

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013693.D
 Acq On : 20 Nov 2019 17:09
 Operator : SY/MD
 Sample : K5911-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:54:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 21 00:51:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	312294	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	301488	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	136139	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	134427	6.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	139.40%#
7) Chloroethane-d5	1.58	69	119554	6.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	138.80%#
11) 1,1-Dichloroethene-d2	2.13	63	183416	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.00%
20) 2-Butanone-d5	3.96	46	290067	65.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.04%#
24) Chloroform-d	4.40	84	267927	6.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	125.60%#
26) 1,2-Dichloroethane-d4	5.08	65	133439	6.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	130.20%#
32) Benzene-d6	5.09	84	535540	6.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.40%#
36) 1,2-Dichloropropane-d6	6.11	67	160638	6.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	129.40%
41) Toluene-d8	7.36	98	470817	6.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.60%
43) trans-1,3-Dichloropropene-	7.66	79	54170	5.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.40%
46) 2-Hexanone-d5	8.14	63	205061	56.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	107005	5.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	180386	6.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	137.80%#

Target Compounds

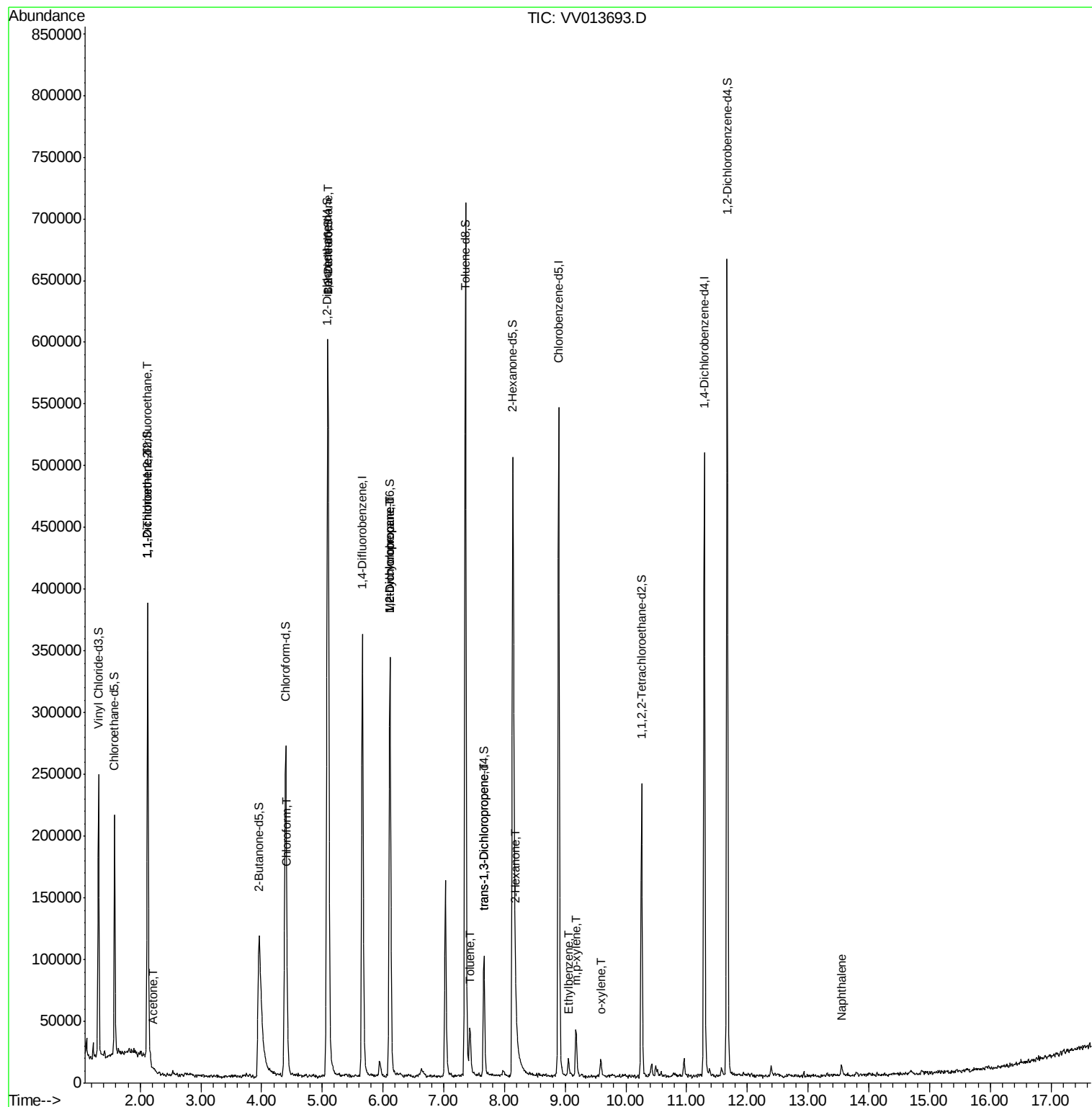
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2227	0.116	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	2254	0.121	ug/L #	1
13) Acetone	2.22	43	4976	1.768	ug/L	93
25) Chloroform	4.42	83	6828	0.123	ug/L	88
27) 1,2-Dichloroethane	5.09	62	3226	0.130	ug/L	100
35) Methylcyclohexane	6.11	83	39256	1.054	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	17308	0.792	ug/L #	87
42) Toluene	7.43	91	27037	0.277	ug/L	90
44) trans-1,3-Dichloropropene	7.66	75	2533	0.102	ug/L	88
48) 2-Hexanone	8.19	43	16005	1.775	ug/L #	87
52) Ethylbenzene	9.05	91	9194	0.088	ug/L #	80
53) m,p-xylene	9.18	106	11130	0.284	ug/L	92
54) o-xylene	9.59	106	4030	0.107	ug/L	93
69) Naphthalene	13.55	128	6543	0.154	ug/L	96

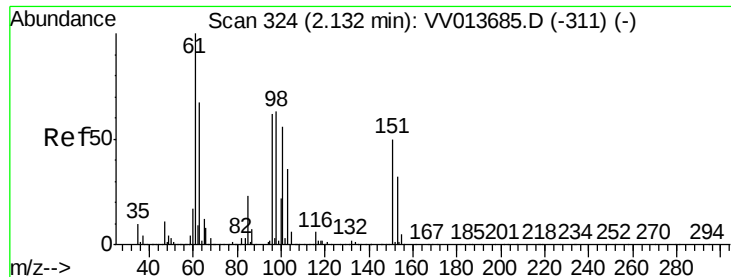
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.116 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV013693.D

Acq: 20 Nov 2019 17:09

Instrument :

MSVOA_V

ClientSampleId :

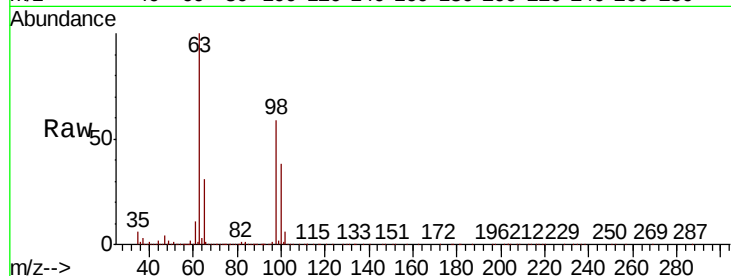
Tot Ion:101 Resp: 2227

Ion Ratio Lower Upper

101 100

85 1.9 32.0 48.0#

151 4.7 69.0 103.6#



Abundance Ion 101.00 (100.70 to 101.70): VV013693.D (-321) (-)

Ion 85.00 (84.70 to 85.70): VV013693.D (-321) (-)

Ion 151.00 (150.70 to 151.70): VV013693.D (-321) (-)

2.12

1500

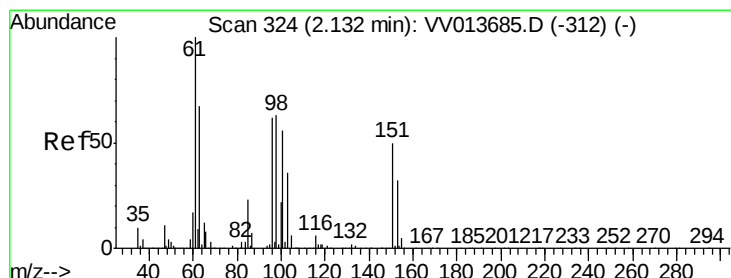
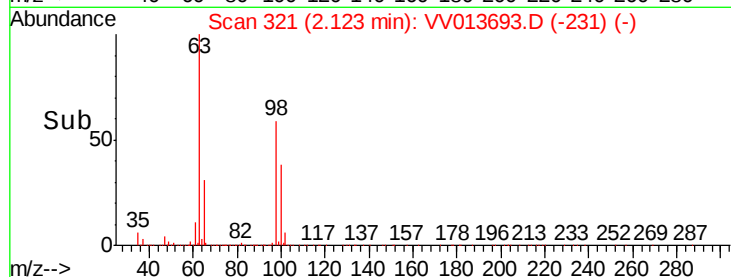
1000

500

0

2.08 2.10 2.12 2.14 2.16

Time-->



#12

1,1-Dichloroethene

Concen: 0.121 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013693.D

Acq: 20 Nov 2019 17:09

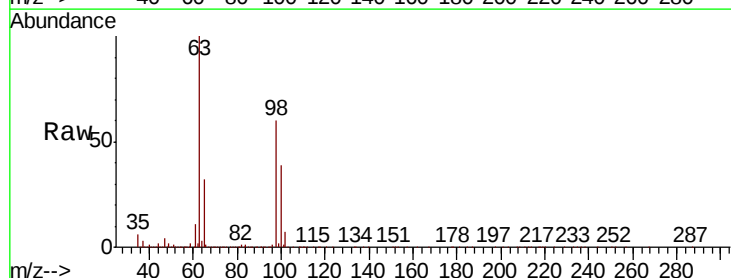
Tgt Ion: 96 Resp: 2254

Ion Ratio Lower Upper

96 100

61 1068.5 112.5 208.9#

63 10123.2 76.9 142.7#



Abundance Ion 96.00 (95.70 to 96.70): VV013693.D (-322) (-)

Ion 61.05 (60.75 to 61.75): VV013693.D (-322) (-)

Ion 63.00 (62.70 to 63.70): VV013693.D (-322) (-)

150000

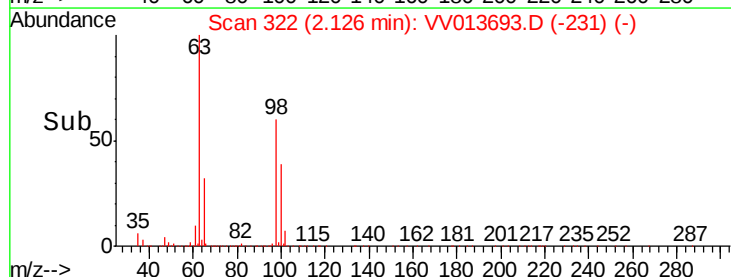
100000

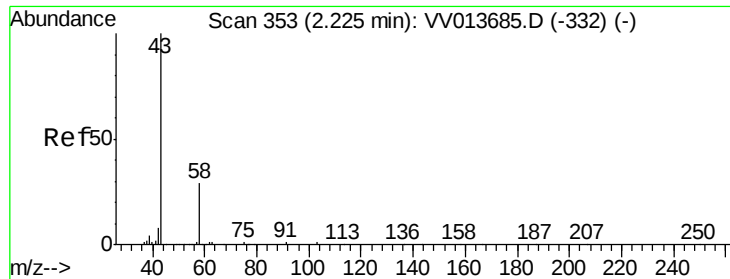
50000

0

2.10 2.15

Time-->





#13

Acetone

Concen: 1.768 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV013693.D

Acq: 20 Nov 2019 17:09

Instrument :

MSVOA_V

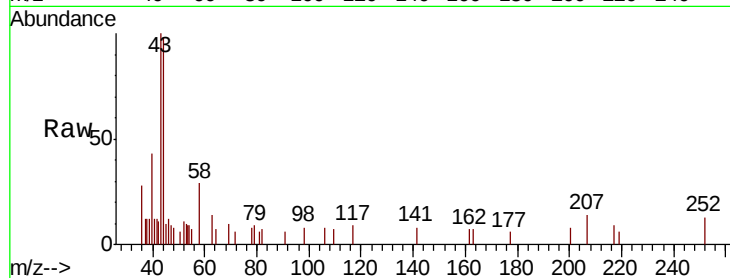
ClientSampleId :

Tot Ion: 43 Resp: 4976

Ion Ratio Lower Upper

43 100

58 5.9 0.0 17.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

2000

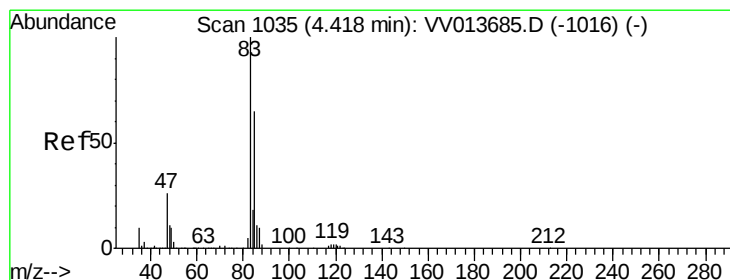
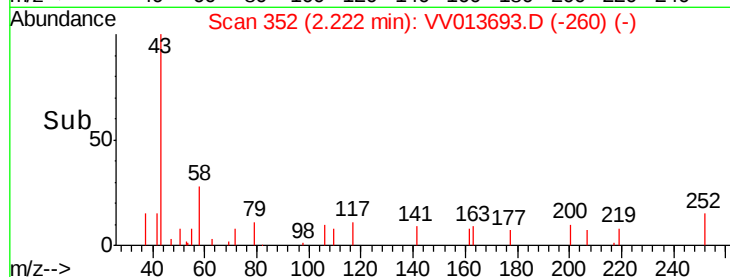
1500

1000

500

0

Time--> 2.15 2.20 2.25 2.30



#25

Chloroform

Concen: 0.123 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013693.D

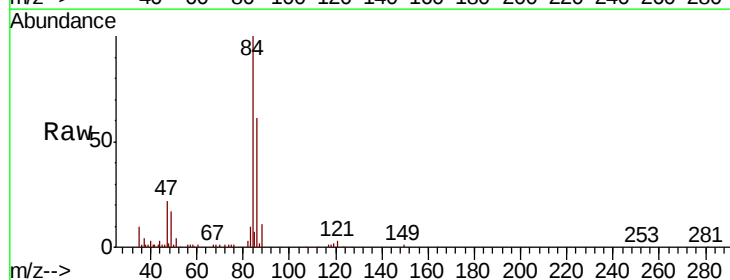
Acq: 20 Nov 2019 17:09

Tgt Ion: 83 Resp: 6828

Ion Ratio Lower Upper

83 100

85 73.2 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.42

3000

2500

2000

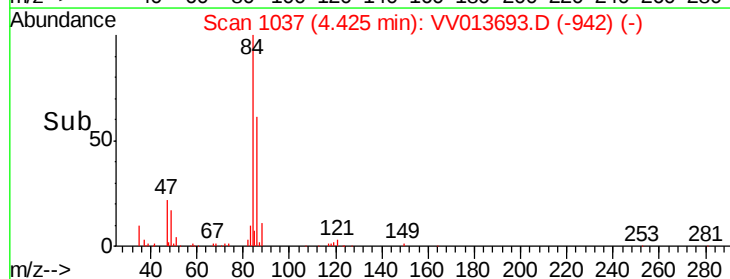
1500

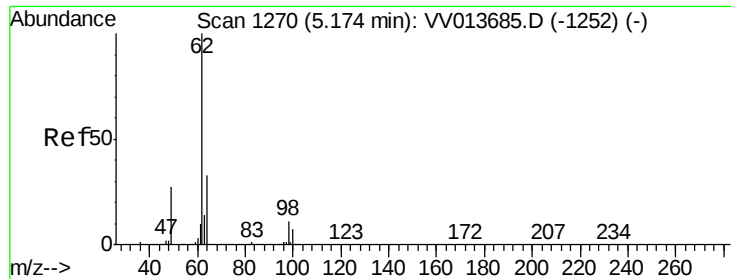
1000

500

0

Time--> 4.40 4.45 4.50

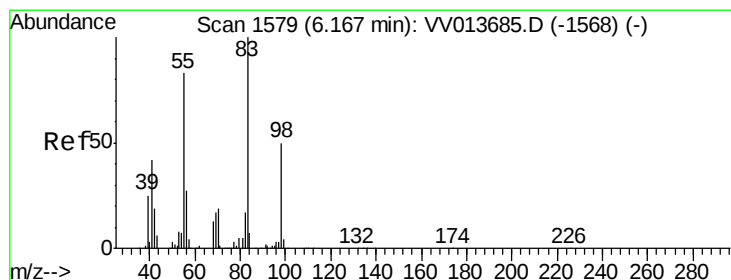
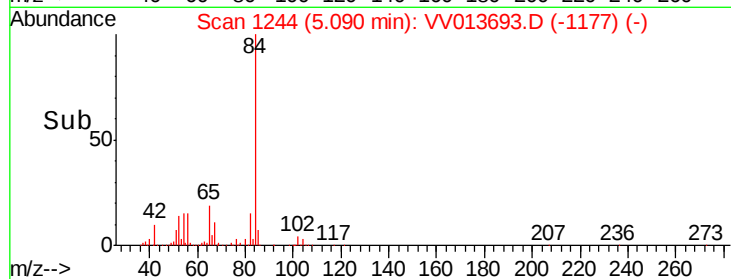
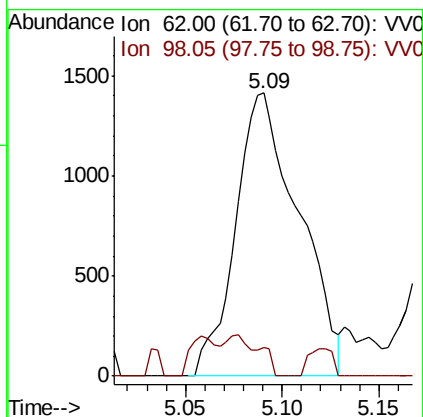
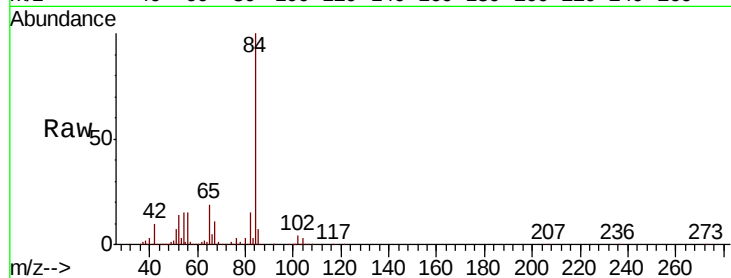




#27
 1,2-Dichloroethane
 Concen: 0.130 ug/L
 RT: 5.09 min Scan# 1244
 Delta R.T. -0.08 min
 Lab File: VV013693.D
 Acq: 20 Nov 2019 17:09

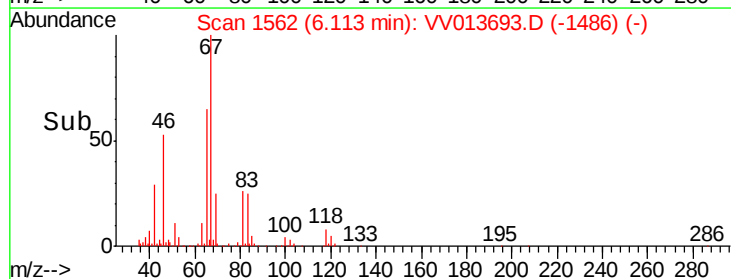
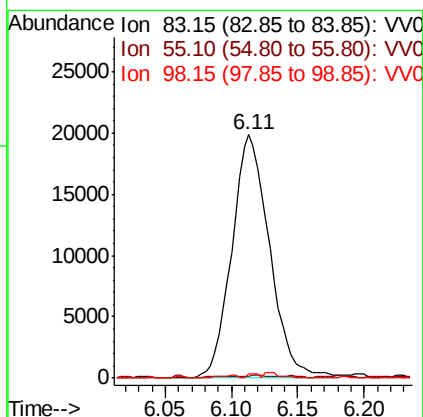
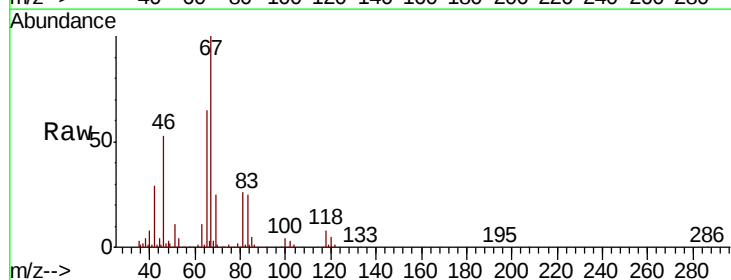
Instrument :
 MSVOA_V
 ClientSampleId :

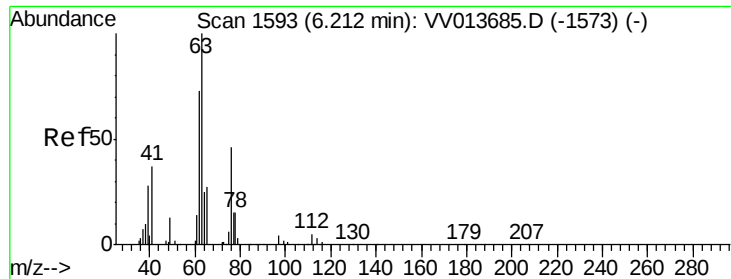
Tot Ion: 62 Resp: 3226
 Ion Ratio Lower Upper
 62 100
 98 10.3 8.2 12.2



#35
 Methylcyclohexane
 Concen: 1.054 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: VV013693.D
 Acq: 20 Nov 2019 17:09

Tgt Ion: 83 Resp: 39256
 Ion Ratio Lower Upper
 83 100
 55 0.8 64.1 96.1#
 98 0.5 38.2 57.2#

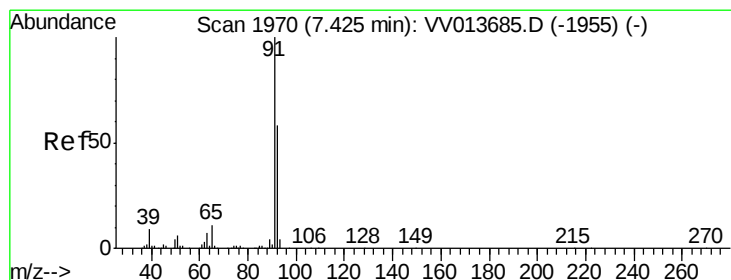
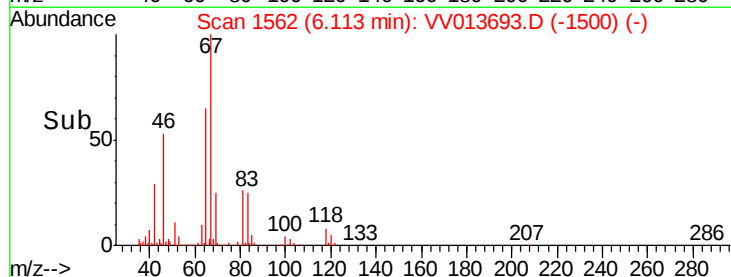
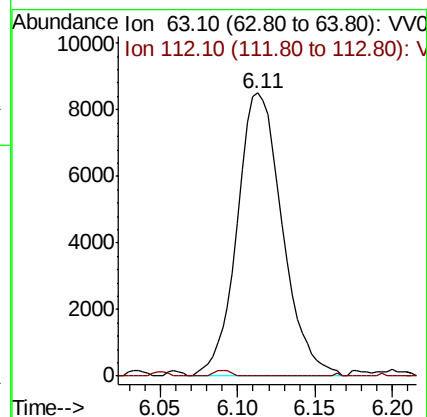
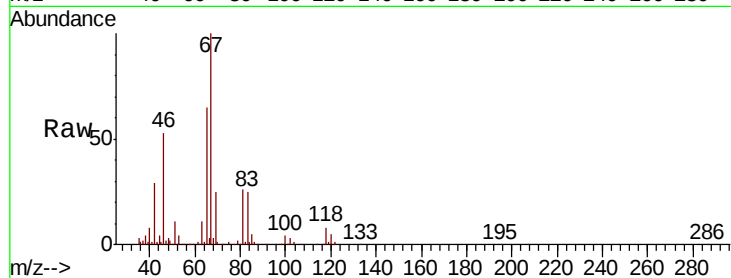




#37
 1,2-Dichloropropane
 Concen: 0.792 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV013693.D
 Acq: 20 Nov 2019 17:09

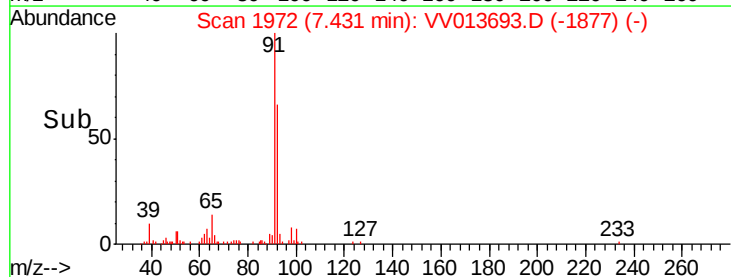
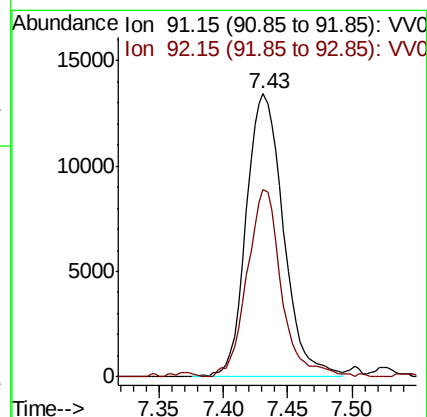
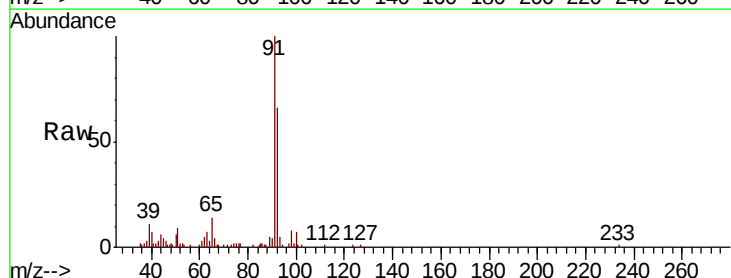
Instrument :
 MSVOA_V
 ClientSampleId :

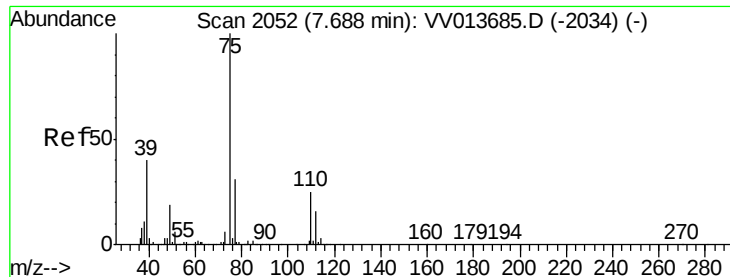
Tot Ion: 63 Resp: 17308
 Ion Ratio Lower Upper
 63 100
 112 0.8 4.1 6.1#



#42
 Toluene
 Concen: 0.277 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VV013693.D
 Acq: 20 Nov 2019 17:09

Tgt Ion: 91 Resp: 27037
 Ion Ratio Lower Upper
 91 100
 92 66.2 41.2 76.6





#44

trans-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013693.D

Acq: 20 Nov 2019 17:09

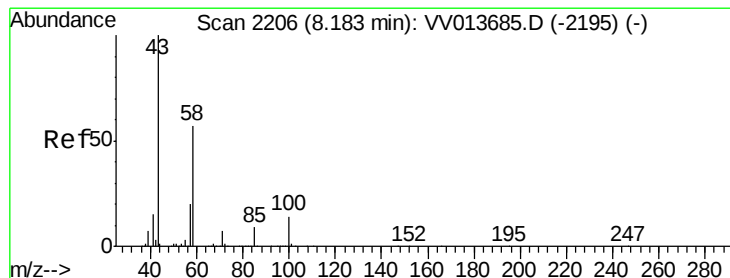
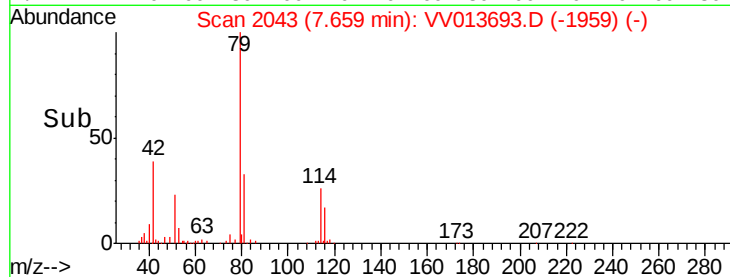
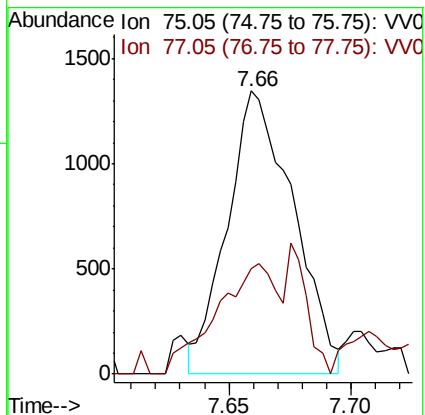
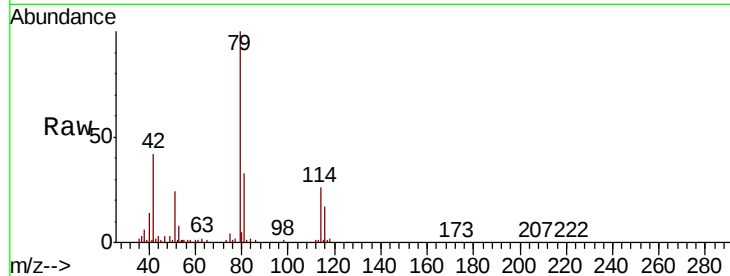
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 2533

Ion Ratio Lower Upper

75 100

77 37.3 21.6 40.2



#48

2-Hexanone

Concen: 1.775 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV013693.D

Acq: 20 Nov 2019 17:09

Tgt Ion: 43 Resp: 16005

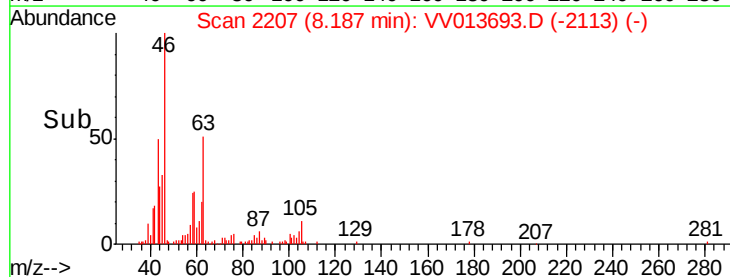
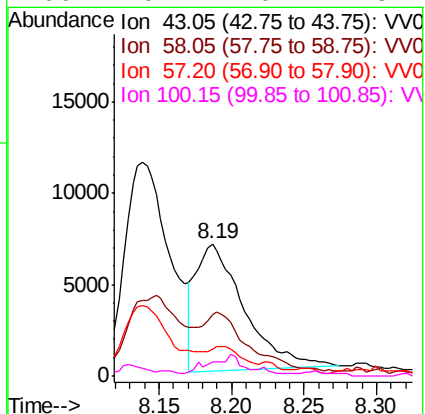
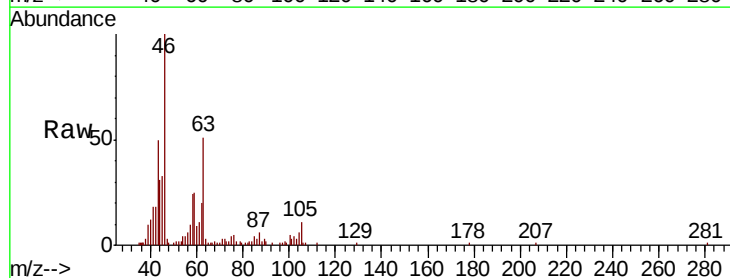
Ion Ratio Lower Upper

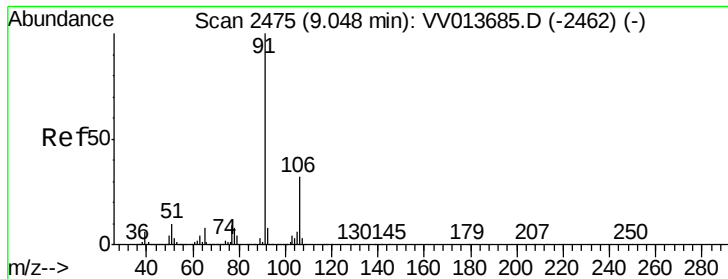
43 100

58 44.2 43.0 64.6

57 13.2 15.4 23.2#

100 9.1 10.1 15.1#





#52

Ethylbenzene

Concen: 0.088 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.01 min

Lab File: VV013693.D

Acq: 20 Nov 2019 17:09

Instrument :

MSVOA_V

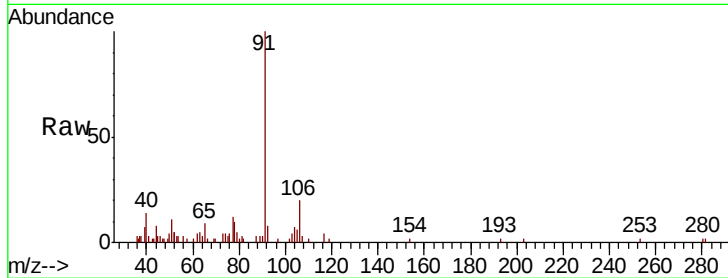
ClientSampleId :

Tot Ion: 91 Resp: 9194

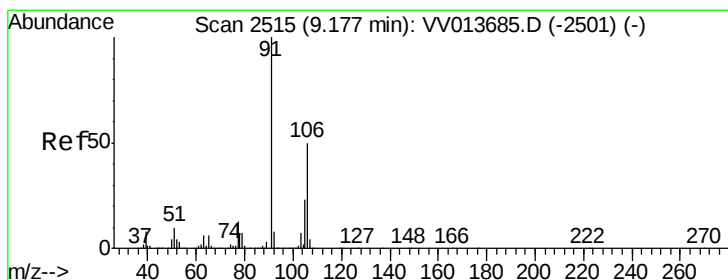
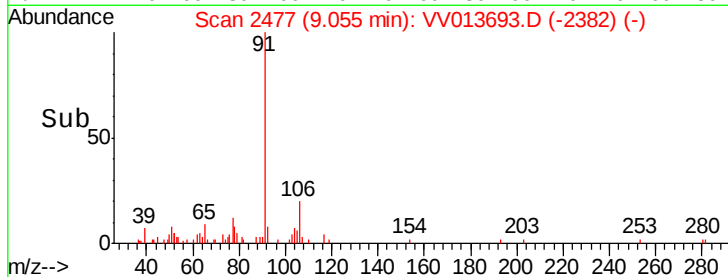
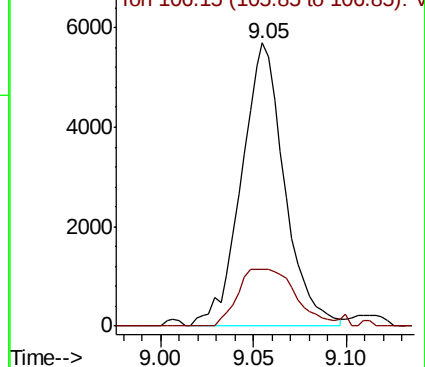
Ion Ratio Lower Upper

91 100

106 20.1 21.7 40.3#



Abundance Ion 91.15 (90.85 to 91.85): VV013685.D (-2462) (-)



#53

m,p-xylene

Concen: 0.284 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013693.D

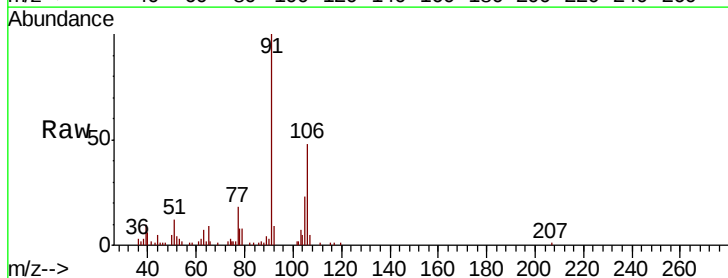
Acq: 20 Nov 2019 17:09

Tgt Ion: 106 Resp: 11130

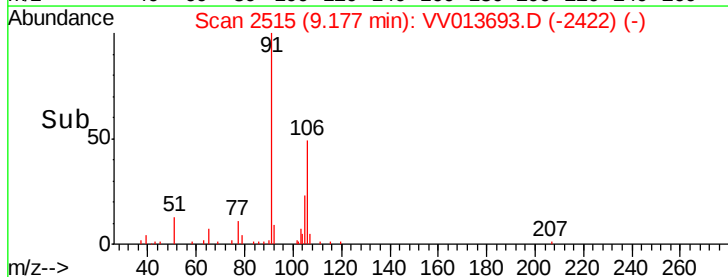
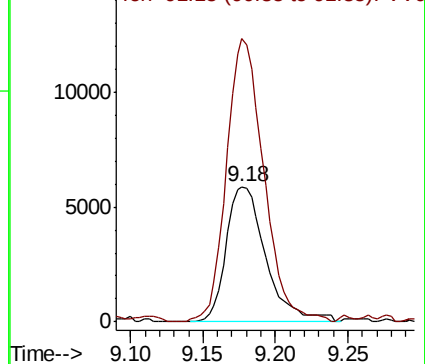
Ion Ratio Lower Upper

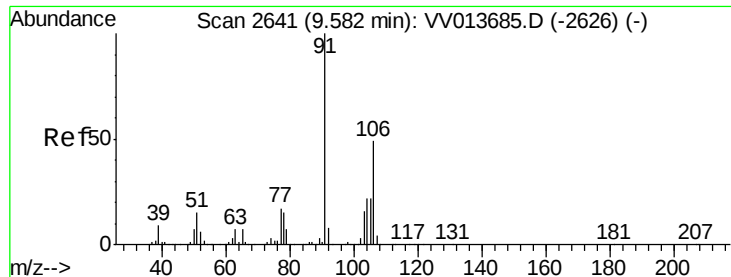
106 100

91 209.8 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013685.D (-2501) (-)





#54

o-xylene

Concen: 0.107 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013693.D

Acq: 20 Nov 2019 17:09

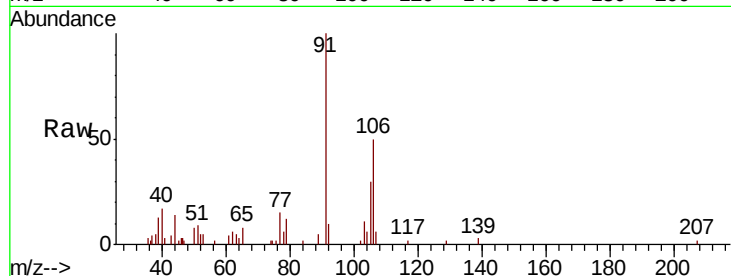
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 4030

Ion Ratio Lower Upper

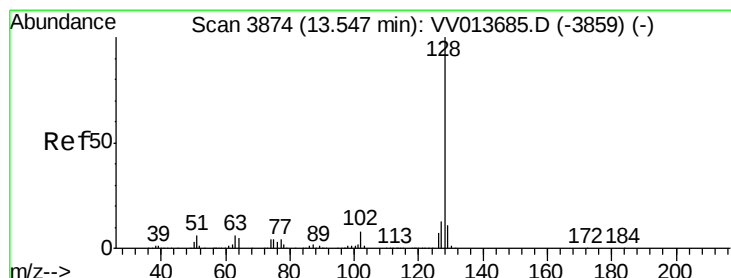
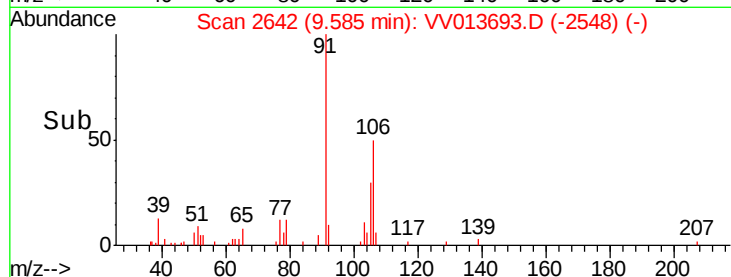
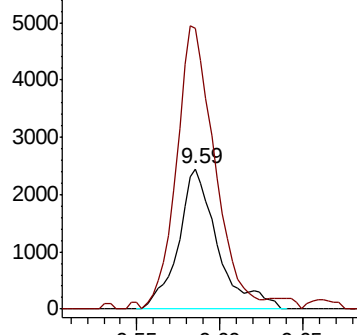
106 100

91 199.5 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.154 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013693.D

Acq: 20 Nov 2019 17:09

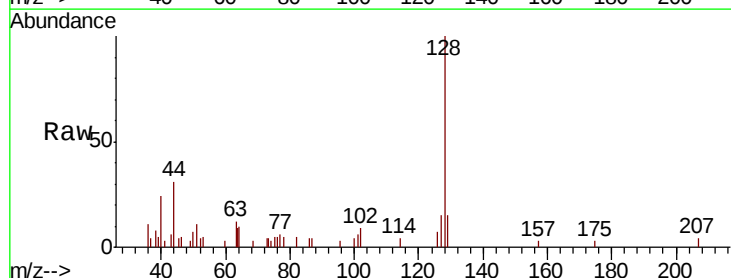
Tgt Ion:128 Resp: 6543

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 15.6 10.4 15.6



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

