

Data File : VV011806.D
Acq On : 02 Jul 2019 16:25
Operator : SY/MD
Sample : K3598-02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAM80

Quant Time: Jul 03 08:31:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 08:28:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	172747	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	165748	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	72932	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73282	6.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	126.00%
7) Chloroethane-d5	1.58	69	55050	6.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.20%
11) 1,1-Dichloroethene-d2	2.13	63	98162	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	3.95	46	158241	55.12	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.24%
24) Chloroform-d	4.40	84	124924	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.08	65	68788	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.80%
32) Benzene-d6	5.10	84	256060	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.80%
36) 1,2-Dichloropropane-d6	6.12	67	77349	5.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.80%
41) Toluene-d8	7.36	98	219883	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
43) trans-1,3-Dichloropropene-	7.66	79	23410	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.14	63	124193	56.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	50933	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	74903	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1116	0.099	ug/L #	27
12) 1,1-Dichloroethene	2.13	96	1387	0.133	ug/L #	1
13) Acetone	2.21	43	23115	11.756	ug/L	97
15) Methyl Acetate	2.21	43	21527	3.939	ug/L #	50
17) Methyl tert-butyl Ether	2.81	73	4303	0.158	ug/L #	90
18) trans-1,2-Dichloroethene	2.78	96	1694	0.143	ug/L	95
21) 2-Butanone	4.04	43	16053	4.998	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	5906	0.468	ug/L	86
25) Chloroform	4.43	83	4169	0.166	ug/L	99
34) Trichloroethene	5.96	95	19869	1.548	ug/L	97
35) Methylcyclohexane	6.12	83	17982	0.856	ug/L #	15
37) 1,2-Dichloropropane	6.12	63	9158	0.725	ug/L #	89
45) 1,1,2-Trichloroethane	8.02	97	25684	3.168	ug/L #	1
47) Tetrachloroethene	8.02	164	2711491	268.382	ug/L	97
49) Dibromochloromethane	8.02	129	2526133	293.519	ug/L #	11
62) 1,3-Dichlorobenzene	11.23	146	1737	0.077	ug/L	90
65) 1,2-Dichlorobenzene	11.69	146	2130	0.100	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070219\
Quantitation Report (Not Reviewed)

Data File : VV011806.D
Acq On : 02 Jul 2019 16:25
Operator : SY/MD
Sample : K3598-02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

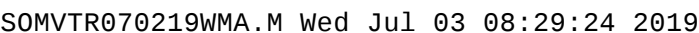
Instrument :
MSVOA_V
ClientSampleId :
GAM80

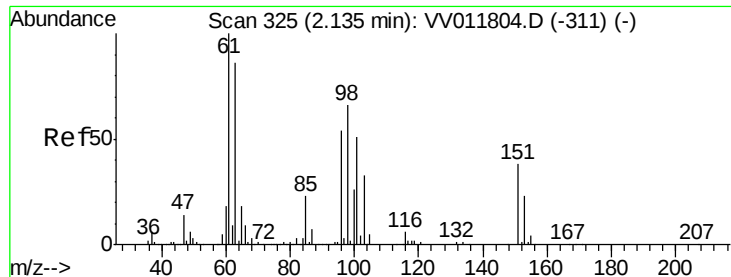
Quant Time: Jul 03 08:31:36 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 08:28:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	12.70	180	850	0.049	ug/L	95
69) Naphthalene	13.56	128	1390	0.062	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	698	0.053	ug/L	90

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

Quant Time: Jul 03 08:31:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
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Response via : Initial Calibration





#10

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

Concen: 0.099 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

GAM80

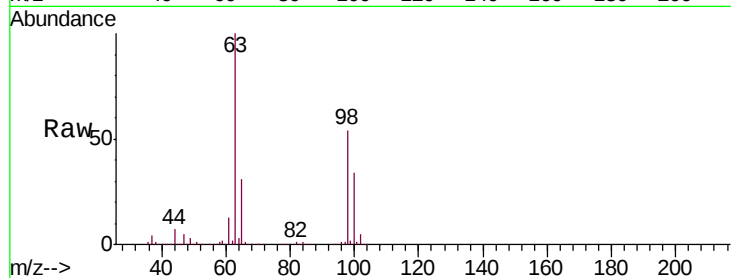
Tgt Ion: 101 Resp: 1116

Ion Ratio Lower Upper

101 100

85 11.2 34.8 52.2#

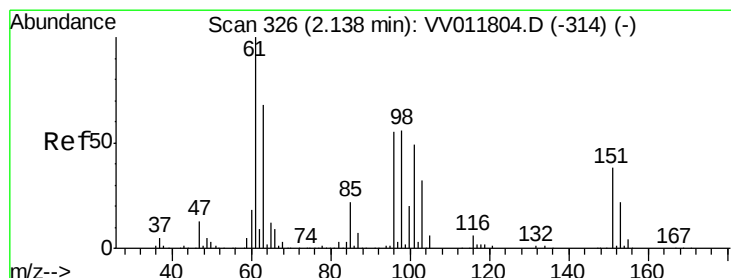
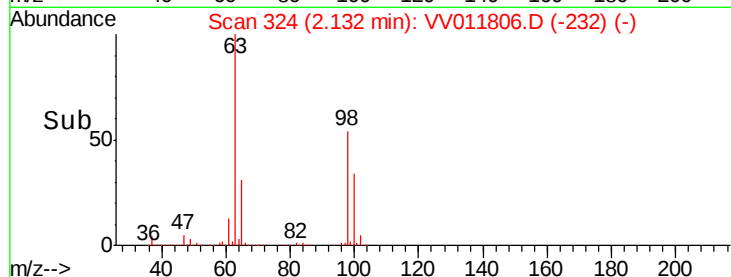
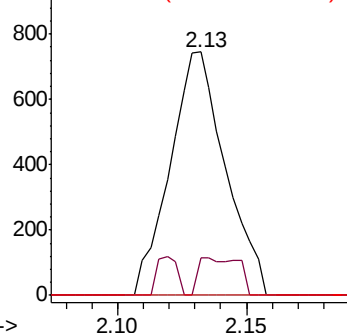
151 0.0 58.2 87.4#



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: 0.133 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

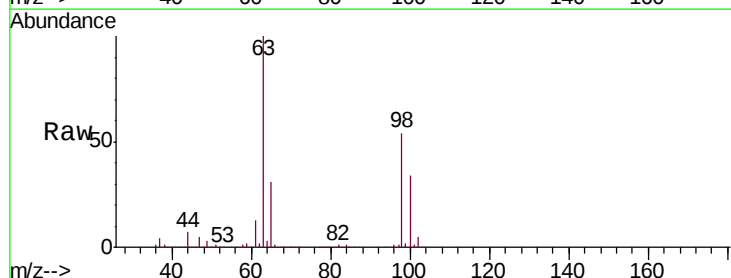
Tgt Ion: 96 Resp: 1387

Ion Ratio Lower Upper

96 100

61 1297.3 137.1 254.5#

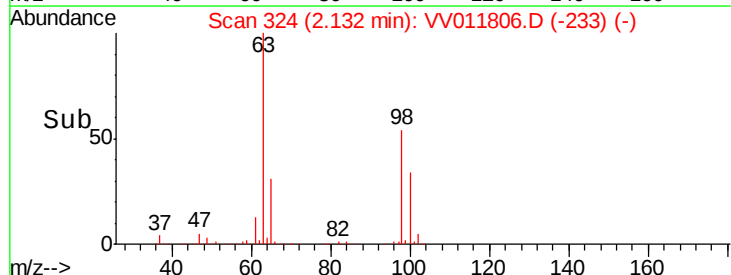
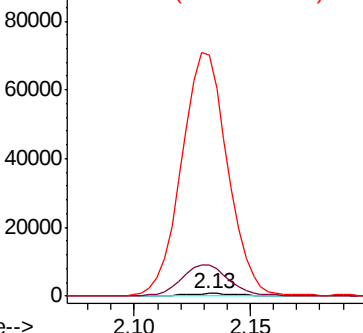
63 10068.5 96.5 179.1#

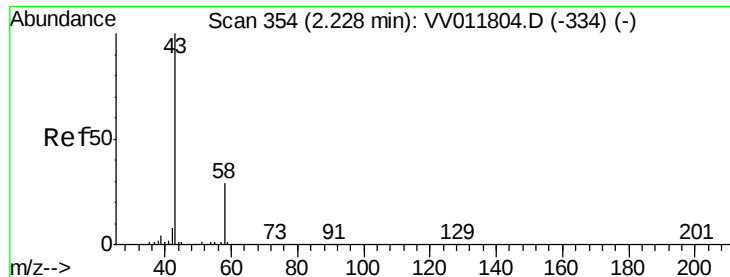


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 11.756 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

Instrument :

MSVOA_V

ClientSampled :

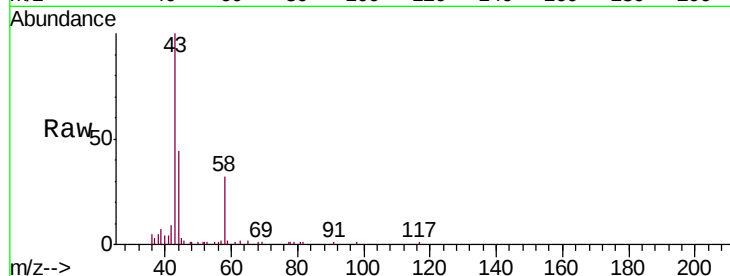
GAM80

Tgt Ion: 43 Resp: 23115

Ion Ratio Lower Upper

43 100

58 30.4 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

12000

10000

8000

6000

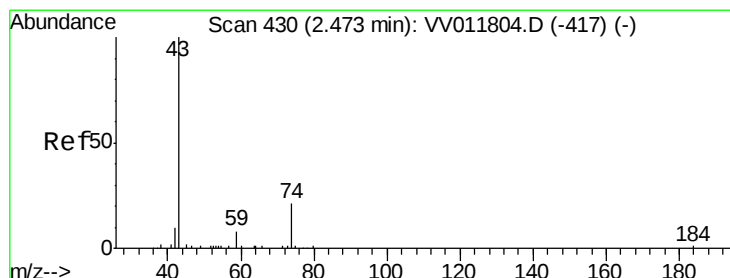
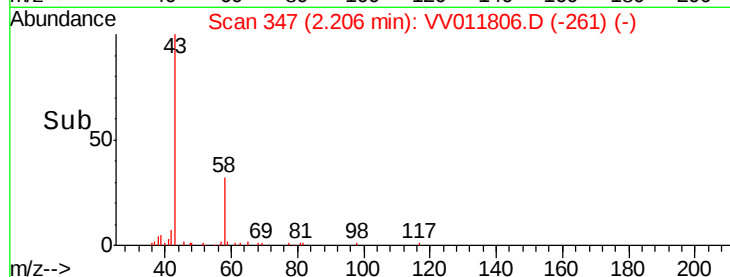
4000

2000

0

2.15 2.20 2.25 2.30

Time-->



#15

Methyl Acetate

Concen: 3.939 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.27 min

Lab File: VV011806.D

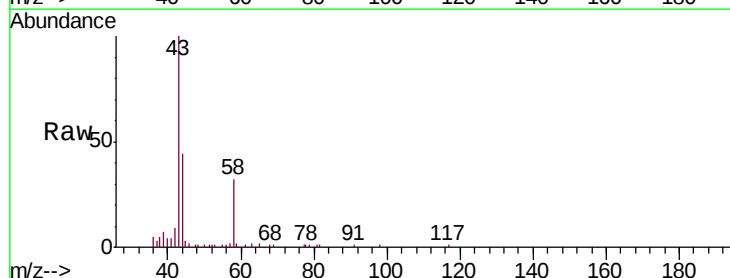
Acq: 02 Jul 2019 16:25

Tgt Ion: 43 Resp: 21527

Ion Ratio Lower Upper

43 100

74 0.1 20.2 30.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

12000

10000

8000

6000

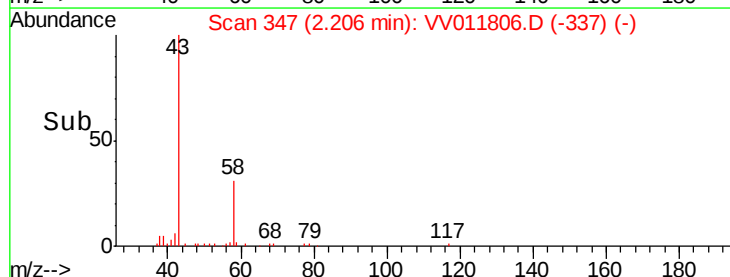
4000

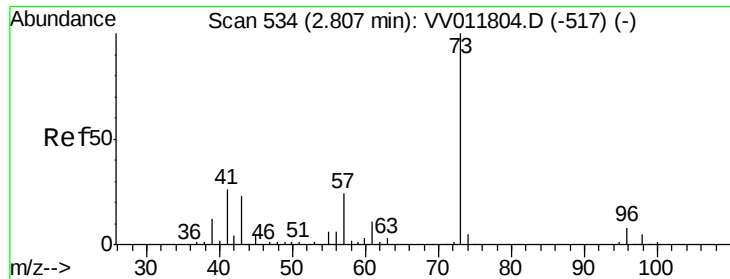
2000

0

2.15 2.20 2.25

Time-->





#17

Methyl tert-butyl Ether

Concen: 0.158 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

GAM80

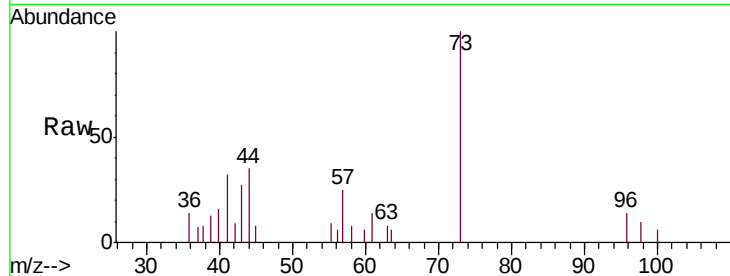
Tgt Ion: 73 Resp: 4303

Ion Ratio Lower Upper

73 100

43 28.4 17.6 26.4#

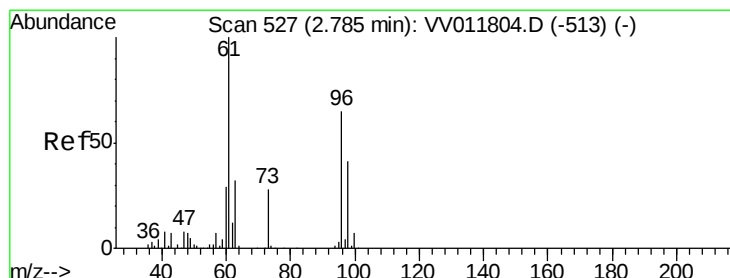
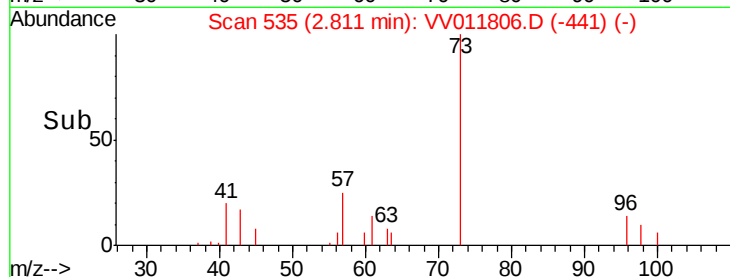
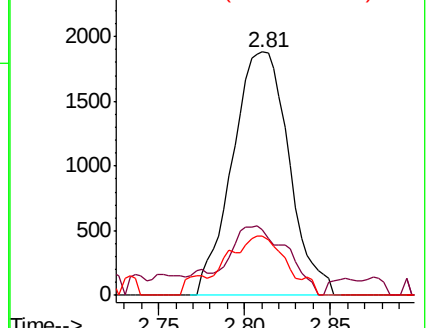
57 25.0 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VV011804.D (-517) (-)

Ion 43.05 (42.75 to 43.75): VV011804.D (-517) (-)

Ion 57.10 (56.80 to 57.80): VV011804.D (-517) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.143 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

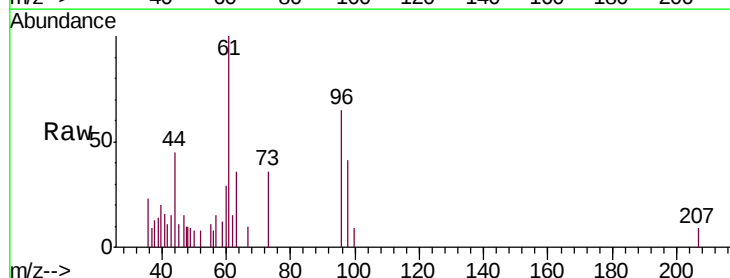
Tgt Ion: 96 Resp: 1694

Ion Ratio Lower Upper

96 100

61 154.3 102.3 189.9

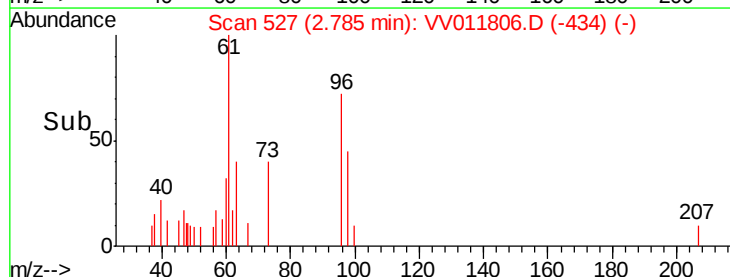
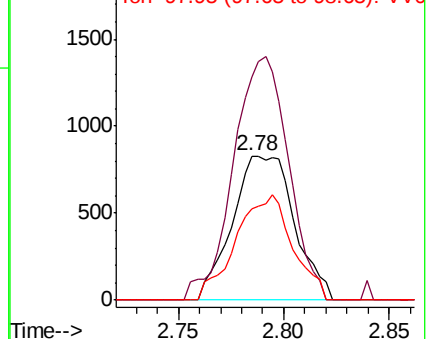
98 63.4 44.2 82.2

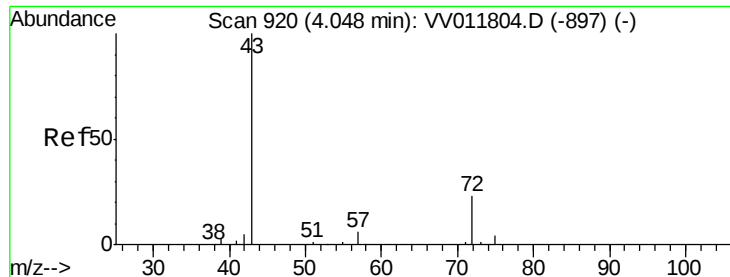


Abundance Ion 96.00 (95.70 to 96.70): VV011804.D (-513) (-)

Ion 61.05 (60.75 to 61.75): VV011804.D (-513) (-)

Ion 97.95 (97.65 to 98.65): VV011804.D (-513) (-)





#21

2-Butanone

Concen: 4.998 ug/L

RT: 4.04 min Scan# 918

Delta R.T. -0.01 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

Instrument :

MSVOA_V

ClientSampled :

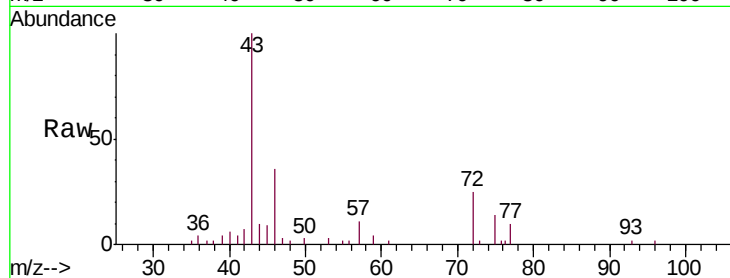
GAM80

Tgt Ion: 43 Resp: 16053

Ion Ratio Lower Upper

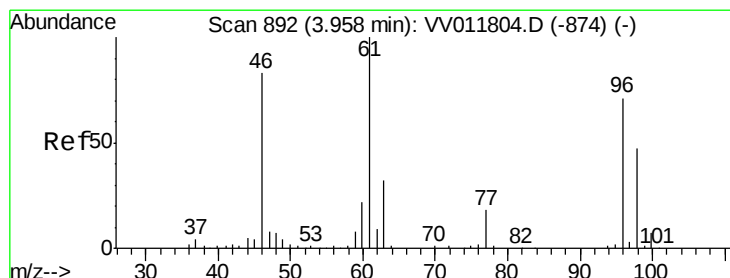
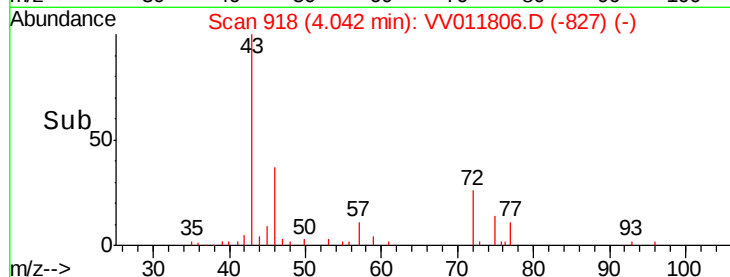
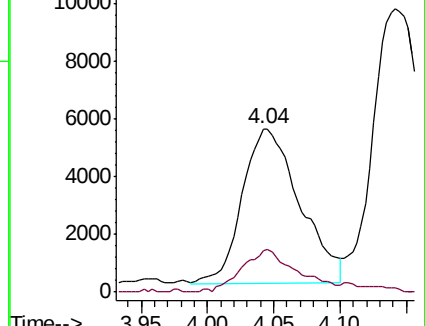
43 100

72 26.6 12.1 36.3



Abundance Ion 43.05 (42.75 to 43.75): VV011804.D (-897) (-)

Ion 72.10 (71.80 to 72.80): VV011804.D (-897) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.468 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

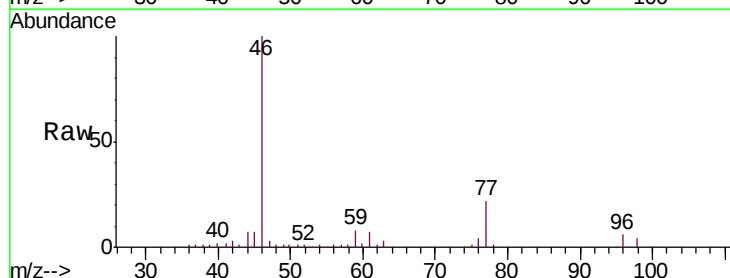
Tgt Ion: 96 Resp: 5906

Ion Ratio Lower Upper

96 100

61 121.6 97.1 180.3

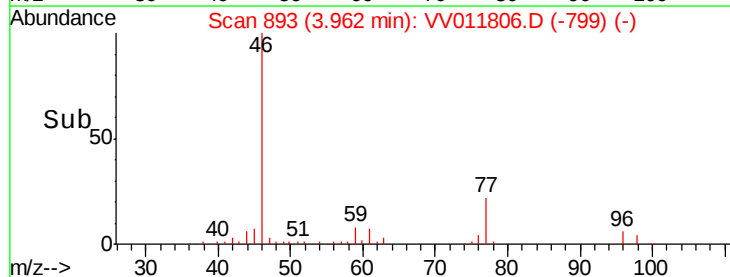
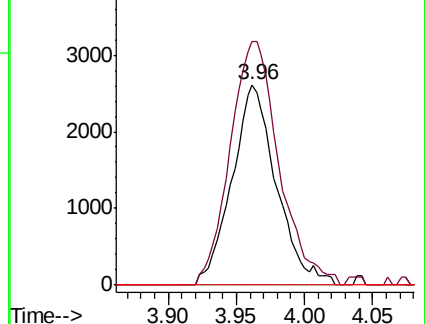
68 0.0 0.0 0.0

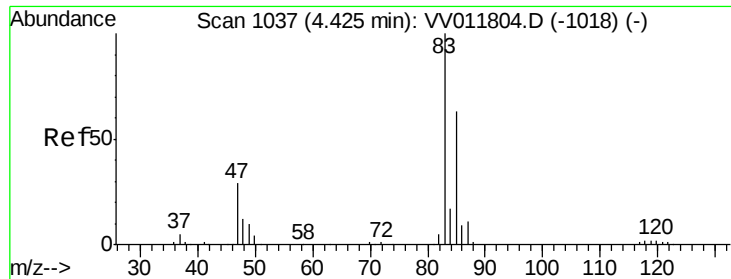


Abundance Ion 96.00 (95.70 to 96.70): VV011804.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VV011804.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VV011804.D (-874) (-)

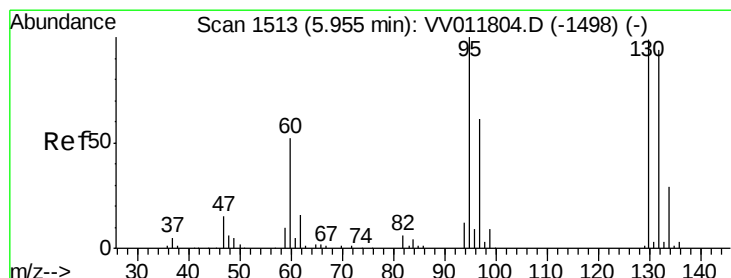
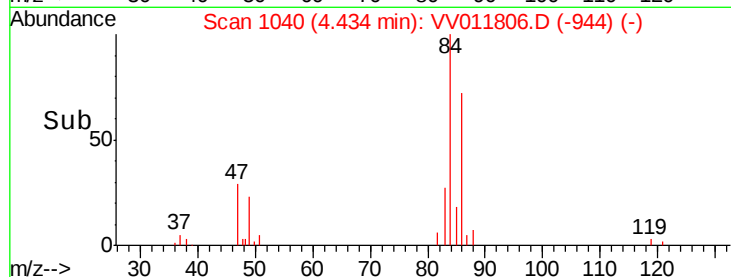
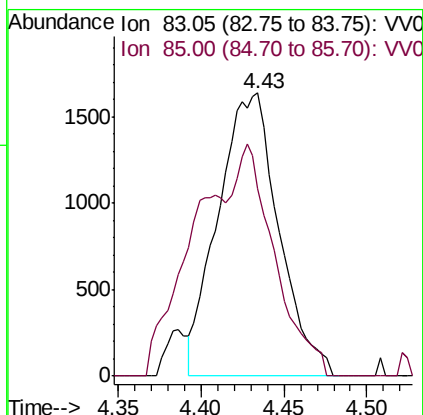
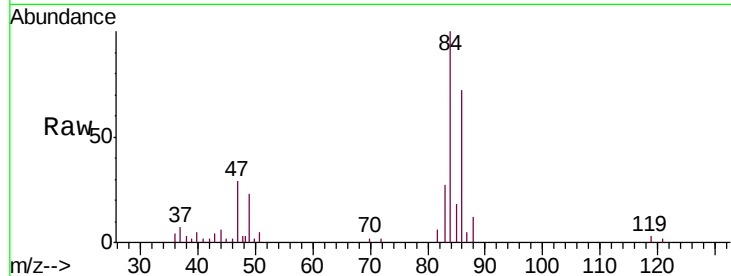




#25
Chloroform
Concen: 0.166 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VV011806.D
Acq: 02 Jul 2019 16:25

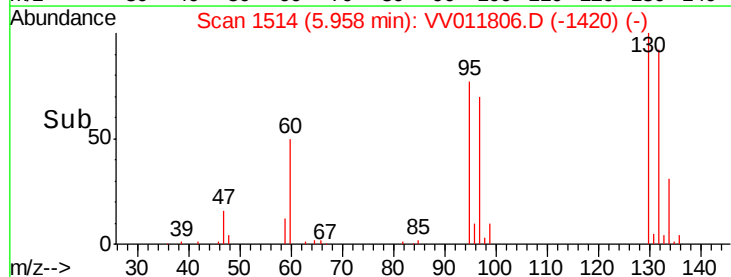
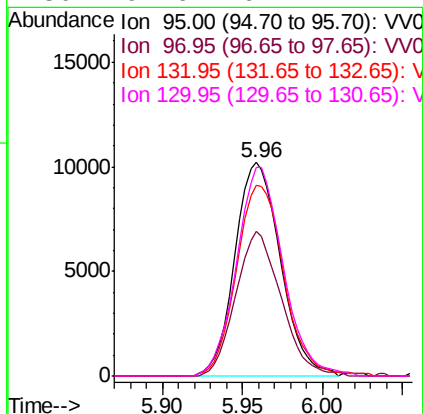
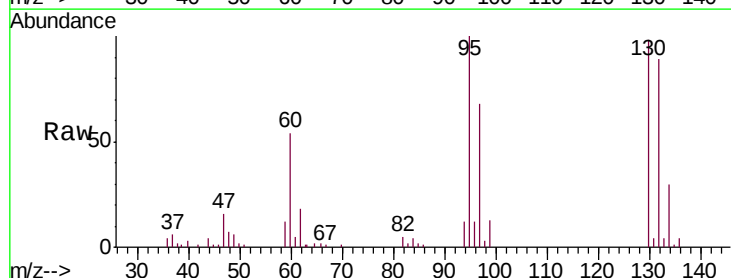
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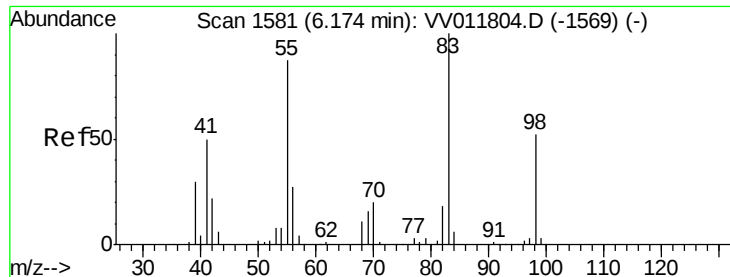
Tgt Ion: 83 Resp: 4169
Ion Ratio Lower Upper
83 100
85 66.0 45.9 85.3



#34
Trichloroethene
Concen: 1.548 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV011806.D
Acq: 02 Jul 2019 16:25

Tgt Ion: 95 Resp: 19869
Ion Ratio Lower Upper
95 100
97 67.8 43.7 81.1
132 89.3 63.7 118.3
130 97.6 67.1 124.7

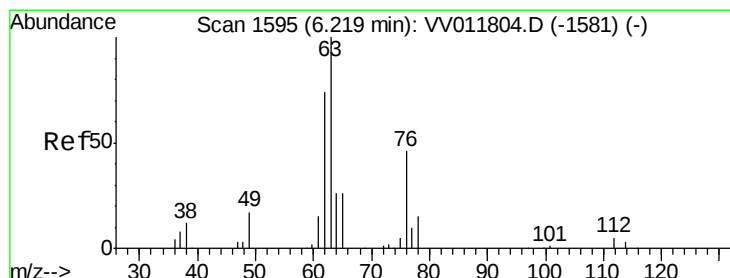
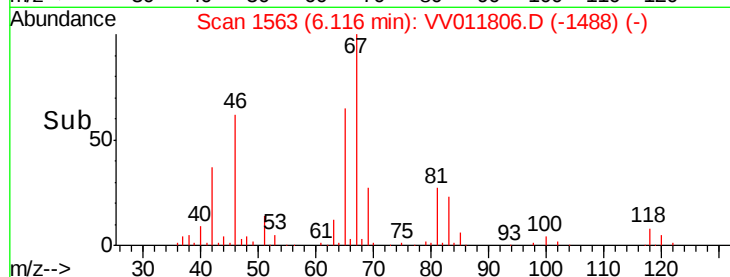
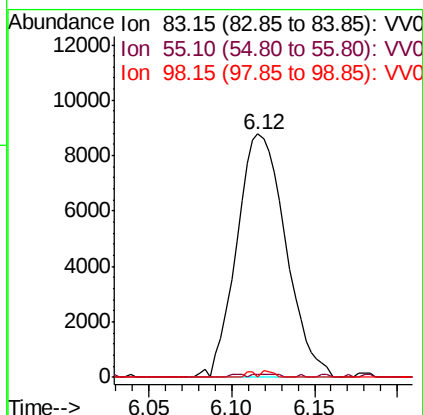
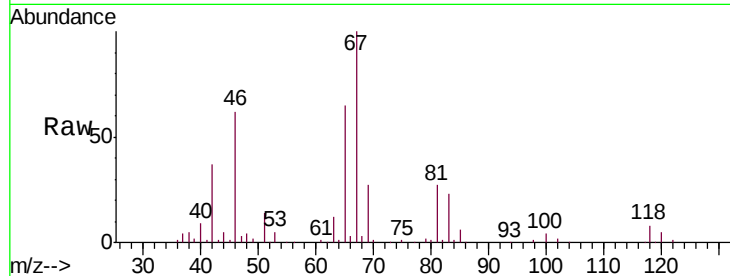




#35
Methylcyclohexane
Concen: 0.856 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011806.D
Acq: 02 Jul 2019 16:25

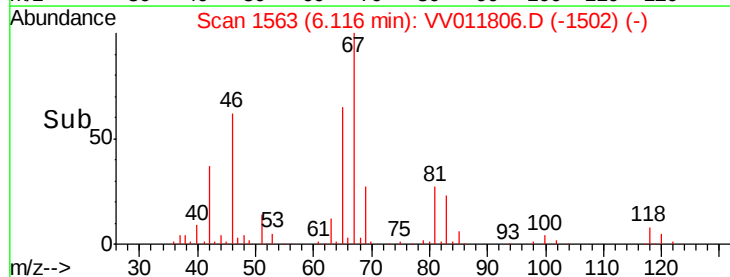
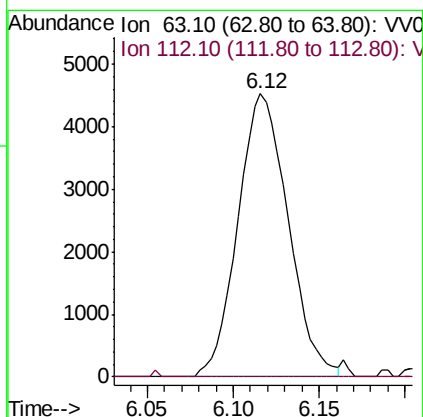
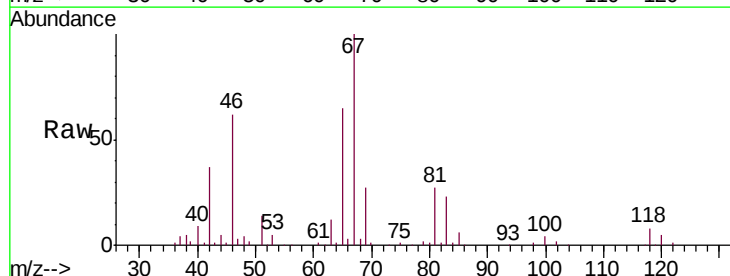
Instrument :
MSVOA_V
ClientSampleId :
GAM80

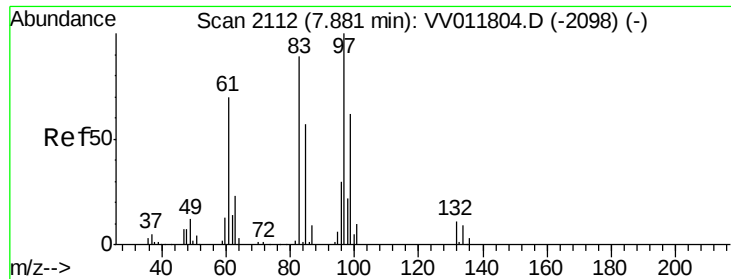
Tgt Ion: 83 Resp: 17982
Ion Ratio Lower Upper
83 100
55 0.7 67.8 101.6#
98 0.7 39.8 59.8#



#37
1,2-Dichloropropane
Concen: 0.725 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011806.D
Acq: 02 Jul 2019 16:25

Tgt Ion: 63 Resp: 9158
Ion Ratio Lower Upper
63 100
112 0.2 3.2 4.8#

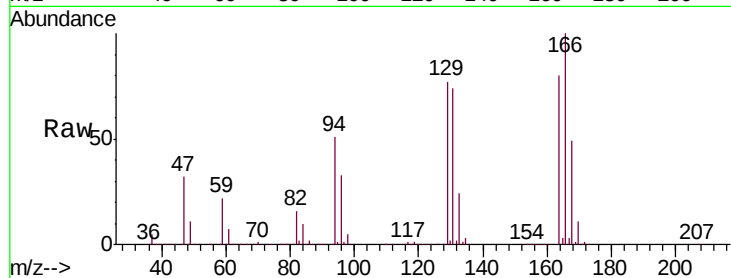




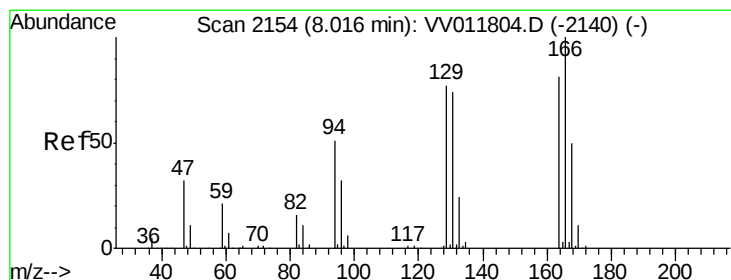
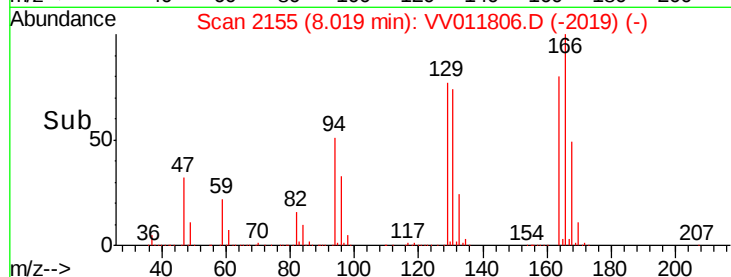
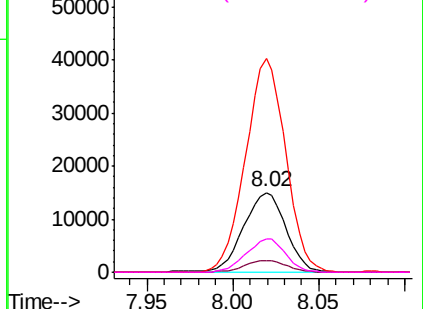
#45
 1,1,2-Trichloroethane
 Concen: 3.168 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.14 min
 Lab File: VV011806.D
 Acq: 02 Jul 2019 16:25

Instrument :
 MSVOA_V
 ClientSampleId :
 GAM80

Tgt Ion: 97 Resp: 25684
 Ion Ratio Lower Upper
 97 100
 99 14.8 44.9 83.5#
 83 267.2 59.6 110.8#
 85 42.2 40.1 74.5

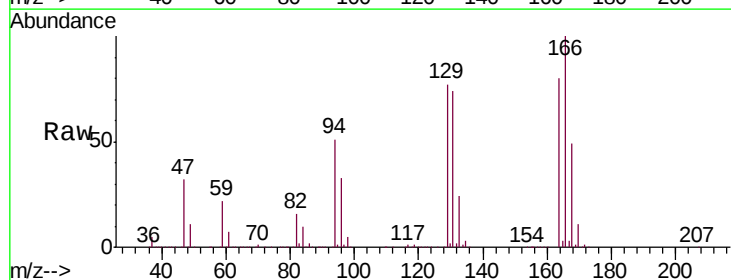


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

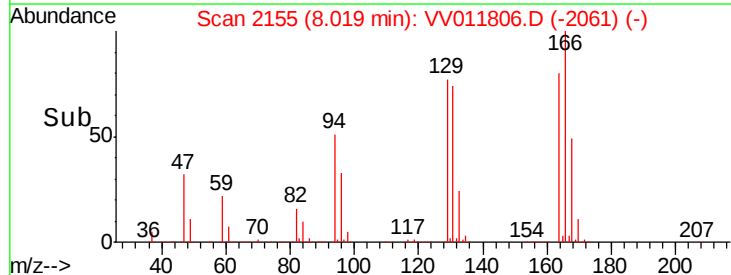
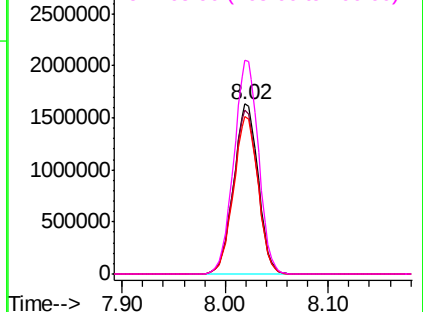


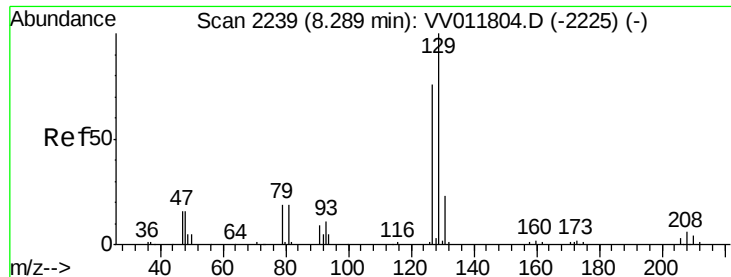
#47
 Tetrachloroethene
 Concen: 268.382 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011806.D
 Acq: 02 Jul 2019 16:25

Tgt Ion: 164 Resp: 2711491
 Ion Ratio Lower Upper
 164 100
 129 96.6 65.7 121.9
 131 92.6 63.2 117.4
 166 125.5 85.8 159.3



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





#49

Dibromochloromethane

Concen: 293.519 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

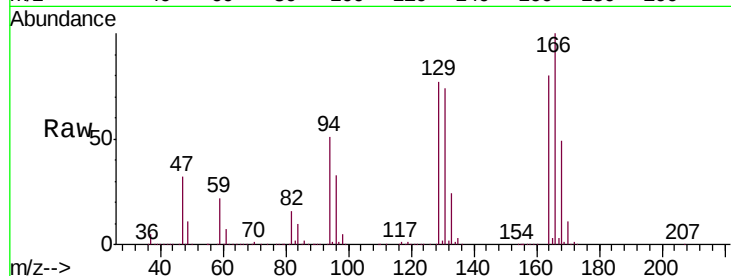
GAM80

Tgt Ion:129 Resp: 2526133

Ion Ratio Lower Upper

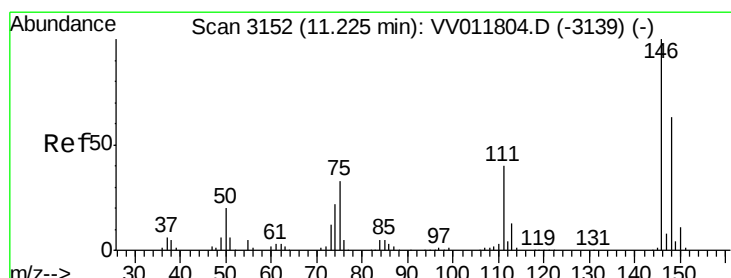
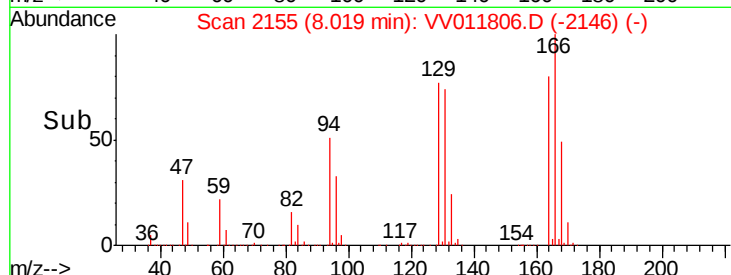
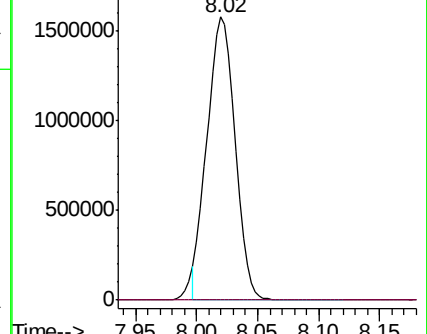
129 100

127 0.0 53.9 100.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#62

1,3-Dichlorobenzene

Concen: 0.077 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

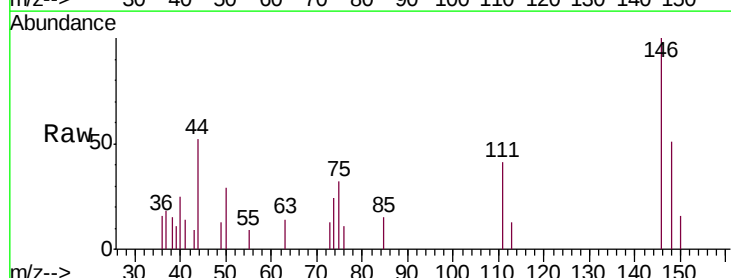
Tgt Ion:146 Resp: 1737

Ion Ratio Lower Upper

146 100

111 40.8 28.1 52.1

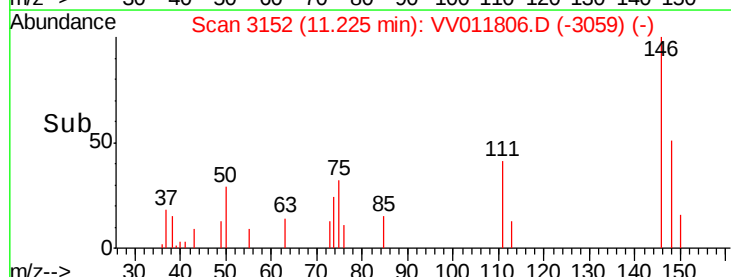
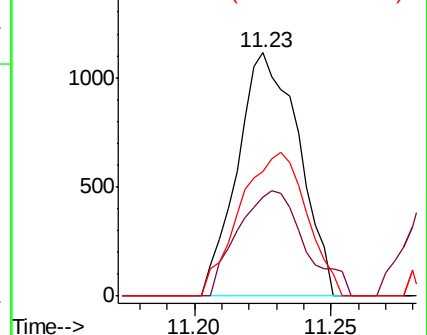
148 51.3 44.7 83.1

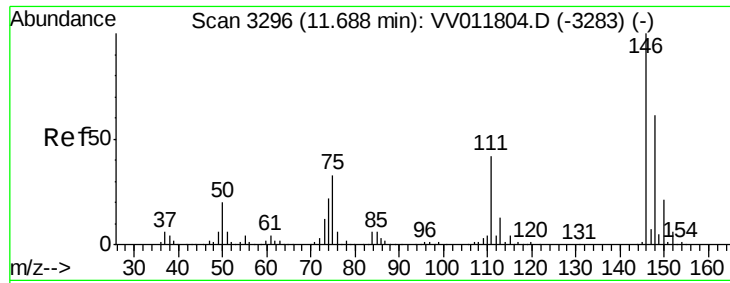


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.100 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

Instrument :

MSVOA_V

ClientSampled :

GAM80

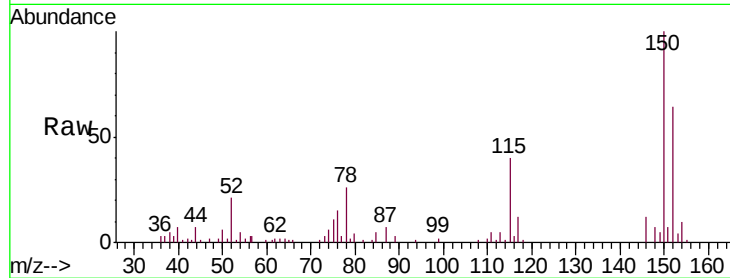
Tgt Ion:146 Resp: 2130

Ion Ratio Lower Upper

146 100

111 44.1 34.6 52.0

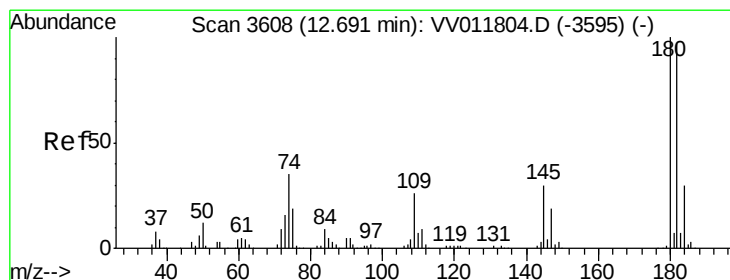
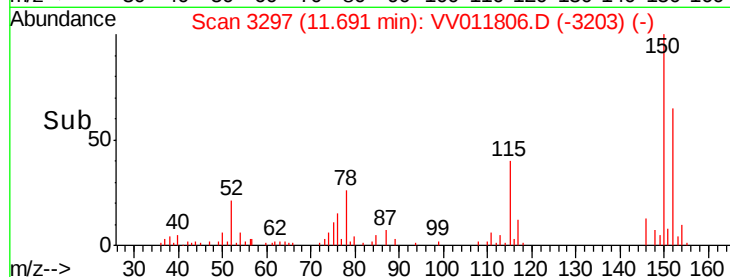
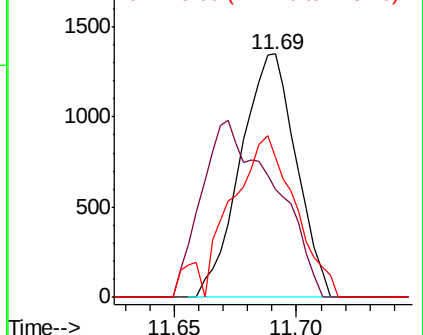
148 57.3 53.3 79.9



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



#67

1,3,5-Trichlorobenzene

Concen: 0.049 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.01 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

Tgt Ion:180 Resp: 850

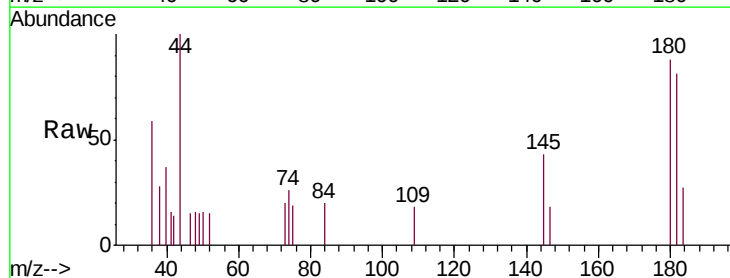
Ion Ratio Lower Upper

180 100

182 97.4 75.3 112.9

184 27.8 24.2 36.4

145 35.3 23.7 35.5

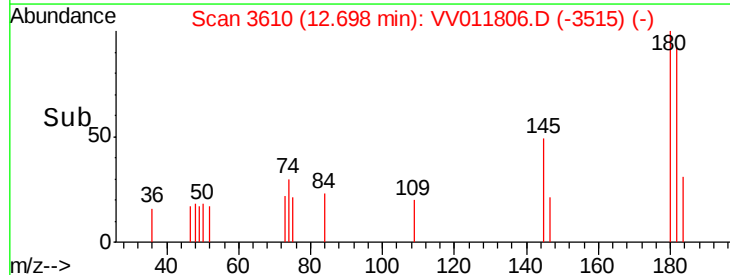
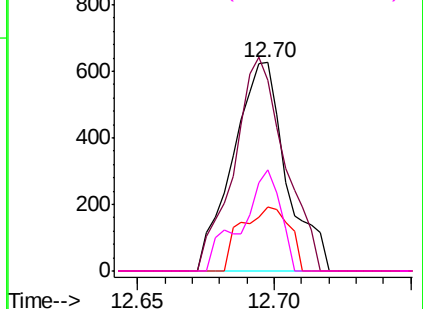


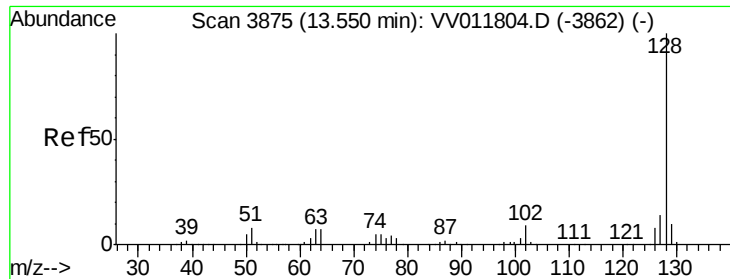
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 0.062 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

Instrument :

MSVOA_V

ClientSampleId :

GAM80

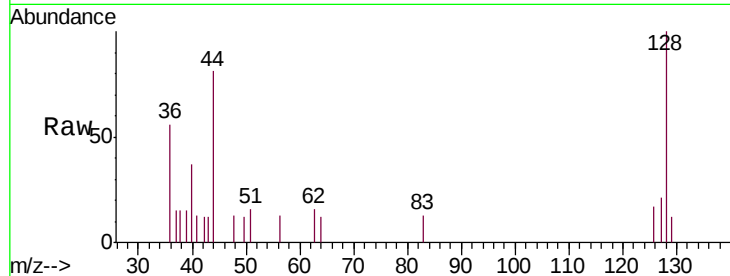
Tgt Ion:128 Resp: 1390

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

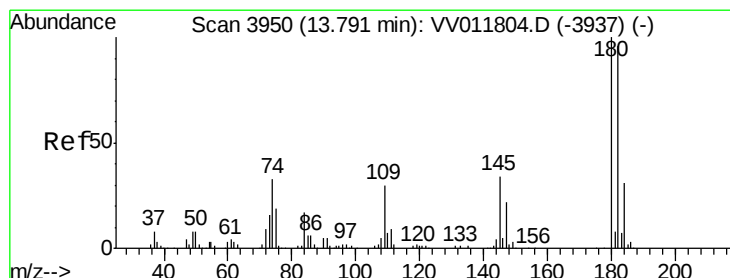
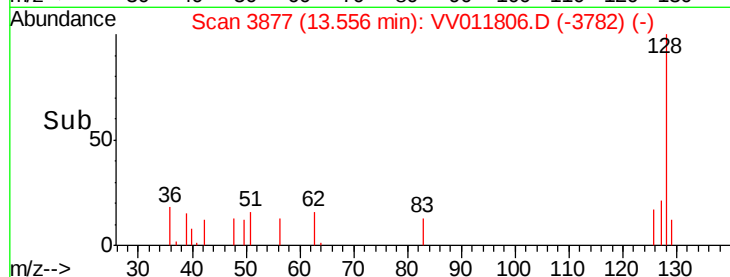
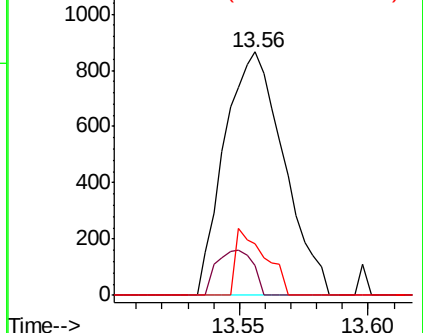
127 13.6 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.053 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VV011806.D

Acq: 02 Jul 2019 16:25

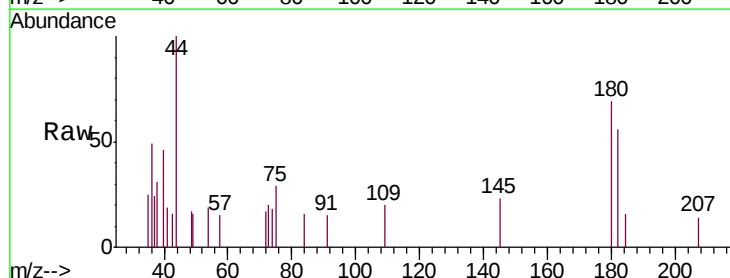
Tgt Ion:180 Resp: 698

Ion Ratio Lower Upper

180 100

182 81.8 74.7 112.1

145 31.2 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

