

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122319\
 Data File : VV014168.D
 Acq On : 23 Dec 2019 19:31
 Operator : SY/MD
 Sample : K6404-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 24 01:37:48 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	338830	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	336271	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	151863	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	125227	5.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.00%
7) Chloroethane-d5	1.58	69	109047	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.13	63	163624	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	3.92	46	250437	54.61	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.22%
24) Chloroform-d	4.40	84	238290	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.08	65	116035	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.10	84	462030	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.11	67	140202	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.36	98	381748	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.66	79	47594	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.13	63	186835	49.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.74%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	102261	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	167002	6.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.80%#

Target Compounds

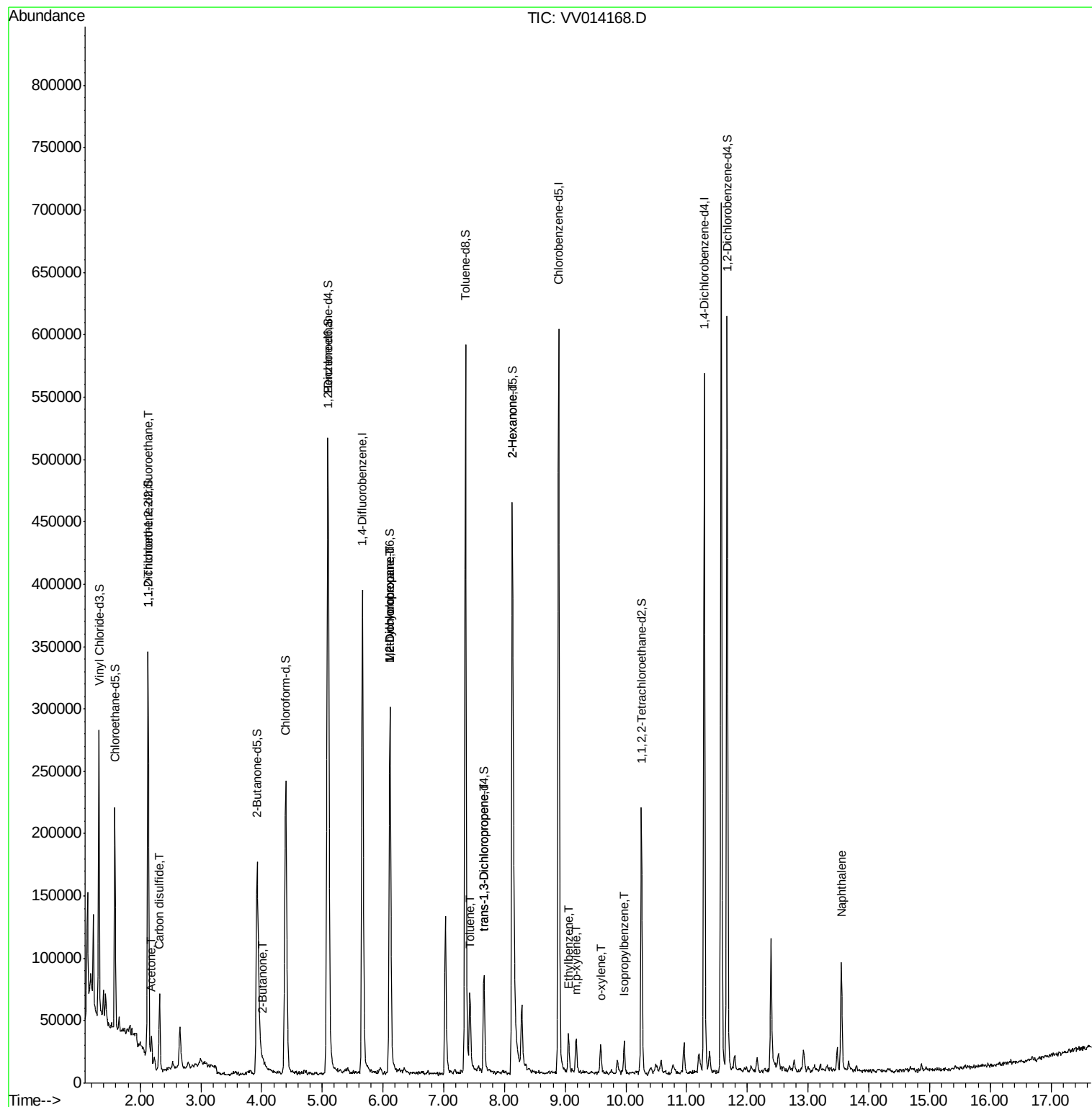
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2066	0.103	ug/L #	19
13) Acetone	2.19	43	20336	5.444	ug/L	94
14) Carbon disulfide	2.32	76	67724	1.043	ug/L	99
21) 2-Butanone	4.03	43	4668	0.912	ug/L	97
35) Methylcyclohexane	6.11	83	35331	0.953	ug/L #	17
37) 1,2-Dichloropropane	6.11	63	15355	0.656	ug/L #	89
42) Toluene	7.43	91	44459	0.448	ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	2096	0.081	ug/L	86
48) 2-Hexanone	8.13	43	23535	2.526	ug/L #	72
52) Ethylbenzene	9.05	91	22659	0.219	ug/L	99
53) m,p-xylene	9.18	106	7558	0.189	ug/L	84
54) o-xylene	9.58	106	6540	0.174	ug/L	87
56) Isopropylbenzene	9.97	105	14342	0.144	ug/L #	92
69) Naphthalene	13.55	128	69074	1.770	ug/L	97

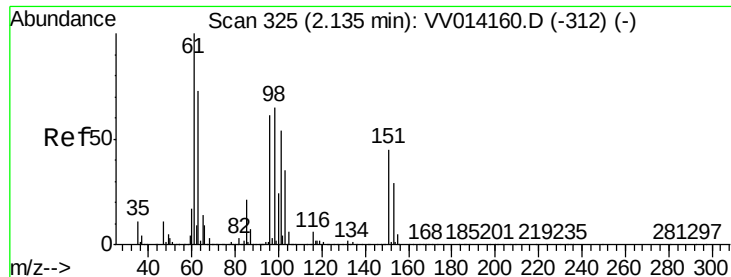
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.103 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014168.D

Acq: 23 Dec 2019 19:31

Instrument :

MSVOA_V

ClientSampleId :

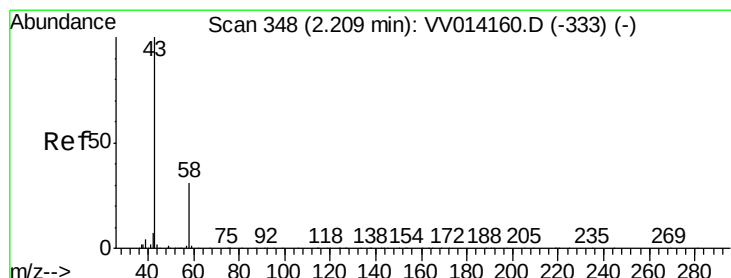
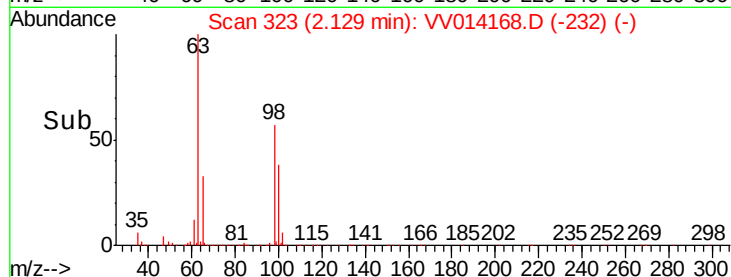
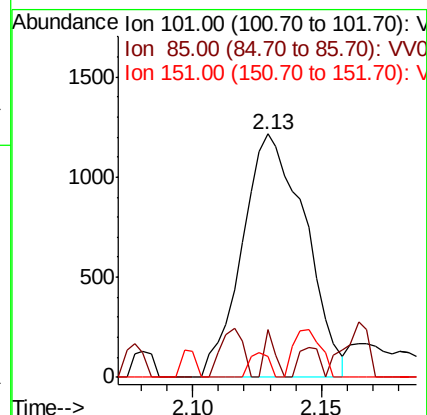
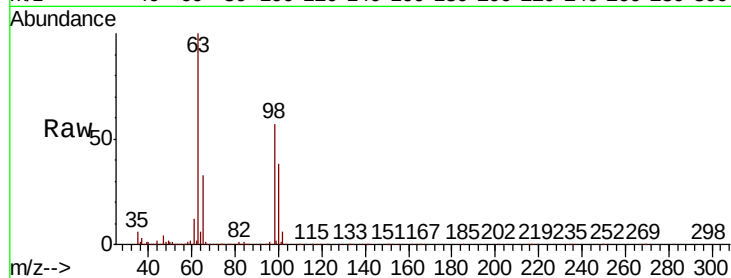
Tot Ion:101 Resp: 2066

Ion Ratio Lower Upper

101 100

85 3.3 34.7 52.1#

151 3.1 69.1 103.7#



#13

Acetone

Concen: 5.444 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV014168.D

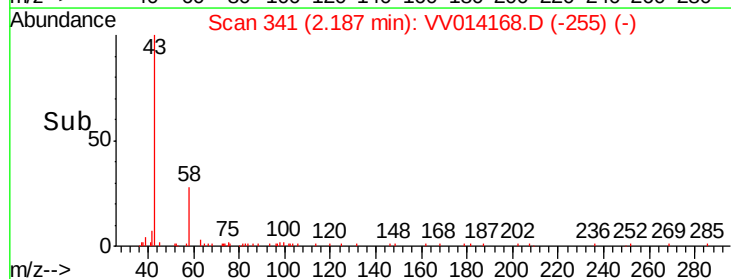
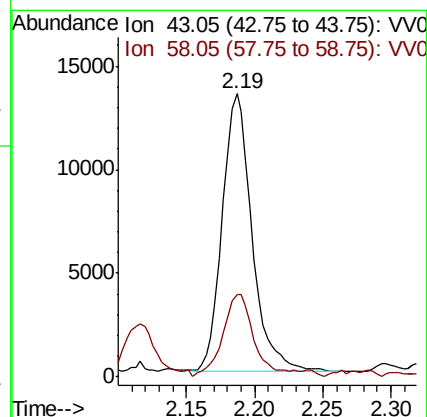
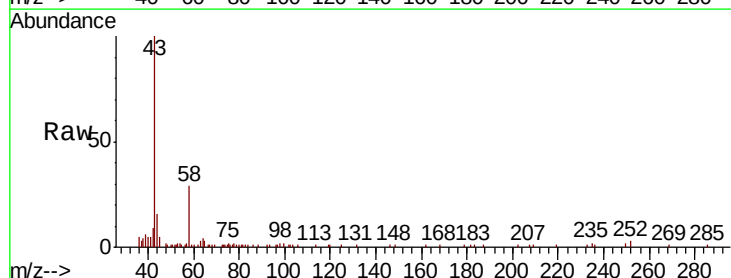
Acq: 23 Dec 2019 19:31

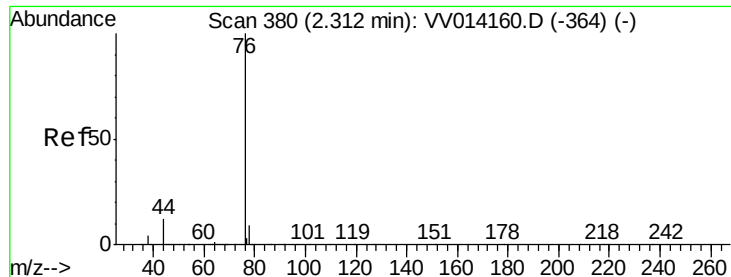
Tgt Ion: 43 Resp: 20336

Ion Ratio Lower Upper

43 100

58 32.8 0.0 58.8





#14

Carbon disulfide

Concen: 1.043 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014168.D

Acq: 23 Dec 2019 19:31

Instrument :

MSVOA_V

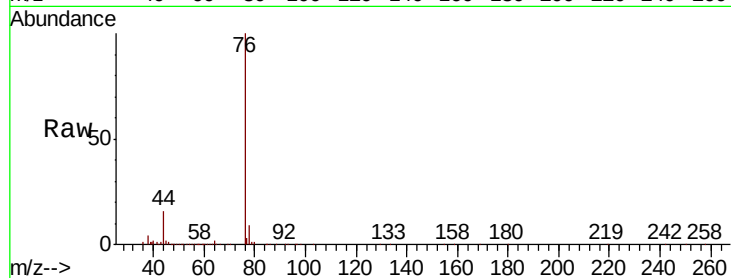
ClientSampleId :

Tot Ion: 76 Resp: 67724

Ion Ratio Lower Upper

76 100

78 8.5 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

50000

40000

30000

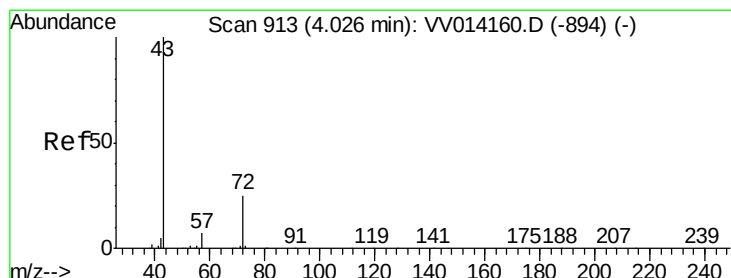
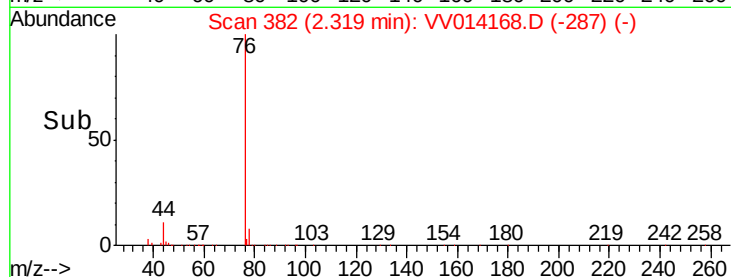
20000

10000

0

Time-->

2.25 2.30 2.35



#21

2-Butanone

Concen: 0.912 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV014168.D

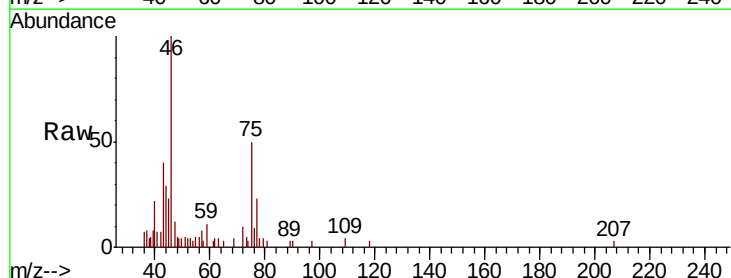
Acq: 23 Dec 2019 19:31

Tgt Ion: 43 Resp: 4668

Ion Ratio Lower Upper

43 100

72 23.2 12.4 37.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0

1500

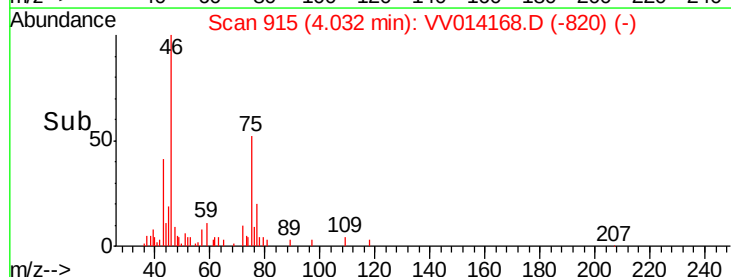
1000

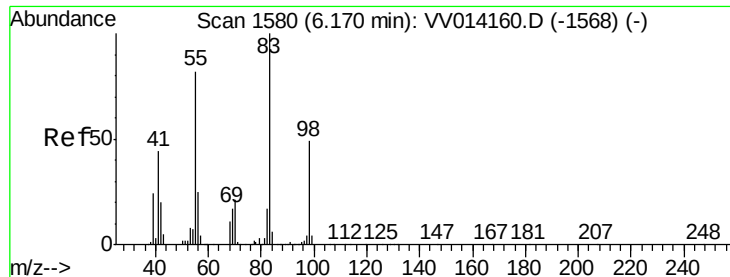
500

0

Time-->

3.95 4.00 4.05 4.10





#35

Methvlcvclohexane

Concen: 0.953 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV014168.D

Acq: 23 Dec 2019 19:31

Instrument :

MSVOA_V

ClientSampleId :

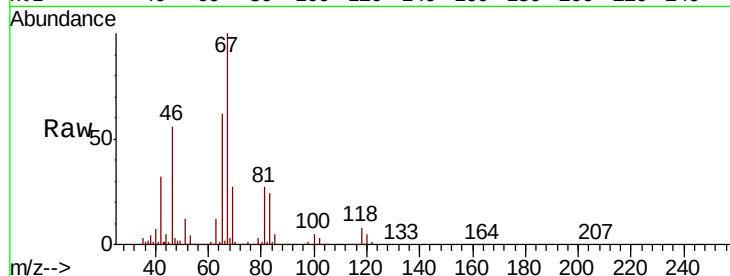
Tot Ion: 83 Resp: 35331

Ion Ratio Lower Upper

83 100

55 0.0 65.3 97.9#

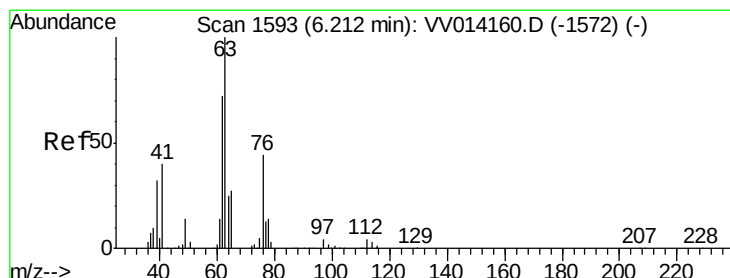
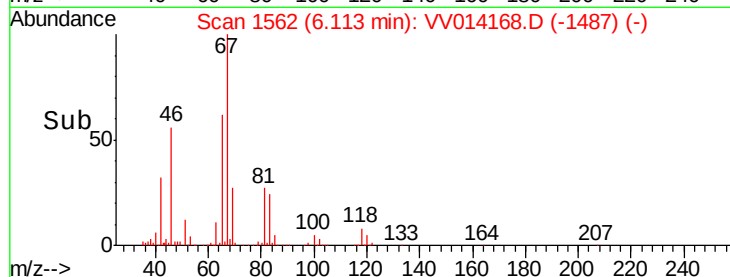
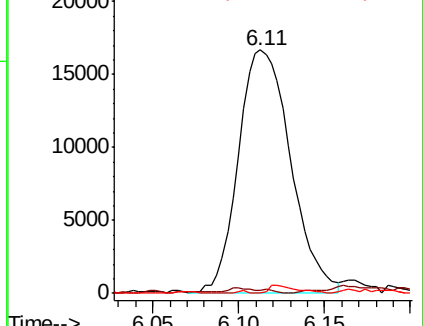
98 1.7 39.2 58.8#



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: 0.656 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV014168.D

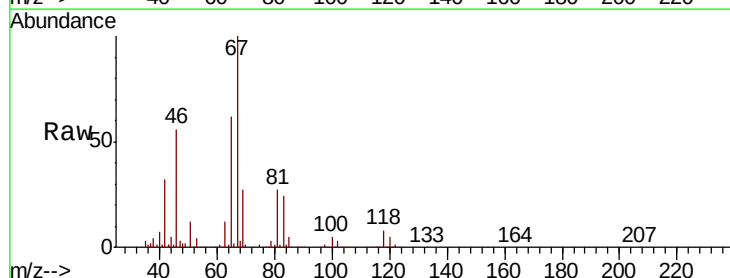
Acq: 23 Dec 2019 19:31

Tgt Ion: 63 Resp: 15355

Ion Ratio Lower Upper

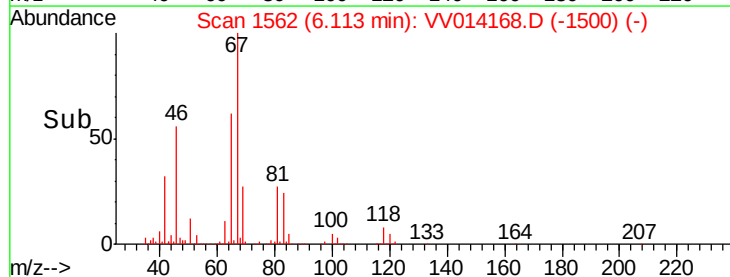
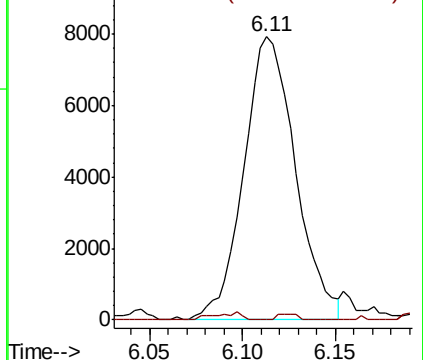
63 100

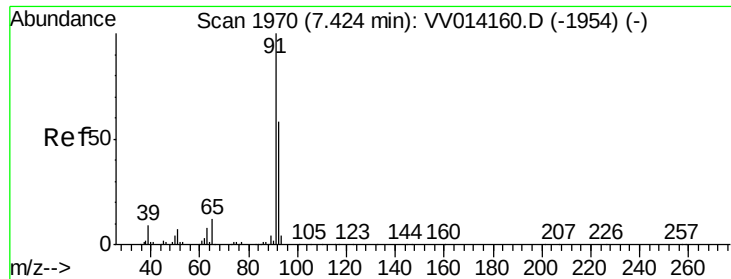
112 1.4 4.0 6.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.448 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014168.D

Acq: 23 Dec 2019 19:31

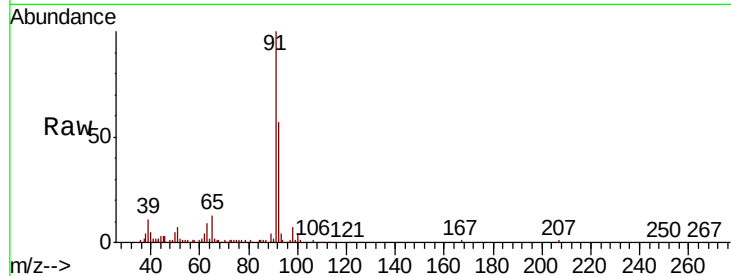
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 44459

Ion Ratio Lower Upper

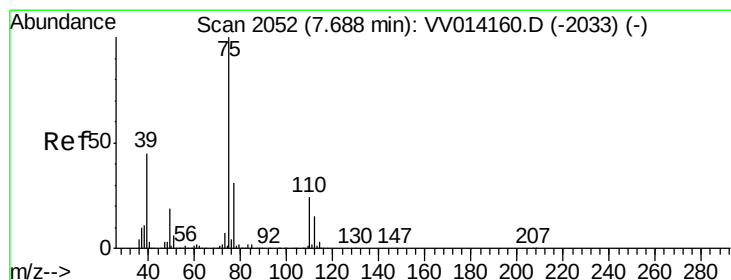
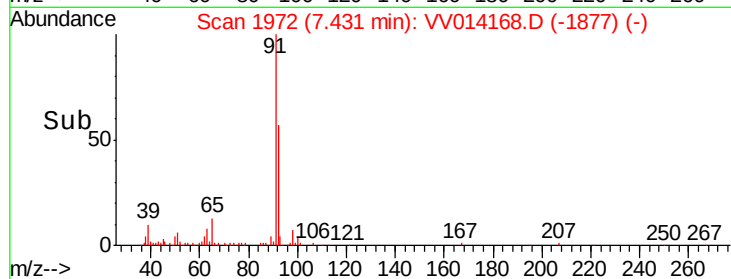
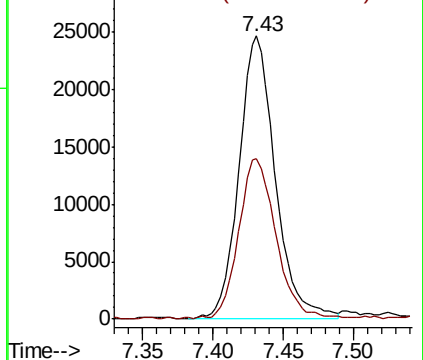
91 100

92 56.8 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV014168.D

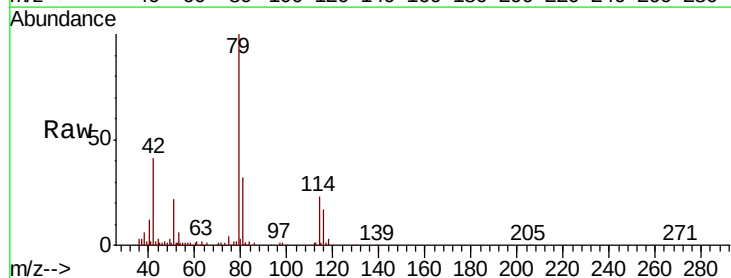
Acq: 23 Dec 2019 19:31

Tgt Ion: 75 Resp: 2096

Ion Ratio Lower Upper

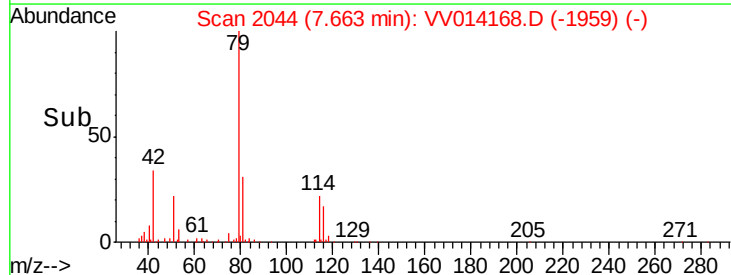
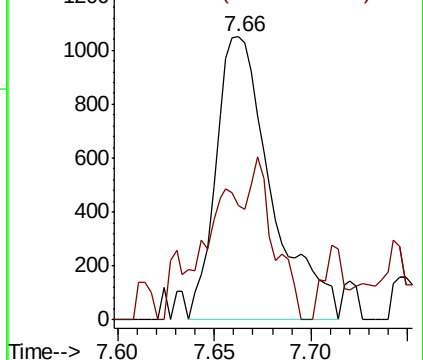
75 100

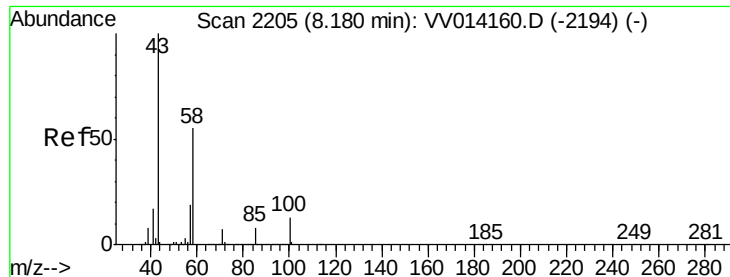
77 40.5 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

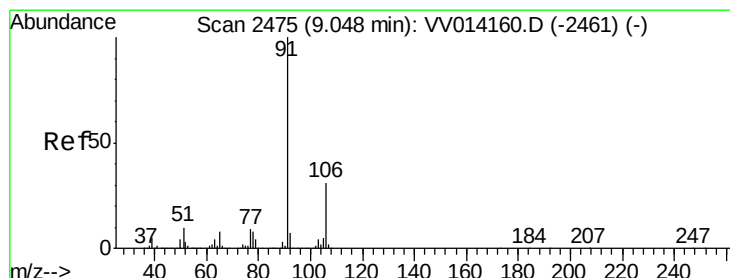
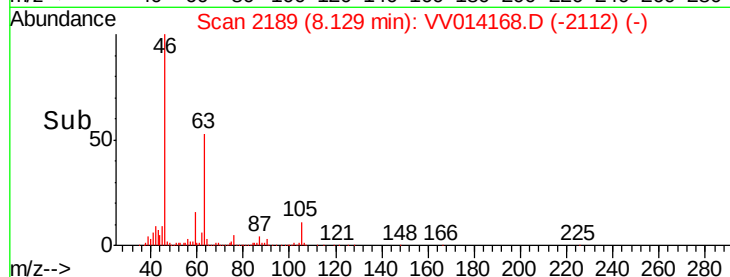
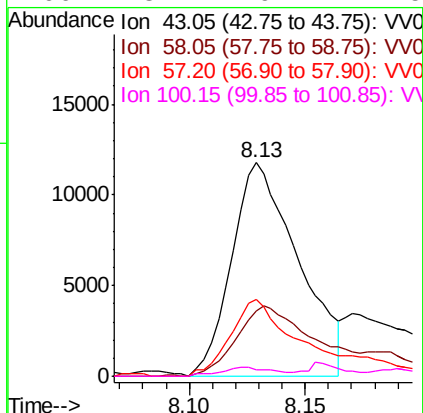
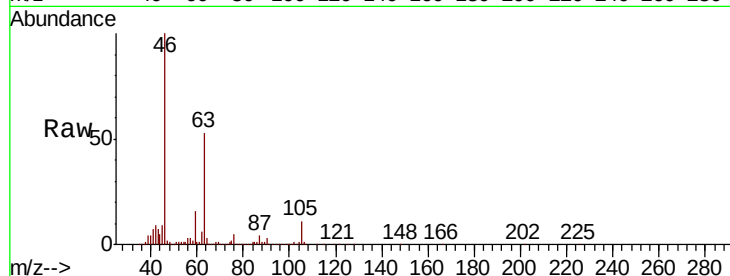




#48
2-Hexanone
Concen: 2.526 ug/L
RT: 8.13 min Scan# 2189
Delta R.T. -0.05 min
Lab File: VV014168.D
Acq: 23 Dec 2019 19:31

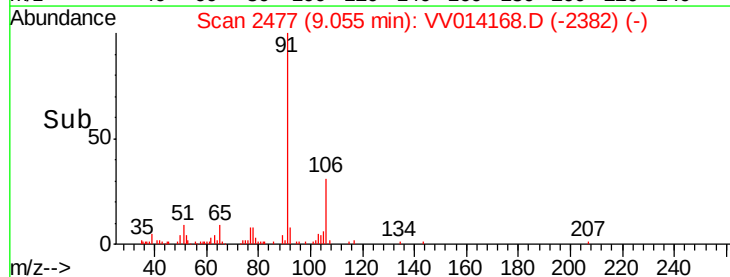
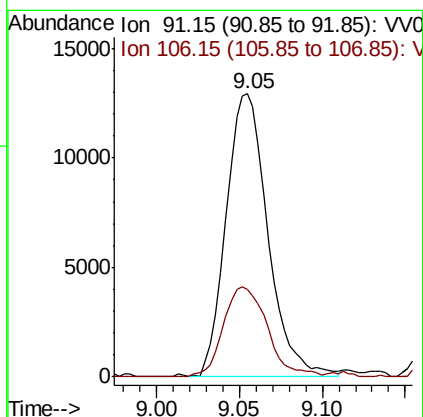
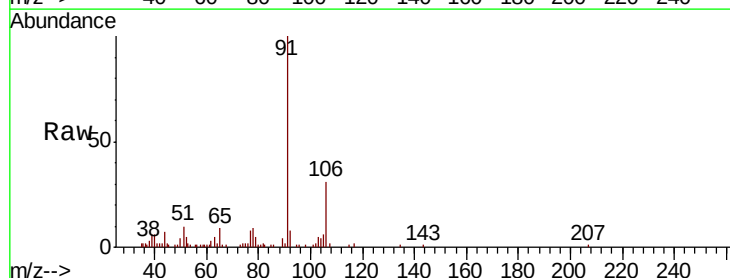
Instrument :
MSVOA_V
ClientSampleId :

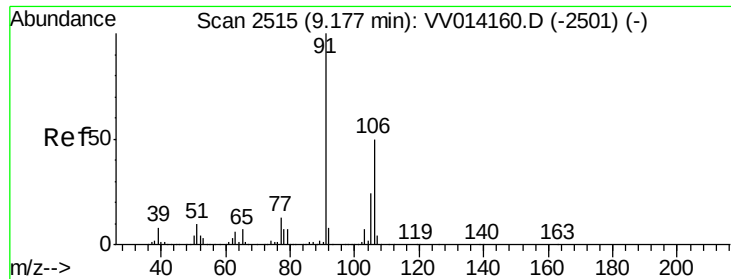
Tot Ion:	43	Resp:	23535
Ion	Ratio	Lower	Upper
43	100		
58	38.7	43.2	64.8#
57	41.1	14.8	22.2#
100	3.1	9.7	14.5#



#52
Ethylbenzene
Concen: 0.219 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.01 min
Lab File: VV014168.D
Acq: 23 Dec 2019 19:31

Tgt Ion:	91	Resp:	22659
Ion	Ratio	Lower	Upper
91	100		
106	30.8	22.0	41.0





#53

m,p-xylene

Concen: 0.189 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014168.D

Acq: 23 Dec 2019 19:31

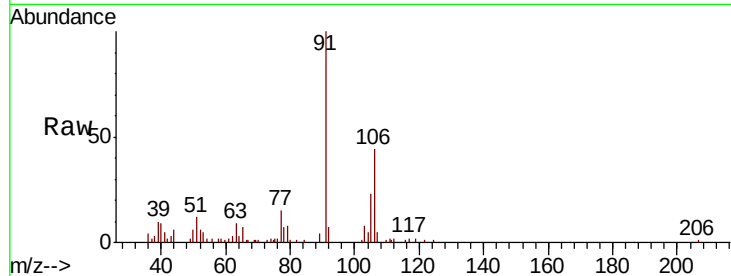
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 7558

Ion Ratio Lower Upper

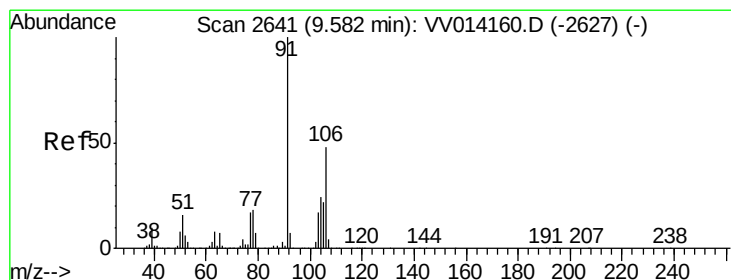
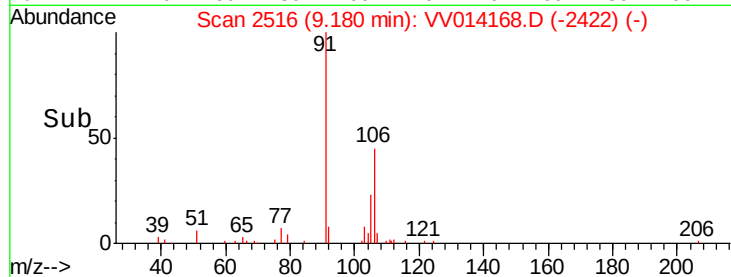
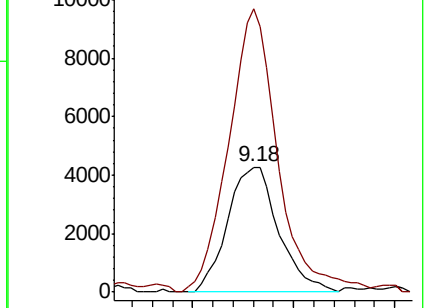
106 100

91 226.1 141.1 262.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.174 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014168.D

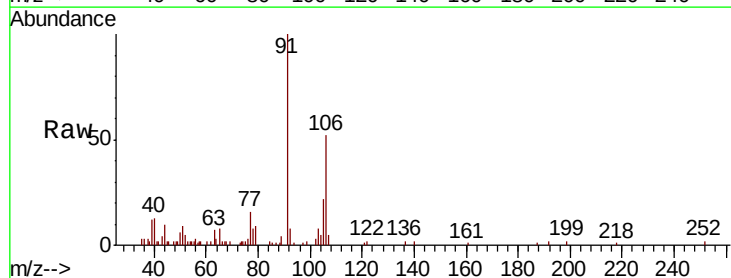
Acq: 23 Dec 2019 19:31

Tgt Ion:106 Resp: 6540

Ion Ratio Lower Upper

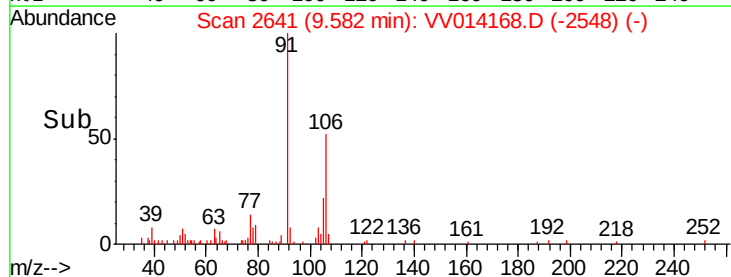
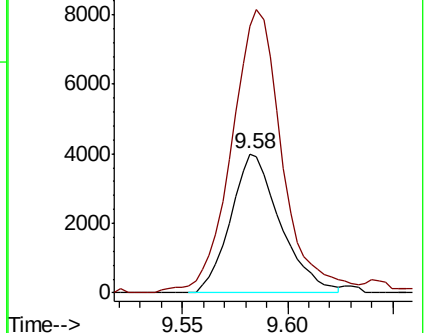
106 100

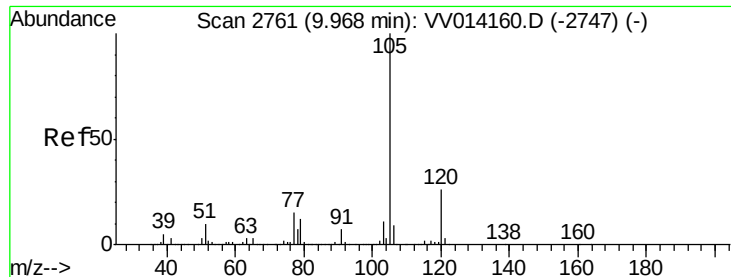
91 192.1 149.0 276.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#56

Isopropylbenzene

Concen: 0.144 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014168.D

Acq: 23 Dec 2019 19:31

Instrument :

MSVOA_V

ClientSampleId :

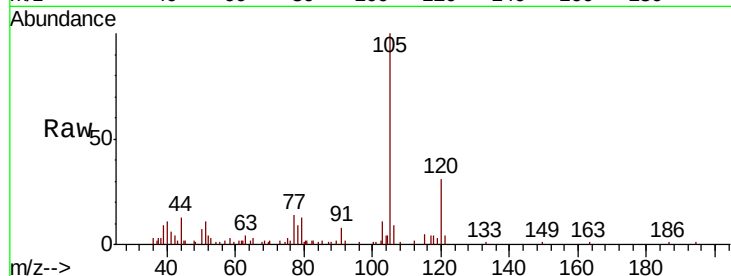
Tot Ion:105 Resp: 14342

Ion Ratio Lower Upper

105 100

120 30.0 21.1 31.7

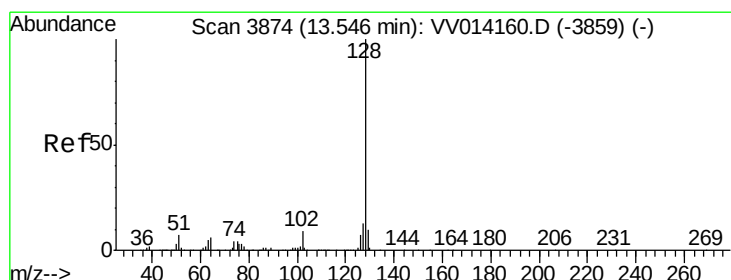
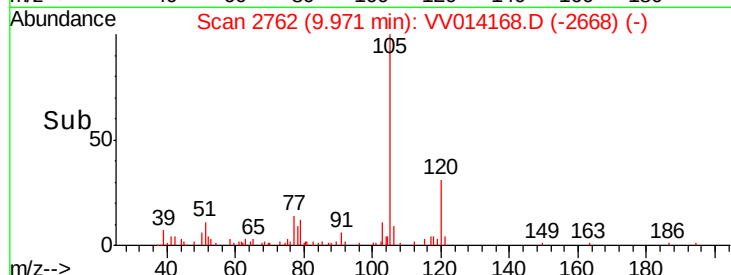
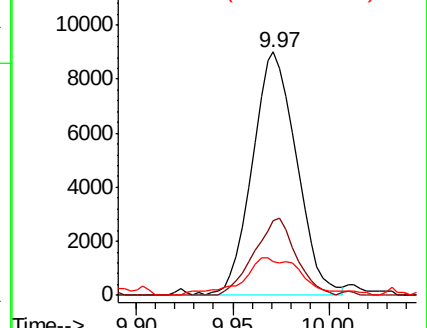
77 20.0 12.4 18.6#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#69

Naphthalene

Concen: 1.770 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014168.D

Acq: 23 Dec 2019 19:31

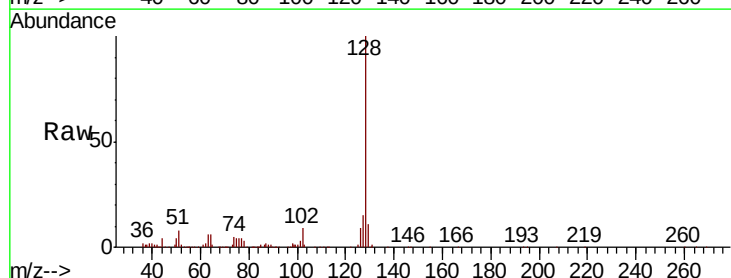
Tgt Ion:128 Resp: 69074

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

127 15.2 10.8 16.2



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

