

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122319\
 Data File : VV014167.D
 Acq On : 23 Dec 2019 19:07
 Operator : SY/MD
 Sample : K6404-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 24 01:37:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 01:34:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	351340	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	329550	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	153863	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127764	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.59	69	112522	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.13	63	170686	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	3.92	46	262733	55.25	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.50%
24) Chloroform-d	4.40	84	239137	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.08	65	121046	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.10	84	477313	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.12	67	148014	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.36	98	401740	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.66	79	52985	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.13	63	194060	52.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.64%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	96827	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	161453	5.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.20%

Target Compounds

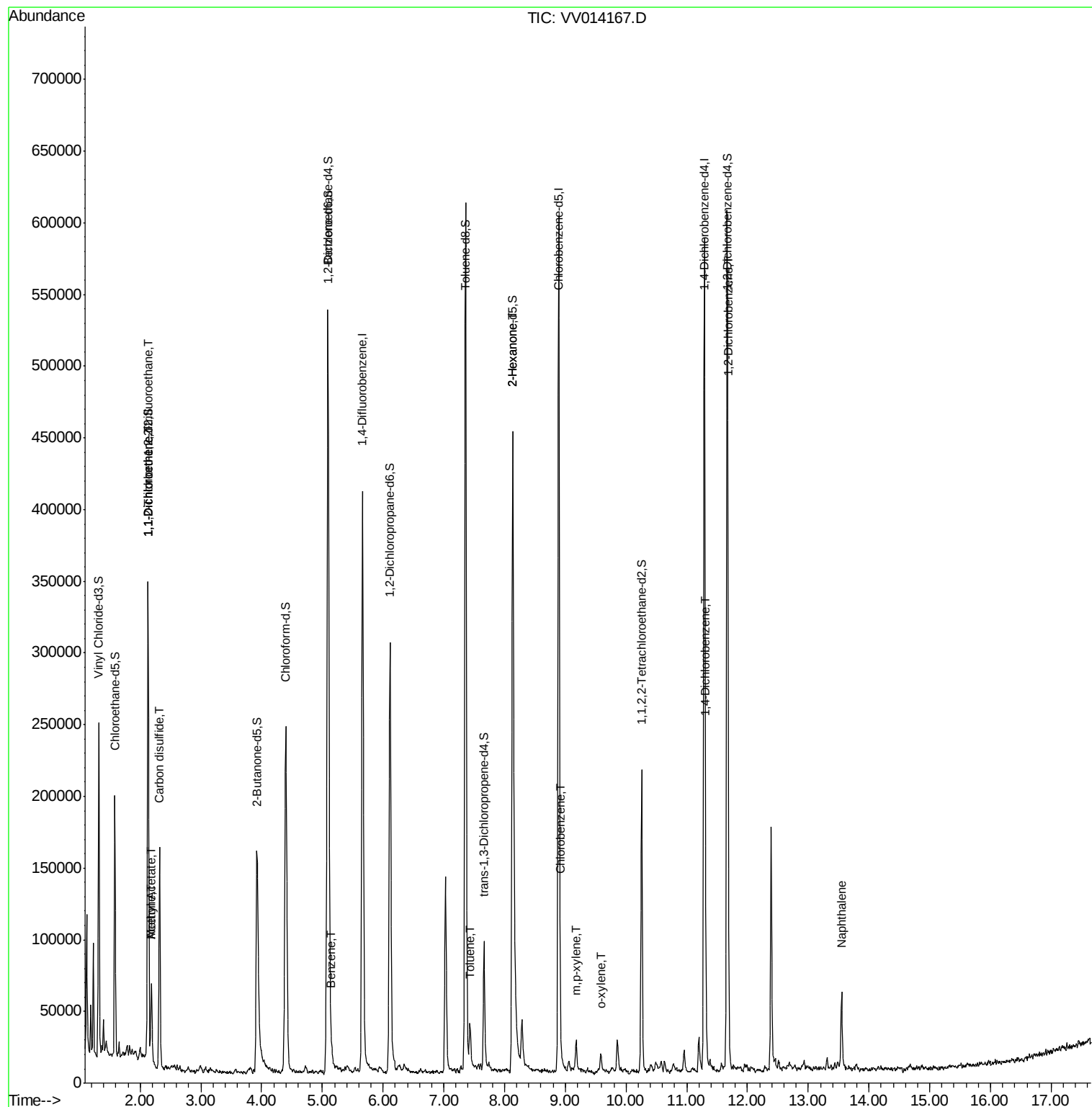
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1850	0.089	ug/L #	22
12) 1,1-Dichloroethene	2.13	96	1788	0.088	ug/L #	1
13) Acetone	2.19	43	57238	14.776	ug/L	97
14) Carbon disulfide	2.32	76	175251	2.603	ug/L	99
15) Methyl Acetate	2.19	43	48882	5.345	ug/L #	55
33) Benzene	5.15	78	9834	0.106	ug/L	100
42) Toluene	7.43	91	20920	0.215	ug/L	96
48) 2-Hexanone	8.13	43	22997	2.518	ug/L #	69
51) Chlorobenzene	8.92	112	4457	0.070	ug/L #	84
53) m,p-xylene	9.18	106	6347	0.162	ug/L	99
54) o-xylene	9.58	106	3674	0.100	ug/L	88
63) 1,4-Dichlorobenzene	11.31	146	19365	0.426	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	21949	0.525	ug/L	88
69) Naphthalene	13.55	128	44756	1.132	ug/L	100

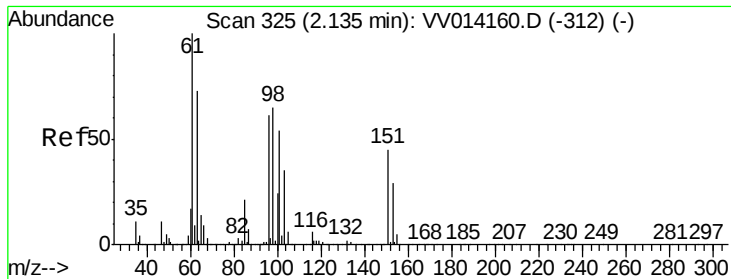
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 24 01:34:37 2019
Response via : Initial Calibration





#10

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

Concen: 0.089 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014167.D

Acq: 23 Dec 2019 19:07

Instrument :

MSVOA_V

ClientSampleId :

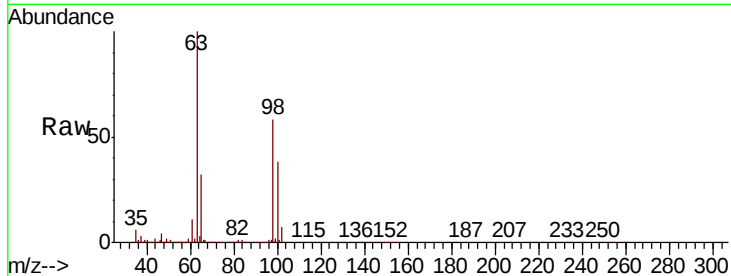
Tot Ion:101 Resp: 1850

Ion Ratio Lower Upper

101 100

85 8.3 34.7 52.1#

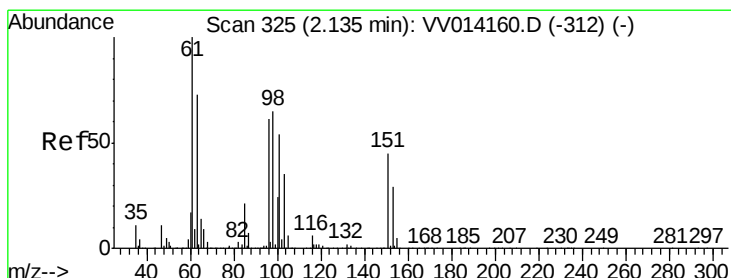
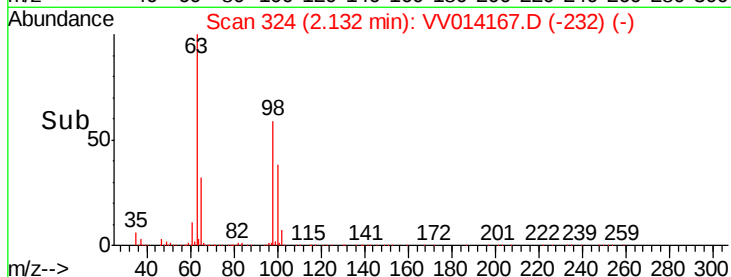
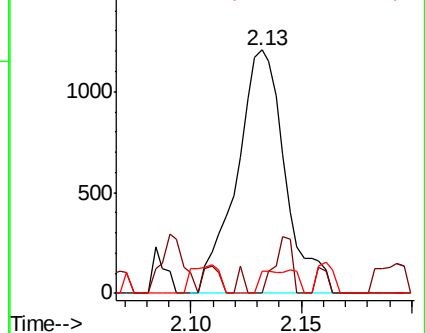
151 3.4 69.1 103.7#



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: 0.088 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014167.D

Acq: 23 Dec 2019 19:07

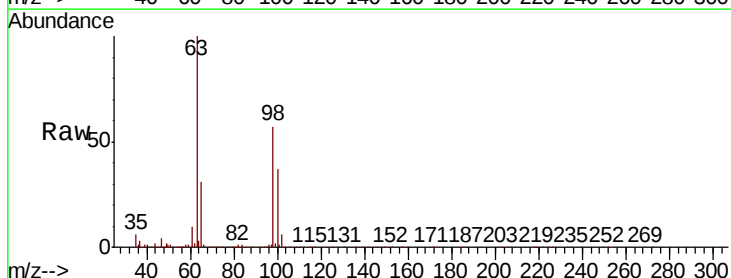
Tgt Ion: 96 Resp: 1788

Ion Ratio Lower Upper

96 100

61 1158.7 115.8 215.2#

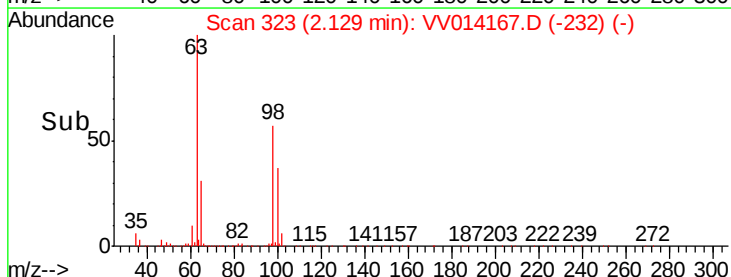
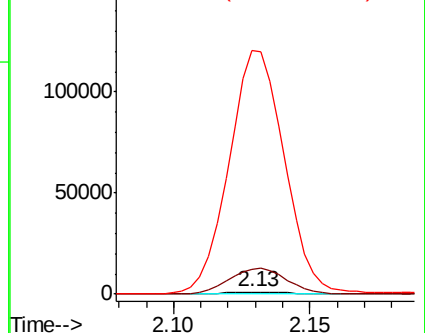
63 11261.3 79.9 148.3#

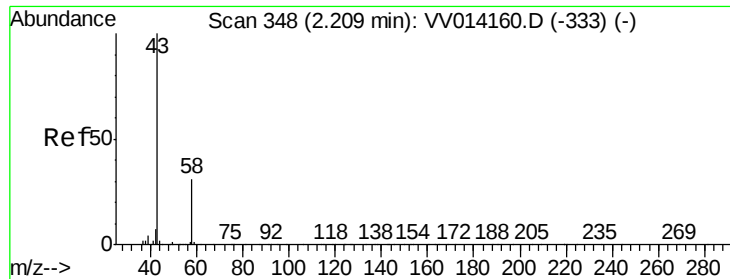


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 14.776 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV014167.D

Acq: 23 Dec 2019 19:07

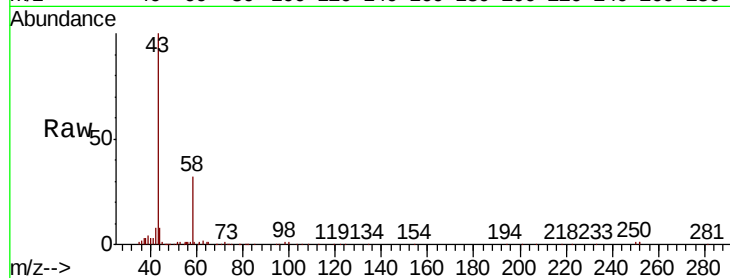
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 57238

Ion Ratio Lower Upper

43 100

58 31.1 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

40000

30000

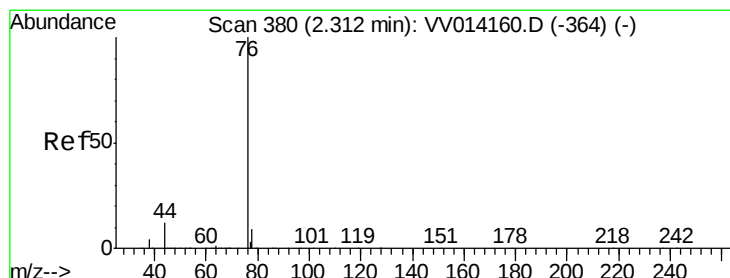
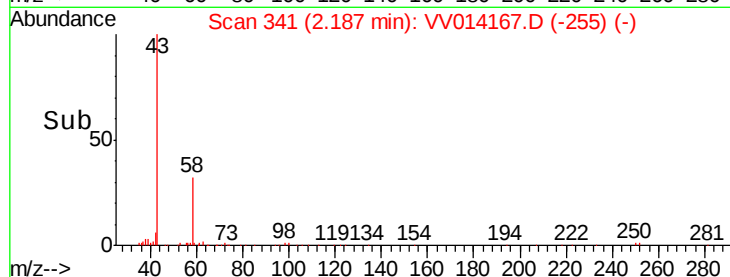
20000

10000

0

2.10 2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 2.603 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014167.D

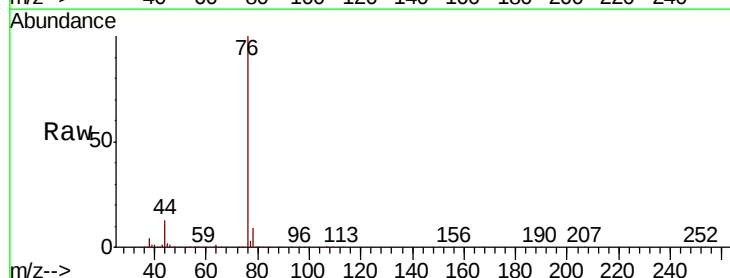
Acq: 23 Dec 2019 19:07

Tgt Ion: 76 Resp: 175251

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

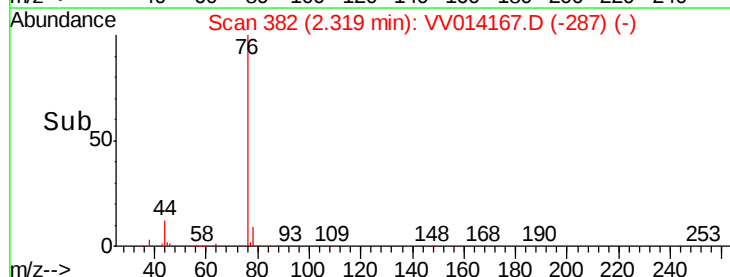
100000

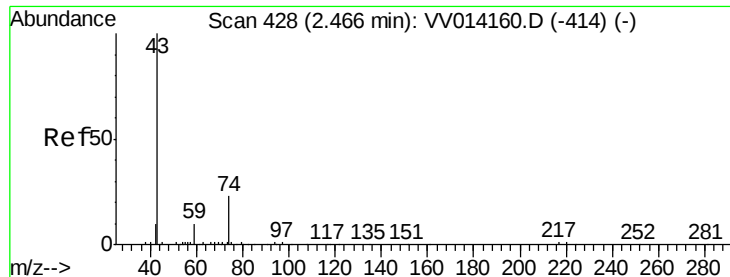
50000

0

2.25 2.30 2.35 2.40 2.45

Time-->

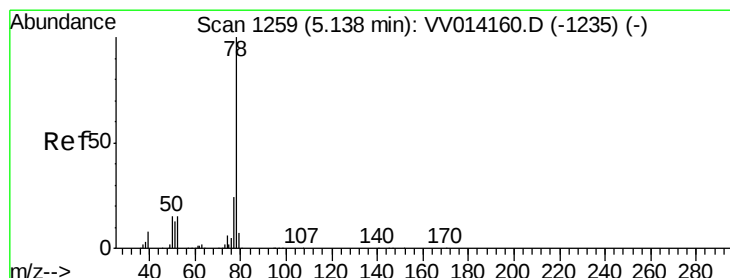
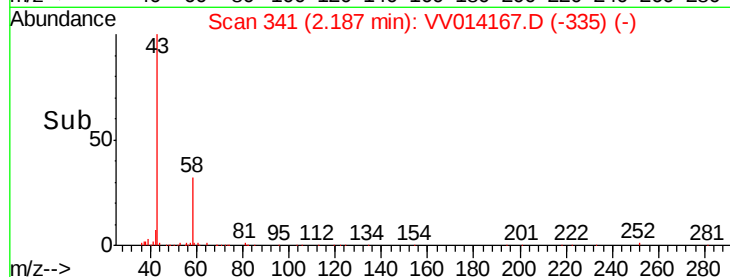
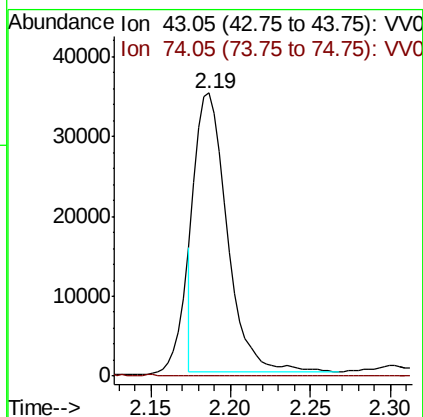
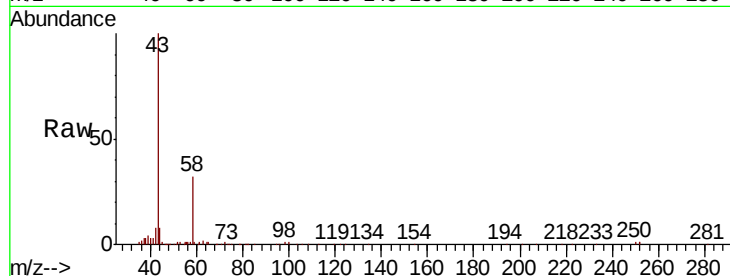




#15
Methvl Acetate
Concen: 5.345 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.28 min
Lab File: VV014167.D
Acq: 23 Dec 2019 19:07

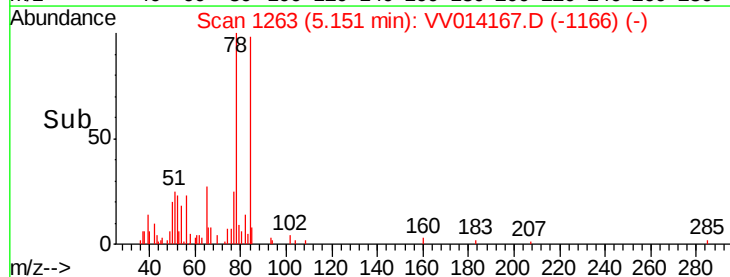
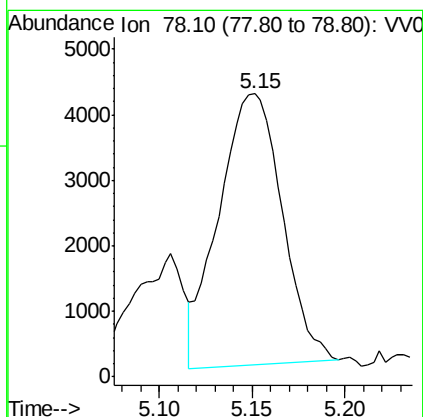
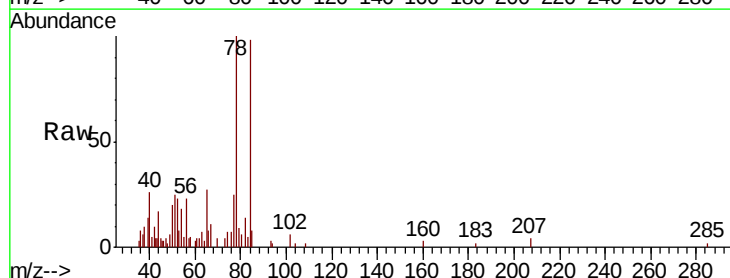
Instrument :
MSVOA_V
ClientSampleId :

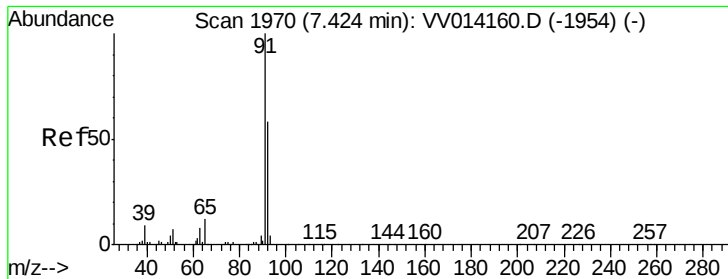
Tot Ion: 43 Resp: 48882
Ion Ratio Lower Upper
43 100
74 0.1 17.3 25.9#



#33
Benzene
Concen: 0.106 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VV014167.D
Acq: 23 Dec 2019 19:07

Tgt Ion: 78 Resp: 9834





#42

Toluene

Concen: 0.215 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV014167.D

Acq: 23 Dec 2019 19:07

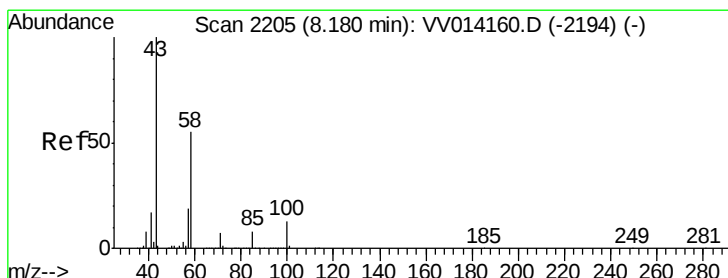
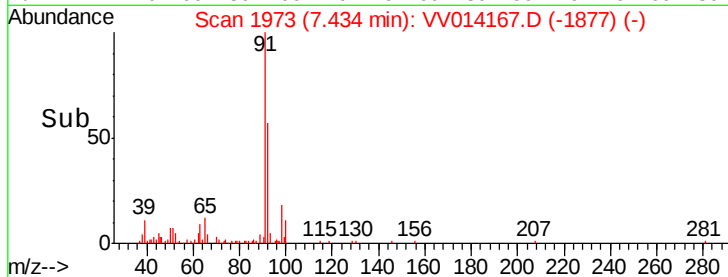
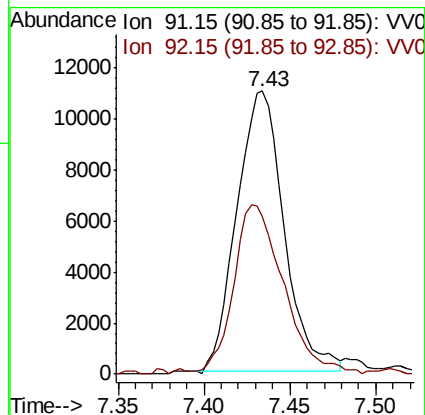
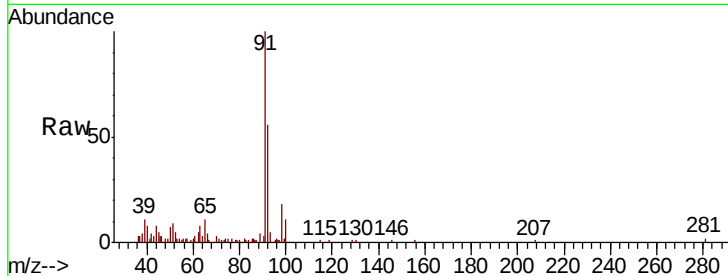
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 20920

Ion Ratio Lower Upper

91 100

92 55.8 41.2 76.6



#48

2-Hexanone

Concen: 2.518 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV014167.D

Acq: 23 Dec 2019 19:07

Tgt Ion: 43 Resp: 22997

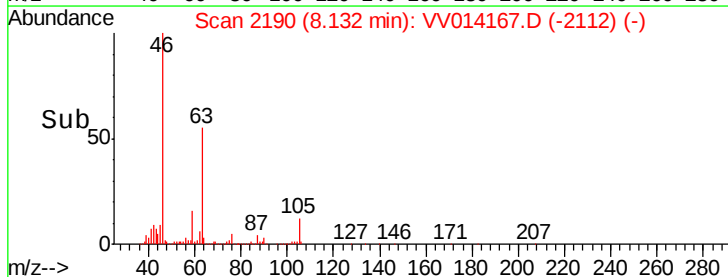
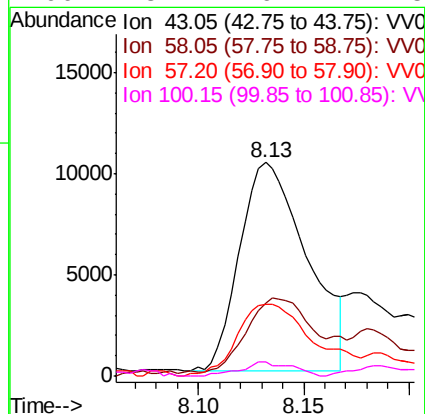
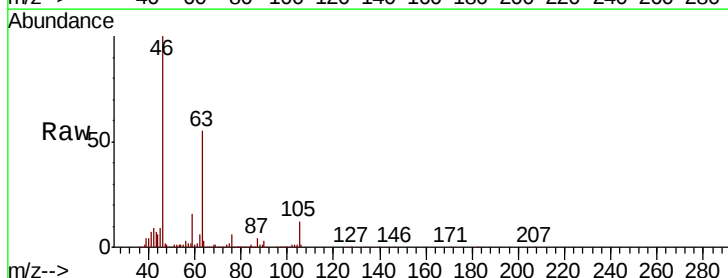
Ion Ratio Lower Upper

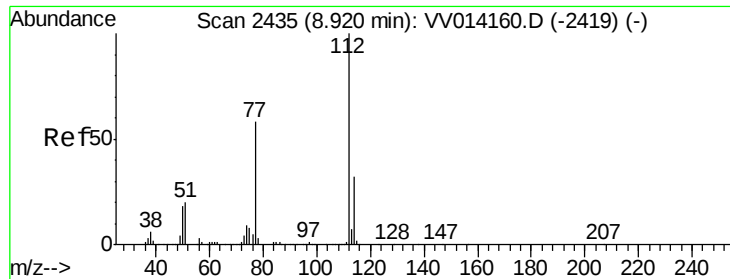
43 100

58 33.4 43.2 64.8#

57 39.0 14.8 22.2#

100 5.1 9.7 14.5#





#51

Chlorobenzene

Concen: 0.070 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV014167.D

Acq: 23 Dec 2019 19:07

Instrument :

MSVOA_V

ClientSampled :

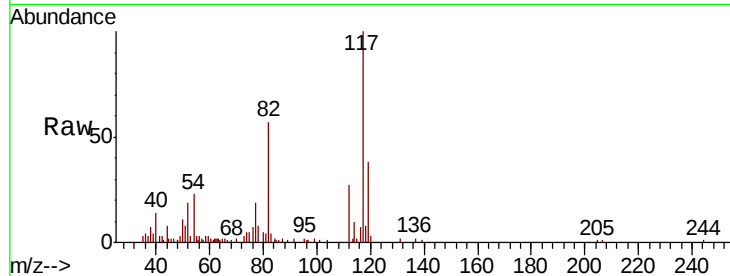
Tot Ion:112 Resp: 4457

Ion Ratio Lower Upper

112 100

114 36.2 22.3 41.5

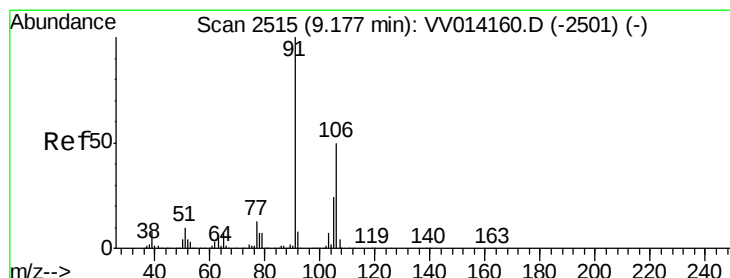
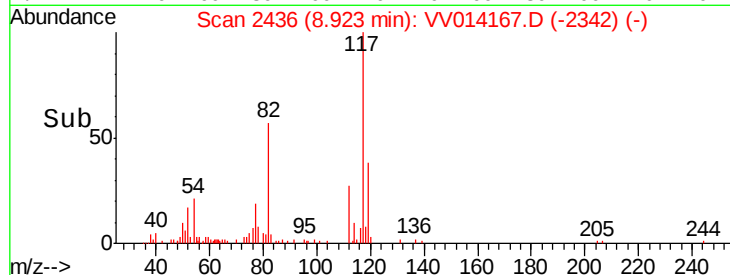
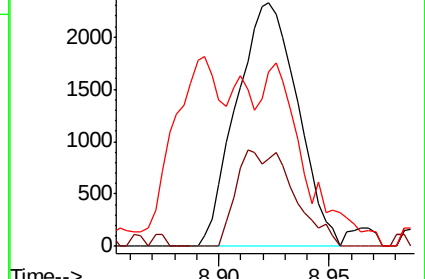
77 71.8 45.1 67.7#



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



#53

m,p-xylene

Concen: 0.162 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014167.D

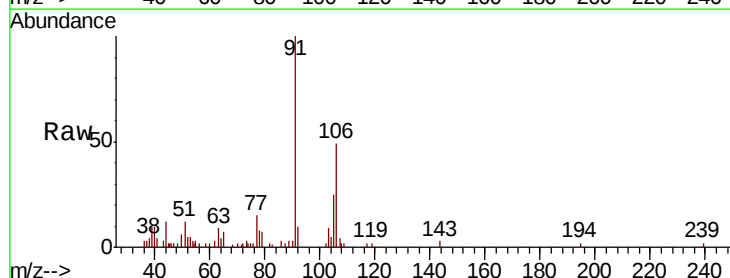
Acq: 23 Dec 2019 19:07

Tgt Ion:106 Resp: 6347

Ion Ratio Lower Upper

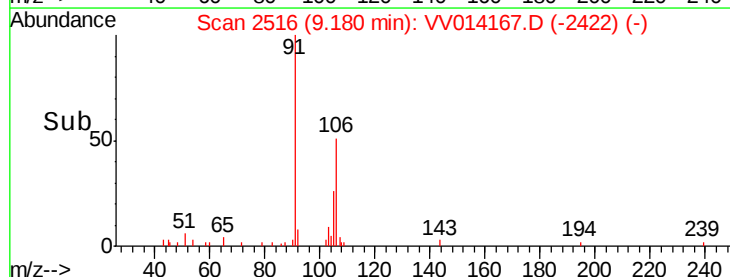
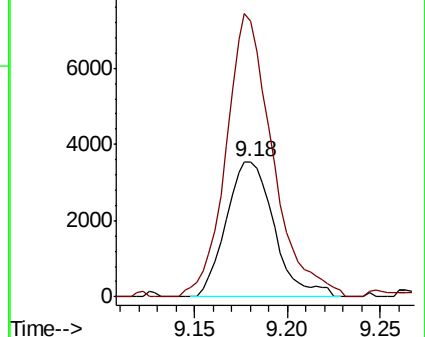
106 100

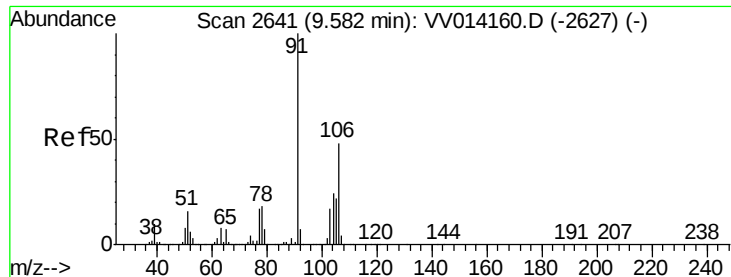
91 203.6 141.1 262.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 0.100 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014167.D

Acq: 23 Dec 2019 19:07

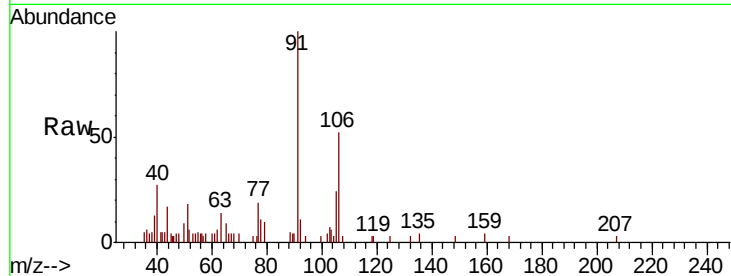
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 3674

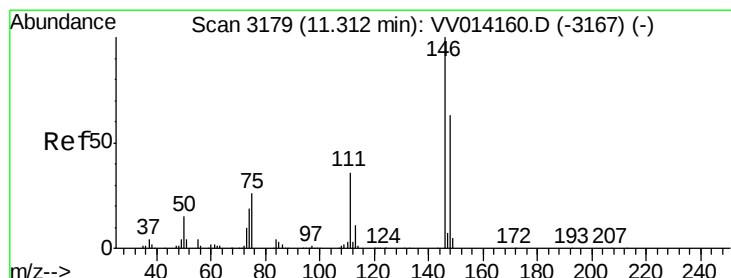
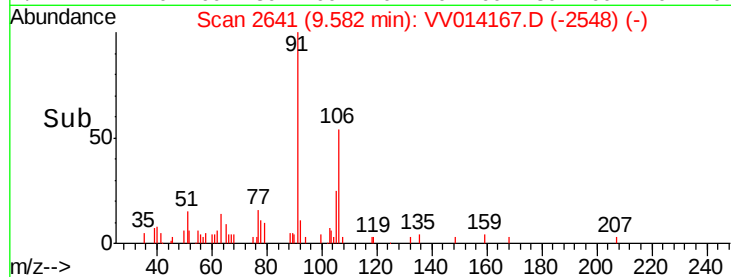
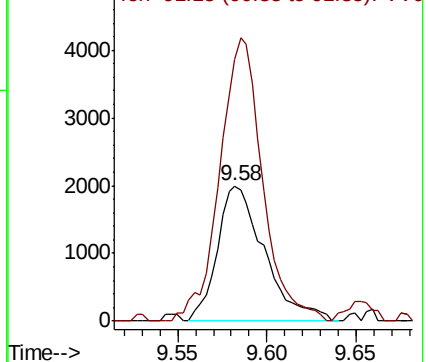
Ion Ratio Lower Upper

106 100

91 193.4 149.0 276.8



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#63

1,4-Dichlorobenzene

Concen: 0.426 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV014167.D

Acq: 23 Dec 2019 19:07

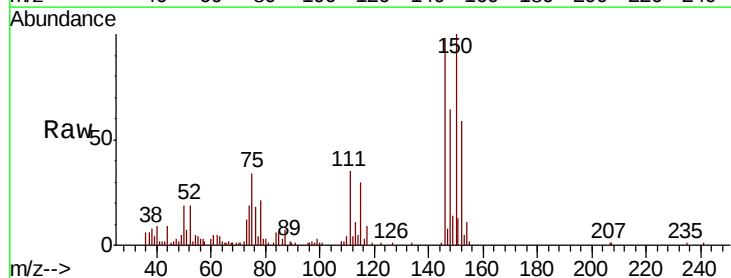
Tgt Ion:146 Resp: 19365

Ion Ratio Lower Upper

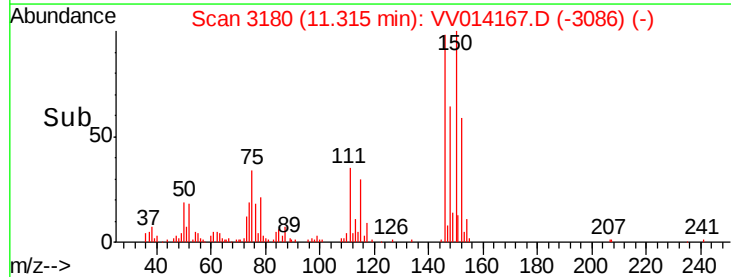
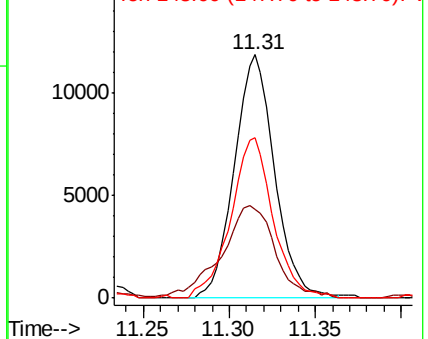
146 100

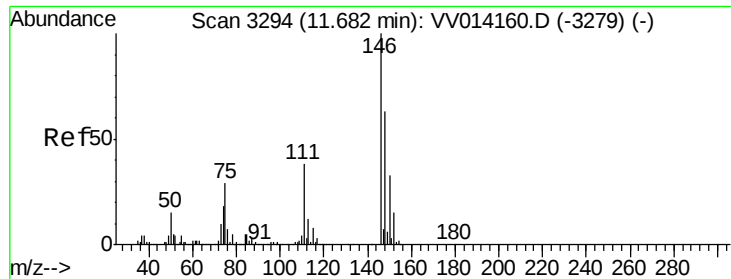
111 36.4 25.7 47.7

148 65.7 45.1 83.7



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

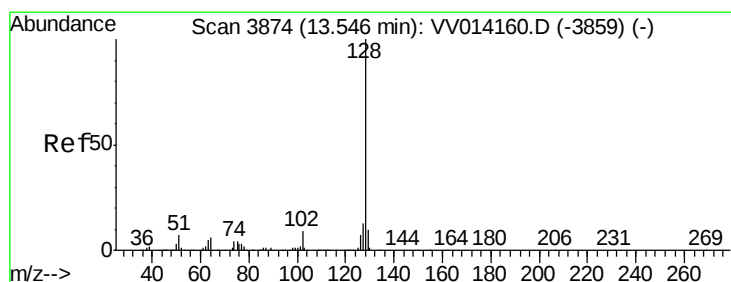
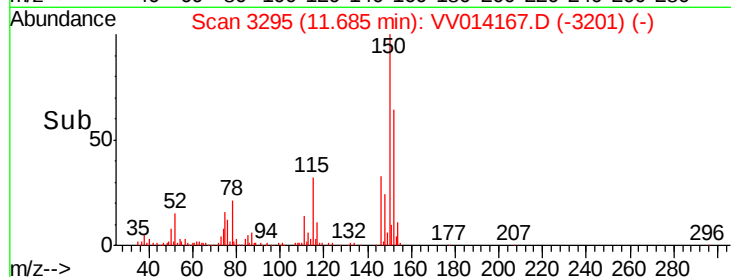
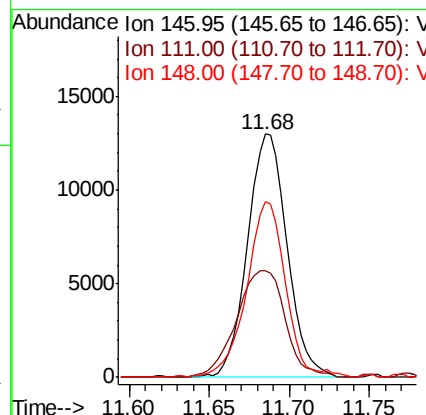
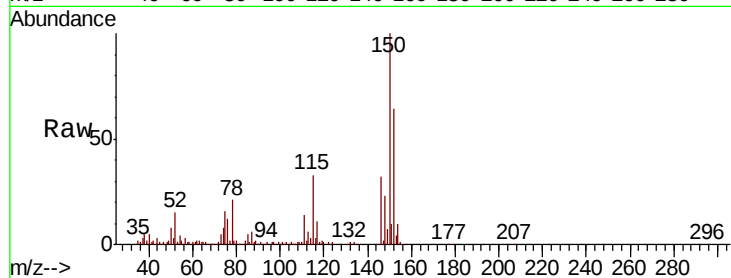




#65
 1,2-Dichlorobenzene
 Concen: 0.525 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014167.D
 Acq: 23 Dec 2019 19:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	30.7	46.1
148	72.4	49.4	74.2



#69
 Naphthalene
 Concen: 1.132 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV014167.D
 Acq: 23 Dec 2019 19:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.3	10.8	16.2

