

Data File : VV013608.D
Acq On : 13 Nov 2019 17:16
Operator : SY/MD
Sample : K5815-02MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5460MS

Quant Time: Nov 14 06:13:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 14 06:01:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.69	114	387581	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.91	117	368225	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	142128	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.34	65	115812	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.61	69	91129	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.15	63	177555	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	4.03	46	256016	57.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.84%
24) Chloroform-d	4.42	84	196821	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.10	65	97905	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.10	84	391584	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.16	67	145762	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.40	98	348413	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.40%
43) trans-1,3-Dichloropropene-	7.70	79	49532	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.16	63	219995	48.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	99041	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	141260	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	2102	0.087	ug/L #	22
12) 1,1-Dichloroethene	2.17	96	70682	3.137	ug/L	97
13) Acetone	2.27	43	3864	1.340	ug/L	85
17) Methyl tert-butyl Ether	2.86	73	28882	0.548	ug/L	97
27) 1,2-Dichloroethane	5.15	62	1797	0.061	ug/L	97
33) Benzene	5.15	78	340739	3.167	ug/L	100
34) Trichloroethene	5.99	95	102210	3.385	ug/L	98
35) Methylcyclohexane	6.16	83	36950	0.842	ug/L #	17
37) 1,2-Dichloropropane	6.16	63	16708	0.601	ug/L #	100
39) cis-1,3-Dichloropropene	7.08	75	3690	0.096	ug/L #	44
42) Toluene	7.47	91	393870	3.371	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	2499	0.085	ug/L	89
48) 2-Hexanone	8.21	43	14631	1.339	ug/L #	87
51) Chlorobenzene	8.94	112	304152	3.972	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	1923	0.052	ug/L #	89
69) Naphthalene	13.55	128	4720	0.130	ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111319\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 14 06:01:41 2019
Response via : Initial Calibration

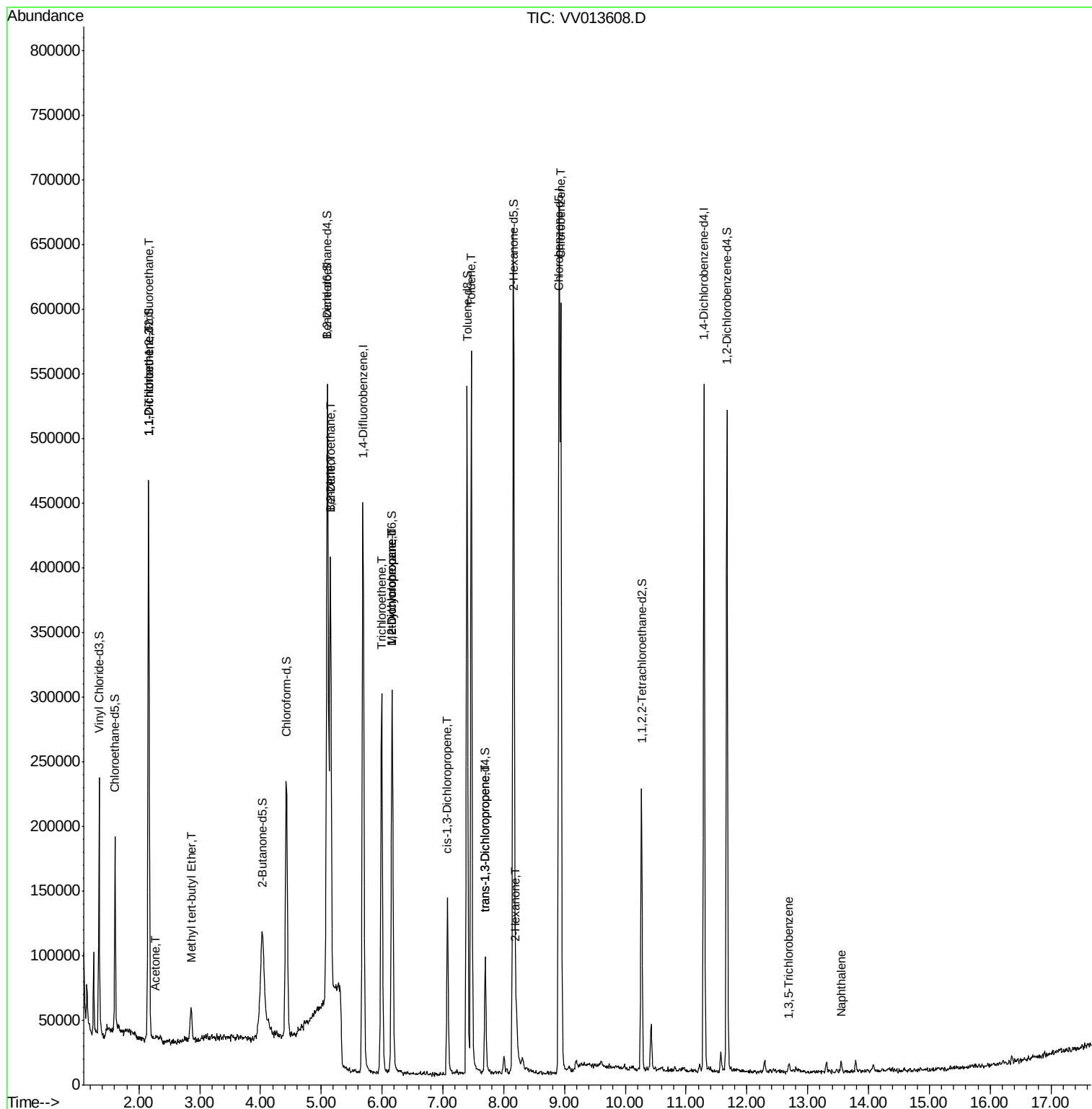
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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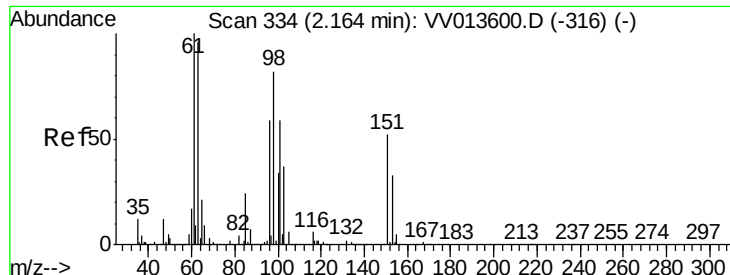
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.087 ug/L

RT: 2.15 min Scan# 331

Delta R.T. -0.01 min

Lab File: VV013608.D

Acq: 13 Nov 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

A5460MS

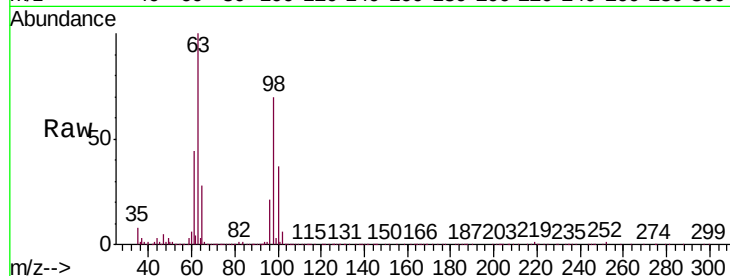
Tgt Ion: 101 Resp: 2102

Ion Ratio Lower Upper

101 100

85 8.0 33.1 49.7#

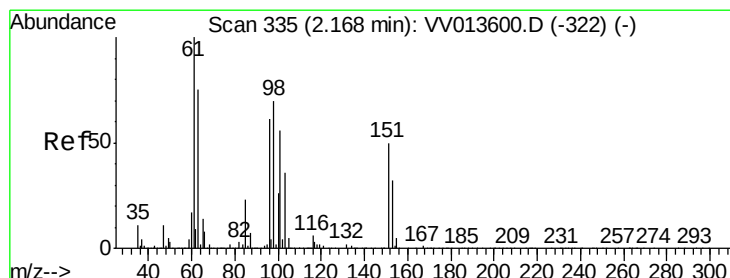
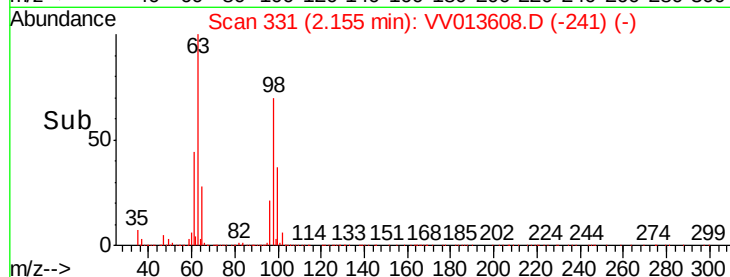
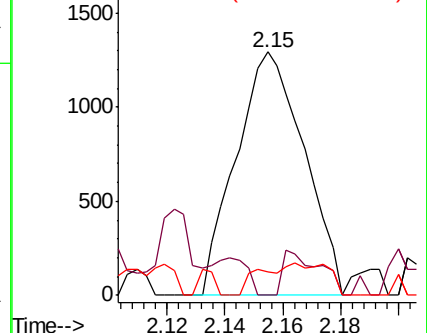
151 4.6 69.5 104.3#



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: 3.137 ug/L

RT: 2.17 min Scan# 335

Delta R.T. -0.00 min

Lab File: VV013608.D

Acq: 13 Nov 2019 17:16

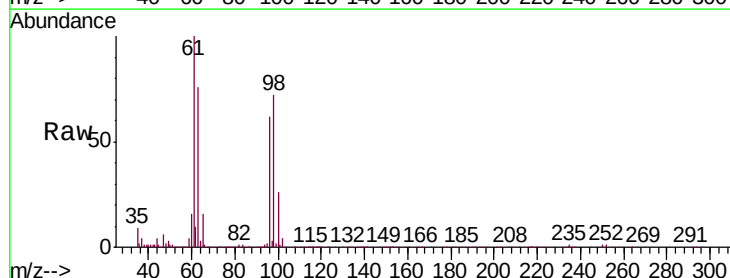
Tgt Ion: 96 Resp: 70682

Ion Ratio Lower Upper

96 100

61 160.6 115.6 214.6

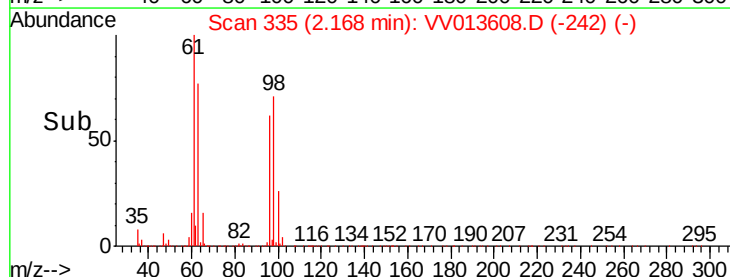
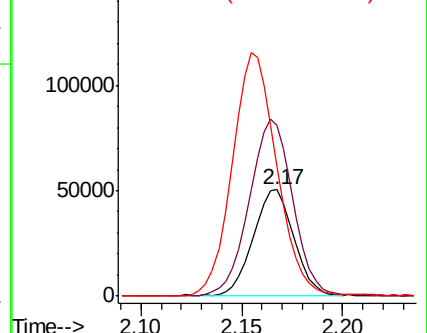
63 122.8 87.2 162.0

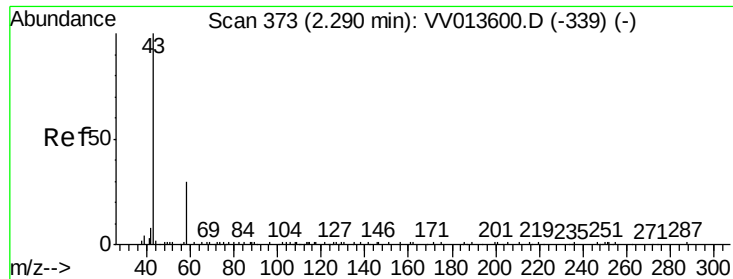


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

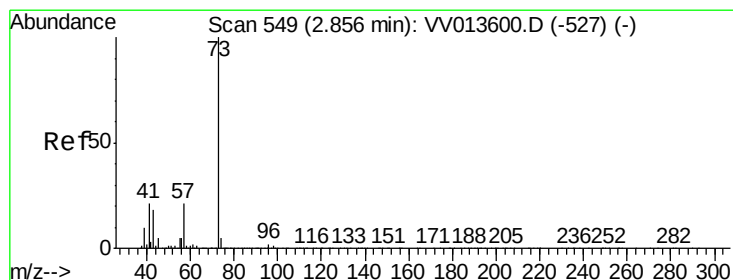
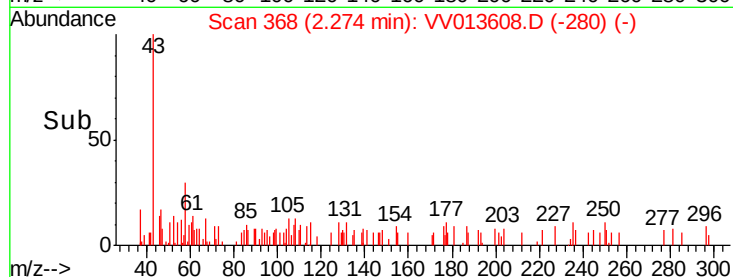
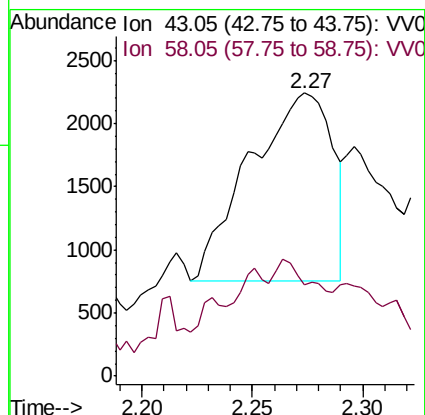
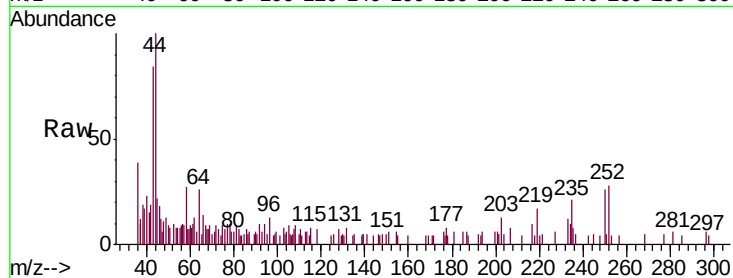




#13
Acetone
Concen: 1.340 ug/L
RT: 2.27 min Scan# 368
Delta R.T. -0.02 min
Lab File: VV013608.D
Acq: 13 Nov 2019 17:16

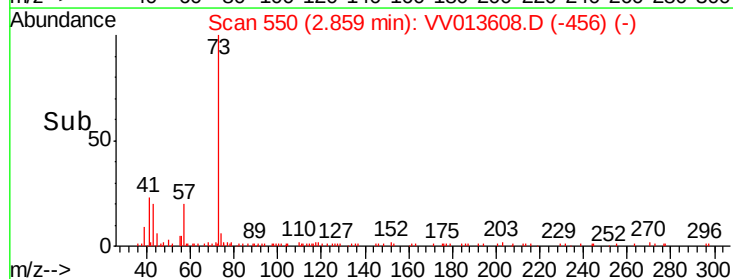
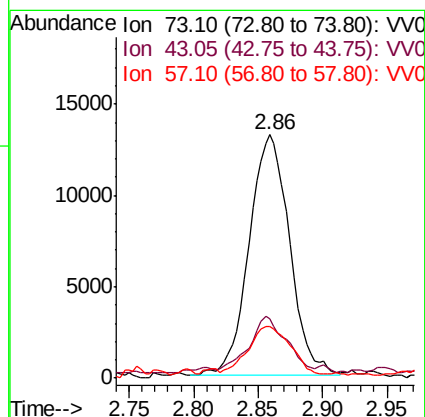
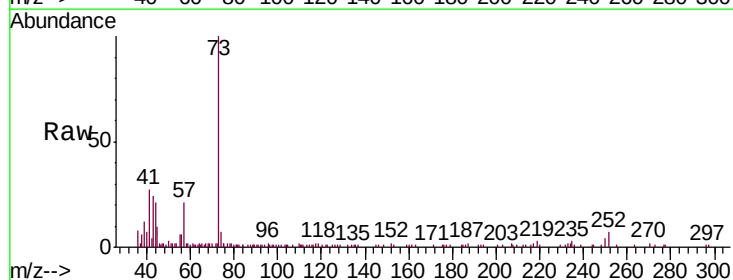
Instrument :
MSVOA_V
ClientSampleId :
A5460MS

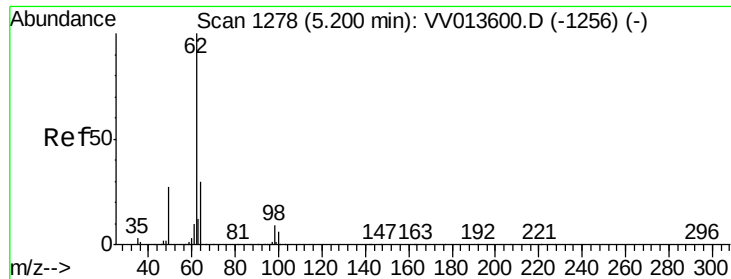
Tgt Ion: 43 Resp: 3864
Ion Ratio Lower Upper
43 100
58 8.4 0.0 28.8



#17
Methyl tert-butyl Ether
Concen: 0.548 ug/L
RT: 2.86 min Scan# 550
Delta R.T. 0.00 min
Lab File: VV013608.D
Acq: 13 Nov 2019 17:16

Tgt Ion: 73 Resp: 28882
Ion Ratio Lower Upper
73 100
43 21.4 14.8 22.2
57 20.7 16.3 24.5

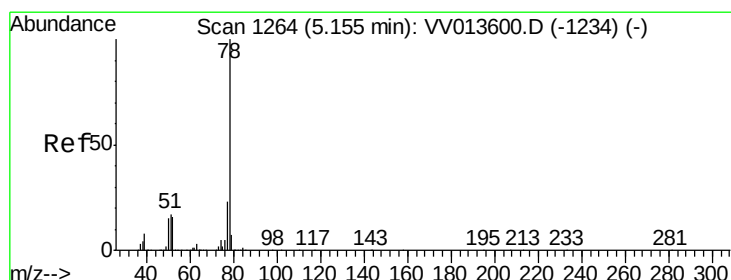
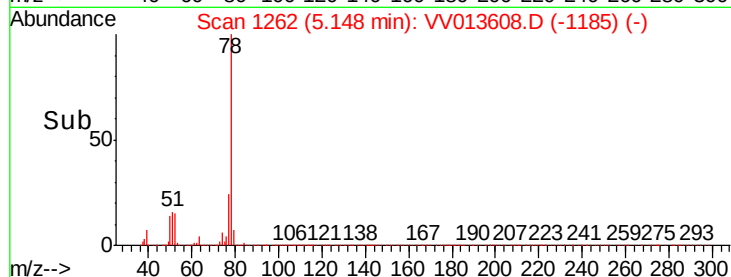
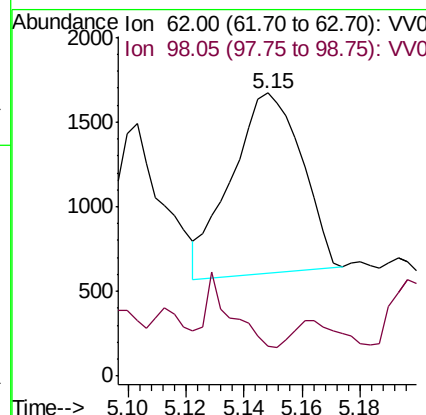
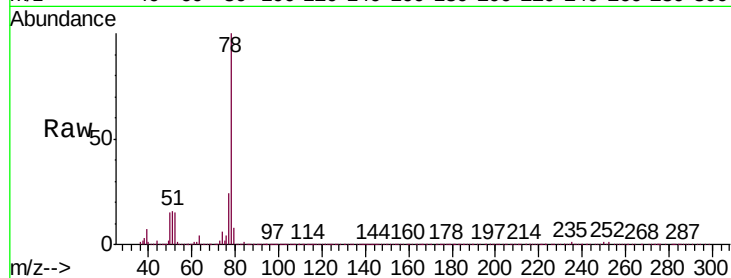




#27
 1,2-Dichloroethane
 Concen: 0.061 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. -0.05 min
 Lab File: VV013608.D
 Acq: 13 Nov 2019 17:16

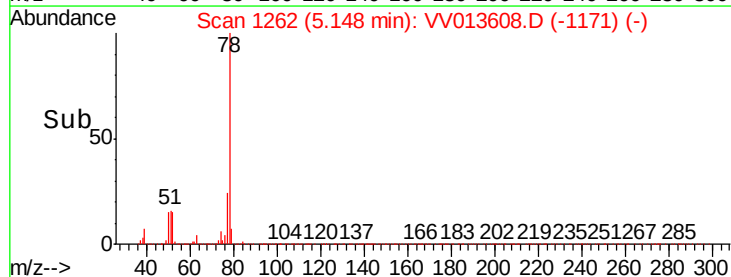
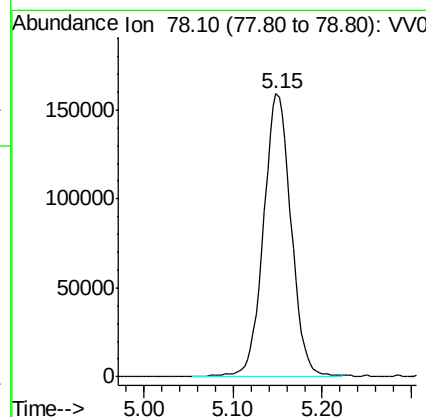
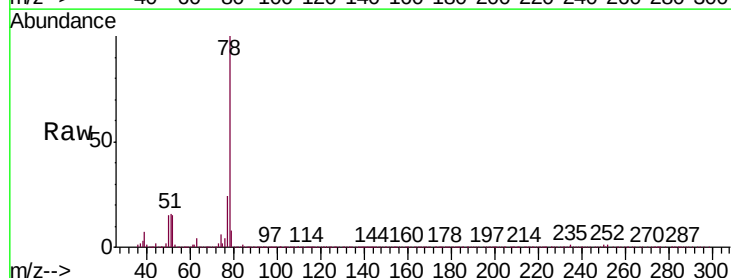
Instrument :
 MSVOA_V
 ClientSampleId :
 A5460MS

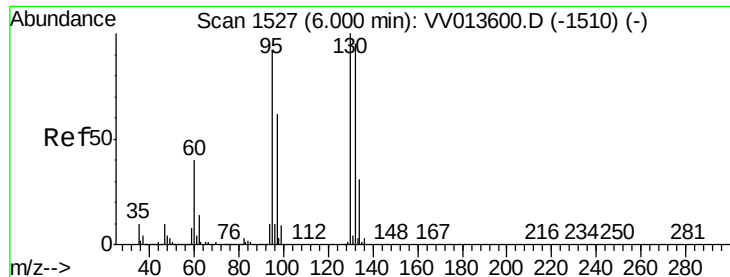
Tgt Ion: 62 Resp: 1797
 Ion Ratio Lower Upper
 62 100
 98 10.5 7.4 11.2



#33
 Benzene
 Concen: 3.167 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: VV013608.D
 Acq: 13 Nov 2019 17:16

Tgt Ion: 78 Resp: 340739





#34

Trichloroethene

Concen: 3.385 ug/L

RT: 5.99 min Scan# 1524

Delta R.T. -0.01 min

Lab File: VV013608.D

Acq: 13 Nov 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

A5460MS

Tgt Ion: 95 Resp: 102210

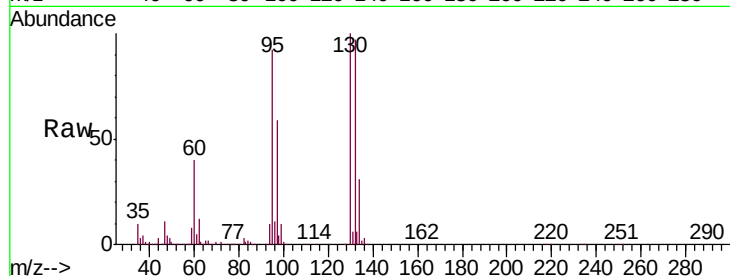
Ion Ratio Lower Upper

95 100

97 64.5 47.0 87.4

132 105.1 72.2 134.0

130 108.7 75.7 140.7



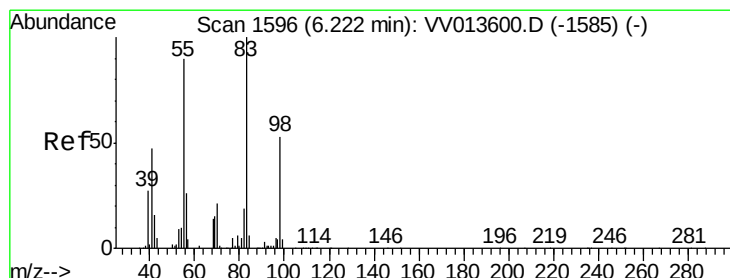
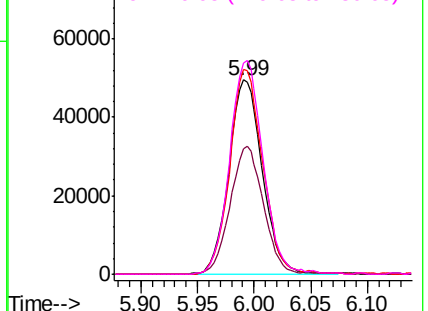
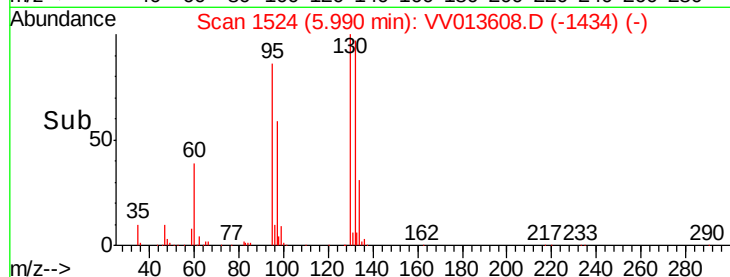
Abundance

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: 0.842 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.06 min

Lab File: VV013608.D

Acq: 13 Nov 2019 17:16

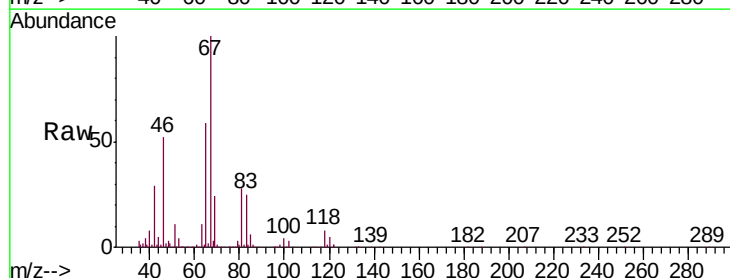
Tgt Ion: 83 Resp: 36950

Ion Ratio Lower Upper

83 100

55 0.6 67.0 100.4#

98 1.7 38.5 57.7#

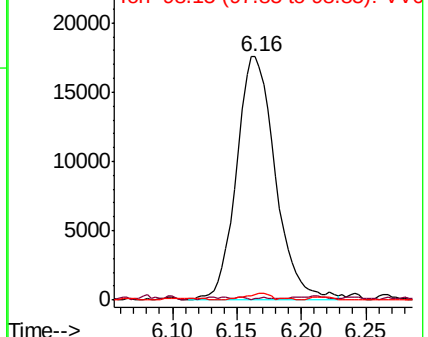
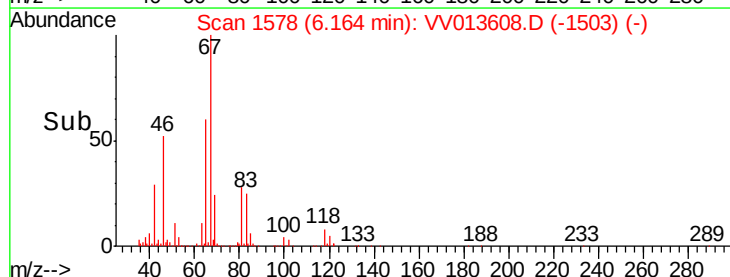


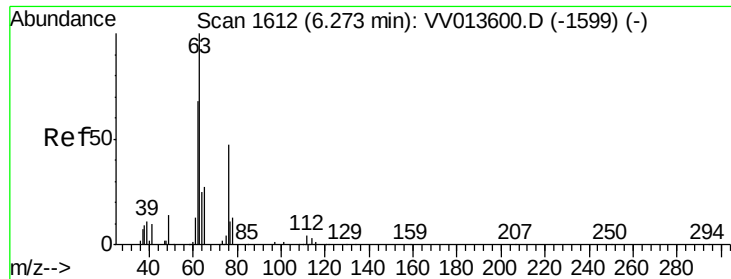
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

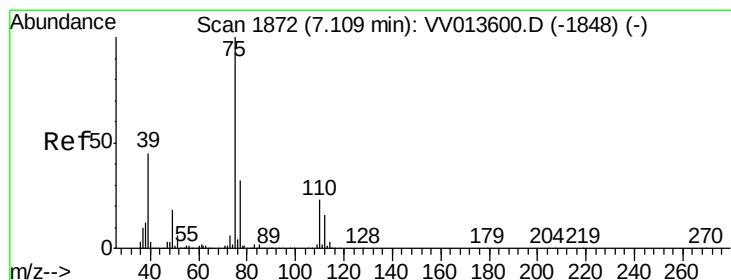
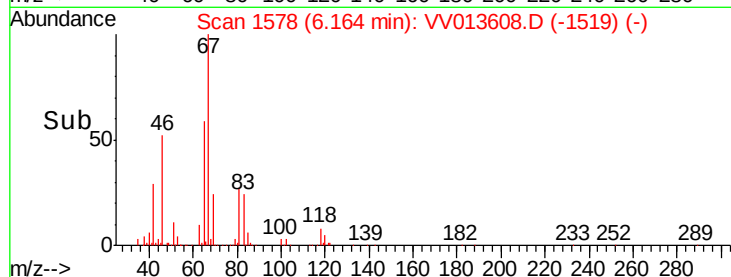
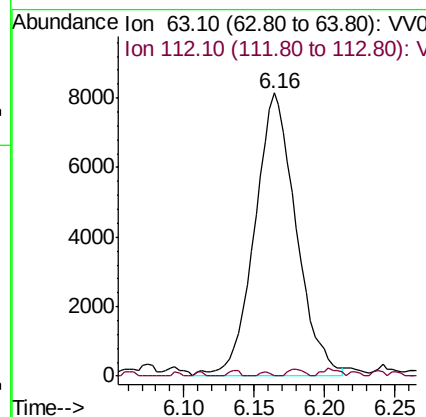
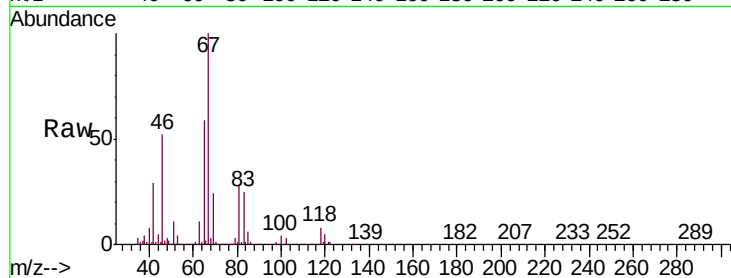




#37
 1,2-Dichloropropane
 Concen: 0.601 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.11 min
 Lab File: VV013608.D
 Acq: 13 Nov 2019 17:16

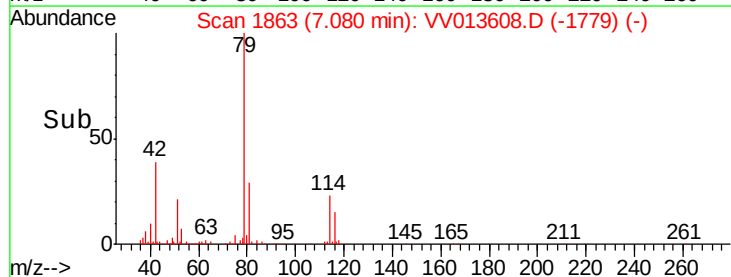
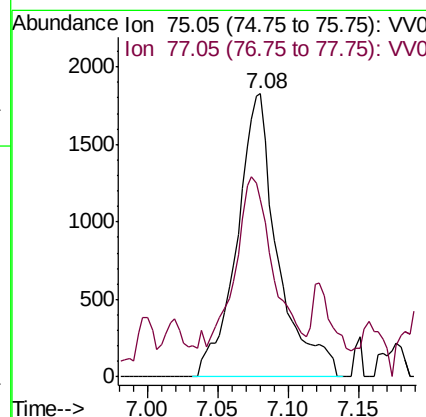
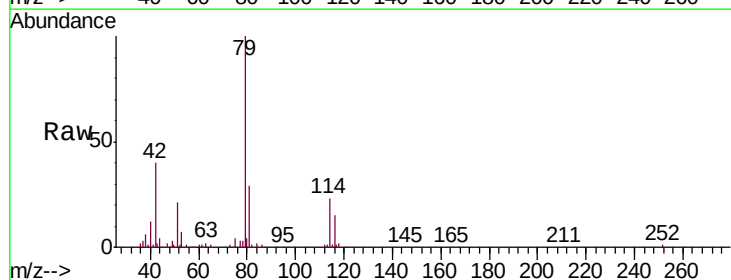
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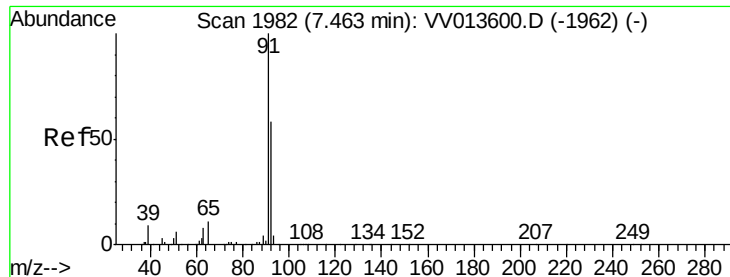
Tgt Ion: 63 Resp: 16708
 Ion Ratio Lower Upper
 63 100
 112 0.4 0.2 0.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.08 min Scan# 1863
 Delta R.T. -0.03 min
 Lab File: VV013608.D
 Acq: 13 Nov 2019 17:16

Tgt Ion: 75 Resp: 3690
 Ion Ratio Lower Upper
 75 100
 77 62.7 22.3 41.3#





#42

Toluene

Concen: 3.371 ug/L

RT: 7.47 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VV013608.D

Acq: 13 Nov 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

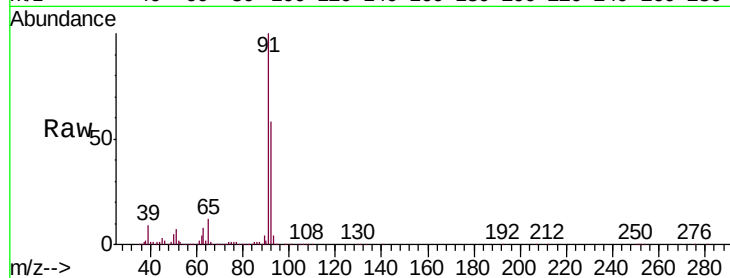
A5460MS

Tgt Ion: 91 Resp: 393870

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.47

250000

200000

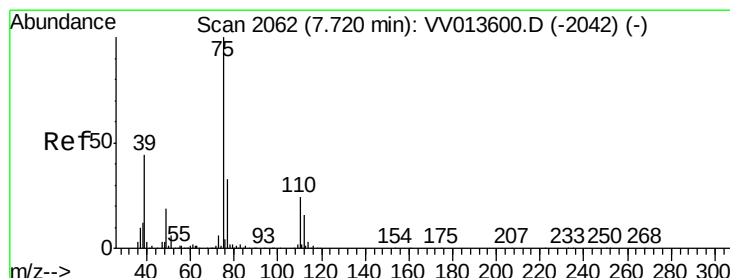
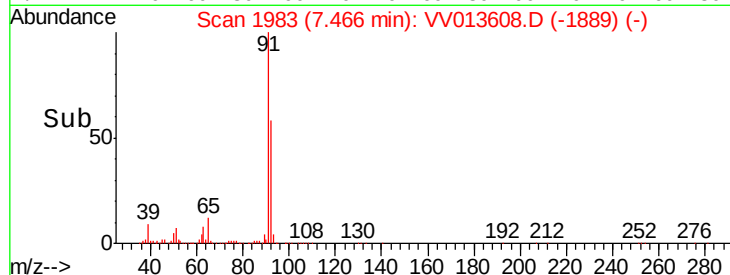
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.03 min

Lab File: VV013608.D

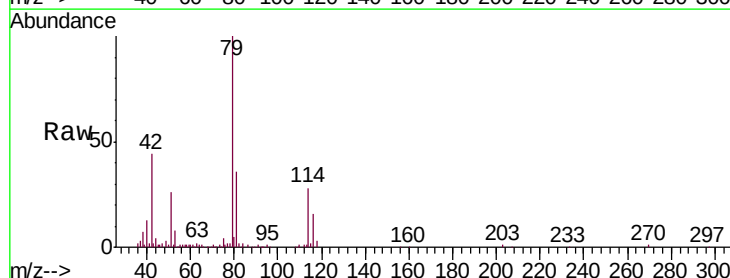
Acq: 13 Nov 2019 17:16

Tgt Ion: 75 Resp: 2499

Ion Ratio Lower Upper

75 100

77 39.4 23.2 43.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

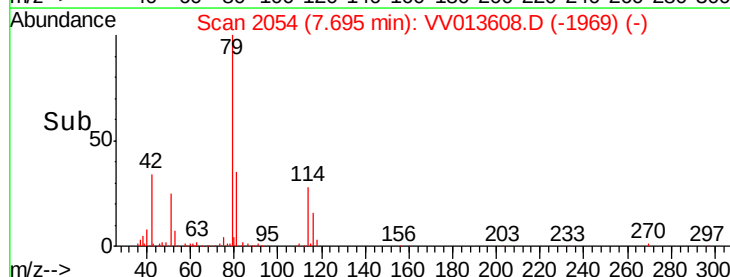
7.69

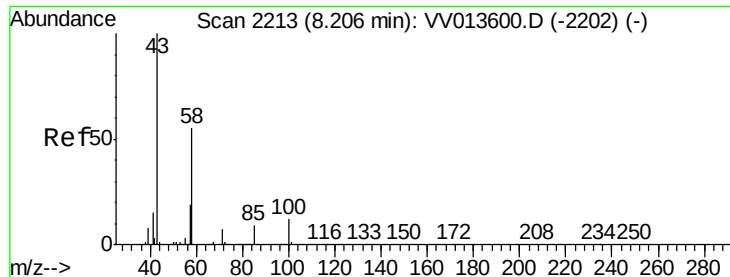
1000

500

0

Time-->

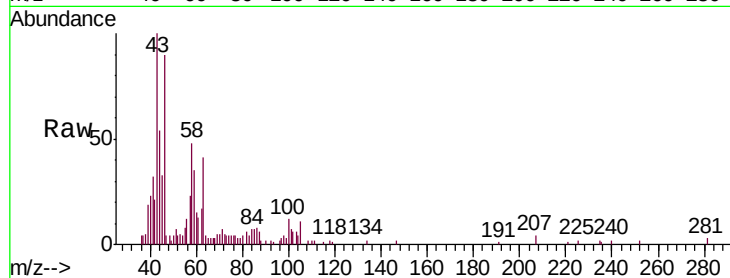




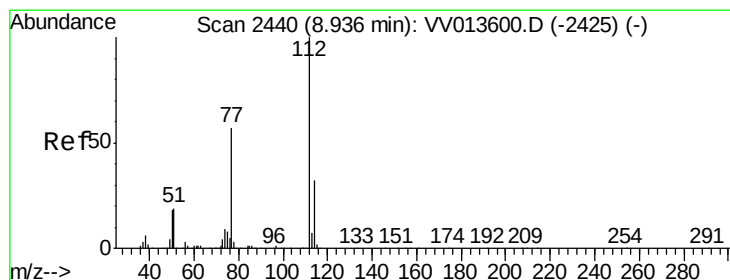
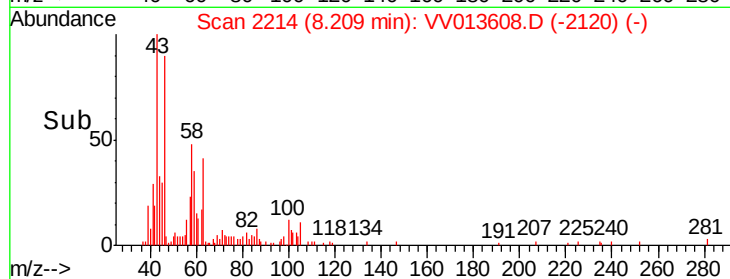
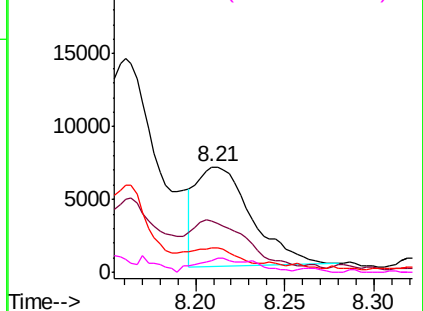
#48
2-Hexanone
Concen: 1.339 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VV013608.D
Acq: 13 Nov 2019 17:16

Instrument :
MSVOA_V
ClientSampleId :
A5460MS

Tgt Ion:	43	Resp:	14631
Ion	Ratio	Lower	Upper
43	100		
58	52.0	45.1	67.7
57	0.0	14.6	21.8#
100	10.3	10.2	15.2

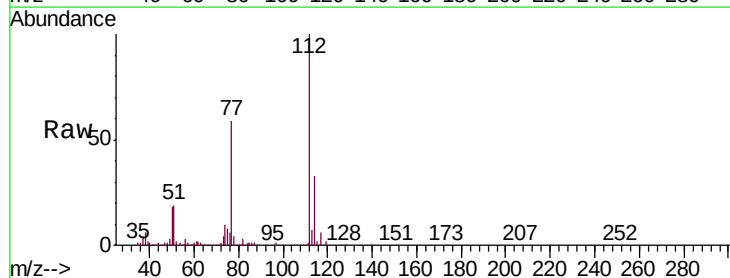


Abundance Ion 43.05 (42.75 to 43.75): VV013608.D (-2202) (-)
Ion 58.05 (57.75 to 58.75): VV013608.D (-2202) (-)
Ion 57.20 (56.90 to 57.90): VV013608.D (-2202) (-)
Ion 100.15 (99.85 to 100.85): VV013608.D (-2202) (-)

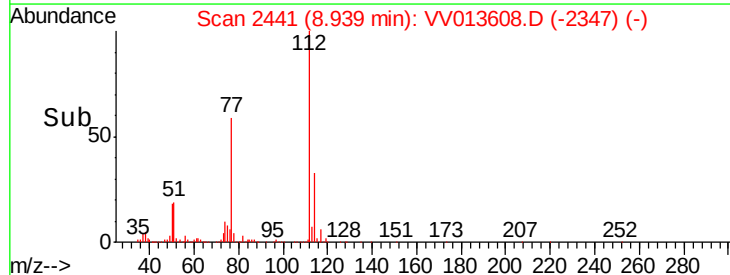
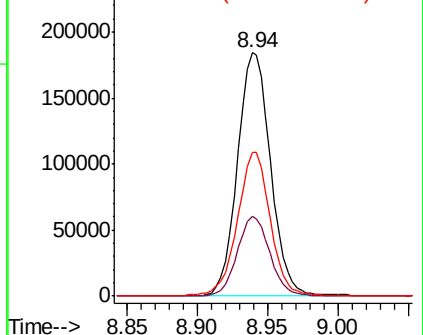


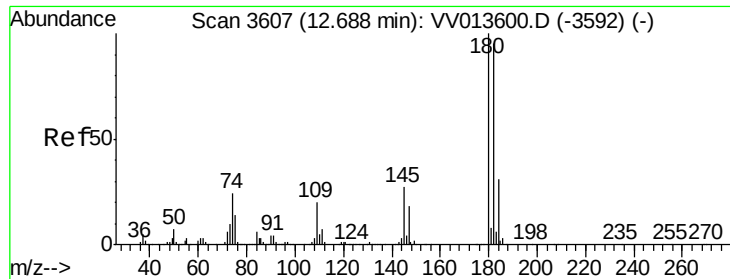
#51
Chlorobenzene
Concen: 3.972 ug/L
RT: 8.94 min Scan# 2441
Delta R.T. 0.00 min
Lab File: VV013608.D
Acq: 13 Nov 2019 17:16

Tgt Ion:	112	Resp:	304152
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.3	41.5
77	59.1	46.0	69.0



Abundance Ion 112.10 (111.80 to 112.80): VV013608.D (-2347) (-)
Ion 114.05 (113.75 to 114.75): VV013608.D (-2347) (-)
Ion 77.10 (76.80 to 77.80): VV013608.D (-2347) (-)





#67

1,3,5-Trichlorobenzene

Concen: 0.052 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV013608.D

Acq: 13 Nov 2019 17:16

Instrument :

MSVOA_V

ClientSampleId :

A5460MS

Tgt Ion:180 Resp: 1923

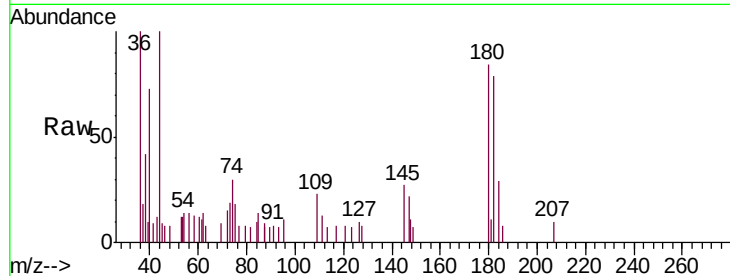
Ion Ratio Lower Upper

180 100

182 100.0 76.7 115.1

184 40.7 24.8 37.2#

145 42.5 21.5 32.3#

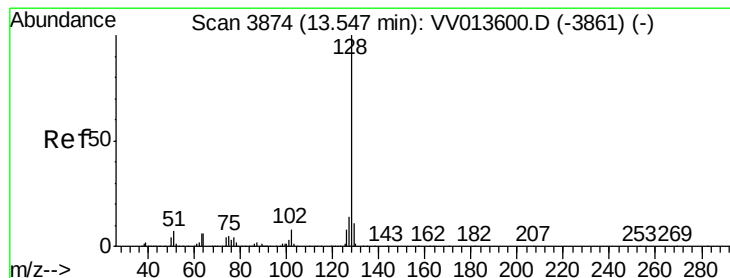
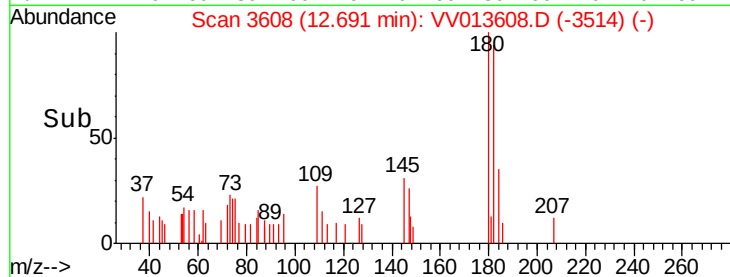
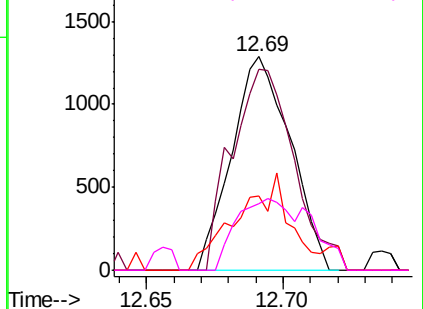


Abundance Ion 180.00 (179.70 to 180.70): V

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: 0.130 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013608.D

Acq: 13 Nov 2019 17:16

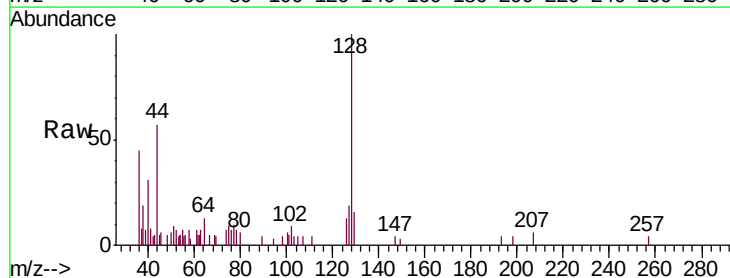
Tgt Ion:128 Resp: 4720

Ion Ratio Lower Upper

128 100

129 18.3 8.2 12.4#

127 17.5 11.2 16.8#



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

