

Data File : VV013209.D
Acq On : 18 Oct 2019 18:23
Operator : SY/MD
Sample : K5321-11MS
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0AA6MS

Quant Time: Oct 19 04:27:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 04:23:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	447586	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	475477	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	233997	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	210550	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.58	69	174015	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.13	63	311339	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	3.98	46	444264	47.22	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.44%
24) Chloroform-d	4.40	84	409843	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.08	65	202702	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.09	84	851048	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.11	67	262679	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.36	98	714074	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.66	79	90717	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.14	63	355335	45.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	179444	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	265711	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3498	0.093	ug/L #	31
12) 1,1-Dichloroethene	2.14	96	126291	3.513	ug/L #	83
14) Carbon disulfide	2.31	76	4201	0.041	ug/L #	49
25) Chloroform	4.42	83	36661	0.406	ug/L	98
27) 1,2-Dichloroethane	5.09	62	4644	0.094	ug/L	96
33) Benzene	5.14	78	731771	3.822	ug/L	100
34) Trichloroethene	5.96	95	182597	3.677	ug/L	99
35) Methylcyclohexane	6.12	83	63445	0.833	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	28059	0.594	ug/L #	89
38) Bromodichloromethane	6.56	83	7894	0.132	ug/L #	95
42) Toluene	7.43	91	762737	3.875	ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	4040	0.083	ug/L #	57
47) Tetrachloroethene	8.02	164	229491	5.285	ug/L	96
48) 2-Hexanone	8.14	43	48769	2.643	ug/L #	88
49) Dibromochloromethane	8.01	129	192159	4.954	ug/L #	11
51) Chlorobenzene	8.92	112	532748	4.210	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	4331	0.052	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101819\
Quantitation Report (Not Reviewed)

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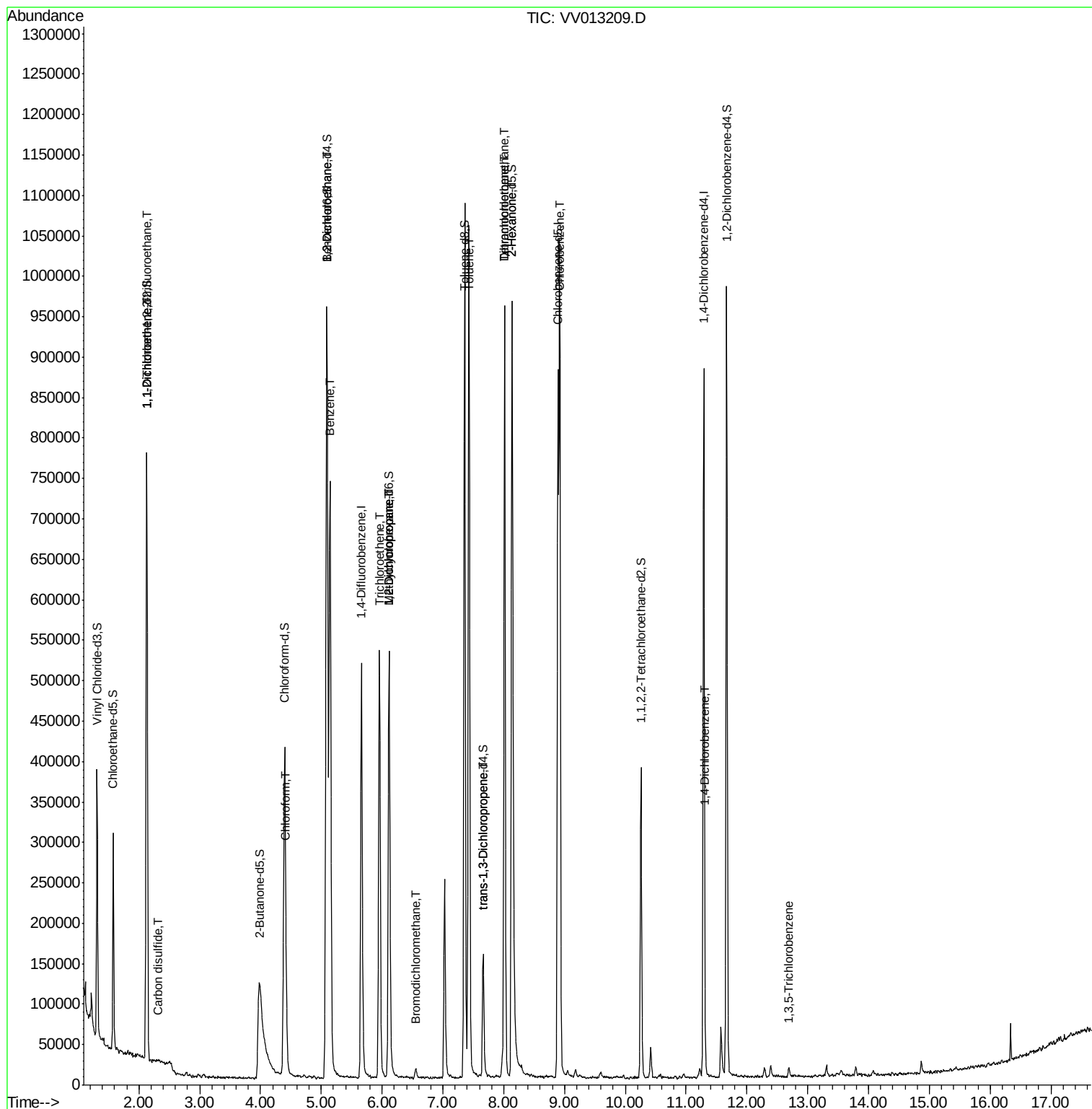
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	12.69	180	3475	0.057	ug/L	90

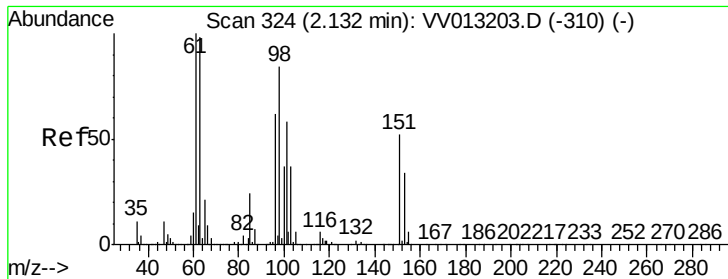
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.093 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Instrument :

MSVOA_V

ClientSampleId :

E0AA6MS

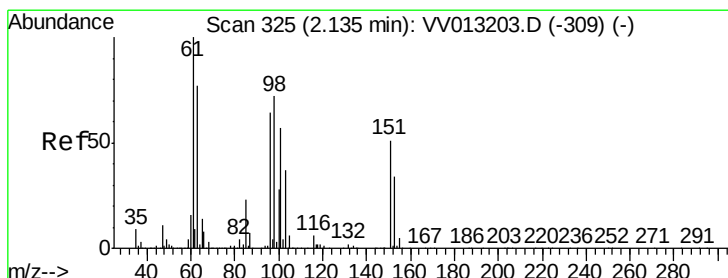
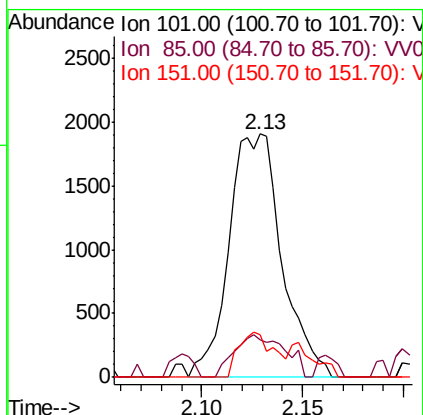
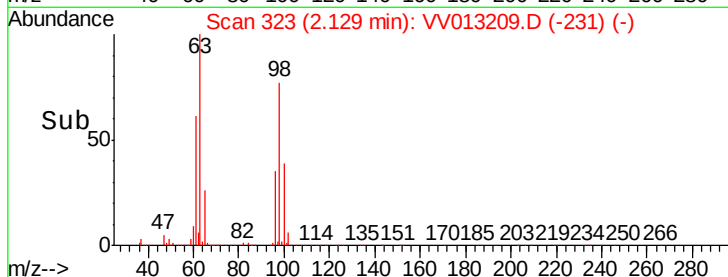
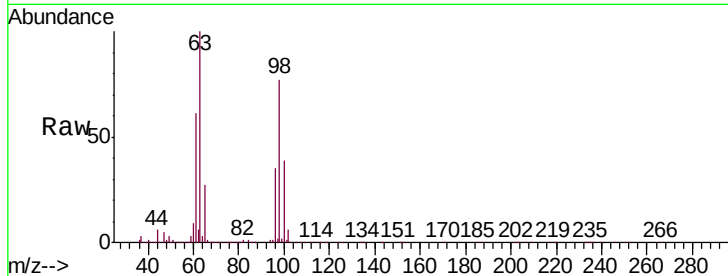
Tgt Ion: 101 Resp: 3498

Ion Ratio Lower Upper

101 100

85 16.8 32.4 48.6#

151 12.5 71.9 107.9#



#12

1,1-Dichloroethene

Concen: 3.513 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

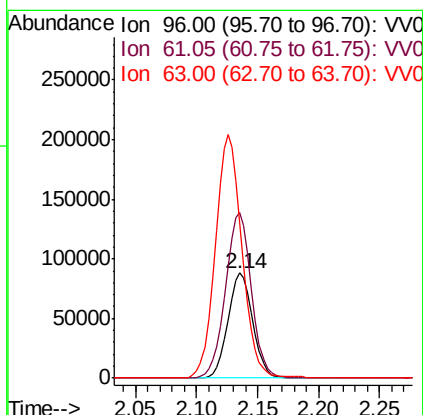
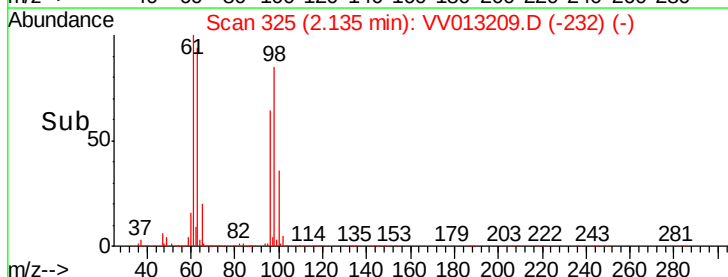
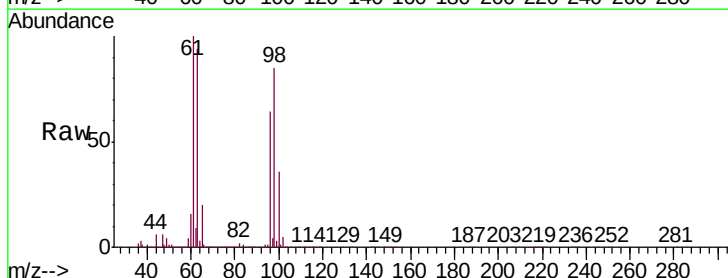
Tgt Ion: 96 Resp: 126291

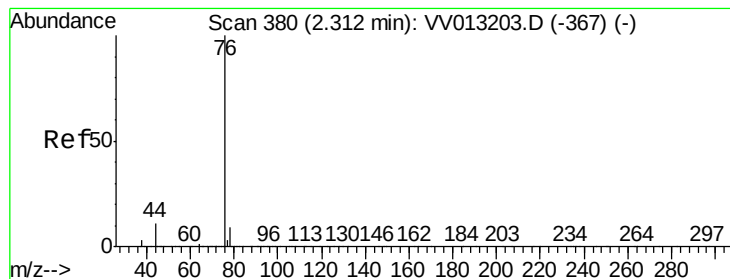
Ion Ratio Lower Upper

96 100

61 157.0 109.8 204.0

63 147.6 72.6 134.8#





#14

Carbon disulfide

Concen: 0.041 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Instrument :

MSVOA_V

ClientSampleId :

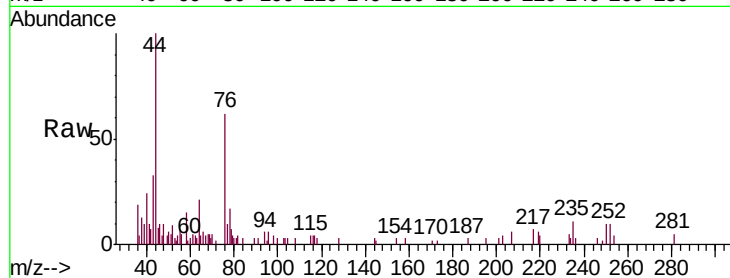
E0AA6MS

Tgt Ion: 76 Resp: 4201

Ion Ratio Lower Upper

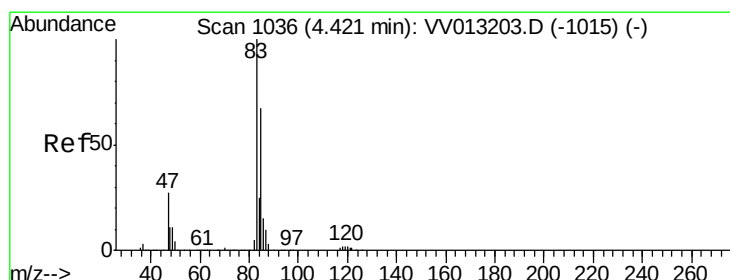
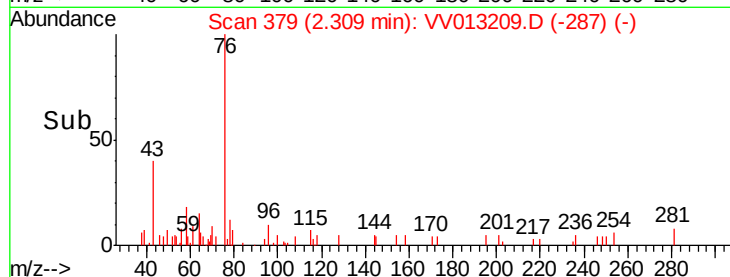
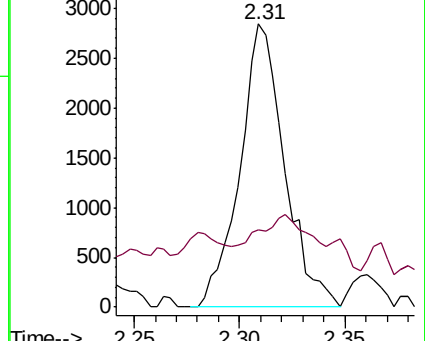
76 100

78 27.3 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#25

Chloroform

Concen: 0.406 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013209.D

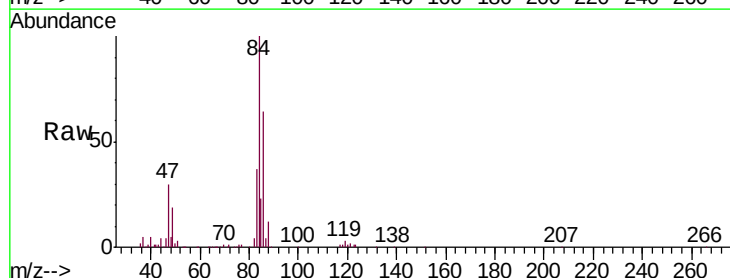
Acq: 18 Oct 2019 18:23

Tgt Ion: 83 Resp: 36661

Ion Ratio Lower Upper

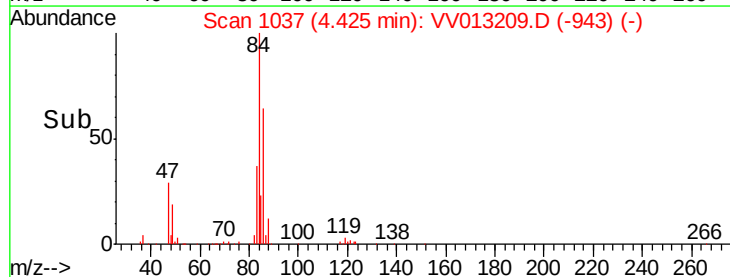
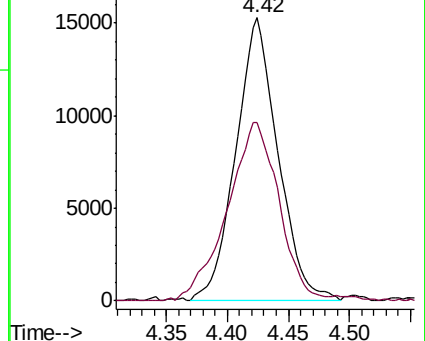
83 100

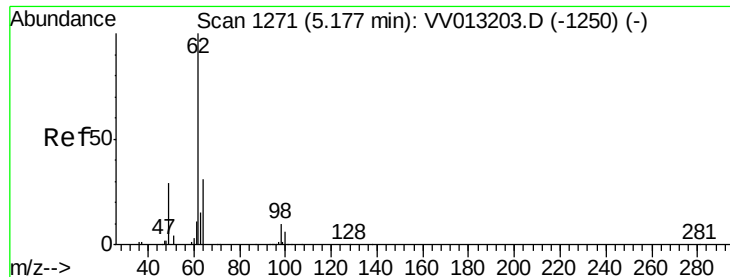
85 63.2 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.094 ug/L

RT: 5.09 min Scan# 1244

Delta R.T. -0.09 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Instrument :

MSVOA_V

ClientSampleId :

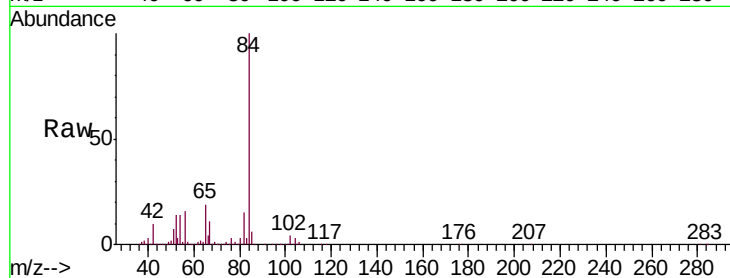
E0AA6MS

Tgt Ion: 62 Resp: 4644

Ion Ratio Lower Upper

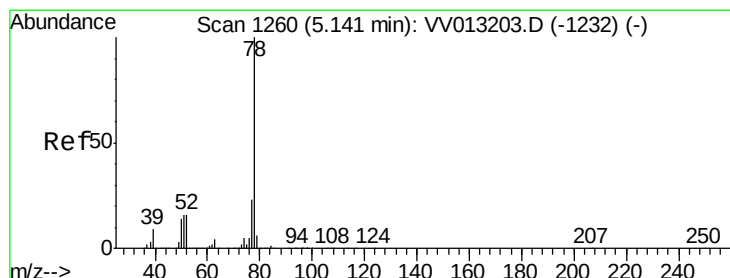
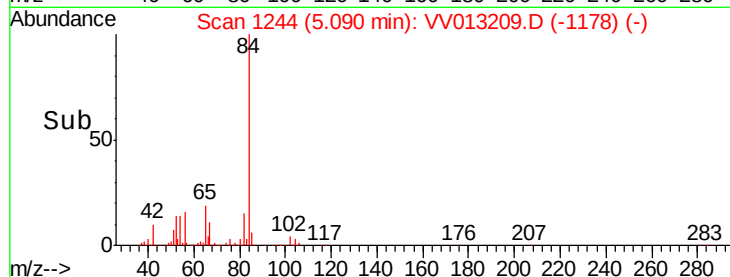
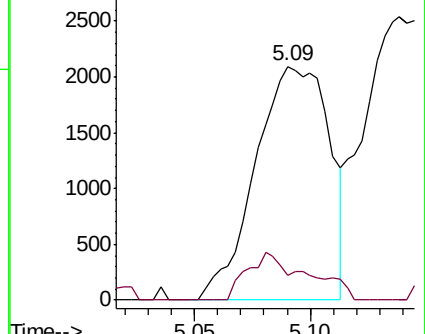
62 100

98 10.7 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#33

Benzene

Concen: 3.822 ug/L

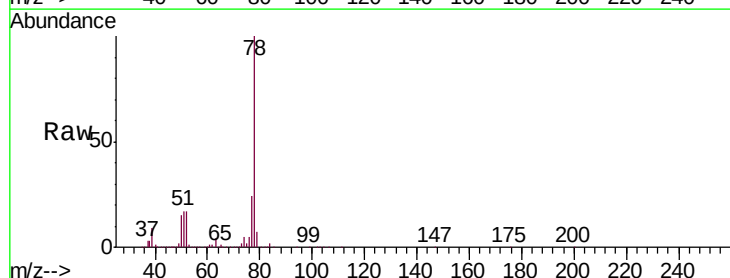
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

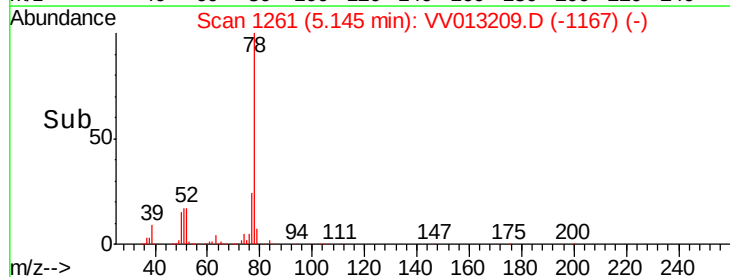
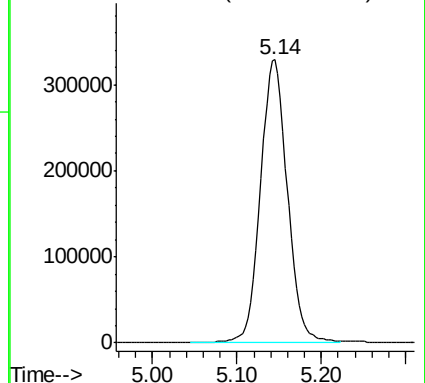
Lab File: VV013209.D

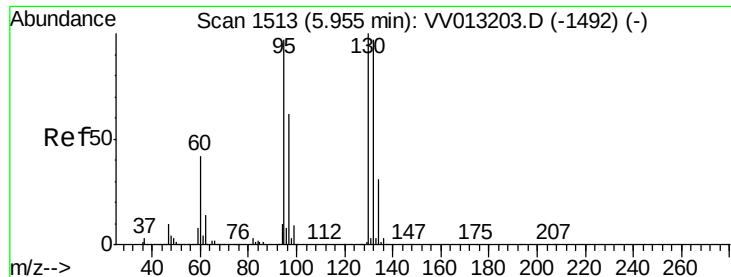
Acq: 18 Oct 2019 18:23

Tgt Ion: 78 Resp: 731771



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 3.677 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Instrument :

MSVOA_V

ClientSampleId :

E0AA6MS

Tgt Ion: 95 Resp: 182597

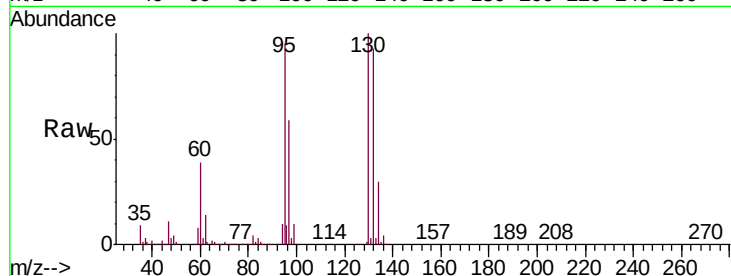
Ion Ratio Lower Upper

95 100

97 62.5 44.7 82.9

132 98.7 68.9 127.9

130 105.7 72.7 134.9

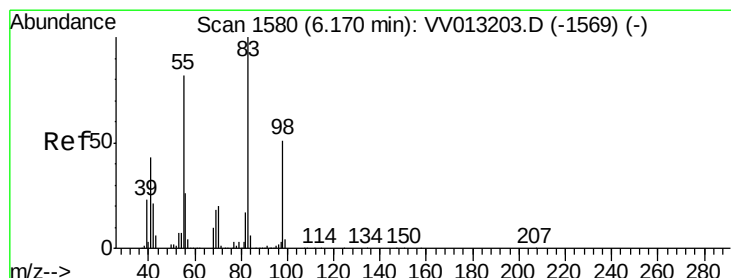
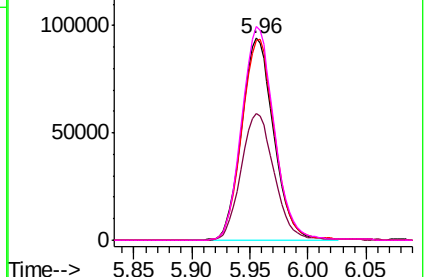
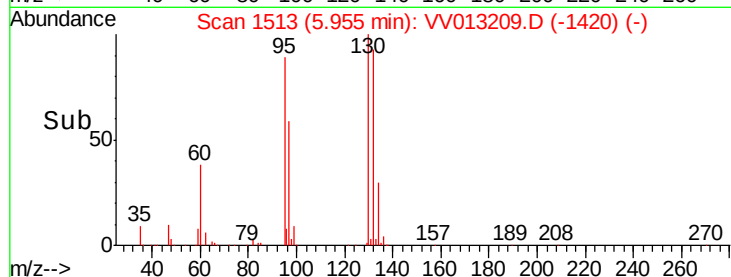


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.833 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

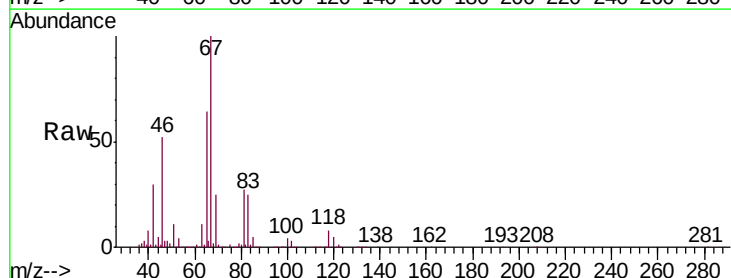
Tgt Ion: 83 Resp: 63445

Ion Ratio Lower Upper

83 100

55 0.5 64.0 96.0#

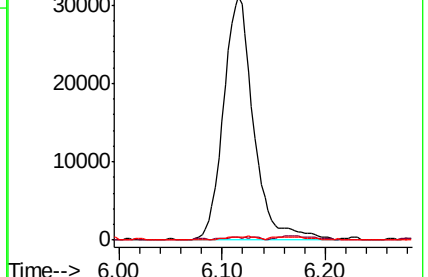
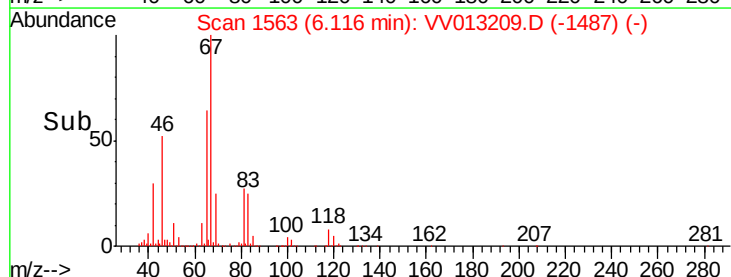
98 0.7 38.6 57.8#

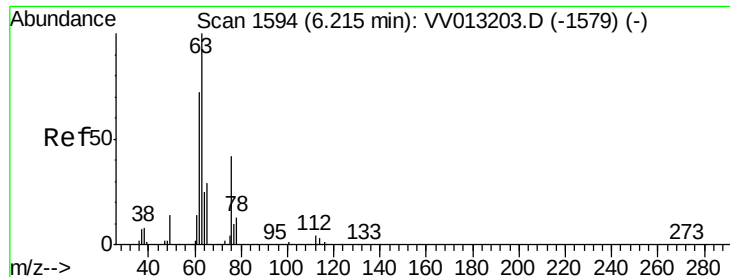


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.594 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Instrument :

MSVOA_V

ClientSampleId :

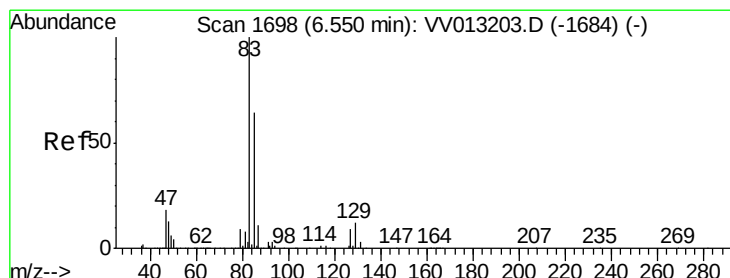
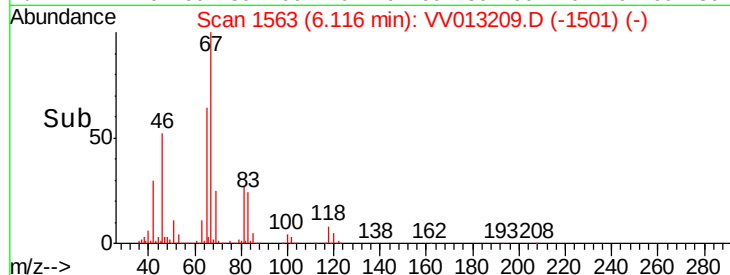
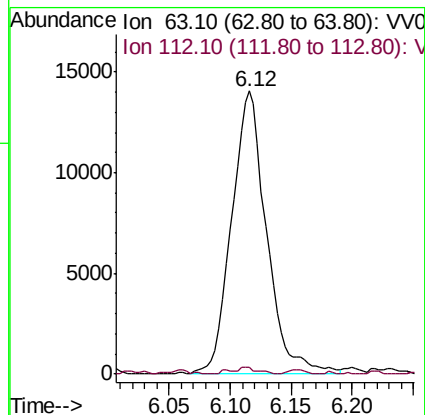
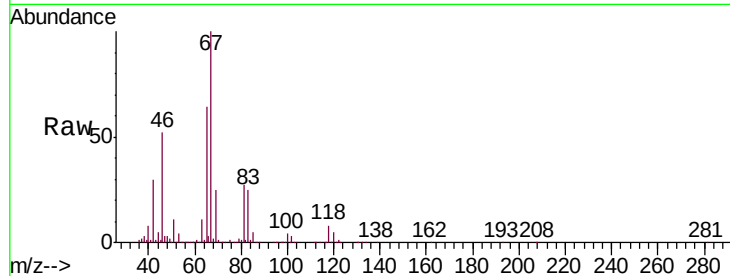
E0AA6MS

Tgt Ion: 63 Resp: 28059

Ion Ratio Lower Upper

63 100

112 1.3 3.8 5.8#



#38

Bromodichloromethane

Concen: 0.132 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.01 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

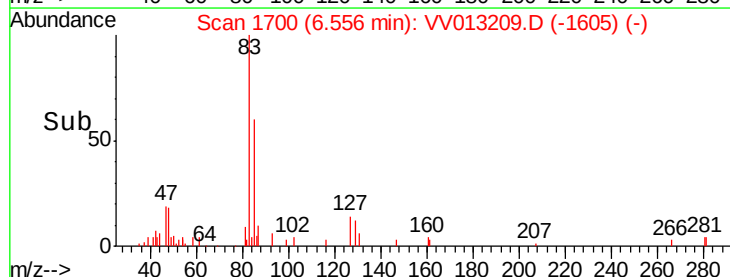
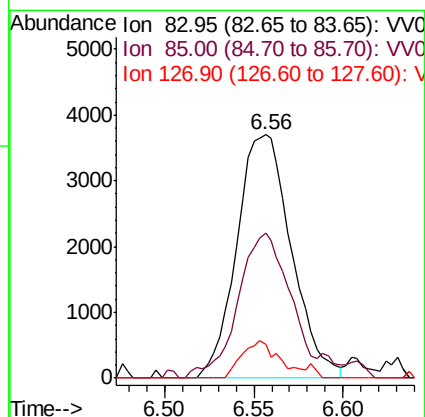
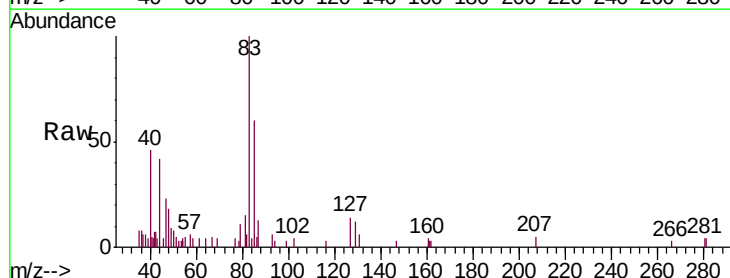
Tgt Ion: 83 Resp: 7894

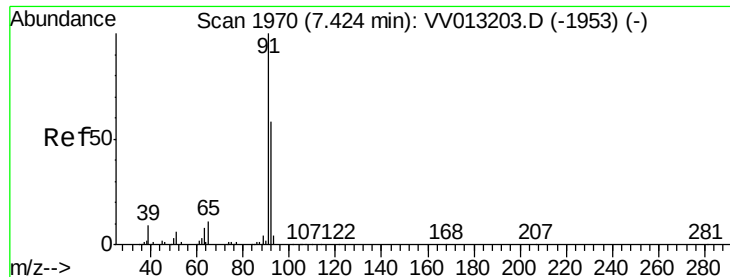
Ion Ratio Lower Upper

83 100

85 59.8 44.0 81.6

127 13.9 7.0 10.6#





#42

Toluene

Concen: 3.875 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Instrument :

MSVOA_V

ClientSampleId :

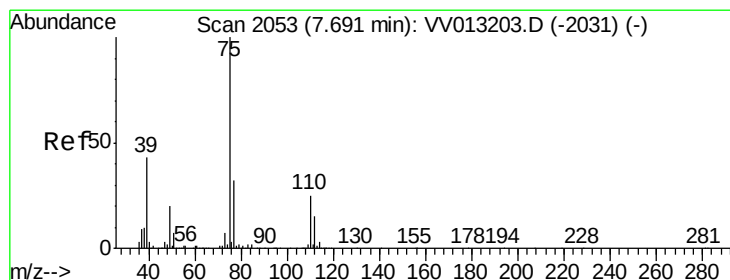
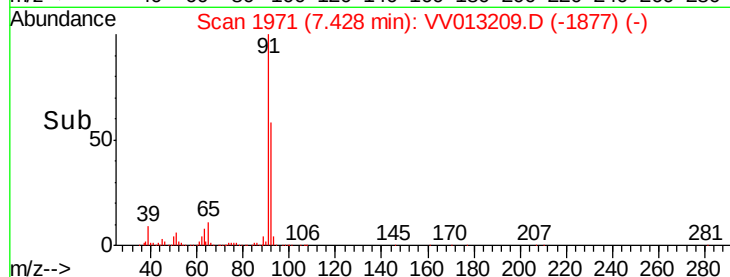
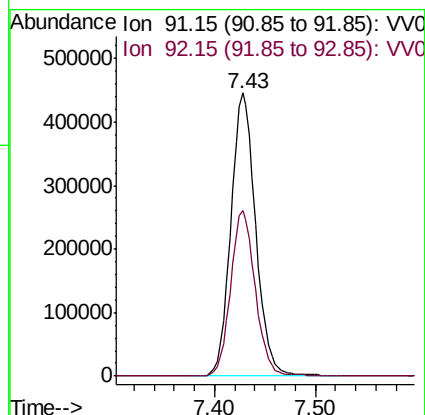
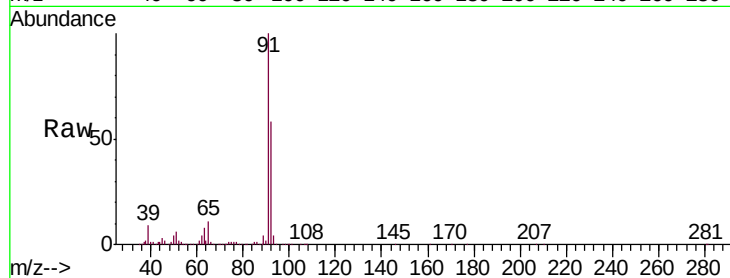
E0AA6MS

Tgt Ion: 91 Resp: 762737

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013209.D

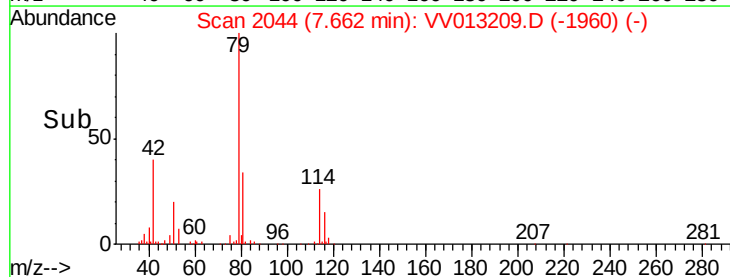
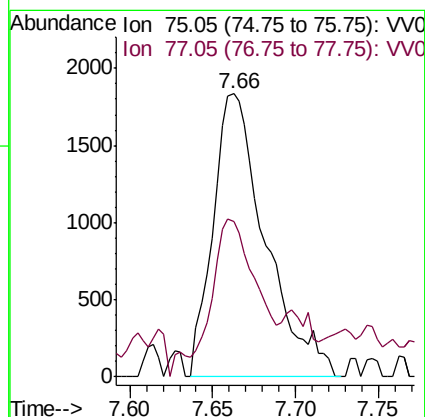
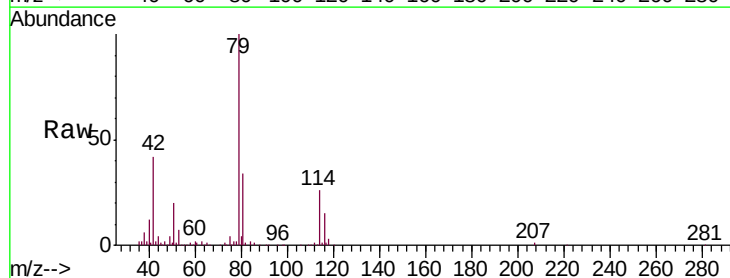
Acq: 18 Oct 2019 18:23

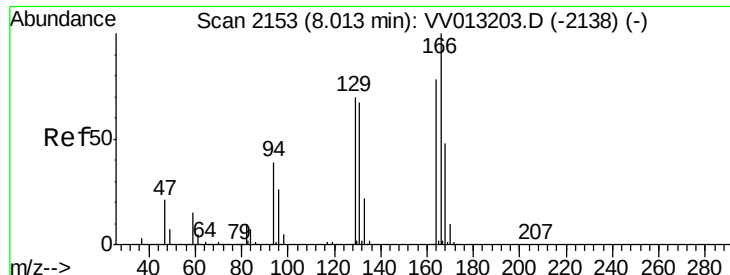
Tgt Ion: 75 Resp: 4040

Ion Ratio Lower Upper

75 100

77 54.8 21.8 40.4#





#47

Tetrachloroethene

Concen: 5.285 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Instrument :

MSVOA_V

ClientSampleId :

E0AA6MS

Tgt Ion:164 Resp: 229491

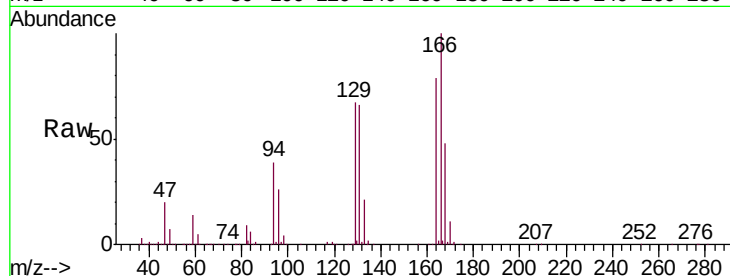
Ion Ratio Lower Upper

164 100

129 84.1 62.2 115.4

131 82.7 59.9 111.3

166 126.0 91.1 169.1

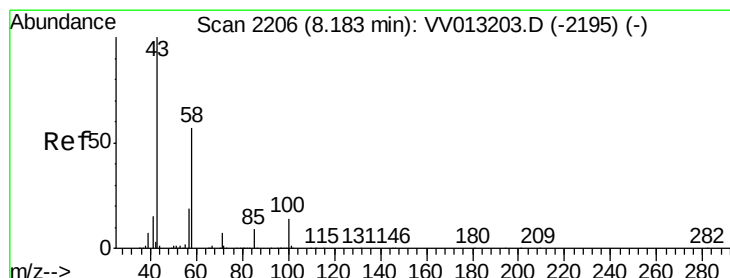
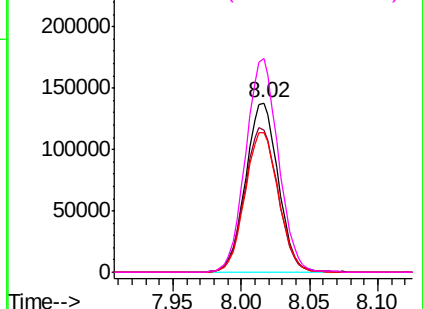
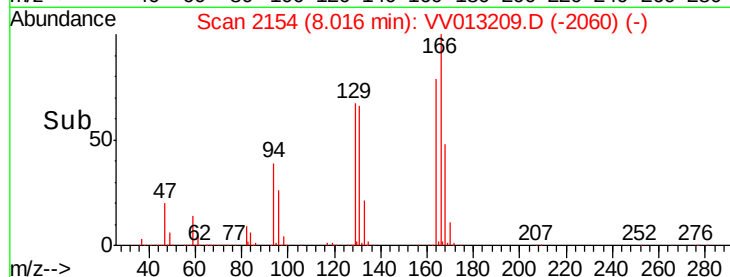


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.643 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.04 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Tgt Ion: 43 Resp: 48769

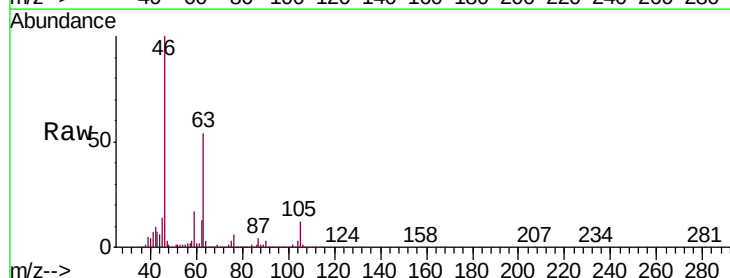
Ion Ratio Lower Upper

43 100

58 51.8 44.2 66.2

57 29.7 14.5 21.7#

100 2.0 9.5 14.3#

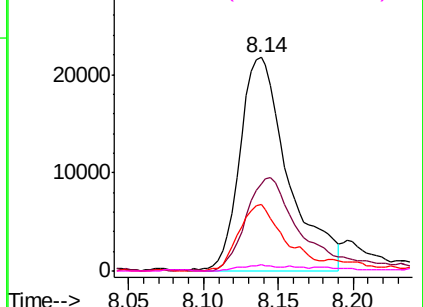
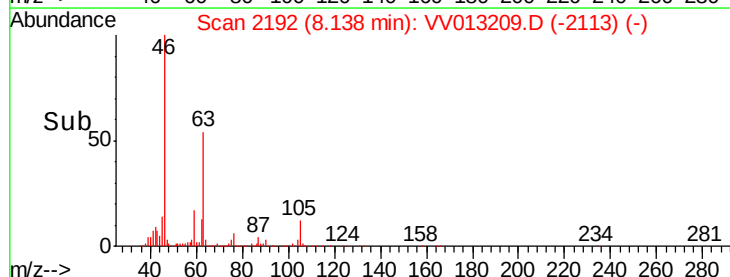


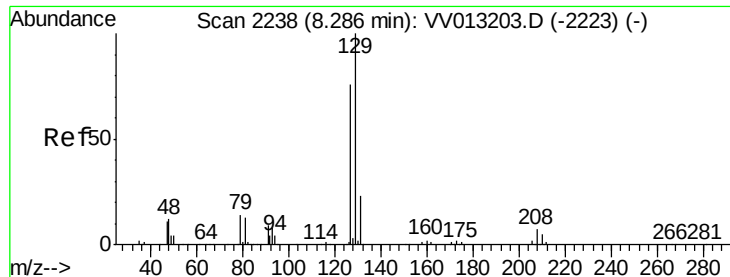
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 4.954 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.27 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Instrument :

MSVOA_V

ClientSampleId :

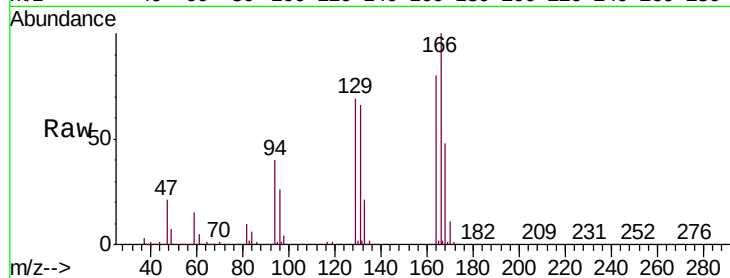
E0AA6MS

Tgt Ion:129 Resp: 192159

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

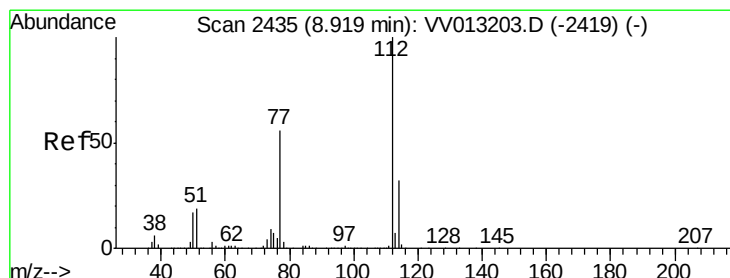
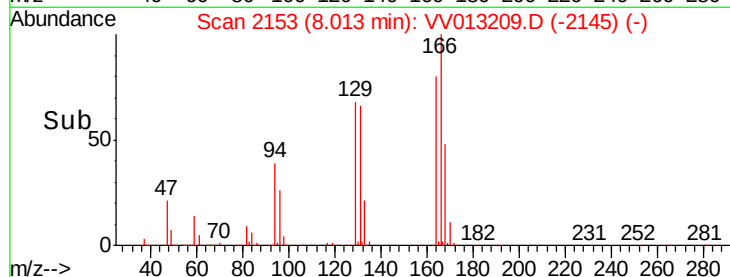
8.01

100000

50000

0

Time--> 7.95 8.00 8.05 8.10



#51

Chlorobenzene

Concen: 4.210 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

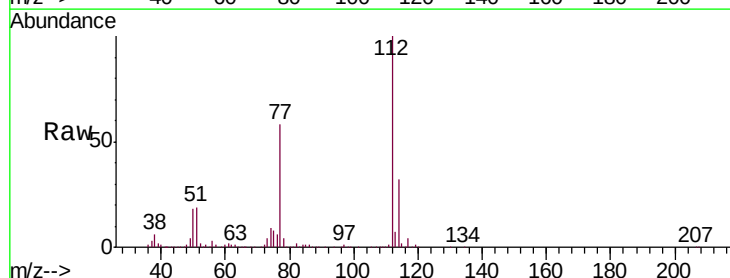
Tgt Ion:112 Resp: 532748

Ion Ratio Lower Upper

112 100

114 32.1 22.6 42.0

77 58.0 47.5 71.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

8.92

400000

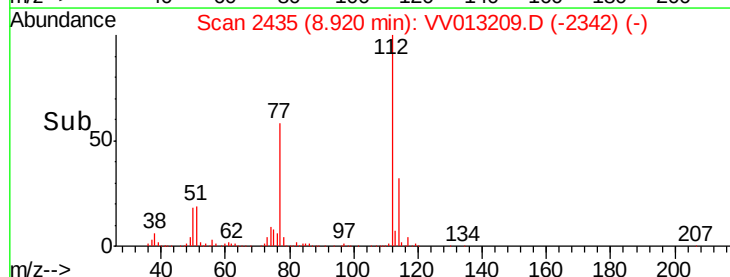
300000

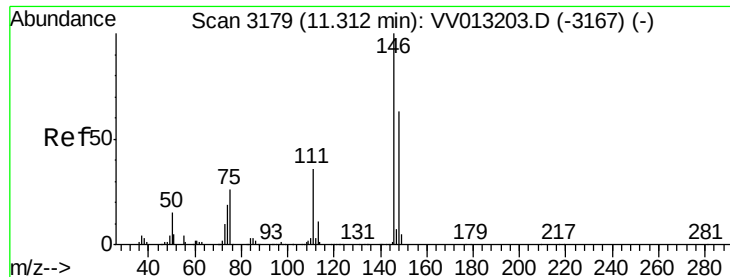
200000

100000

0

Time--> 8.85 8.90 8.95 9.00





#63

1,4-Dichlorobenzene

Concen: 0.052 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Instrument :

MSVOA_V

ClientSampleId :

E0AA6MS

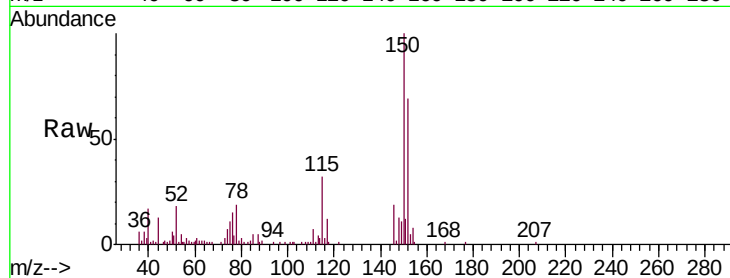
Tgt Ion:146 Resp: 4331

Ion Ratio Lower Upper

146 100

111 36.3 25.7 47.7

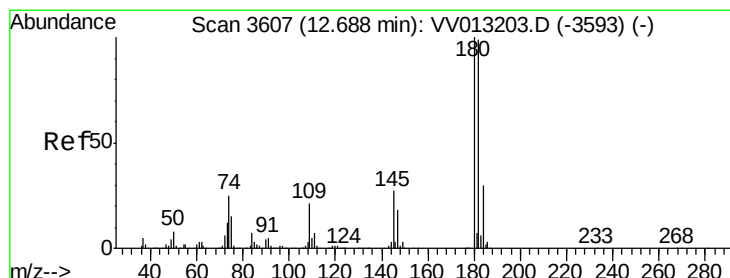
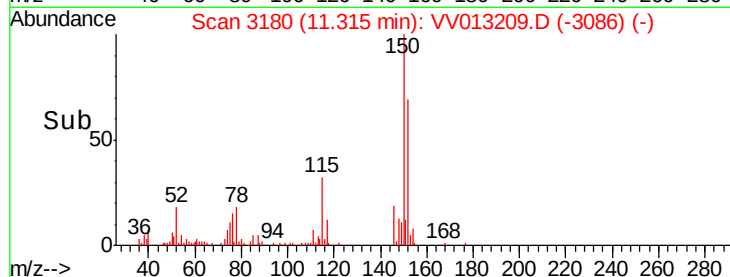
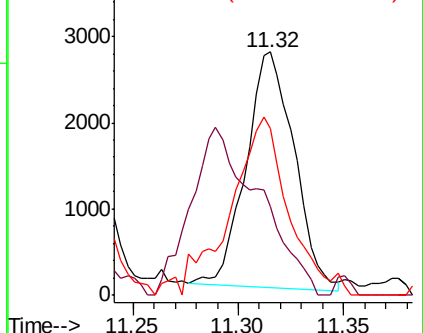
148 68.4 44.4 82.5



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: 0.057 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV013209.D

Acq: 18 Oct 2019 18:23

Tgt Ion:180 Resp: 3475

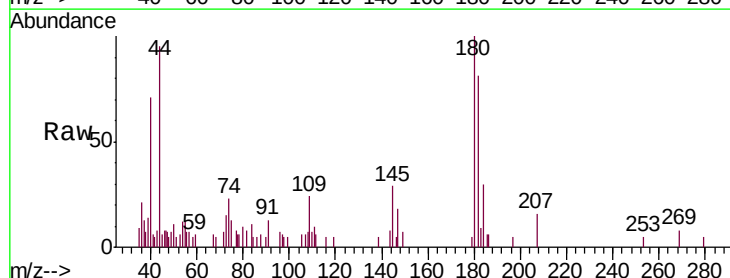
Ion Ratio Lower Upper

180 100

182 80.9 75.8 113.6

184 30.8 24.2 36.4

145 29.3 22.1 33.1



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

