

Data File : VV009610.D
Acq On : 12 Mar 2019 17:53
Operator : SY/MD
Sample : K1789-09ME
Misc : 5.87g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0P5ME

Quant Time: Mar 13 02:22:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 02:20:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	188312	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	189220	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	83374	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45971	41.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.50%
7) Chloroethane-d5	1.55	69	29834	25.72	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	51.44%#
11) 1,1-Dichloroethene-d2	2.11	63	104333	35.48	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.96%
21) 2-Butanone-d5	3.94	46	75175	91.27	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.27%
24) Chloroform-d	4.40	84	110325	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	5.08	65	75776	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.08%
32) Benzene-d6	5.09	84	227510	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
36) 1,2-Dichloropropane-d6	6.12	67	70734	48.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.16%
41) Toluene-d8	7.36	98	219775	45.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.70%
43) trans-1,3-Dichloropropene-	7.67	79	35696	46.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.96%
47) 2-Hexanone-d5	8.14	63	63202	98.22	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.22%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	110969	46.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.90%
64) 1,2-Dichlorobenzene-d4	11.68	152	84720	48.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.34%

Target Compounds

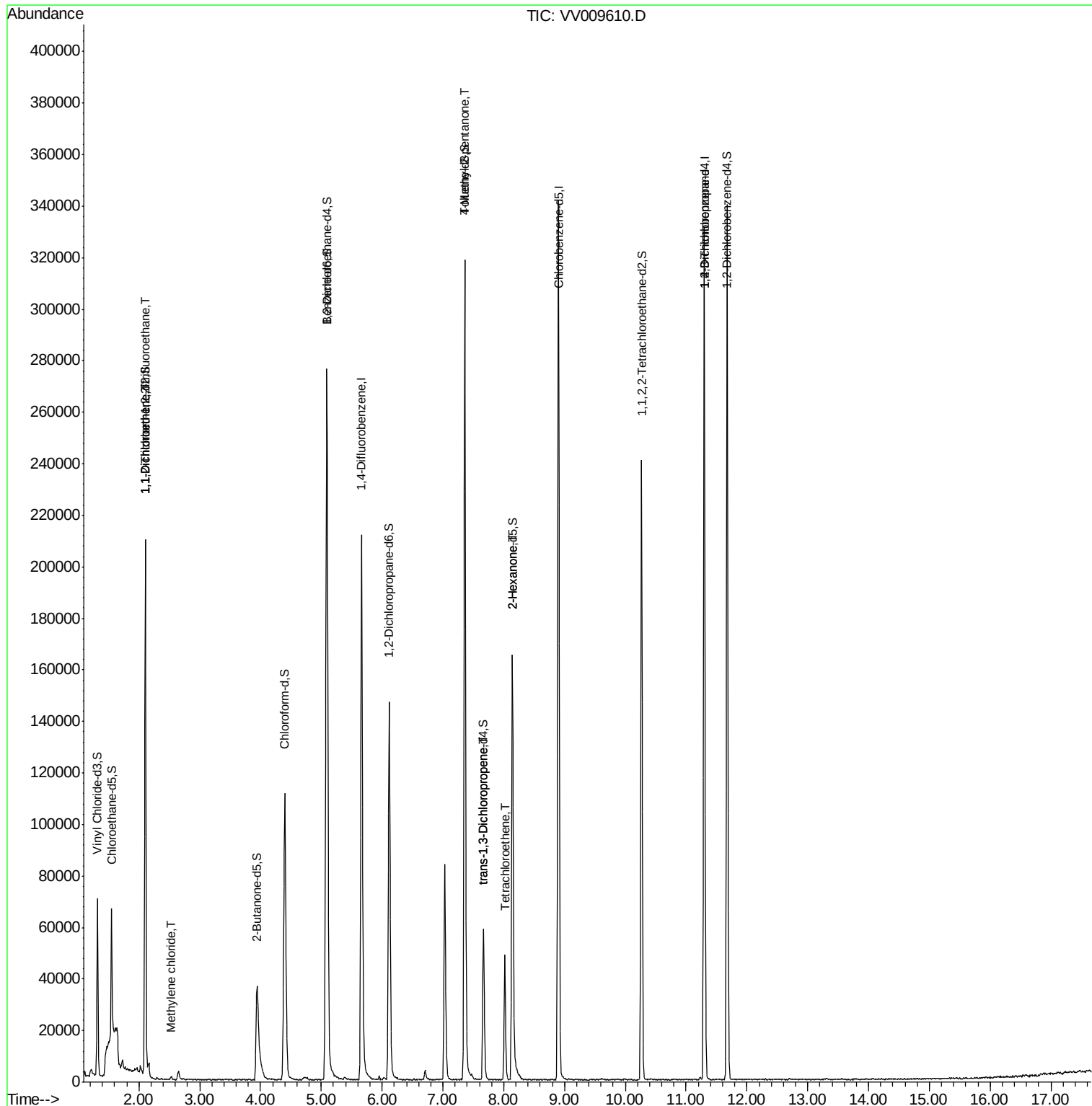
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	968	0.679	ug/L #	22
12) 1,1-Dichloroethene	2.11	96	948	0.777	ug/L #	1
16) Methylene chloride	2.53	84	496	0.418	ug/L #	85
40) 4-Methyl-2-pentanone	7.36	43	1189	0.731	ug/L #	1
44) trans-1,3-Dichloropropene	7.67	75	2170	1.198	ug/L #	68
46) Tetrachloroethene	8.02	164	9574	9.608	ug/L	93
48) 2-Hexanone	8.14	43	7351	5.670	ug/L #	67
59) 1,2,3-Trichloropropane	11.30	75	11582	7.057	ug/L #	87

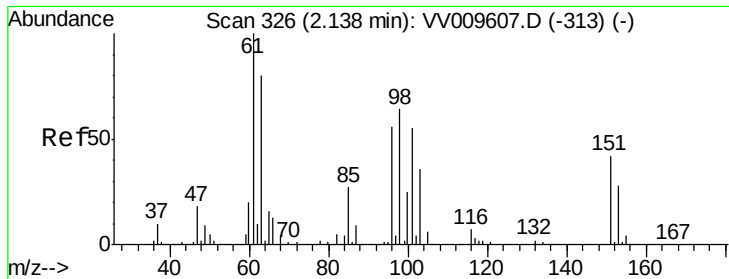
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.679 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.03 min

Lab File: VV009610.D

Acq: 12 Mar 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

BFOP5ME

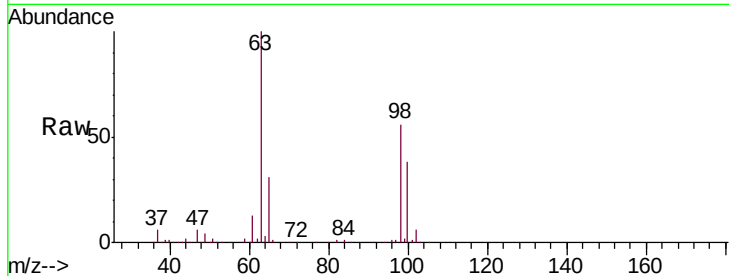
Tgt Ion: 101 Resp: 968

Ion Ratio Lower Upper

101 100

85 5.1 37.8 56.6#

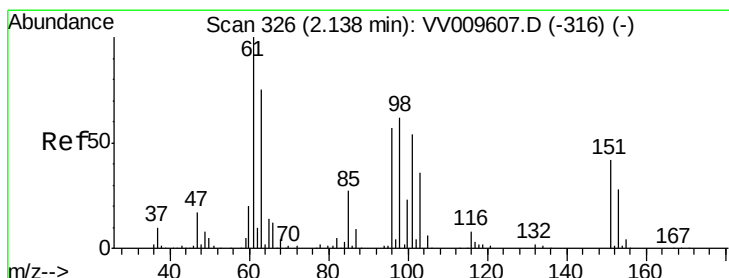
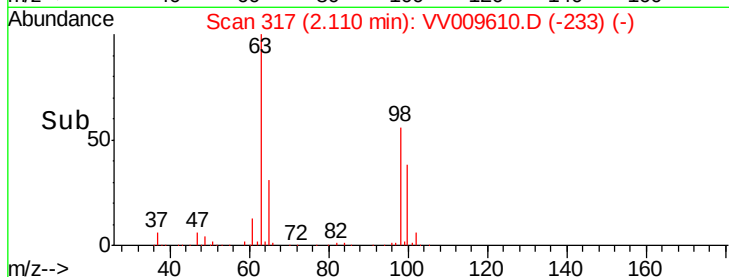
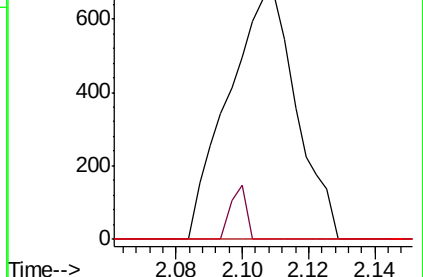
151 0.0 59.6 89.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.777 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.03 min

Lab File: VV009610.D

Acq: 12 Mar 2019 17:53

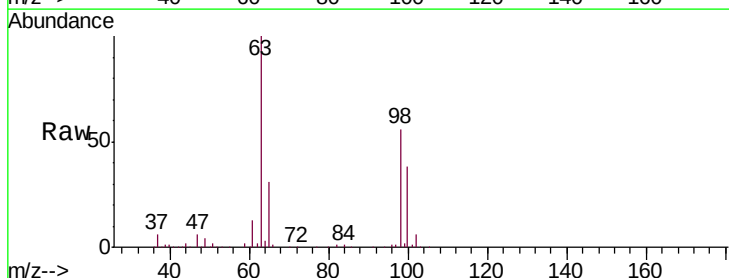
Tgt Ion: 96 Resp: 948

Ion Ratio Lower Upper

96 100

61 1461.0 122.1 226.7#

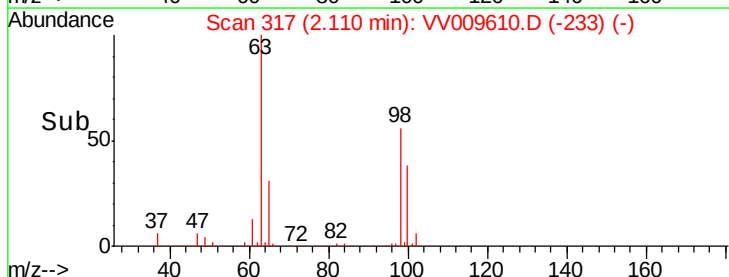
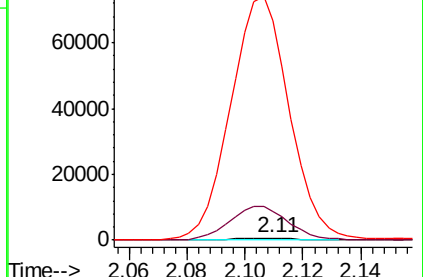
63 11016.8 107.6 199.8#

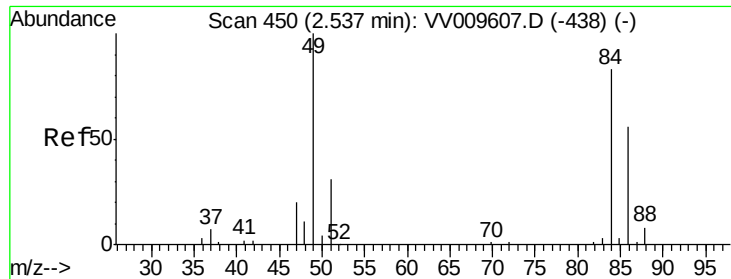


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

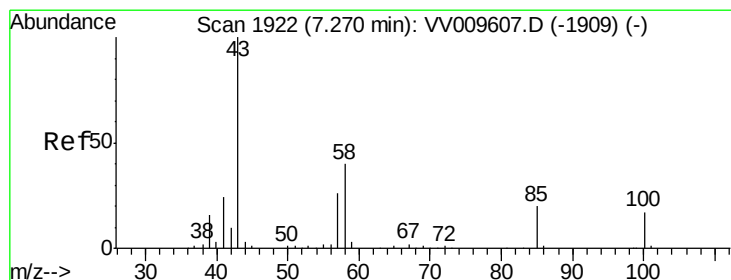
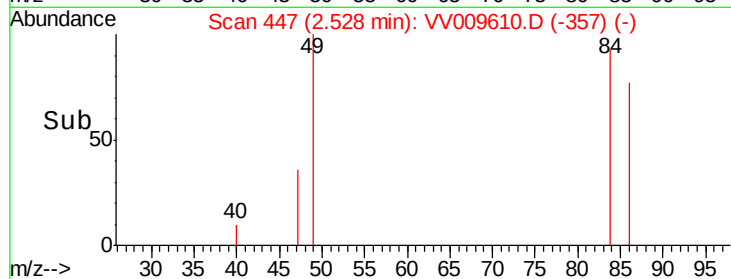
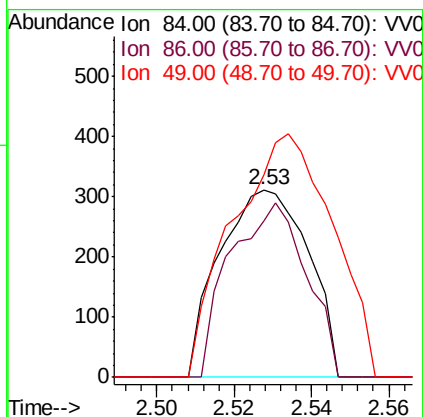
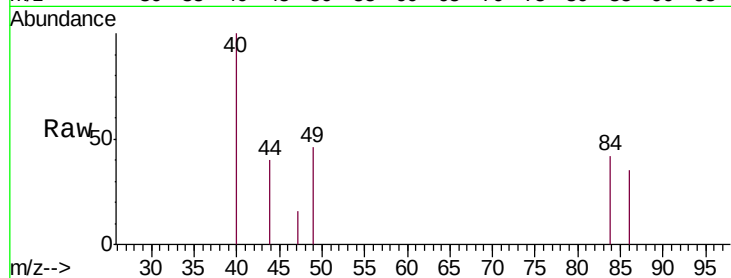




#16
Methylene chloride
Concen: 0.418 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV009610.D
Acq: 12 Mar 2019 17:53

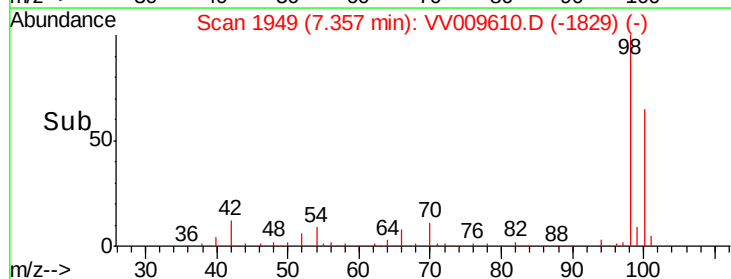
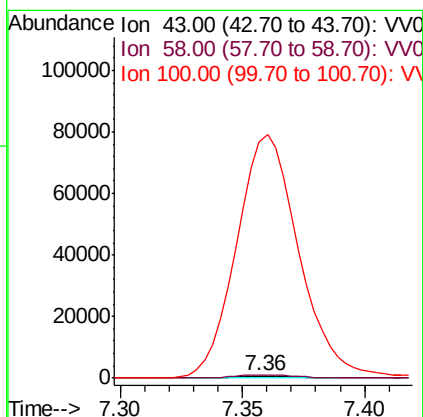
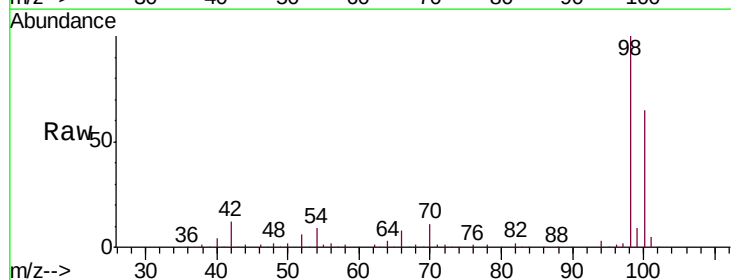
Instrument :
MSVOA_V
ClientSampleId :
BF0P5ME

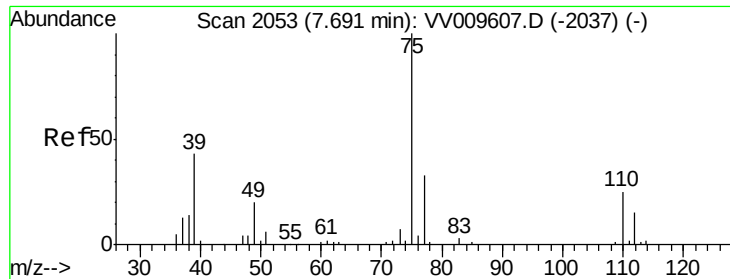
Tgt Ion: 84 Resp: 496
Ion Ratio Lower Upper
84 100
86 83.3 44.0 81.6#
49 108.0 82.0 152.4



#40
4-Methyl-2-pentanone
Concen: 0.731 ug/L
RT: 7.36 min Scan# 1949
Delta R.T. 0.09 min
Lab File: VV009610.D
Acq: 12 Mar 2019 17:53

Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
58 155.8 32.1 48.1#
100 11927.2 12.9 19.3#





#44

trans-1,3-Dichloropropene

Concen: 1.198 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009610.D

Acq: 12 Mar 2019 17:53

Instrument :

MSVOA_V

ClientSampleId :

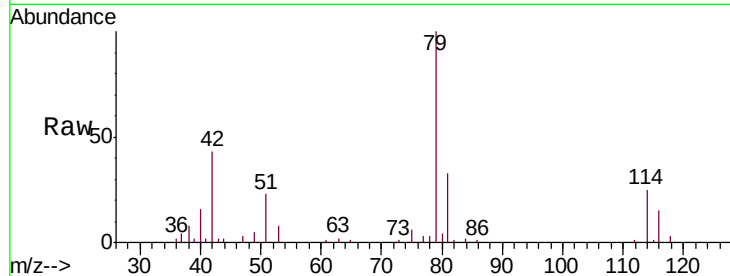
BF0P5ME

Tgt Ion: 75 Resp: 2170

Ion Ratio Lower Upper

75 100

77 48.4 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VV009610.D (-1960) (-)

Ion 77.00 (76.70 to 77.70): VV009610.D (-1960) (-)

7.67

1200

1000

800

600

400

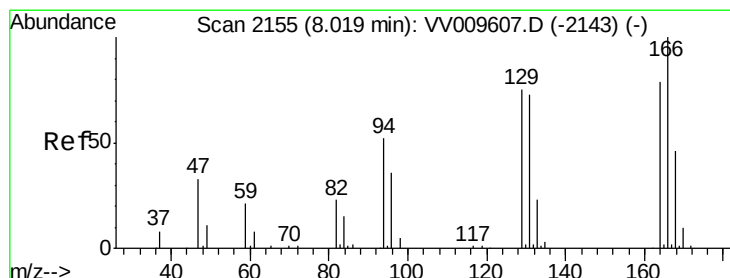
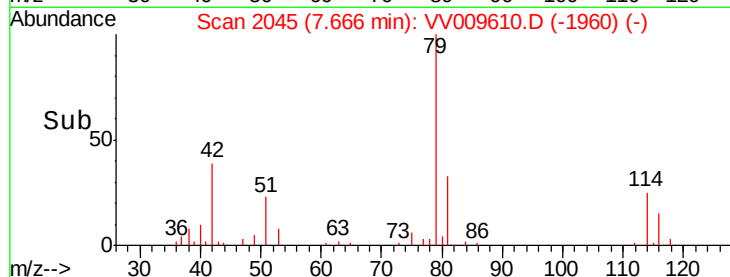
200

0

7.65

7.70

Time-->



#46

Tetrachloroethene

Concen: 9.608 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009610.D

Acq: 12 Mar 2019 17:53

Tgt Ion: 164 Resp: 9574

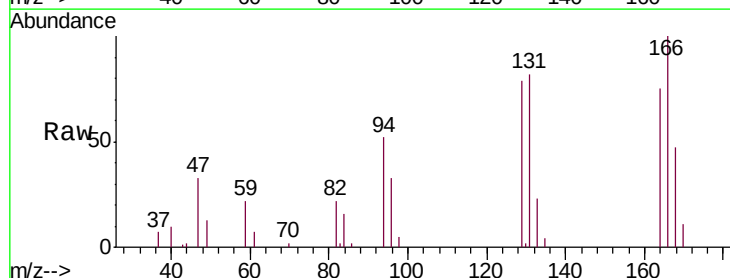
Ion Ratio Lower Upper

164 100

129 106.0 70.8 131.6

131 110.3 68.3 126.9

166 133.9 89.5 166.3



Abundance Ion 164.00 (163.70 to 164.70): VV009610.D (-2062) (-)

Ion 129.00 (128.70 to 129.70): VV009610.D (-2062) (-)

Ion 131.00 (130.70 to 131.70): VV009610.D (-2062) (-)

Ion 166.00 (165.70 to 166.70): VV009610.D (-2062) (-)

12000

10000

8000

6000

4000

2000

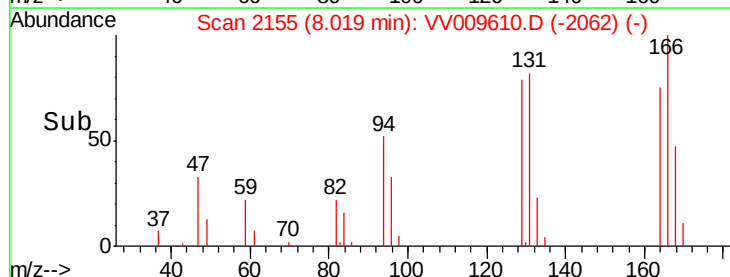
0

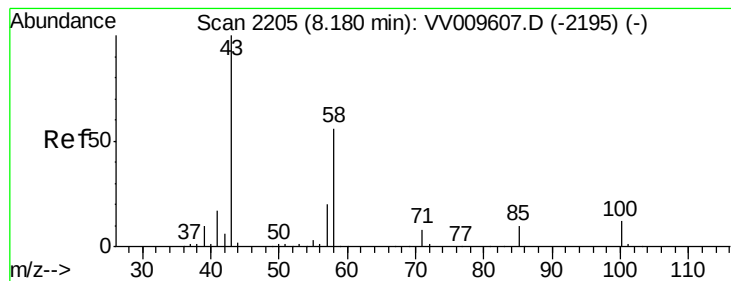
7.95

8.00

8.05

Time-->





#48

2-Hexanone

Concen: 5.670 ug/L

RT: 8.14 min Scan# 2194

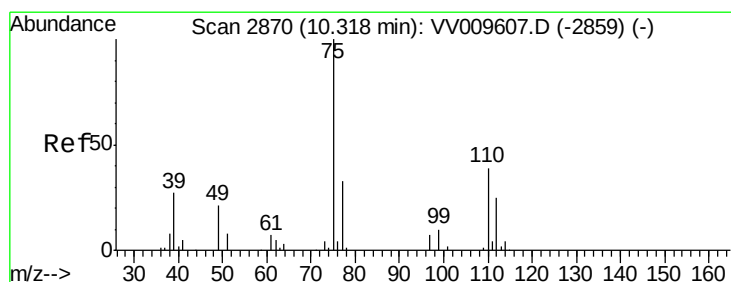
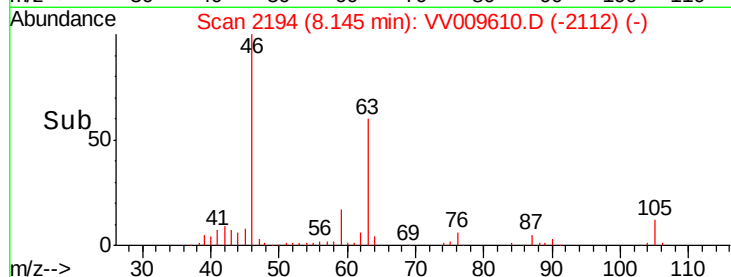
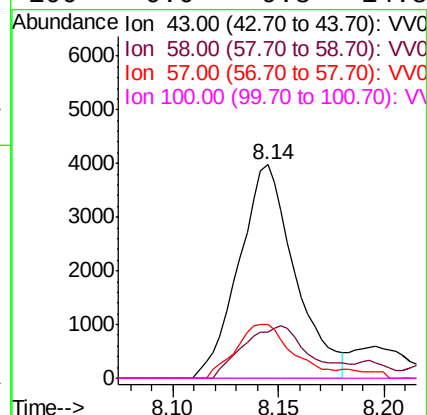
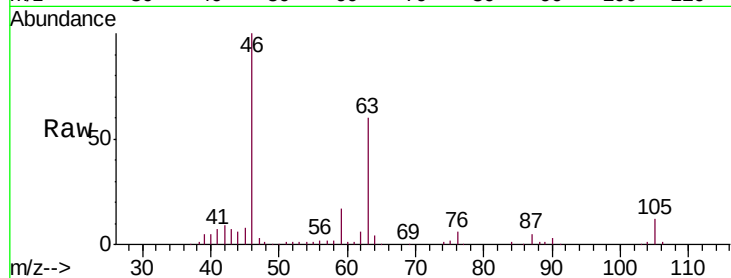
Delta R.T. -0.04 min

Lab File: VV009610.D

Acq: 12 Mar 2019 17:53

Instrument :
MSVOA_V
ClientSampleId :
BF0P5ME

Tgt Ion:	43	Resp:	7351
Ion	Ratio	Lower	Upper
43	100		
58	29.1	45.8	68.8#
57	25.6	14.5	21.7#
100	0.0	9.8	14.8#



#59

1,2,3-Trichloropropane

Concen: 7.057 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009610.D

Acq: 12 Mar 2019 17:53

Tgt Ion:	75	Resp:	11582
Ion	Ratio	Lower	Upper
75	100		
77	40.8	26.6	40.0#

