

Data File : VV011363.D
Acq On : 10 Jun 2019 21:18
Operator : SY/MD
Sample : K3226-04
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCP3

Quant Time: Jun 11 01:37:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 11 01:32:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	150072	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	138339	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	56878	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39847	3.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.00%
7) Chloroethane-d5	1.56	69	35314	3.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.80%
11) 1,1-Dichloroethene-d2	2.12	63	80228	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.95	46	124605	48.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.34%
24) Chloroform-d	4.40	84	85923	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.08	65	49152	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.09	84	164632	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	6.12	67	52469	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	7.36	98	141345	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.40%
43) trans-1,3-Dichloropropene-	7.66	79	15223	3.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.60%
46) 2-Hexanone-d5	8.14	63	94660	46.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.22%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	37560	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	48815	4.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.00%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1701	0.119 ug/L #	82
5) Vinyl chloride	1.32	62	80980	5.865 ug/L	96
6) Bromomethane	1.51	94	1160	0.161 ug/L	74
8) Chloroethane	1.52	64	899	0.102 ug/L #	78
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	804	0.083 ug/L #	30
12) 1,1-Dichloroethene	2.13	96	26000	2.750 ug/L #	81
13) Acetone	2.20	43	3752	2.186 ug/L	85
17) Methyl tert-butyl Ether	2.81	73	112179	4.444 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	61790	5.837 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	1282716	109.410 ug/L #	97
34) Trichloroethene	5.96	95	7497034	659.254 ug/L	96
35) Methylcyclohexane	6.12	83	13028	0.693 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	6831	0.624 ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1490	0.093 ug/L #	74
44) trans-1,3-Dichloropropene	7.66	75	1055	0.087 ug/L #	78
47) Tetrachloroethene	8.02	164	5230	0.636 ug/L	96
48) 2-Hexanone	8.13	43	13283	2.730 ug/L #	72

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

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QLast Update : Tue Jun 11 01:32:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	4943	0.620	ug/L #	11
-----	-----	-----	-----	-----	-----	-----

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

Data File : VV011363.D

Acq On : 10 Jun 2019 21:18

Operator : SY/MD

Sample : K3226-04

Misc : 25ML/MSVOA V/WATER

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BFCP3

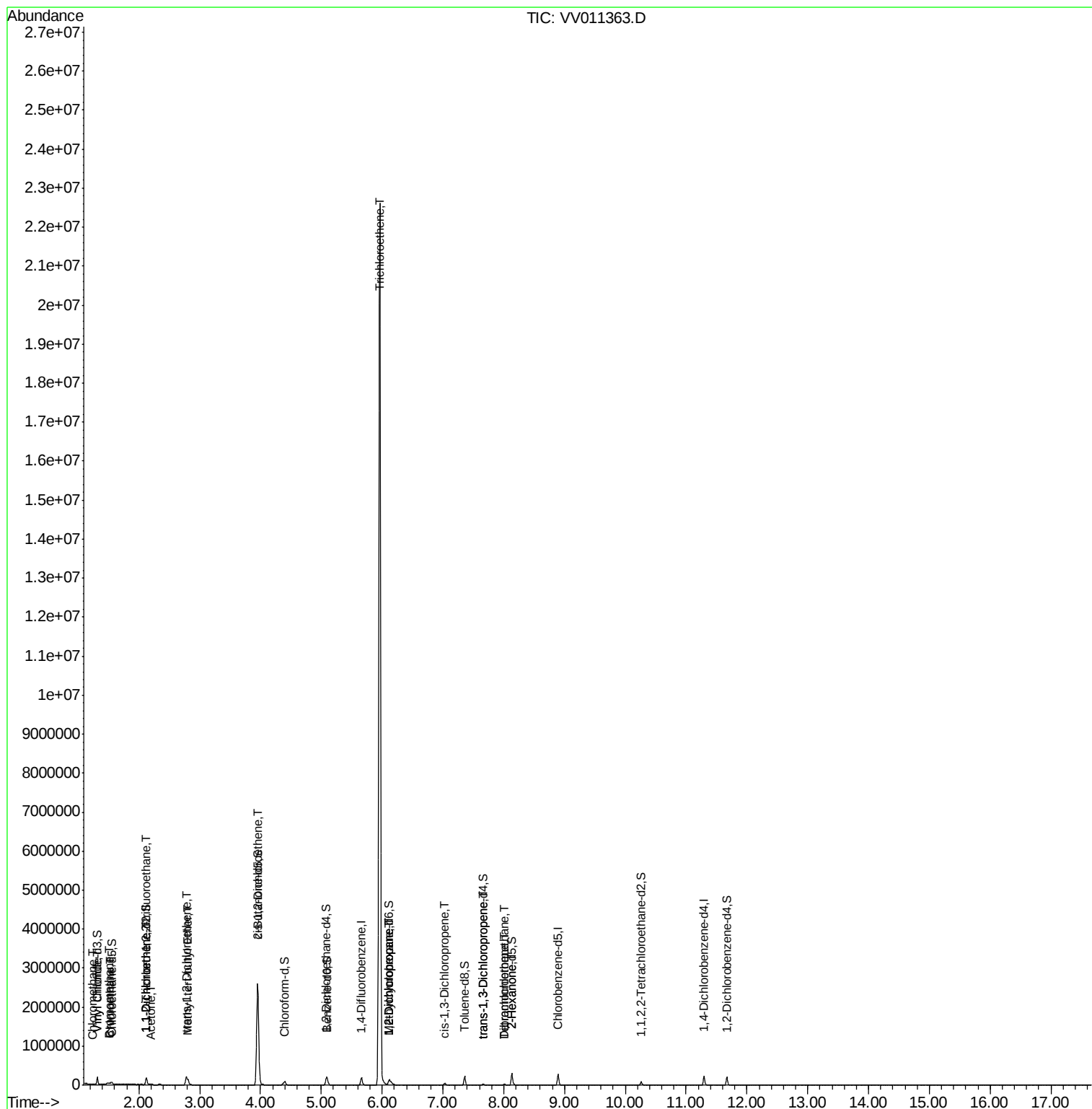
Quant Time: Jun 11 01:37:56 2019

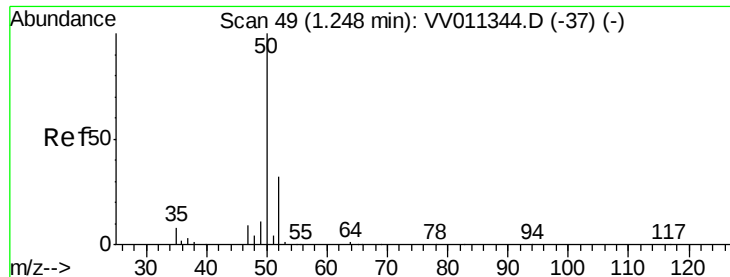
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jun 11 01:32:35 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.119 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

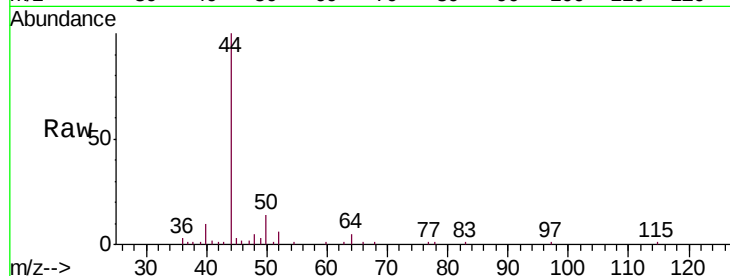
BFCP3

Tgt Ion: 50 Resp: 1701

Ion Ratio Lower Upper

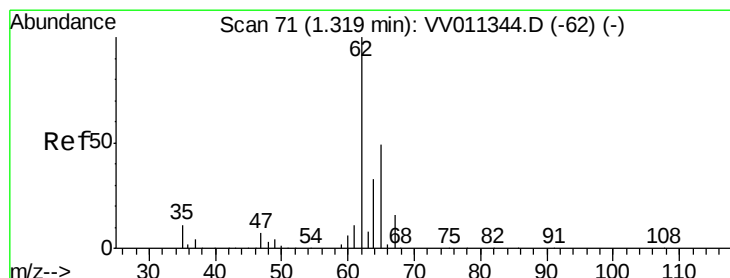
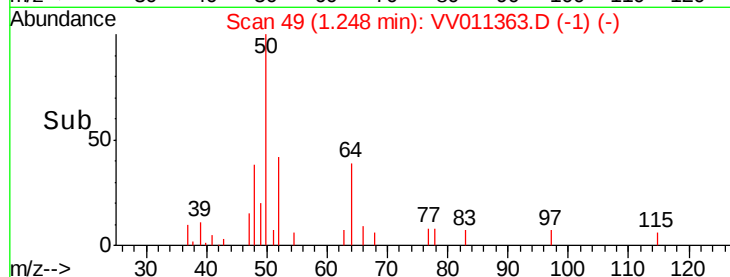
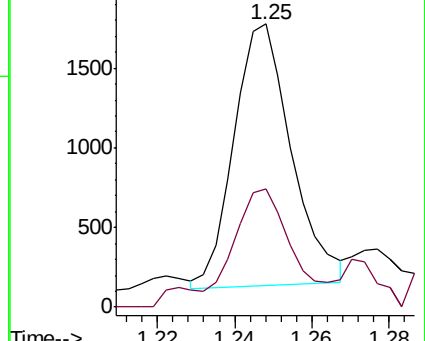
50 100

52 41.9 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VV011344.D (-37) (-)

Ion 52.05 (51.75 to 52.75): VV011344.D (-37) (-)



#5

Vinyl chloride

Concen: 5.865 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011363.D

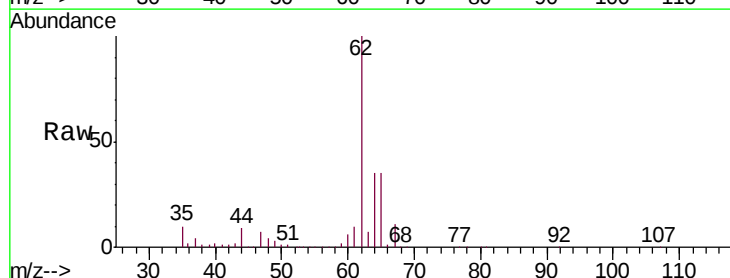
Acq: 10 Jun 2019 21:18

Tgt Ion: 62 Resp: 80980

Ion Ratio Lower Upper

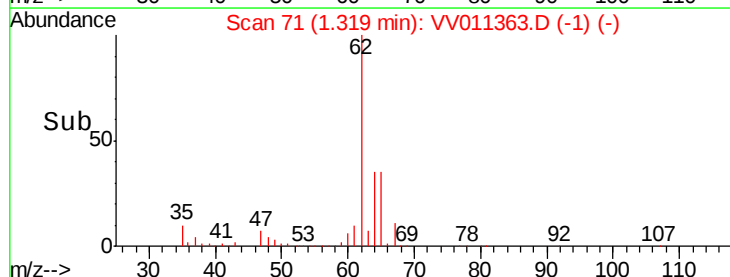
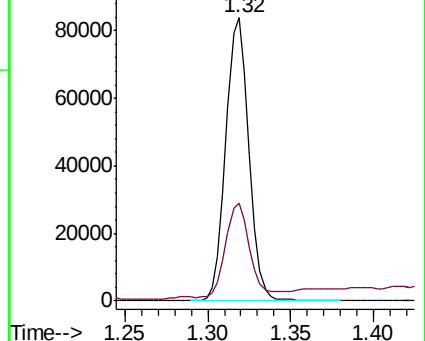
62 100

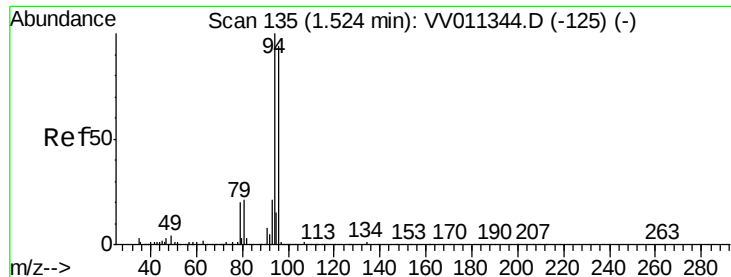
64 34.6 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV011344.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV011344.D (-62) (-)





#6

Bromomethane

Concen: 0.161 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

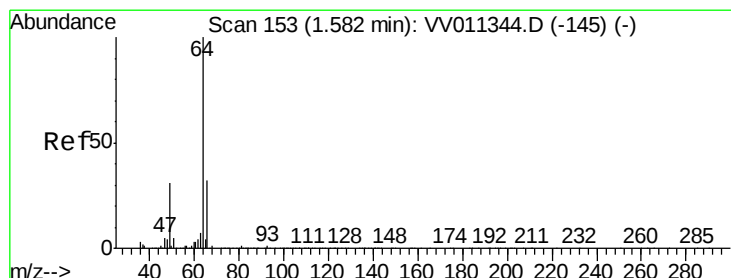
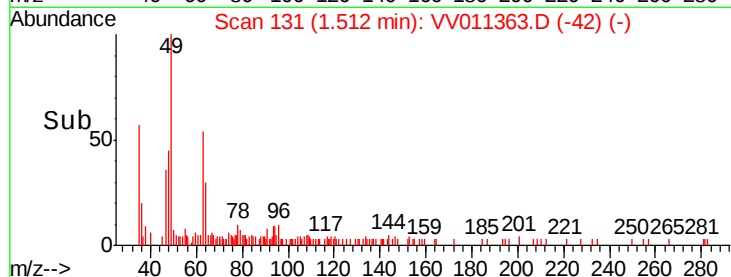
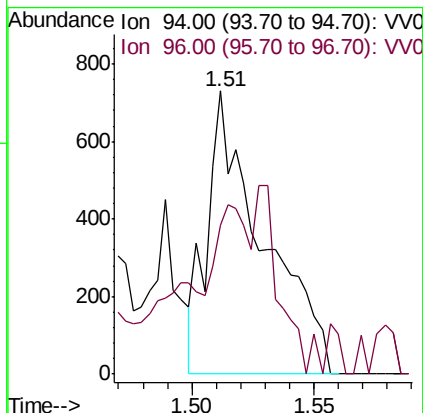
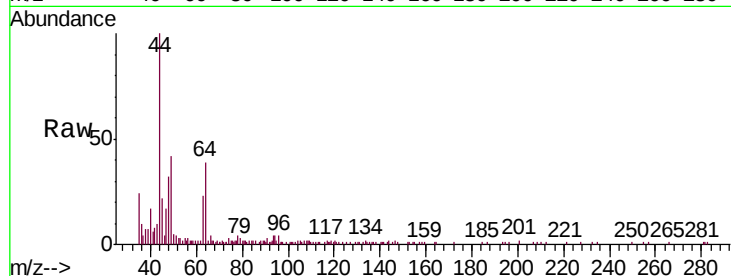
BFCP3

Tgt Ion: 94 Resp: 1160

Ion Ratio Lower Upper

94 100

96 70.3 67.0 124.4



#8

Chloroethane

Concen: 0.102 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.06 min

Lab File: VV011363.D

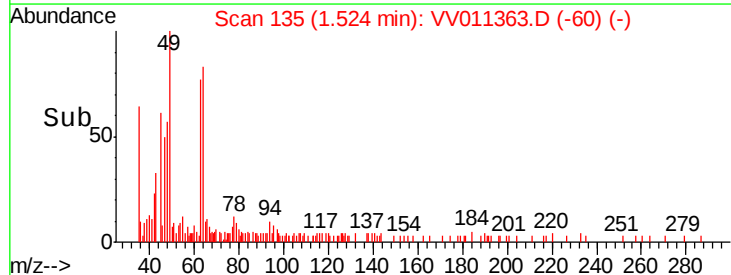
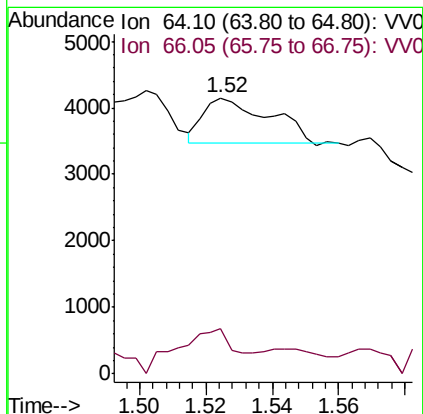
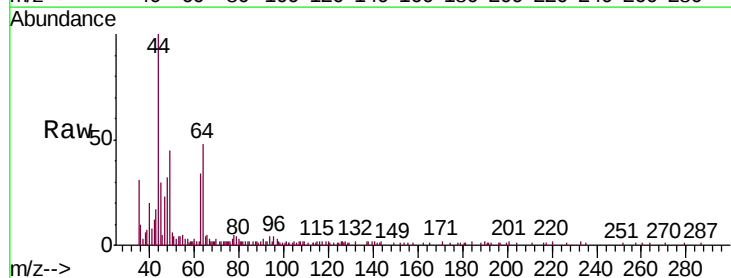
Acq: 10 Jun 2019 21:18

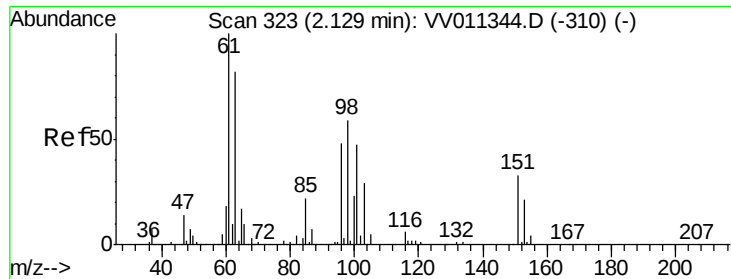
Tgt Ion: 64 Resp: 899

Ion Ratio Lower Upper

64 100

66 16.2 19.4 36.0#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.083 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampled :

BFCP3

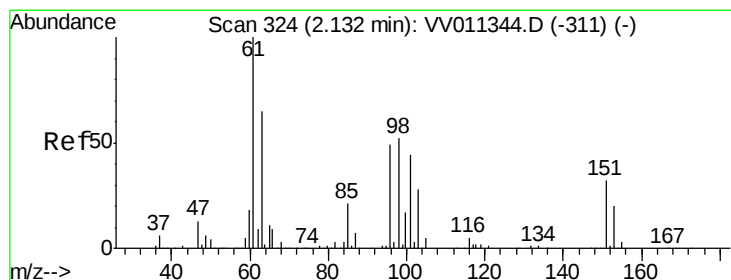
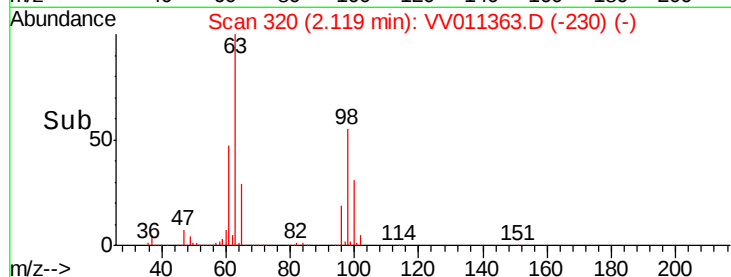
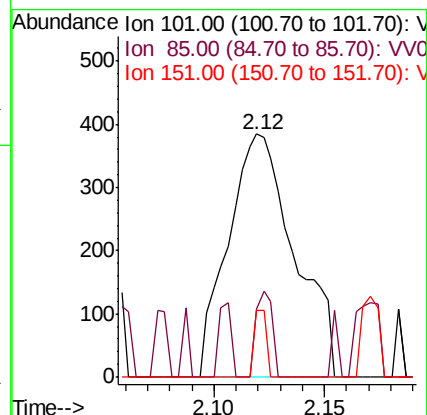
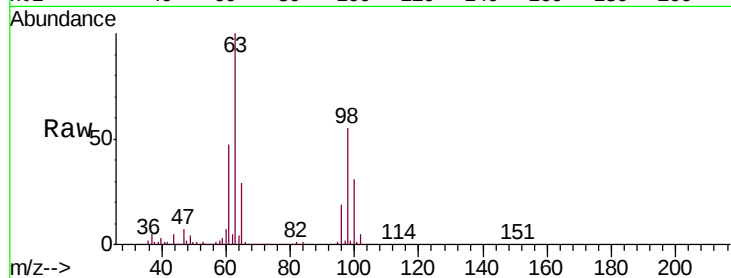
Tgt Ion: 101 Resp: 804

Ion Ratio Lower Upper

101 100

85 8.7 35.5 53.3#

151 5.1 56.9 85.3#



#12

1,1-Dichloroethene

Concen: 2.750 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

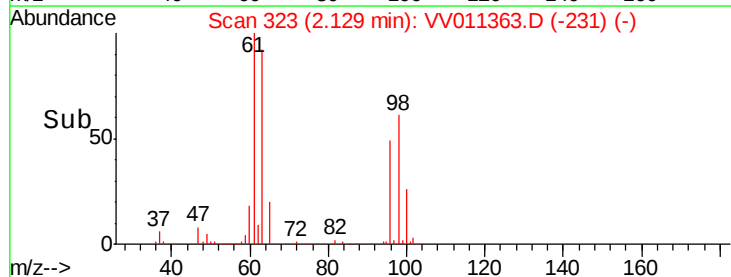
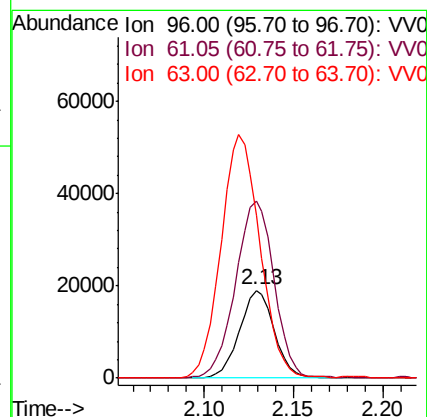
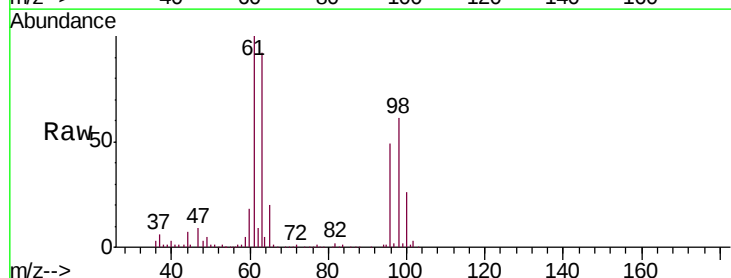
Tgt Ion: 96 Resp: 26000

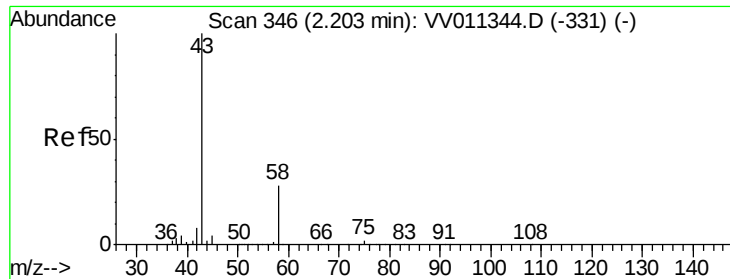
Ion Ratio Lower Upper

96 100

61 202.6 139.8 259.6

63 186.5 94.3 175.1#





#13

Acetone

Concen: 2.186 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

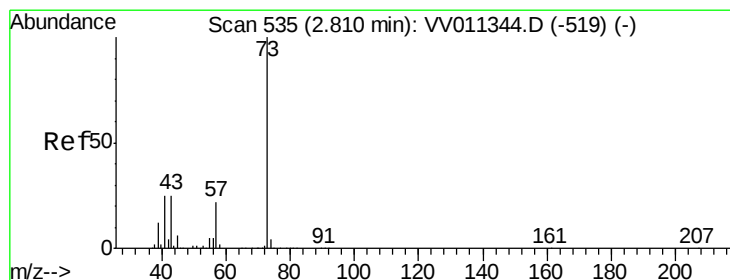
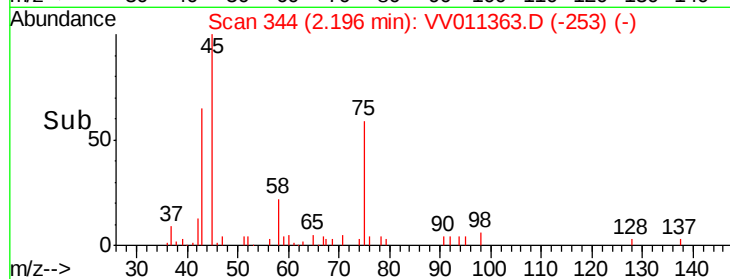
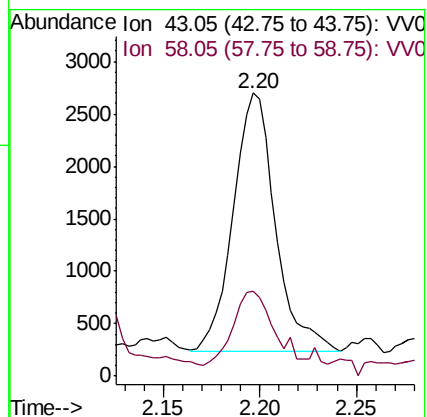
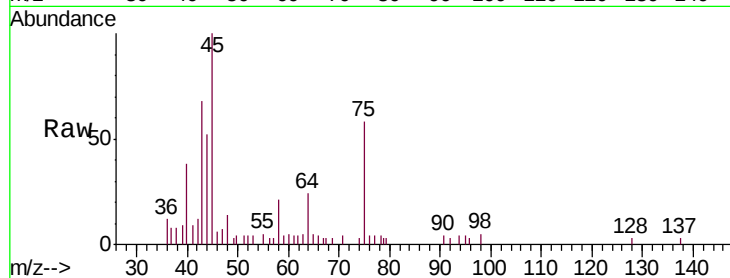
BFCP3

Tgt Ion: 43 Resp: 3752

Ion Ratio Lower Upper

43 100

58 35.6 0.0 55.2



#17

Methyl tert-butyl Ether

Concen: 4.444 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

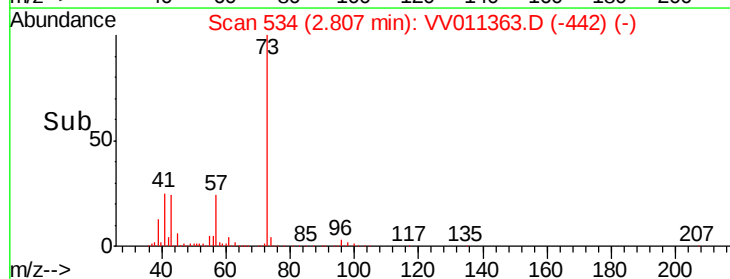
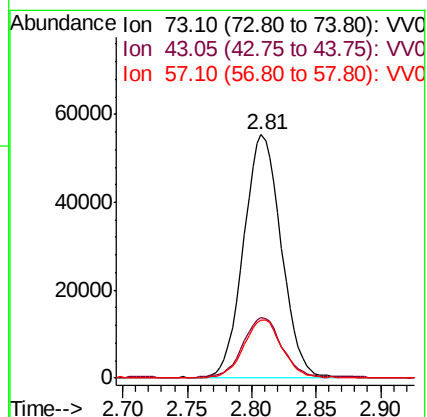
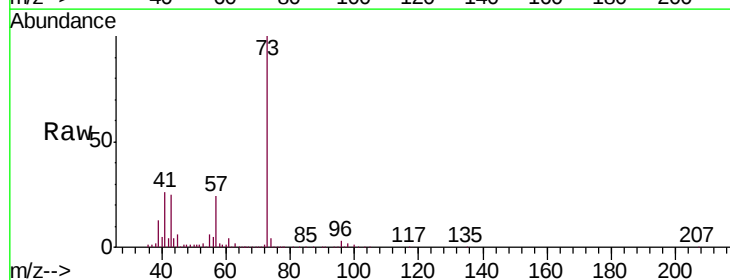
Tgt Ion: 73 Resp: 112179

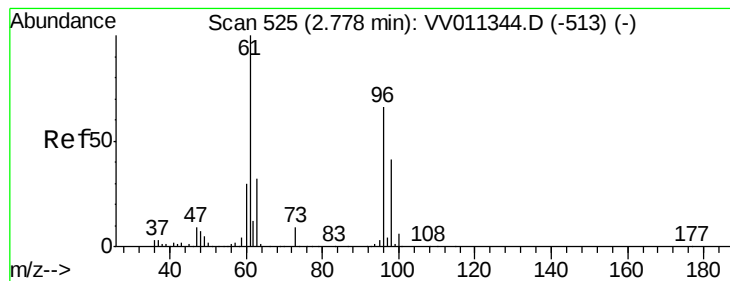
Ion Ratio Lower Upper

73 100

43 25.1 18.7 28.1

57 23.7 18.1 27.1





#18

trans-1,2-Dichloroethene

Concen: 5.837 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

BFCP3

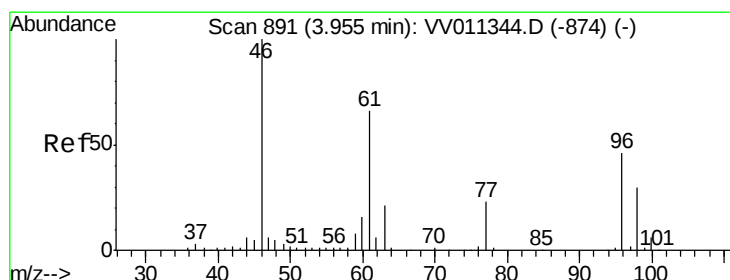
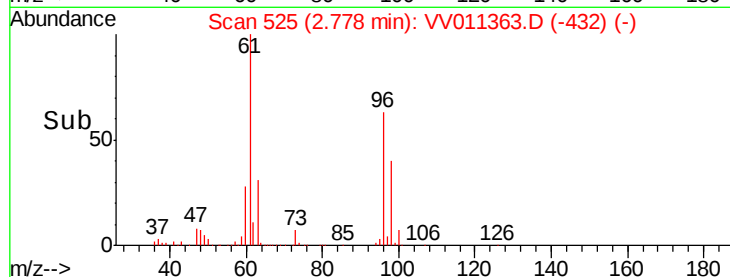
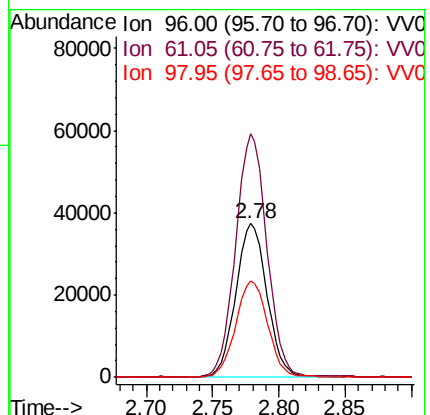
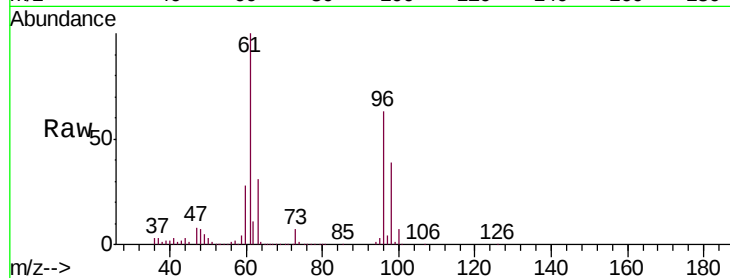
Tgt Ion: 96 Resp: 61790

Ion Ratio Lower Upper

96 100

61 158.4 104.0 193.2

98 62.5 45.7 84.9



#22

cis-1,2-Dichloroethene

Concen: 109.410 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

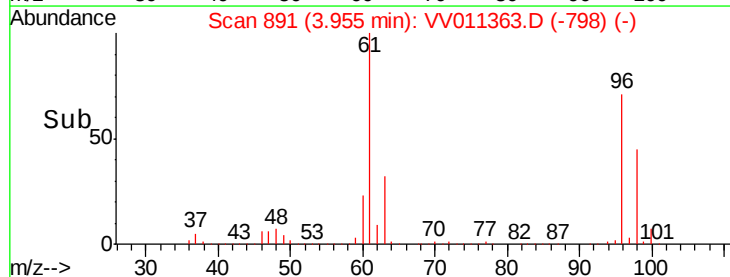
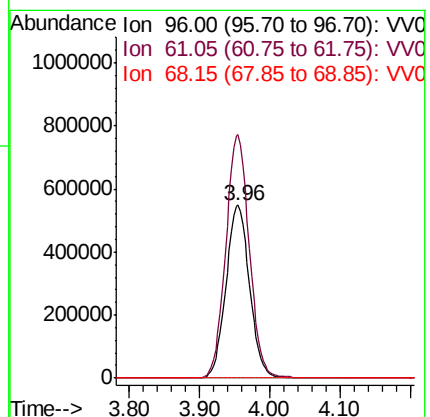
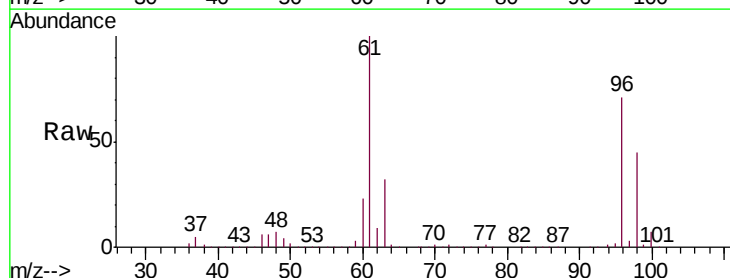
Tgt Ion: 96 Resp: 1282716

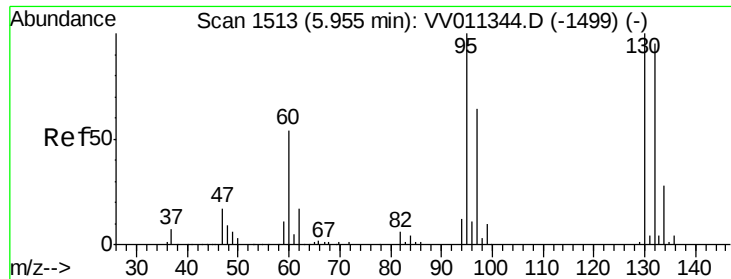
Ion Ratio Lower Upper

96 100

61 140.7 100.8 187.2

68 0.0 0.0 0.0#





#34

Trichloroethene

Concen: 659.254 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

BFCP3

Tgt Ion: 95 Resp: 7497034

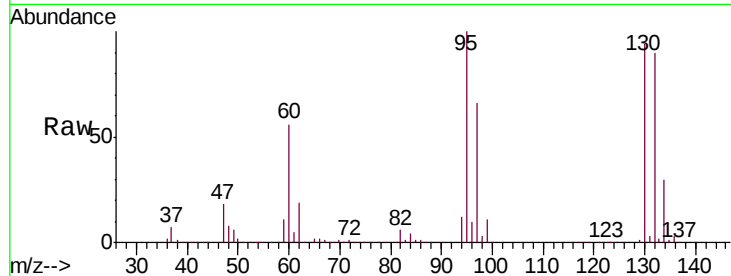
Ion Ratio Lower Upper

95 100

97 66.5 45.8 85.2

132 89.8 66.4 123.2

130 93.5 68.3 126.8

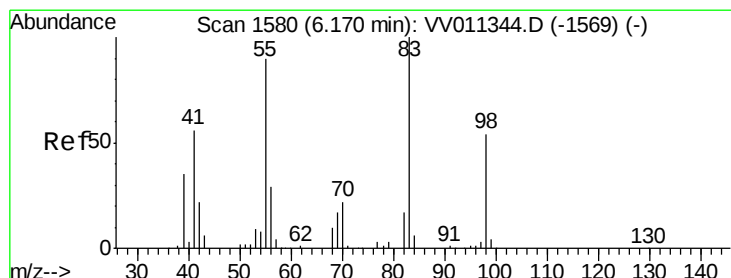
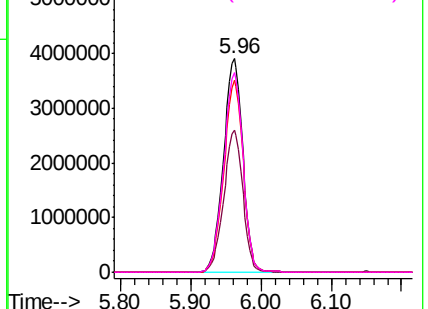
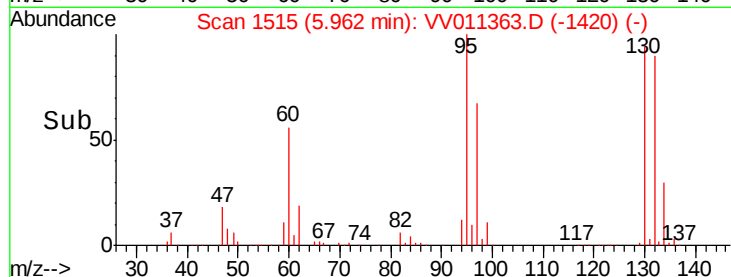


Abundance Ion 95.00 (94.70 to 95.70): VV011363.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV011363.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV011363.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV011363.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.693 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

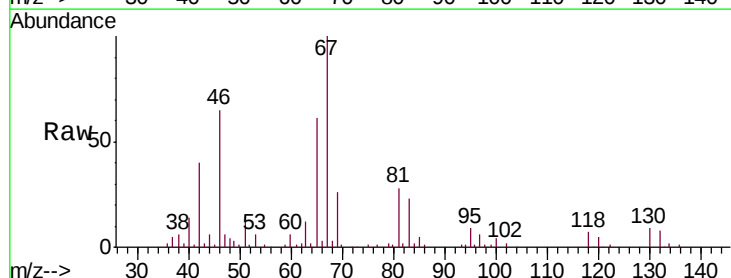
Tgt Ion: 83 Resp: 13028

Ion Ratio Lower Upper

83 100

55 1.3 67.0 100.6#

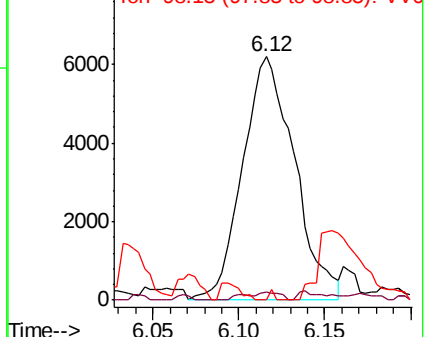
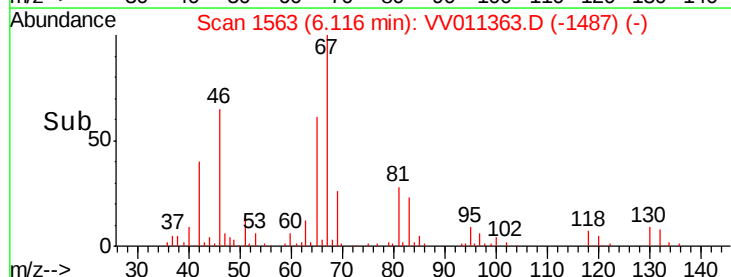
98 0.0 40.0 60.0#

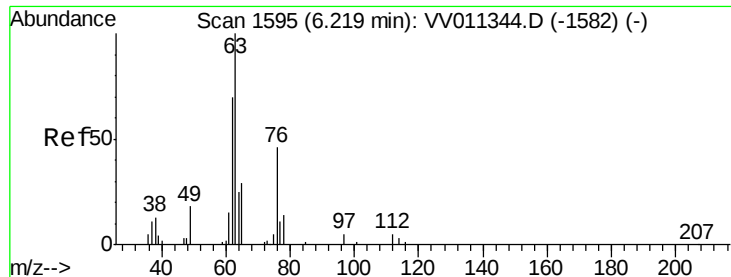


Abundance Ion 83.15 (82.85 to 83.85): VV011363.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV011363.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV011363.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 0.624 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampleId :

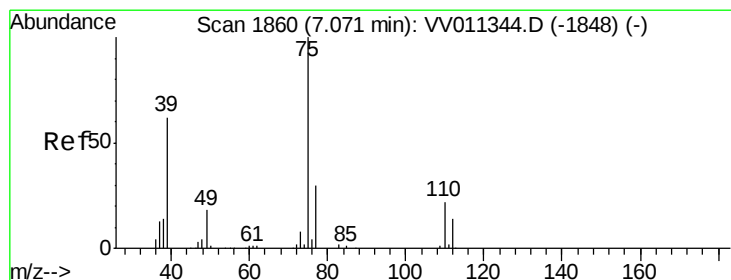
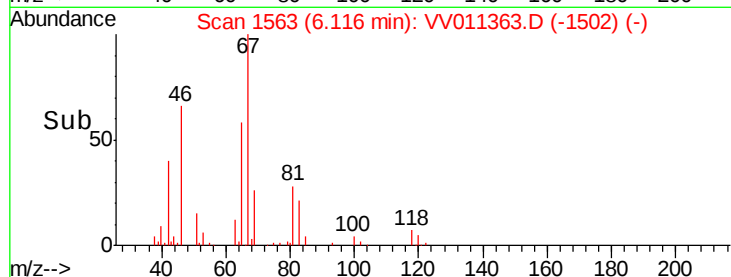
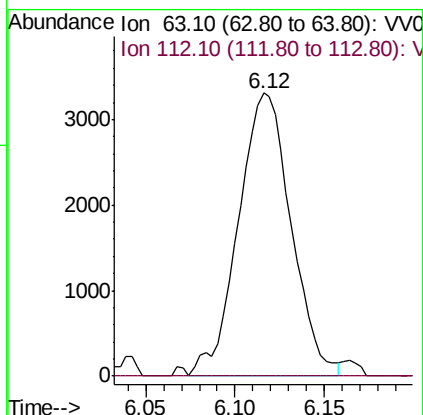
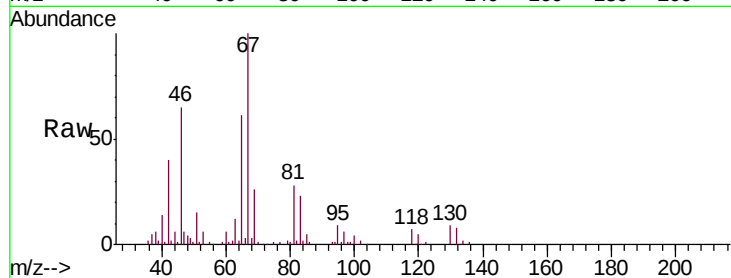
BFCP3

Tgt Ion: 63 Resp: 6831

Ion Ratio Lower Upper

63 100

112 1.0 3.6 5.4#



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV011363.D

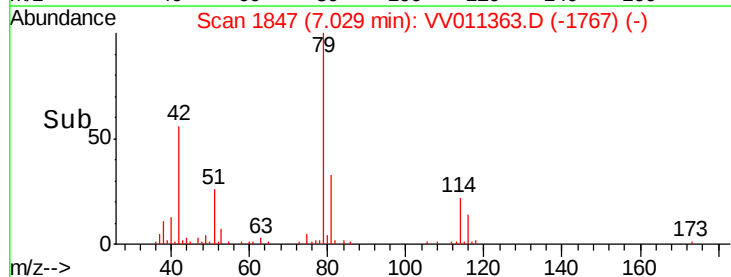
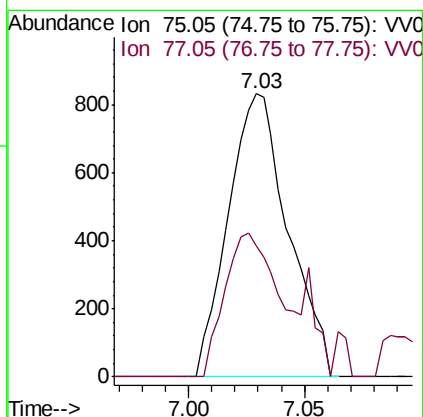
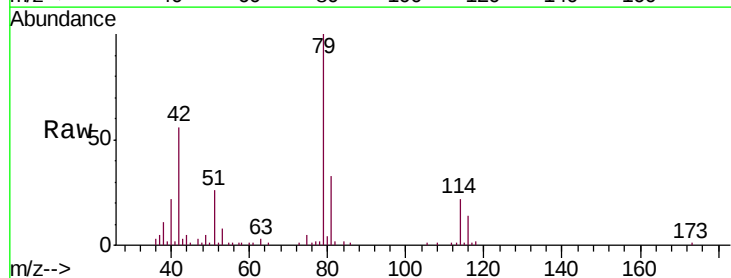
Acq: 10 Jun 2019 21:18

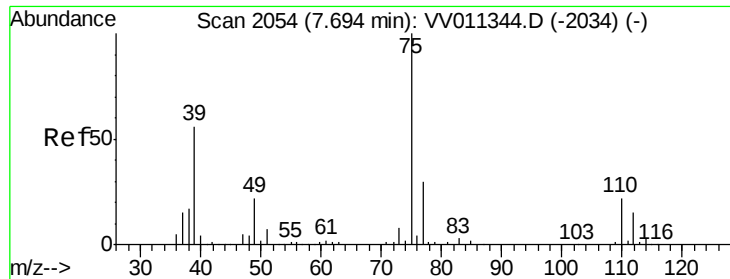
Tgt Ion: 75 Resp: 1490

Ion Ratio Lower Upper

75 100

77 46.4 22.2 41.2#





#44

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.04 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Instrument :

MSVOA_V

ClientSampled :

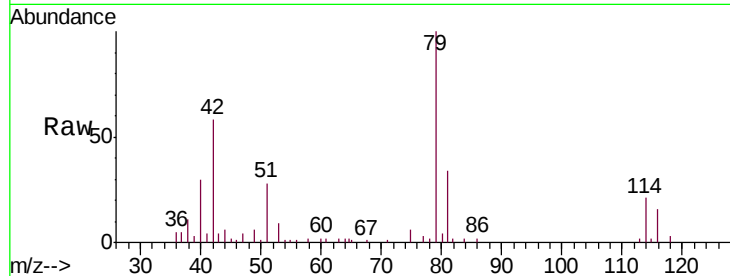
BFCP3

Tgt Ion: 75 Resp: 1055

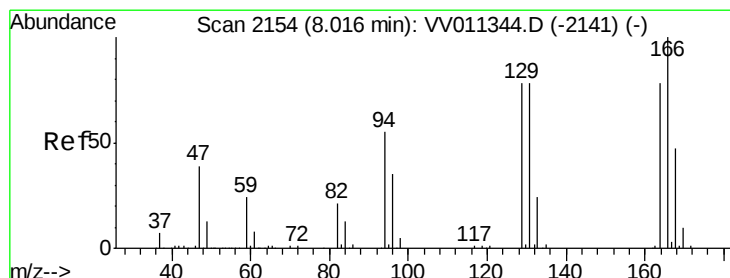
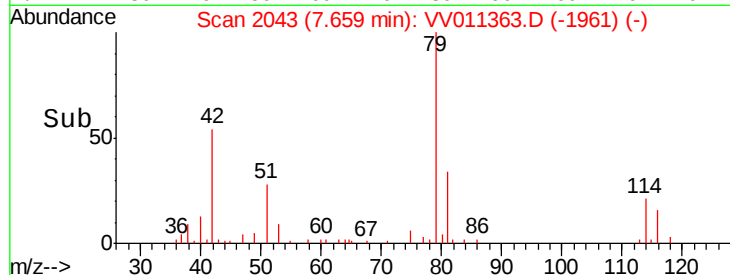
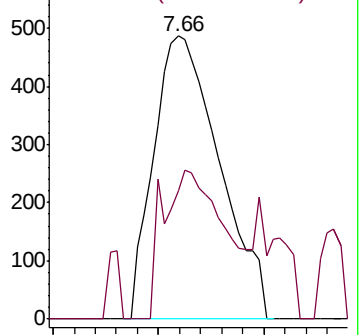
Ion Ratio Lower Upper

75 100

77 45.2 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VV011344.D (-2034) (-)



#47

Tetrachloroethene

Concen: 0.636 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV011363.D

Acq: 10 Jun 2019 21:18

Tgt Ion: 164 Resp: 5230

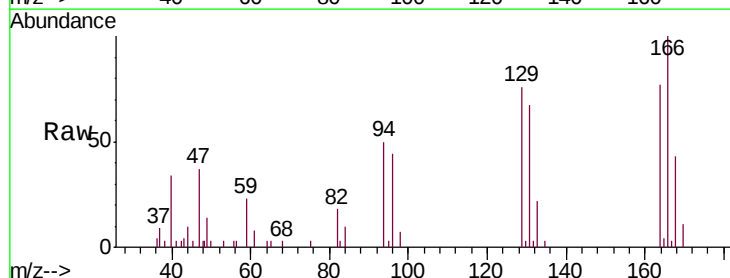
Ion Ratio Lower Upper

164 100

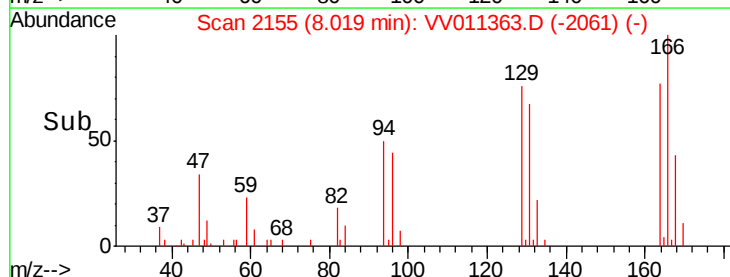
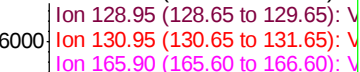
129 98.0 69.9 129.9

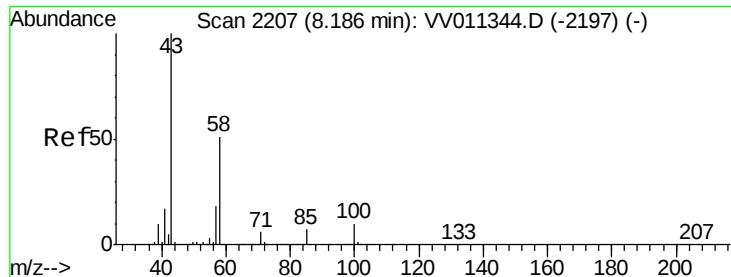
131 86.5 66.8 124.2

166 129.7 90.2 167.6



Abundance Ion 163.90 (163.60 to 164.60): VV011344.D (-2141) (-)

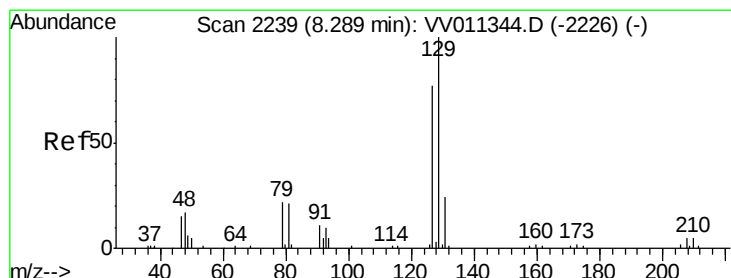
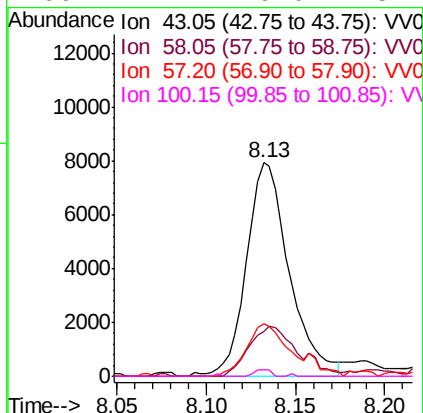
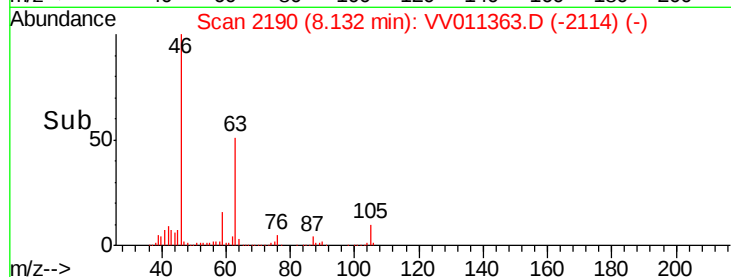
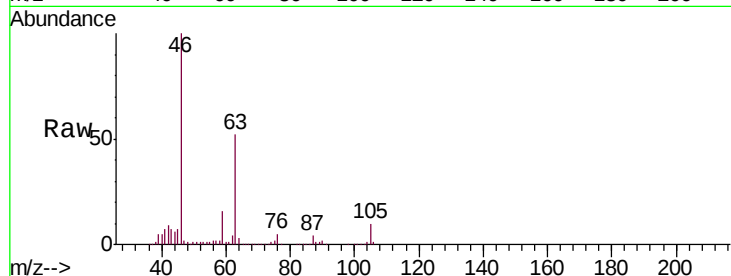




#48
2-Hexanone
Concen: 2.730 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV011363.D
Acq: 10 Jun 2019 21:18

Instrument :
MSVOA_V
ClientSampleId :
BFCP3

Tgt Ion: 43 Resp: 13283
Ion Ratio Lower Upper
43 100
58 26.9 41.4 62.0#
57 22.9 15.0 22.4#
100 1.2 9.0 13.4#



#49
Dibromochloromethane
Concen: 0.620 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011363.D
Acq: 10 Jun 2019 21:18

Tgt Ion: 129 Resp: 4943
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#

