

Data File : VV013230.D
Acq On : 19 Oct 2019 03:40
Operator : SY/MD
Sample : K5457-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K19

Quant Time: Oct 19 06:41:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 06:35:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	419580	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	461476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	225877	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	212214	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.58	69	174316	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.13	63	253555	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.96	46	544472	61.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.46%
24) Chloroform-d	4.40	84	413151	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.08	65	211696	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.09	84	843182	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.11	67	259915	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.36	98	687244	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.66	79	85004	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.14	63	376882	50.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	193203	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	263357	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	5907	0.117 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2775	0.078 ug/L #	20
12) 1,1-Dichloroethene	2.14	96	5557	0.165 ug/L #	1
17) Methyl tert-butyl Ether	2.81	73	12684	0.141 ug/L #	86
25) Chloroform	4.42	83	12106	0.143 ug/L	91
27) 1,2-Dichloroethane	5.09	62	5327	0.115 ug/L	96
31) Carbon tetrachloride	4.87	117	9242	0.146 ug/L	96
34) Trichloroethene	5.96	95	28943	0.600 ug/L	98
35) Methylcyclohexane	6.11	83	60408	0.817 ug/L #	19
37) 1,2-Dichloropropane	6.11	63	27578	0.602 ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	3569	0.076 ug/L	94
47) Tetrachloroethene	8.02	164	23905	0.567 ug/L	97
48) 2-Hexanone	8.14	43	59892	3.345 ug/L #	89
49) Dibromochloromethane	8.02	129	19704	0.523 ug/L #	11

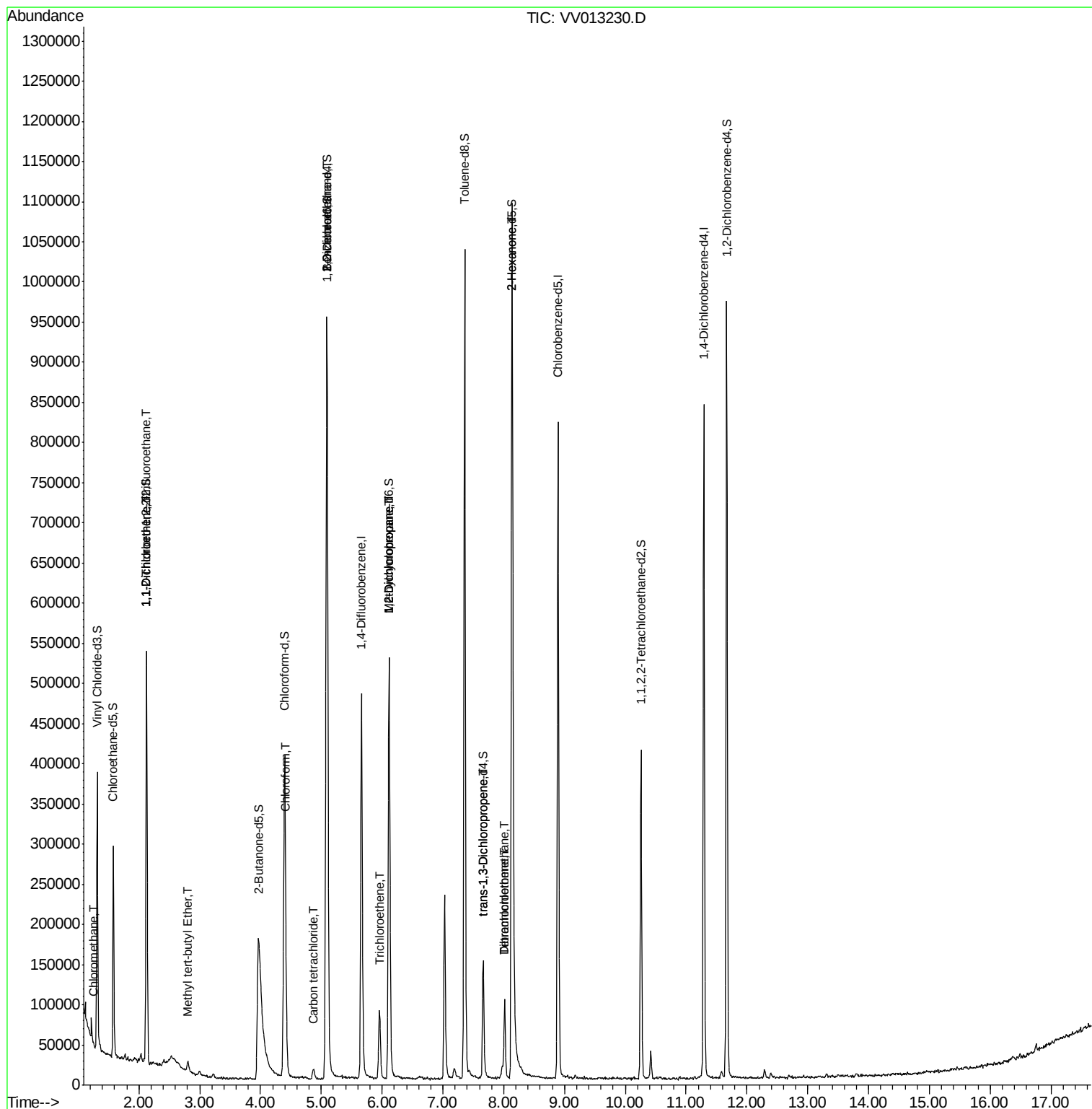
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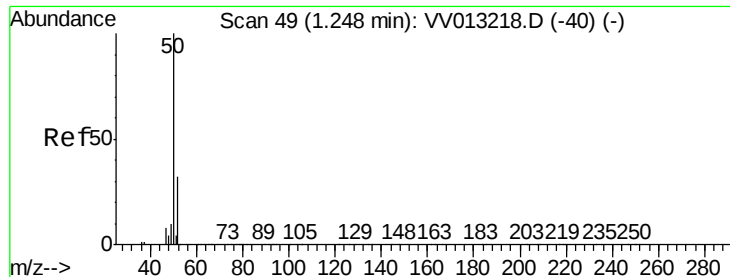
Data File : VV013230.D

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#3

Chloromethane

Concen: 0.117 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013230.D

Acq: 19 Oct 2019 03:40

Instrument :

MSVOA_V

ClientSampleId :

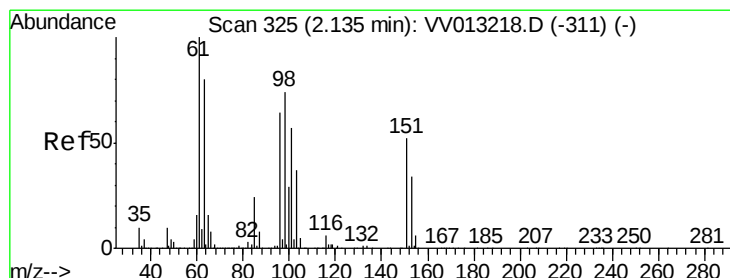
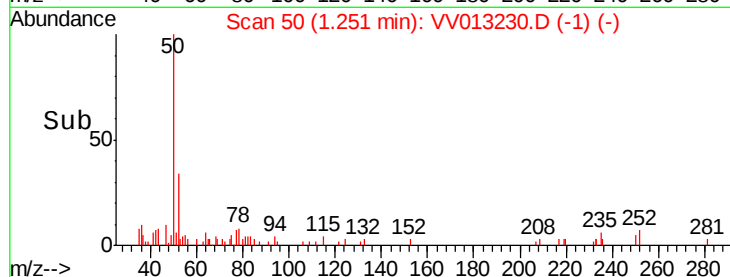
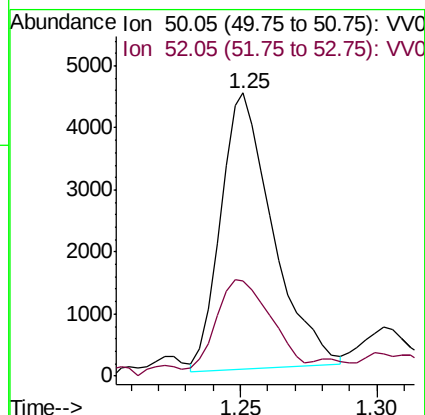
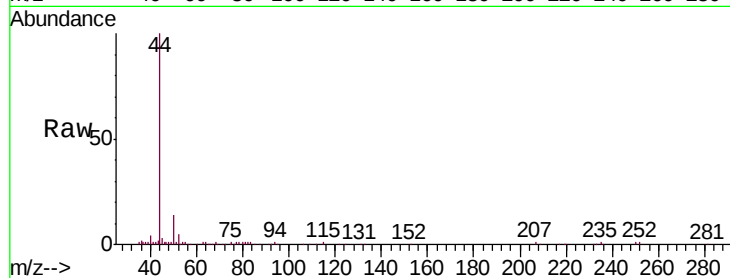
C0K19

Tgt Ion: 50 Resp: 5907

Ion Ratio Lower Upper

50 100

52 33.7 23.0 42.8



#10

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

Concen: 0.078 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013230.D

Acq: 19 Oct 2019 03:40

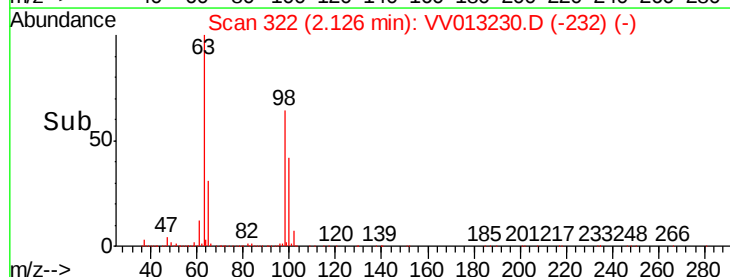
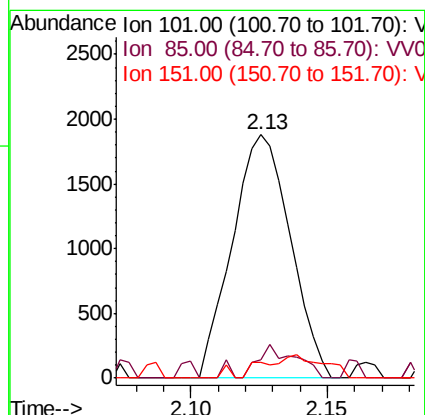
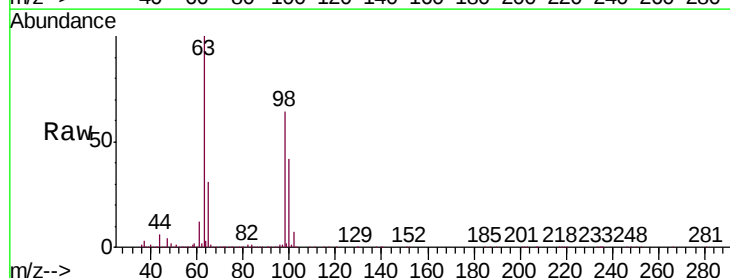
Tgt Ion: 101 Resp: 2775

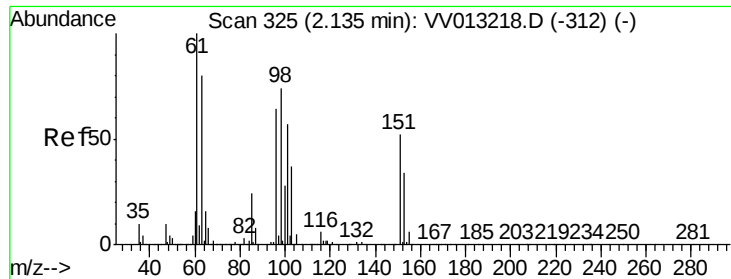
Ion Ratio Lower Upper

101 100

85 8.8 32.4 48.6#

151 2.4 71.9 107.9#

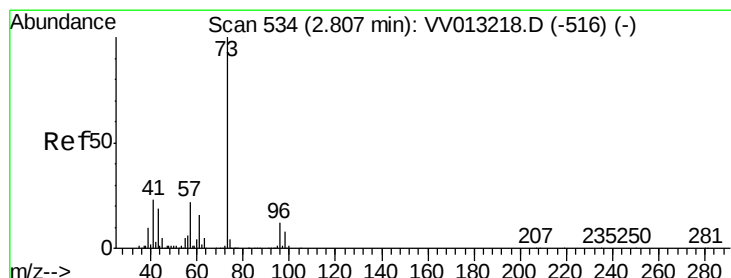
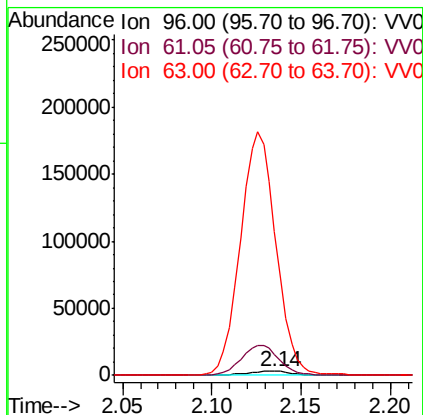
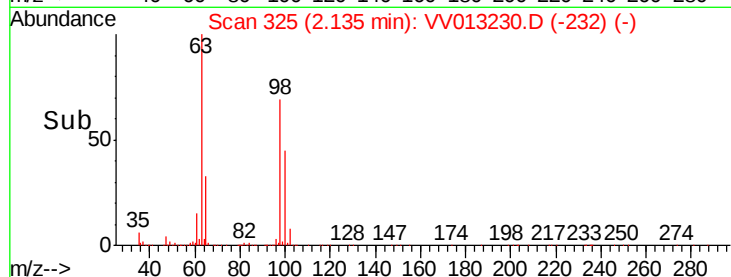
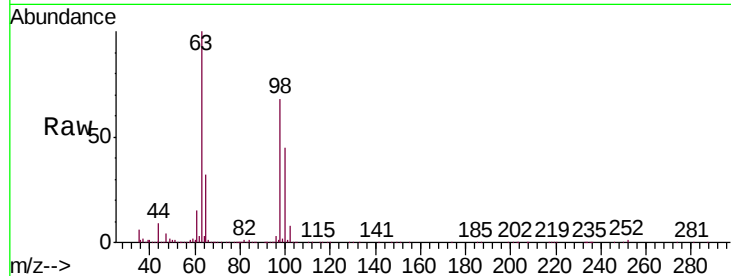




#12
 1,1-Dichloroethene
 Concen: 0.165 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV013230.D
 Acq: 19 Oct 2019 03:40

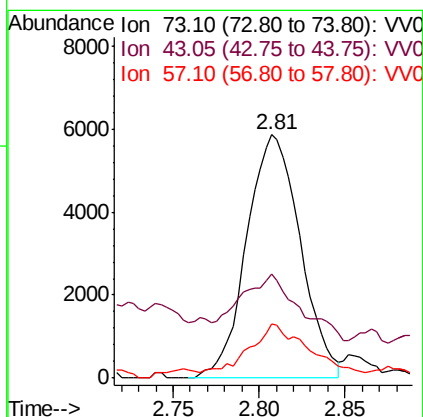
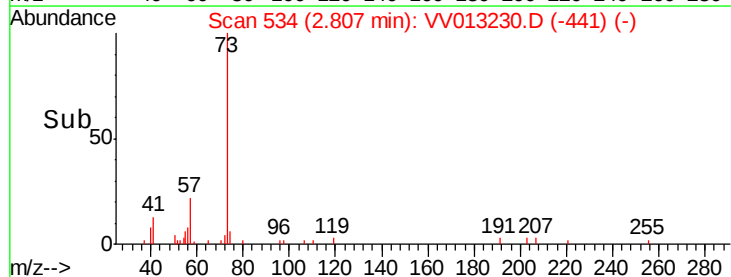
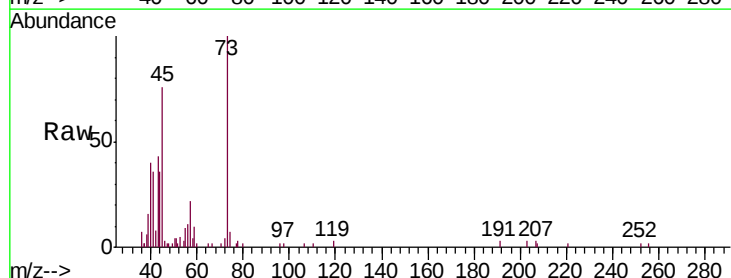
Instrument :
 MSVOA_V
 ClientSampleId :
 C0K19

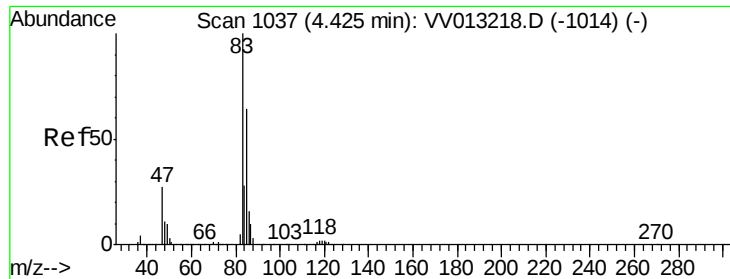
Tgt Ion: 96 Resp: 5557
 Ion Ratio Lower Upper
 96 100
 61 520.4 109.8 204.0#
 63 3512.4 72.6 134.8#



#17
 Methyl tert-butyl Ether
 Concen: 0.141 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV013230.D
 Acq: 19 Oct 2019 03:40

Tgt Ion: 73 Resp: 12684
 Ion Ratio Lower Upper
 73 100
 43 30.7 14.6 22.0#
 57 20.9 17.8 26.8

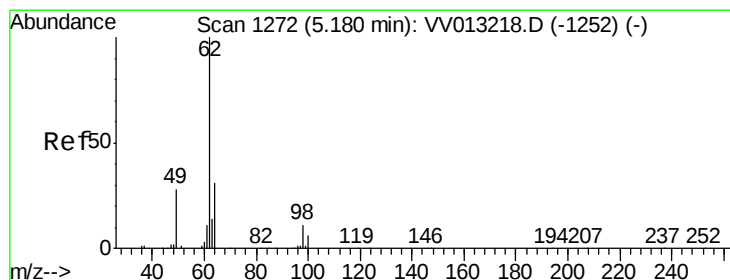
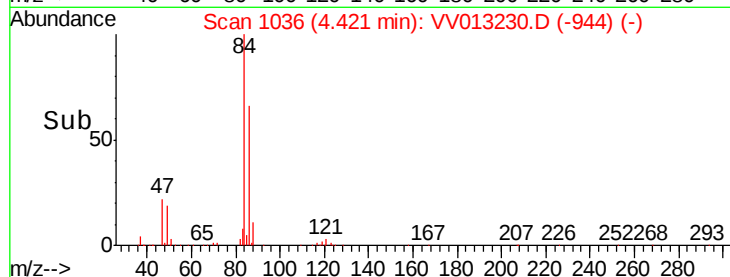
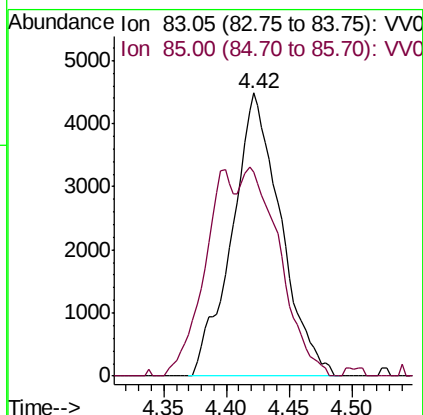
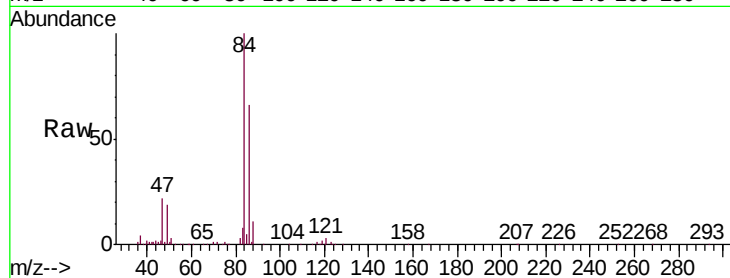




#25
Chloroform
Concen: 0.143 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013230.D
Acq: 19 Oct 2019 03:40

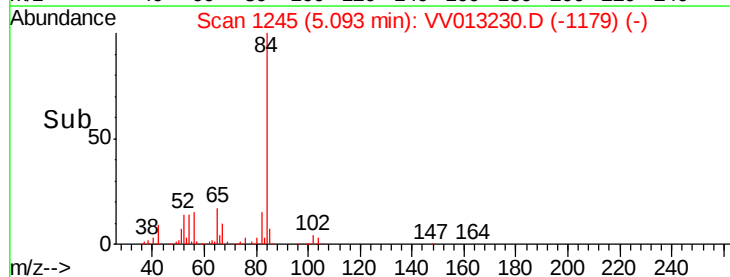
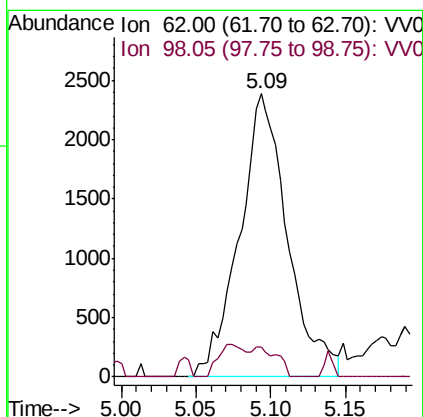
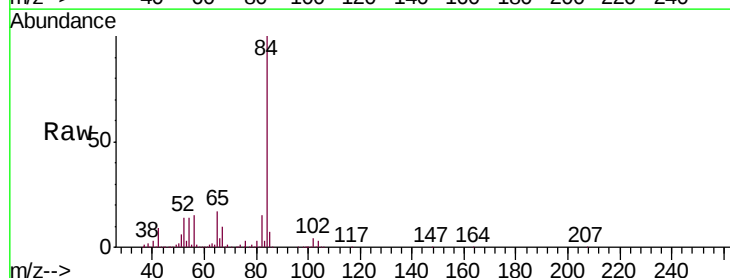
Instrument :
MSVOA_V
ClientSampleId :
C0K19

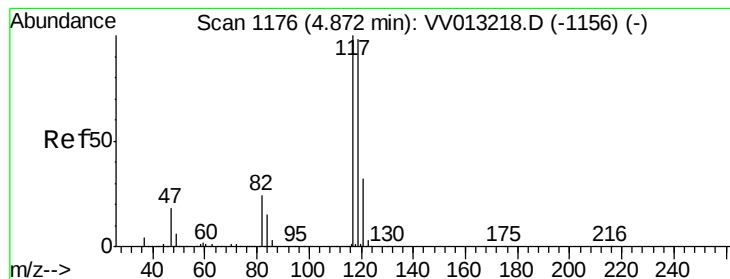
Tgt Ion: 83 Resp: 12106
Ion Ratio Lower Upper
83 100
85 71.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.115 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.09 min
Lab File: VV013230.D
Acq: 19 Oct 2019 03:40

Tgt Ion: 62 Resp: 5327
Ion Ratio Lower Upper
62 100
98 10.8 7.4 11.2





#31

Carbon tetrachloride

Concen: 0.146 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013230.D

Acq: 19 Oct 2019 03:40

Instrument :

MSVOA_V

ClientSampleId :

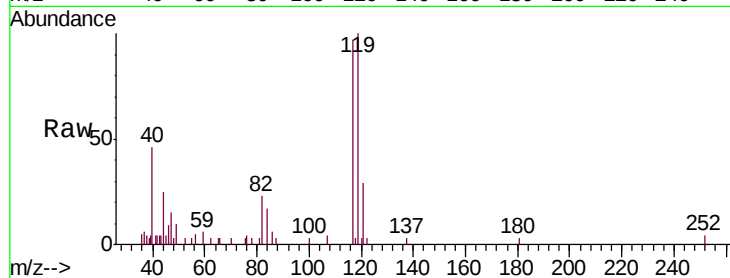
C0K19

Tgt Ion:117 Resp: 9242

Ion Ratio Lower Upper

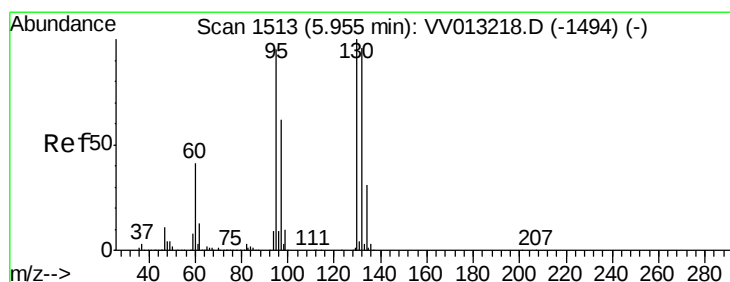
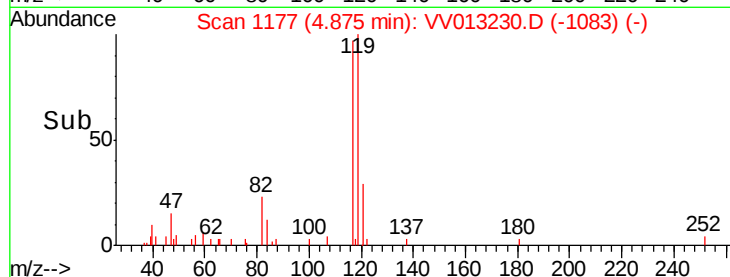
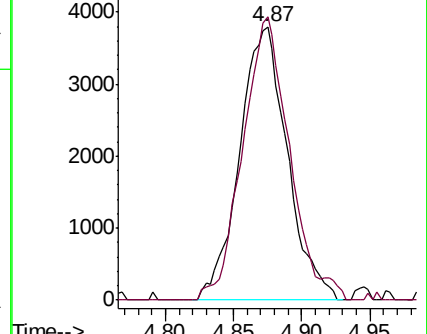
117 100

119 101.0 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.600 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013230.D

Acq: 19 Oct 2019 03:40

Tgt Ion: 95 Resp: 28943

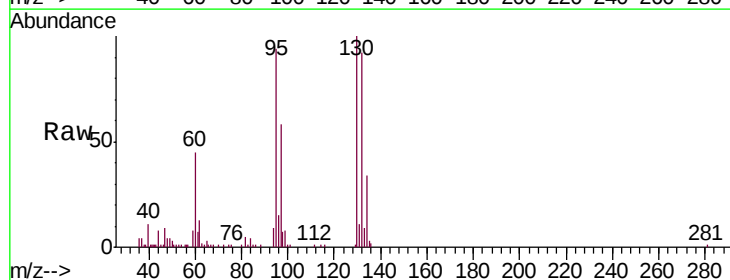
Ion Ratio Lower Upper

95 100

97 61.7 44.7 82.9

132 97.8 68.9 127.9

130 105.9 72.7 134.9

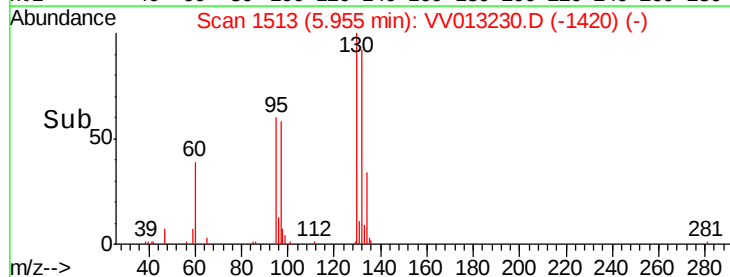
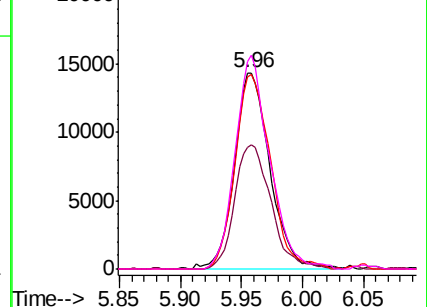


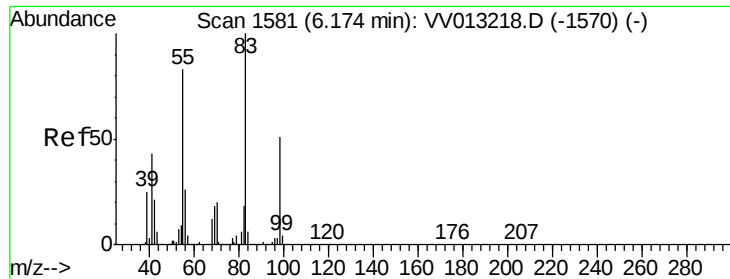
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.817 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013230.D

Acq: 19 Oct 2019 03:40

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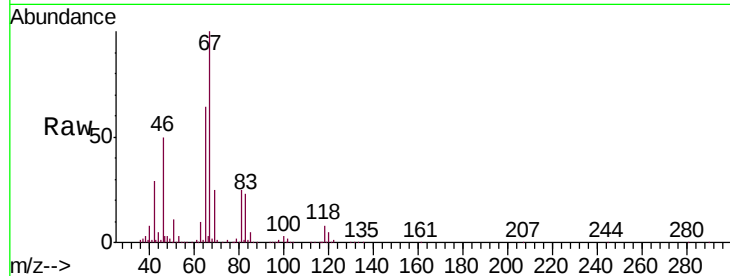
Tgt Ion: 83 Resp: 60408

Ion Ratio Lower Upper

83 100

55 1.2 64.0 96.0#

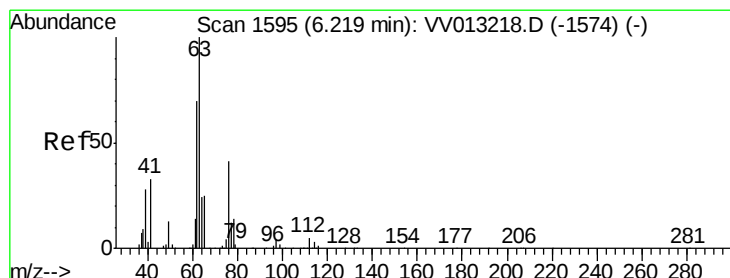
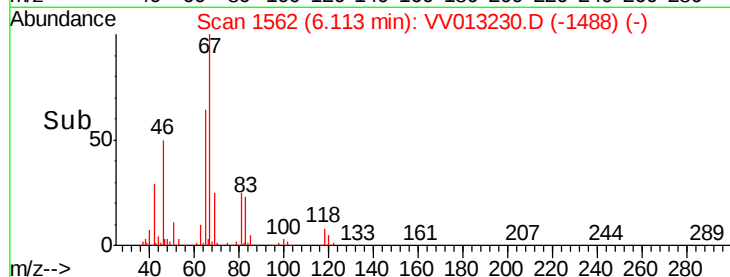
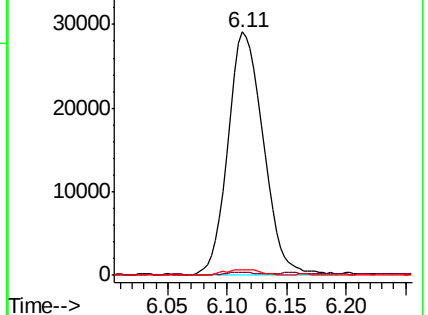
98 2.3 38.6 57.8#



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: 0.602 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV013230.D

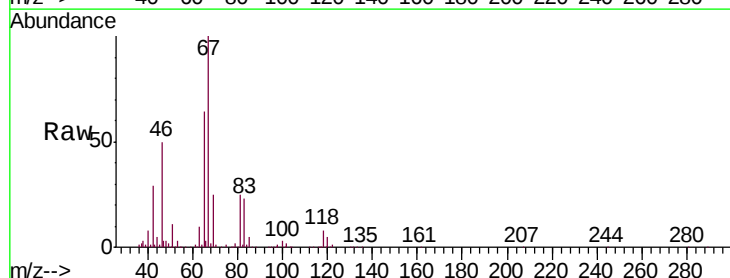
Acq: 19 Oct 2019 03:40

Tgt Ion: 63 Resp: 27578

Ion Ratio Lower Upper

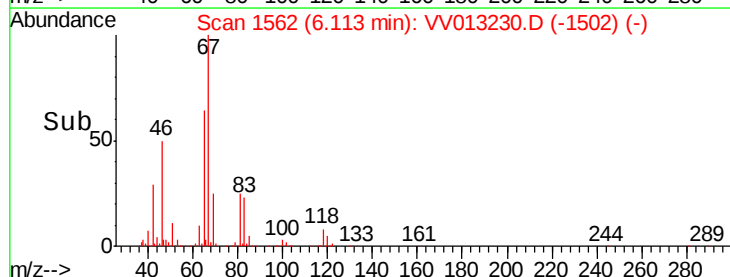
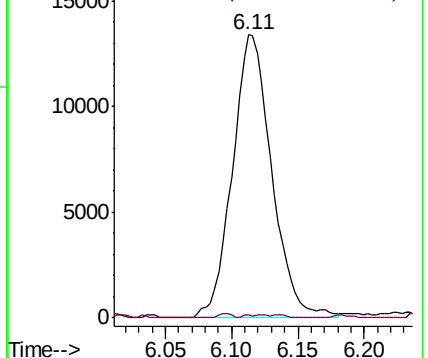
63 100

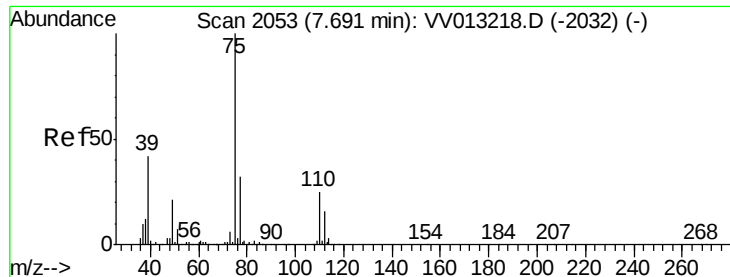
112 0.3 3.8 5.8#



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: 0.076 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013230.D

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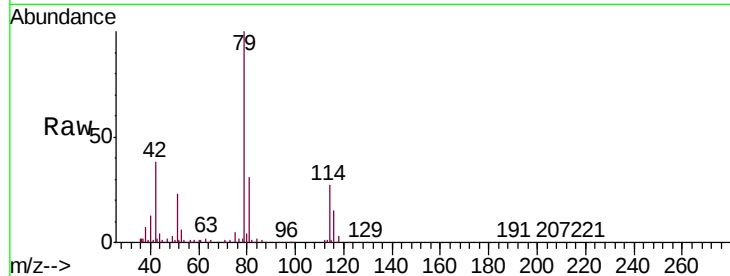
C0K19

Tgt Ion: 75 Resp: 3569

Ion Ratio Lower Upper

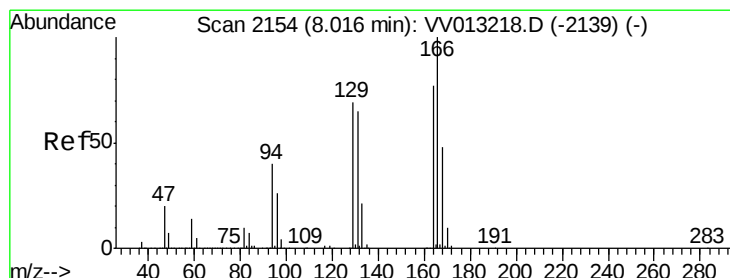
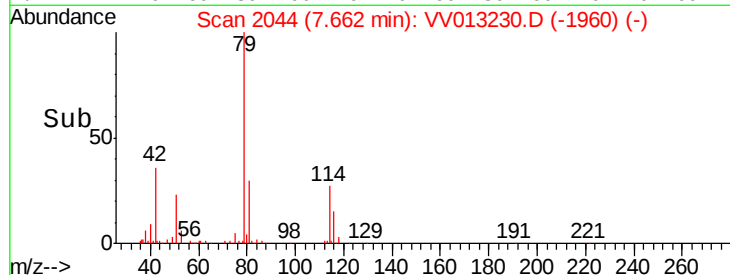
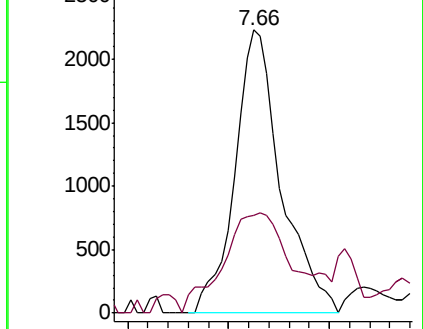
75 100

77 34.6 21.8 40.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

Tetrachloroethene

Concen: 0.567 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013230.D

Acq: 19 Oct 2019 03:40

Tgt Ion: 164 Resp: 23905

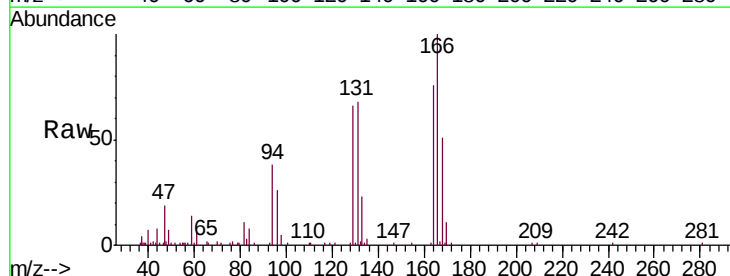
Ion Ratio Lower Upper

164 100

129 87.4 62.2 115.4

131 90.6 59.9 111.3

166 132.4 91.1 169.1

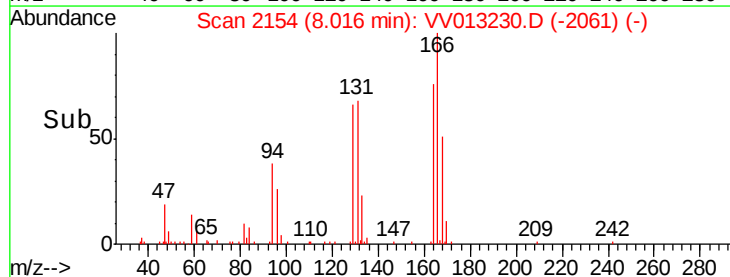
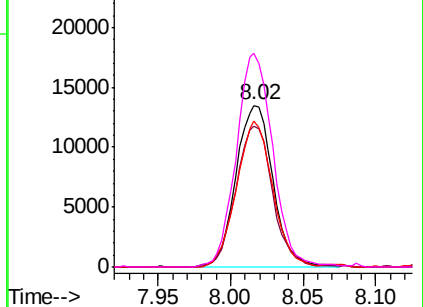


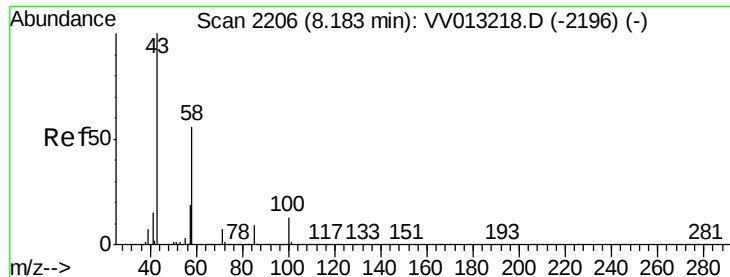
Abundance Ion 163.90 (163.60 to 164.60): V

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

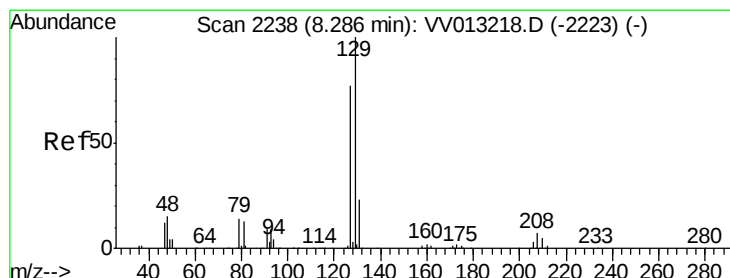
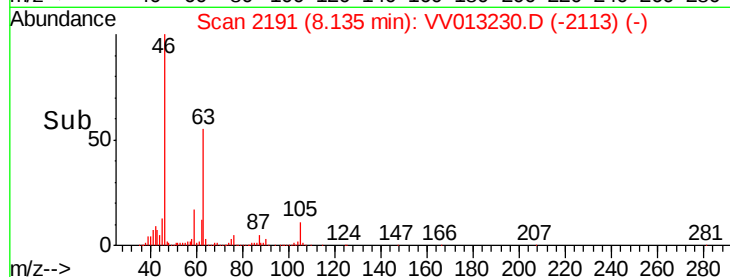
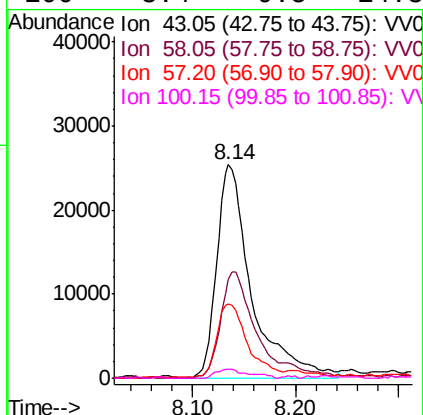
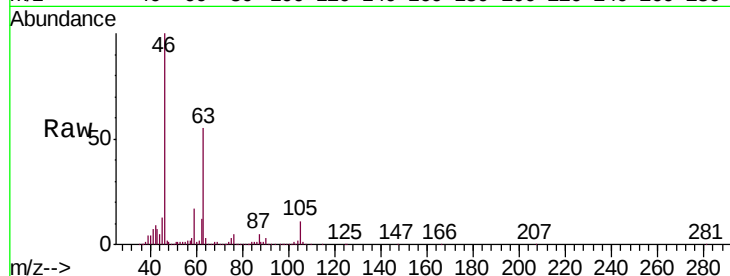




#48
2-Hexanone
Concen: 3.345 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013230.D
Acq: 19 Oct 2019 03:40

Instrument :
MSVOA_V
ClientSampleId :
C0K19

Tgt Ion: 43 Resp: 59892
Ion Ratio Lower Upper
43 100
58 52.2 44.2 66.2
57 30.2 14.5 21.7#
100 3.4 9.5 14.3#



#49
Dibromochloromethane
Concen: 0.523 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013230.D
Acq: 19 Oct 2019 03:40

Tgt Ion: 129 Resp: 19704
Ion Ratio Lower Upper
129 100
127 0.0 53.2 98.8#

