02 min

Lab File: VV011410.D

Acq: 12 Jun 2019 01:04

Instrument :

MSVOA_V

ClientSampleId :

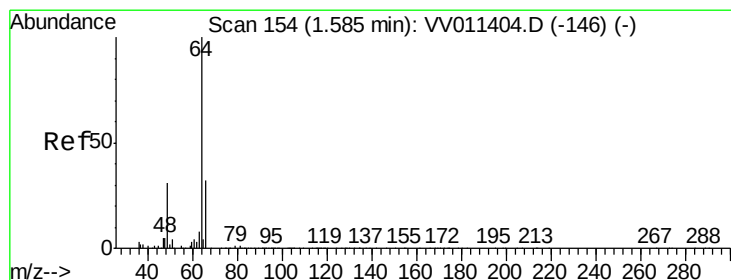
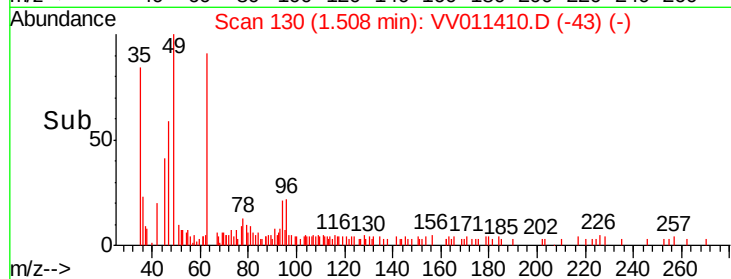
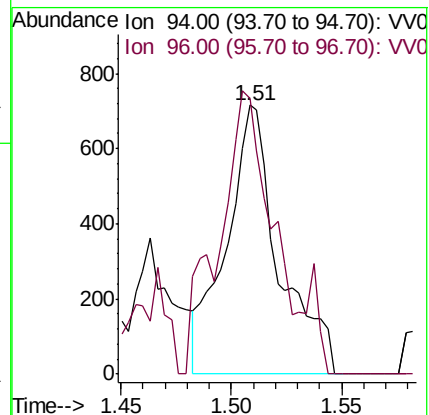
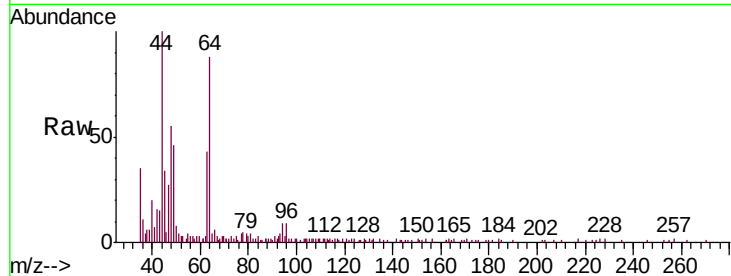
BFCL9

Tgt Ion: 94 Resp: 1185

Ion Ratio Lower Upper

94 100

96 102.5 67.0 124.4



#8

Chloroethane

Concen: 0.117 ug/L

RT: 1.56 min Scan# 145

Delta R.T. -0.03 min

Lab File: VV011410.D

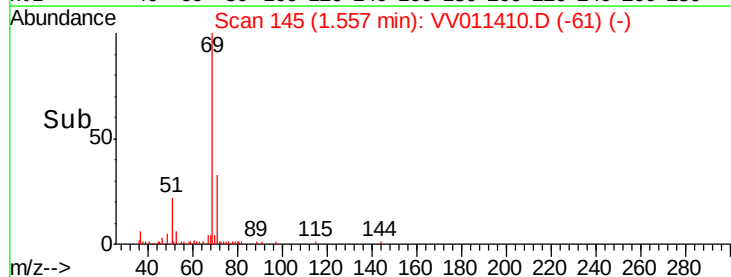
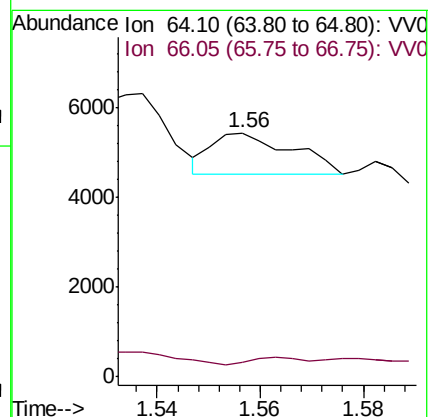
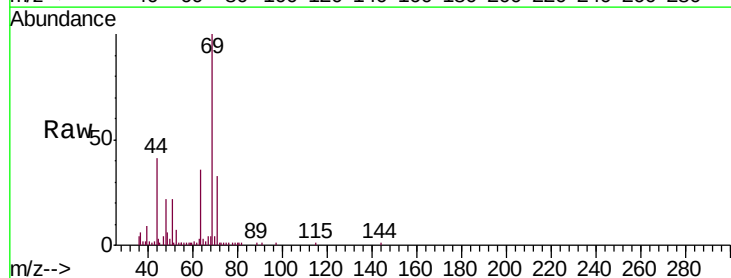
Acq: 12 Jun 2019 01:04

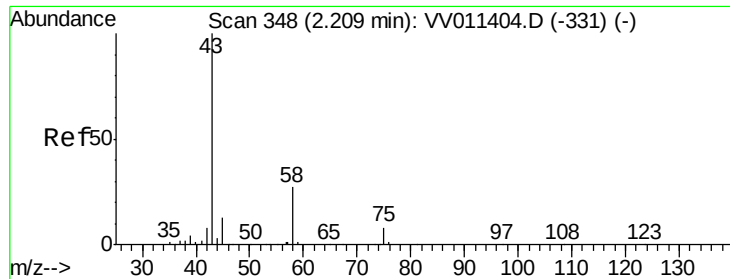
Tgt Ion: 64 Resp: 976

Ion Ratio Lower Upper

64 100

66 5.8 19.4 36.0#





#13

Acetone

Concen: 2.654 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

Lab File: VV011410.D

Acq: 12 Jun 2019 01:04

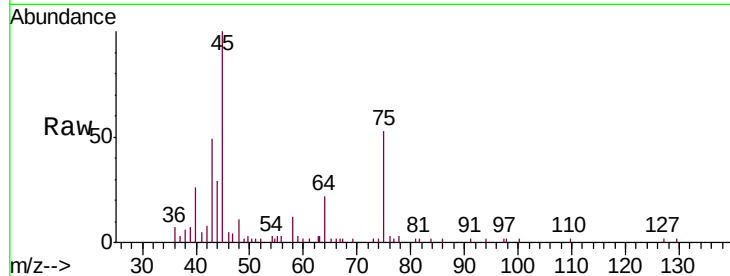
Instrument :
MSVOA_V
ClientSampleId :
BFCL9

Tgt Ion: 43 Resp: 4318

Ion Ratio Lower Upper

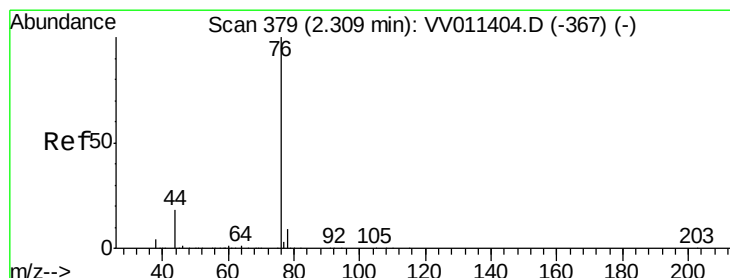
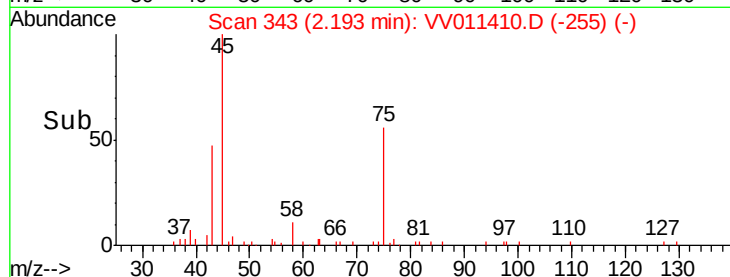
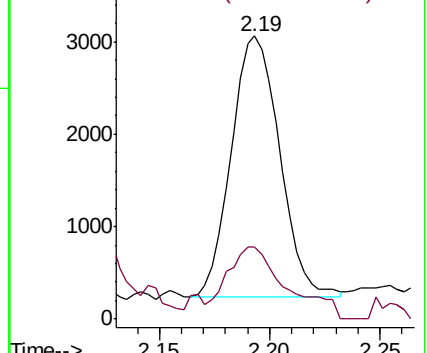
43 100

58 34.2 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011410.D (-343) (-)

Ion 58.05 (57.75 to 58.75): VV011410.D (-343) (-)



#14

Carbon disulfide

Concen: 0.206 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV011410.D

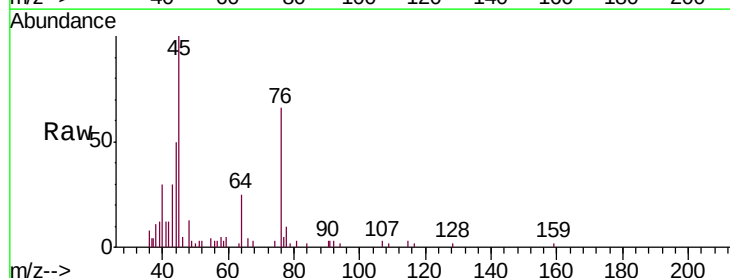
Acq: 12 Jun 2019 01:04

Tgt Ion: 76 Resp: 5607

Ion Ratio Lower Upper

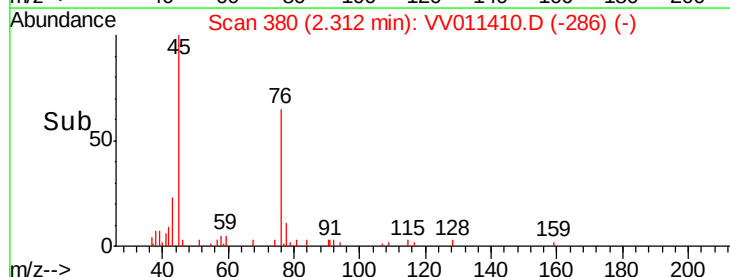
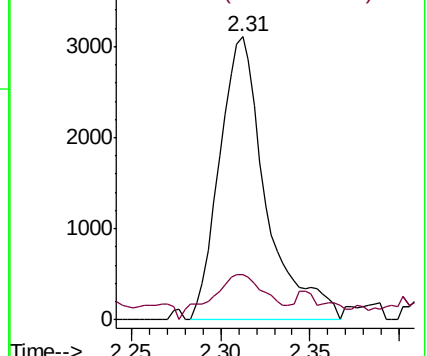
76 100

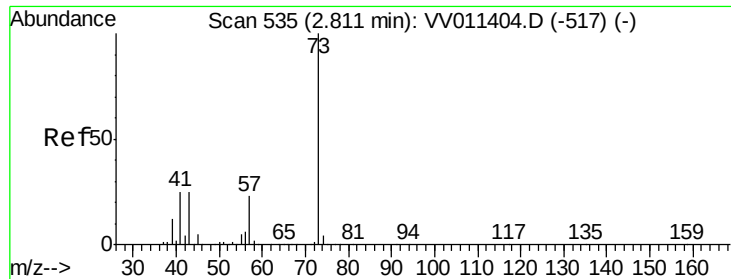
78 15.8 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV011410.D (-379) (-)

Ion 78.00 (77.70 to 78.70): VV011410.D (-379) (-)

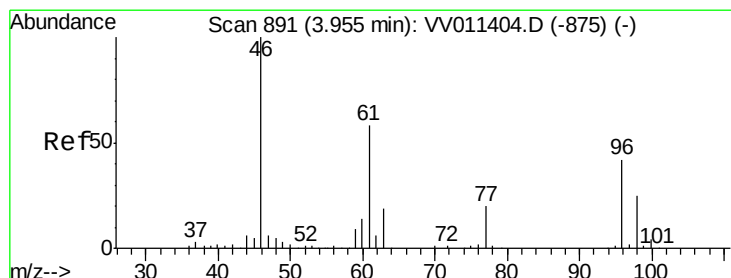
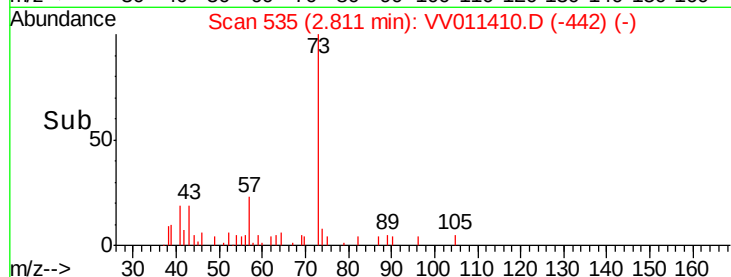
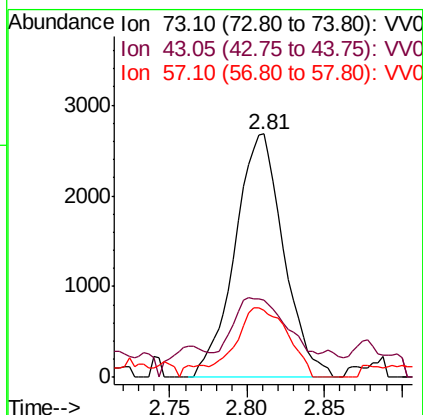
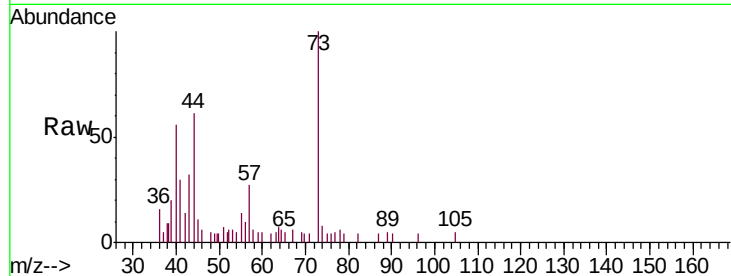




#17
Methyl tert-butyl Ether
Concen: 0.245 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV011410.D
Acq: 12 Jun 2019 01:04

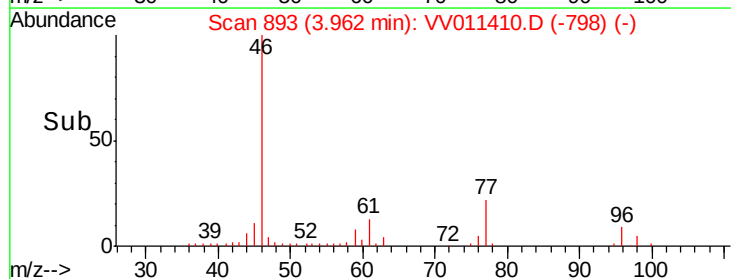
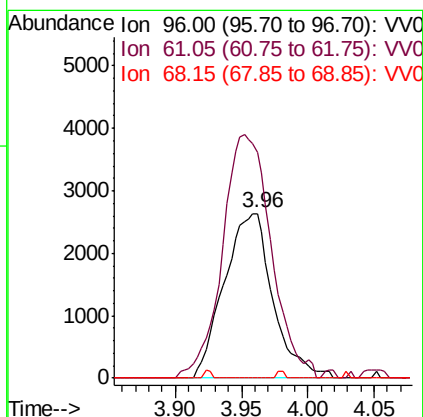
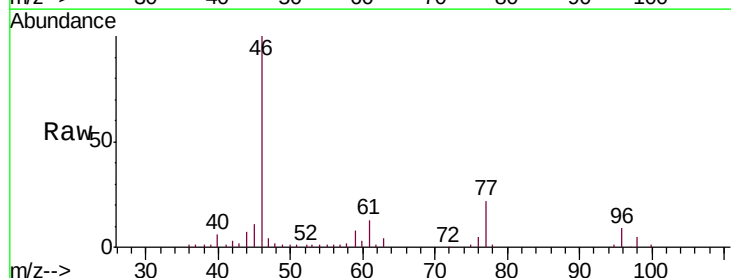
Instrument :
MSVOA_V
ClientSampleId :
BFCL9

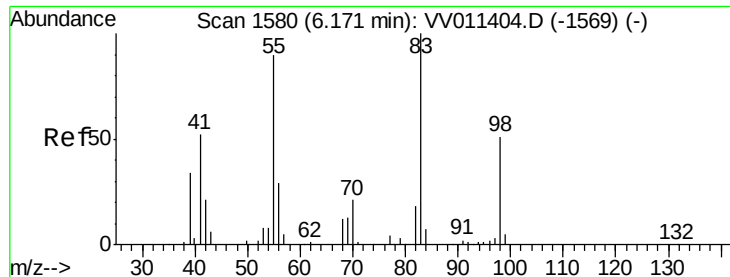
Tgt Ion: 73 Resp: 5871
Ion Ratio Lower Upper
73 100
43 26.4 18.7 28.1
57 32.7 18.1 27.1#



#22
cis-1,2-Dichloroethene
Concen: 0.607 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VV011410.D
Acq: 12 Jun 2019 01:04

Tgt Ion: 96 Resp: 6742
Ion Ratio Lower Upper
96 100
61 137.3 100.8 187.2
68 0.0 0.0 0.0

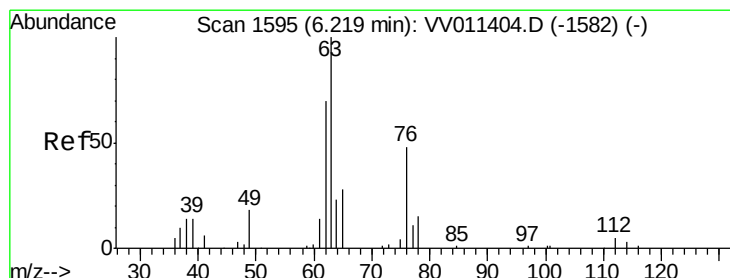
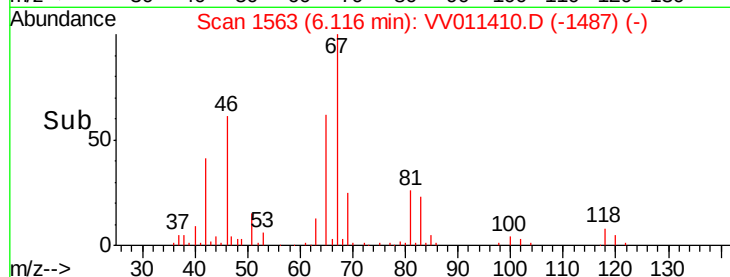
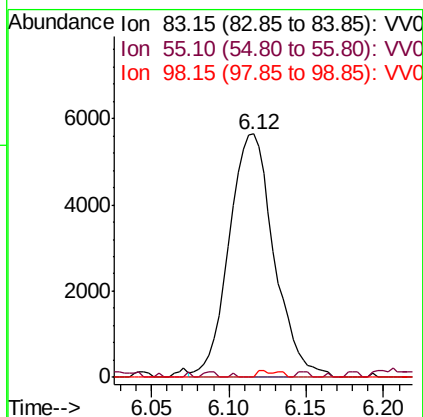
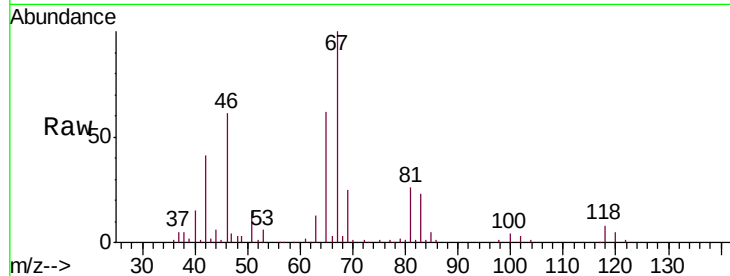




#35
Methylcyclohexane
Concen: 0.644 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011410.D
Acq: 12 Jun 2019 01:04

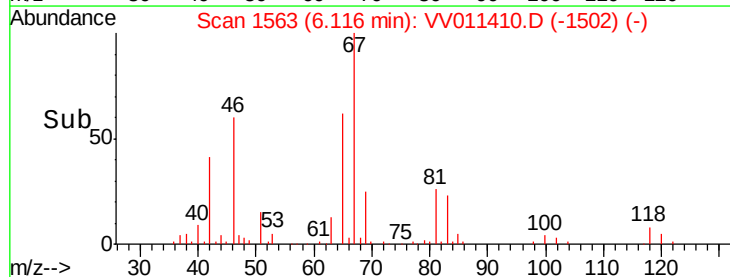
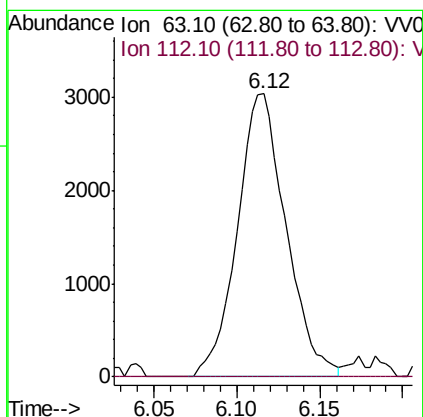
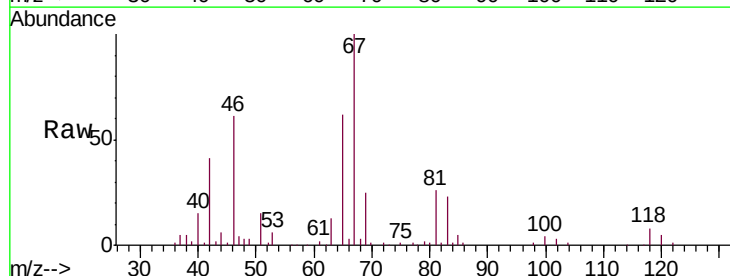
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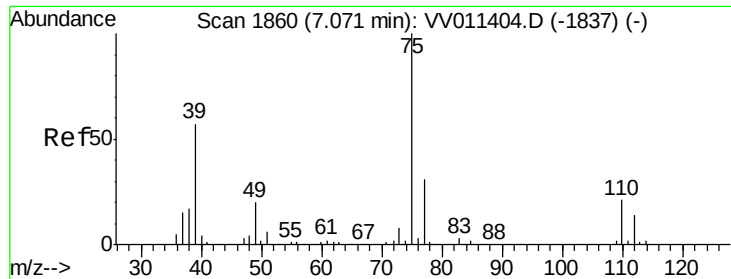
Tgt Ion: 83 Resp: 11393
Ion Ratio Lower Upper
83 100
55 0.2 67.0 100.6#
98 1.3 40.0 60.0#



#37
1,2-Dichloropropane
Concen: 0.604 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011410.D
Acq: 12 Jun 2019 01:04

Tgt Ion: 63 Resp: 6223
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.02 min Scan# 1845
 Delta R.T. -0.05 min
 Lab File: VV011410.D
 Acq: 12 Jun 2019 01:04

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL9

Tgt Ion: 75 Resp: 1270
 Ion Ratio Lower Upper
 75 100
 77 36.7 22.2 41.2

