

Data File : VV011384.D
Acq On : 11 Jun 2019 09:18
Operator : SY/MD
Sample : K3226-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCP1

Quant Time: Jun 12 02:29:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 12 02:23:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	144558	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	135970	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	55840	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38890	3.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.00%
7) Chloroethane-d5	1.55	69	35436	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	2.12	63	65166	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	3.95	46	147289	59.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.46%
24) Chloroform-d	4.40	84	86897	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.08	65	50680	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.09	84	167442	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.12	67	53792	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.36	98	147406	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
43) trans-1,3-Dichloropropene-	7.66	79	14682	3.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.40%
46) 2-Hexanone-d5	8.13	63	109813	54.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.84%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41352	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	49927	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	2430	0.176 ug/L	91
5) Vinyl chloride	1.32	62	148940	11.199 ug/L	99
6) Bromomethane	1.51	94	1157	0.167 ug/L	95
8) Chloroethane	1.32	64	57547	6.771 ug/L #	52
12) 1,1-Dichloroethene	2.13	96	6751	0.741 ug/L #	1
13) Acetone	2.19	43	3092	1.870 ug/L	85
17) Methyl tert-butyl Ether	2.81	73	5600	0.230 ug/L #	89
18) trans-1,2-Dichloroethene	2.78	96	511868	50.196 ug/L	94
22) cis-1,2-Dichloroethene	3.95	96	2767258	245.038 ug/L	98
34) Trichloroethene	5.96	95	3806864	340.590 ug/L	97
35) Methylcyclohexane	6.12	83	13047	0.706 ug/L #	16
37) 1,2-Dichloropropane	6.11	63	7276	0.676 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1431	0.091 ug/L #	58
42) Toluene	7.43	91	14423	0.313 ug/L	97
53) m,p-xylene	9.18	106	3203	0.169 ug/L	68

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061019\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data File : VV011384.D

Acq On : 11 Jun 2019 09:18

Operator : SY/MD

Sample : K3226-17

Misc : 25ML/MSVOA V/WATER

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BFCP1

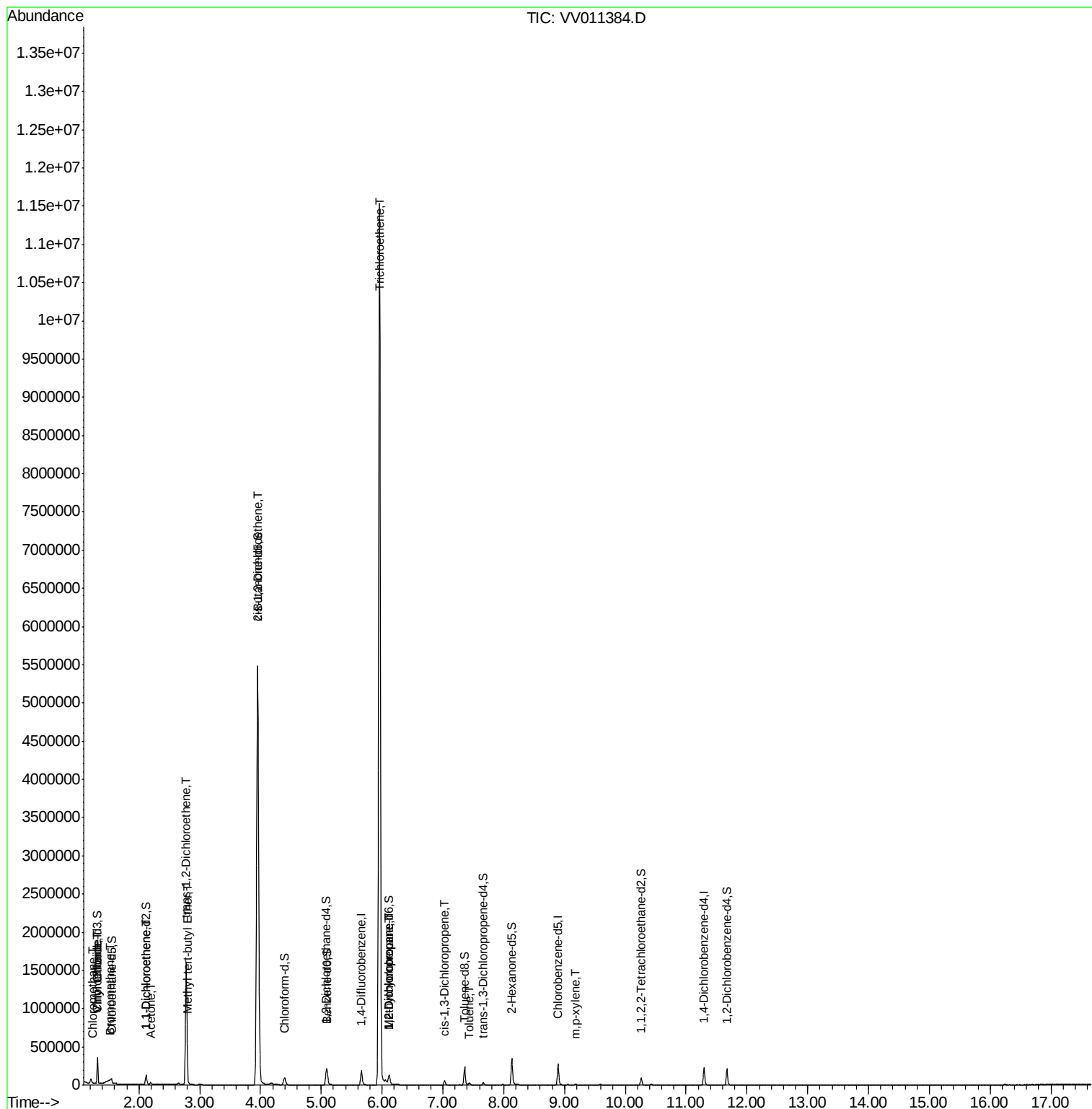
Quant Time: Jun 12 02:29:10 2019

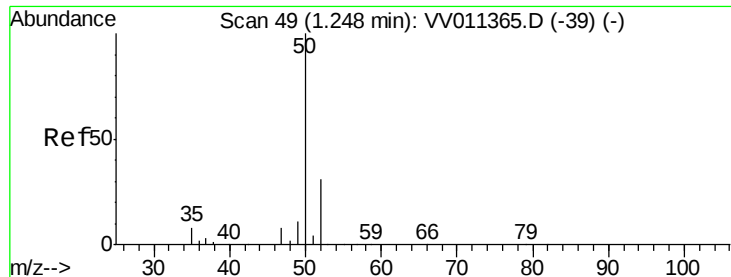
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Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jun 12 02:23:01 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.176 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011384.D

Acq: 11 Jun 2019 09:18

Instrument :

MSVOA_V

ClientSampleId :

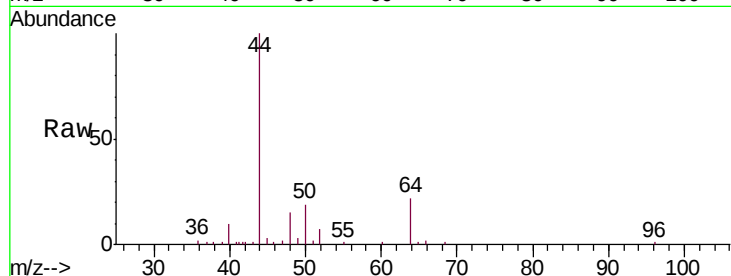
BFCP1

Tgt Ion: 50 Resp: 2430

Ion Ratio Lower Upper

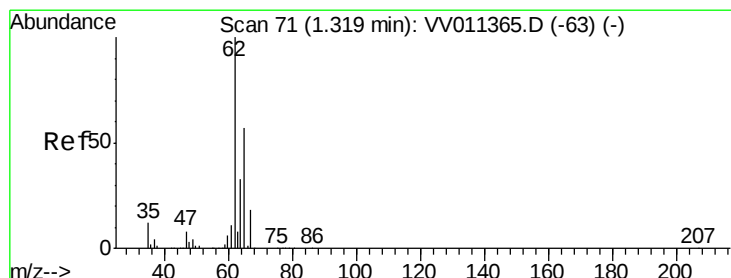
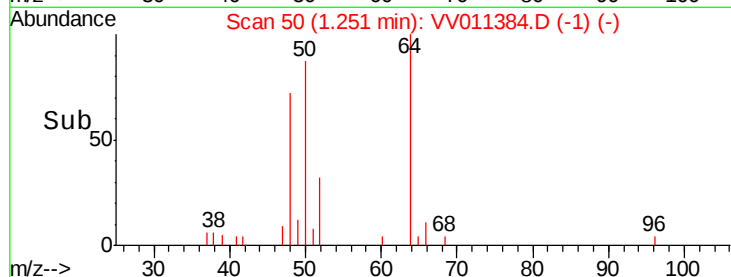
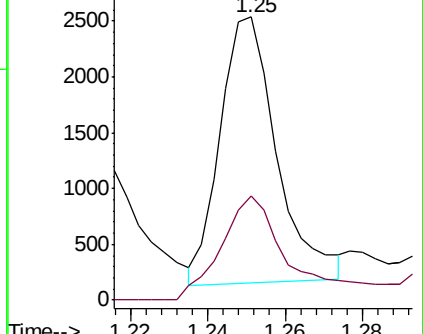
50 100

52 36.8 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV011365.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV011384.D (-1) (-)



#5

Vinyl chloride

Concen: 11.199 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011384.D

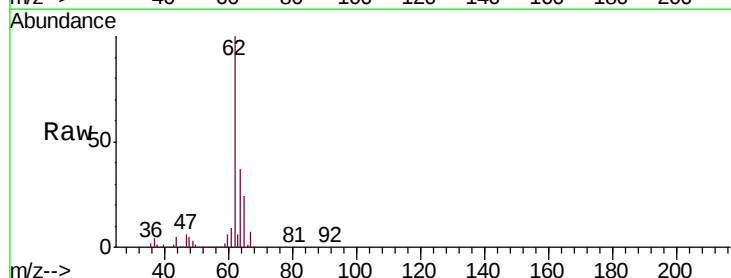
Acq: 11 Jun 2019 09:18

Tgt Ion: 62 Resp: 148940

Ion Ratio Lower Upper

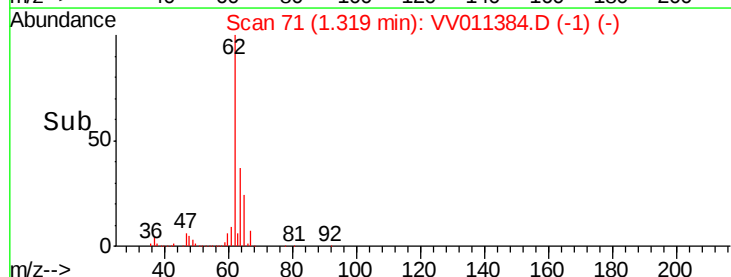
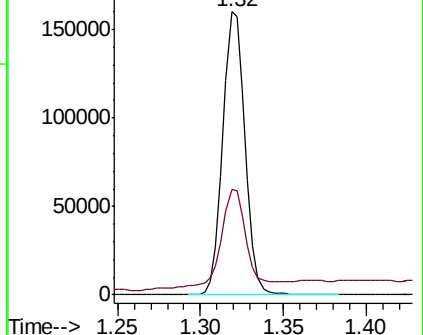
62 100

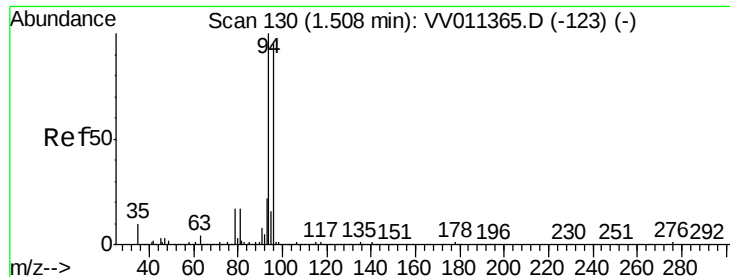
64 37.4 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV011365.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV011384.D (-1) (-)





#6

Bromomethane

Concen: 0.167 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV011384.D

Acq: 11 Jun 2019 09:18

Instrument :

MSVOA_V

ClientSampleId :

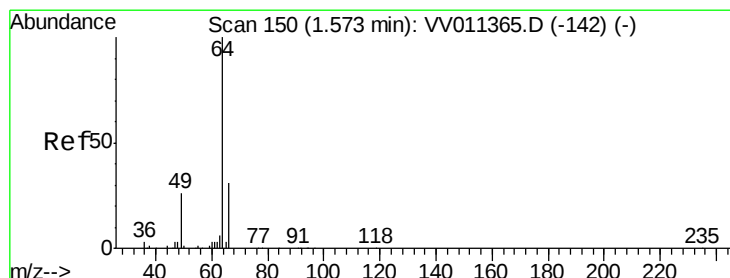
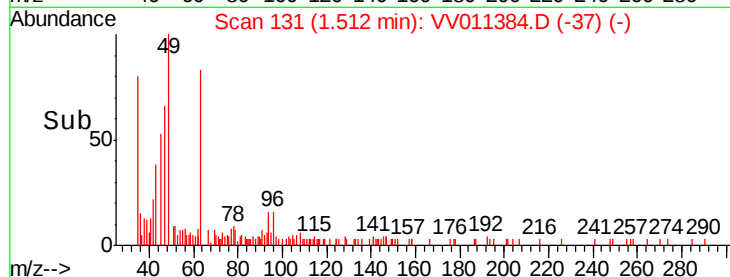
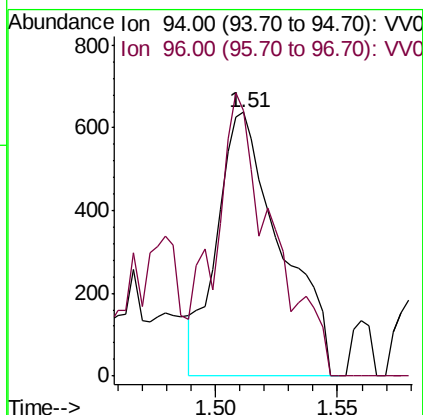
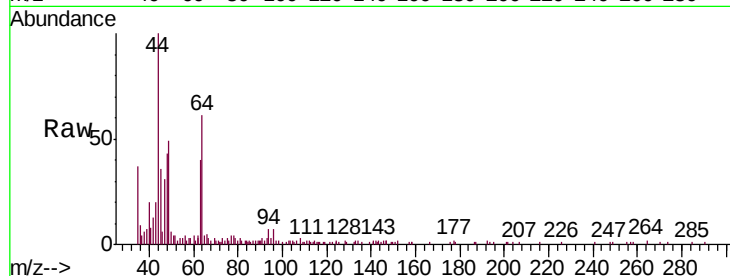
BFCP1

Tgt Ion: 94 Resp: 1157

Ion Ratio Lower Upper

94 100

96 100.9 67.0 124.4



#8

Chloroethane

Concen: 6.771 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.25 min

Lab File: VV011384.D

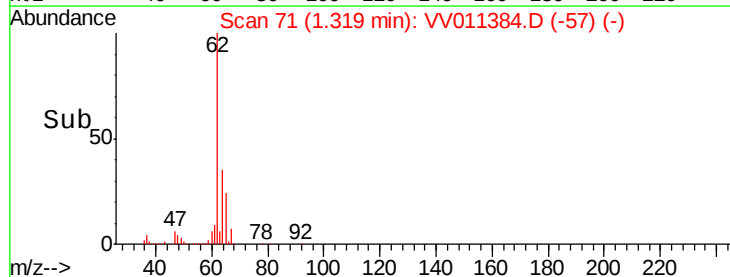
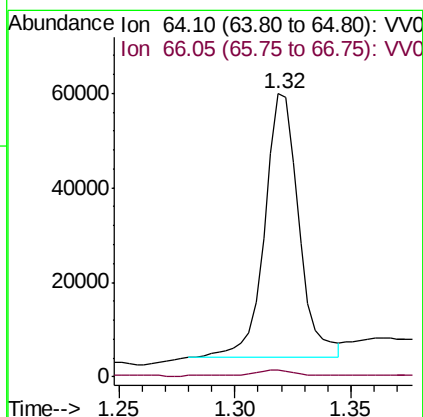
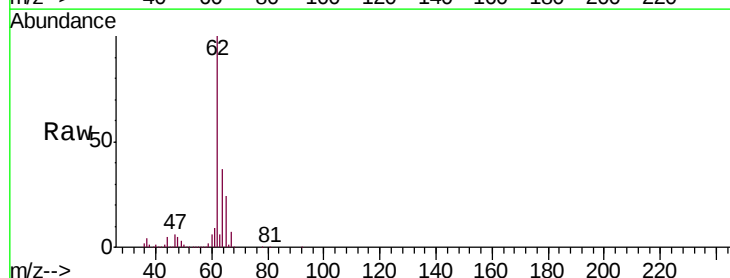
Acq: 11 Jun 2019 09:18

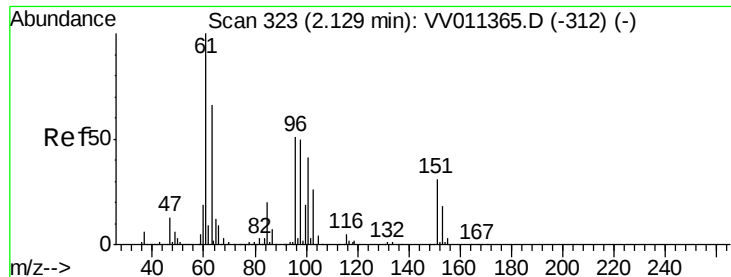
Tgt Ion: 64 Resp: 57547

Ion Ratio Lower Upper

64 100

66 2.3 19.4 36.0#





#12

1,1-Dichloroethene

Concen: 0.741 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011384.D

Acq: 11 Jun 2019 09:18

Instrument :

MSVOA_V

ClientSampleId :

BFCP1

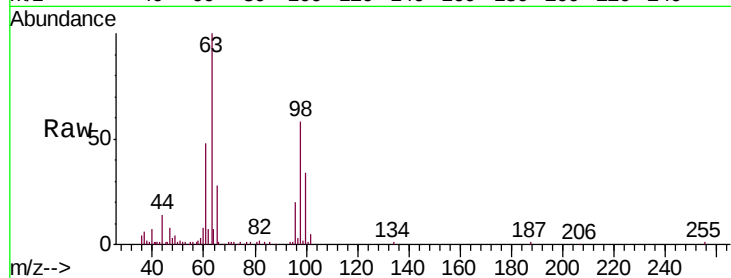
Tgt Ion: 96 Resp: 6751

Ion Ratio Lower Upper

96 100

61 239.8 139.8 259.6

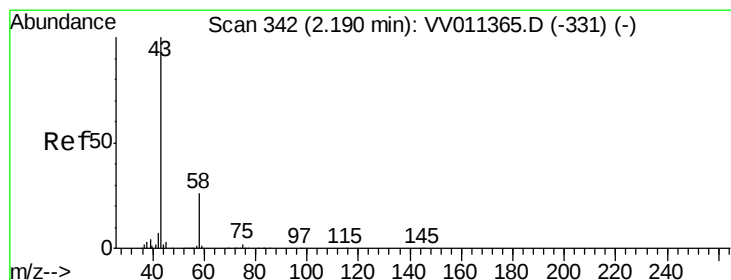
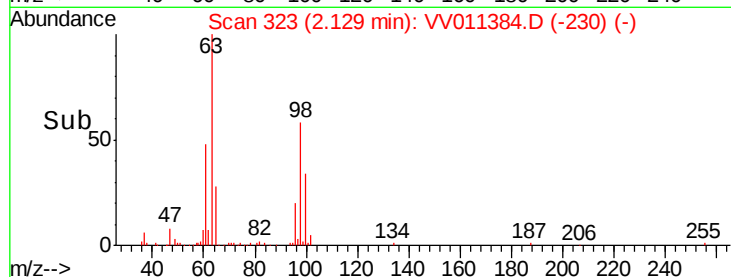
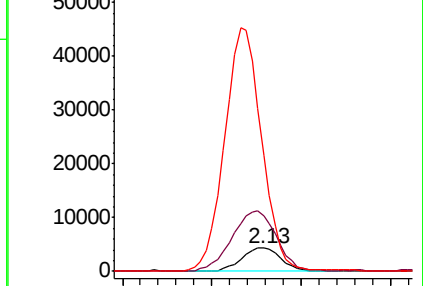
63 495.0 94.3 175.1#



Abundance Ion 96.00 (95.70 to 96.70): VV011365.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV011365.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV011365.D (-312) (-)



#13

Acetone

Concen: 1.870 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV011384.D

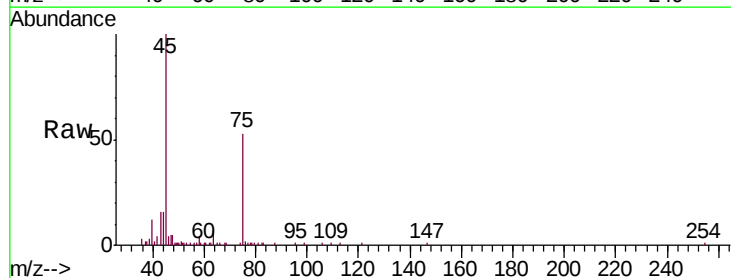
Acq: 11 Jun 2019 09:18

Tgt Ion: 43 Resp: 3092

Ion Ratio Lower Upper

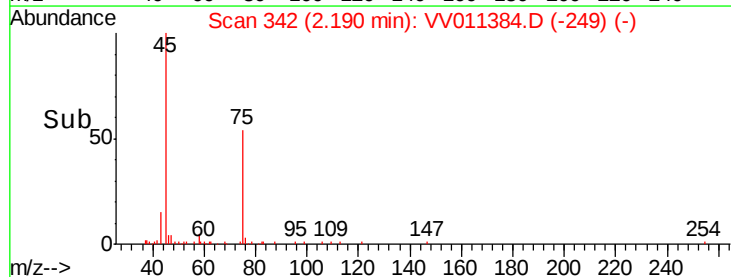
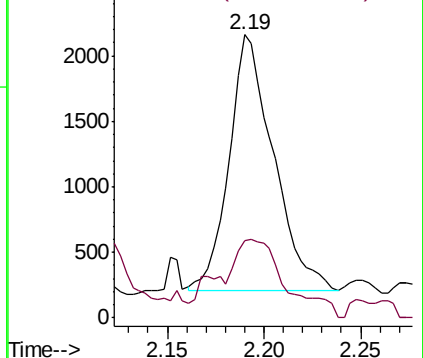
43 100

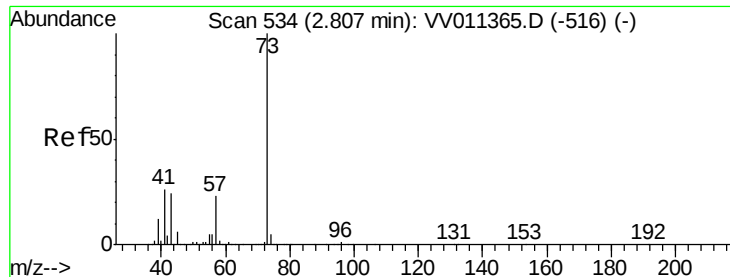
58 35.4 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011365.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV011365.D (-331) (-)





#17

Methyl tert-butyl Ether

Concen: 0.230 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV011384.D

Acq: 11 Jun 2019 09:18

Instrument :

MSVOA_V

ClientSampled :

BFCP1

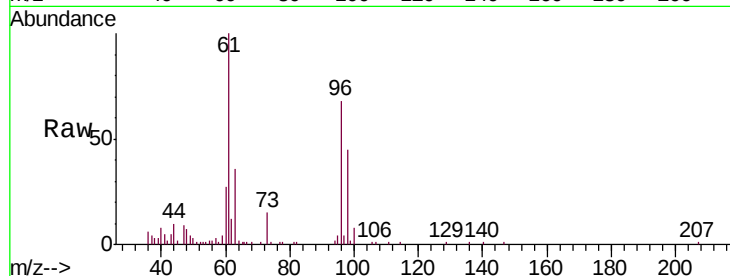
Tgt Ion: 73 Resp: 5600

Ion Ratio Lower Upper

73 100

43 28.5 18.7 28.1#

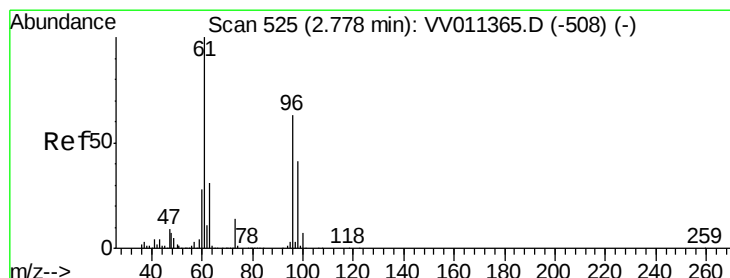
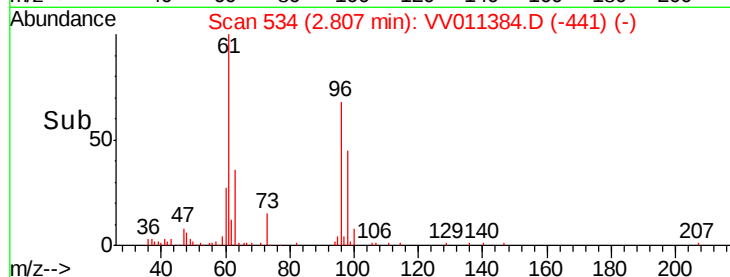
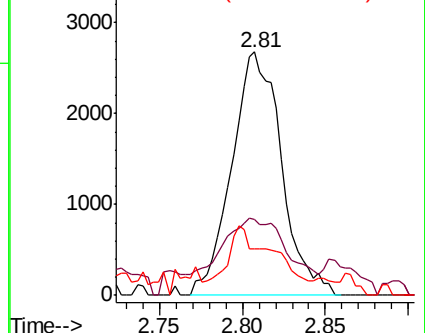
57 27.8 18.1 27.1#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 50.196 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV011384.D

Acq: 11 Jun 2019 09:18

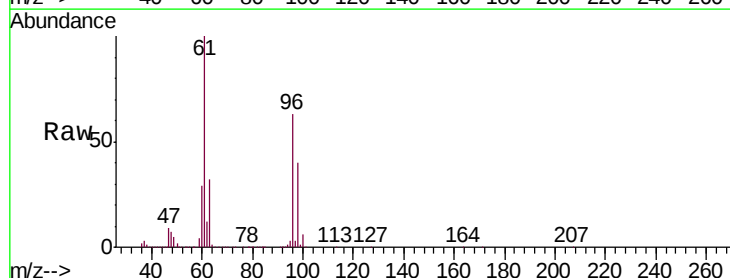
Tgt Ion: 96 Resp: 511868

Ion Ratio Lower Upper

96 100

61 157.8 104.0 193.2

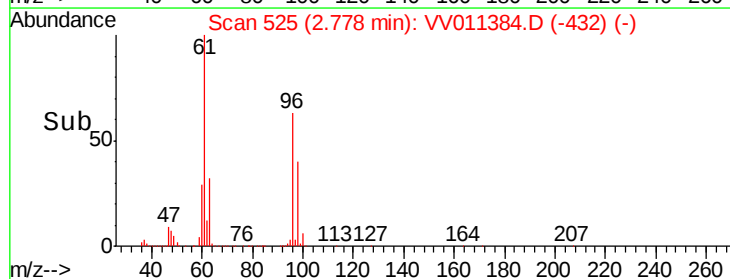
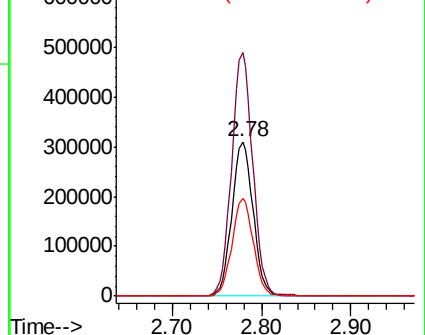
98 63.3 45.7 84.9

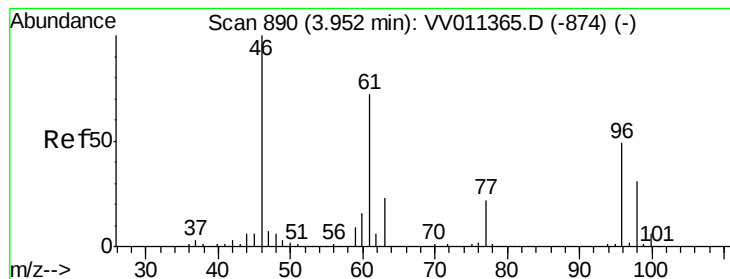


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



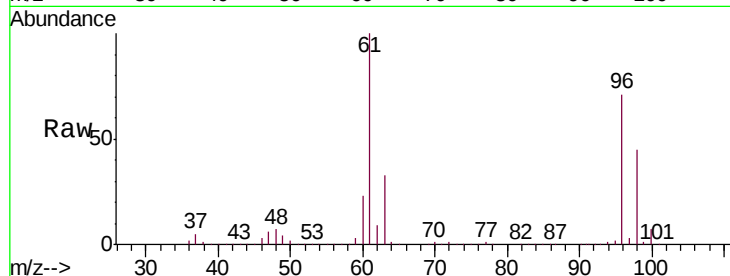


#22

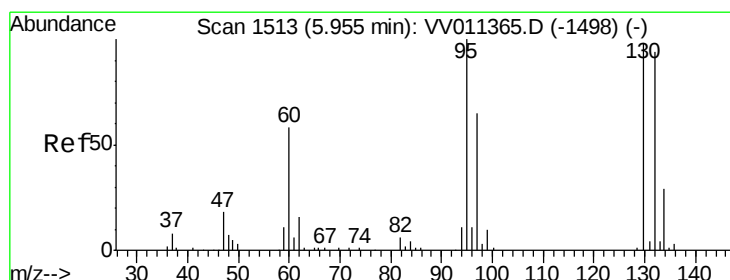
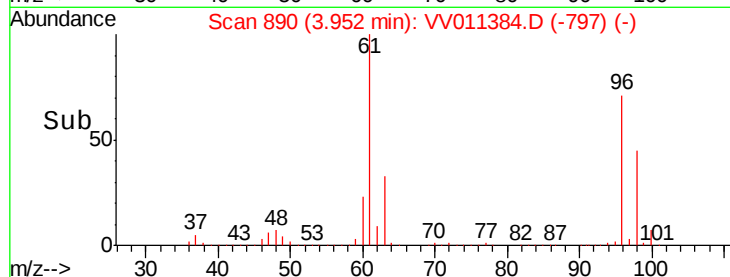
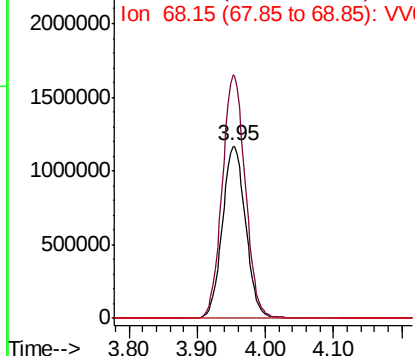
cis-1,2-Dichloroethene
Concen: 245.038 ug/L
RT: 3.95 min Scan# 890
Delta R.T. 0.00 min
Lab File: VV011384.D
Acq: 11 Jun 2019 09:18

Instrument :
MSVOA_V
ClientSampleId :
BFCP1

Tgt Ion: 96 Resp: 2767258
Ion Ratio Lower Upper
96 100
61 141.2 100.8 187.2
68 0.0 0.0 0.0



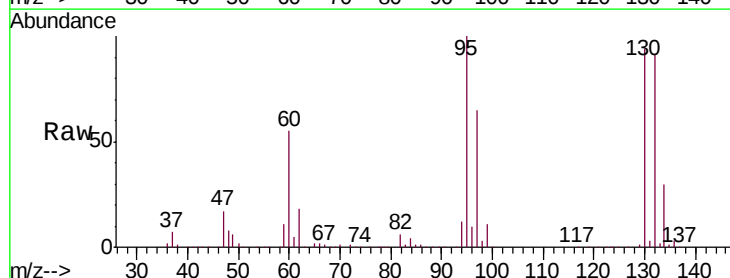
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



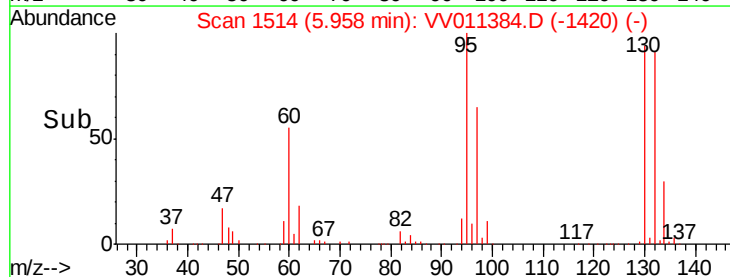
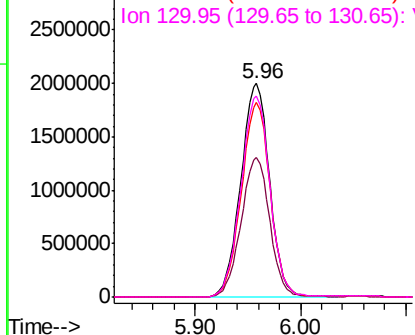
#34

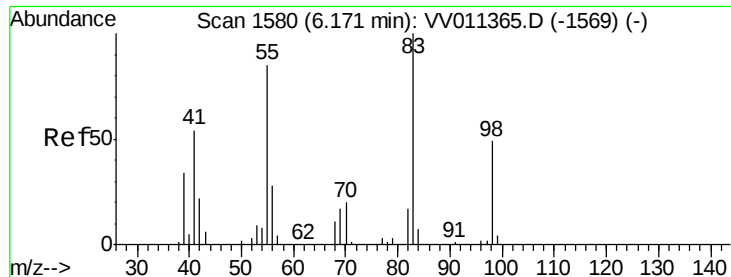
Trichloroethene
Concen: 340.590 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV011384.D
Acq: 11 Jun 2019 09:18

Tgt Ion: 95 Resp: 3806864
Ion Ratio Lower Upper
95 100
97 65.3 45.8 85.2
132 91.0 66.4 123.2
130 94.4 68.3 126.8



Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 96.95 (96.65 to 97.65): VV0
Ion 131.95 (131.65 to 132.65): VV0
Ion 129.95 (129.65 to 130.65): VV0

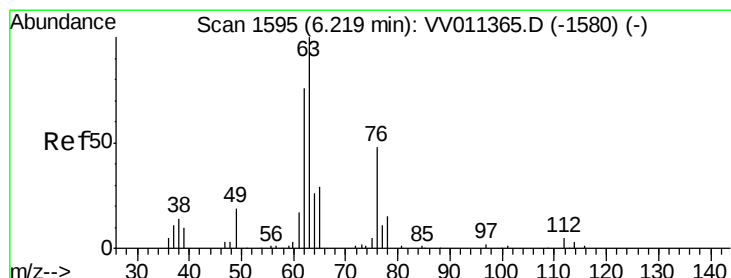
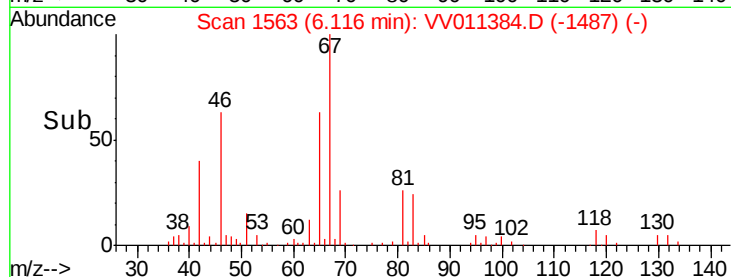
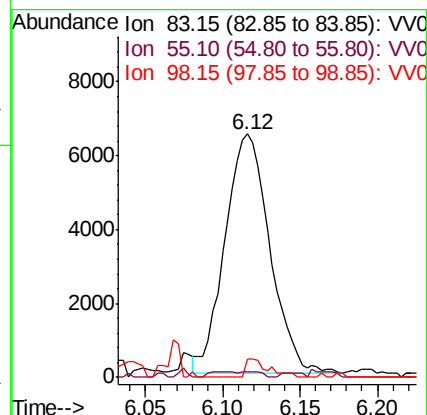
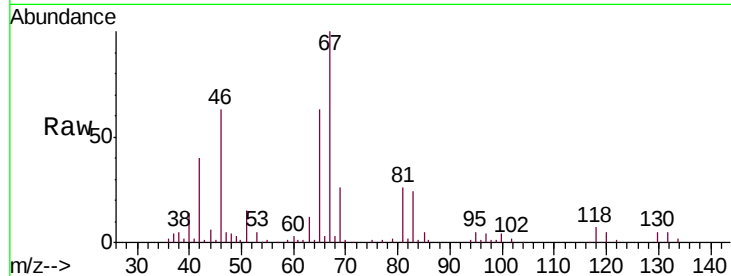




#35
Methylcyclohexane
Concen: 0.706 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011384.D
Acq: 11 Jun 2019 09:18

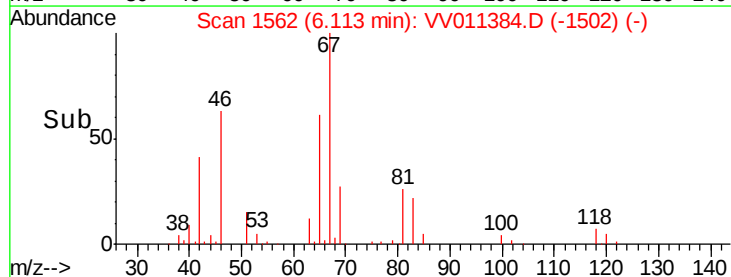
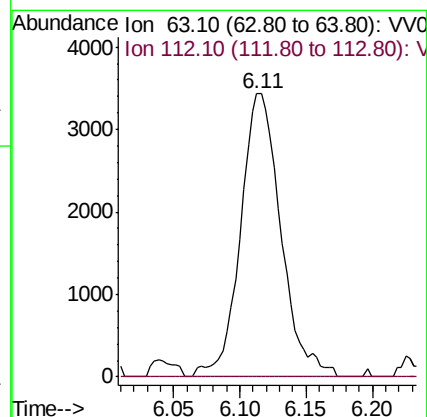
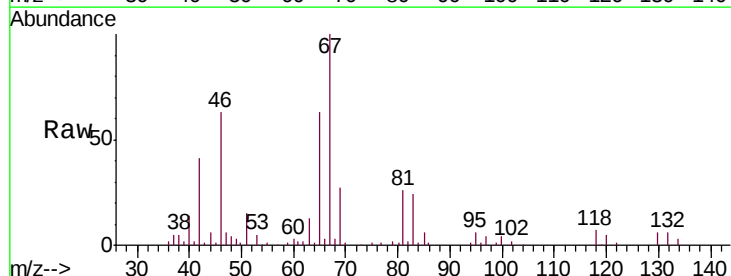
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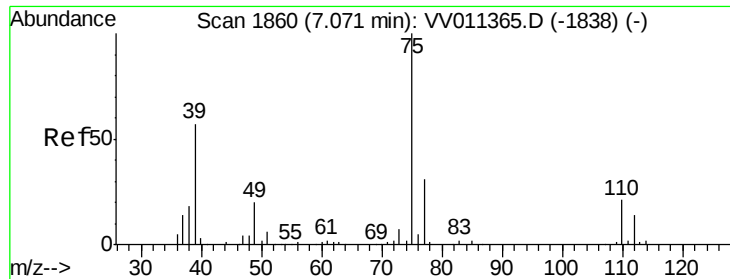
Tgt Ion: 83 Resp: 13047
Ion Ratio Lower Upper
83 100
55 1.1 67.0 100.6#
98 0.0 40.0 60.0#



#37
1,2-Dichloropropane
Concen: 0.676 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV011384.D
Acq: 11 Jun 2019 09:18

Tgt Ion: 63 Resp: 7276
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

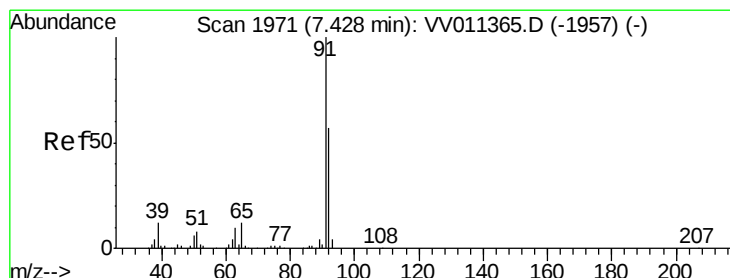
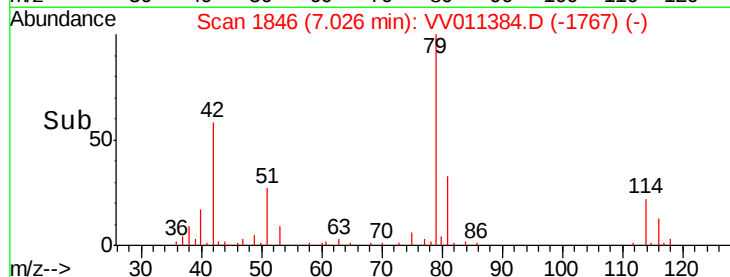
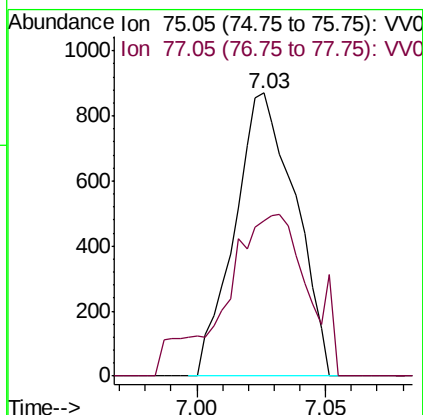
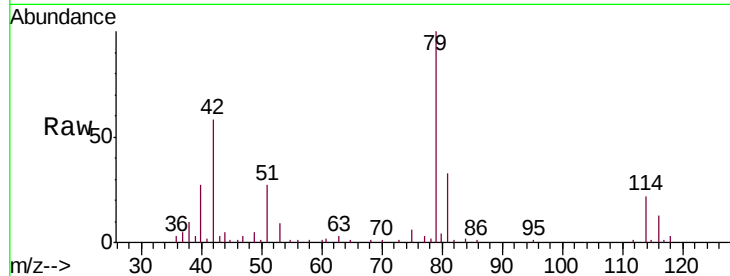




#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011384.D
 Acq: 11 Jun 2019 09:18

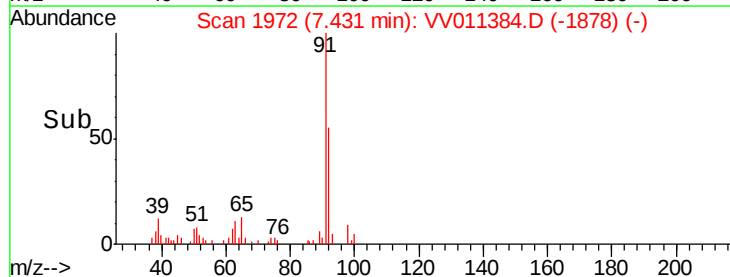
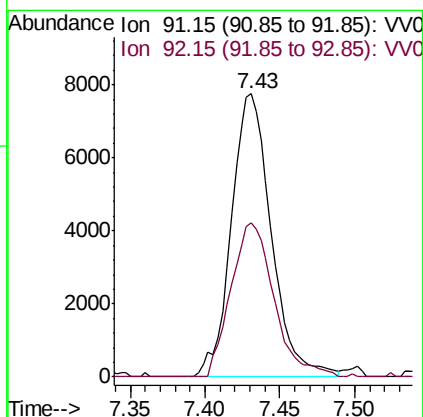
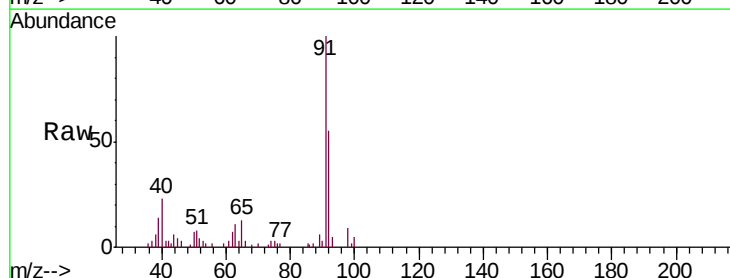
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCP1

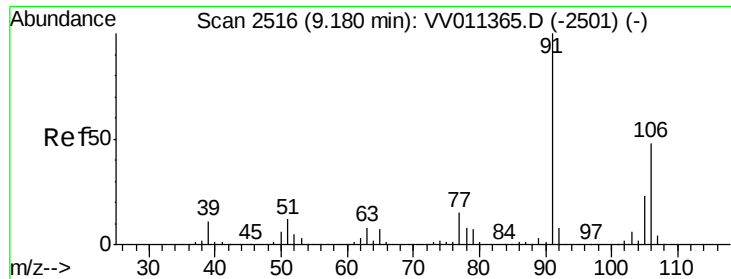
Tgt Ion: 75 Resp: 1431
 Ion Ratio Lower Upper
 75 100
 77 54.9 22.2 41.2#



#42
 Toluene
 Concen: 0.313 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV011384.D
 Acq: 11 Jun 2019 09:18

Tgt Ion: 91 Resp: 14423
 Ion Ratio Lower Upper
 91 100
 92 54.6 39.9 74.1





#53

m,p-xylene

Concen: 0.169 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV011384.D

Acq: 11 Jun 2019 09:18

Instrument :
MSVOA_V
ClientSampleId :
BFCP1

Tgt Ion:106 Resp: 3203

Ion Ratio Lower Upper

106 100

91 158.0 145.5 270.3

