

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021120\
 Data File : VV014560.D
 Acq On : 11 Feb 2020 17:41
 Operator : SY/MD
 Sample : L1489-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 12 03:19:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 12 03:16:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	284475	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	264616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	131162	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54136	34.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.54%
7) Chloroethane-d5	1.58	69	41716	42.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.94%
11) 1,1-Dichloroethene-d2	2.13	63	72082	34.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.36%
21) 2-Butanone-d5	3.92	46	113222	106.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.51%
24) Chloroform-d	4.40	84	172056	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
26) 1,2-Dichloroethane-d4	5.08	65	112576	55.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.78%
32) Benzene-d6	5.10	84	356074	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.11	67	110252	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.02%
41) Toluene-d8	7.36	98	334446	52.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	7.66	79	58552	52.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.52%
47) 2-Hexanone-d5	8.13	63	92600	107.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.37%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	152472	53.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.36%
64) 1,2-Dichlorobenzene-d4	11.67	152	132412	54.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.62%

Target Compounds

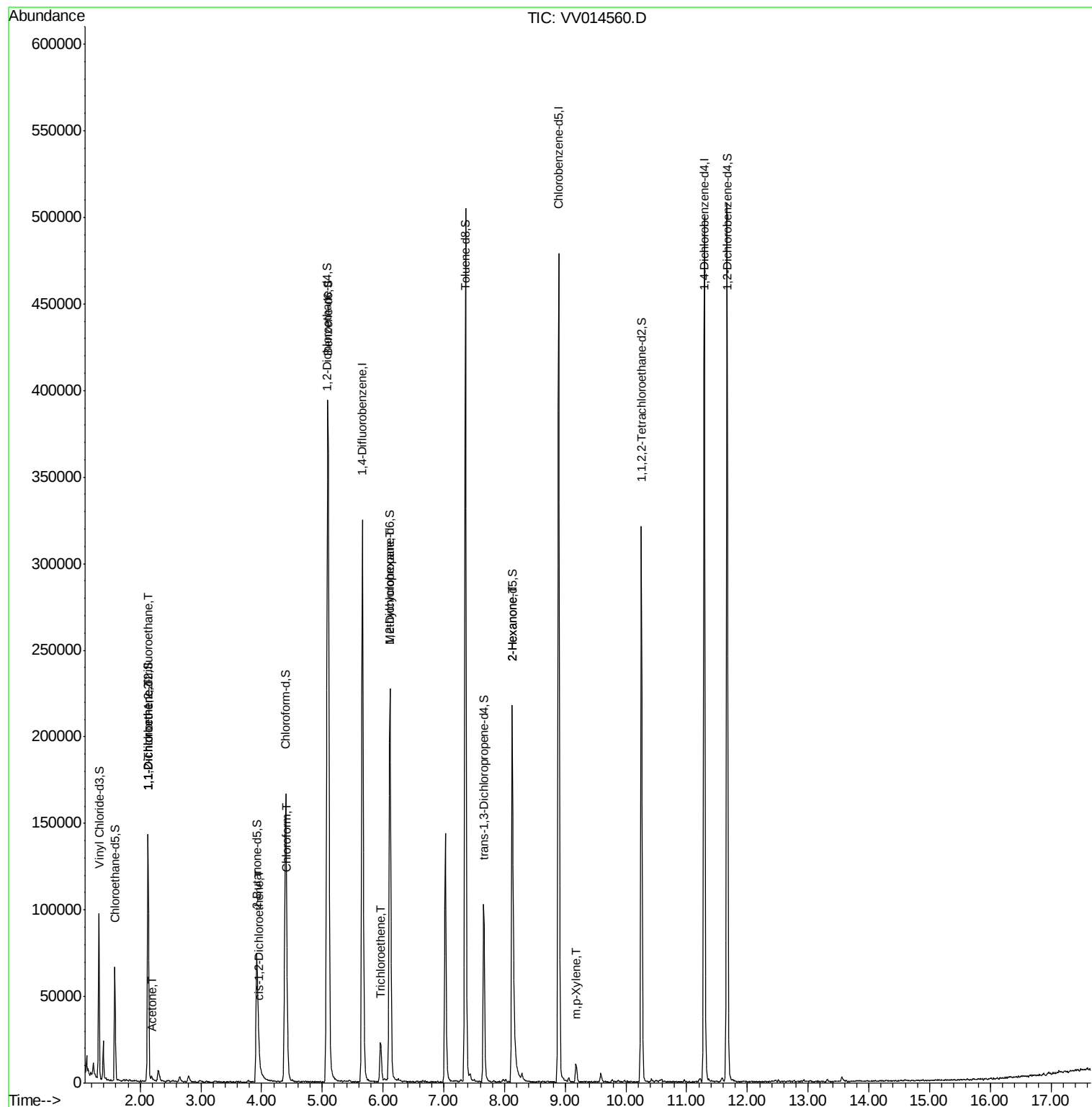
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	858	0.797 ug/L #	22
12) 1,1-Dichloroethene	2.13	96	954	0.882 ug/L #	1
13) Acetone	2.19	43	1744	1.923 ug/L	86
20) cis-1,2-Dichloroethene	3.97	96	1315	0.628 ug/L	99
25) Chloroform	4.42	83	3281	0.951 ug/L	96
34) Trichloroethene	5.96	95	8017	4.065 ug/L	92
35) Methylcyclohexane	6.11	83	28700	8.759 ug/L #	19
48) 2-Hexanone	8.13	43	10406	5.639 ug/L #	69
53) m,p-Xylene	9.18	106	3397	0.992 ug/L	94

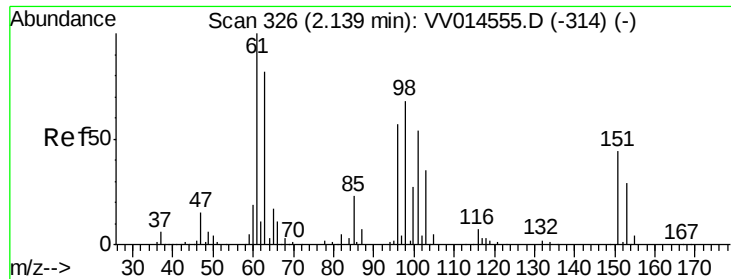
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 12 03:16:31 2020
Response via : Initial Calibration





#10

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

Concen: 0.797 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014560.D

Acq: 11 Feb 2020 17:41

Instrument :

MSVOA_V

ClientSampled :

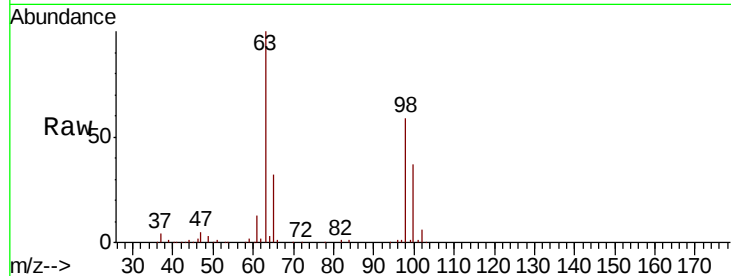
Tot Ion:101 Resp: 858

Ion Ratio Lower Upper

101 100

85 4.8 34.6 51.8#

151 0.0 61.2 91.8#



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

2.13

800

600

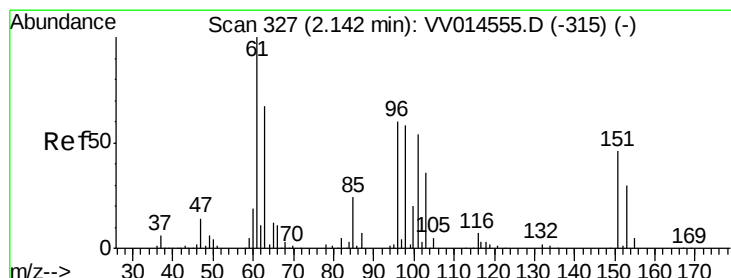
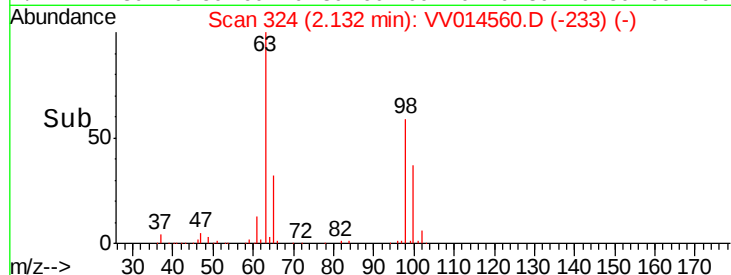
400

200

0

2.10 2.12 2.14 2.16

Time-->



#12

1,1-Dichloroethene

Concen: 0.882 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014560.D

Acq: 11 Feb 2020 17:41

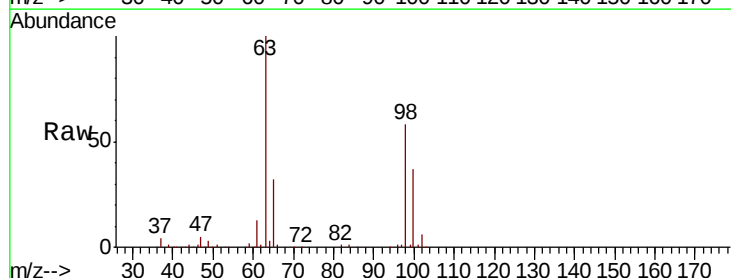
Tgt Ion: 96 Resp: 954

Ion Ratio Lower Upper

96 100

61 944.2 120.5 223.7#

63 7293.2 87.1 161.7#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

60000

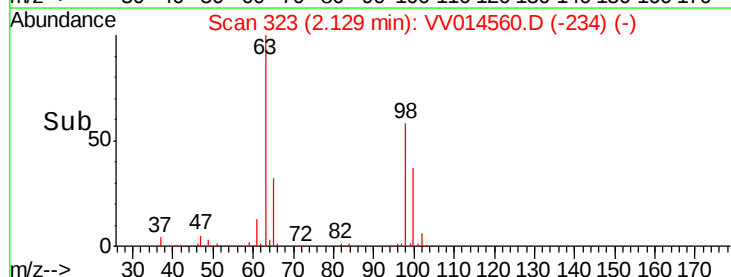
40000

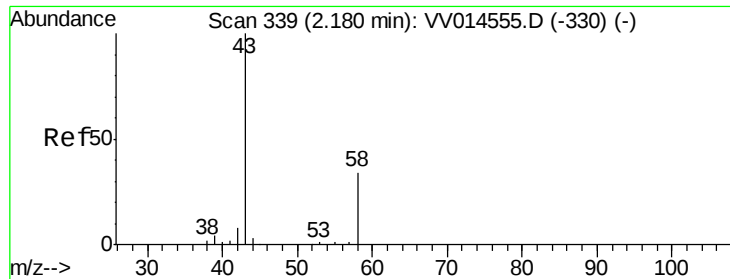
20000

0

2.10 2.12 2.14 2.16

Time-->





#13

Acetone

Concen: 1.923 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV014560.D

Acq: 11 Feb 2020 17:41

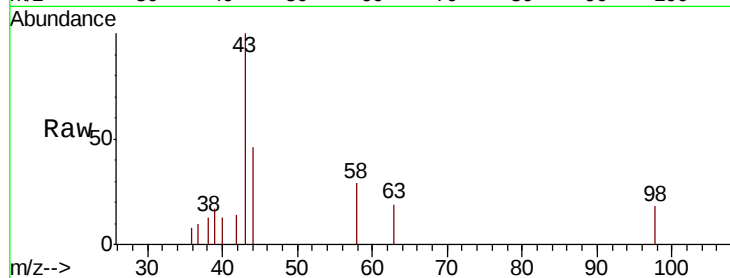
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1744

Ion Ratio Lower Upper

43 100

58 38.4 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV014555.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014555.D (-330) (-)

2.19

1500

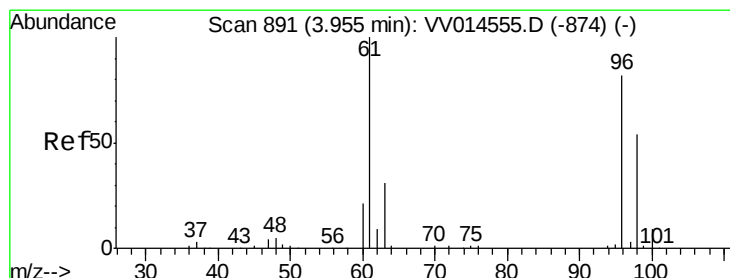
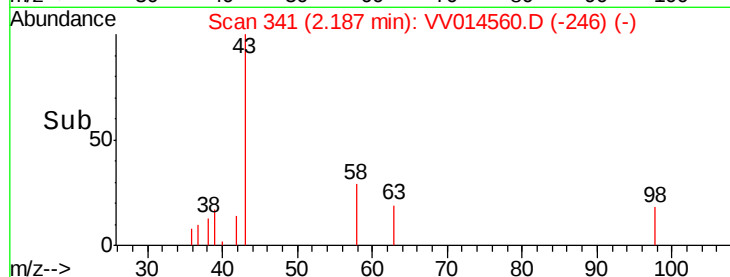
1000

500

0

2.15 2.20

Time-->



#20

cis-1,2-Dichloroethene

Concen: 0.628 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV014560.D

Acq: 11 Feb 2020 17:41

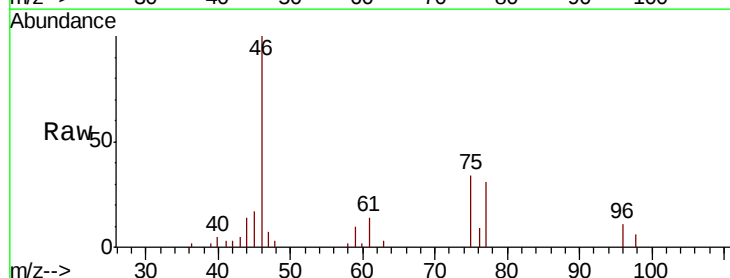
Tgt Ion: 96 Resp: 1315

Ion Ratio Lower Upper

96 100

61 126.0 88.9 165.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV014555.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VV014555.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VV014555.D (-874) (-)

3.97

1000

800

600

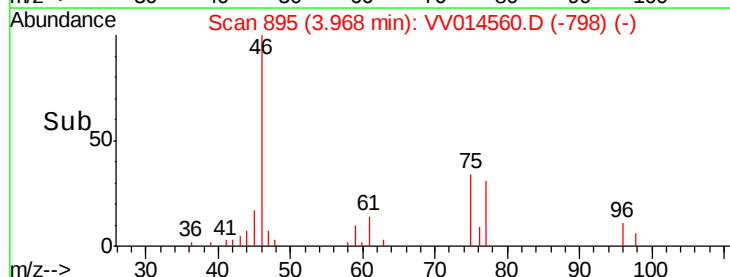
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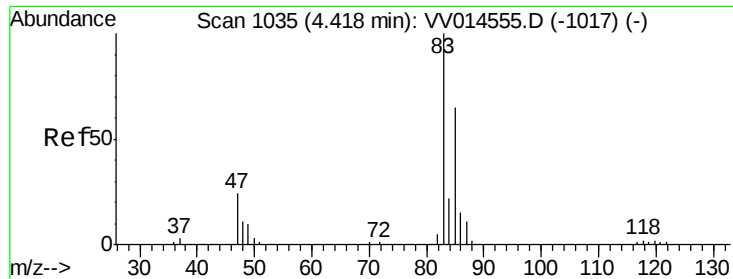
200

0

3.90 3.95 4.00

Time-->





#25

Chloroform

Concen: 0.951 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV014560.D

Acq: 11 Feb 2020 17:41

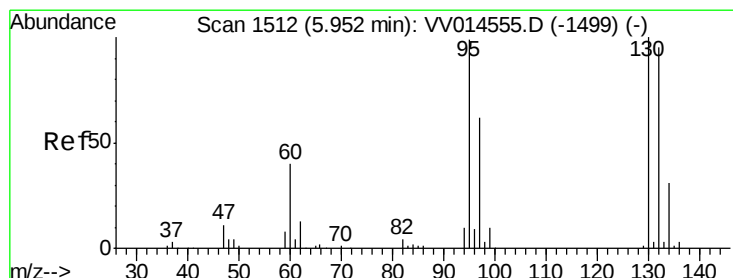
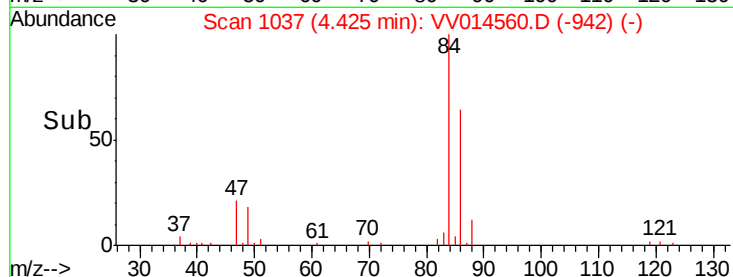
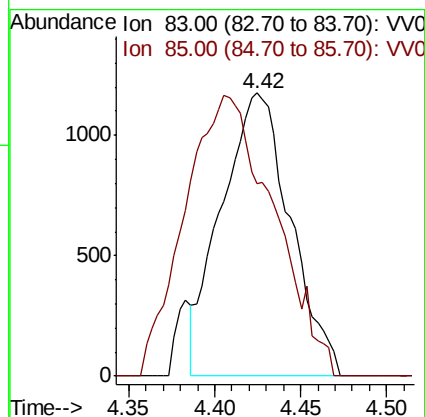
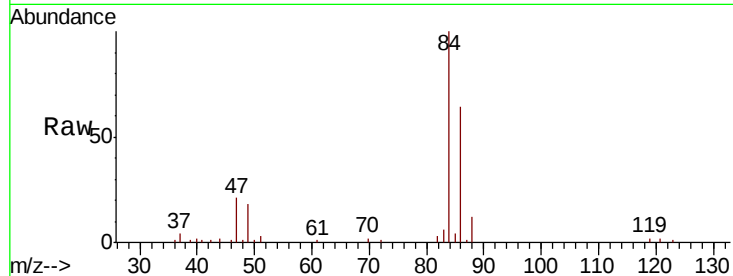
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 3281

Ion Ratio Lower Upper

83 100

85 67.8 45.1 83.7



#34

Trichloroethene

Concen: 4.065 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VV014560.D

Acq: 11 Feb 2020 17:41

Tgt Ion: 95 Resp: 8017

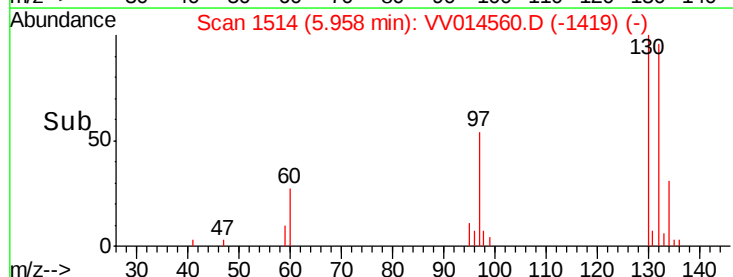
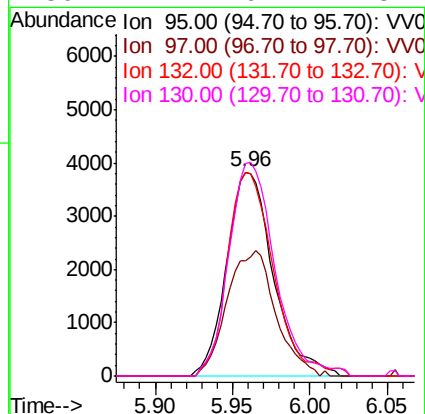
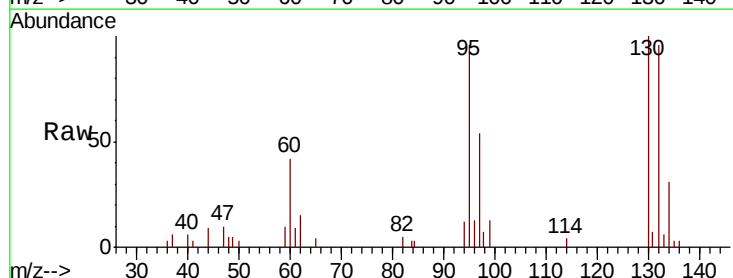
Ion Ratio Lower Upper

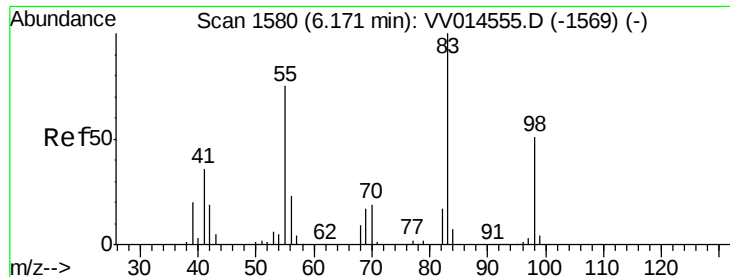
95 100

97 63.5 44.7 83.1

132 99.9 65.4 121.4

130 111.4 67.7 125.7

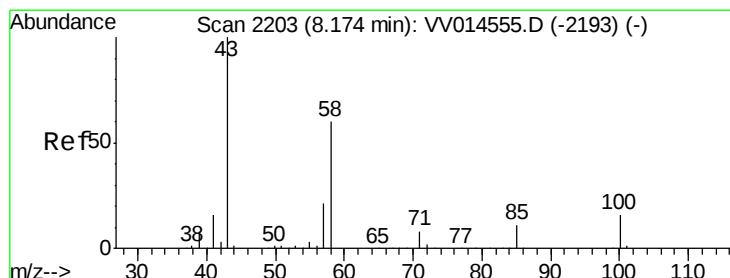
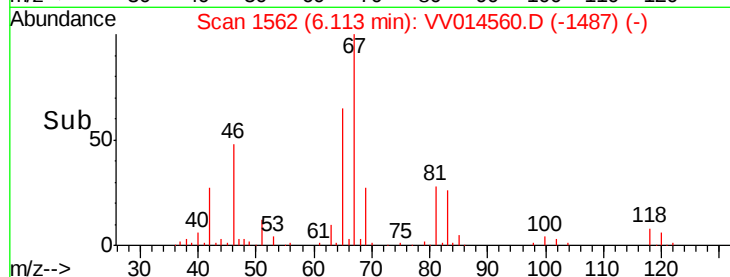
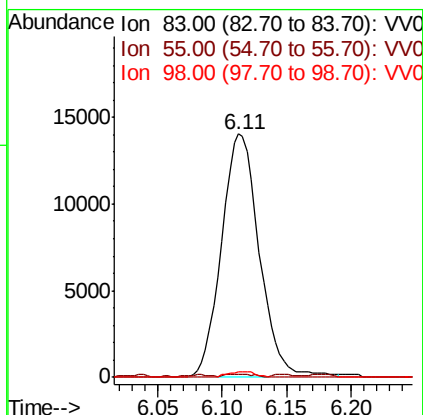
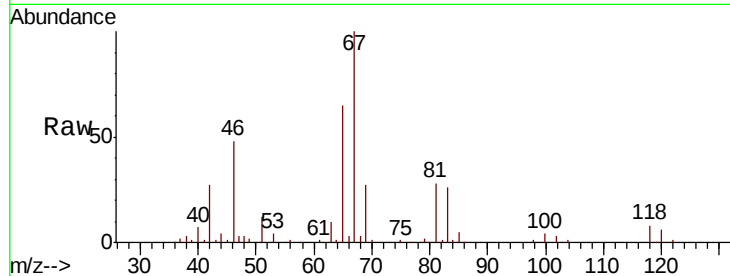




#35
Methylcyclohexane
Concen: 8.759 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014560.D
Acq: 11 Feb 2020 17:41

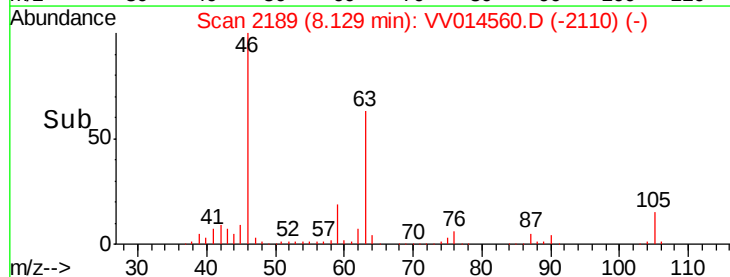
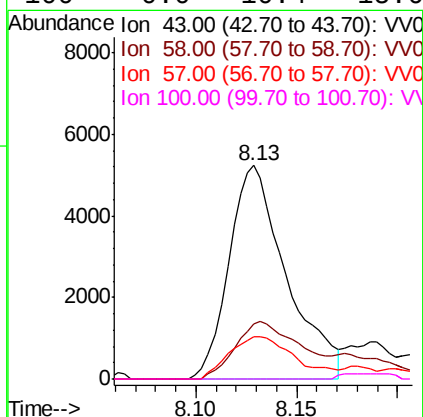
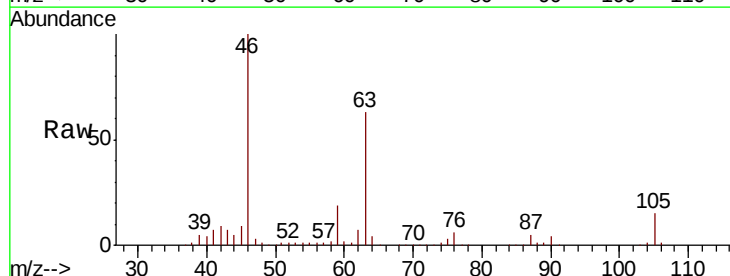
Instrument :
MSVOA_V
ClientSampleId :

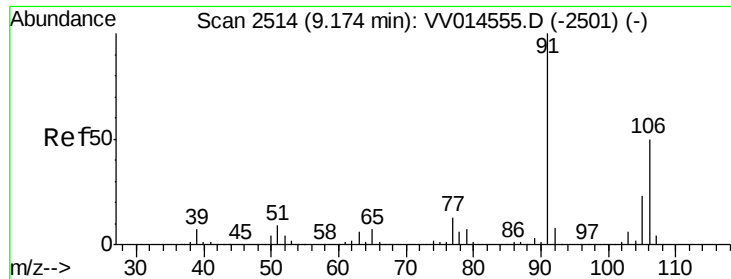
Tot Ion: 83 Resp: 28700
Ion Ratio Lower Upper
83 100
55 0.8 60.4 90.6#
98 0.0 39.2 58.8#



#48
2-Hexanone
Concen: 5.639 ug/L
RT: 8.13 min Scan# 2189
Delta R.T. -0.05 min
Lab File: VV014560.D
Acq: 11 Feb 2020 17:41

Tgt Ion: 43 Resp: 10406
Ion Ratio Lower Upper
43 100
58 30.8 48.0 72.0#
57 20.7 15.0 22.6
100 0.0 10.4 15.6#





#53

m,p-Xylene

Concen: 0.992 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.01 min

Lab File: VV014560.D

Acq: 11 Feb 2020 17:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 3397

Ion Ratio Lower Upper

106 100

91 210.1 140.9 261.7

