

Data File : VV013258.D
Acq On : 21 Oct 2019 21:46
Operator : SY/MD
Sample : K5457-17
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0K22

Quant Time: Oct 22 03:56:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 03:42:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	452112	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	491729	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	250153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	174225	5.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.60%
7) Chloroethane-d5	1.58	69	145250	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.13	63	229874	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.97	46	423200	66.11	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.22%#
24) Chloroform-d	4.40	84	389523	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.08	65	189557	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.10	84	785300	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.12	67	240004	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.36	98	656123	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.66	79	79035	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.13	63	308776	47.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	167000	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	256805	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2824	0.076	ug/L #	22
12) 1,1-Dichloroethene	2.14	96	28910	0.813	ug/L #	1
17) Methyl tert-butyl Ether	2.81	73	5034	0.061	ug/L #	90
19) 1,1-Dichloroethane	3.23	63	9354	0.137	ug/L	86
22) cis-1,2-Dichloroethene	3.96	96	20173	0.450	ug/L #	85
25) Chloroform	4.42	83	50486	0.569	ug/L	98
27) 1,2-Dichloroethane	5.19	62	4229	0.089	ug/L	99
31) Carbon tetrachloride	4.87	117	76266	1.170	ug/L	99
34) Trichloroethene	5.96	95	87978	1.746	ug/L	97
35) Methylcyclohexane	6.12	83	60412	0.779	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	25801	0.566	ug/L #	86
47) Tetrachloroethene	8.02	164	47477	1.038	ug/L	98
48) 2-Hexanone	8.13	43	48368	2.906	ug/L #	71
49) Dibromochloromethane	8.02	129	39840	0.993	ug/L #	11

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

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ALS Vial      : 20      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
C0K22

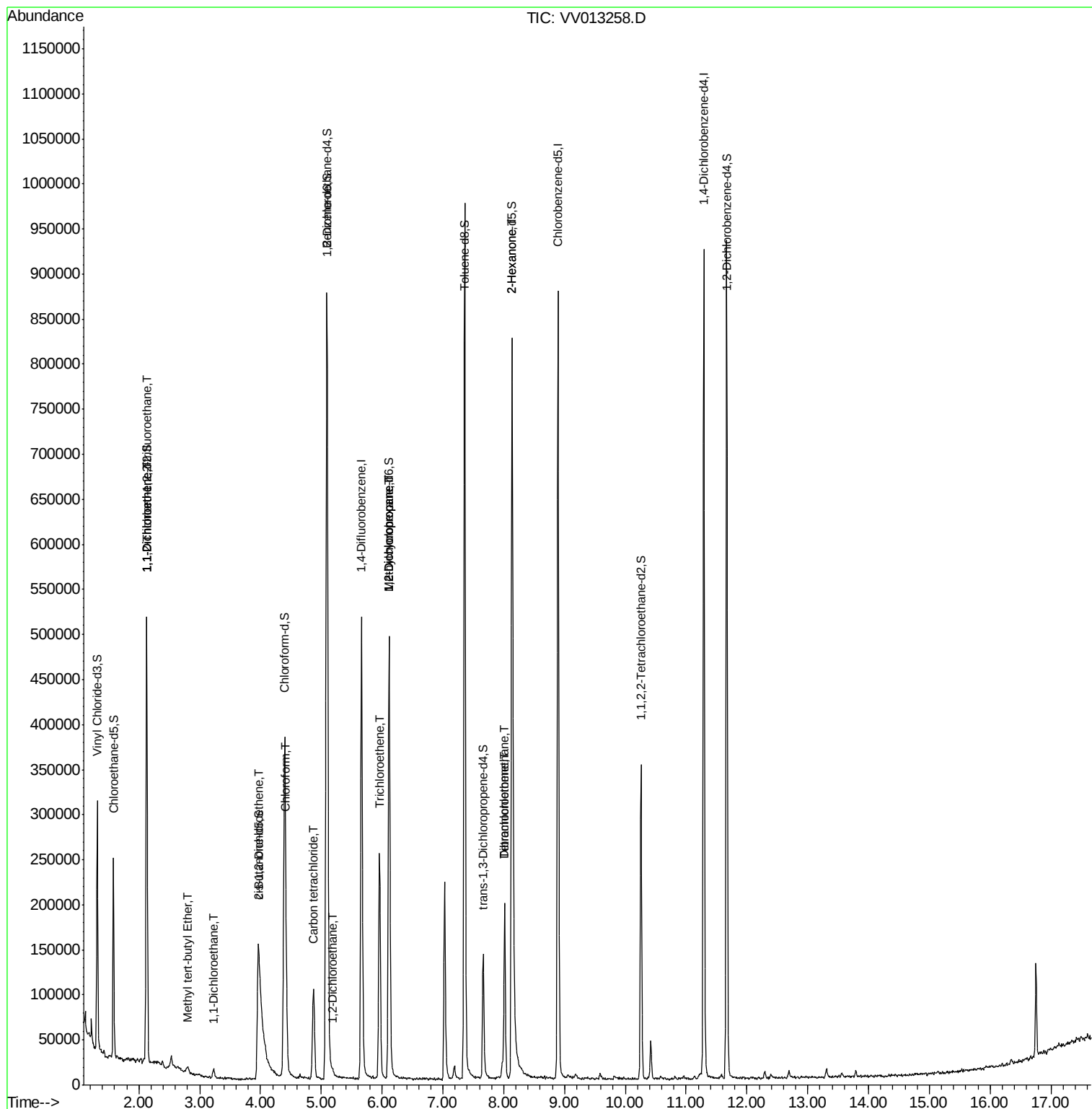
Quant Time: Oct 22 03:56:35 2019

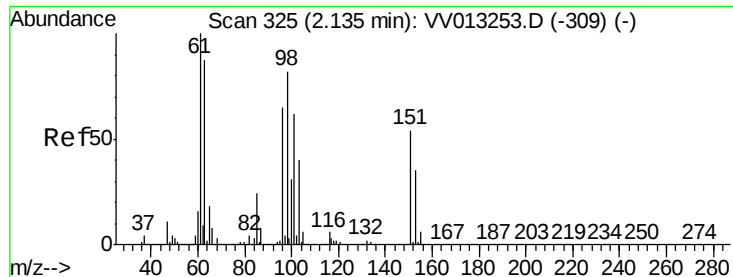
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR102119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Oct 22 03:42:02 2019

Response via : Initial Calibration





#10

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

Concen: 0.076 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Instrument :

MSVOA_V

ClientSampleId :

C0K22

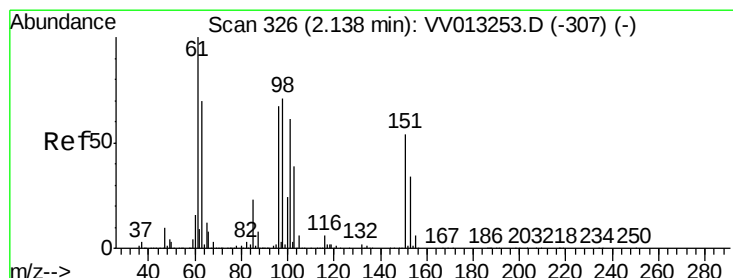
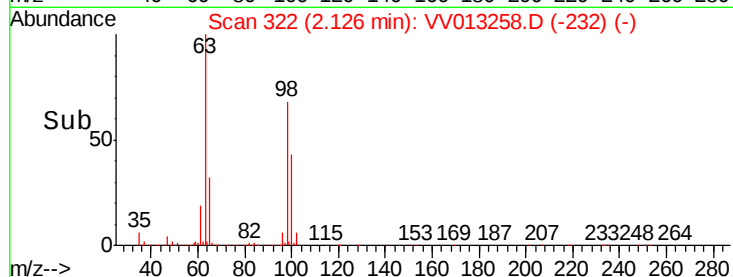
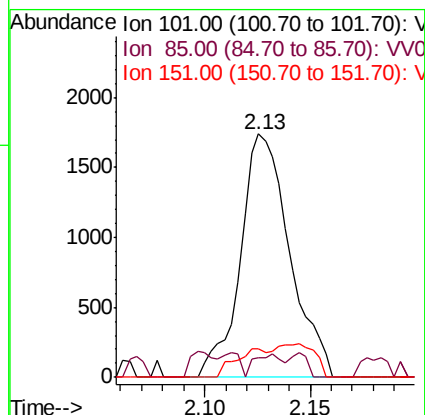
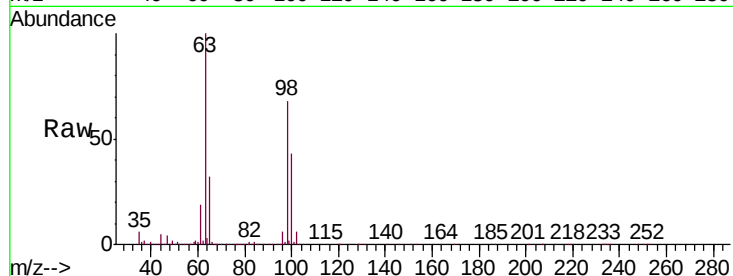
Tgt Ion: 101 Resp: 2824

Ion Ratio Lower Upper

101 100

85 5.6 31.8 47.8#

151 7.4 72.9 109.3#



#12

1,1-Dichloroethene

Concen: 0.813 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

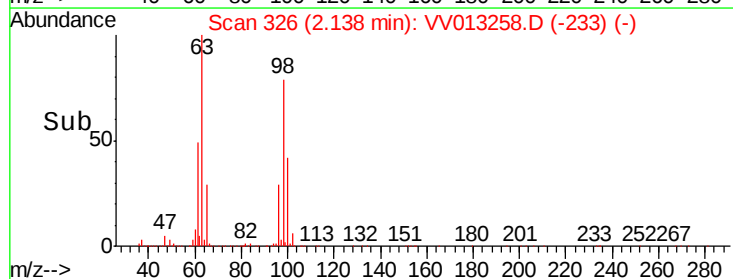
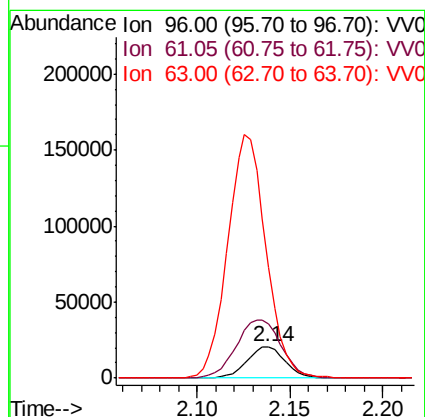
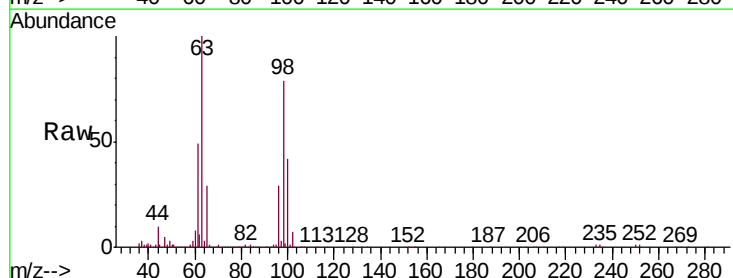
Tgt Ion: 96 Resp: 28910

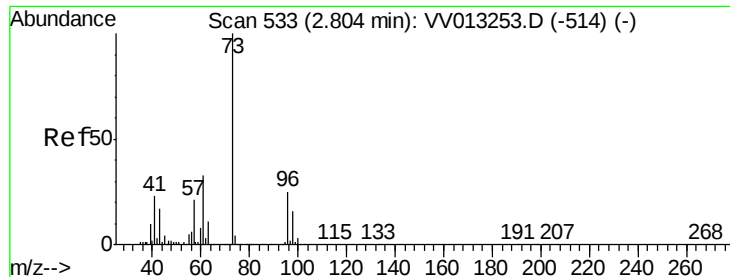
Ion Ratio Lower Upper

96 100

61 169.6 104.0 193.1

63 348.1 67.1 124.5#





#17

Methyl tert-butyl Ether

Concen: 0.061 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.01 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Instrument :

MSVOA_V

ClientSampleId :

C0K22

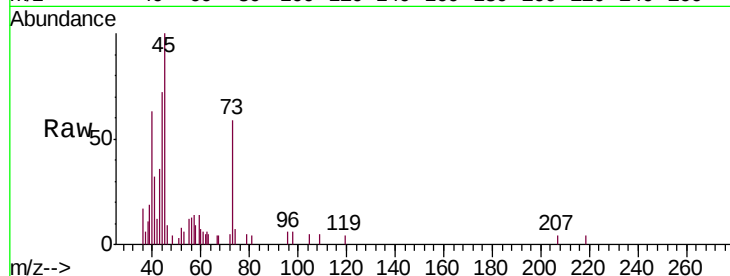
Tgt Ion: 73 Resp: 5034

Ion Ratio Lower Upper

73 100

43 9.5 13.1 19.7#

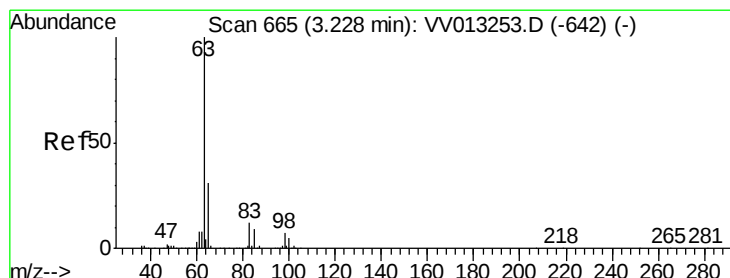
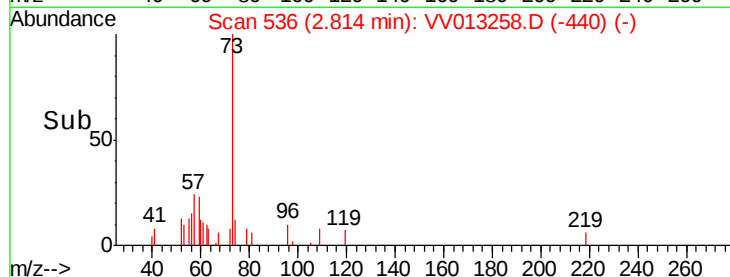
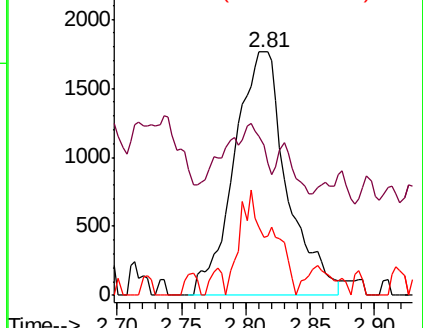
57 17.8 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV013253.D (-514) (-)

Ion 43.05 (42.75 to 43.75): VV013253.D (-514) (-)

Ion 57.10 (56.80 to 57.80): VV013253.D (-514) (-)



#19

1,1-Dichloroethane

Concen: 0.137 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

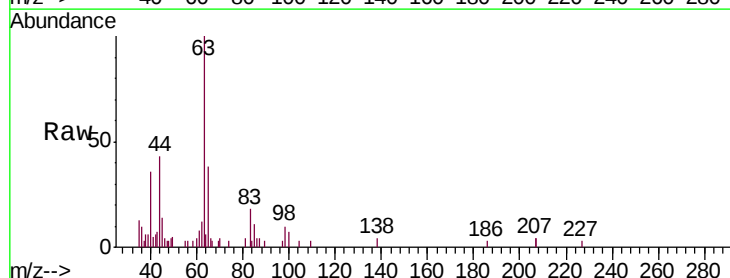
Tgt Ion: 63 Resp: 9354

Ion Ratio Lower Upper

63 100

65 41.9 23.0 42.8

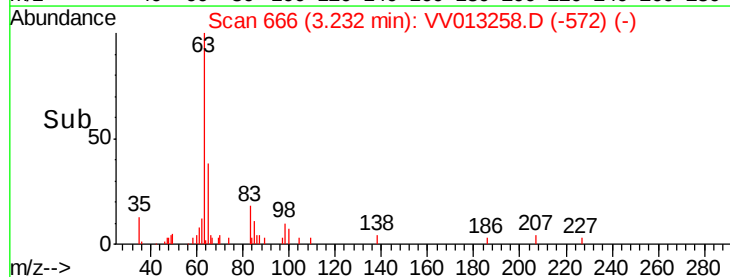
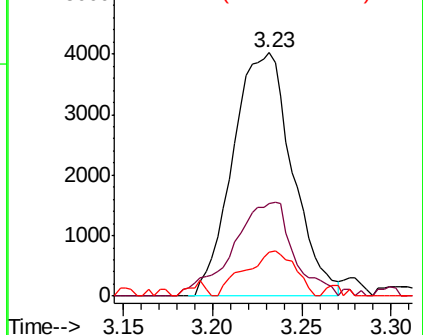
83 18.3 10.2 19.0

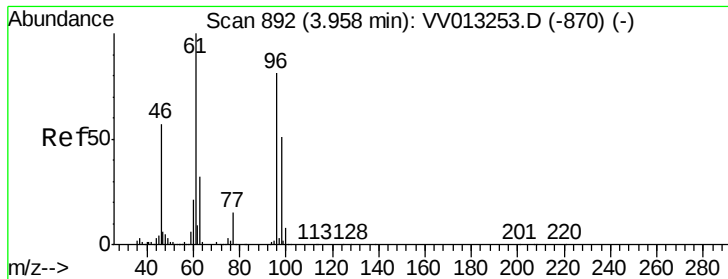


Abundance Ion 63.10 (62.80 to 63.80): VV013253.D (-642) (-)

Ion 65.10 (64.80 to 65.80): VV013253.D (-642) (-)

Ion 83.05 (82.75 to 83.75): VV013253.D (-642) (-)



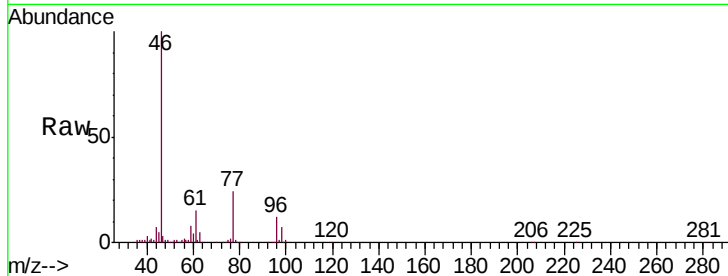


#22

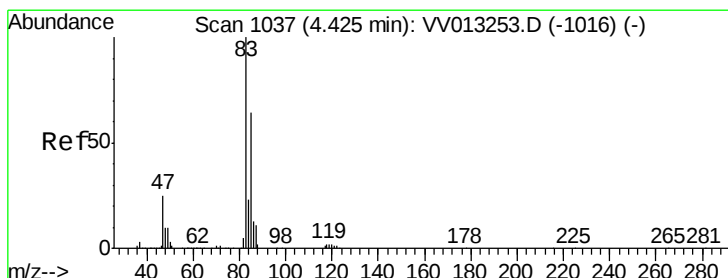
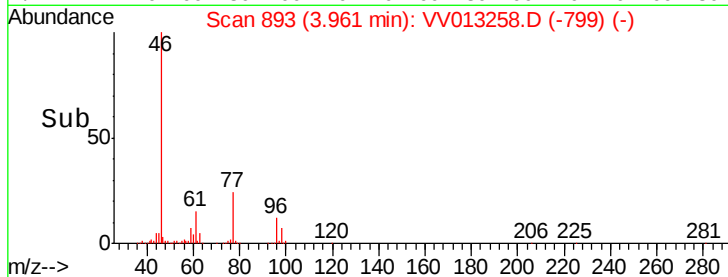
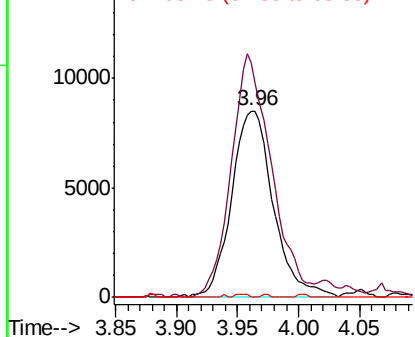
cis-1,2-Dichloroethene
 Concen: 0.450 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013258.D
 Acq: 21 Oct 2019 21:46

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K22

Tgt Ion: 96 Resp: 20173
 Ion Ratio Lower Upper
 96 100
 61 126.4 77.3 143.7
 68 0.0 0.1 0.1#



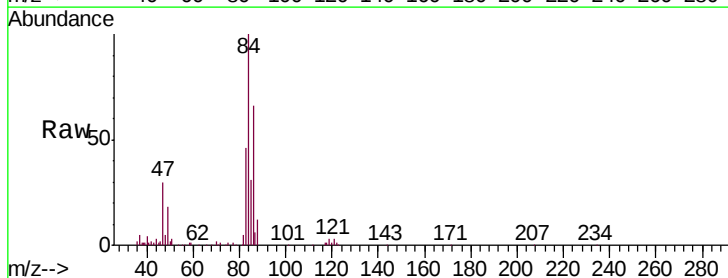
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



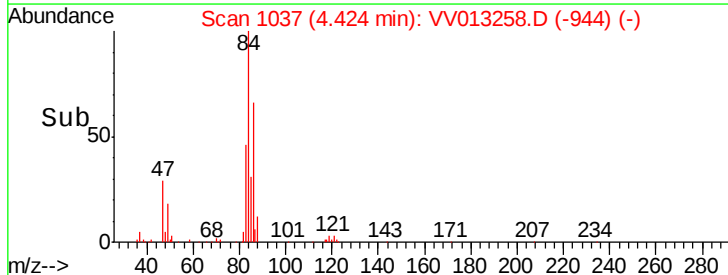
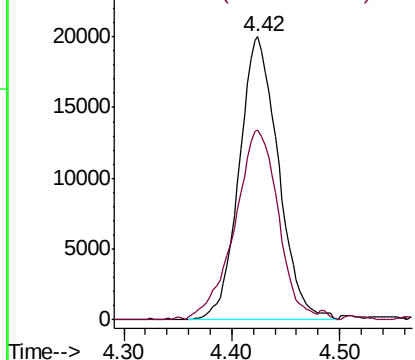
#25

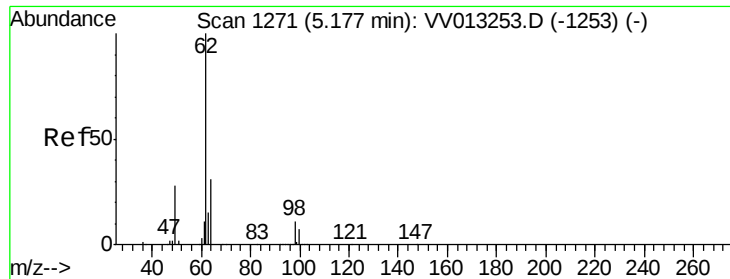
Chloroform
 Concen: 0.569 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV013258.D
 Acq: 21 Oct 2019 21:46

Tgt Ion: 83 Resp: 50486
 Ion Ratio Lower Upper
 83 100
 85 67.0 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.089 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Instrument :

MSVOA_V

ClientSampleId :

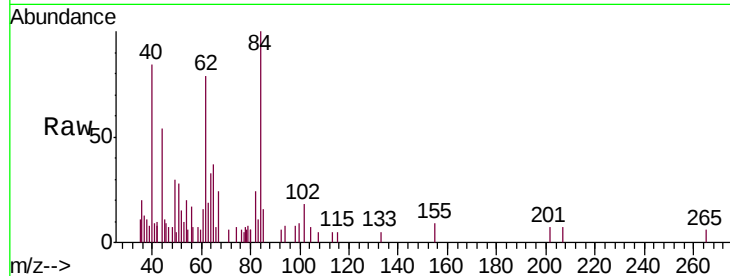
C0K22

Tgt Ion: 62 Resp: 4229

Ion Ratio Lower Upper

62 100

98 10.0 8.3 12.5



Abundance Ion 62.00 (61.70 to 62.70): VV013253.D (-1253) (-)

Ion 98.05 (97.75 to 98.75): VV013253.D (-1253) (-)

2000

1500

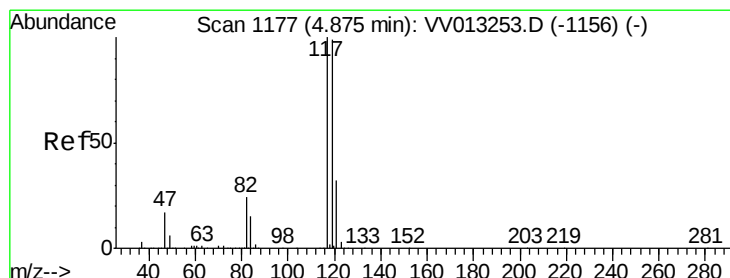
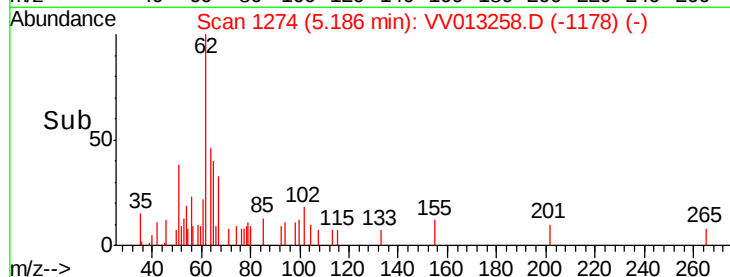
1000

500

0

5.10 5.15 5.20 5.25

Time-->



#31

Carbon tetrachloride

Concen: 1.170 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013258.D

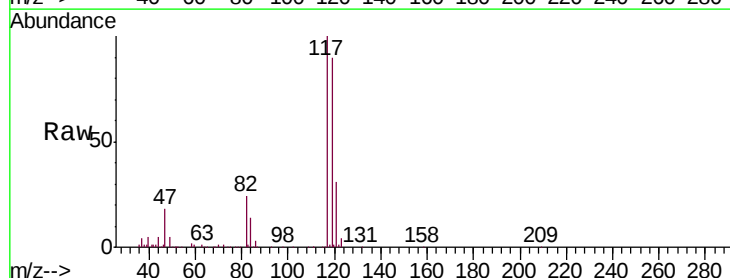
Acq: 21 Oct 2019 21:46

Tgt Ion: 117 Resp: 76266

Ion Ratio Lower Upper

117 100

119 96.2 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): VV013253.D (-1156) (-)

Ion 118.90 (118.60 to 119.60): VV013253.D (-1156) (-)

30000

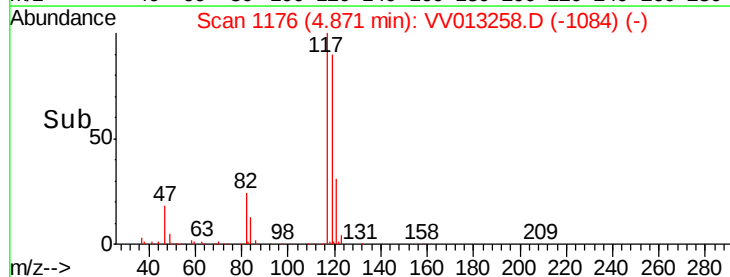
20000

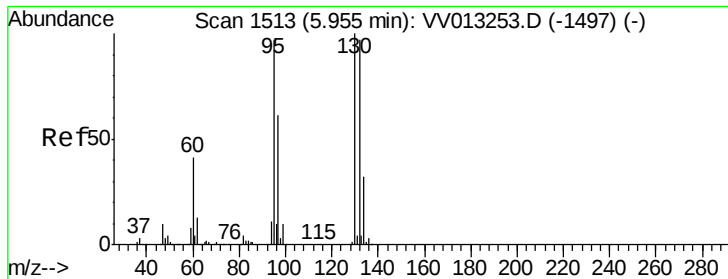
10000

0

4.75 4.80 4.85 4.90 4.95

Time-->





#34

Trichloroethene

Concen: 1.746 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Instrument :

MSVOA_V

ClientSampleId :

C0K22

Tgt Ion: 95 Resp: 87978

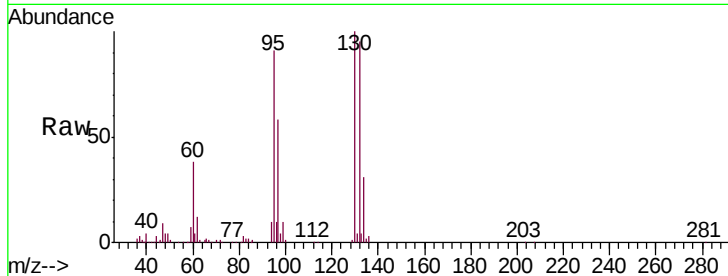
Ion Ratio Lower Upper

95 100

97 63.4 45.2 84.0

132 104.8 70.6 131.2

130 109.9 75.5 140.3

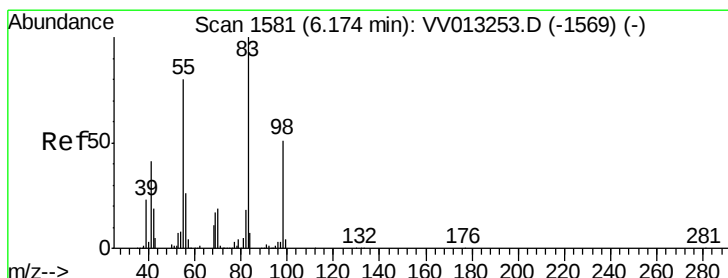
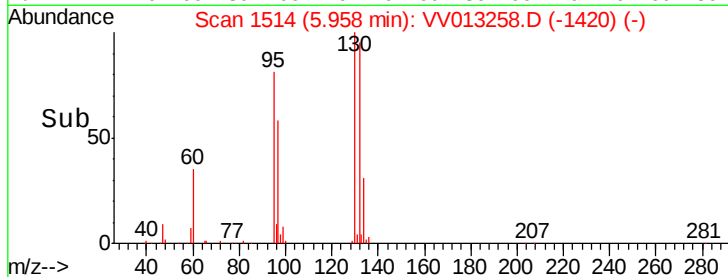
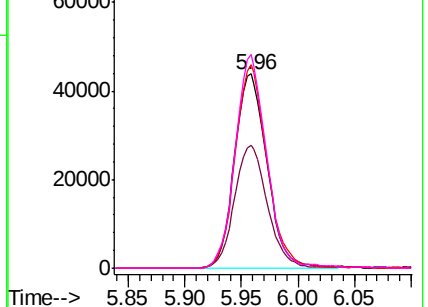


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.779 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

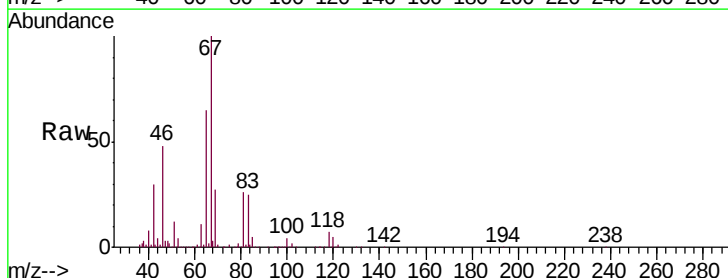
Tgt Ion: 83 Resp: 60412

Ion Ratio Lower Upper

83 100

55 0.9 62.4 93.6#

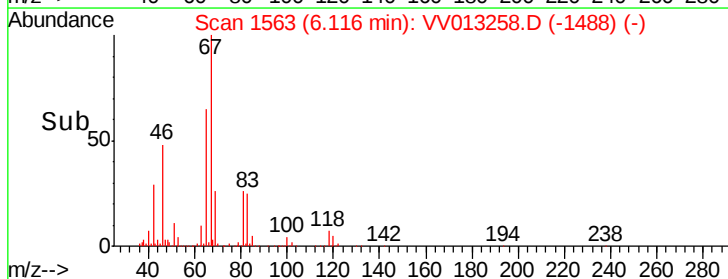
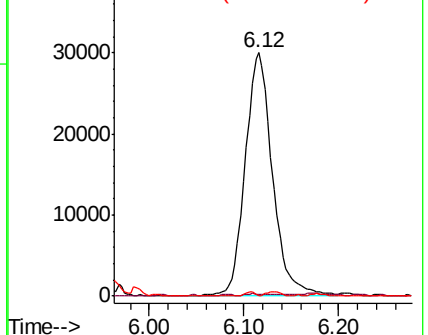
98 0.6 39.2 58.8#

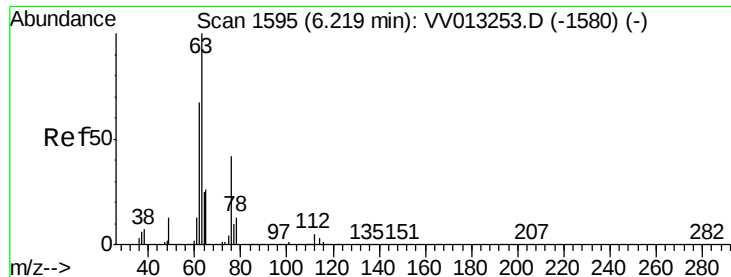


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.566 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Instrument :

MSVOA_V

ClientSampleId :

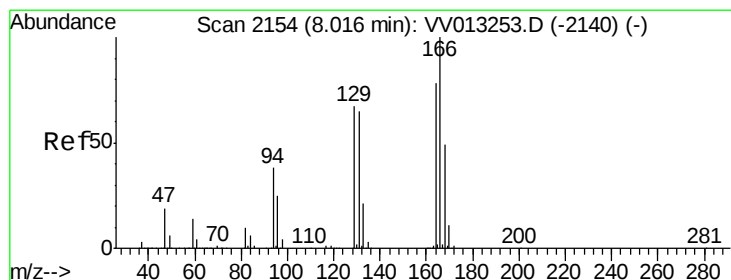
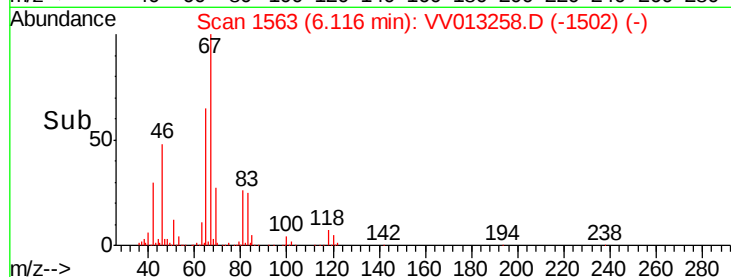
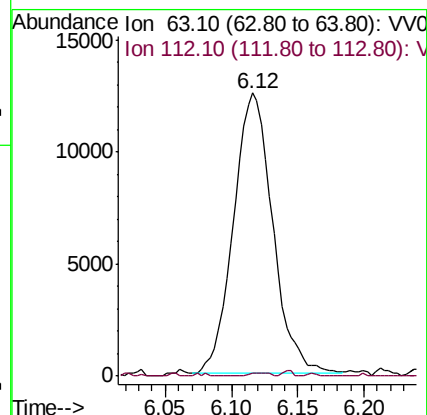
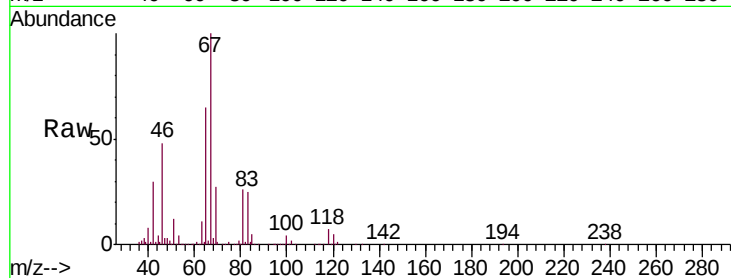
C0K22

Tgt Ion: 63 Resp: 25801

Ion Ratio Lower Upper

63 100

112 0.6 4.1 6.1#



#47

Tetrachloroethene

Concen: 1.038 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013258.D

Acq: 21 Oct 2019 21:46

Tgt Ion: 164 Resp: 47477

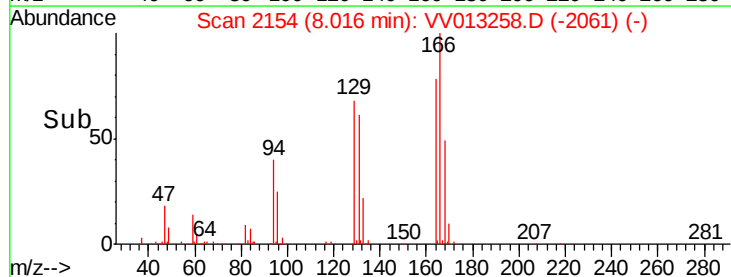
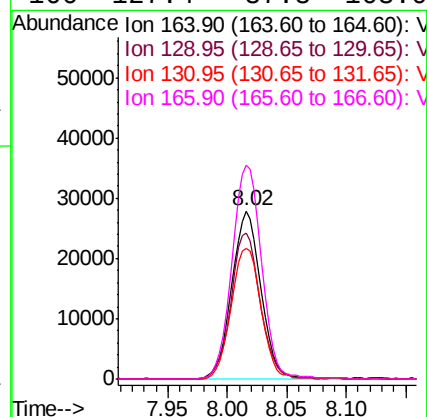
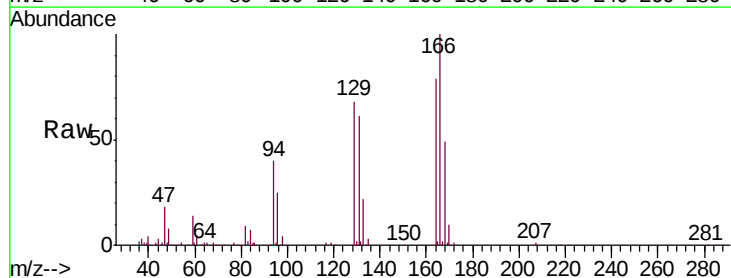
Ion Ratio Lower Upper

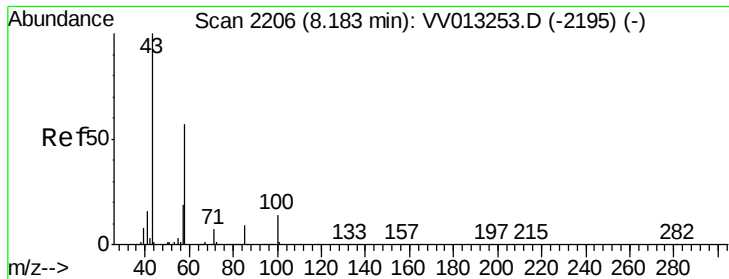
164 100

129 86.9 61.0 113.2

131 78.1 57.5 106.9

166 127.4 87.8 163.0

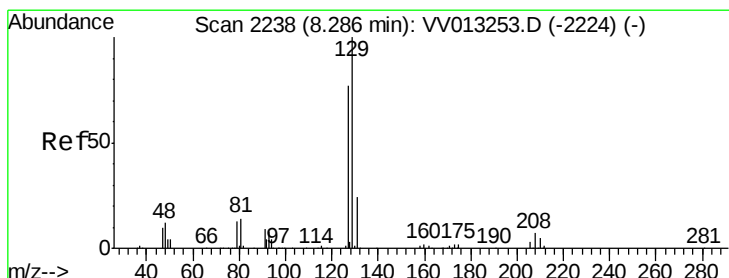
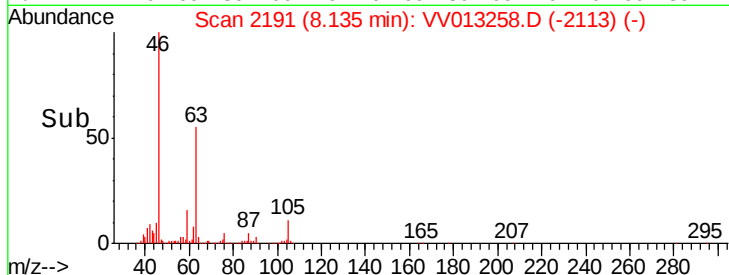
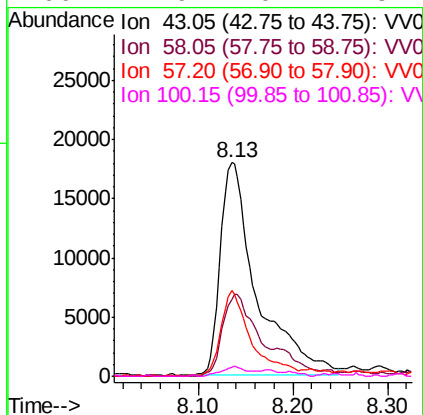
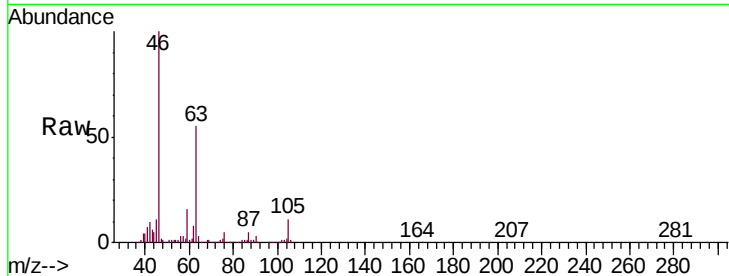




#48
2-Hexanone
Concen: 2.906 ug/L
RT: 8.13 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013258.D
Acq: 21 Oct 2019 21:46

Instrument :
MSVOA_V
ClientSampleId :
C0K22

Tgt Ion:	43	Resp:	48368
Ion	Ratio	Lower	Upper
43	100		
58	35.0	45.1	67.7#
57	33.7	15.5	23.3#
100	2.9	10.2	15.2#



#49
Dibromochloromethane
Concen: 0.993 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013258.D
Acq: 21 Oct 2019 21:46

Tgt Ion:	129	Resp:	39840
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.1	100.5#

