

Data File : VV012909.D
Acq On : 18 Sep 2019 23:16
Operator : SY/MD
Sample : K4649-06
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5169

Quant Time: Sep 19 05:17:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 05:14:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	359451	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	356436	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	133818	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	143253	7.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	140.80%#
7) Chloroethane-d5	1.58	69	130369	9.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	182.80%#
11) 1,1-Dichloroethene-d2	2.13	63	181961	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	4.00	46	87725	18.99	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	37.98%#
24) Chloroform-d	4.40	84	264416	6.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.40%
26) 1,2-Dichloroethane-d4	5.08	65	136150	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	5.10	84	521861	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
36) 1,2-Dichloropropane-d6	6.12	67	166452	6.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	132.60%
41) Toluene-d8	7.36	98	404337	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.66	79	50469	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.14	63	226863	58.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.86%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	114708	6.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	121.80%#
66) 1,2-Dichlorobenzene-d4	11.67	152	141013	5.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.40%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1957	0.110	ug/L #	15
12) 1,1-Dichloroethene	2.13	96	2198	0.133	ug/L #	1
17) Methyl tert-butyl Ether	2.81	73	6190	0.119	ug/L #	91
18) trans-1,2-Dichloroethene	2.79	96	3853	0.162	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	11303	0.446	ug/L	90
25) Chloroform	4.43	83	8885	0.167	ug/L	93
33) Benzene	5.15	78	9464	0.098	ug/L	100
34) Trichloroethene	5.96	95	33689	1.220	ug/L	97
35) Methylcyclohexane	6.12	83	40757	0.942	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	17798	0.795	ug/L #	87
44) trans-1,3-Dichloropropene	7.66	75	2581	0.091	ug/L #	78
45) 1,1,2-Trichloroethane	8.02	97	44099	2.581	ug/L #	1
47) Tetrachloroethene	8.02	164	5650645	234.182	ug/L	97
48) 2-Hexanone	8.15	43	40173	4.499	ug/L #	85
49) Dibromochloromethane	8.02	129	5049921	241.100	ug/L #	10
60) Isopropylbenzene	9.98	105	2622	0.031	ug/L	91
61) 1,2,3-Trichloropropane	11.29	75	16420	1.683	ug/L #	61

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091919\
Quantitation Report (Not Reviewed)

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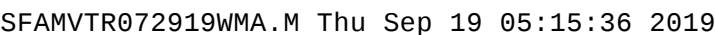
Instrument :
MSVOA_V
ClientSampleId :
A5169

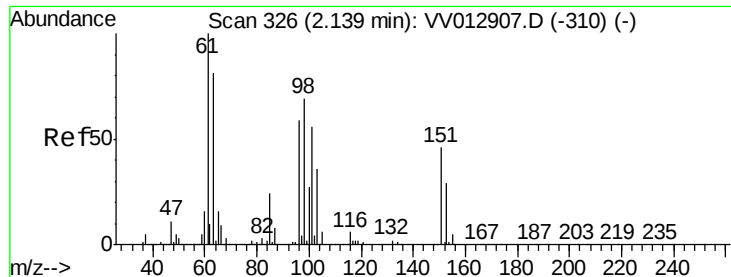
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 05:14:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.58	105	769	0.011	ug/L #	27
63) 1,2,4-Trimethylbenzene	10.96	105	1124	0.016	ug/L #	81

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

Quant Time: Sep 19 05:17:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 05:14:44 2019
Response via : Initial Calibration





#10

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

Concen: 0.110 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

Instrument :

MSVOA_V

ClientSampleId :

A5169

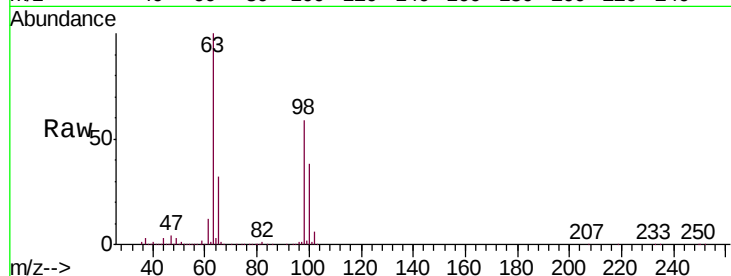
Tgt Ion:101 Resp: 1957

Ion Ratio Lower Upper

101 100

85 3.2 37.8 56.8#

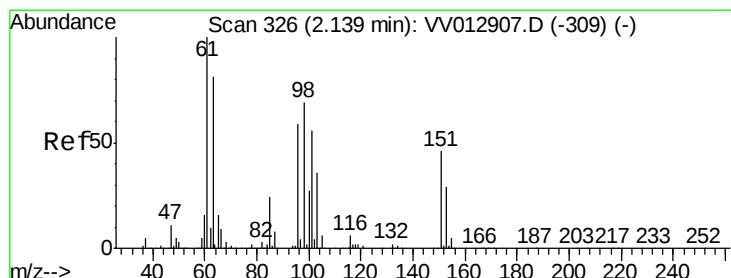
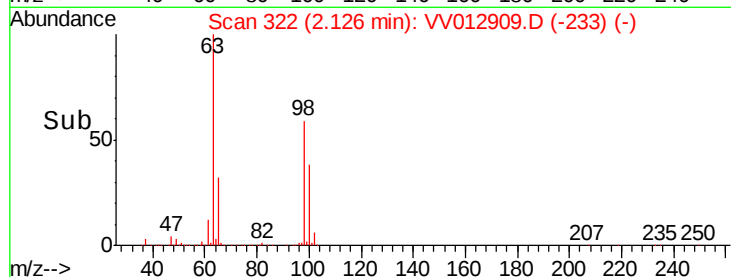
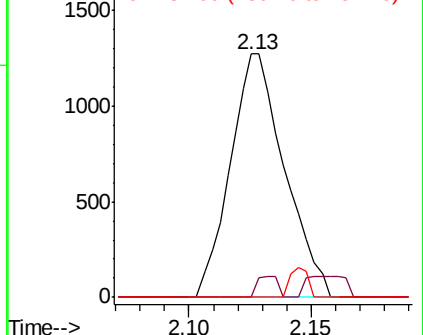
151 0.0 71.4 107.2#



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# 322

Delta R.T. -0.01 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

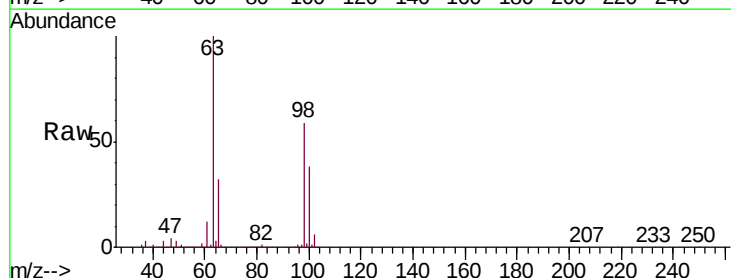
Tgt Ion: 96 Resp: 2198

Ion Ratio Lower Upper

96 100

61 1239.7 127.8 237.4#

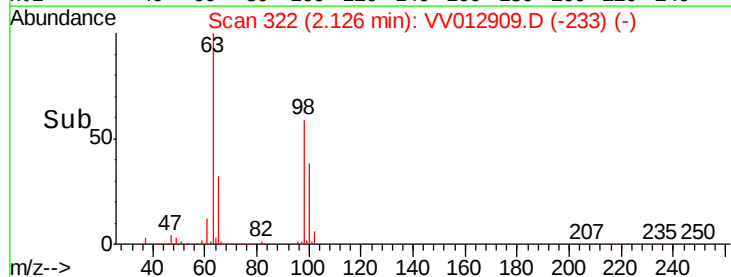
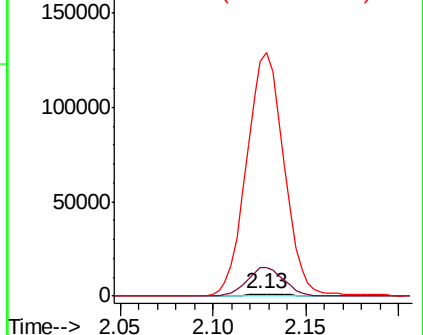
63 10240.5 92.7 172.3#

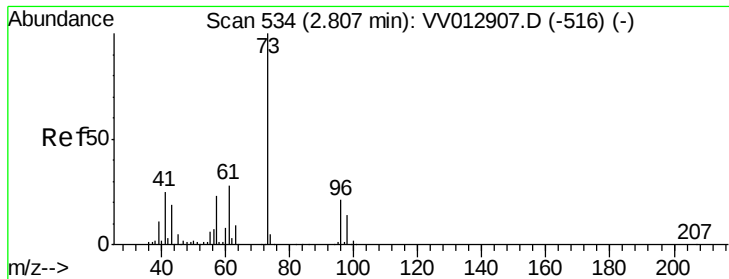


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

Methyl tert-butyl Ether

Concen: 0.119 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

Instrument :

MSVOA_V

ClientSampleId :

A5169

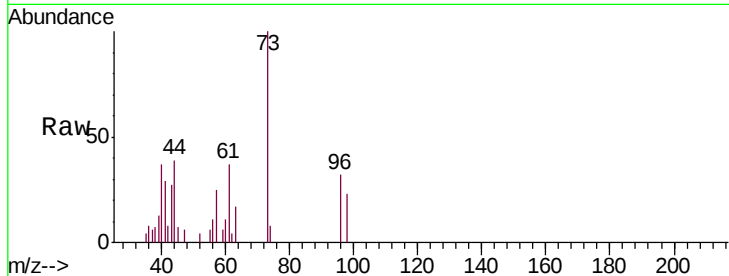
Tgt Ion: 73 Resp: 6190

Ion Ratio Lower Upper

73 100

43 15.8 17.6 26.4#

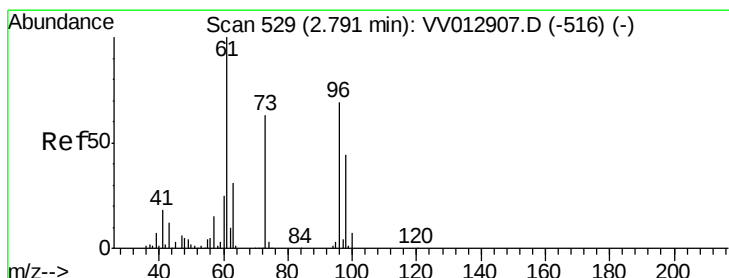
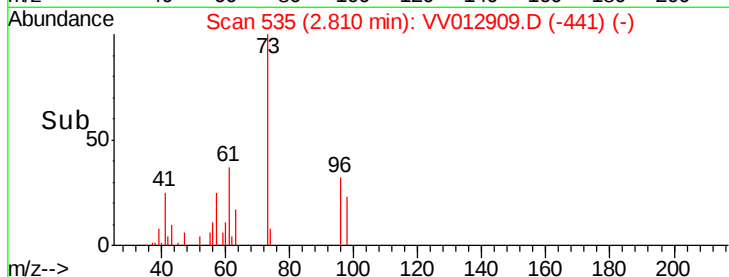
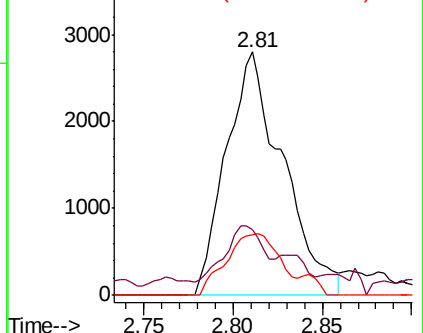
57 24.0 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV012909.D (-516) (-)

Ion 43.05 (42.75 to 43.75): VV012909.D (-516) (-)

Ion 57.10 (56.80 to 57.80): VV012909.D (-516) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.162 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

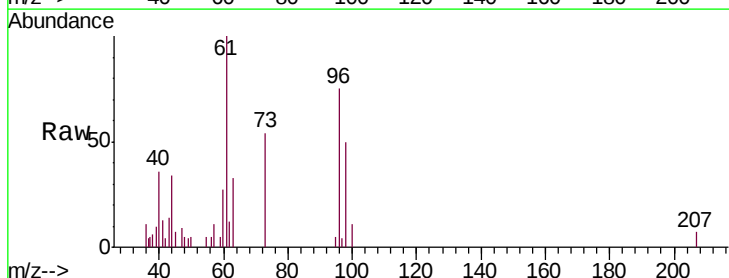
Tgt Ion: 96 Resp: 3853

Ion Ratio Lower Upper

96 100

61 133.1 97.2 180.6

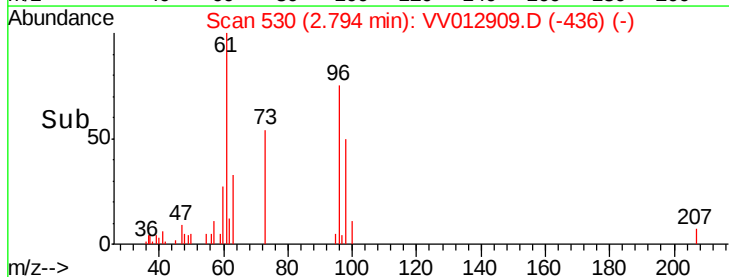
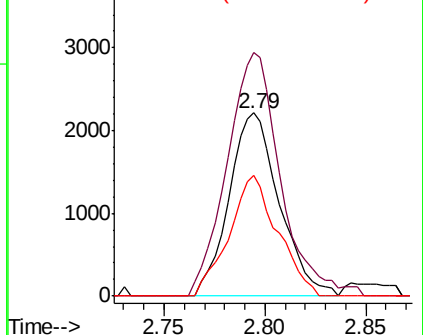
98 66.1 45.0 83.6

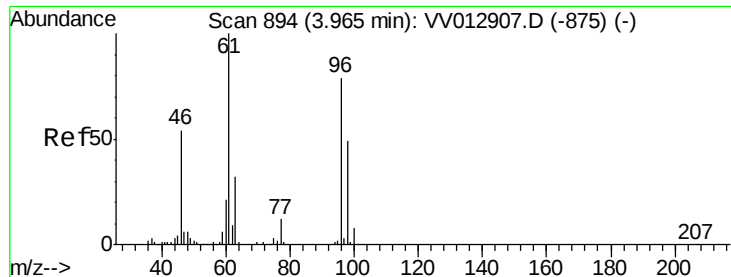


Abundance Ion 96.00 (95.70 to 96.70): VV012909.D (-436) (-)

Ion 61.05 (60.75 to 61.75): VV012909.D (-436) (-)

Ion 97.95 (97.65 to 98.65): VV012909.D (-436) (-)



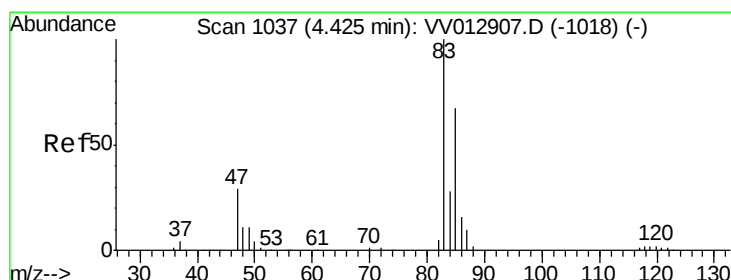
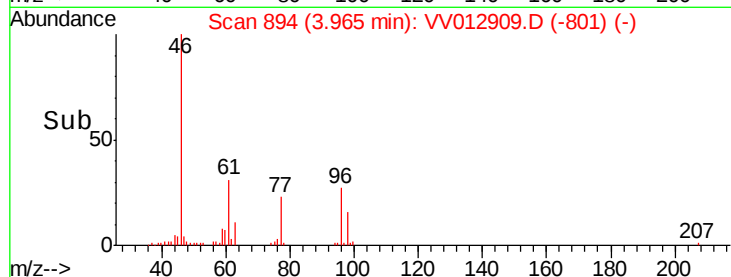
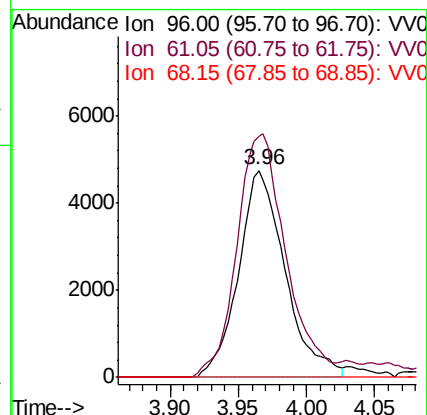
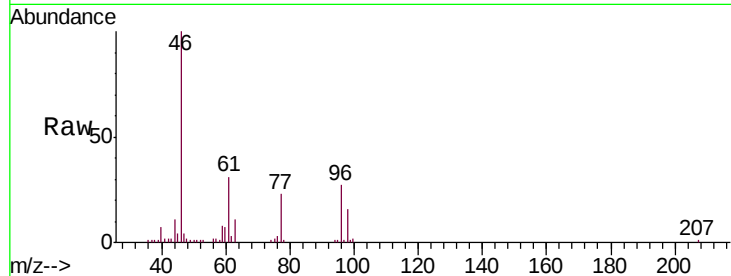


#22

cis-1,2-Dichloroethene
 Concen: 0.446 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV012909.D
 Acq: 18 Sep 2019 23:16

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169

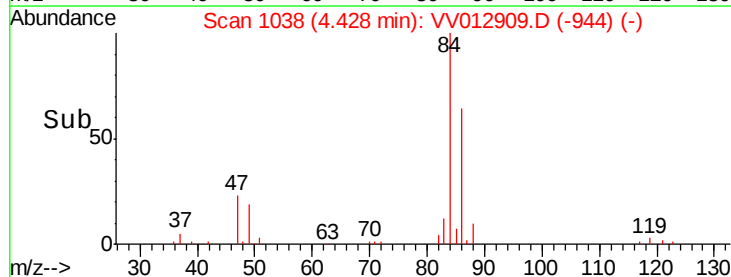
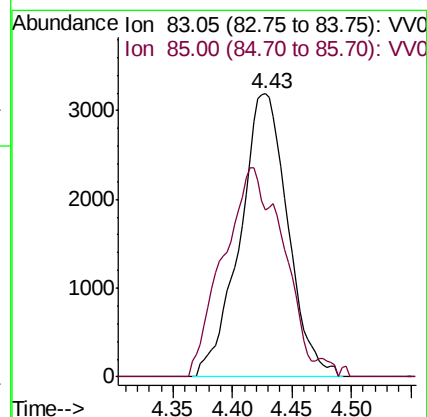
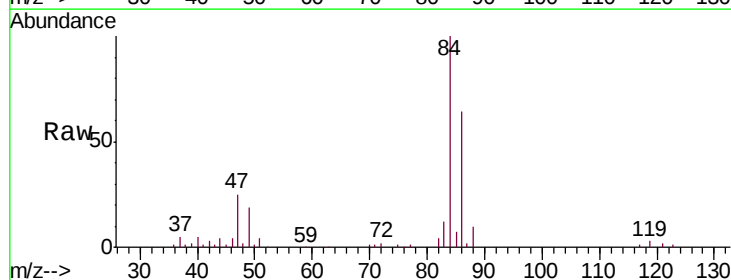
Tgt Ion: 96 Resp: 11303
 Ion Ratio Lower Upper
 96 100
 61 116.7 90.0 167.2
 68 0.0 0.0 0.0

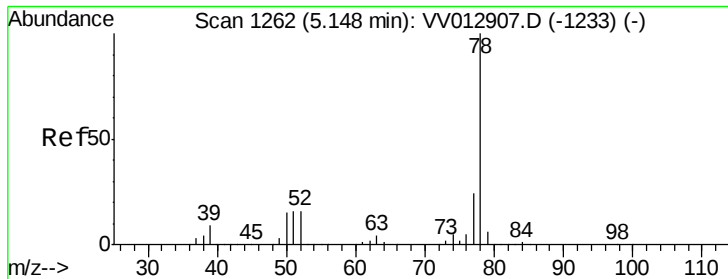


#25

Chloroform
 Concen: 0.167 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV012909.D
 Acq: 18 Sep 2019 23:16

Tgt Ion: 83 Resp: 8885
 Ion Ratio Lower Upper
 83 100
 85 59.0 45.2 84.0





#33

Benzene

Concen: 0.098 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

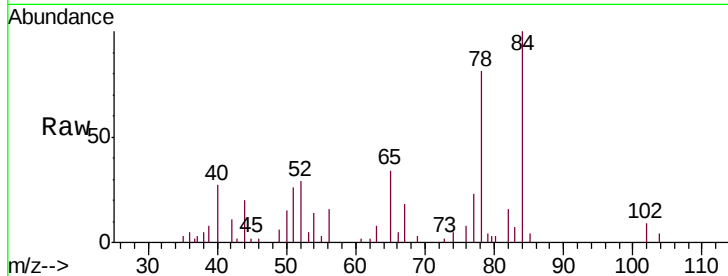
Instrument :

MSVOA_V

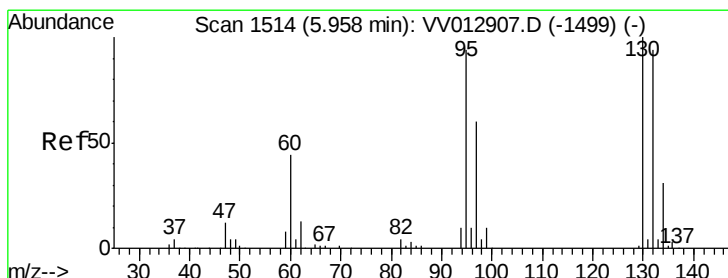
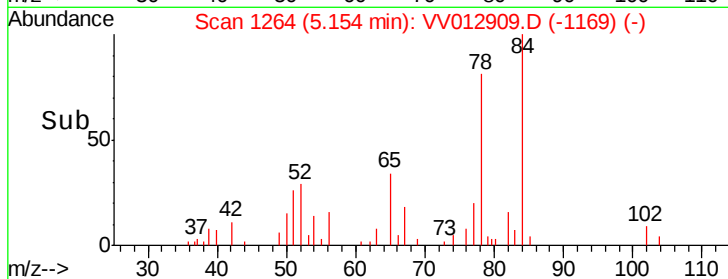
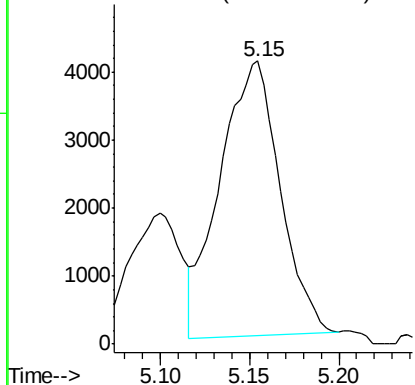
ClientSampleId :

A5169

Tgt Ion: 78 Resp: 9464



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 1.220 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

Tgt Ion: 95 Resp: 33689

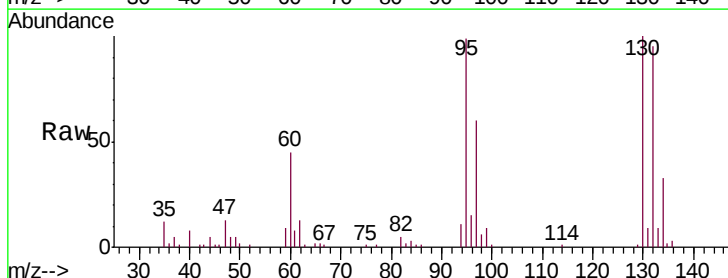
Ion Ratio Lower Upper

95 100

97 60.7 42.8 79.6

132 96.0 70.8 131.6

130 101.2 72.3 134.3

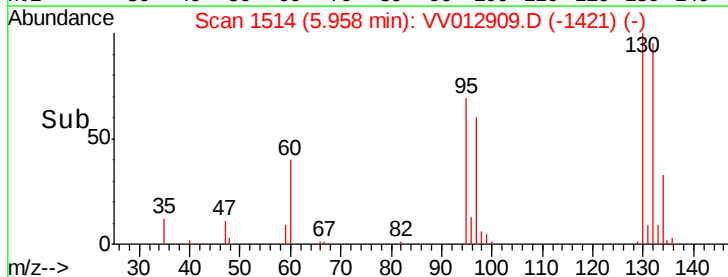
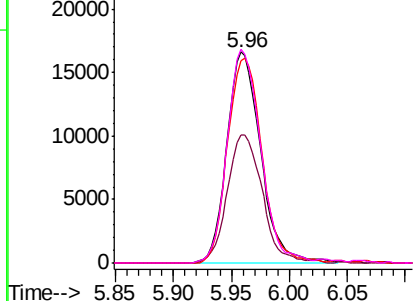


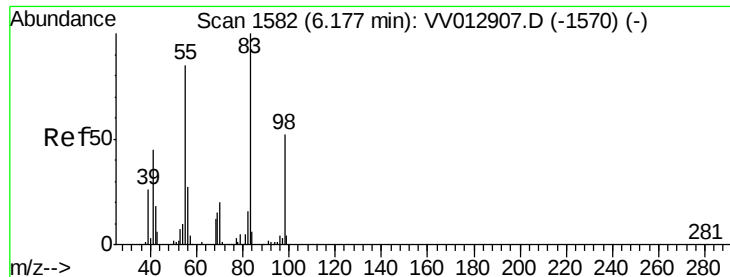
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

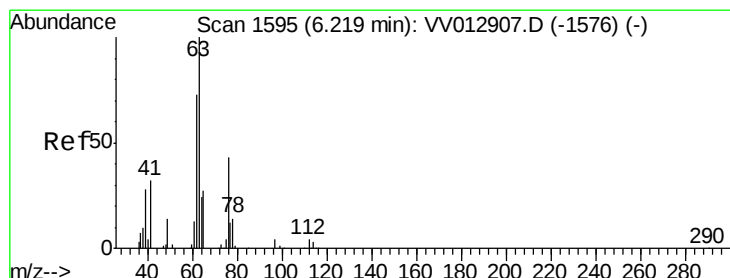
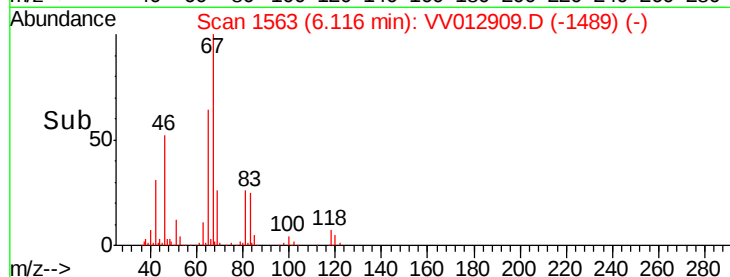
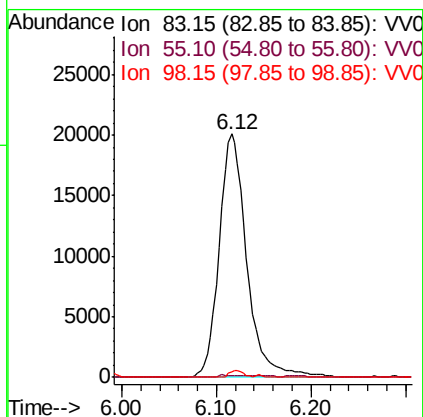
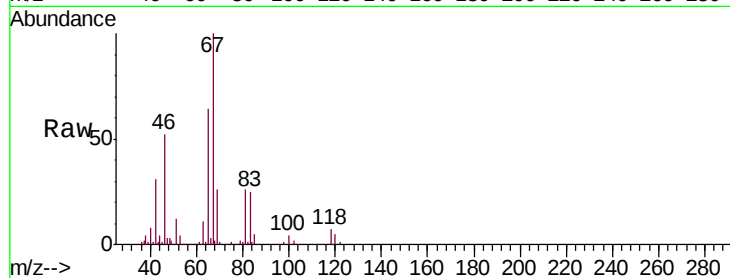




#35
Methylcyclohexane
Concen: 0.942 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012909.D
Acq: 18 Sep 2019 23:16

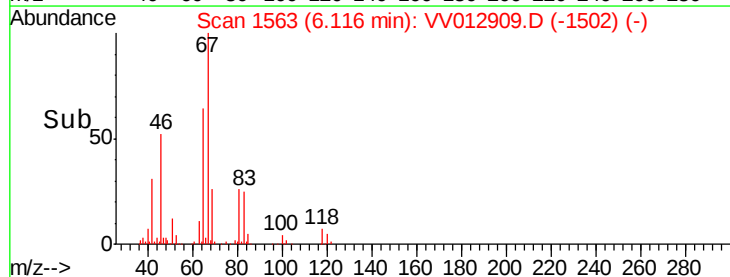
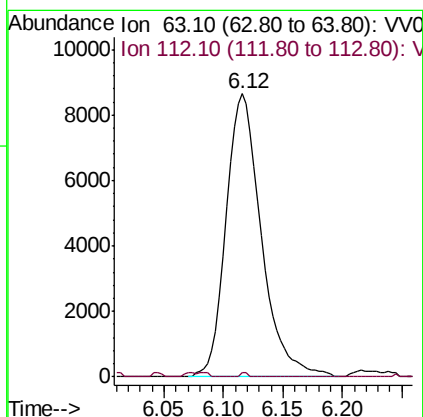
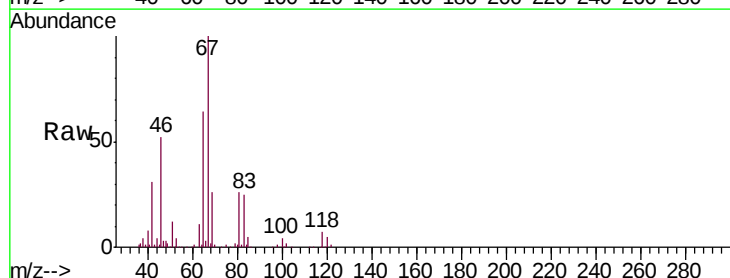
Instrument :
MSVOA_V
ClientSampled :
A5169

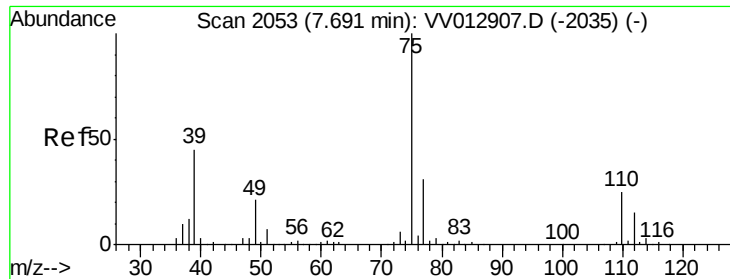
Tgt Ion: 83 Resp: 40757
Ion Ratio Lower Upper
83 100
55 0.4 60.1 90.1#
98 1.4 40.2 60.4#



#37
1,2-Dichloropropane
Concen: 0.795 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012909.D
Acq: 18 Sep 2019 23:16

Tgt Ion: 63 Resp: 17798
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.6#





#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

Instrument :

MSVOA_V

ClientSampleId :

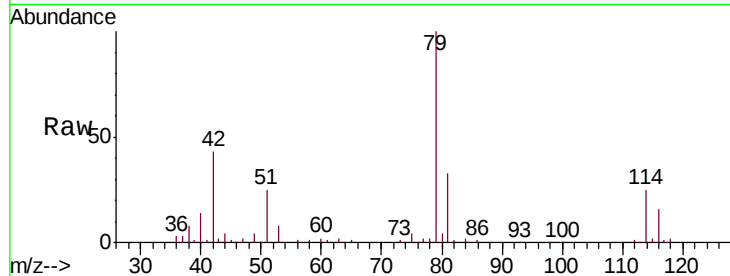
A5169

Tgt Ion: 75 Resp: 2581

Ion Ratio Lower Upper

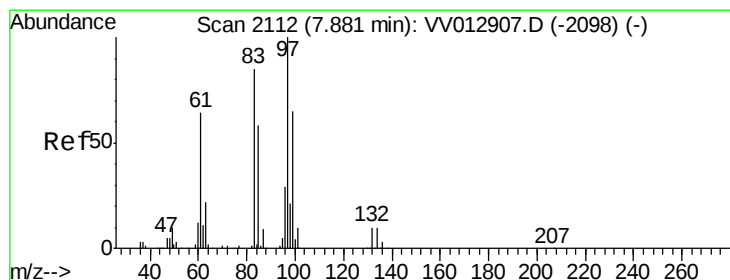
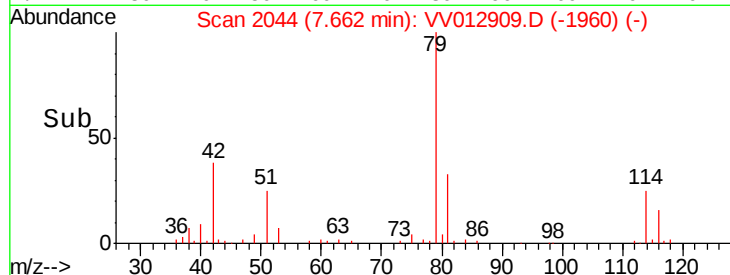
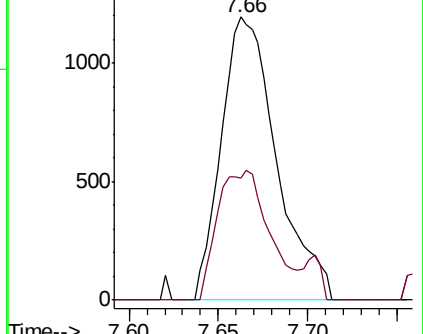
75 100

77 43.0 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VV012907.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV012909.D (-1960) (-)



#45

1,1,2-Trichloroethane

Concen: 2.581 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

Tgt Ion: 97 Resp: 44099

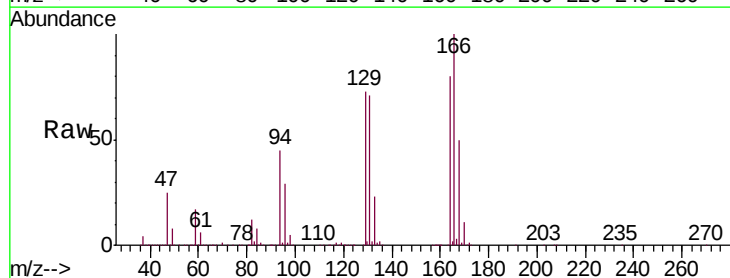
Ion Ratio Lower Upper

97 100

99 15.8 42.0 78.0#

83 297.2 57.6 107.0#

85 42.1 34.6 64.2

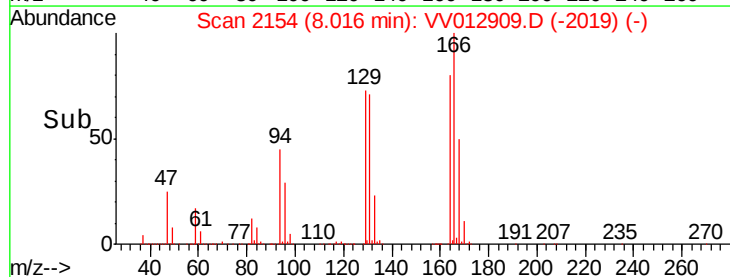
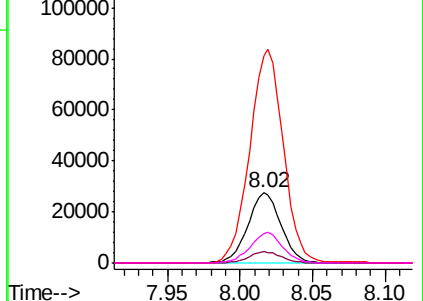


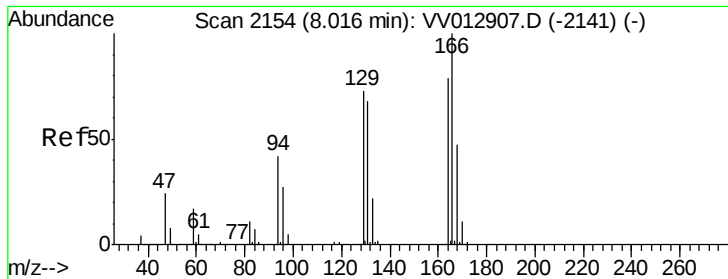
Abundance Ion 96.95 (96.65 to 97.65): VV012907.D (-2098) (-)

Ion 99.05 (98.75 to 99.75): VV012909.D (-1960) (-)

Ion 82.95 (82.65 to 83.65): VV012907.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV012909.D (-1960) (-)





#47

Tetrachloroethene

Concen: 234.182 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

Instrument :

MSVOA_V

ClientSampleId :

A5169

Tgt Ion:164 Resp: 5650645

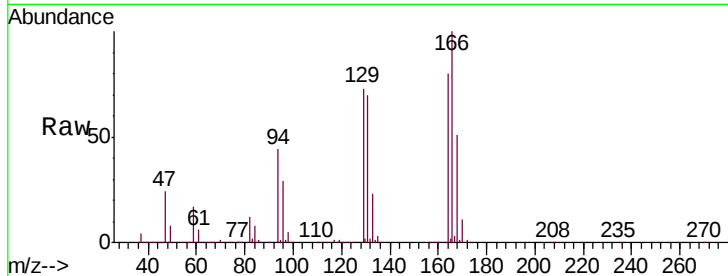
Ion Ratio Lower Upper

164 100

129 90.9 61.9 114.9

131 87.9 59.4 110.4

166 125.2 89.6 166.4

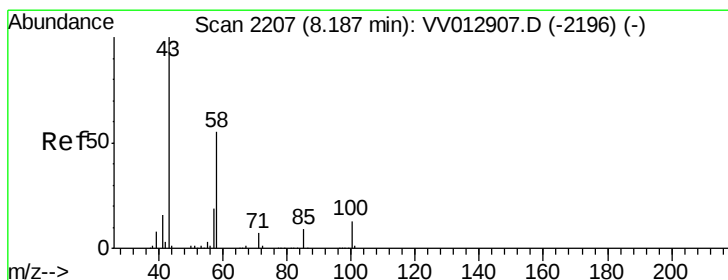
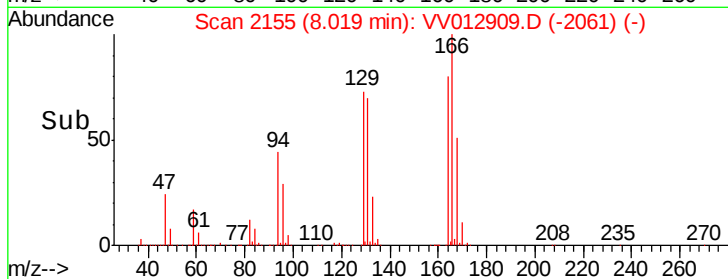
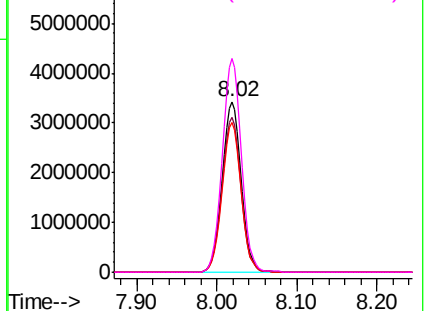


Abundance Ion 163.90 (163.60 to 164.60): V

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: 4.499 ug/L

RT: 8.15 min Scan# 2196

Delta R.T. -0.04 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

Tgt Ion: 43 Resp: 40173

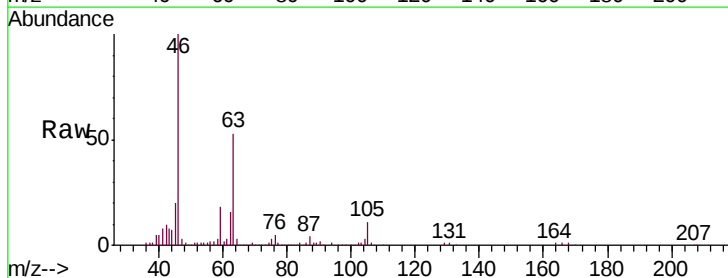
Ion Ratio Lower Upper

43 100

58 45.9 44.1 66.1

57 23.9 16.1 24.1

100 1.0 11.3 16.9#

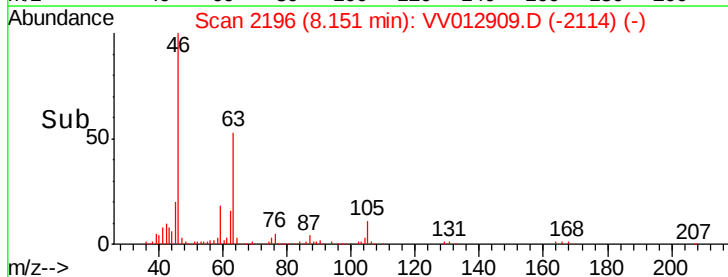
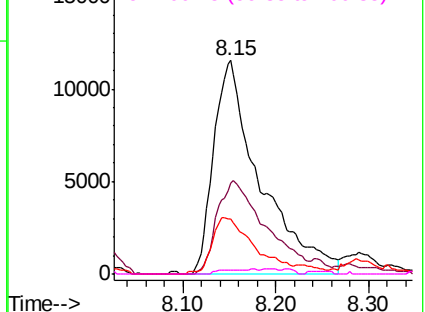


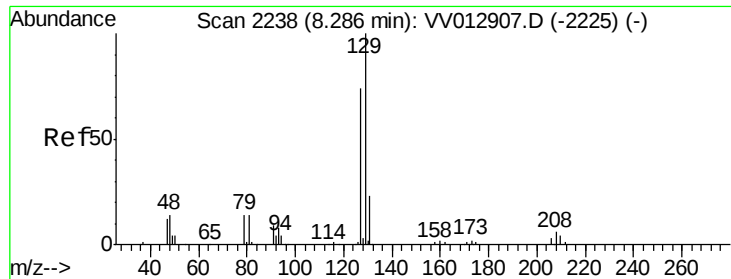
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 241.100 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

Instrument :

MSVOA_V

ClientSampleId :

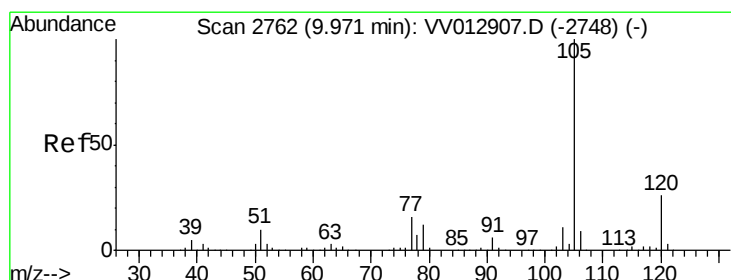
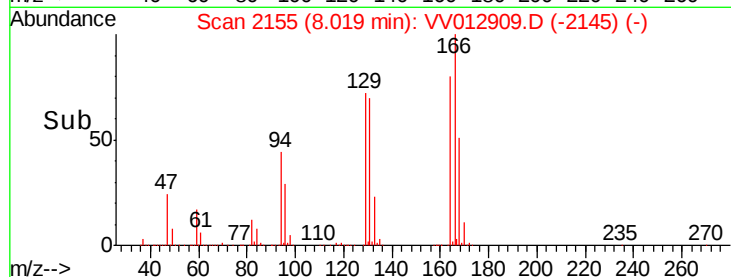
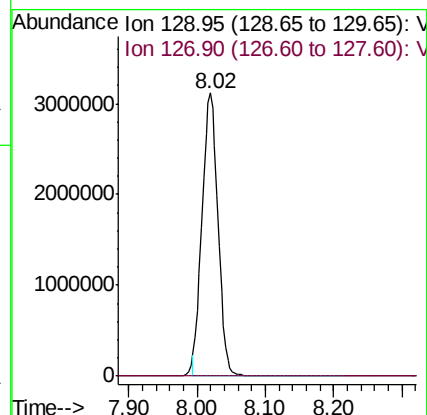
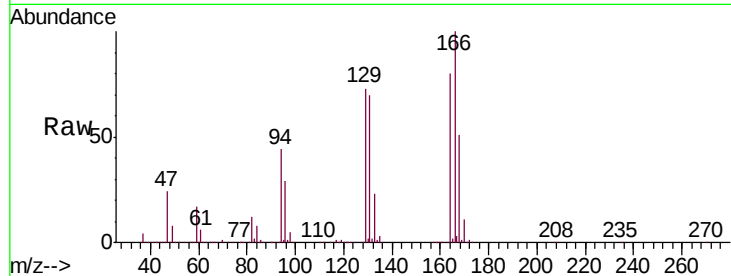
A5169

Tgt Ion:129 Resp: 5049921

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#60

Isopropylbenzene

Concen: 0.031 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.01 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

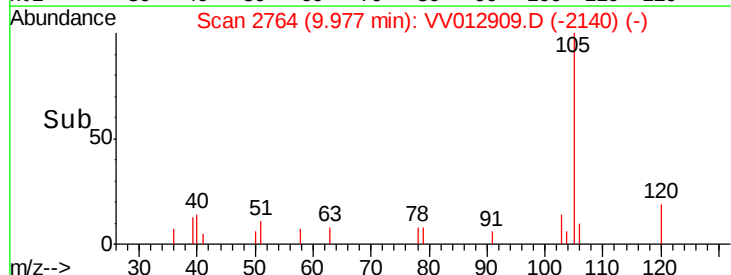
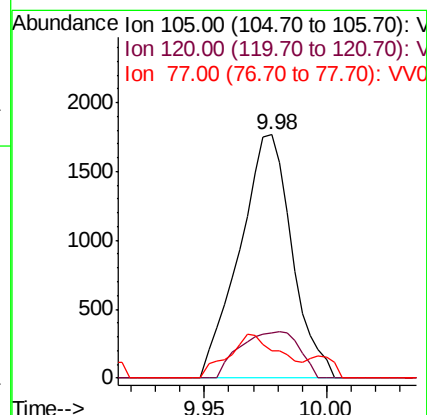
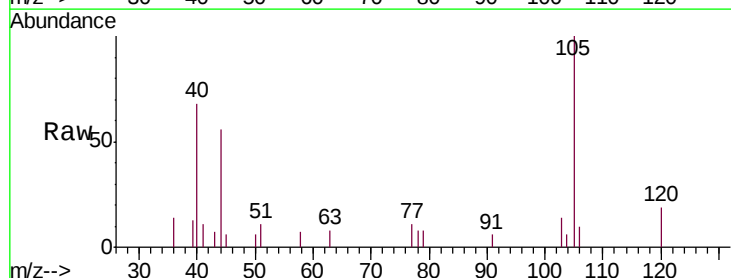
Tgt Ion:105 Resp: 2622

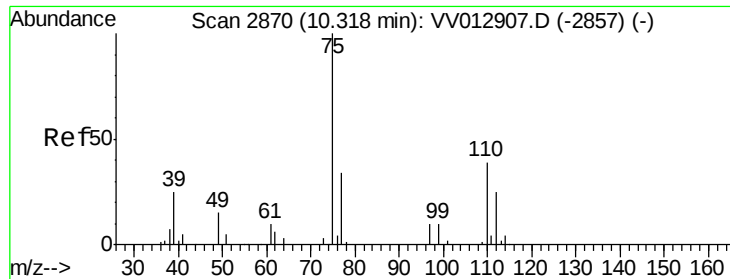
Ion Ratio Lower Upper

105 100

120 21.7 21.5 32.3

77 18.0 12.3 18.5





#61

1,2,3-Trichloropropane

Concen: 1.683 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.97 min

Lab File: VV012909.D

Acq: 18 Sep 2019 23:16

Instrument :

MSVOA_V

ClientSampleId :

A5169

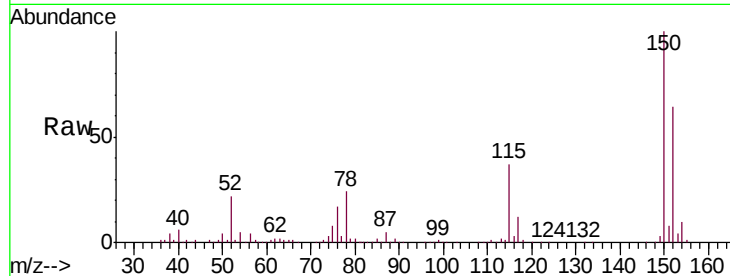
Tgt Ion: 75 Resp: 16420

Ion Ratio Lower Upper

75 100

77 37.0 26.8 40.2

110 2.0 35.0 52.6#

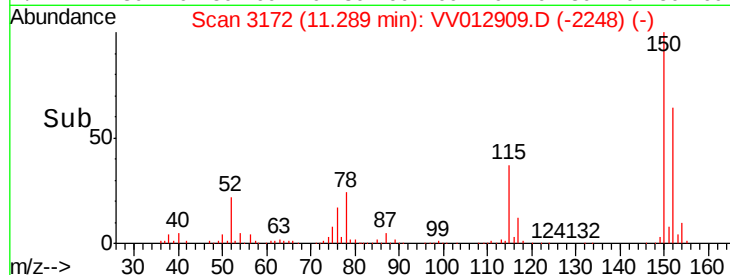


Abundance Ion 75.00 (74.70 to 75.70): VV012909.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV012909.D (-2248) (-)

Ion 110.00 (109.70 to 110.70): VV012909.D (-2248) (-)

Time-->



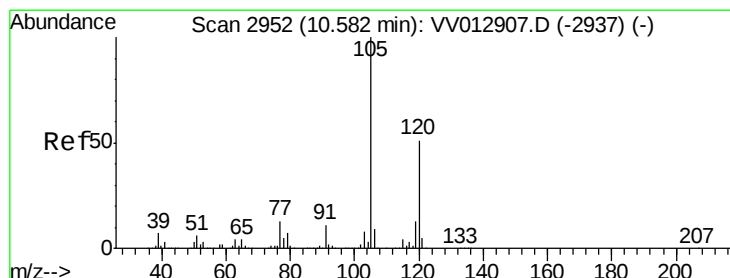
Abundance

Ion 75.00 (74.70 to 75.70): VV012909.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV012909.D (-2248) (-)

Ion 110.00 (109.70 to 110.70): VV012909.D (-2248) (-)

Time-->



#62

1,3,5-Trimethylbenzene

Concen: 0.011 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV012909.D

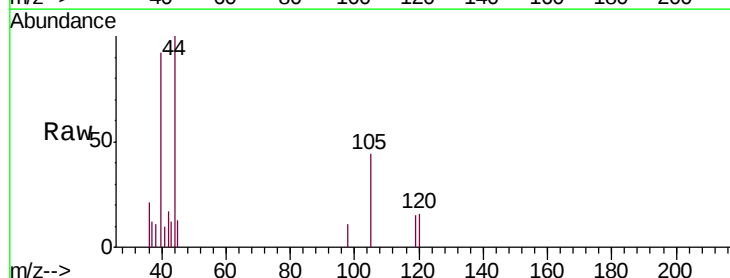
Acq: 18 Sep 2019 23:16

Tgt Ion: 105 Resp: 769

Ion Ratio Lower Upper

105 100

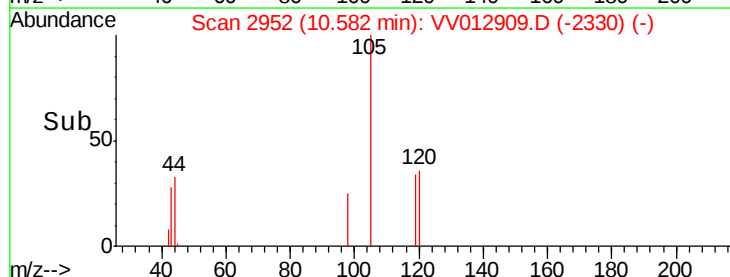
120 0.0 40.1 60.1#



Abundance Ion 105.00 (104.70 to 105.70): VV012909.D (-2330) (-)

Ion 120.00 (119.70 to 120.70): VV012909.D (-2330) (-)

Time-->

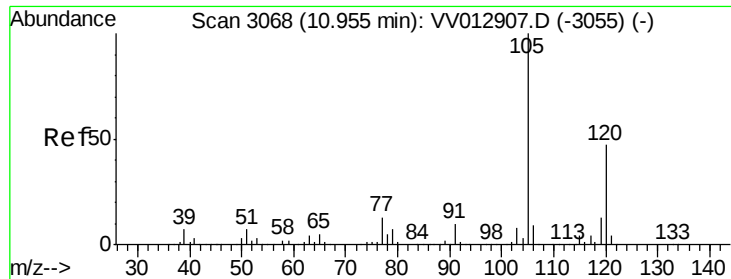


Abundance

Ion 105.00 (104.70 to 105.70): VV012909.D (-2330) (-)

Ion 120.00 (119.70 to 120.70): VV012909.D (-2330) (-)

Time-->



#63
 1,2,4-Trimethylbenzene
 Concen: 0.016 ug/L
 RT: 10.96 min Scan# 3070
 Delta R.T. 0.01 min
 Lab File: VV012909.D
 Acq: 18 Sep 2019 23:16

Instrument :
 MSVOA_V
 ClientSampleId :
 A5169

Tgt Ion:105 Resp: 1124
 Ion Ratio Lower Upper
 105 100
 120 32.6 35.8 53.8#

