

Data File : VV013217.D
Acq On : 18 Oct 2019 21:36
Operator : SY/MD
Sample : K5321-14
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0AB1

Quant Time: Oct 19 04:29:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 04:23:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	479080	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	475899	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	251694	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	210015	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.58	69	178917	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	253398	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	3.96	46	477054	47.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.74%
24) Chloroform-d	4.40	84	410760	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.08	65	201882	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.09	84	857352	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.11	67	255556	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.36	98	721277	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.66	79	84521	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.13	63	343434	44.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.46%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	177153	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	272614	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

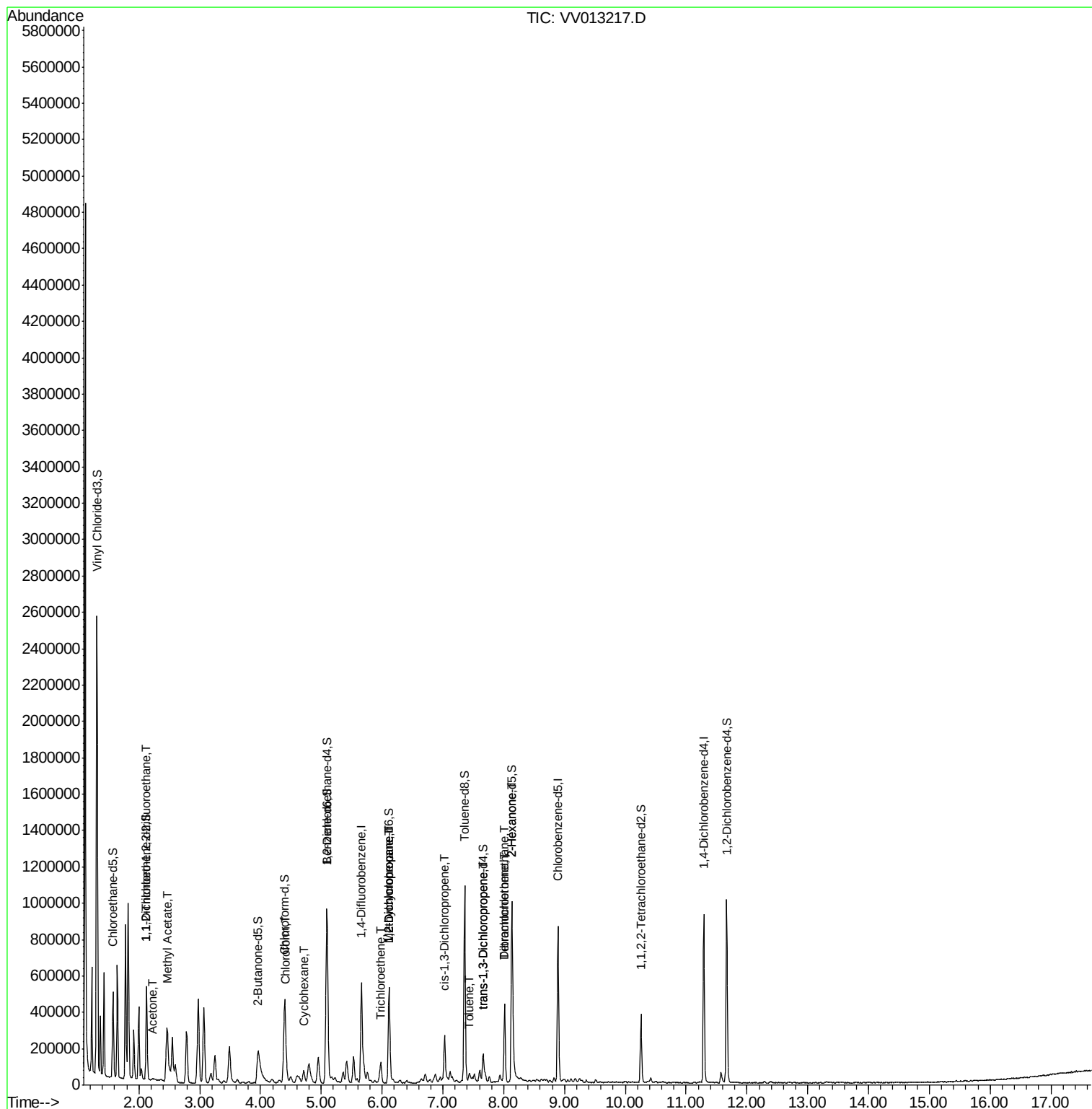
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2891	0.072	ug/L #	17
13) Acetone	2.22	43	15194	3.296	ug/L	87
15) Methyl Acetate	2.45	43	64728	5.699	ug/L #	50
25) Chloroform	4.42	83	30483	0.316	ug/L	86
30) Cyclohexane	4.71	56	14244	0.188	ug/L #	40
34) Trichloroethene	5.96	95	10036	0.202	ug/L	92
35) Methylcyclohexane	6.11	83	61904	0.812	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	26982	0.571	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	5913	0.094	ug/L #	55
42) Toluene	7.43	91	21404	0.109	ug/L	96
44) trans-1,3-Dichloropropene	7.66	75	3851	0.079	ug/L #	62
47) Tetrachloroethene	8.02	164	101091	2.326	ug/L	97
48) 2-Hexanone	8.14	43	50262	2.722	ug/L #	80
49) Dibromochloromethane	8.02	129	87238	2.247	ug/L #	12

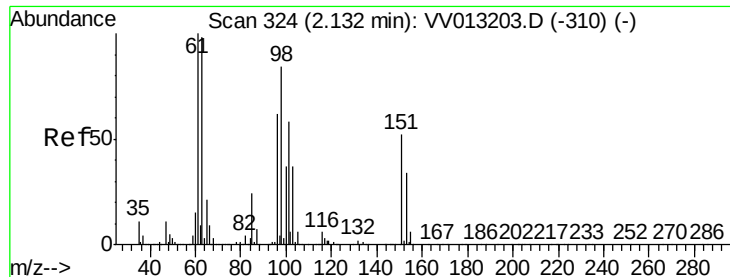
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 19 04:23:16 2019
Response via : Initial Calibration





#10

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

Concen: 0.072 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013217.D

Acq: 18 Oct 2019 21:36

Instrument :

MSVOA_V

ClientSampleId :

E0AB1

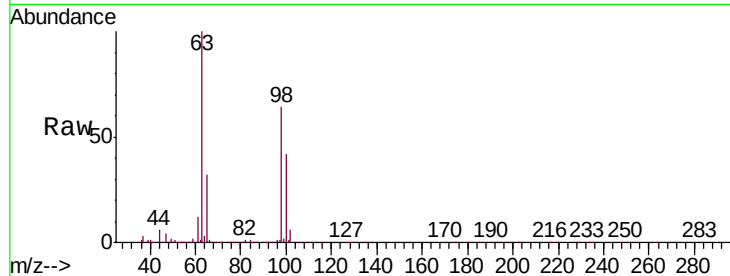
Tgt Ion:101 Resp: 2891

Ion Ratio Lower Upper

101 100

85 5.3 32.4 48.6#

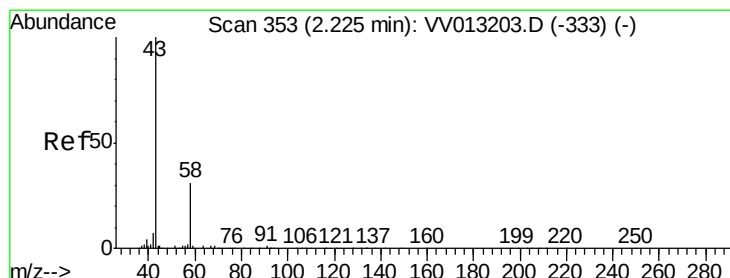
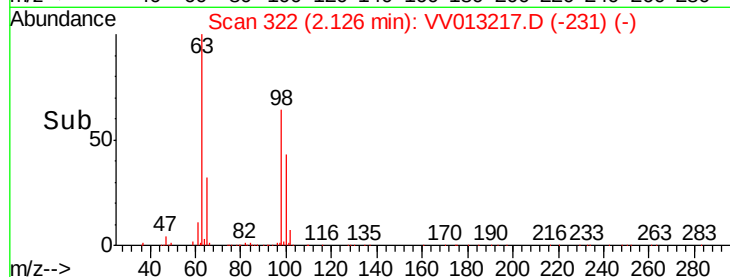
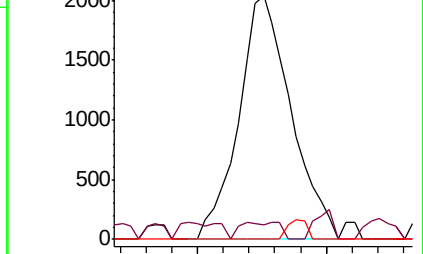
151 0.0 71.9 107.9#



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



#13

Acetone

Concen: 3.296 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV013217.D

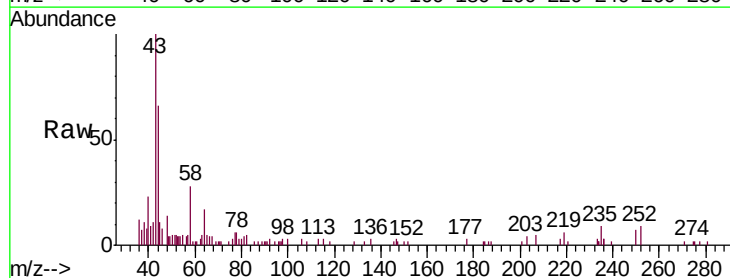
Acq: 18 Oct 2019 21:36

Tgt Ion: 43 Resp: 15194

Ion Ratio Lower Upper

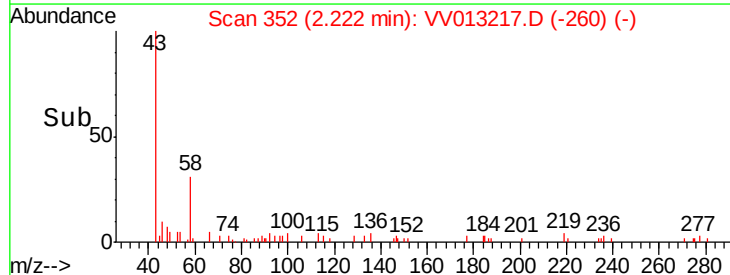
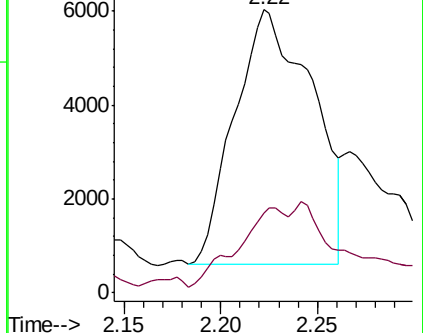
43 100

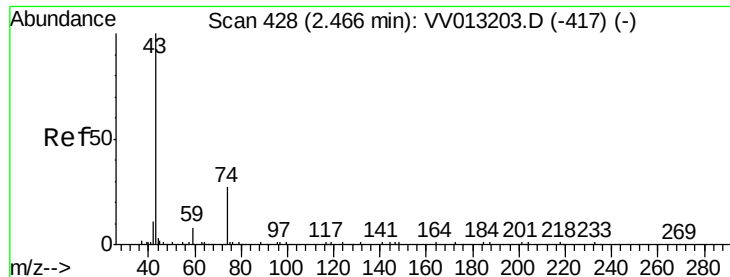
58 19.8 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#15

Methyl Acetate

Concen: 5.699 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.01 min

Lab File: VV013217.D

Acq: 18 Oct 2019 21:36

Instrument :

MSVOA_V

ClientSampleId :

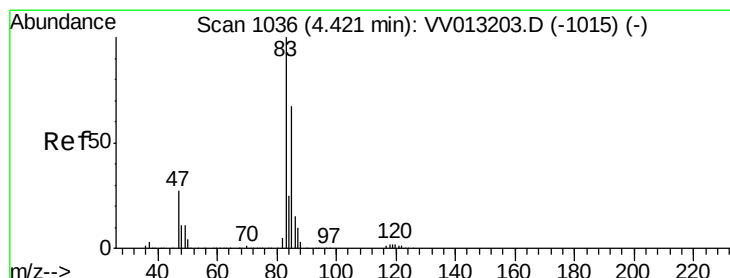
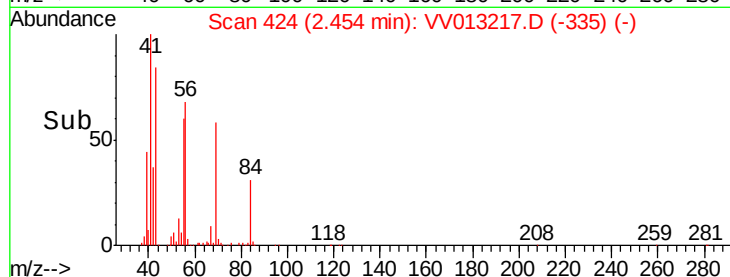
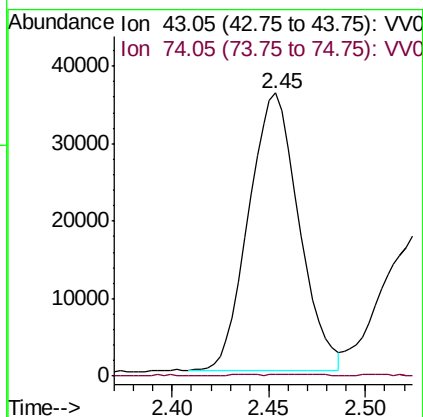
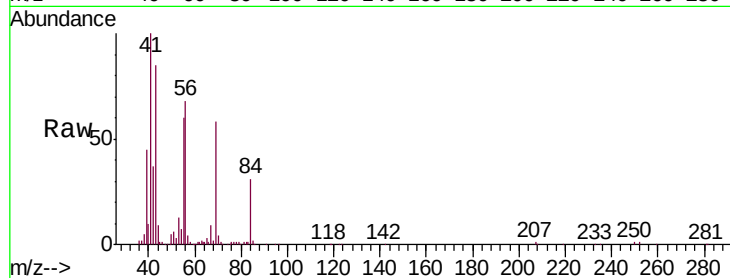
E0AB1

Tgt Ion: 43 Resp: 64728

Ion Ratio Lower Upper

43 100

74 0.7 20.7 31.1#



#25

Chloroform

Concen: 0.316 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013217.D

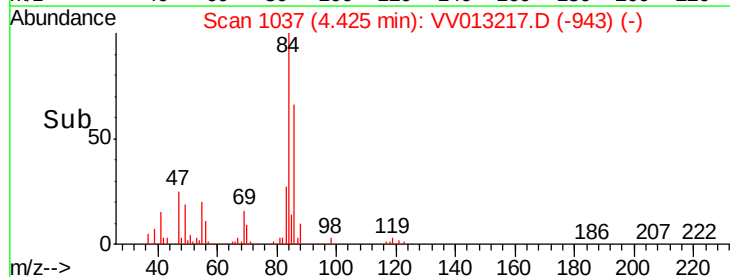
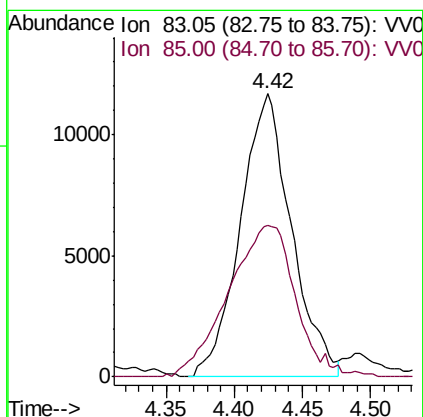
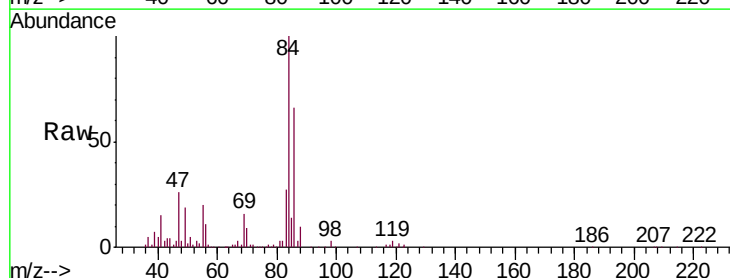
Acq: 18 Oct 2019 21:36

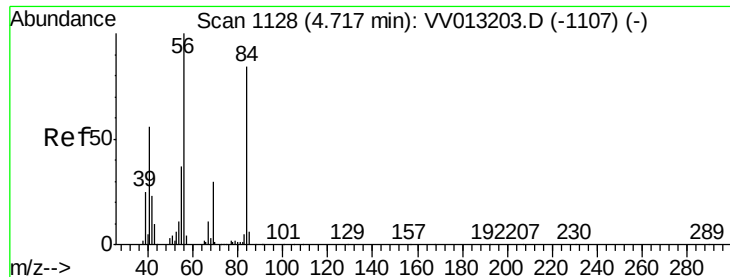
Tgt Ion: 83 Resp: 30483

Ion Ratio Lower Upper

83 100

85 53.6 45.5 84.5

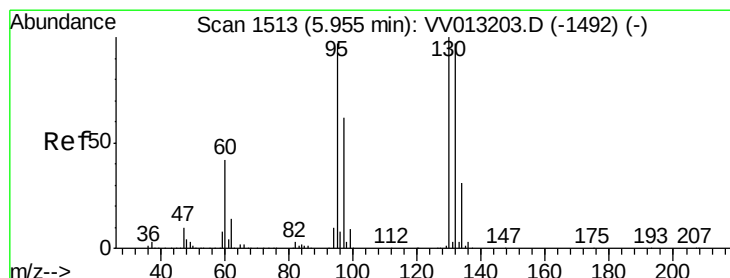
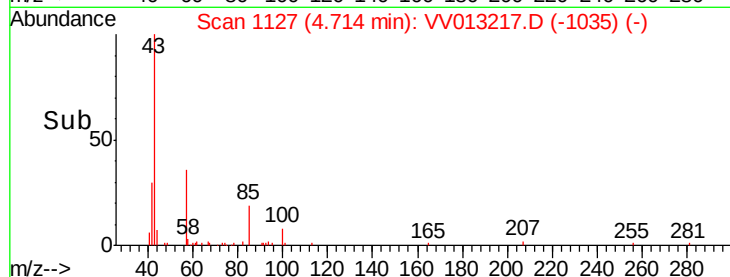
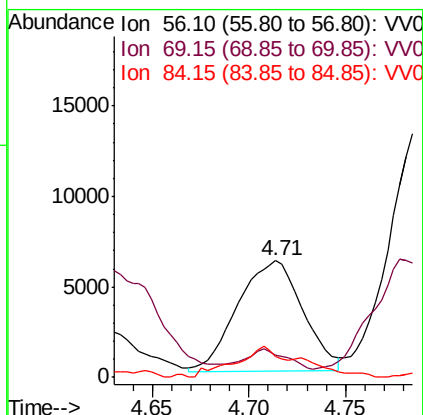
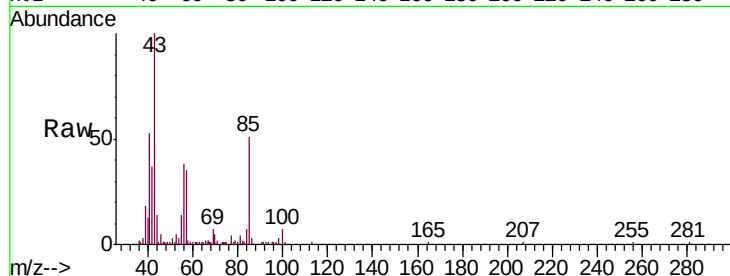




#30
Cyclohexane
Concen: 0.188 ug/L
RT: 4.71 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VV013217.D
Acq: 18 Oct 2019 21:36

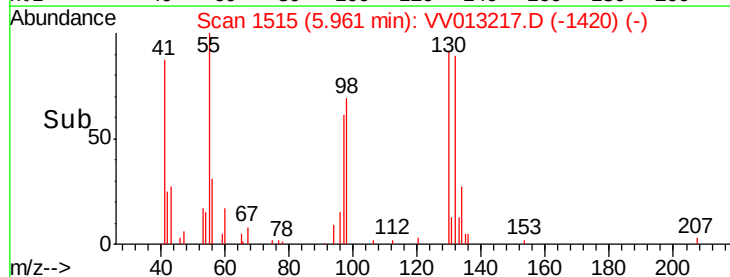
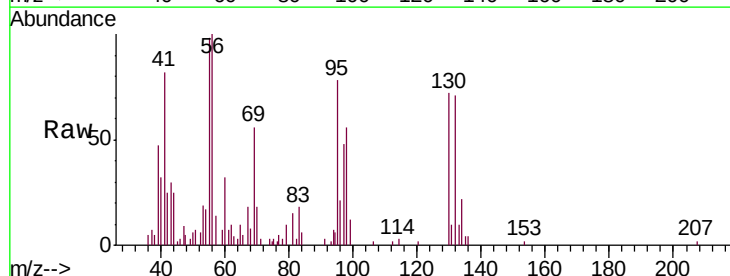
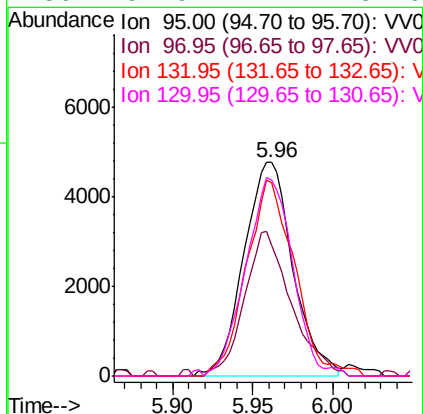
Instrument :
MSVOA_V
ClientSampleId :
E0AB1

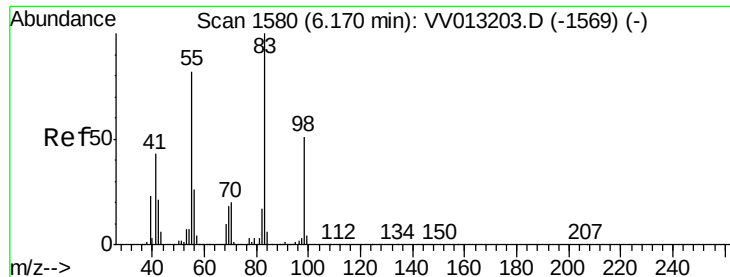
Tgt Ion: 56 Resp: 14244
Ion Ratio Lower Upper
56 100
69 16.0 23.0 34.4#
84 19.4 69.0 103.4#



#34
Trichloroethene
Concen: 0.202 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.01 min
Lab File: VV013217.D
Acq: 18 Oct 2019 21:36

Tgt Ion: 95 Resp: 10036
Ion Ratio Lower Upper
95 100
97 61.4 44.7 82.9
132 90.5 68.9 127.9
130 91.9 72.7 134.9





#35

Methylcyclohexane

Concen: 0.812 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013217.D

Acq: 18 Oct 2019 21:36

Instrument :

MSVOA_V

ClientSampleId :

E0AB1

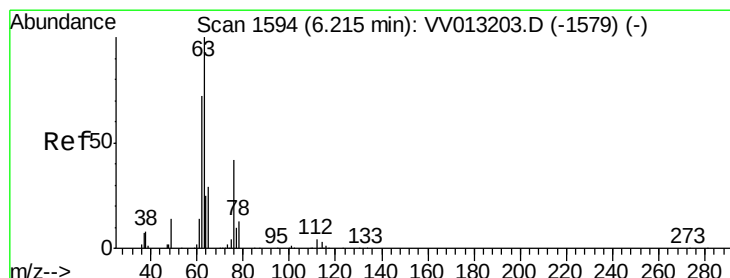
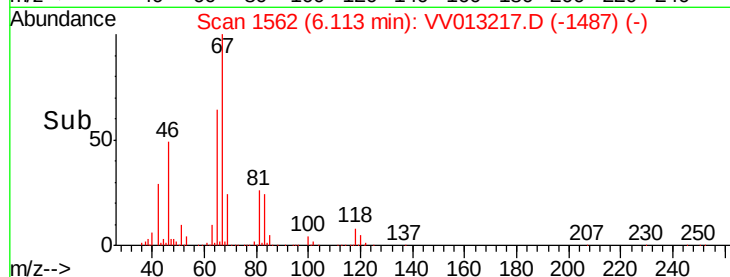
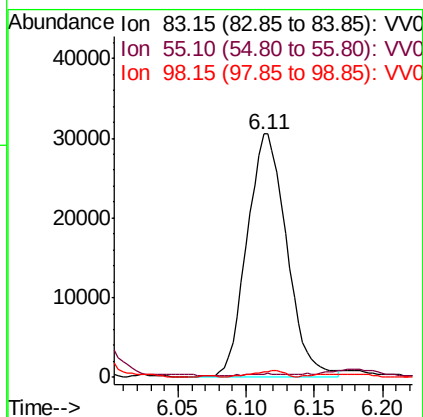
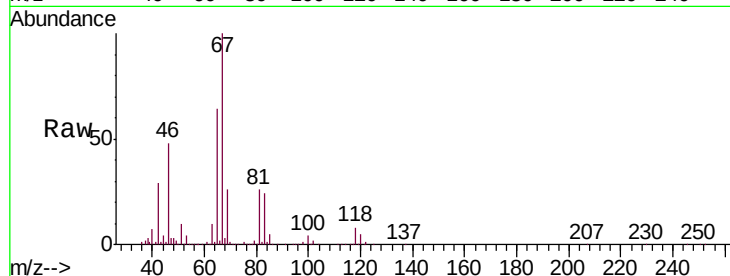
Tgt Ion: 83 Resp: 61904

Ion Ratio Lower Upper

83 100

55 3.4 64.0 96.0#

98 2.2 38.6 57.8#



#37

1,2-Dichloropropane

Concen: 0.571 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013217.D

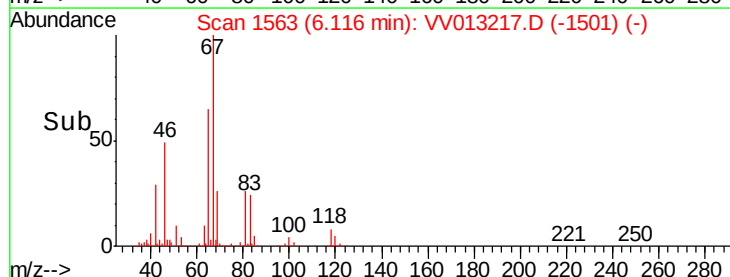
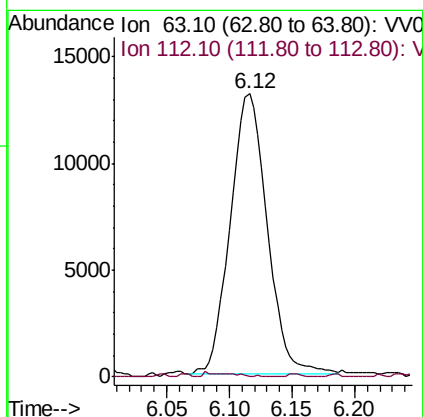
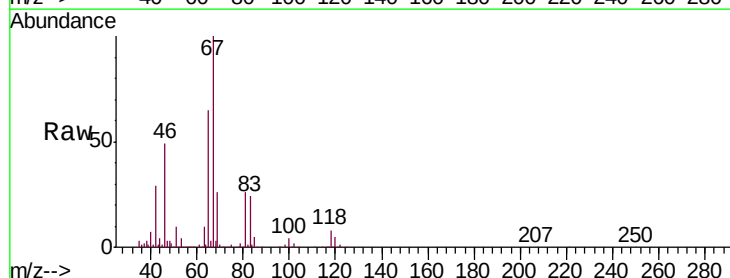
Acq: 18 Oct 2019 21:36

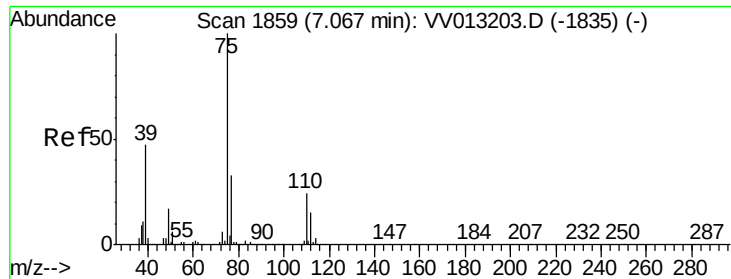
Tgt Ion: 63 Resp: 26982

Ion Ratio Lower Upper

63 100

112 0.1 3.8 5.8#





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV013217.D

Acq: 18 Oct 2019 21:36

Instrument :

MSVOA_V

ClientSampleId :

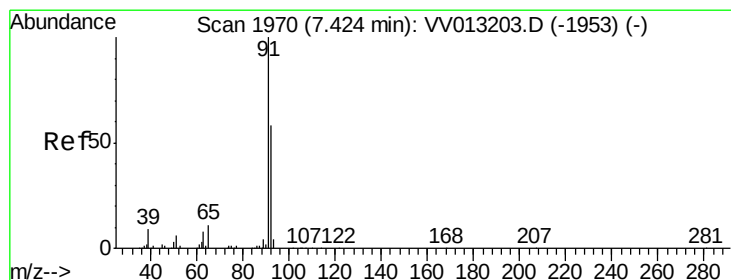
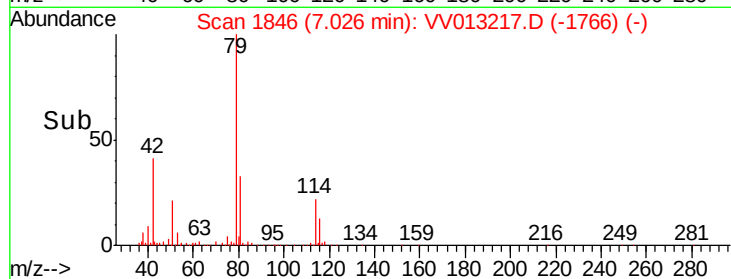
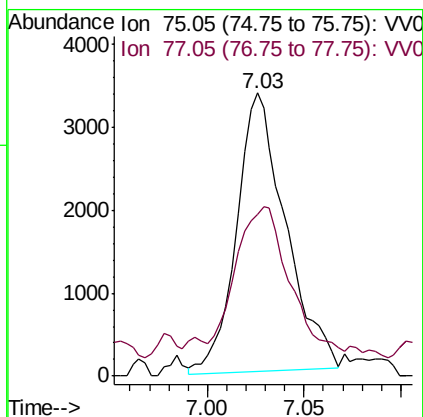
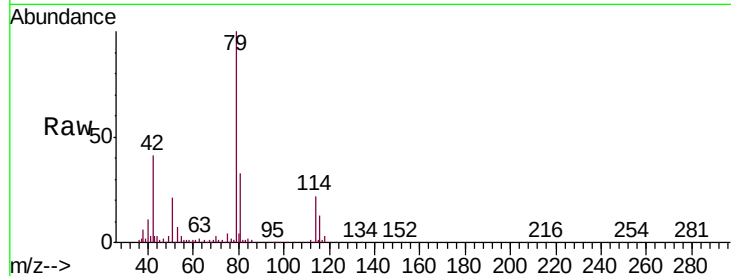
E0AB1

Tgt Ion: 75 Resp: 5913

Ion Ratio Lower Upper

75 100

77 57.3 22.6 42.0#



#42

Toluene

Concen: 0.109 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013217.D

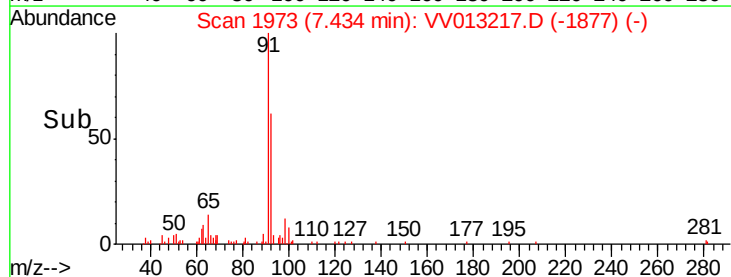
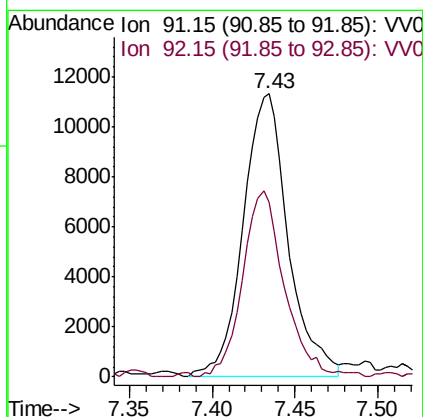
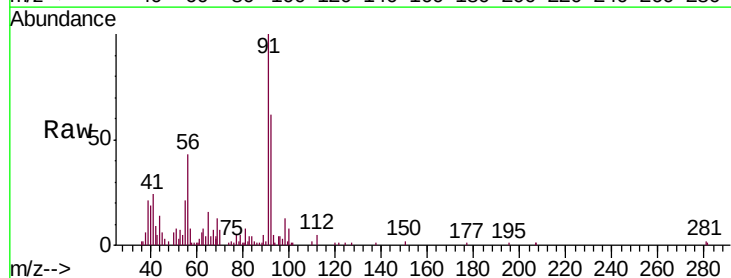
Acq: 18 Oct 2019 21:36

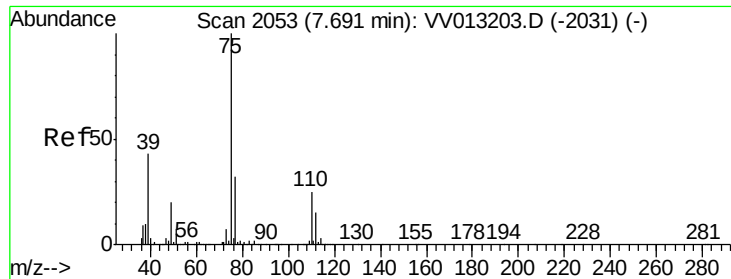
Tgt Ion: 91 Resp: 21404

Ion Ratio Lower Upper

91 100

92 61.6 41.2 76.4





#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013217.D

Acq: 18 Oct 2019 21:36

Instrument :

MSVOA_V

ClientSampleId :

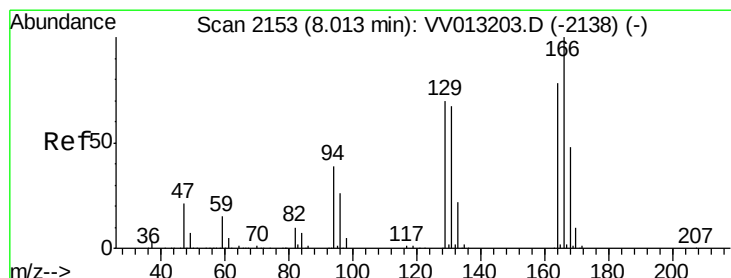
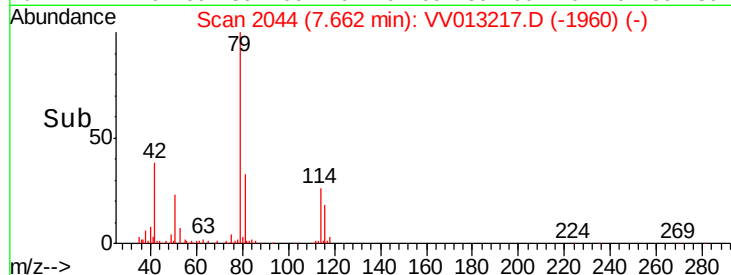
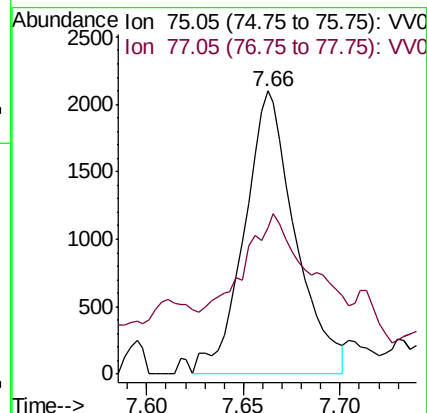
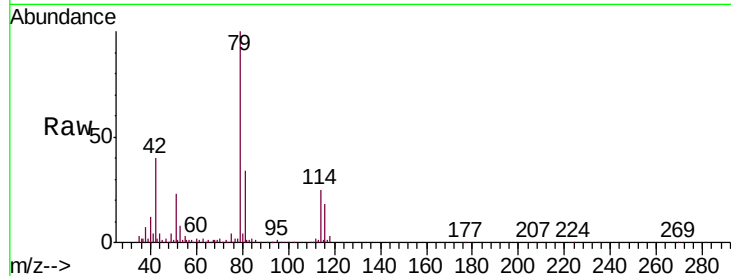
E0AB1

Tgt Ion: 75 Resp: 3851

Ion Ratio Lower Upper

75 100

77 51.9 21.8 40.4#



#47

Tetrachloroethene

Concen: 2.326 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013217.D

Acq: 18 Oct 2019 21:36

Tgt Ion: 164 Resp: 101091

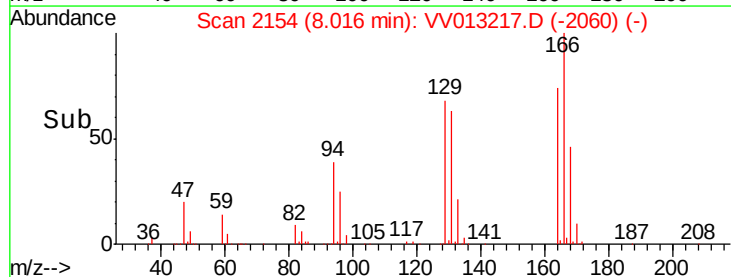
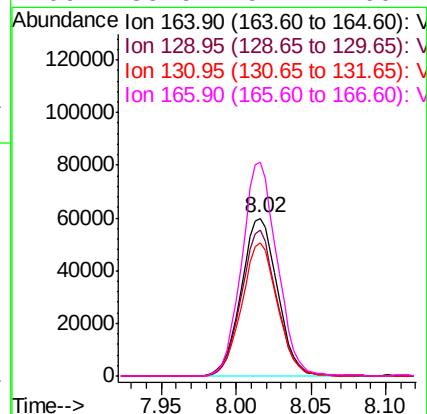
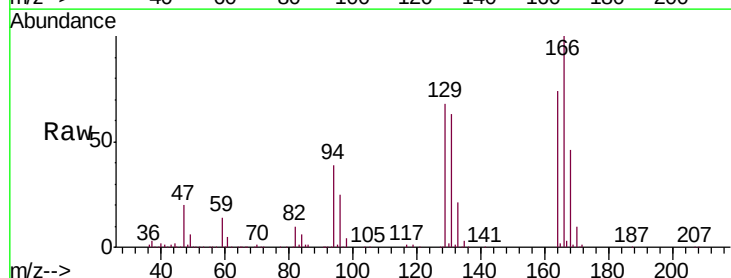
Ion Ratio Lower Upper

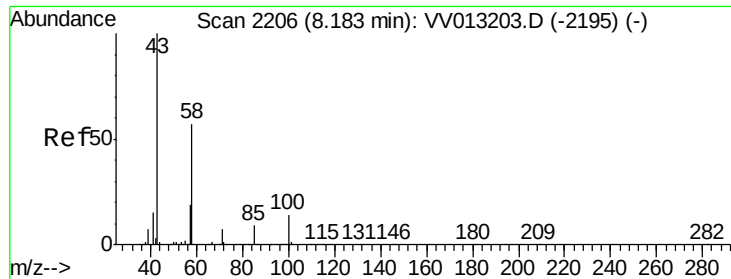
164 100

129 92.5 62.2 115.4

131 84.7 59.9 111.3

166 135.5 91.1 169.1

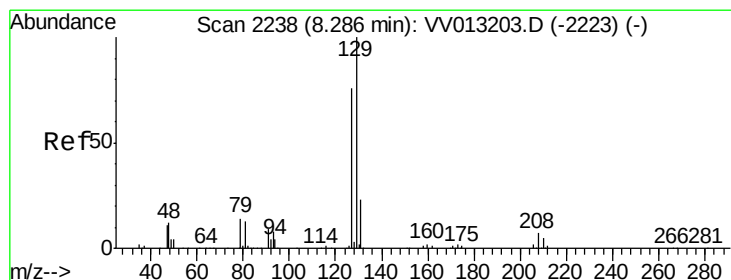
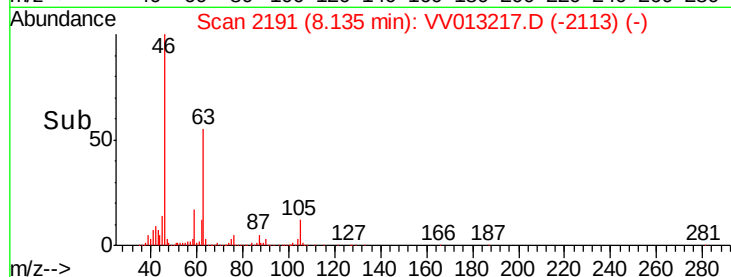
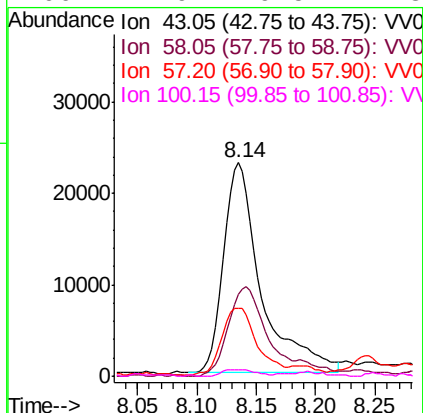
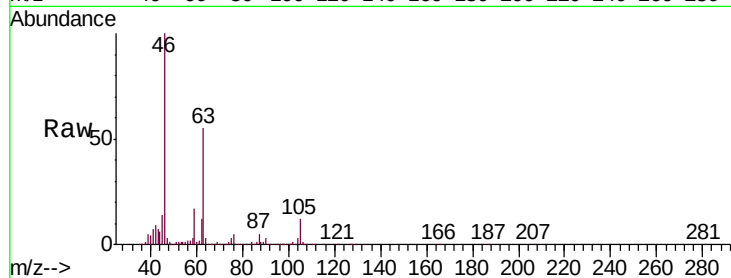




#48
2-Hexanone
Concen: 2.722 ug/L
RT: 8.14 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013217.D
Acq: 18 Oct 2019 21:36

Instrument :
MSVOA_V
ClientSampleId :
E0AB1

Tgt Ion: 43 Resp: 50262
Ion Ratio Lower Upper
43 100
58 43.1 44.2 66.2#
57 29.5 14.5 21.7#
100 2.9 9.5 14.3#



#49
Dibromochloromethane
Concen: 2.247 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013217.D
Acq: 18 Oct 2019 21:36

Tgt Ion: 129 Resp: 87238
Ion Ratio Lower Upper
129 100
127 0.2 53.2 98.8#

