

Data File : VV013237.D
Acq On : 19 Oct 2019 06:30
Operator : SY/MD
Sample : K5321-15
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0AA9

Quant Time: Oct 21 01:30:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 21 01:27:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	424074	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	471568	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	233259	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	209246	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	174271	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.13	63	252223	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	3.97	46	463337	51.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.94%
24) Chloroform-d	4.40	84	409832	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.08	65	198381	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.09	84	813503	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.12	67	253069	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.36	98	664529	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	7.66	79	76773	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.13	63	327751	42.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	172519	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	260652	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

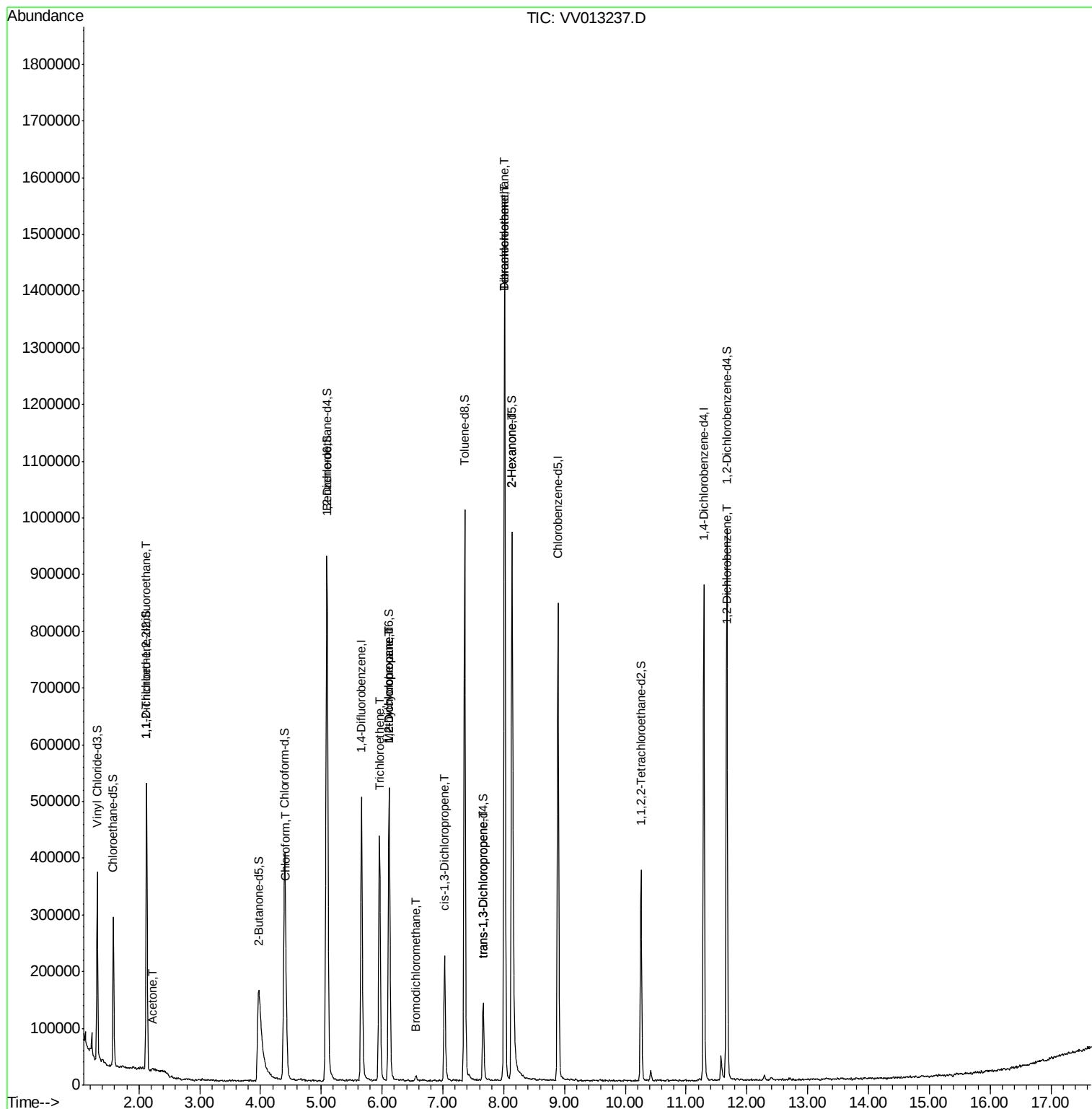
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2938	0.082	ug/L #	22
13) Acetone	2.23	43	7007	1.717	ug/L	64
25) Chloroform	4.42	83	59370	0.695	ug/L	97
34) Trichloroethene	5.96	95	151449	3.075	ug/L	98
35) Methylcyclohexane	6.12	83	60892	0.806	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	26618	0.568	ug/L #	89
38) Bromodichloromethane	6.56	83	6020	0.102	ug/L	91
39) cis-1,3-Dichloropropene	7.03	75	5696	0.091	ug/L #	72
44) trans-1,3-Dichloropropene	7.66	75	3124	0.065	ug/L	89
47) Tetrachloroethene	8.02	164	369711	8.585	ug/L	98
48) 2-Hexanone	8.13	43	52484	2.868	ug/L #	84
49) Dibromochloromethane	8.02	129	313638	8.153	ug/L #	11
65) 1,2-Dichlorobenzene	11.68	146	7707	0.097	ug/L	97

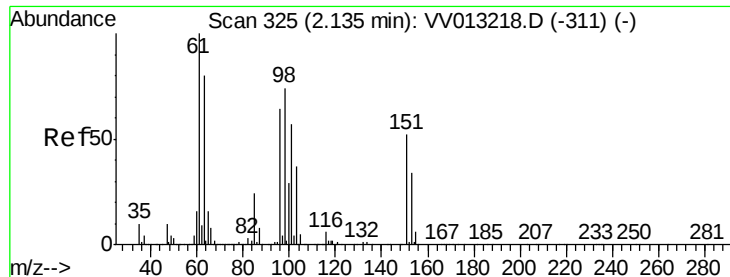
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.082 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013237.D

Acq: 19 Oct 2019 06:30

Instrument :

MSVOA_V

ClientSampleId :

E0AA9

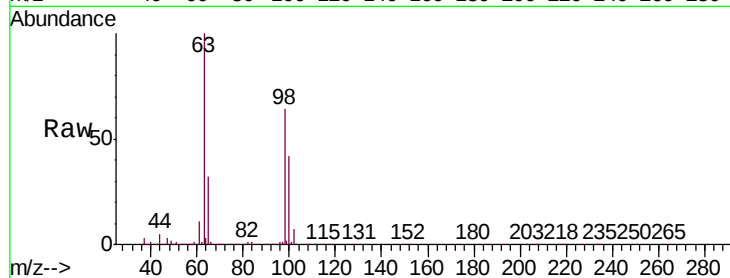
Tgt Ion:101 Resp: 2938

Ion Ratio Lower Upper

101 100

85 7.0 32.4 48.6#

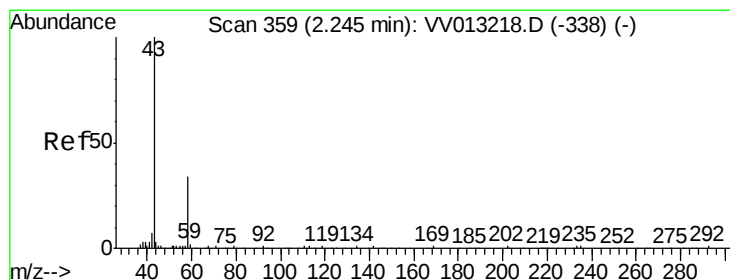
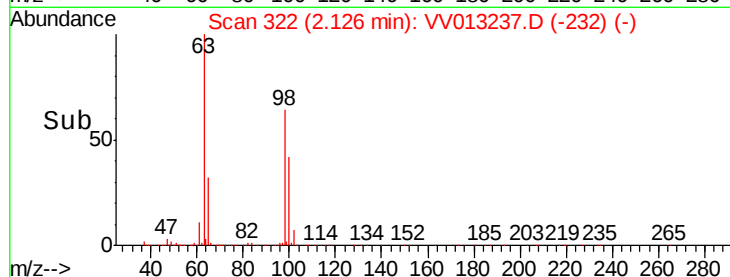
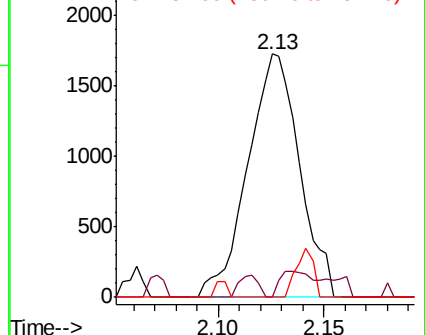
151 6.6 71.9 107.9#



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: 1.717 ug/L

RT: 2.23 min Scan# 356

Delta R.T. -0.01 min

Lab File: VV013237.D

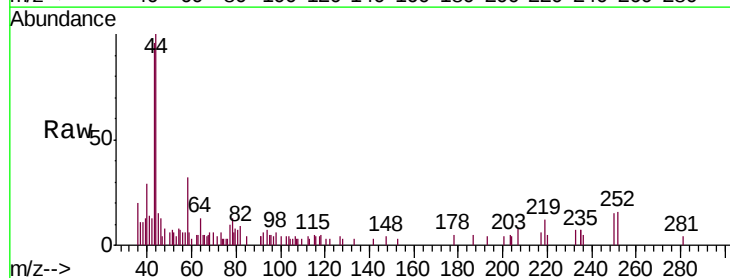
Acq: 19 Oct 2019 06:30

Tgt Ion: 43 Resp: 7007

Ion Ratio Lower Upper

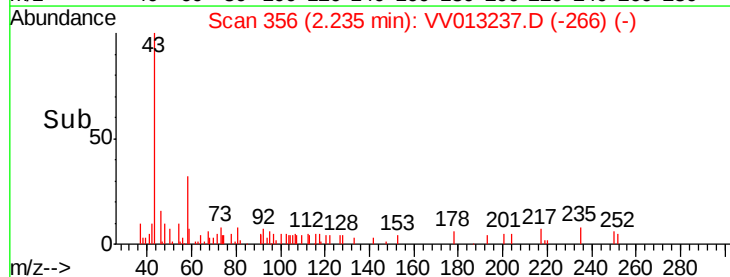
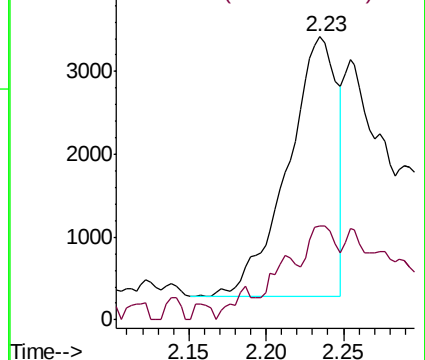
43 100

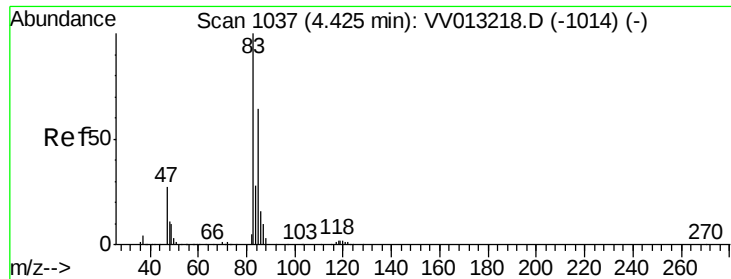
58 7.5 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

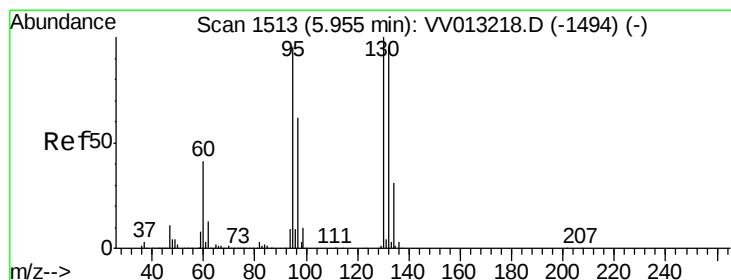
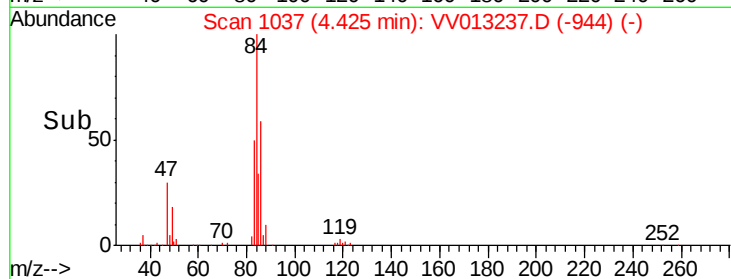
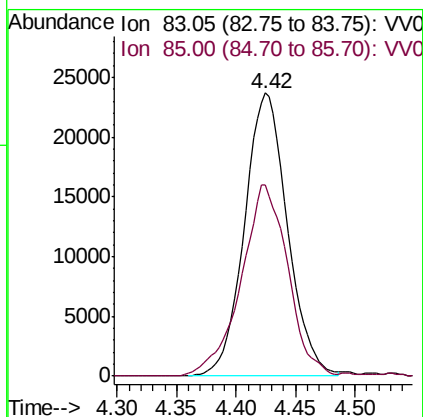
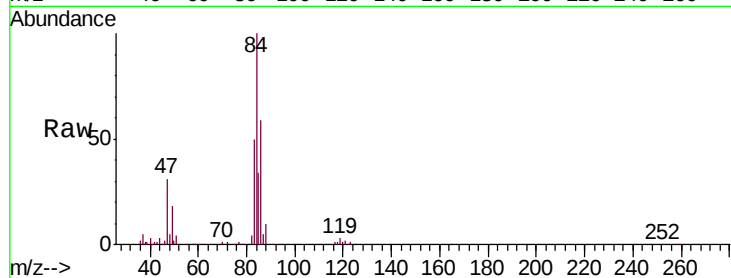




#25
Chloroform
Concen: 0.695 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013237.D
Acq: 19 Oct 2019 06:30

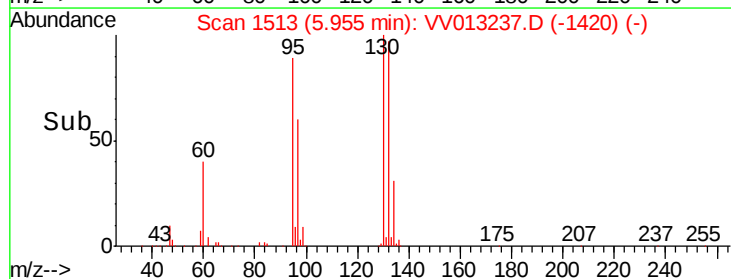
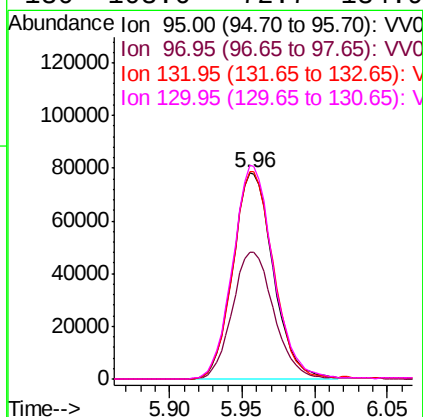
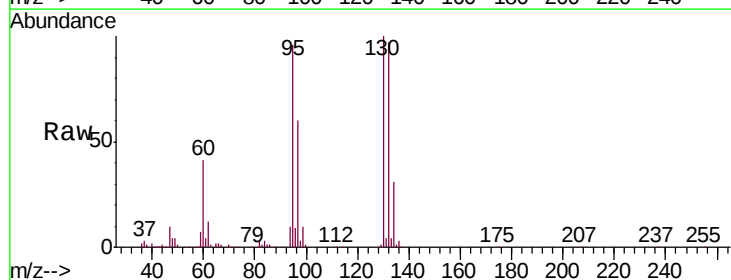
Instrument :
MSVOA_V
ClientSampleId :
E0AA9

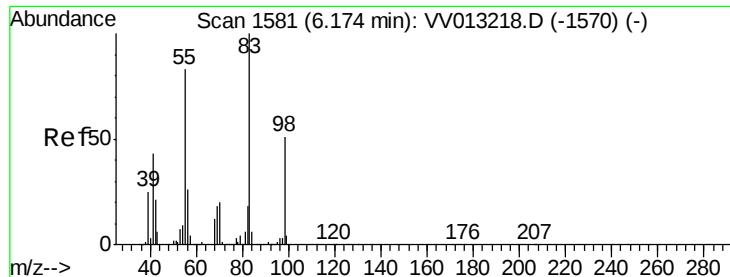
Tgt Ion: 83 Resp: 59370
Ion Ratio Lower Upper
83 100
85 67.5 45.5 84.5



#34
Trichloroethene
Concen: 3.075 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV013237.D
Acq: 19 Oct 2019 06:30

Tgt Ion: 95 Resp: 151449
Ion Ratio Lower Upper
95 100
97 61.8 44.7 82.9
132 100.6 68.9 127.9
130 103.6 72.7 134.9





#35

Methylcyclohexane

Concen: 0.806 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV013237.D

Acq: 19 Oct 2019 06:30

Instrument :

MSVOA_V

ClientSampleId :

E0AA9

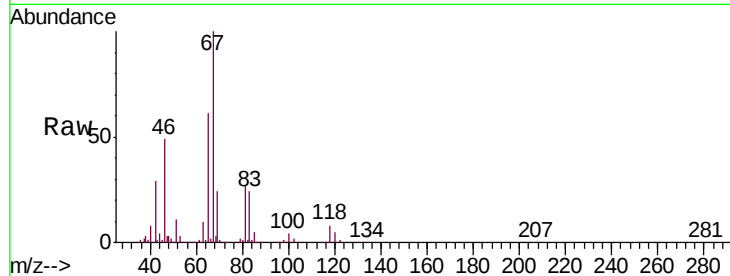
Tgt Ion: 83 Resp: 60892

Ion Ratio Lower Upper

83 100

55 0.6 64.0 96.0#

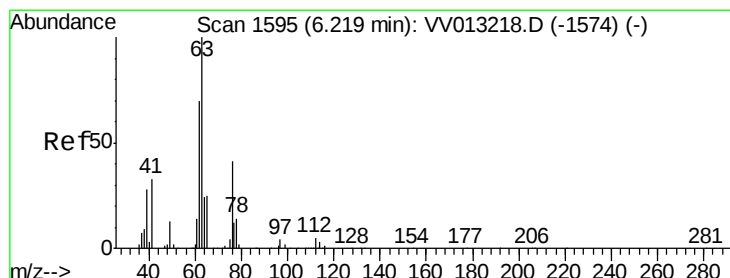
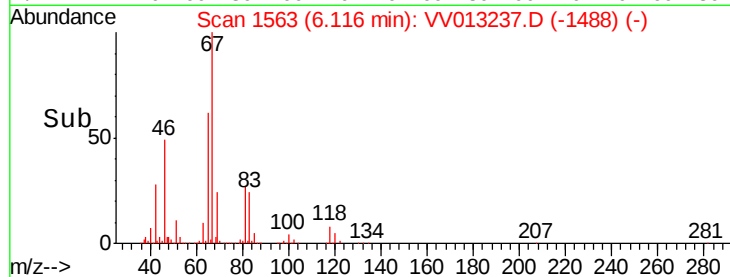
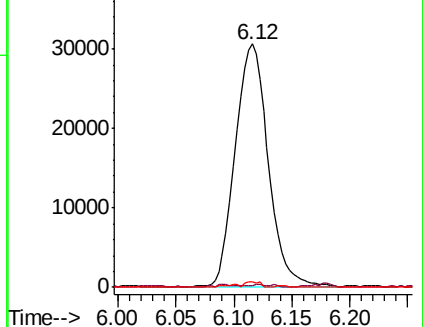
98 1.5 38.6 57.8#



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: 0.568 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013237.D

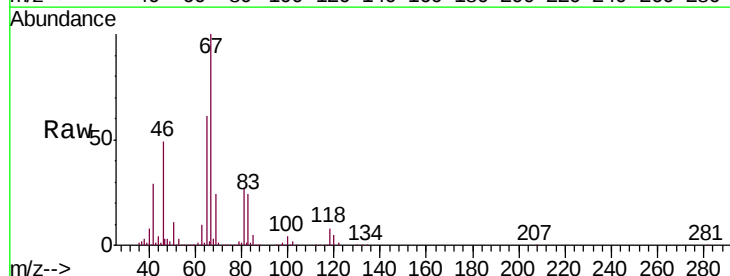
Acq: 19 Oct 2019 06:30

Tgt Ion: 63 Resp: 26618

Ion Ratio Lower Upper

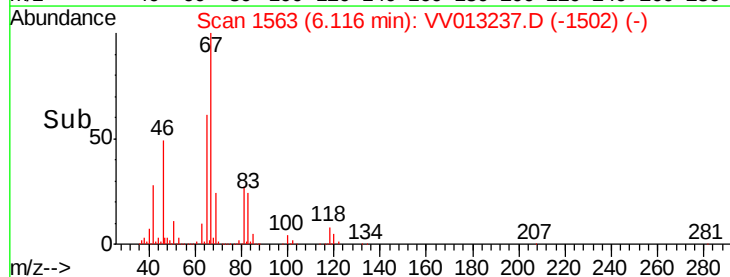
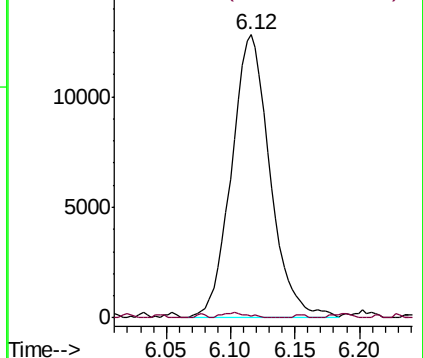
63 100

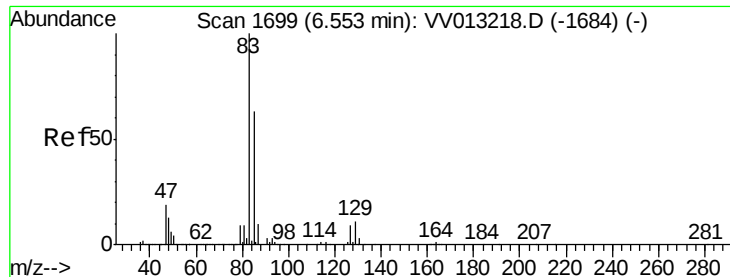
112 1.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.102 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV013237.D

Acq: 19 Oct 2019 06:30

Instrument :

MSVOA_V

ClientSampleId :

E0AA9

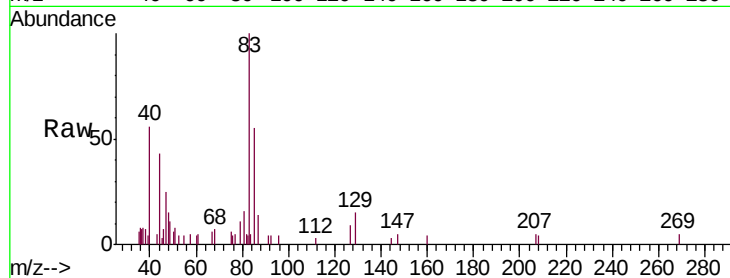
Tgt Ion: 83 Resp: 6020

Ion Ratio Lower Upper

83 100

85 55.2 44.0 81.6

127 9.1 7.0 10.6

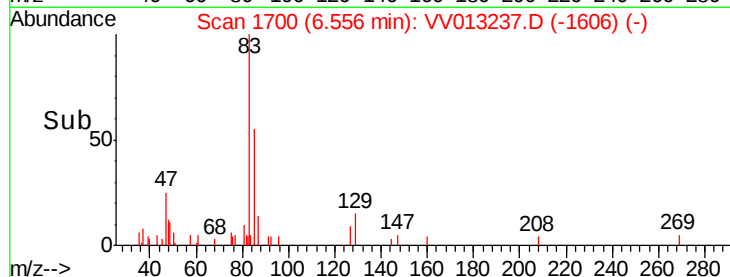


Abundance Ion 82.95 (82.65 to 83.65): VV0

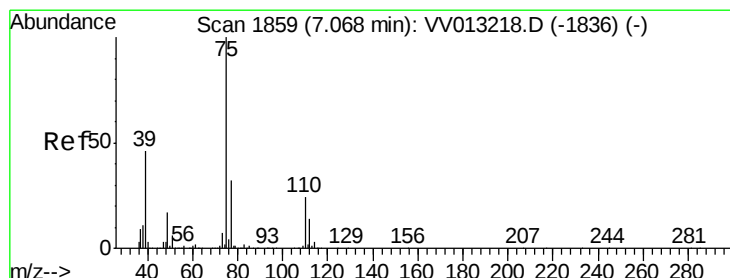
Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): VV0

Time-->



Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV013237.D

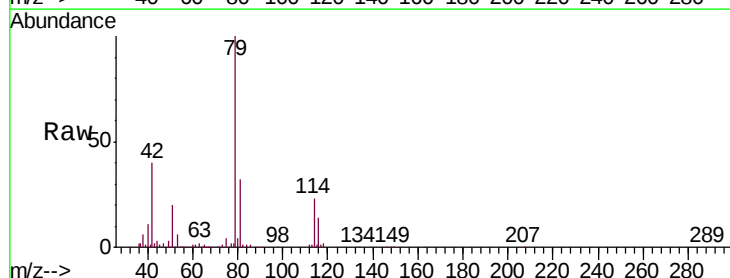
Acq: 19 Oct 2019 06:30

Tgt Ion: 75 Resp: 5696

Ion Ratio Lower Upper

75 100

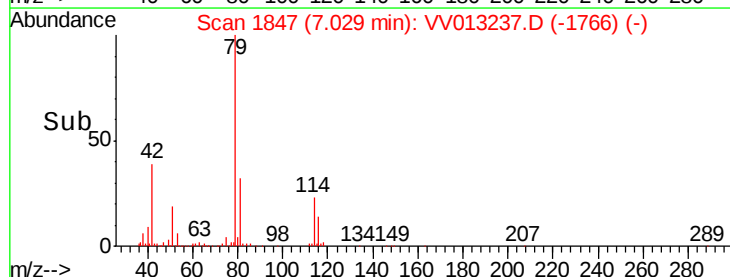
77 48.2 22.6 42.0#



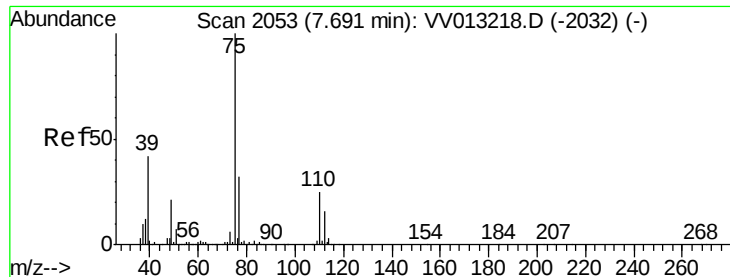
Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013237.D

Acq: 19 Oct 2019 06:30

Instrument :

MSVOA_V

ClientSampleId :

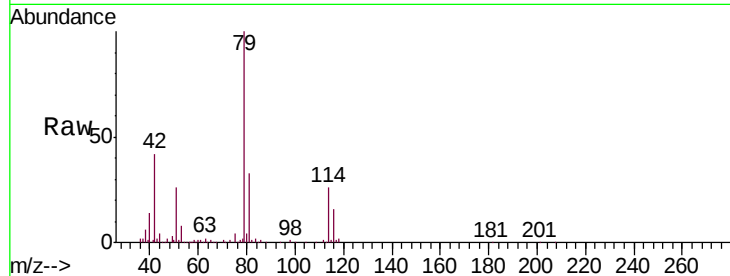
E0AA9

Tgt Ion: 75 Resp: 3124

Ion Ratio Lower Upper

75 100

77 37.0 21.8 40.4



Abundance Ion 75.05 (74.75 to 75.75): VV013218.D (-2032) (-)

Ion 77.05 (76.75 to 77.75): VV013218.D (-2032) (-)

7.66

1500

1000

500

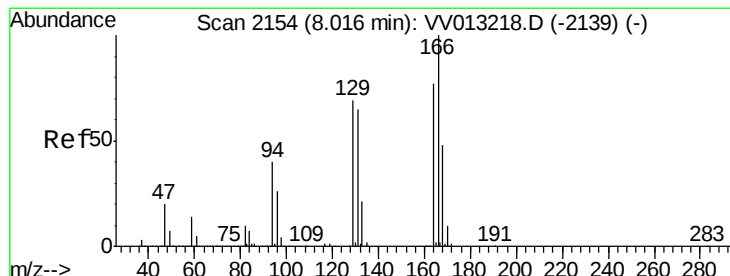
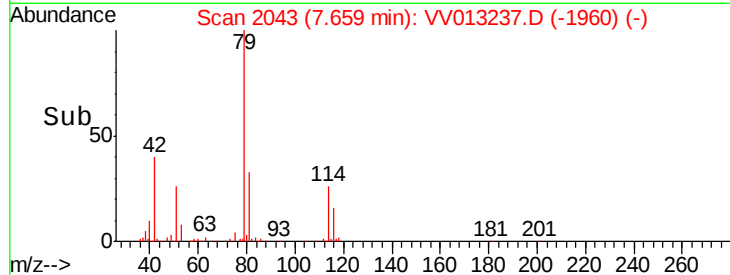
0

7.60

7.65

7.70

Time-->



#47

Tetrachloroethene

Concen: 8.585 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV013237.D

Acq: 19 Oct 2019 06:30

Tgt Ion: 164 Resp: 369711

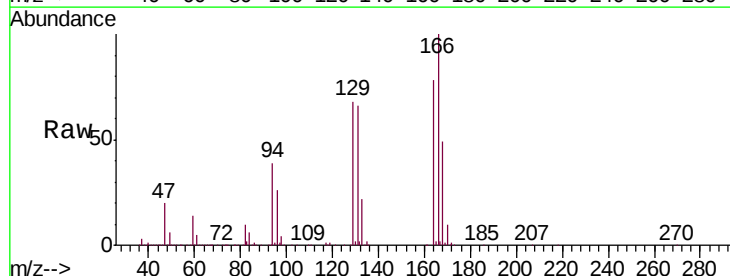
Ion Ratio Lower Upper

164 100

129 87.3 62.2 115.4

131 84.8 59.9 111.3

166 127.5 91.1 169.1



Abundance Ion 163.90 (163.60 to 164.60): VV013218.D (-2139) (-)

Ion 128.95 (128.65 to 129.65): VV013218.D (-2139) (-)

Ion 130.95 (130.65 to 131.65): VV013218.D (-2139) (-)

Ion 165.90 (165.60 to 166.60): VV013218.D (-2139) (-)

400000

300000

200000

100000

0

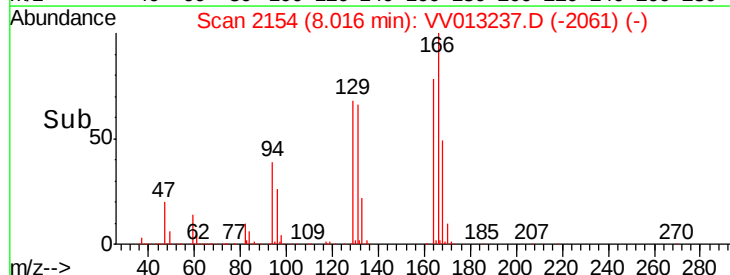
7.95

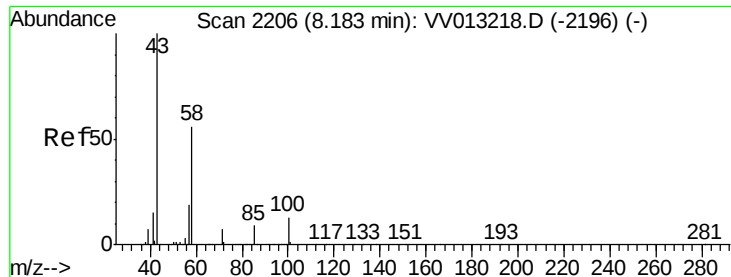
8.00

8.05

8.10

Time-->

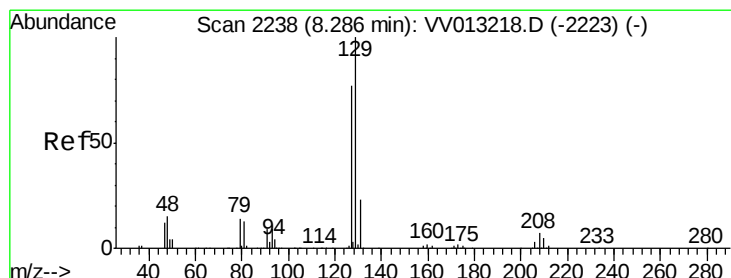
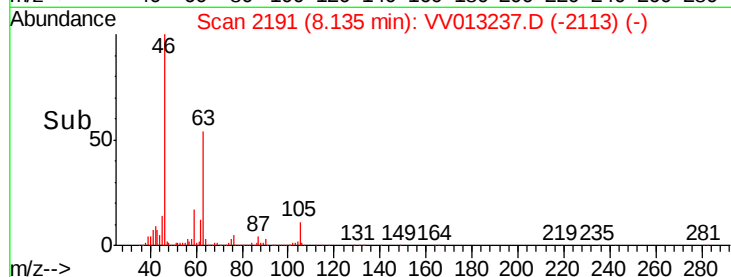
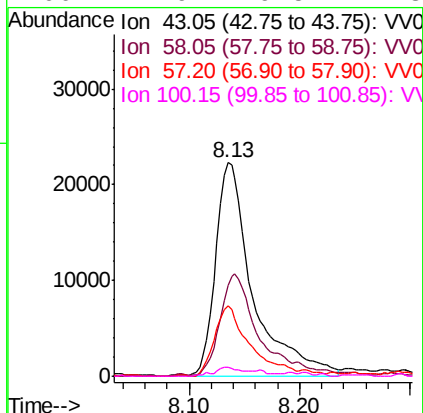
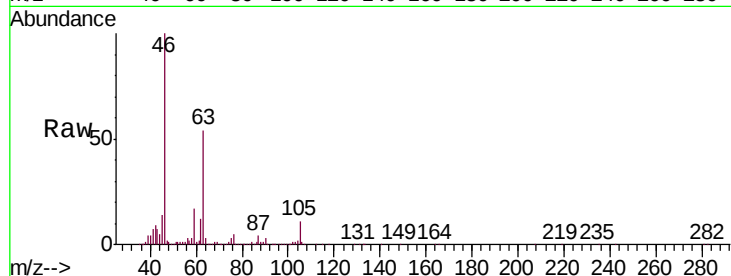




#48
2-Hexanone
Concen: 2.868 ug/L
RT: 8.13 min Scan# 2191
Delta R.T. -0.05 min
Lab File: VV013237.D
Acq: 19 Oct 2019 06:30

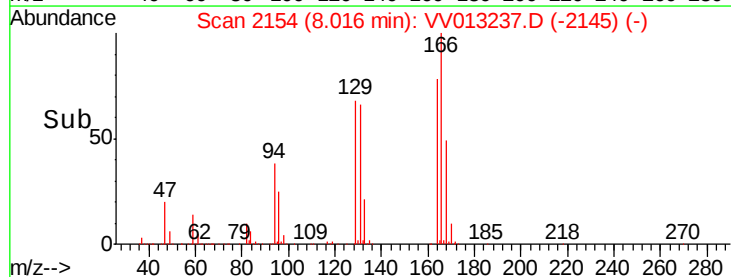
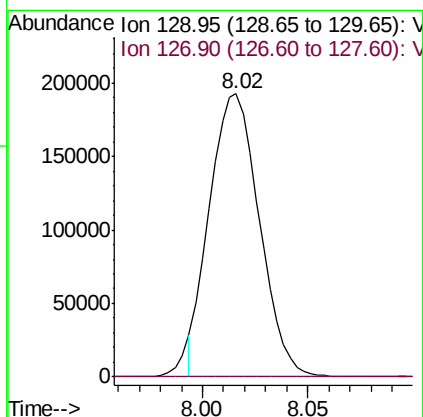
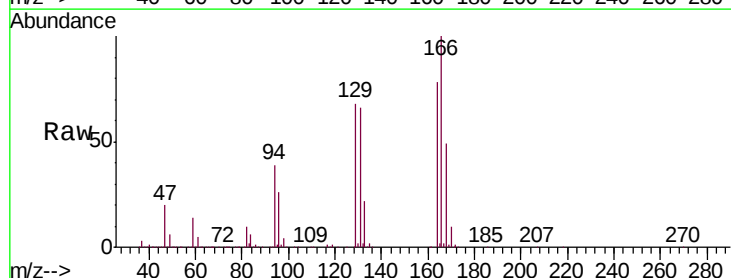
Instrument :
MSVOA_V
ClientSampleId :
E0AA9

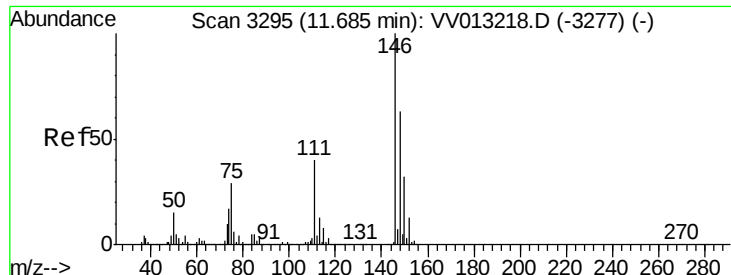
Tgt Ion:	43	Resp:	52484
Ion	Ratio	Lower	Upper
43	100		
58	48.3	44.2	66.2
57	31.0	14.5	21.7#
100	2.9	9.5	14.3#



#49
Dibromochloromethane
Concen: 8.153 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013237.D
Acq: 19 Oct 2019 06:30

Tgt Ion:	129	Resp:	313638
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.2	98.8#

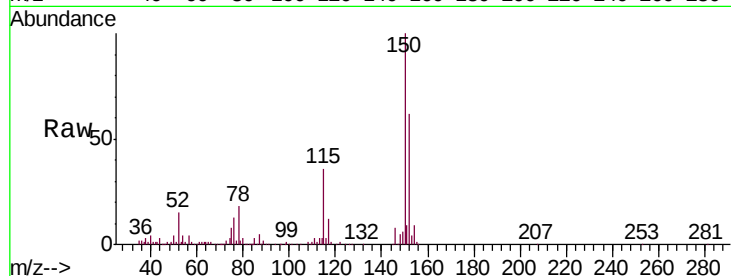




#65
 1,2-Dichlorobenzene
 Concen: 0.097 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013237.D
 Acq: 19 Oct 2019 06:30

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA9

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.9	47.9
148	60.3	51.4	77.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

