

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013699.D
 Acq On : 20 Nov 2019 19:32
 Operator : SY/MD
 Sample : K5941-05 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:55:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 00:51:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	278716	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	269157	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	126153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	122613	7.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	142.40%#
7) Chloroethane-d5	1.58	69	105866	6.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	137.80%#
11) 1,1-Dichloroethene-d2	2.13	63	182096	5.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.00%
20) 2-Butanone-d5	3.95	46	267725	67.24	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.48%#
24) Chloroform-d	4.40	84	242984	6.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.60%#
26) 1,2-Dichloroethane-d4	5.08	65	121001	6.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.40%#
32) Benzene-d6	5.10	84	490379	6.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	130.80%#
36) 1,2-Dichloropropane-d6	6.11	67	147129	6.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	132.80%
41) Toluene-d8	7.36	98	426078	6.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.20%
43) trans-1,3-Dichloropropene-	7.66	79	49213	5.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.40%
46) 2-Hexanone-d5	8.14	63	184305	57.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102349	6.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	127.60%#
64) 1,2-Dichlorobenzene-d4	11.67	152	164383	6.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	135.40%#

Target Compounds

					Ovalue
8) Chloroethane	1.74	64	1841	0.140 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1724	0.101 ug/L #	29
12) 1,1-Dichloroethene	2.14	96	33816	2.031 ug/L #	19
13) Acetone	2.20	43	4111	1.636 ug/L #	17
14) Carbon disulfide	2.32	76	7724	0.134 ug/L	97
16) Methylene chloride	2.53	84	8079	0.349 ug/L	95
19) 1,1-Dichloroethane	3.23	63	110032	3.001 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	16482	0.773 ug/L #	93
25) Chloroform	4.43	83	20775	0.418 ug/L	89
34) Trichloroethene	5.96	95	317378	14.555 ug/L	100
35) Methylcyclohexane	6.12	83	36721	1.104 ug/L #	19
37) 1,2-Dichloropropane	6.11	63	16155	0.828 ug/L #	86
38) Bromodichloromethane	6.56	83	2400	0.088 ug/L #	93
47) Tetrachloroethene	8.02	164	6233	0.308 ug/L	92
48) 2-Hexanone	8.14	43	24075	2.991 ug/L #	55

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
Data File : VV013699.D
Acq On : 20 Nov 2019 19:32
Operator : SY/MD
Sample : K5941-05 10X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 21 00:55:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 21 00:51:34 2019
Response via : Initial Calibration

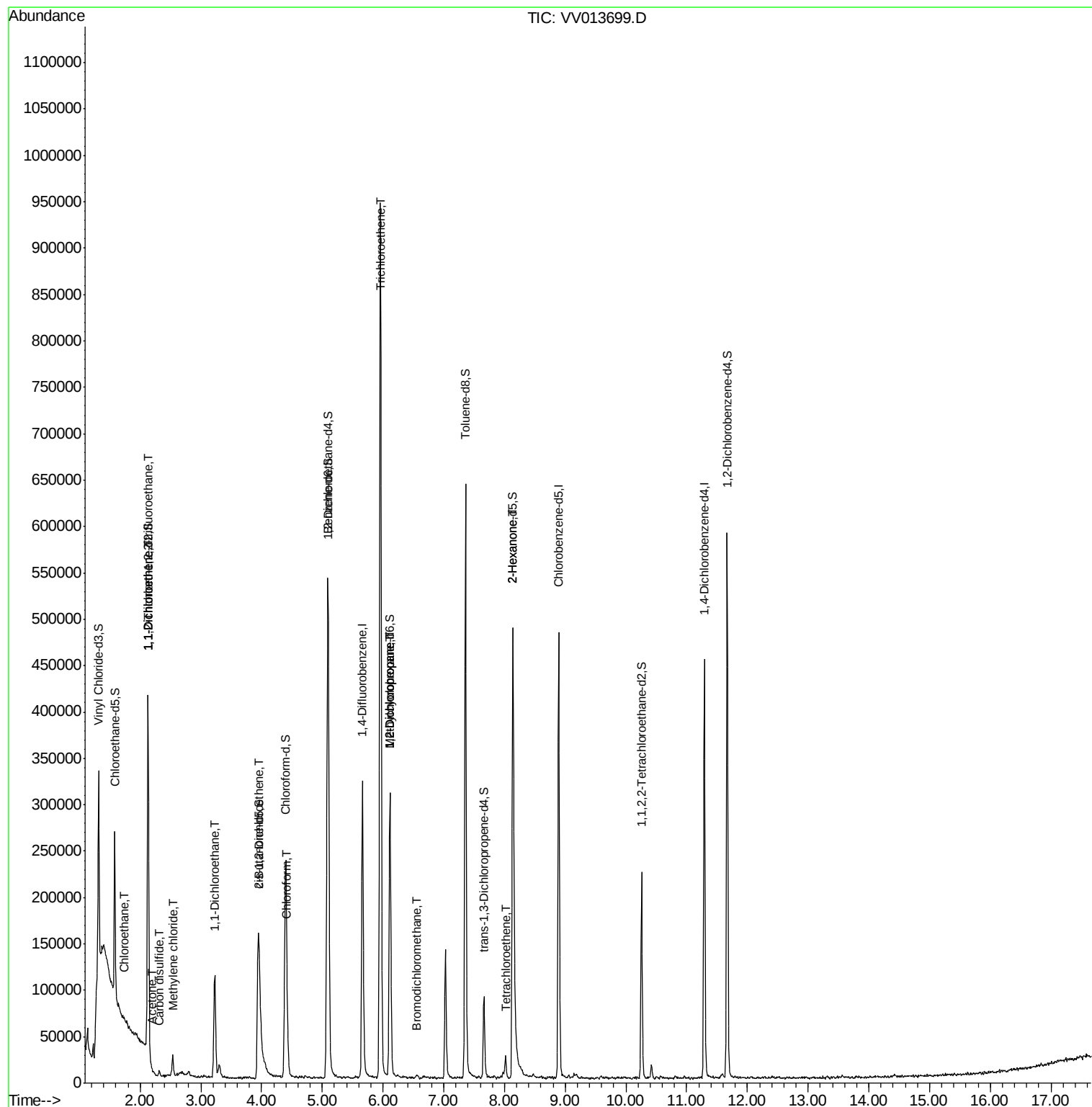
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

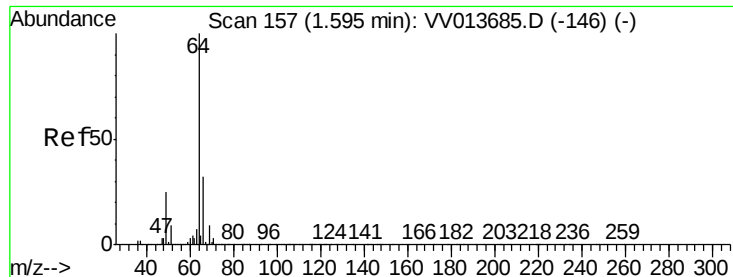
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
Data File : VV013699.D
Acq On : 20 Nov 2019 19:32
Operator : SY/MD
Sample : K5941-05 10X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 21 00:55:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 21 00:51:34 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.140 ug/L

RT: 1.74 min Scan# 203

Delta R.T. 0.15 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

Instrument :

MSVOA_V

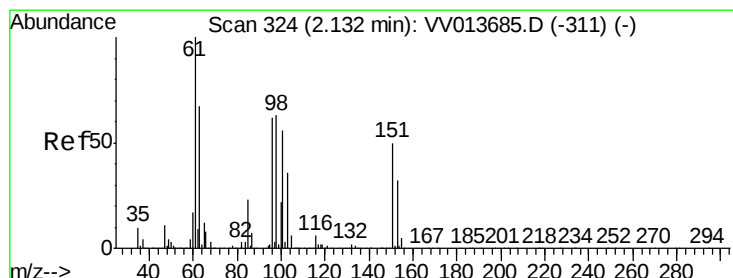
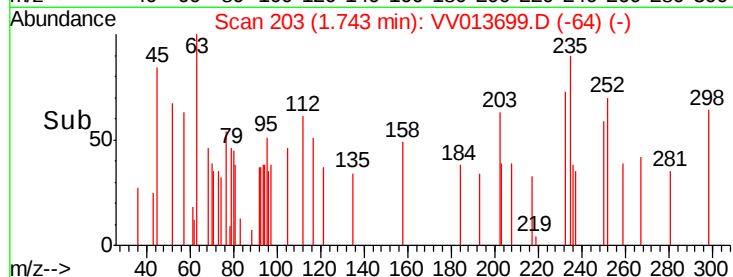
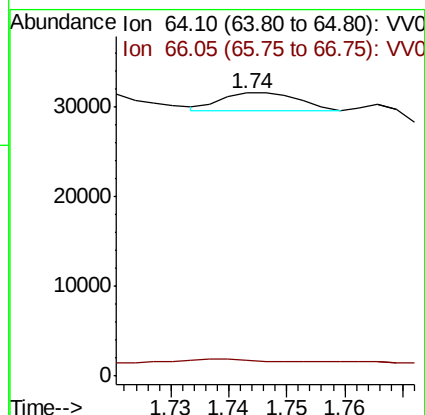
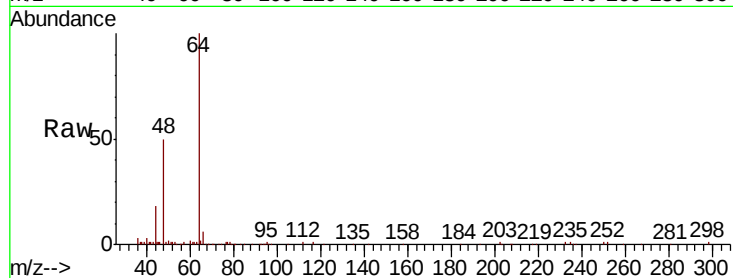
ClientSampleId :

Tot Ion: 64 Resp: 1841

Ion Ratio Lower Upper

64 100

66 5.5 21.9 40.7#



#10

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

Concen: 0.101 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

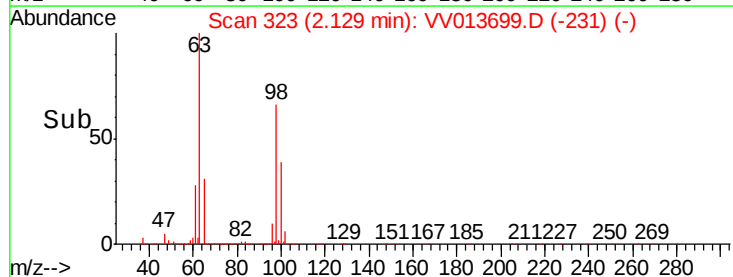
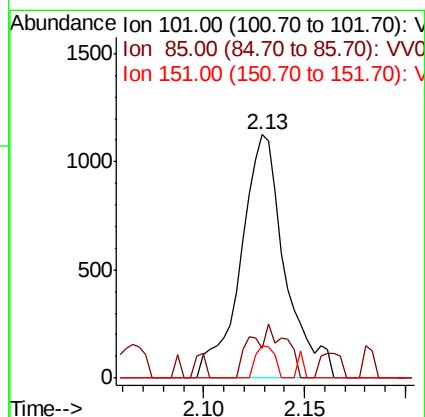
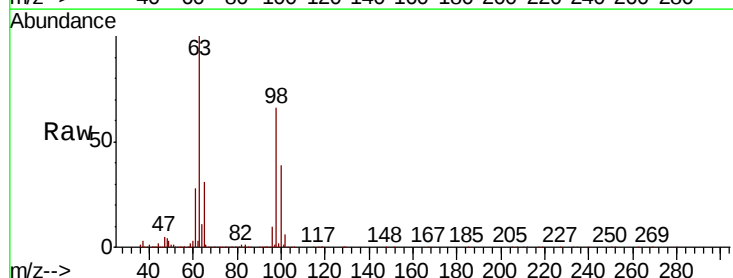
Tgt Ion: 101 Resp: 1724

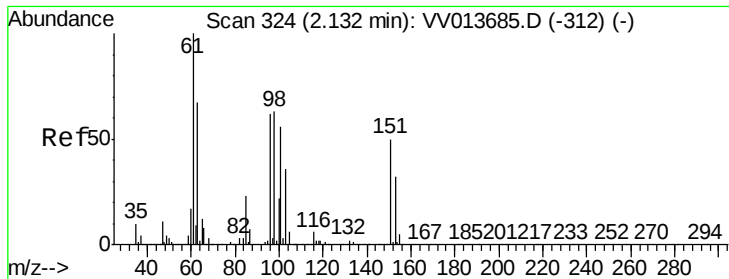
Ion Ratio Lower Upper

101 100

85 17.4 32.0 48.0#

151 5.7 69.0 103.6#





#12

1,1-Dichloroethene

Concen: 2.031 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

Instrument :
MSVOA_V
ClientSampleId :

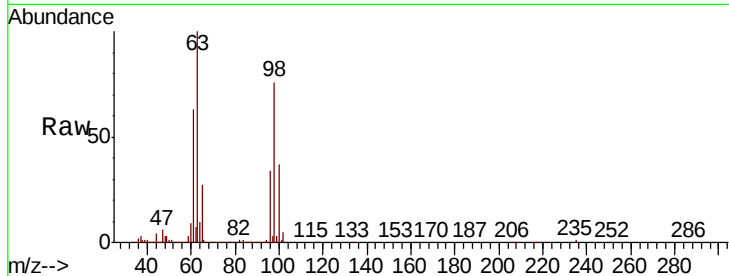
Tot Ion: 96 Resp: 33816

Ion Ratio Lower Upper

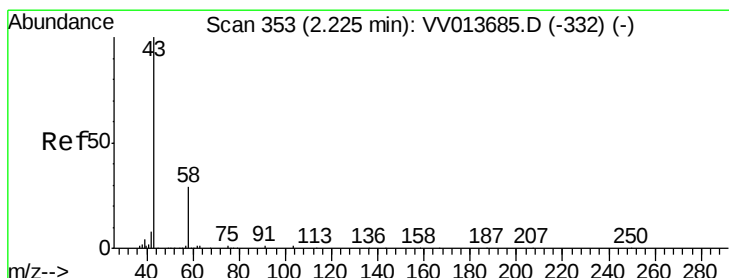
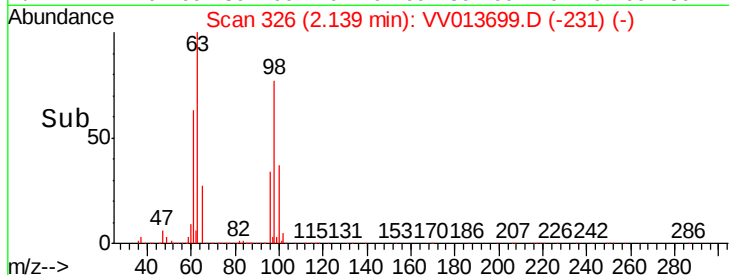
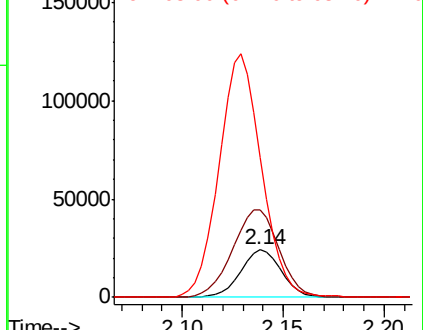
96 100

61 184.6 112.5 208.9

63 293.5 76.9 142.7#



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: 1.636 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV013699.D

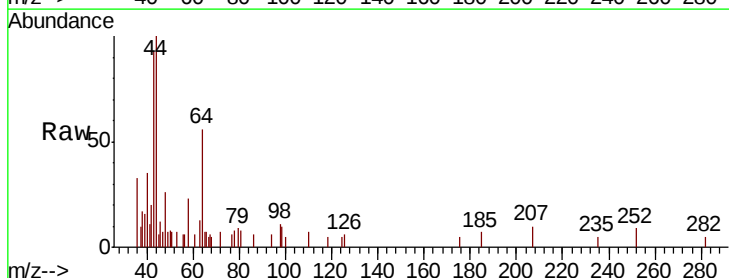
Acq: 20 Nov 2019 19:32

Tgt Ion: 43 Resp: 4111

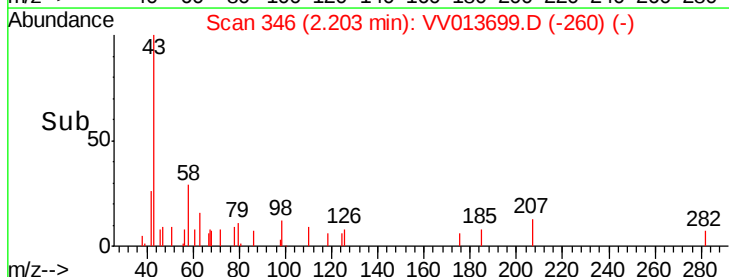
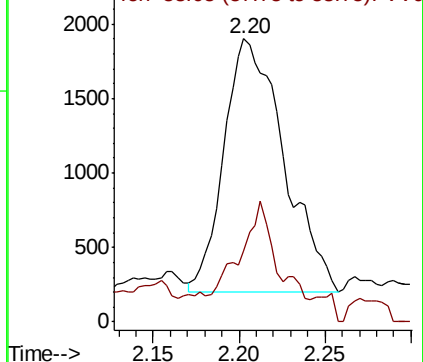
Ion Ratio Lower Upper

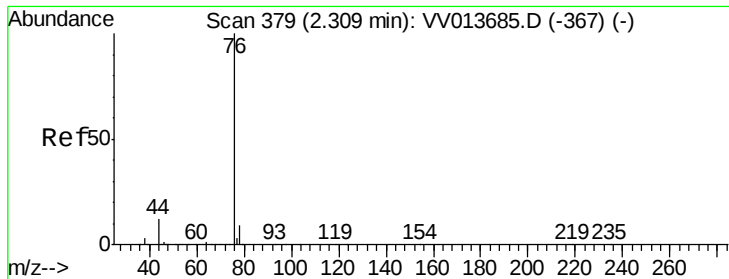
43 100

58 38.0 0.0 17.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.134 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

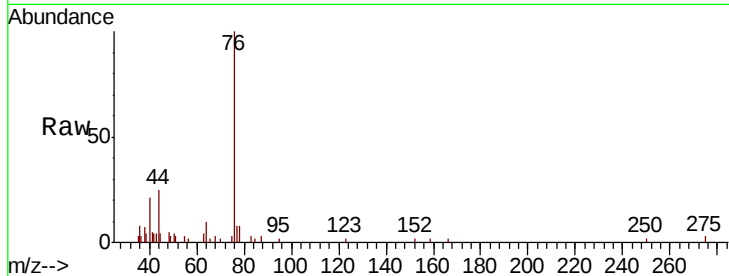
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 76 Resp: 7724

Ion Ratio Lower Upper

76 100

78 8.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

5000

4000

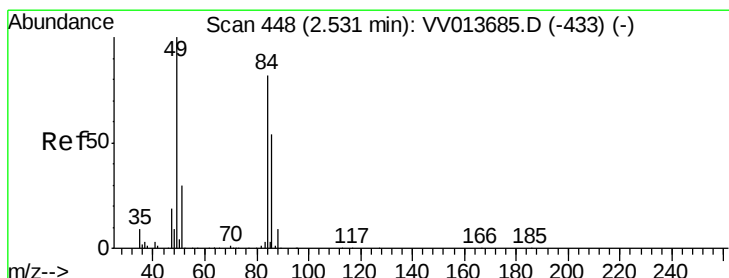
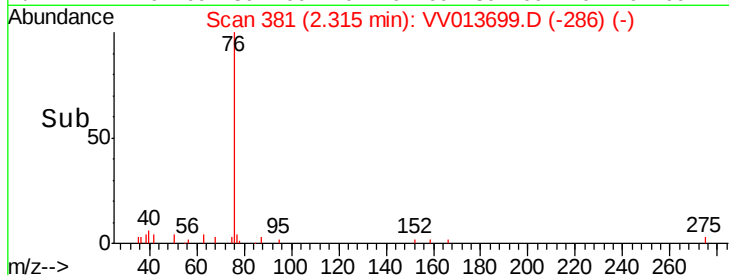
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#16

Methylene chloride

Concen: 0.349 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

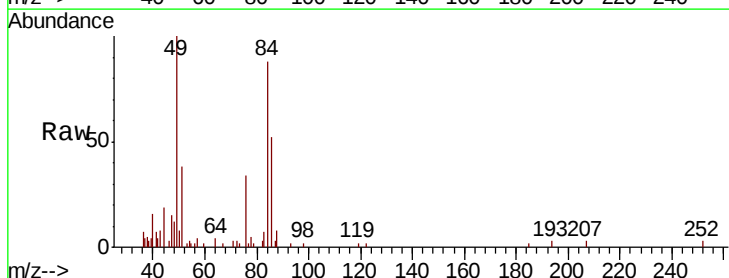
Tgt Ion: 84 Resp: 8079

Ion Ratio Lower Upper

84 100

86 58.9 44.1 81.9

49 114.1 83.4 155.0



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

8000

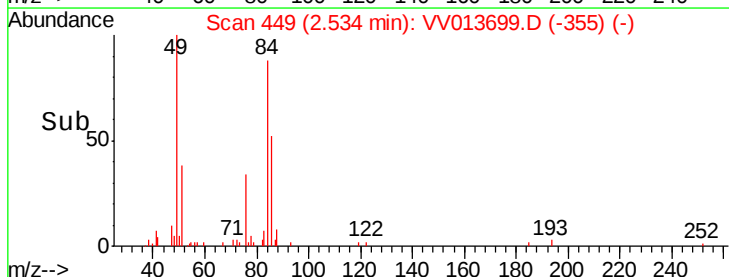
6000

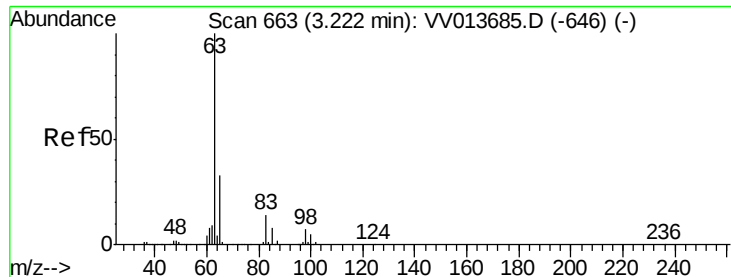
4000

2000

0

Time--> 2.50 2.55





#19

1,1-Dichloroethane

Concen: 3.001 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.01 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

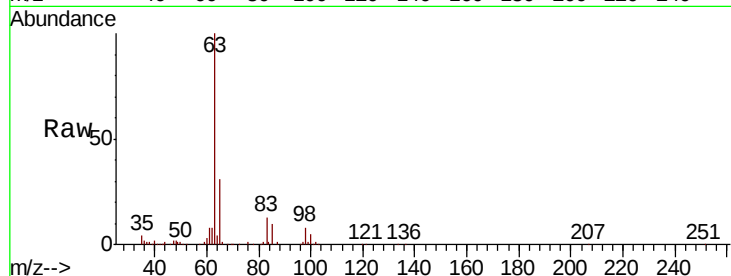
Tot Ion: 63 Resp: 110032

Ion Ratio Lower Upper

63 100

65 30.7 22.5 41.7

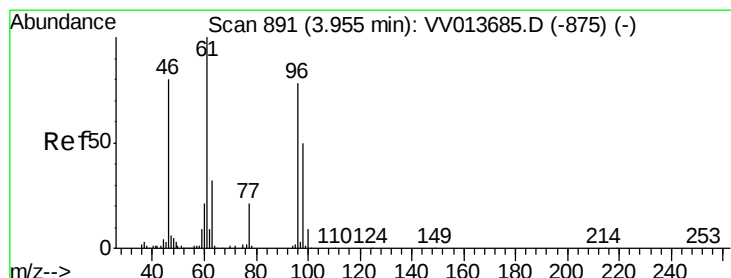
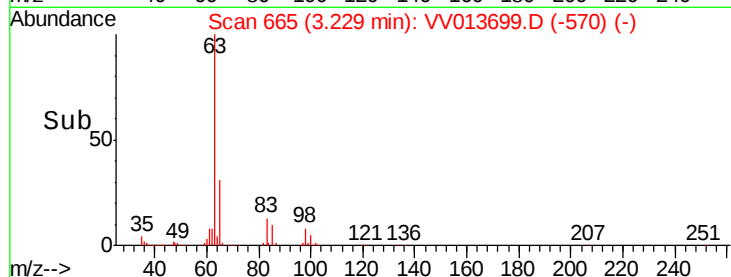
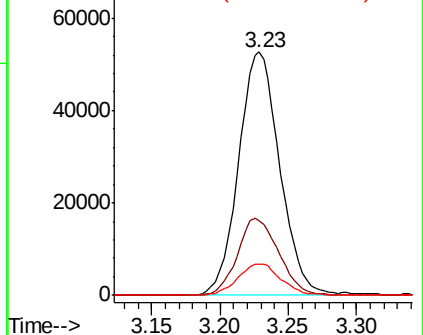
83 13.0 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.773 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

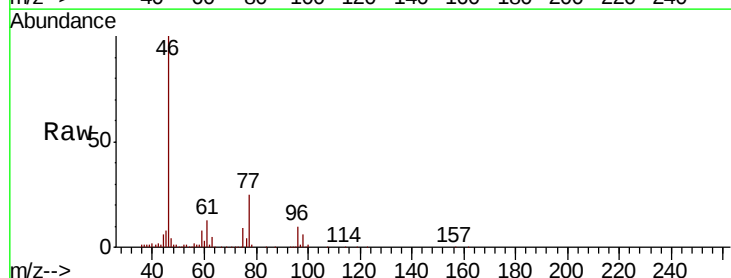
Tgt Ion: 96 Resp: 16482

Ion Ratio Lower Upper

96 100

61 133.5 87.7 162.9

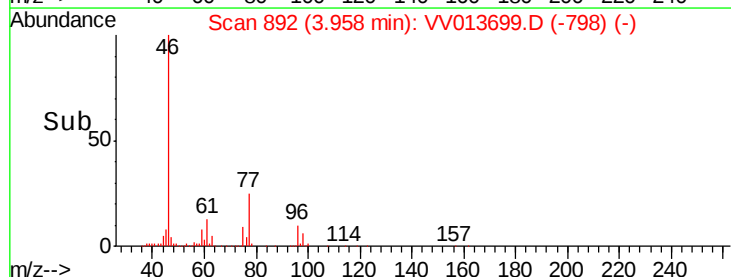
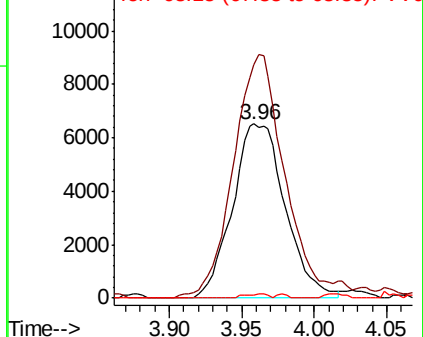
68 1.9 0.1 0.3#

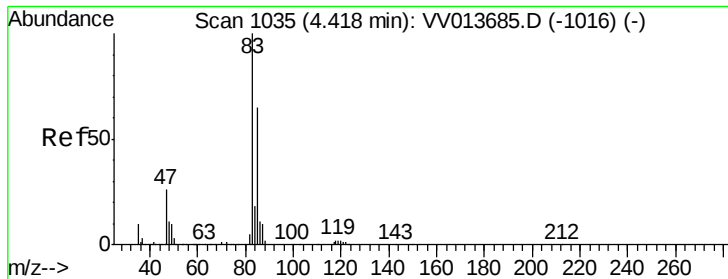


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

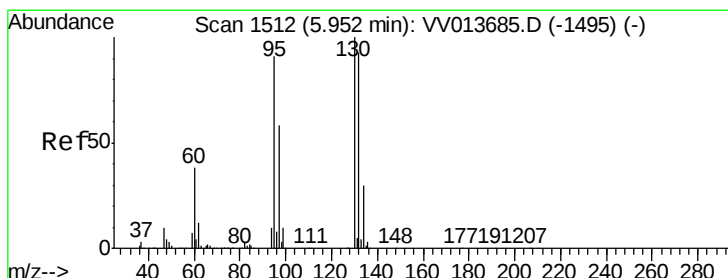
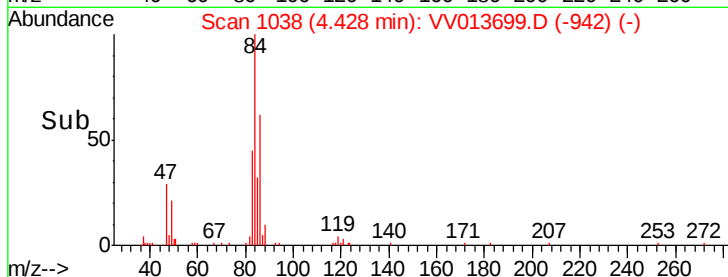
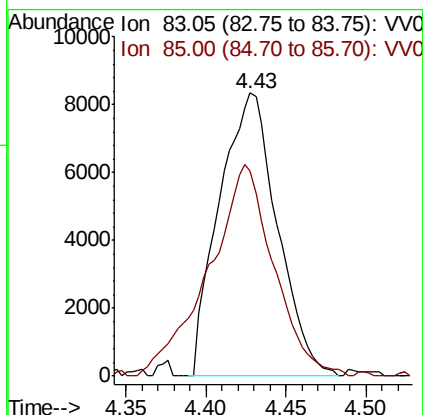
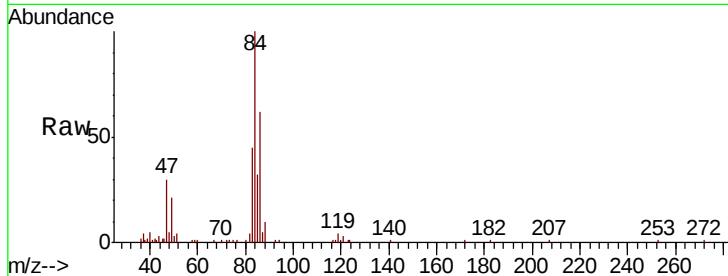




#25
Chloroform
Concen: 0.418 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013699.D
Acq: 20 Nov 2019 19:32

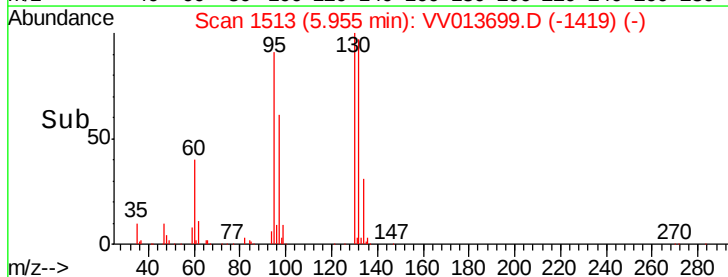
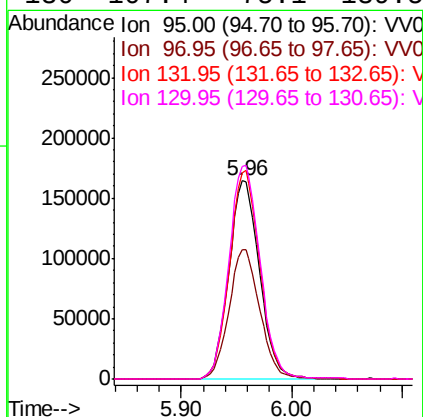
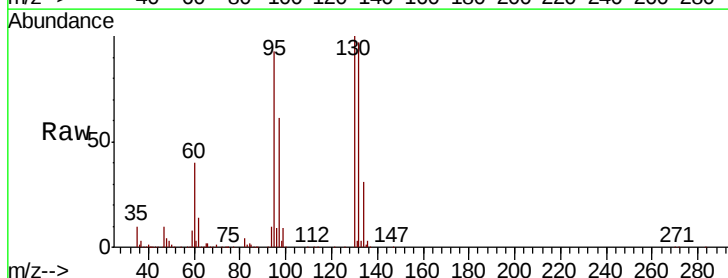
Instrument :
MSVOA_V
ClientSampleId :

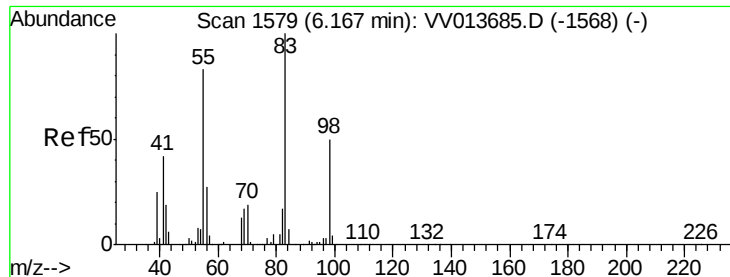
Tot Ion: 83 Resp: 20775
Ion Ratio Lower Upper
83 100
85 72.5 44.4 82.5



#34
Trichloroethene
Concen: 14.555 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013699.D
Acq: 20 Nov 2019 19:32

Tgt Ion: 95 Resp: 317378
Ion Ratio Lower Upper
95 100
97 65.3 44.8 83.2
132 104.2 72.9 135.3
130 107.4 75.1 139.5

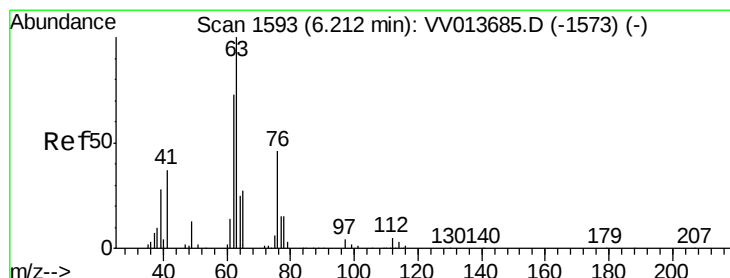
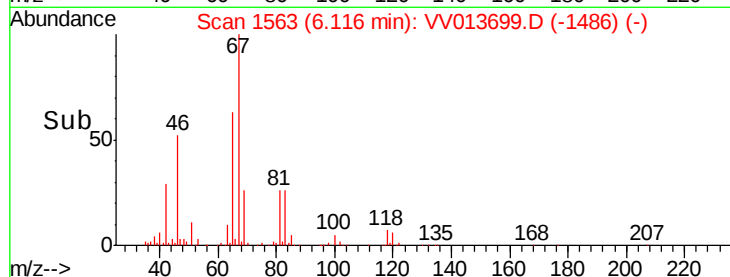
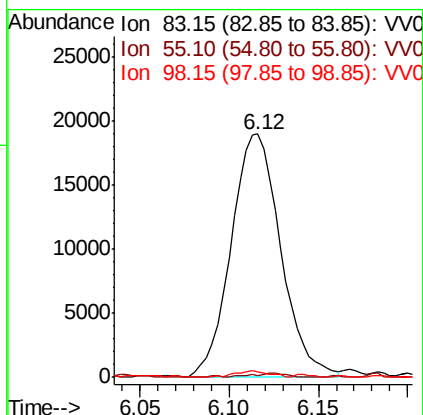
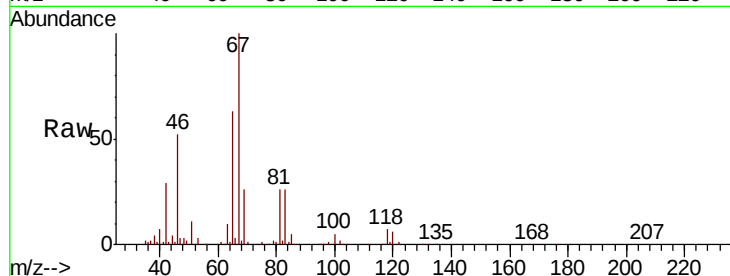




#35
Methvlcvclohexane
Concen: 1.104 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013699.D
Acq: 20 Nov 2019 19:32

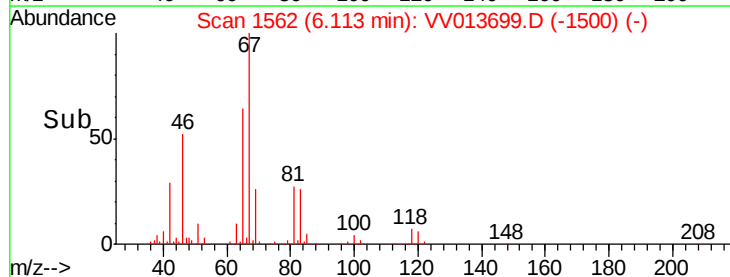
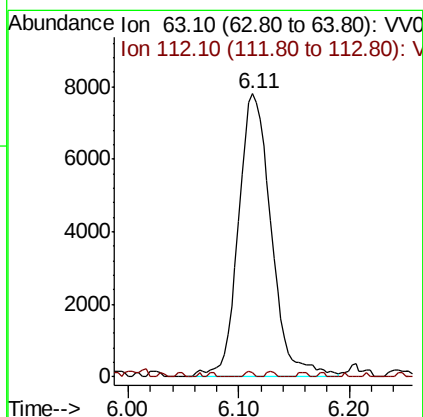
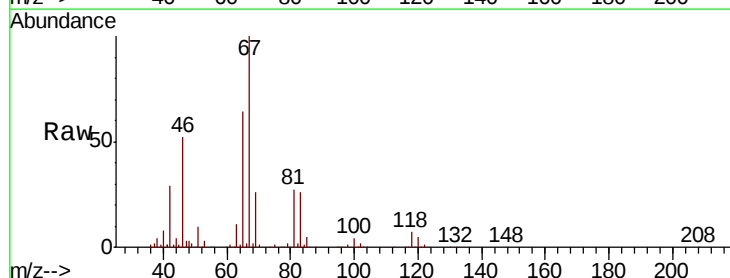
Instrument :
MSVOA_V
ClientSampleId :

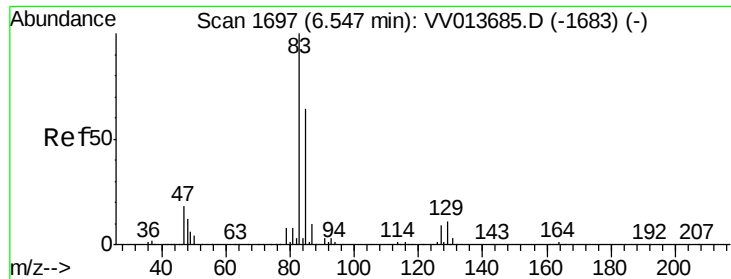
Tot Ion: 83 Resp: 36721
Ion Ratio Lower Upper
83 100
55 1.2 64.1 96.1#
98 1.8 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.828 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013699.D
Acq: 20 Nov 2019 19:32

Tgt Ion: 63 Resp: 16155
Ion Ratio Lower Upper
63 100
112 0.5 4.1 6.1#





#38

Bromodichloromethane

Concen: 0.088 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.01 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

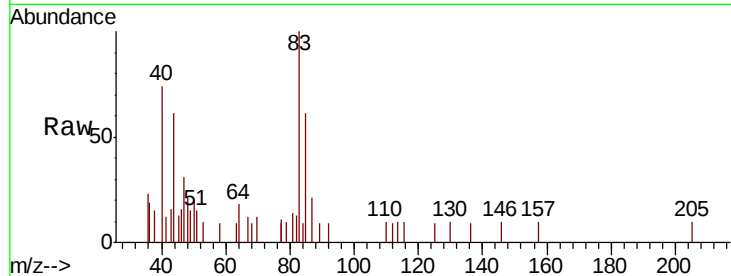
Tot Ion: 83 Resp: 2400

Ion Ratio Lower Upper

83 100

85 60.5 44.9 83.5

127 0.0 7.0 10.6#

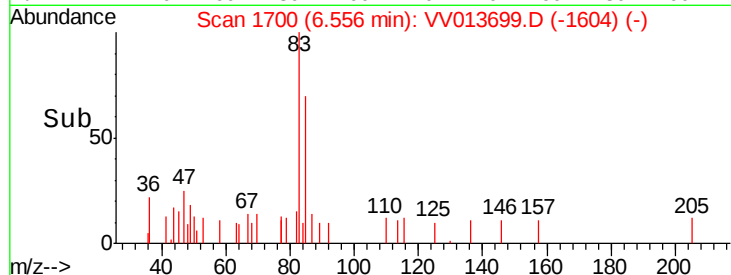


Abundance Ion 82.95 (82.65 to 83.65): VV013685.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV013685.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV013685.D (-1683) (-)

Time-->



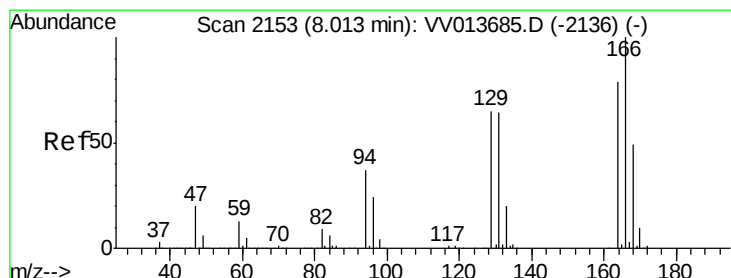
Abundance

Ion 82.95 (82.65 to 83.65): VV013685.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV013685.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV013685.D (-1683) (-)

Time-->



#47

Tetrachloroethene

Concen: 0.308 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.01 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

Tgt Ion: 164 Resp: 6233

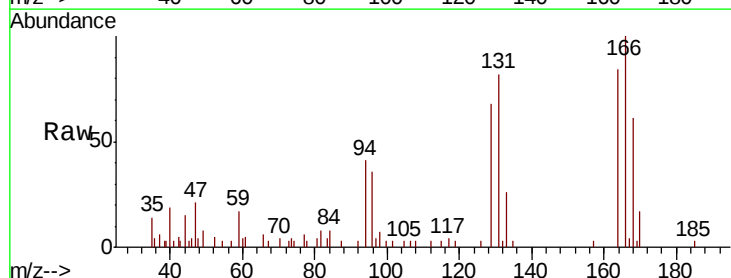
Ion Ratio Lower Upper

164 100

129 80.3 59.1 109.9

131 97.0 58.9 109.5

166 118.8 87.8 163.2



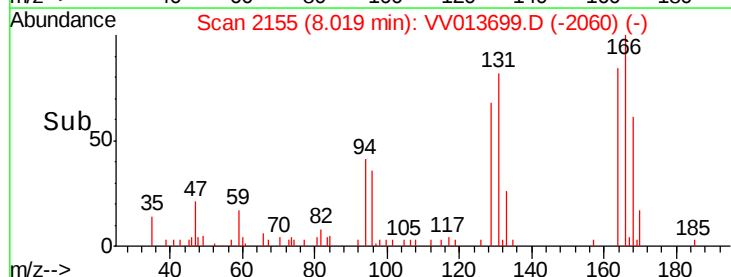
Abundance Ion 163.90 (163.60 to 164.60): VV013685.D (-2136) (-)

Ion 128.95 (128.65 to 129.65): VV013685.D (-2136) (-)

Ion 130.95 (130.65 to 131.65): VV013685.D (-2136) (-)

Ion 165.90 (165.60 to 166.60): VV013685.D (-2136) (-)

Time-->



Abundance

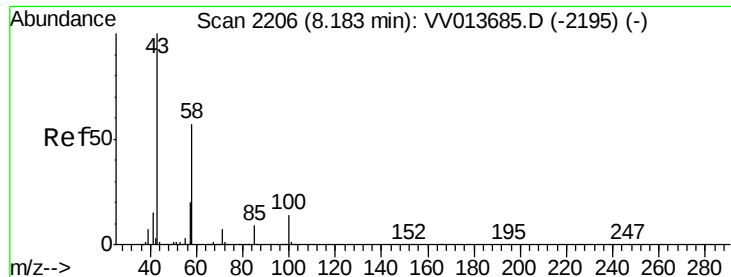
Ion 163.90 (163.60 to 164.60): VV013685.D (-2136) (-)

Ion 128.95 (128.65 to 129.65): VV013685.D (-2136) (-)

Ion 130.95 (130.65 to 131.65): VV013685.D (-2136) (-)

Ion 165.90 (165.60 to 166.60): VV013685.D (-2136) (-)

Time-->



#48

2-Hexanone

Concen: 2.991 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.04 min

Lab File: VV013699.D

Acq: 20 Nov 2019 19:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 24075

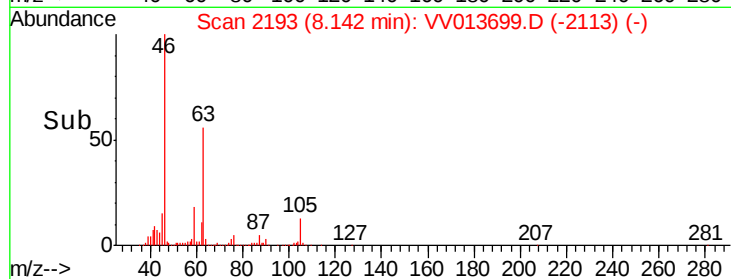
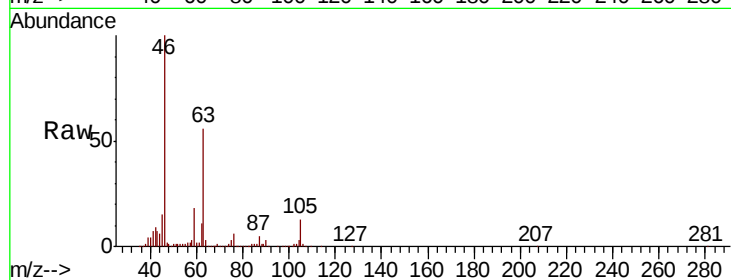
Ion Ratio Lower Upper

43 100

58 20.4 43.0 64.6#

57 44.1 15.4 23.2#

100 3.3 10.1 15.1#



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

