

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV043020\
 Data File : VV015836.D
 Acq On : 30 Apr 2020 14:51
 Operator : SY/MD
 Sample : L2421-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 01 01:46:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 01 01:42:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	118385	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	115190	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	51720	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35612	5.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.20%
7) Chloroethane-d5	1.58	69	32693	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.60%
11) 1,1-Dichloroethene-d2	2.12	63	53712	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	3.94	46	100078	50.38	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.76%
24) Chloroform-d	4.38	84	71845	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.06	65	42206	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.08	84	139860	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.10	67	43086	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.34	98	122988	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.65	79	14711	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.12	63	68476	41.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.66%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29696	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	44307	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	1027	0.110 ug/L #	29
8) Chloroethane	1.59	64	1113	0.181 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	554	0.074 ug/L #	26
12) 1,1-Dichloroethene	2.12	96	742	0.108 ug/L #	1
13) Acetone	2.23	43	1881	1.364 ug/L	95
22) cis-1,2-Dichloroethene	3.94	96	32704	3.834 ug/L	95
25) Chloroform	4.40	83	2516	0.156 ug/L	83
34) Trichloroethene	5.94	95	291961	32.124 ug/L	99
35) Methylcyclohexane	6.10	83	10912	0.782 ug/L #	15
37) 1,2-Dichloropropane	6.09	63	5619	0.672 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1473	0.126 ug/L	83
44) trans-1,3-Dichloropropene	7.65	75	920	0.094 ug/L #	71
47) Tetrachloroethene	8.00	164	1665	0.254 ug/L	87
48) 2-Hexanone	8.17	43	6221	1.607 ug/L #	72
49) Dibromochloromethane	8.00	129	1591	0.270 ug/L #	12

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QLast Update : Fri May 01 01:42:43 2020
Response via : Initial Calibration

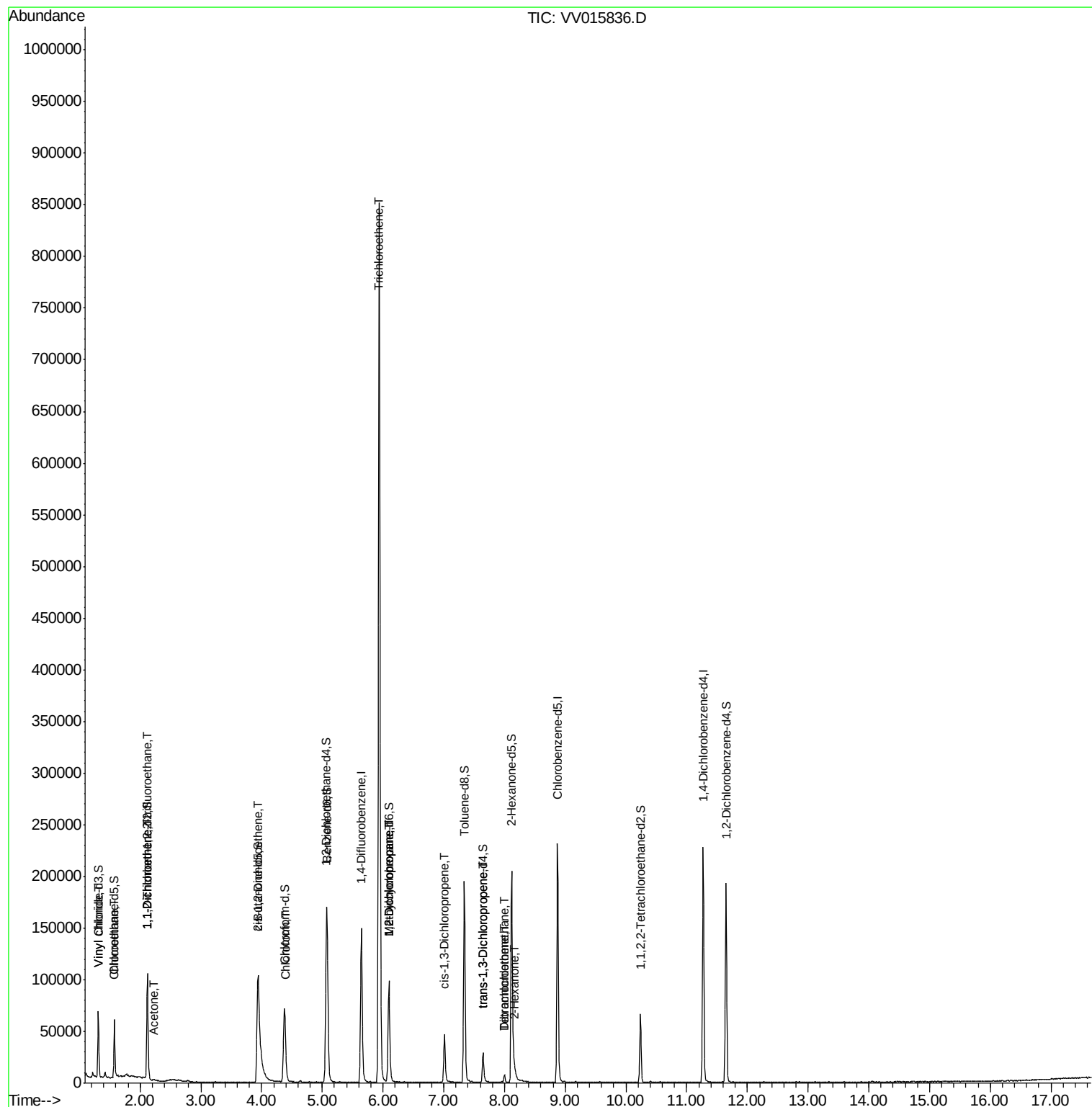
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

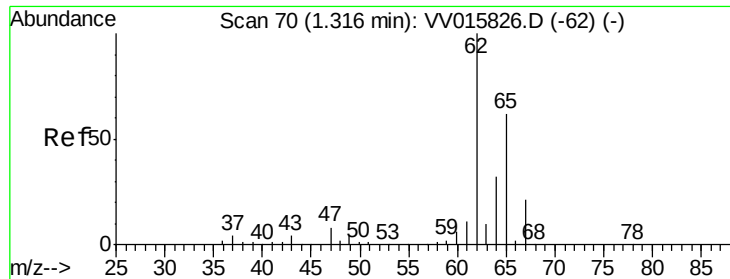
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 0.110 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015836.D

Acq: 30 Apr 2020 14:51

Instrument :

MSVOA_V

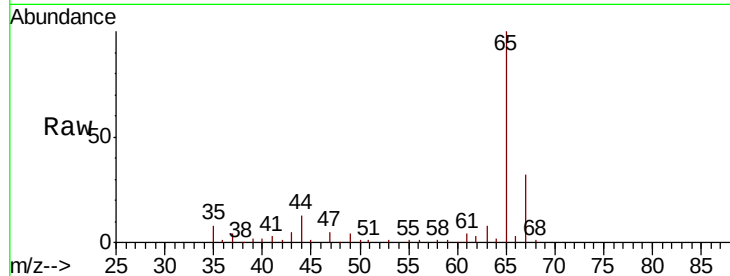
ClientSampleId :

Tot Ion: 62 Resp: 1027

Ion Ratio Lower Upper

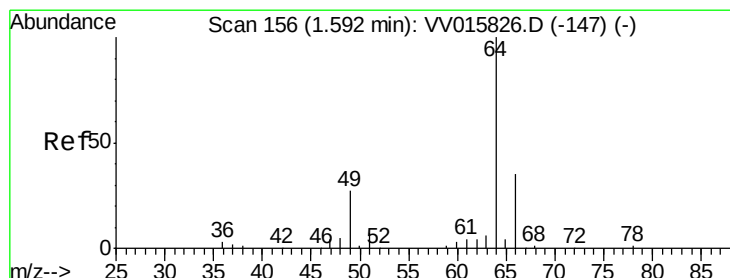
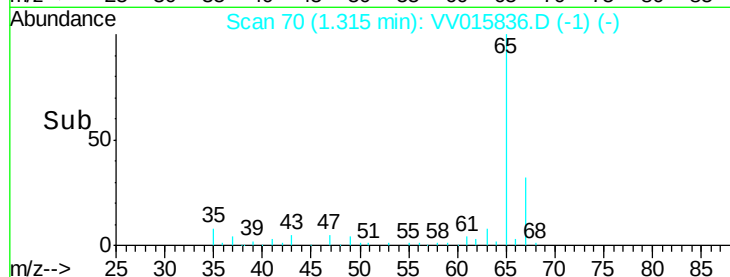
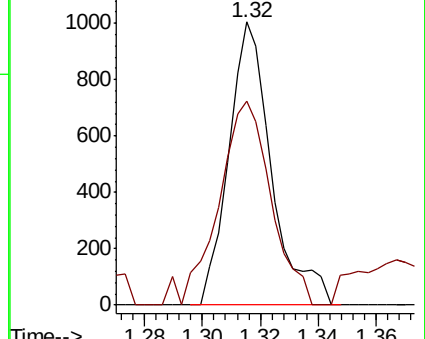
62 100

64 72.1 22.7 42.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.181 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV015836.D

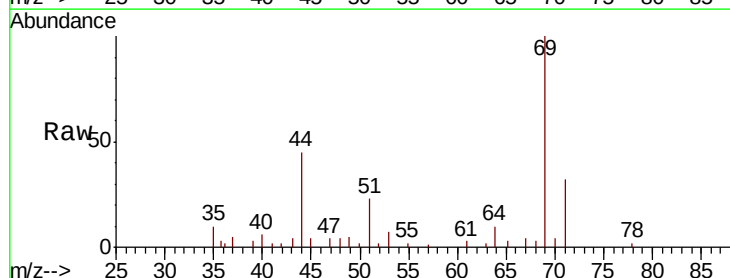
Acq: 30 Apr 2020 14:51

Tgt Ion: 64 Resp: 1113

Ion Ratio Lower Upper

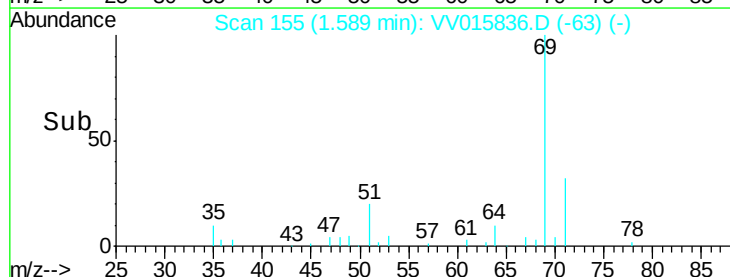
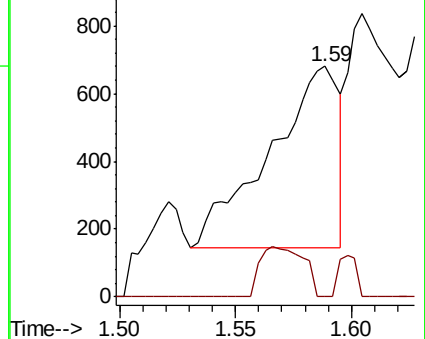
64 100

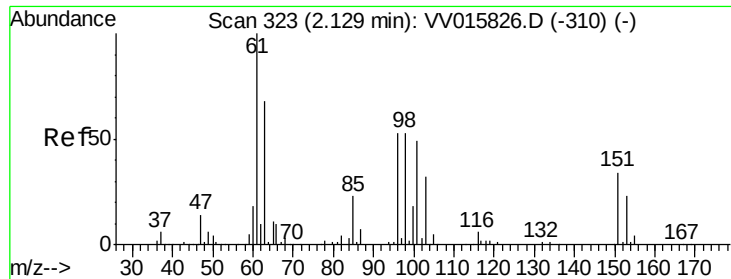
66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.074 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015836.D

Acq: 30 Apr 2020 14:51

Instrument :

MSVOA_V

ClientSampleId :

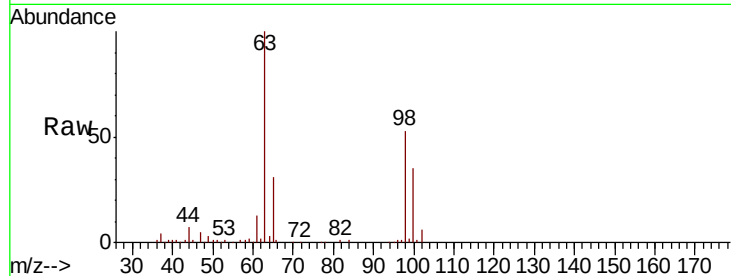
Tot Ion:101 Resp: 554

Ion Ratio Lower Upper

101 100

85 7.6 36.1 54.1#

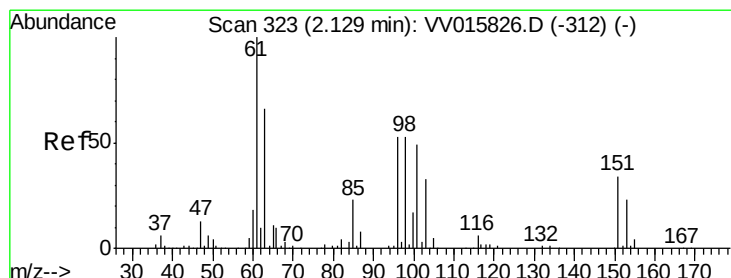
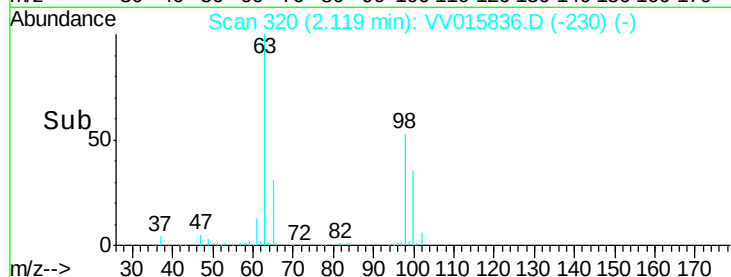
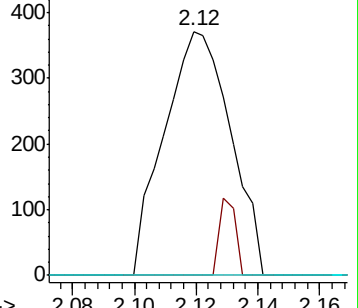
151 0.0 55.2 82.8#



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



#12

1,1-Dichloroethene

Concen: 0.108 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV015836.D

Acq: 30 Apr 2020 14:51

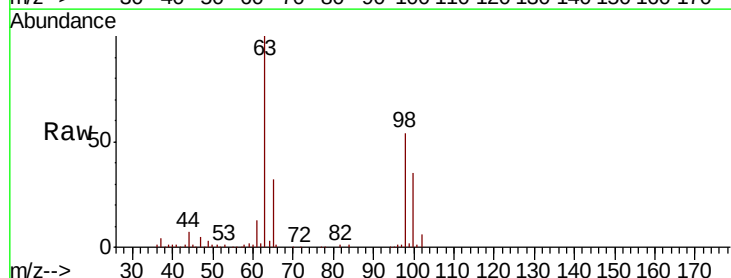
Tgt Ion: 96 Resp: 742

Ion Ratio Lower Upper

96 100

61 1192.9 130.1 241.7#

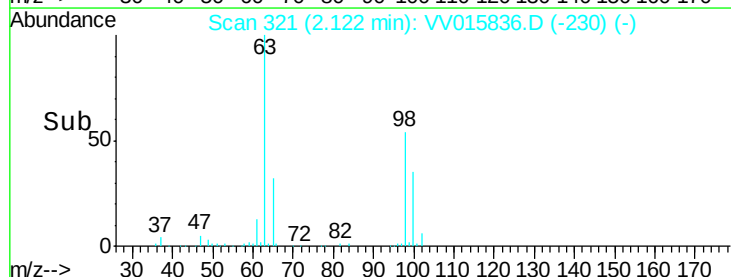
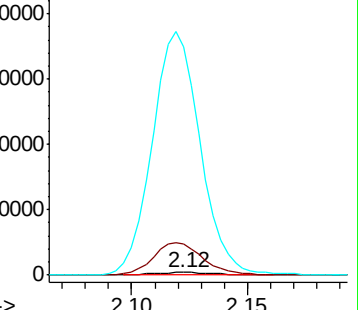
63 8846.7 91.4 169.8#

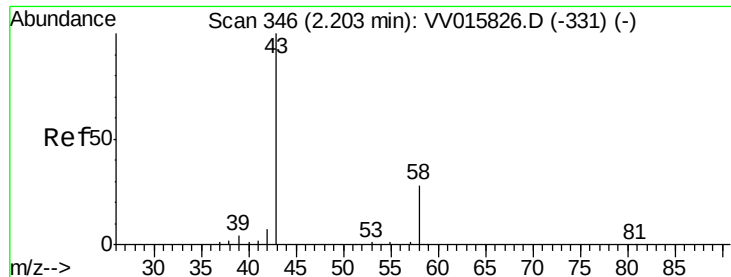


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.364 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.03 min

Lab File: VV015836.D

Acq: 30 Apr 2020 14:51

Instrument :

MSVOA_V

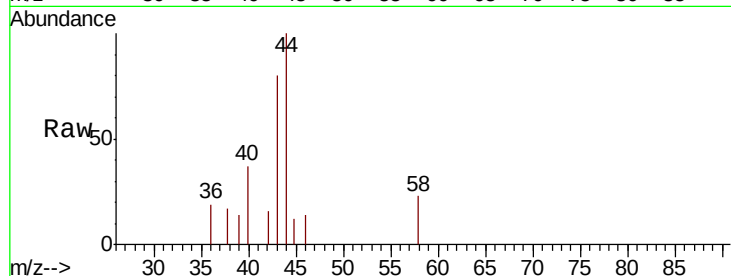
ClientSampled :

Tot Ion: 43 Resp: 1881

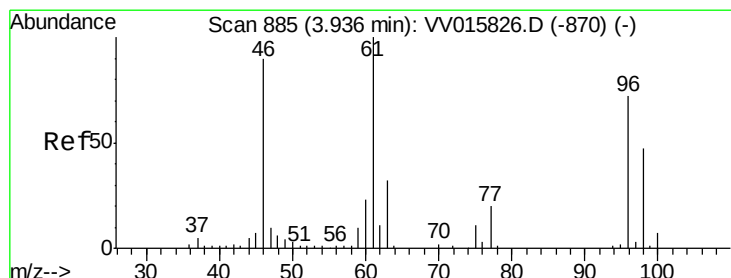
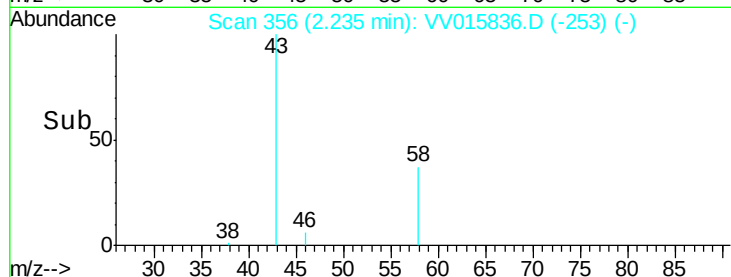
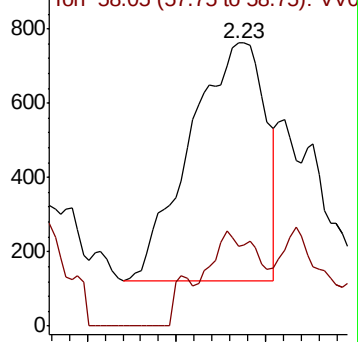
Ion Ratio Lower Upper

43 100

58 25.9 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015836.D (-253) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.834 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015836.D

Acq: 30 Apr 2020 14:51

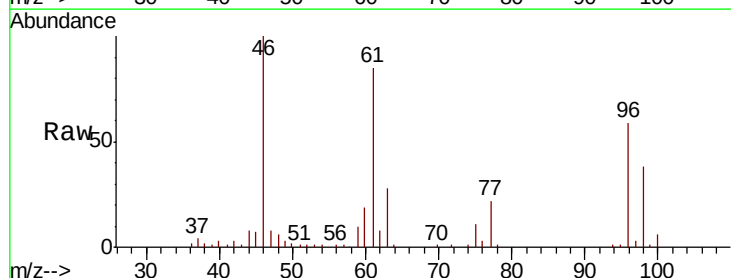
Tgt Ion: 96 Resp: 32704

Ion Ratio Lower Upper

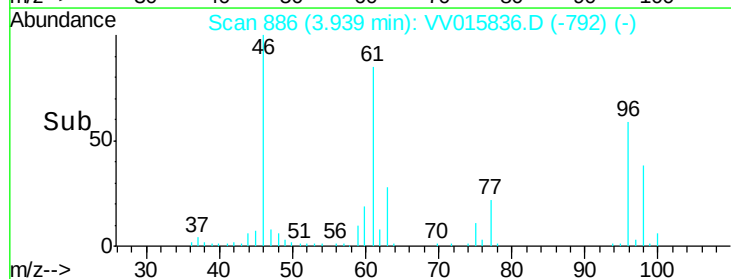
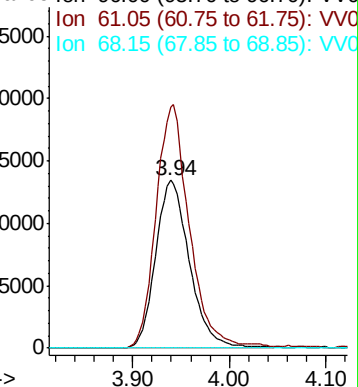
96 100

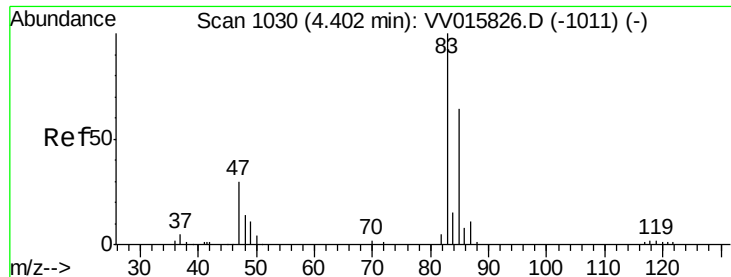
61 143.6 96.4 179.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV015836.D (-792) (-)

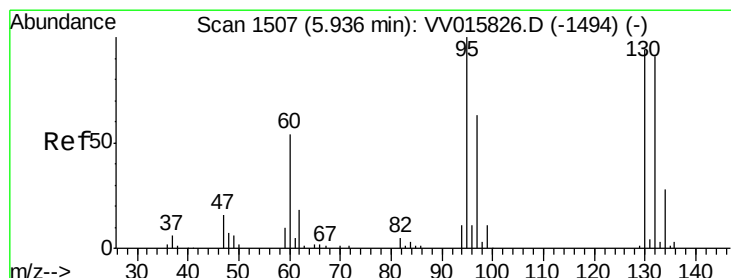
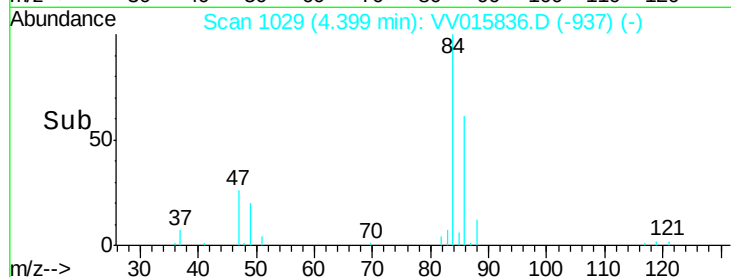
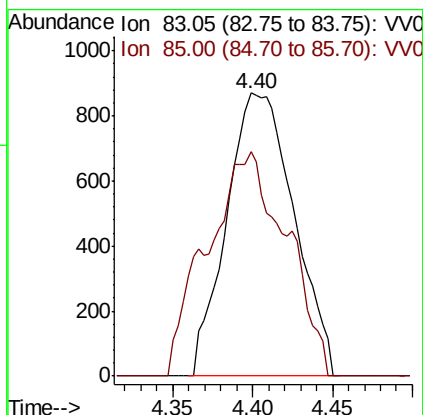
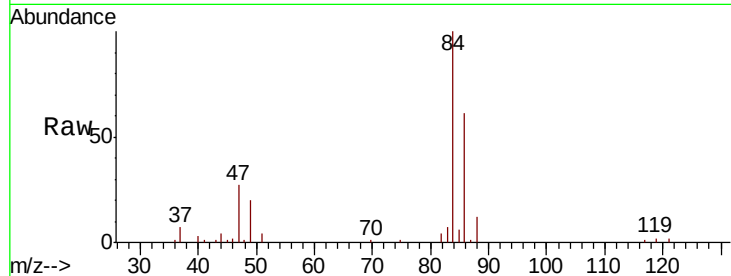




#25
Chloroform
Concen: 0.156 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015836.D
Acq: 30 Apr 2020 14:51

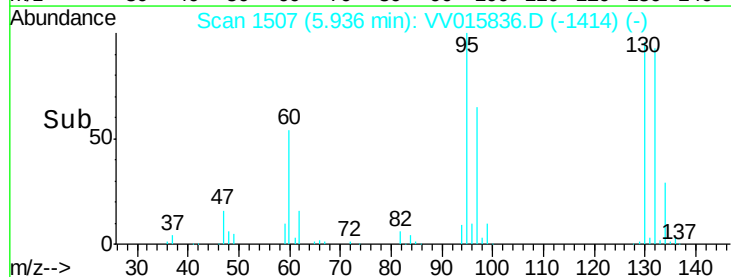
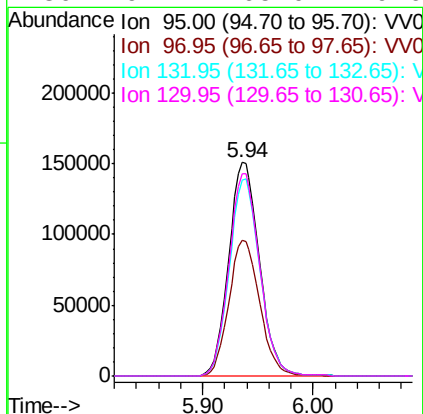
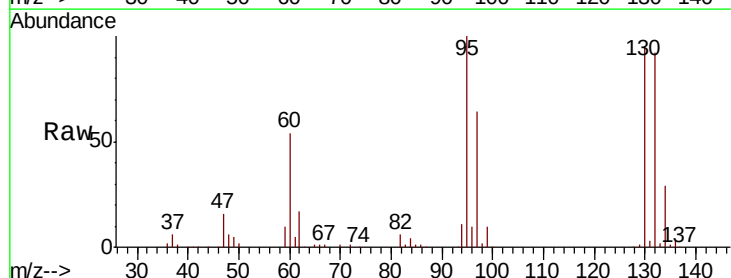
Instrument :
MSVOA_V
ClientSampleId :

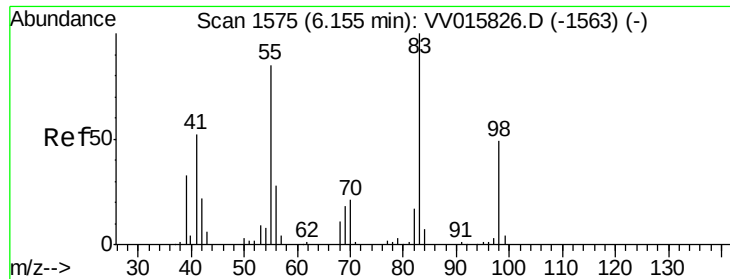
Tot Ion: 83 Resp: 2516
Ion Ratio Lower Upper
83 100
85 79.5 46.1 85.5



#34
Trichloroethene
Concen: 32.124 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV015836.D
Acq: 30 Apr 2020 14:51

Tgt Ion: 95 Resp: 291961
Ion Ratio Lower Upper
95 100
97 63.8 44.7 82.9
132 91.7 65.2 121.0
130 94.7 65.0 120.6

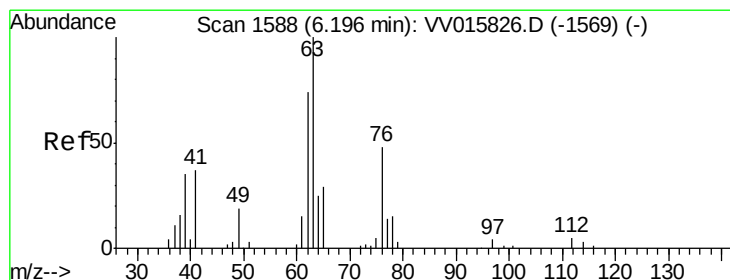
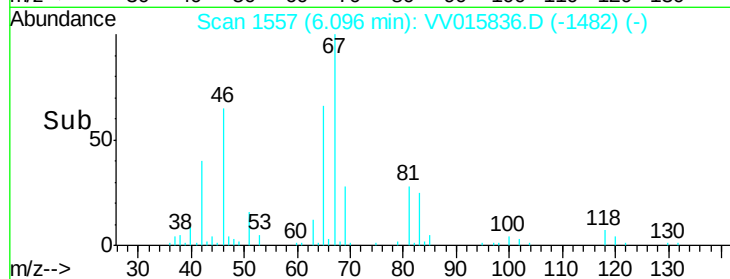
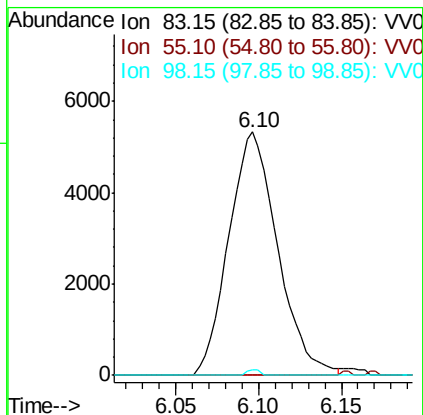
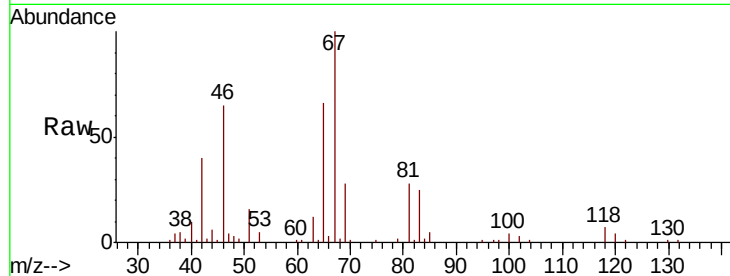




#35
Methvlcvclohexane
Concen: 0.782 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.06 min
Lab File: VV015836.D
Acq: 30 Apr 2020 14:51

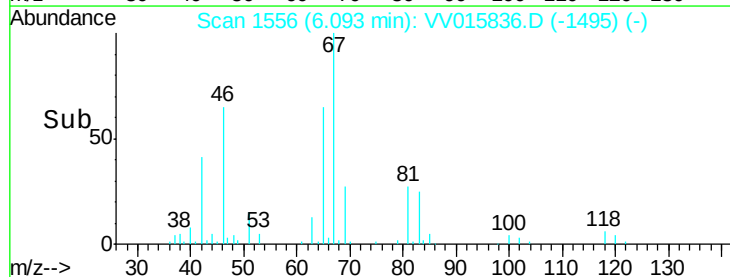
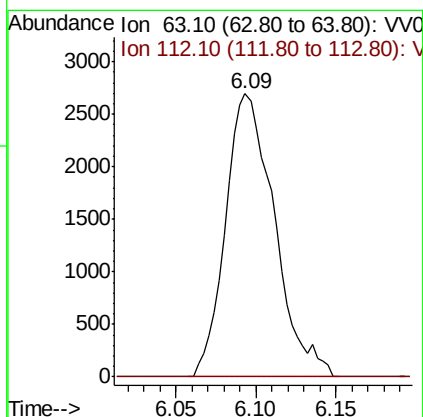
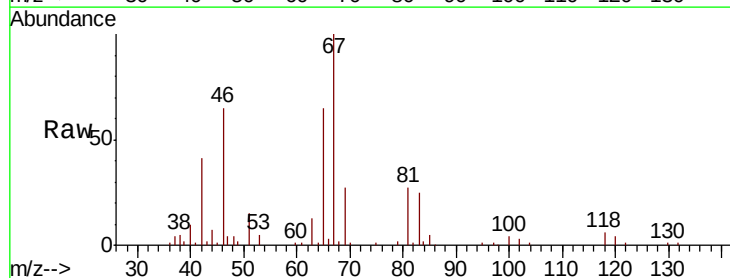
Instrument :
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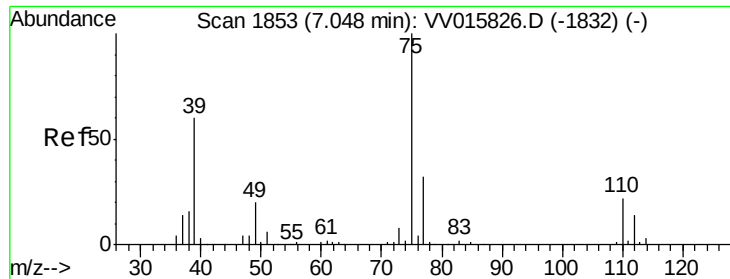
Tot Ion: 83 Resp: 10912
Ion Ratio Lower Upper
83 100
55 0.4 66.6 99.8#
98 0.0 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.672 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015836.D
Acq: 30 Apr 2020 14:51

Tgt Ion: 63 Resp: 5619
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

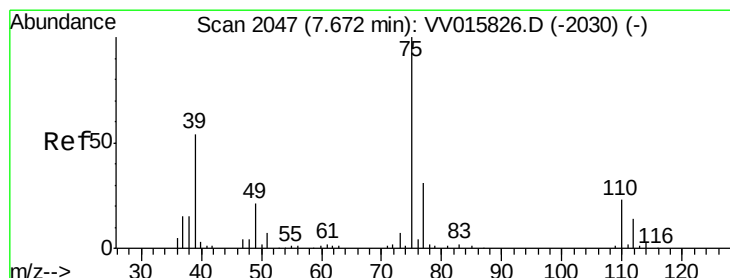
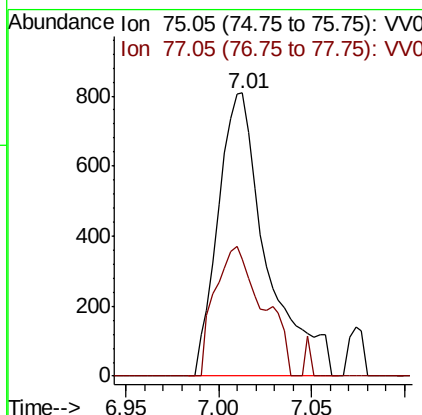
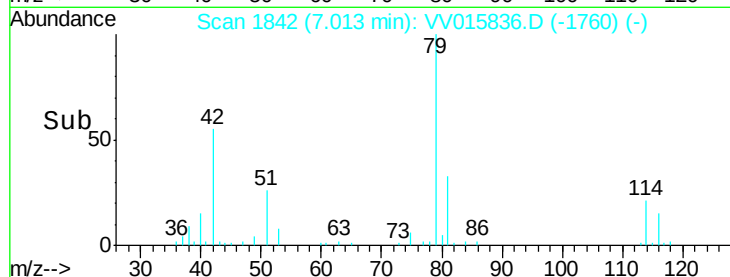
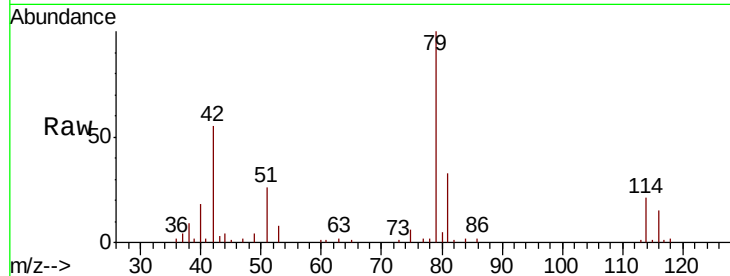




#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV015836.D
 Acq: 30 Apr 2020 14:51

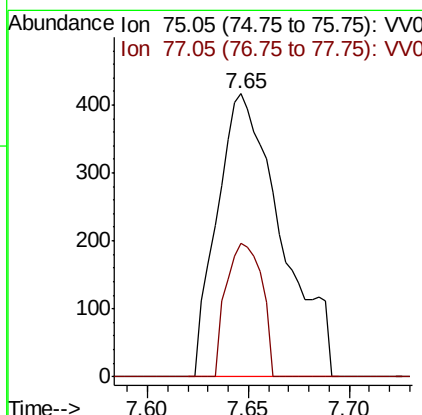
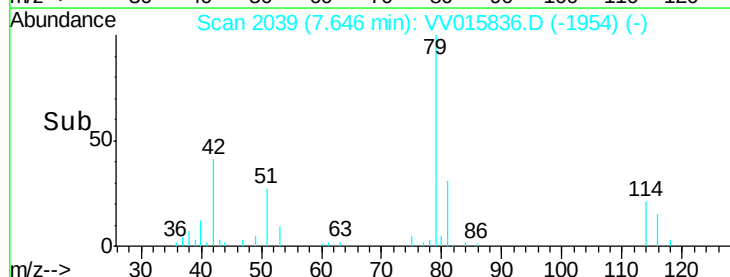
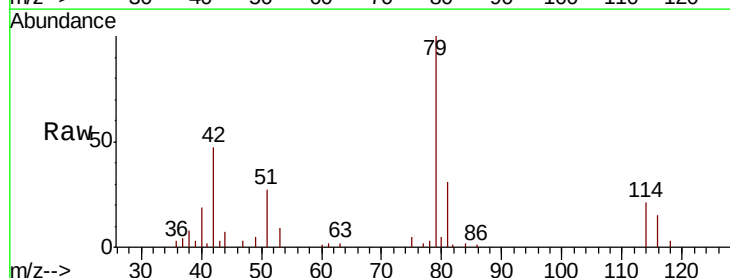
Instrument :
 MSVOA_V
 ClientSampleId :

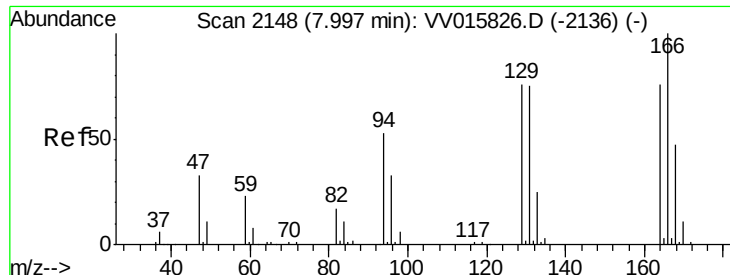
Tot Ion: 75 Resp: 1473
 Ion Ratio Lower Upper
 75 100
 77 41.5 22.3 41.5



#44
 trans-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.65 min Scan# 2039
 Delta R.T. -0.03 min
 Lab File: VV015836.D
 Acq: 30 Apr 2020 14:51

Tgt Ion: 75 Resp: 920
 Ion Ratio Lower Upper
 75 100
 77 47.2 21.8 40.6#





#47

Tetrachloroethene

Concen: 0.254 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015836.D

Acq: 30 Apr 2020 14:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 1665

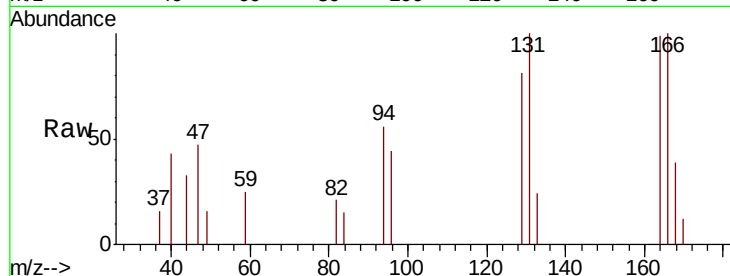
Ion Ratio Lower Upper

164 100

129 82.1 66.7 123.9

131 101.0 66.6 123.6

166 100.5 85.3 158.5

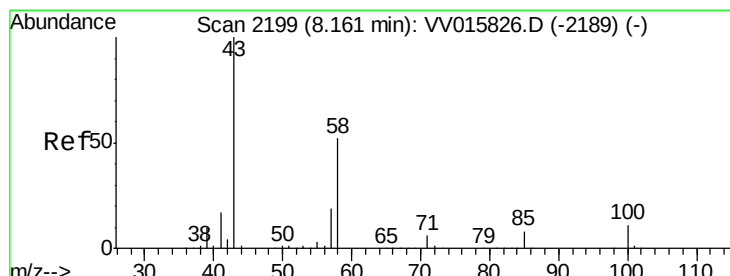
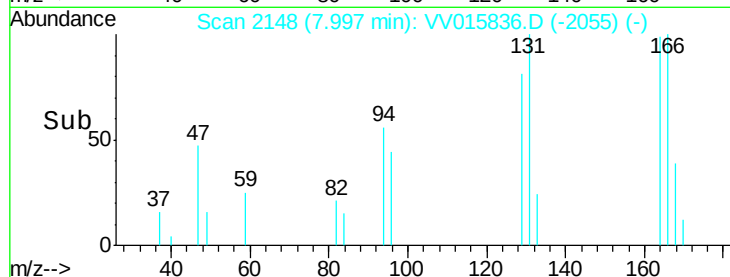
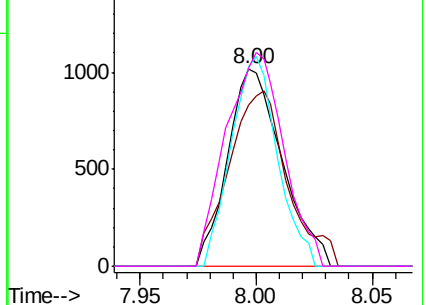


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.607 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015836.D

Acq: 30 Apr 2020 14:51

Tgt Ion: 43 Resp: 6221

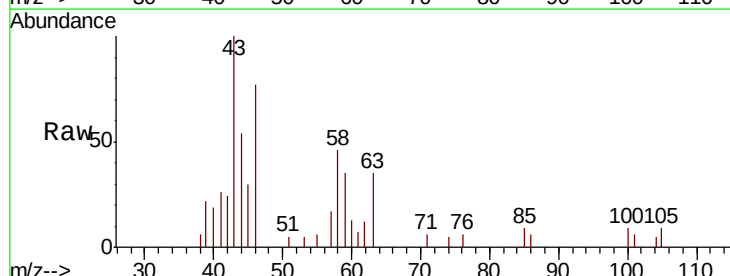
Ion Ratio Lower Upper

43 100

58 32.1 41.1 61.7#

57 2.9 15.0 22.4#

100 4.6 9.0 13.4#

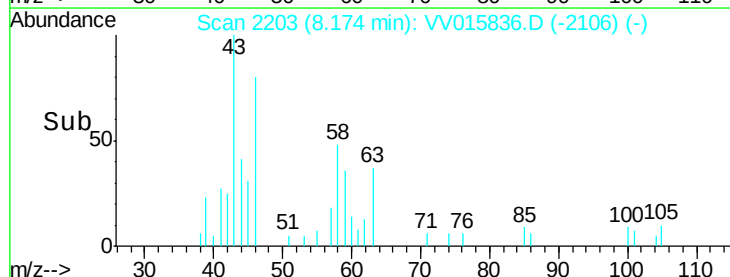
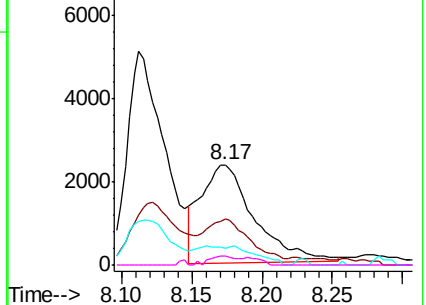


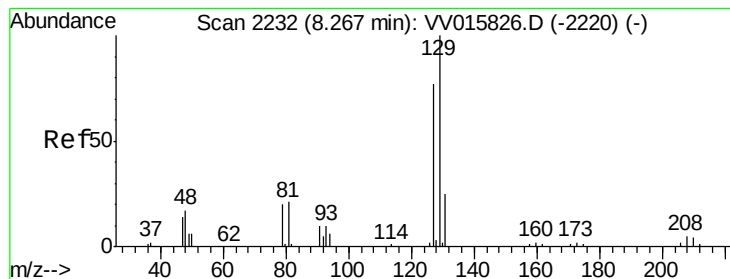
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.270 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. -0.26 min

Lab File: VV015836.D

Acq: 30 Apr 2020 14:51

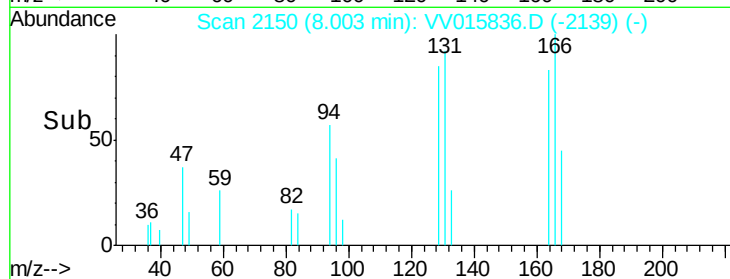
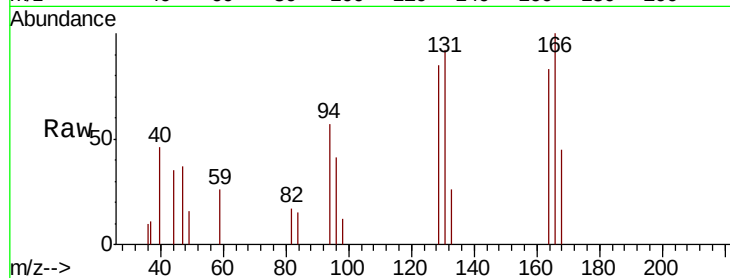
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 1591

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

