

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013189.D
 Acq On : 18 Oct 2019 00:30
 Operator : SY/MD
 Sample : K5321-14
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 03:42:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 03:32:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	474079	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	477912	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	228386	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	240775	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.58	69	189738	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.13	63	274994	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.95	46	357271	36.19	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.38%
24) Chloroform-d	4.40	84	405742	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.08	65	200695	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.10	84	852511	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.12	67	262465	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.36	98	727555	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	7.66	79	85111	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.13	63	309168	40.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.86%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	189468	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	252111	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

					Ovalue
8) Chloroethane	1.56	64	22207	0.691 ug/L #	56
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3037	0.074 ug/L #	18
13) Acetone	2.22	43	14087	2.189 ug/L	96
15) Methyl Acetate	2.46	43	75373	4.894 ug/L #	50
16) Methylene chloride	2.54	84	6209	0.103 ug/L #	70
25) Chloroform	4.42	83	35013	0.367 ug/L	97
27) 1,2-Dichloroethane	5.10	62	4628	0.089 ug/L	95
30) Cyclohexane	4.72	56	18212	0.237 ug/L #	45
34) Trichloroethene	5.95	95	9608	0.196 ug/L	97
35) Methylcyclohexane	6.12	83	61782	0.791 ug/L #	19
37) 1,2-Dichloropropane	6.12	63	26055	0.563 ug/L #	86
42) Toluene	7.43	91	22758	0.115 ug/L	96
47) Tetrachloroethene	8.02	164	109348	2.510 ug/L	99
48) 2-Hexanone	8.14	43	54713	2.938 ug/L #	85
49) Dibromochloromethane	8.02	129	93595	2.421 ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 03:32:46 2019
Response via : Initial Calibration

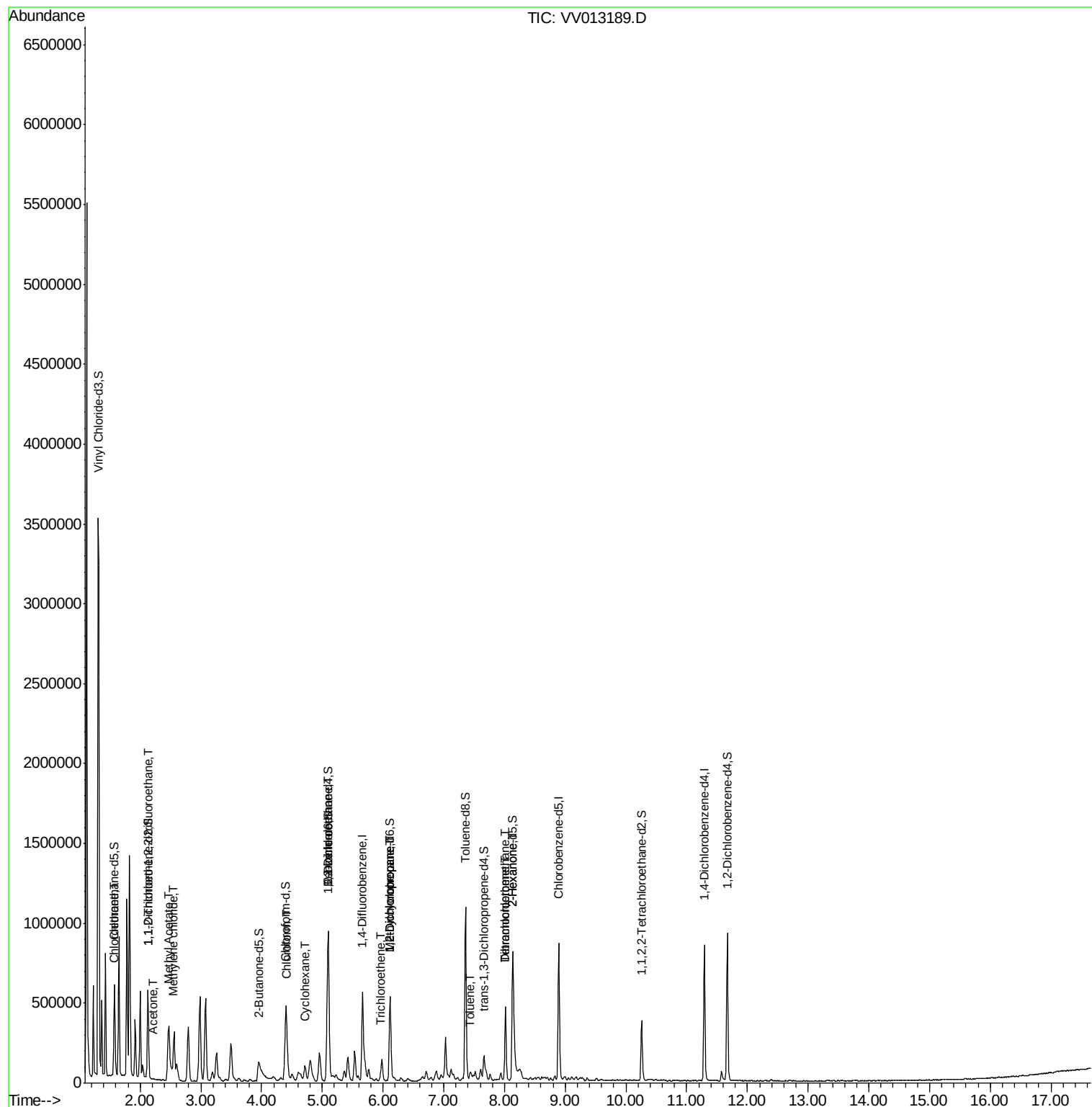
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

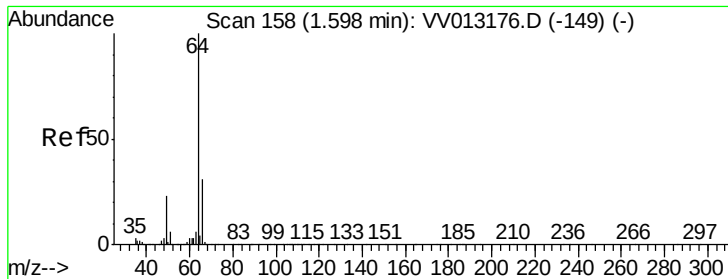
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#8

Chloroethane

Concen: 0.691 ug/L

RT: 1.56 min Scan# 146

Delta R.T. -0.04 min

Lab File: VV013189.D

Acq: 18 Oct 2019 00:30

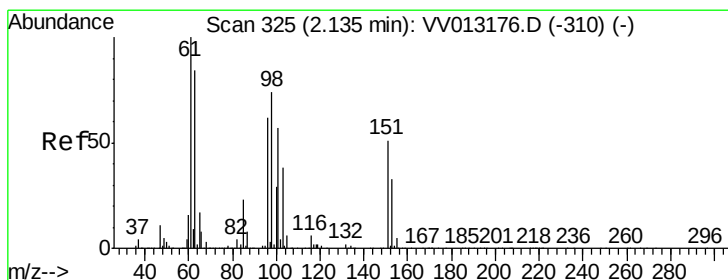
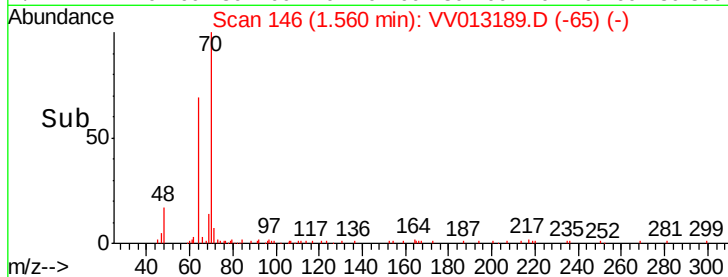
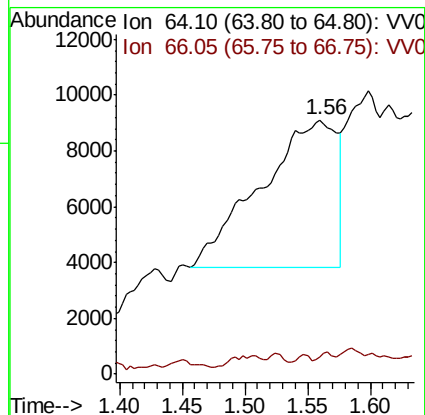
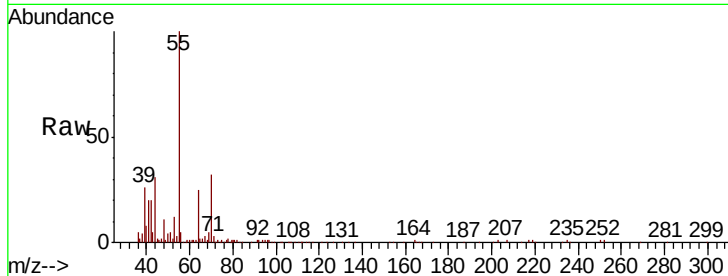
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 22207

Ion Ratio Lower Upper

64 100

66 6.7 21.6 40.2#



#10

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

Concen: 0.074 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013189.D

Acq: 18 Oct 2019 00:30

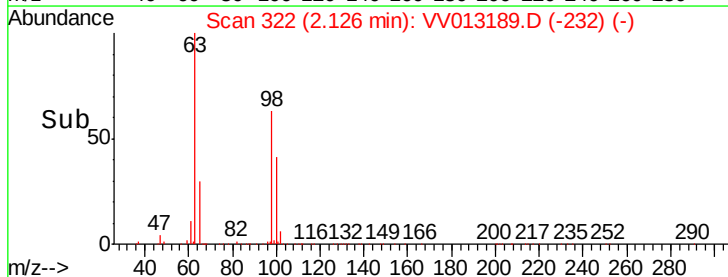
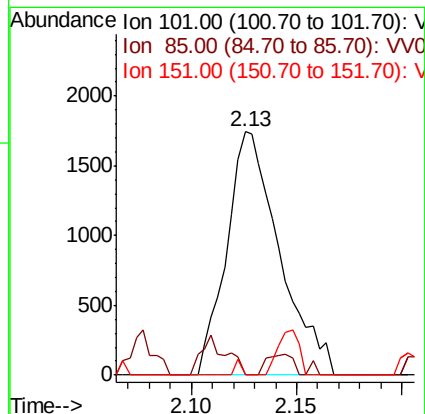
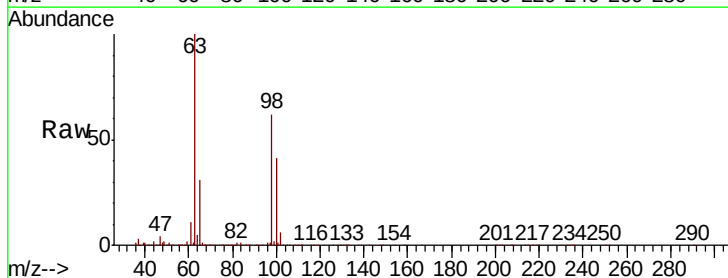
Tgt Ion: 101 Resp: 3037

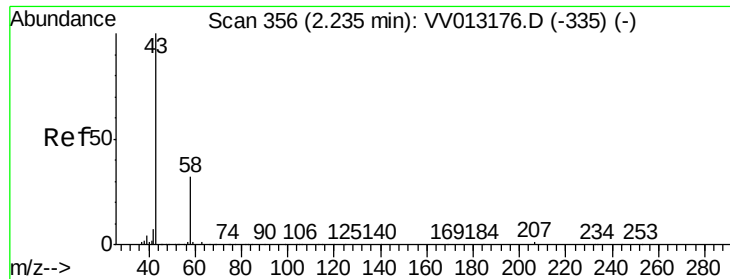
Ion Ratio Lower Upper

101 100

85 7.7 32.4 48.6#

151 0.8 71.9 107.9#





#13

Acetone

Concen: 2.189 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.02 min

Lab File: VV013189.D

Acq: 18 Oct 2019 00:30

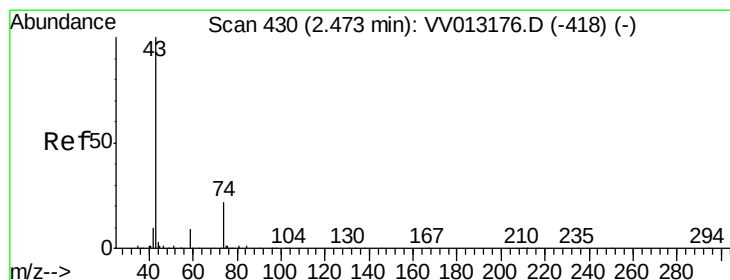
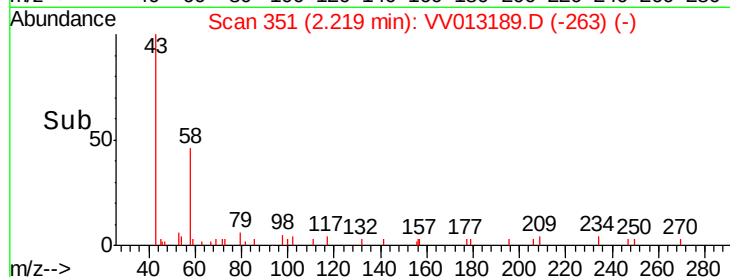
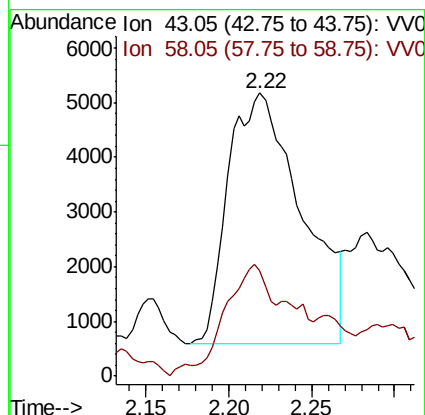
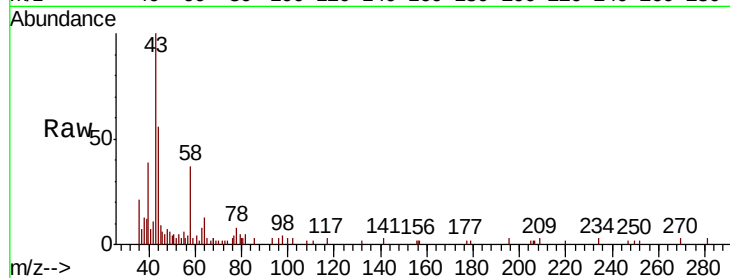
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 14087

Ion Ratio Lower Upper

43 100

58 28.1 0.0 52.4



#15

Methyl Acetate

Concen: 4.894 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.02 min

Lab File: VV013189.D

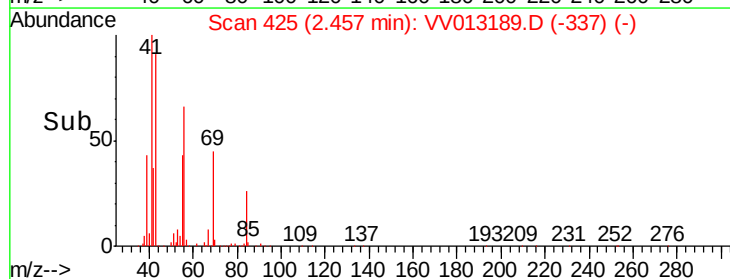
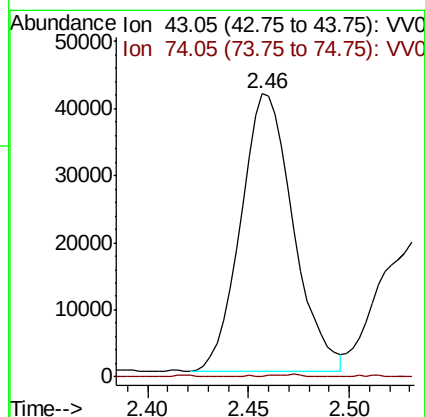
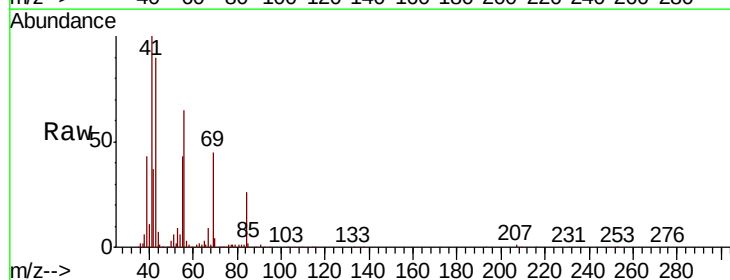
Acq: 18 Oct 2019 00:30

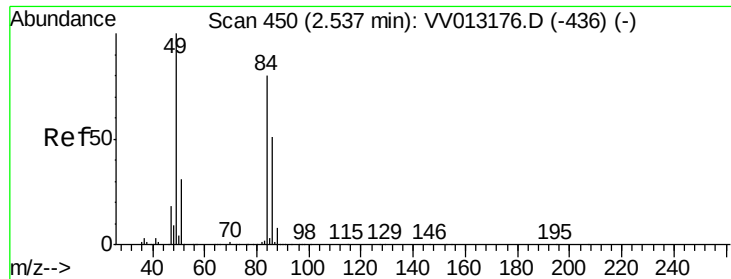
Tgt Ion: 43 Resp: 75373

Ion Ratio Lower Upper

43 100

74 0.6 20.7 31.1#

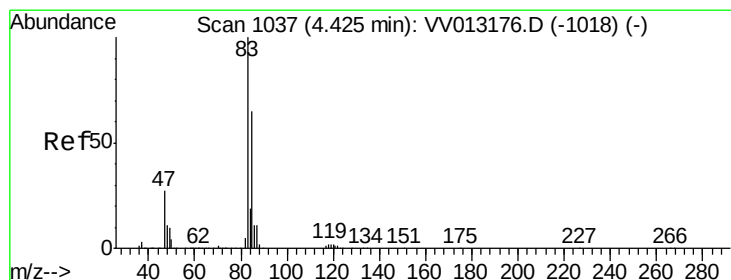
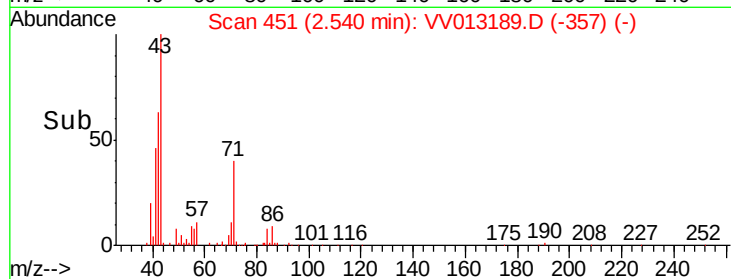
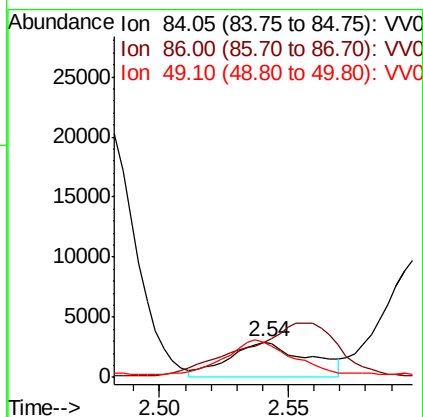
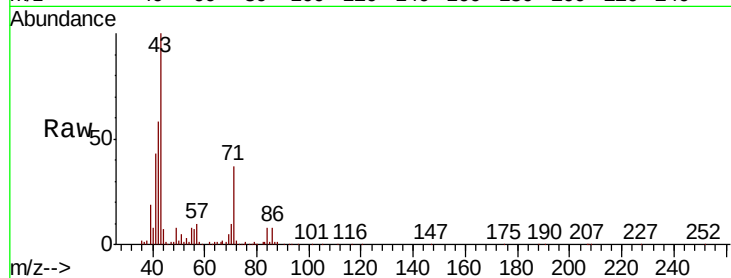




#16
Methvlene chloride
Concen: 0.103 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV013189.D
Acq: 18 Oct 2019 00:30

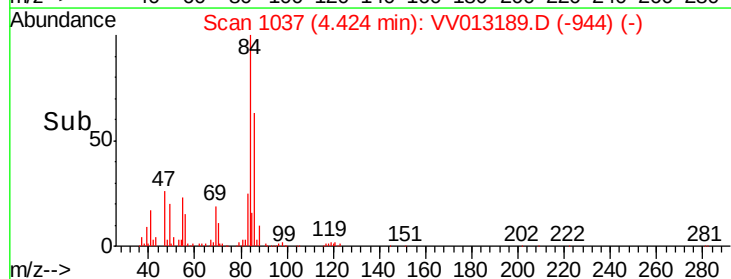
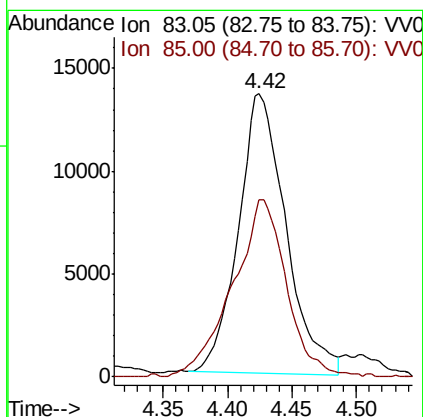
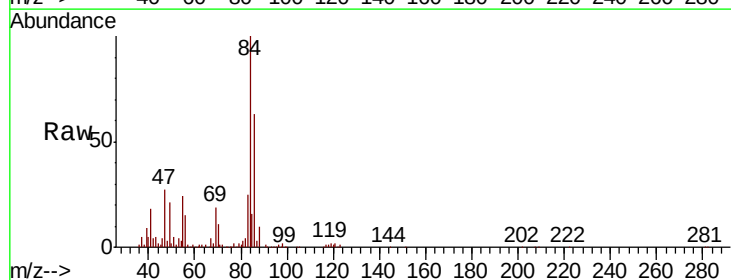
Instrument :
MSVOA_V
ClientSampled :

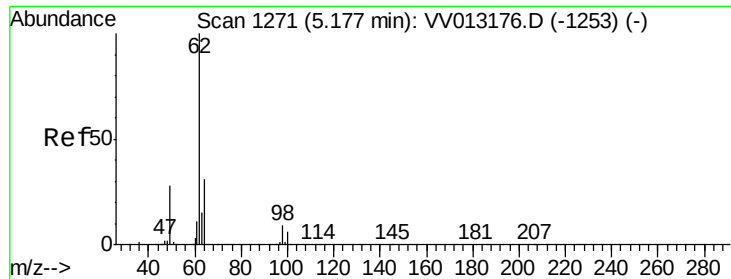
Tot Ion: 84 Resp: 6209
Ion Ratio Lower Upper
84 100
86 99.6 44.5 82.7#
49 99.4 87.3 162.1



#25
Chloroform
Concen: 0.367 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013189.D
Acq: 18 Oct 2019 00:30

Tgt Ion: 83 Resp: 35013
Ion Ratio Lower Upper
83 100
85 62.5 45.5 84.5





#27

1,2-Dichloroethane

Concen: 0.089 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV013189.D

Acq: 18 Oct 2019 00:30

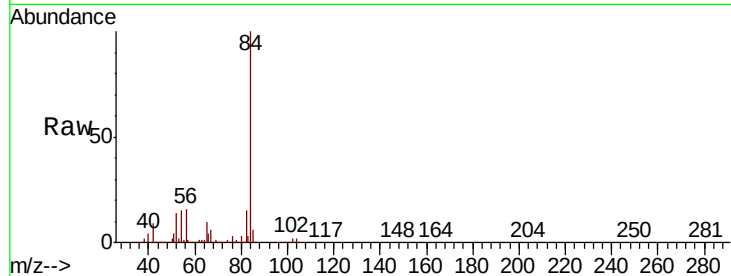
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 4628

Ion Ratio Lower Upper

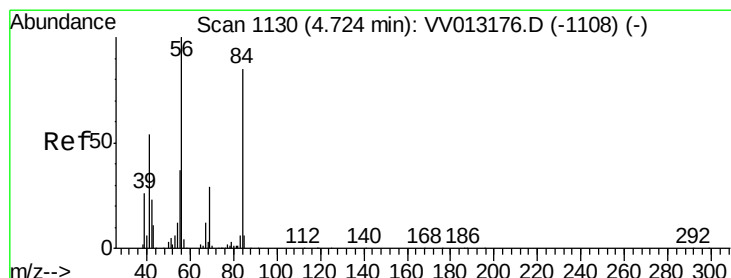
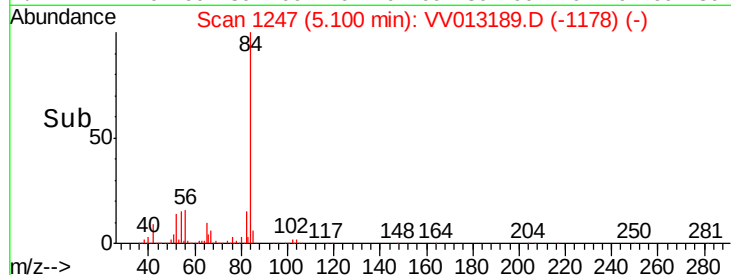
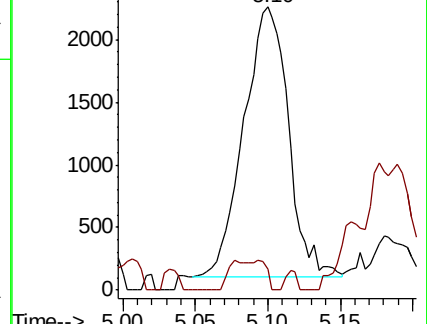
62 100

98 7.5 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#30

Cyclohexane

Concen: 0.237 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV013189.D

Acq: 18 Oct 2019 00:30

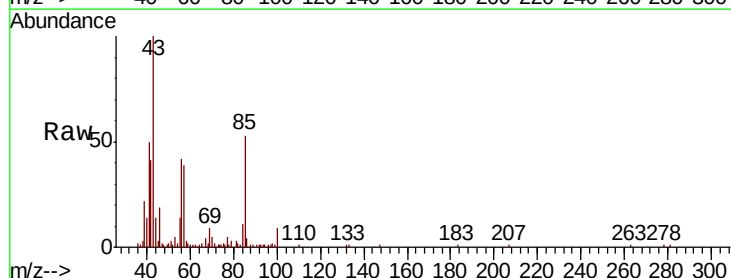
Tgt Ion: 56 Resp: 18212

Ion Ratio Lower Upper

56 100

69 17.5 23.0 34.4#

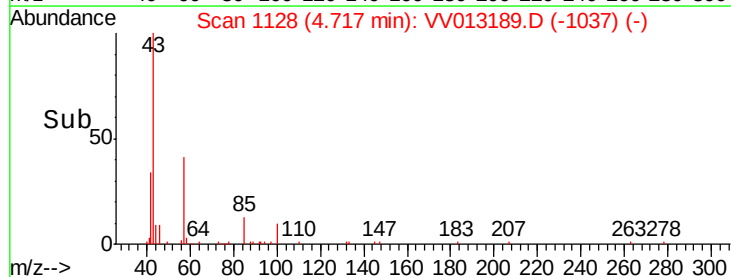
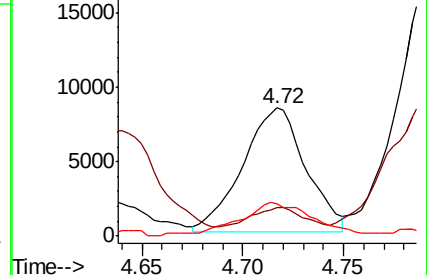
84 25.7 69.0 103.4#

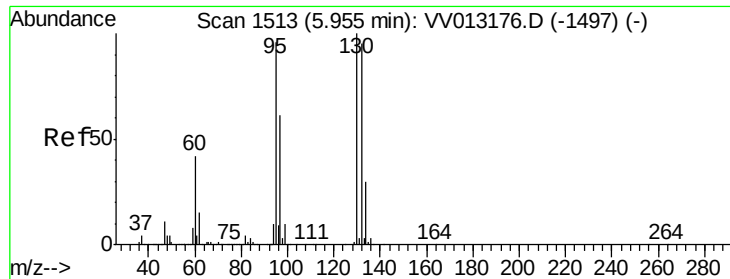


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#34

Trichloroethene

Concen: 0.196 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013189.D

Acq: 18 Oct 2019 00:30

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 9608

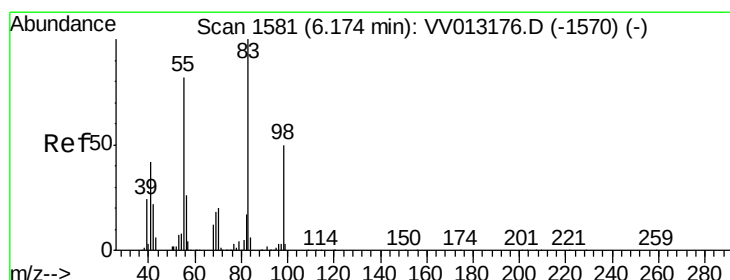
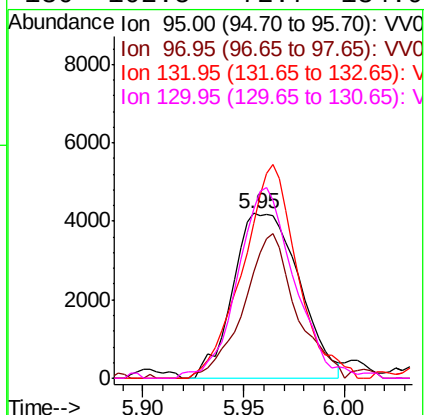
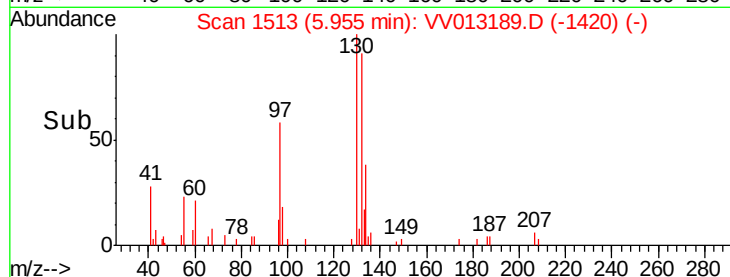
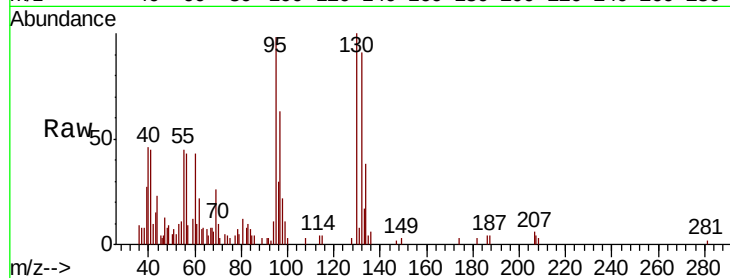
Ion Ratio Lower Upper

95 100

97 64.6 44.7 82.9

132 93.5 68.9 127.9

130 102.5 72.7 134.9



#35

Methylcyclohexane

Concen: 0.791 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013189.D

Acq: 18 Oct 2019 00:30

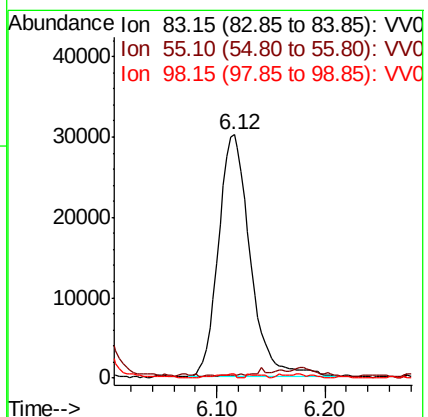
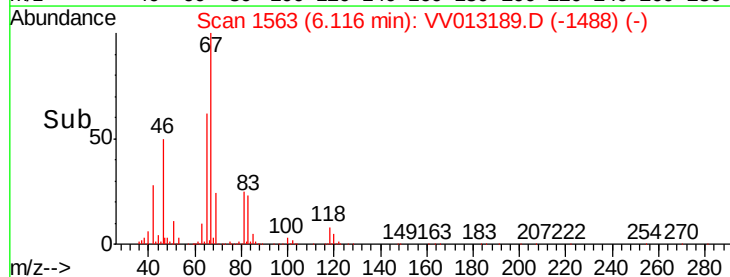
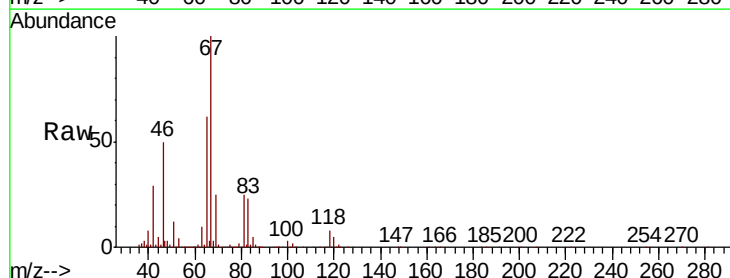
Tgt Ion: 83 Resp: 61782

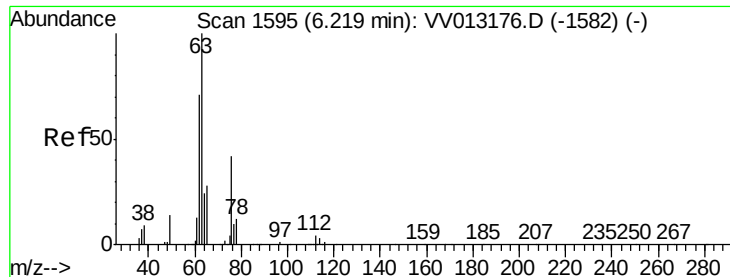
Ion Ratio Lower Upper

83 100

55 2.5 64.0 96.0#

98 1.0 38.6 57.8#

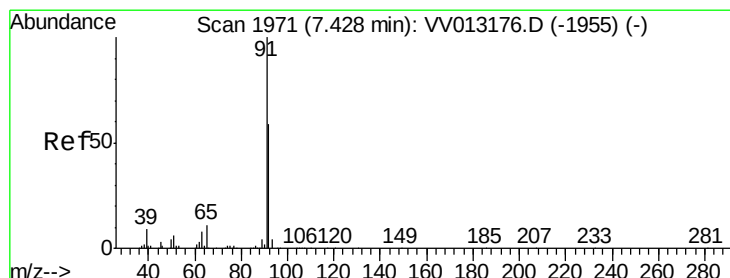
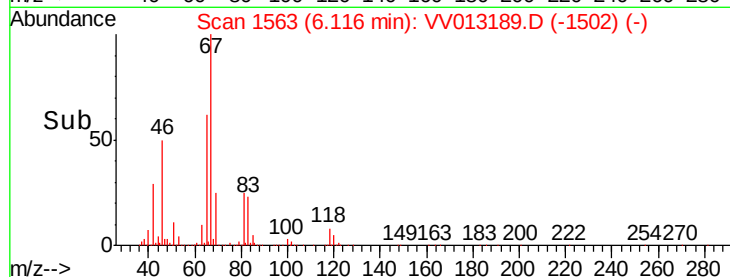
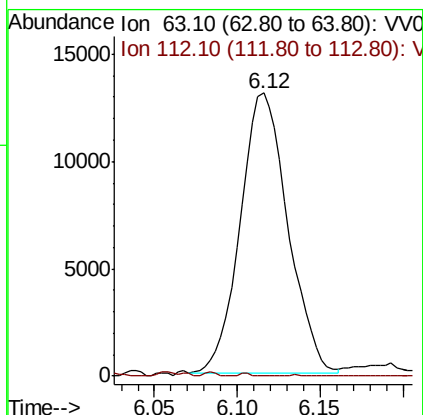
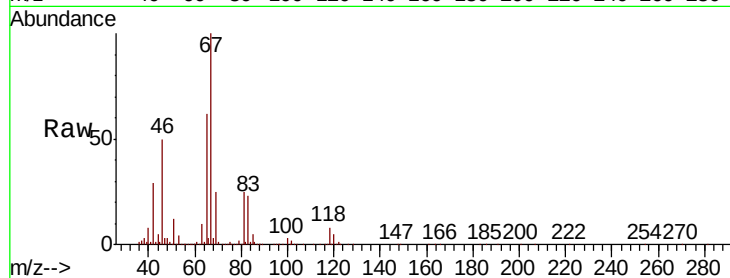




#37
 1,2-Dichloropropane
 Concen: 0.563 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013189.D
 Acq: 18 Oct 2019 00:30

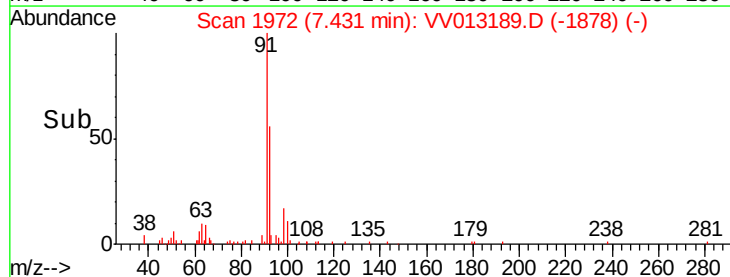
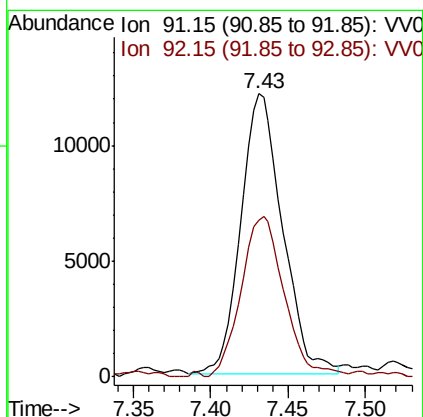
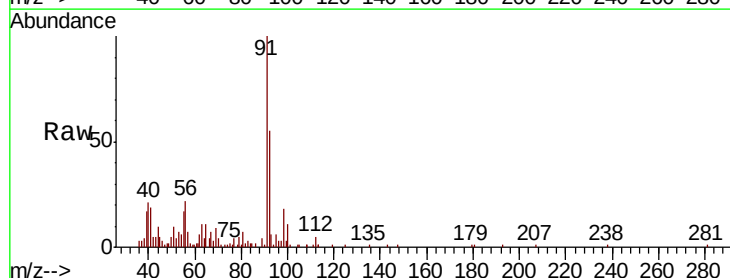
Instrument :
 MSVOA_V
 ClientSampleId :

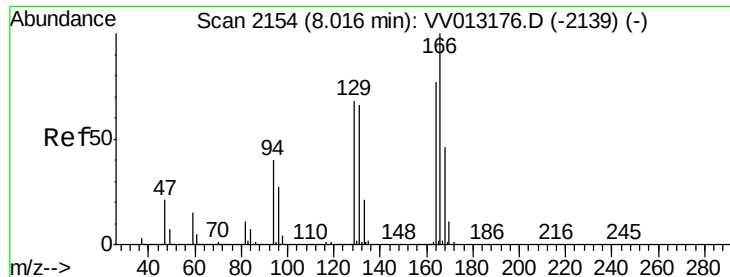
Tot Ion: 63 Resp: 26055
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.8 5.8#



#42
 Toluene
 Concen: 0.115 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV013189.D
 Acq: 18 Oct 2019 00:30

Tgt Ion: 91 Resp: 22758
 Ion Ratio Lower Upper
 91 100
 92 55.5 41.2 76.4

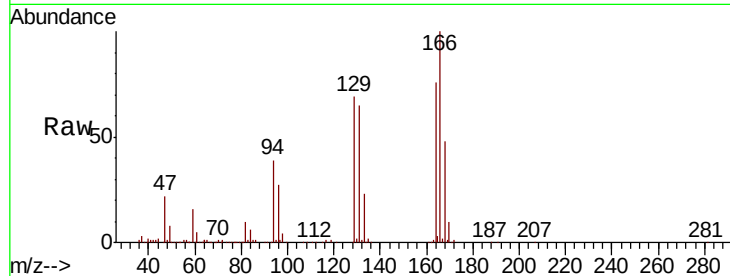




#47
Tetrachloroethene
Concen: 2.510 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV013189.D
Acq: 18 Oct 2019 00:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	164	Resp:	109348
Ion	Ratio	Lower	Upper
164	100		
129	90.0	62.2	115.4
131	84.7	59.9	111.3
166	131.0	91.1	169.1



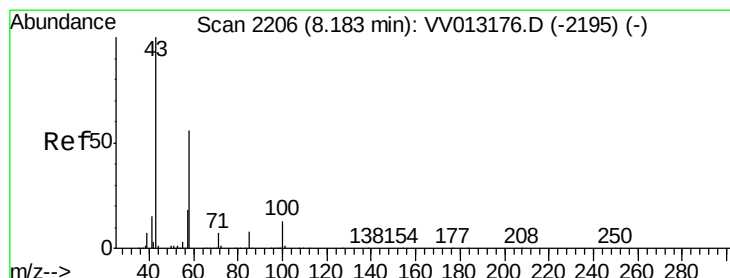
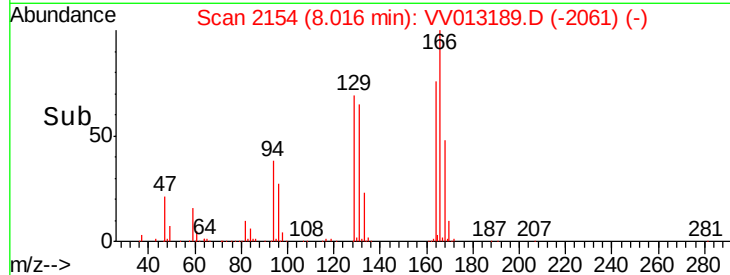
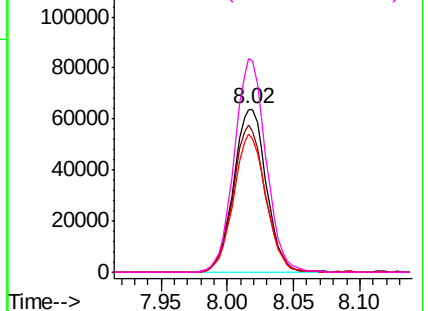
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

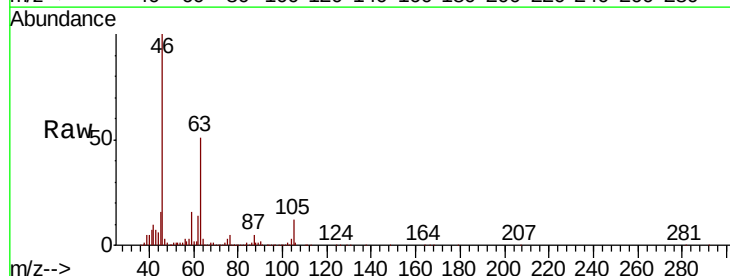
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48
2-Hexanone
Concen: 2.938 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV013189.D
Acq: 18 Oct 2019 00:30

Tgt Ion:	43	Resp:	54713
Ion	Ratio	Lower	Upper
43	100		
58	47.1	44.2	66.2
57	25.9	14.5	21.7#
100	1.9	9.5	14.3#



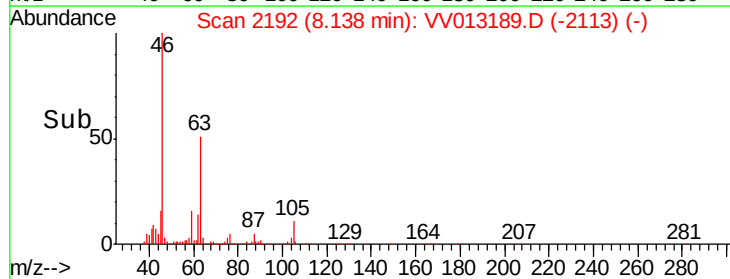
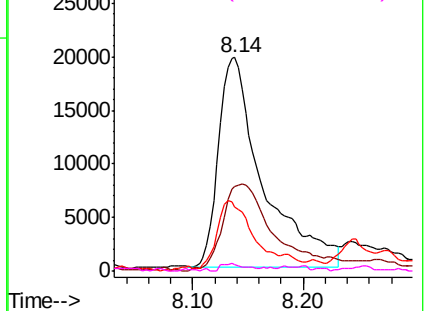
Abundance

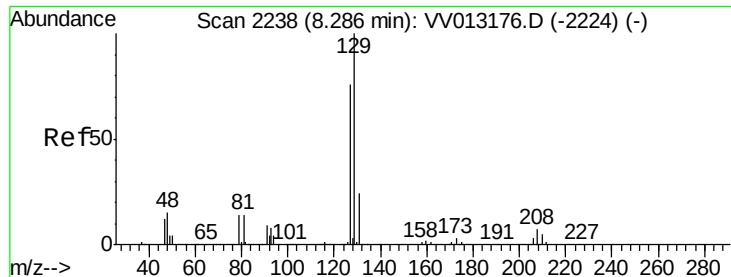
Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 2.421 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013189.D

Acq: 18 Oct 2019 00:30

Instrument :

MSVOA_V

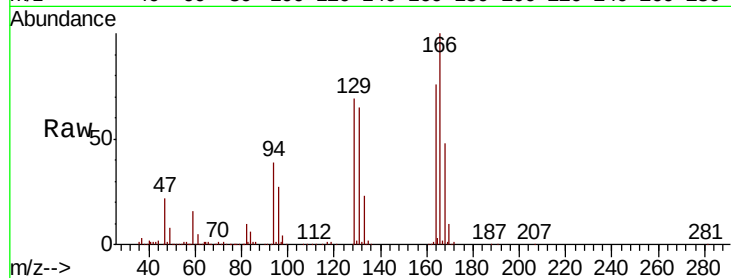
ClientSampleId :

Tot Ion:129 Resp: 93595

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

