

Data File : VV011361.D
Acq On : 10 Jun 2019 20:21
Operator : SY/MD
Sample : K3226-11RE
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCT6

Quant Time: Jun 11 01:37:39 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	137661	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	127105	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	52338	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37565	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.56	69	34322	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	2.12	63	65020	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	3.95	46	122852	52.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.62%
24) Chloroform-d	4.40	84	83524	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.08	65	47170	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.09	84	164185	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.12	67	52106	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.36	98	139345	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	7.66	79	14507	3.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.00%
46) 2-Hexanone-d5	8.13	63	95611	50.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36122	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	48147	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1905	0.145 ug/L	86
5) Vinyl chloride	1.32	62	7089	0.560 ug/L #	72
6) Bromomethane	1.51	94	1561	0.237 ug/L	92
8) Chloroethane	1.32	64	4127	0.510 ug/L	94
12) 1,1-Dichloroethene	2.13	96	2872	0.331 ug/L #	1
13) Acetone	2.20	43	3764	2.391 ug/L	85
17) Methyl tert-butyl Ether	2.80	73	5298	0.229 ug/L #	76
18) trans-1,2-Dichloroethene	2.78	96	1316	0.136 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	23110	2.149 ug/L	92
34) Trichloroethene	5.95	95	316125	30.255 ug/L	99
35) Methylcyclohexane	6.11	83	12610	0.730 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	6509	0.647 ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	968	0.086 ug/L #	75
47) Tetrachloroethene	8.02	164	74057	9.807 ug/L	98
48) 2-Hexanone	8.13	43	13585	3.039 ug/L #	72
49) Dibromochloromethane	8.02	129	66756	9.120 ug/L #	12

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

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Response via : Initial Calibration

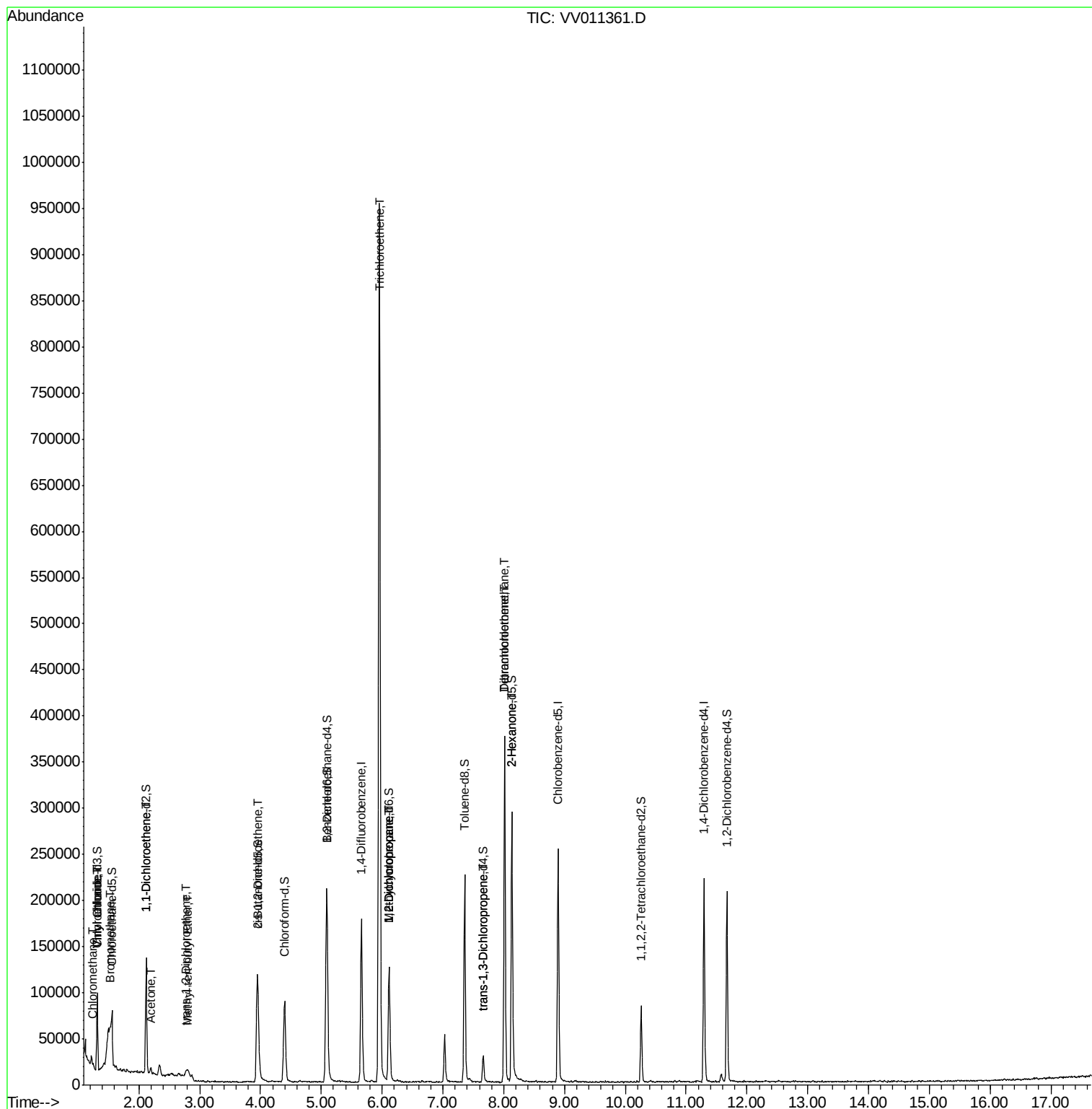
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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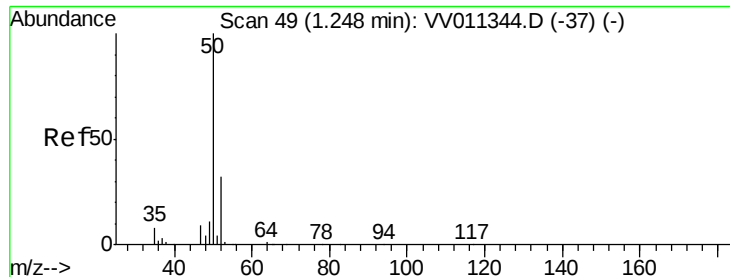
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 0.145 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011361.D

Acq: 10 Jun 2019 20:21

Instrument :

MSVOA_V

ClientSampleId :

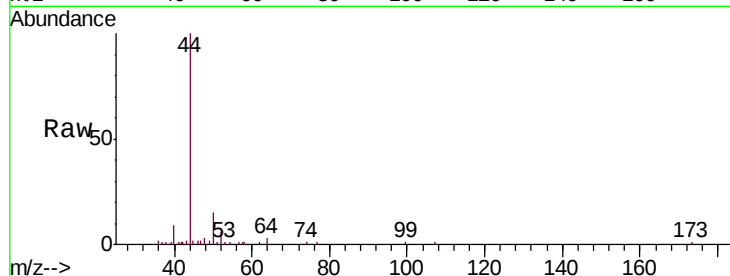
BFCT6

Tgt Ion: 50 Resp: 1905

Ion Ratio Lower Upper

50 100

52 40.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

2500

2000

1500

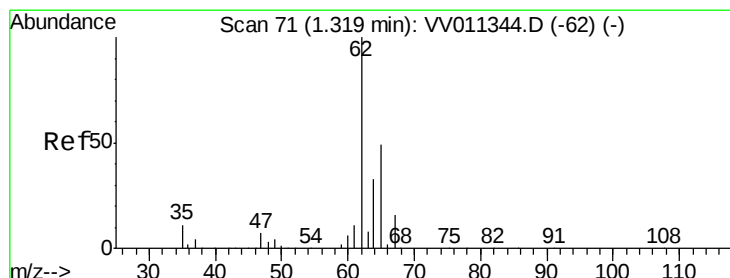
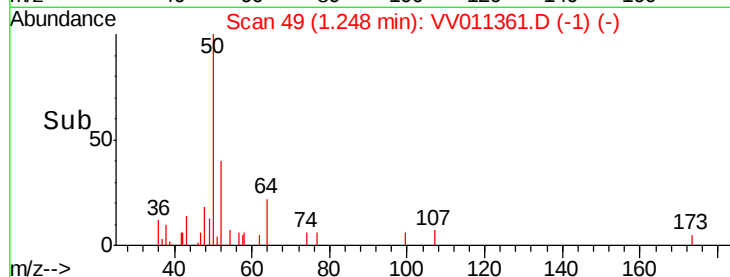
1000

500

0

1.22 1.24 1.26 1.28

Time-->



#5

Vinyl chloride

Concen: 0.560 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011361.D

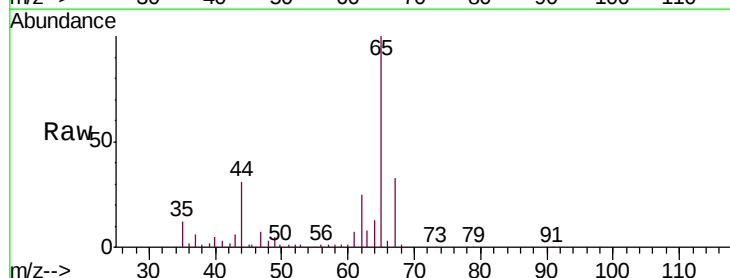
Acq: 10 Jun 2019 20:21

Tgt Ion: 62 Resp: 7089

Ion Ratio Lower Upper

62 100

64 53.5 25.9 48.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

8000

6000

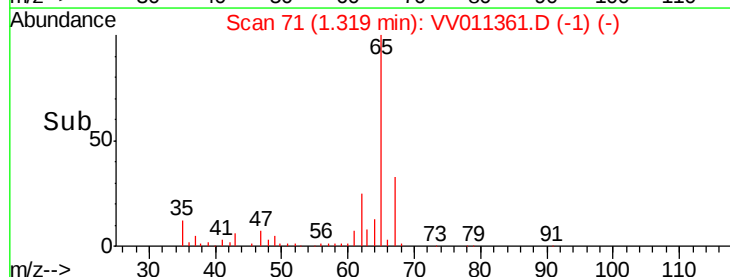
4000

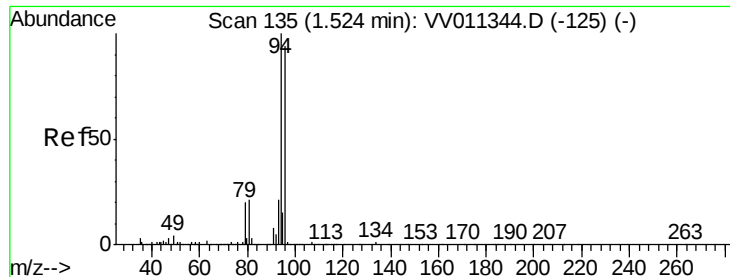
2000

0

1.30 1.35

Time-->





#6

Bromomethane

Concen: 0.237 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV011361.D

Acq: 10 Jun 2019 20:21

Instrument :

MSVOA_V

ClientSampled :

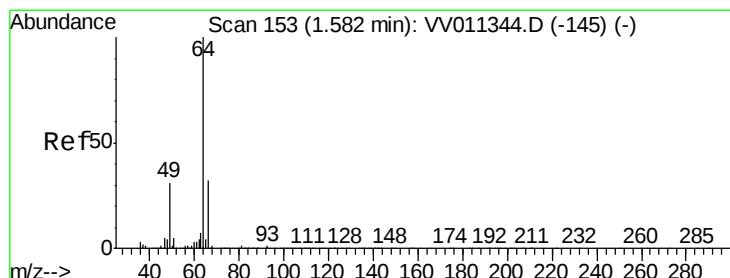
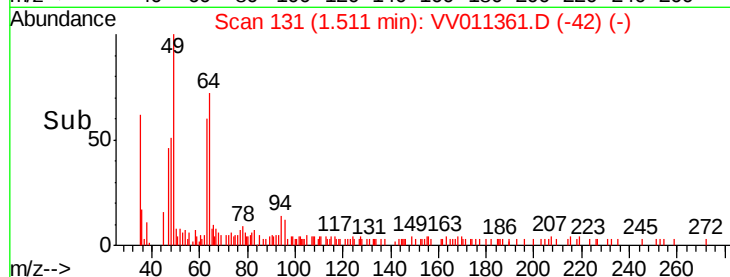
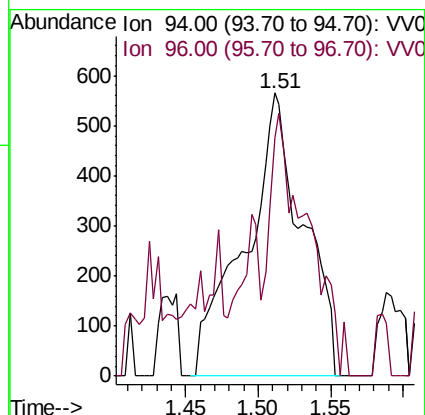
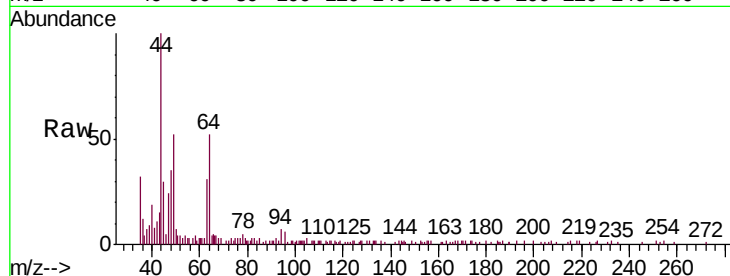
BFCT6

Tgt Ion: 94 Resp: 1561

Ion Ratio Lower Upper

94 100

96 103.9 67.0 124.4



#8

Chloroethane

Concen: 0.510 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.26 min

Lab File: VV011361.D

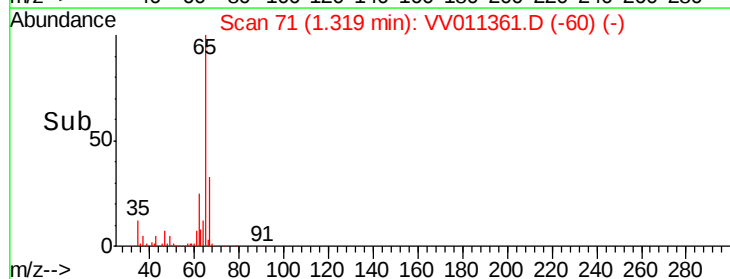
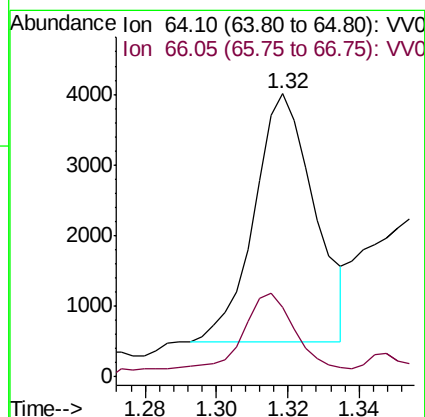
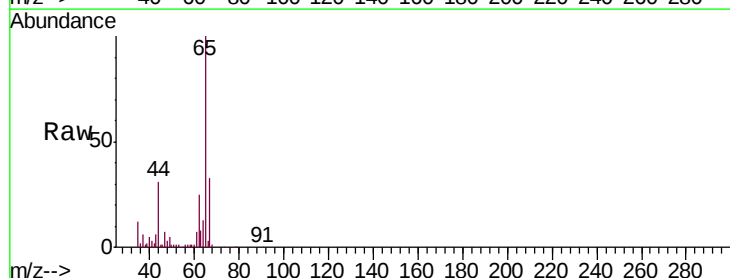
Acq: 10 Jun 2019 20:21

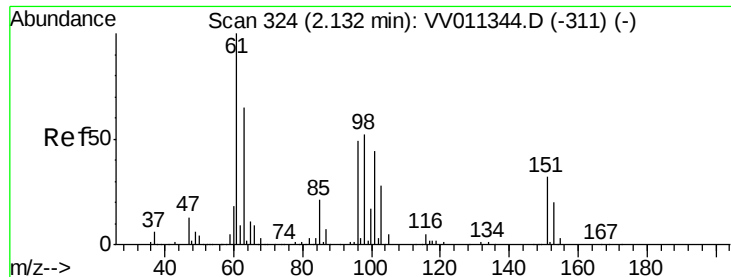
Tgt Ion: 64 Resp: 4127

Ion Ratio Lower Upper

64 100

66 24.6 19.4 36.0





#12

1,1-Dichloroethene

Concen: 0.331 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011361.D

Acq: 10 Jun 2019 20:21

Instrument :

MSVOA_V

ClientSampleId :

BFCT6

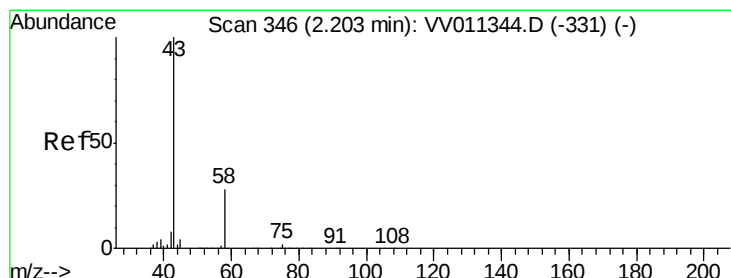
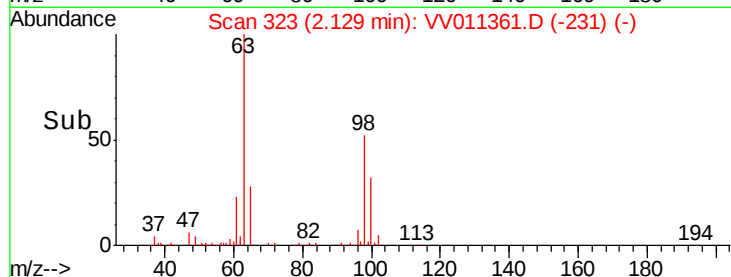
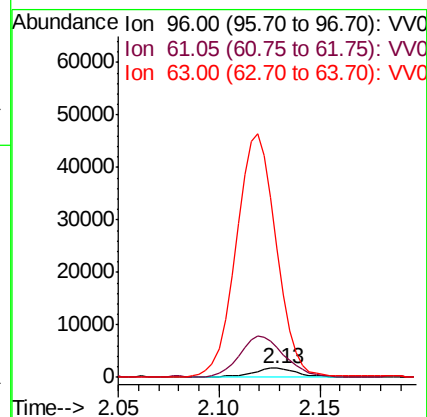
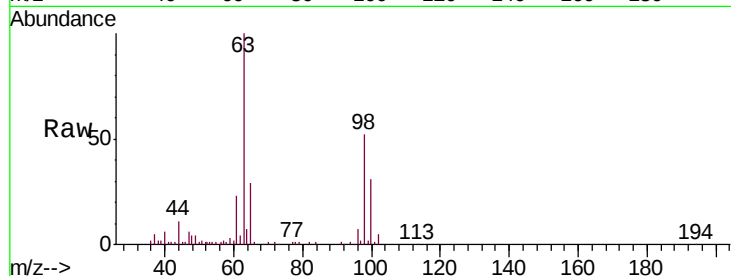
Tgt Ion: 96 Resp: 2872

Ion Ratio Lower Upper

96 100

61 320.9 139.8 259.6#

63 1395.7 94.3 175.1#



#13

Acetone

Concen: 2.391 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV011361.D

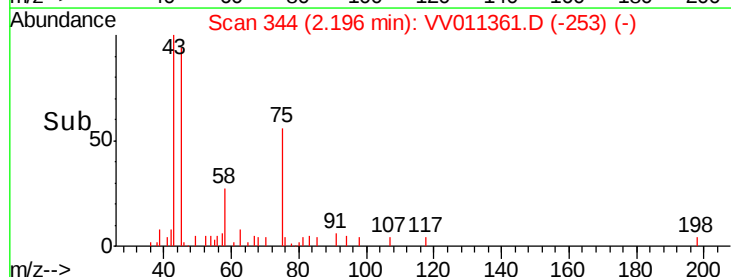
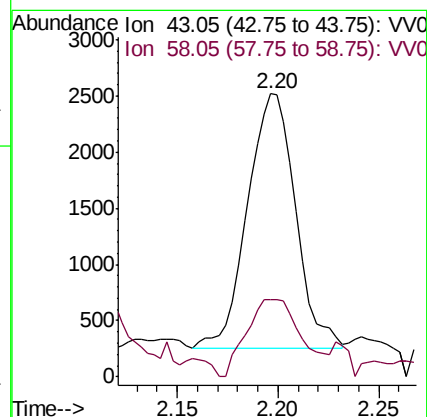
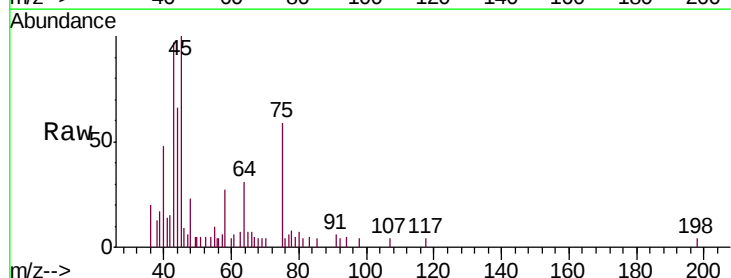
Acq: 10 Jun 2019 20:21

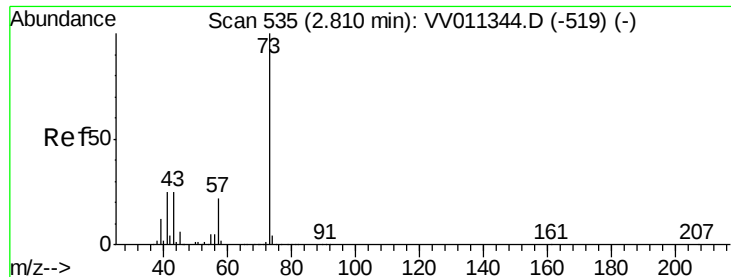
Tgt Ion: 43 Resp: 3764

Ion Ratio Lower Upper

43 100

58 35.2 0.0 55.2

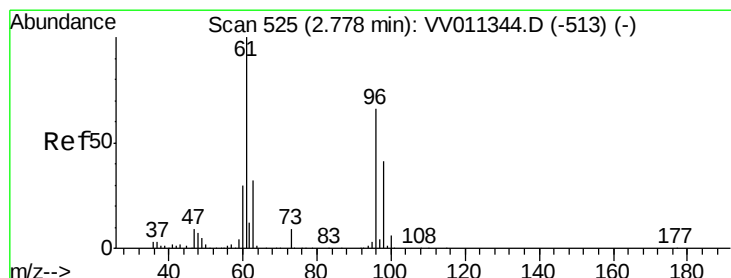
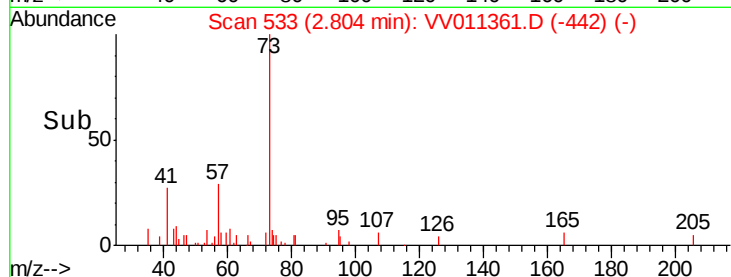
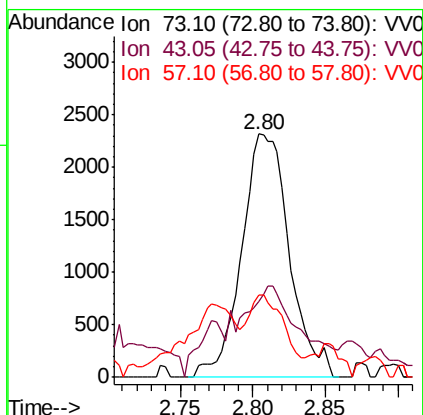
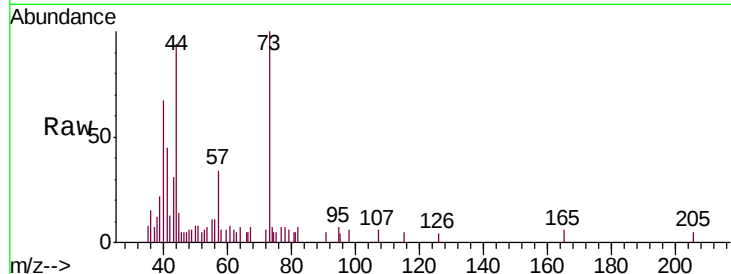




#17
Methyl tert-butyl Ether
Concen: 0.229 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.01 min
Lab File: VV011361.D
Acq: 10 Jun 2019 20:21

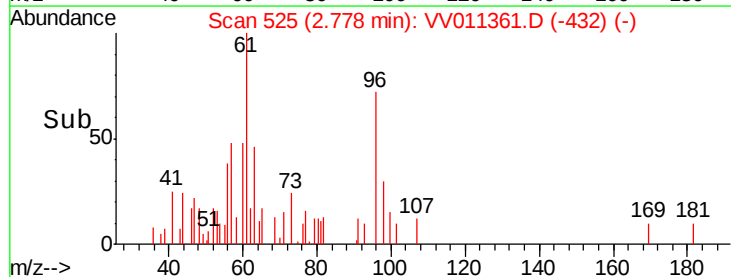
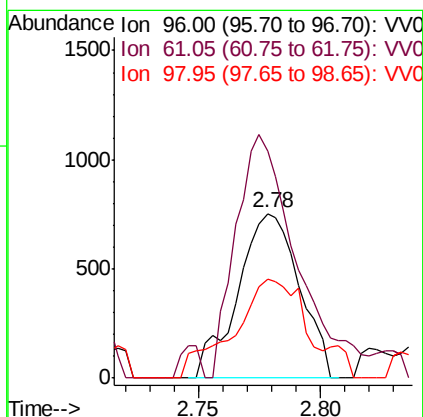
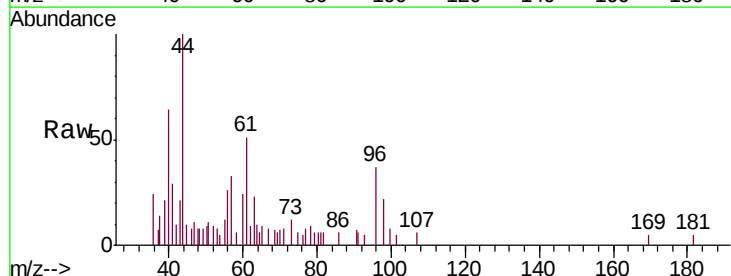
Instrument :
MSVOA_V
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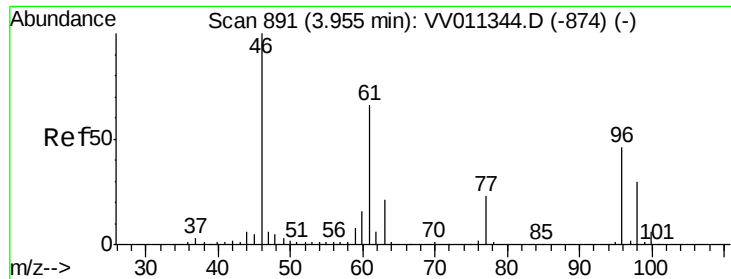
Tgt Ion: 73 Resp: 5298
Ion Ratio Lower Upper
73 100
43 44.1 18.7 28.1#
57 25.3 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 0.136 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV011361.D
Acq: 10 Jun 2019 20:21

Tgt Ion: 96 Resp: 1316
Ion Ratio Lower Upper
96 100
61 138.4 104.0 193.2
98 60.4 45.7 84.9



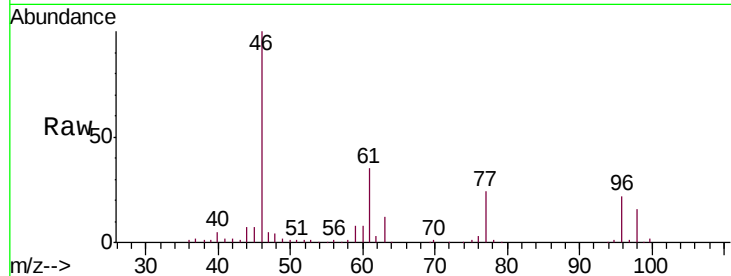


#22

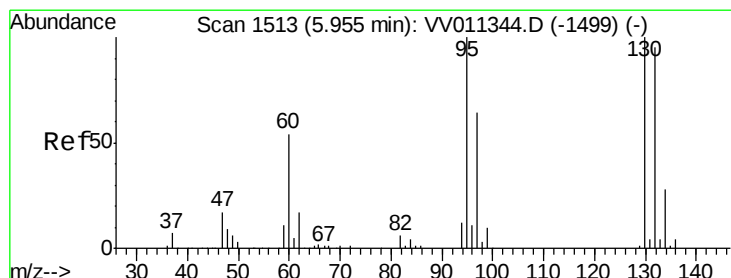
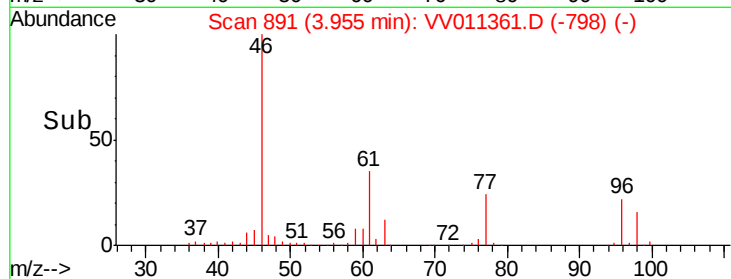
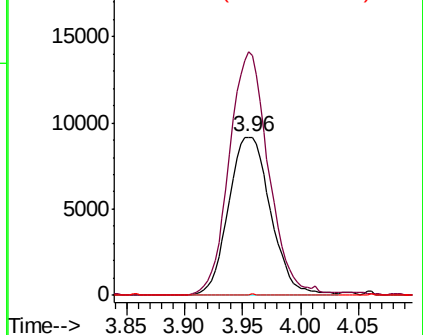
cis-1,2-Dichloroethene
Concen: 2.149 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV011361.D
Acq: 10 Jun 2019 20:21

Instrument :
MSVOA_V
ClientSampleId :
BFCT6

Tgt Ion: 96 Resp: 23110
Ion Ratio Lower Upper
96 100
61 153.7 100.8 187.2
68 0.0 0.0 0.0



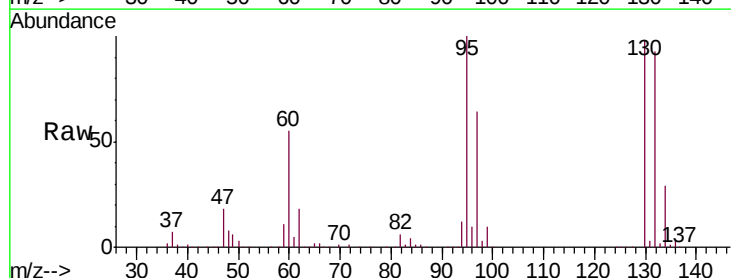
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



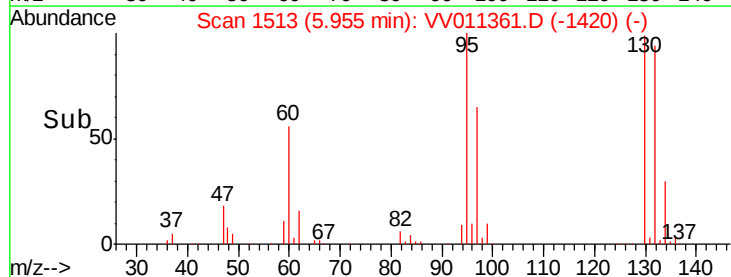
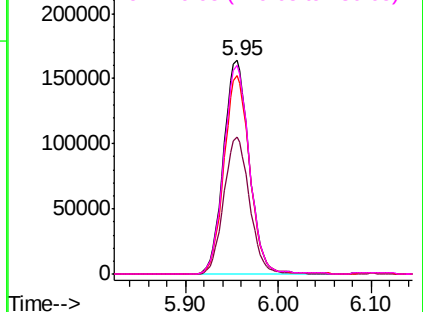
#34

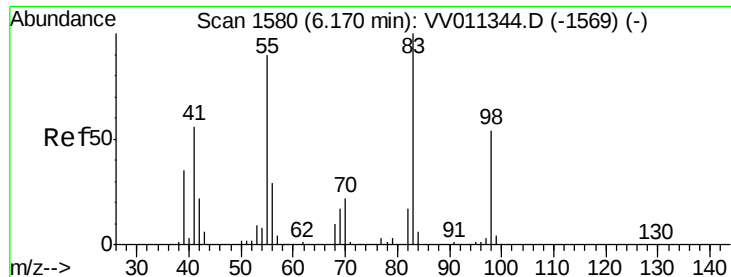
Trichloroethene
Concen: 30.255 ug/L
RT: 5.95 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV011361.D
Acq: 10 Jun 2019 20:21

Tgt Ion: 95 Resp: 316125
Ion Ratio Lower Upper
95 100
97 64.3 45.8 85.2
132 93.2 66.4 123.2
130 97.5 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

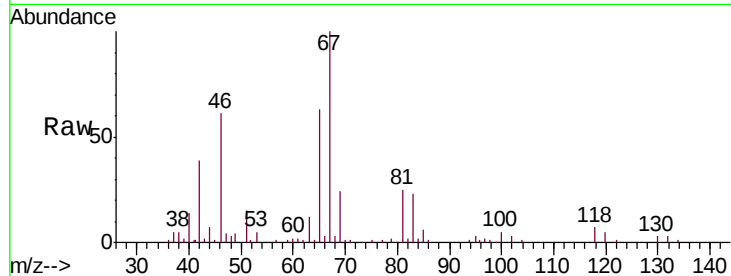




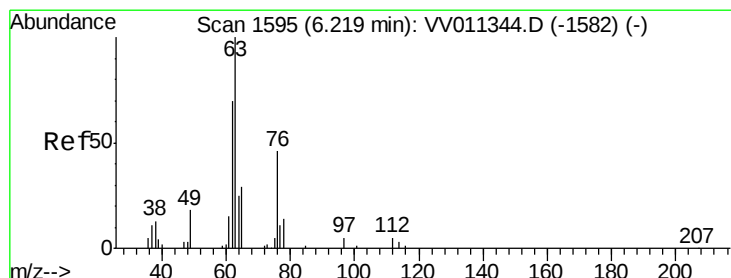
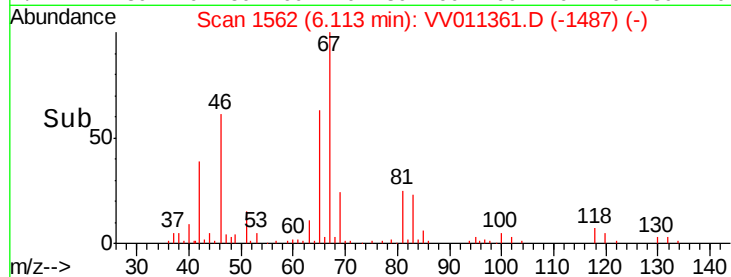
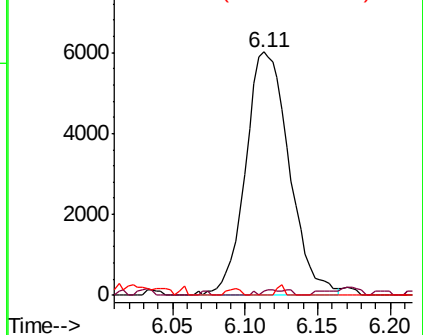
#35
Methylcyclohexane
Concen: 0.730 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV011361.D
Acq: 10 Jun 2019 20:21

Instrument :
MSVOA_V
ClientSampled :
BFCT6

Tgt Ion: 83 Resp: 12610
Ion Ratio Lower Upper
83 100
55 0.9 67.0 100.6#
98 0.0 40.0 60.0#

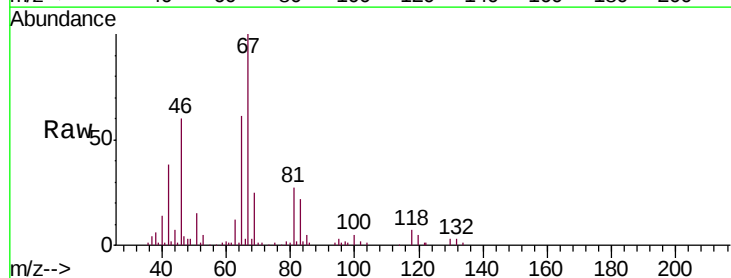


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

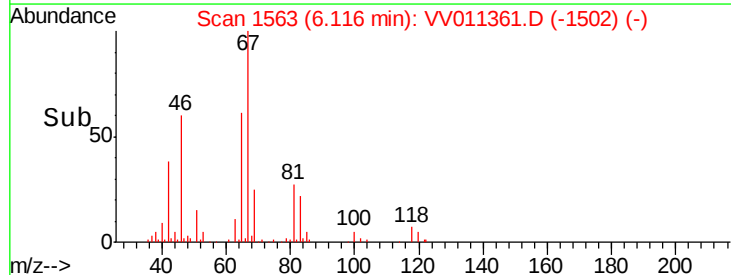
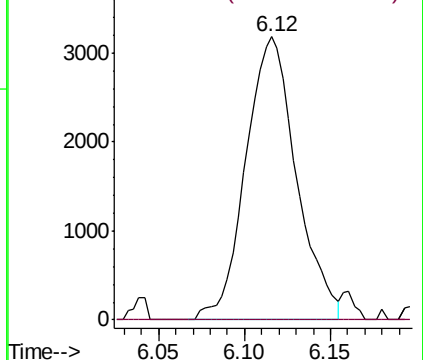


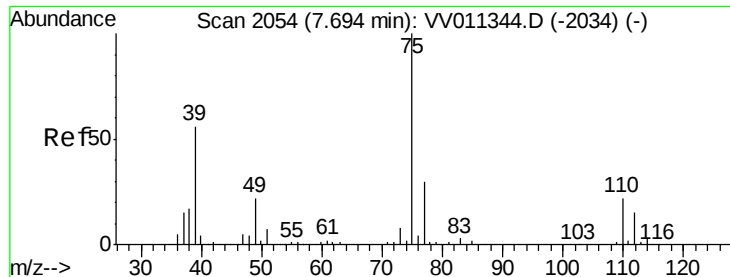
#37
1,2-Dichloropropane
Concen: 0.647 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011361.D
Acq: 10 Jun 2019 20:21

Tgt Ion: 63 Resp: 6509
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011361.D

Acq: 10 Jun 2019 20:21

Instrument :

MSVOA_V

ClientSampled :

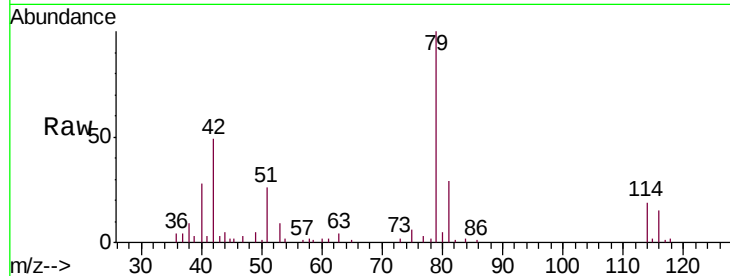
BFCT6

Tgt Ion: 75 Resp: 968

Ion Ratio Lower Upper

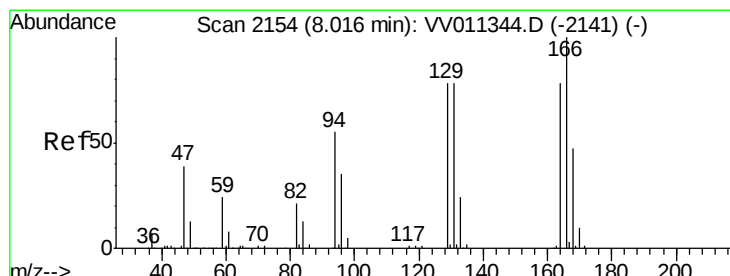
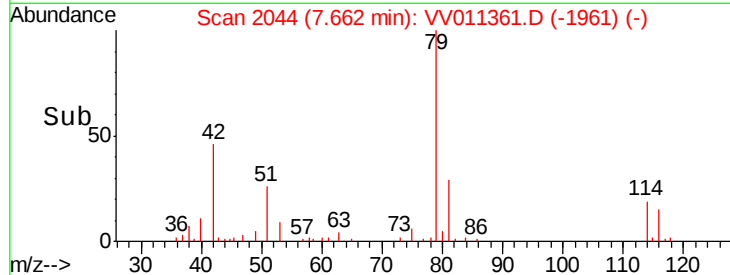
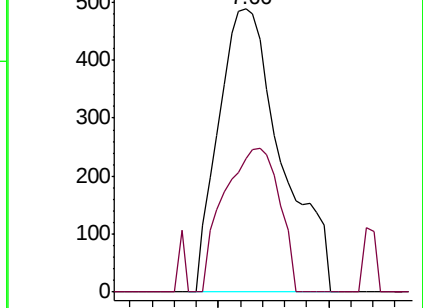
75 100

77 47.3 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 9.807 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011361.D

Acq: 10 Jun 2019 20:21

Tgt Ion:164 Resp: 74057

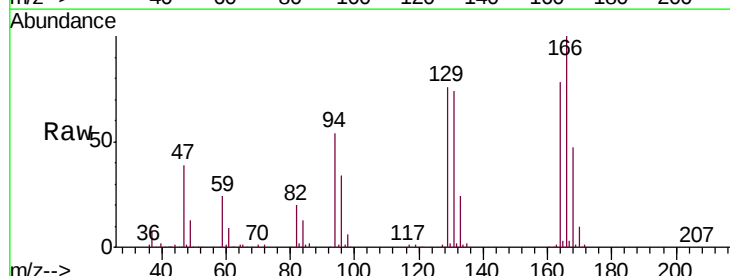
Ion Ratio Lower Upper

164 100

129 97.2 69.9 129.9

131 94.4 66.8 124.2

166 127.7 90.2 167.6

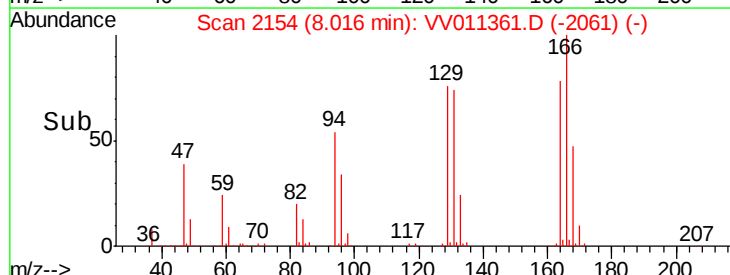
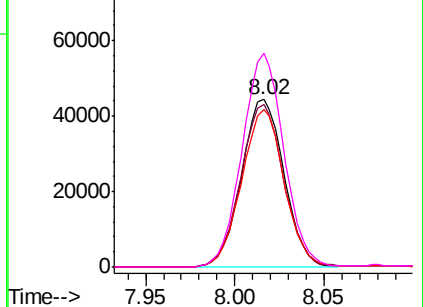


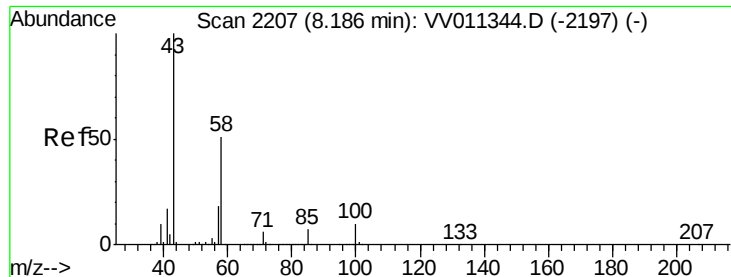
Abundance Ion 163.90 (163.60 to 164.60): V

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

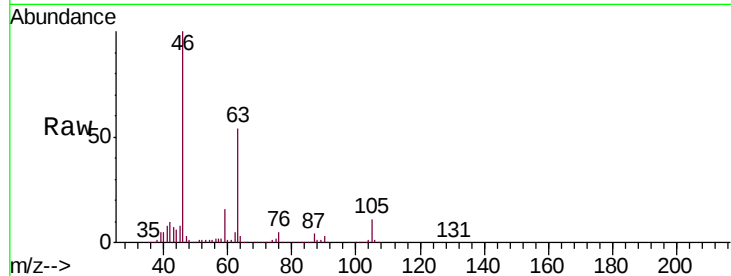




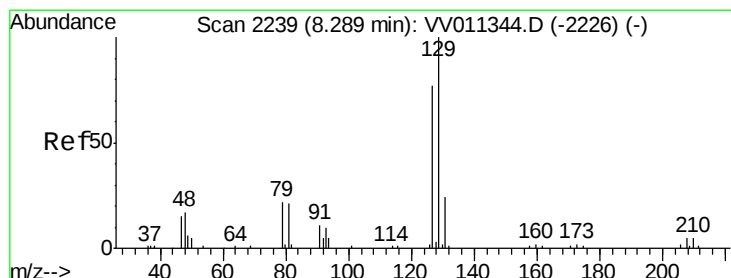
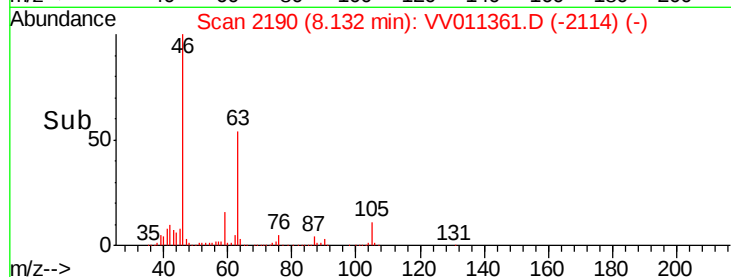
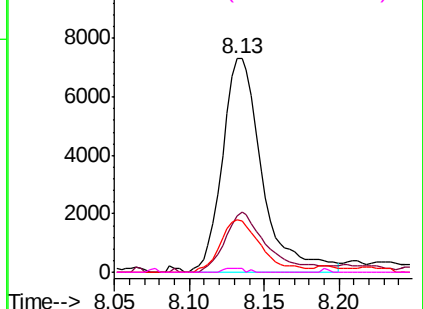
#48
2-Hexanone
Concen: 3.039 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV011361.D
Acq: 10 Jun 2019 20:21

Instrument :
MSVOA_V
ClientSampled :
BFCT6

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.2	41.4	62.0#
57	25.2	15.0	22.4#
100	1.0	9.0	13.4#

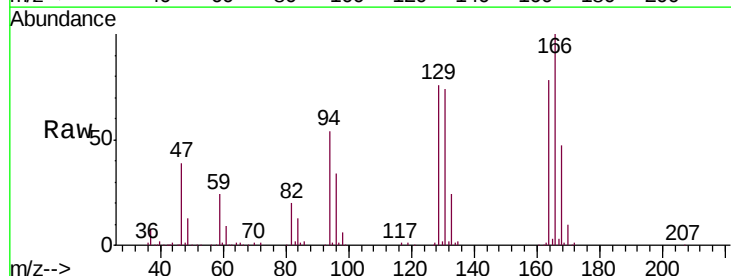


Abundance Ion 43.05 (42.75 to 43.75): VV011361.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV011361.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV011361.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV011361.D (-2197) (-)



#49
Dibromochloromethane
Concen: 9.120 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011361.D
Acq: 10 Jun 2019 20:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	1.1	53.7	99.7#



Abundance Ion 128.95 (128.65 to 129.65): VV011361.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011361.D (-2146) (-)

