

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013694.D
 Acq On : 20 Nov 2019 17:33
 Operator : SY/MD
 Sample : K5911-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:55:04 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	320210	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	315780	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	148272	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138056	6.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	139.60%#
7) Chloroethane-d5	1.58	69	118838	6.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	134.60%#
11) 1,1-Dichloroethene-d2	2.13	63	182192	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	3.94	46	324984	71.05	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	142.10%#
24) Chloroform-d	4.40	84	265618	6.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.40%
26) 1,2-Dichloroethane-d4	5.08	65	132233	6.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	125.80%
32) Benzene-d6	5.10	84	530194	6.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.40%
36) 1,2-Dichloropropane-d6	6.11	67	161252	6.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	124.00%
41) Toluene-d8	7.36	98	469672	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.80%
43) trans-1,3-Dichloropropene-	7.66	79	56737	5.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.40%
46) 2-Hexanone-d5	8.14	63	237712	62.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	115330	6.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.60%#
64) 1,2-Dichlorobenzene-d4	11.67	152	184160	6.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	129.00%#

Target Compounds

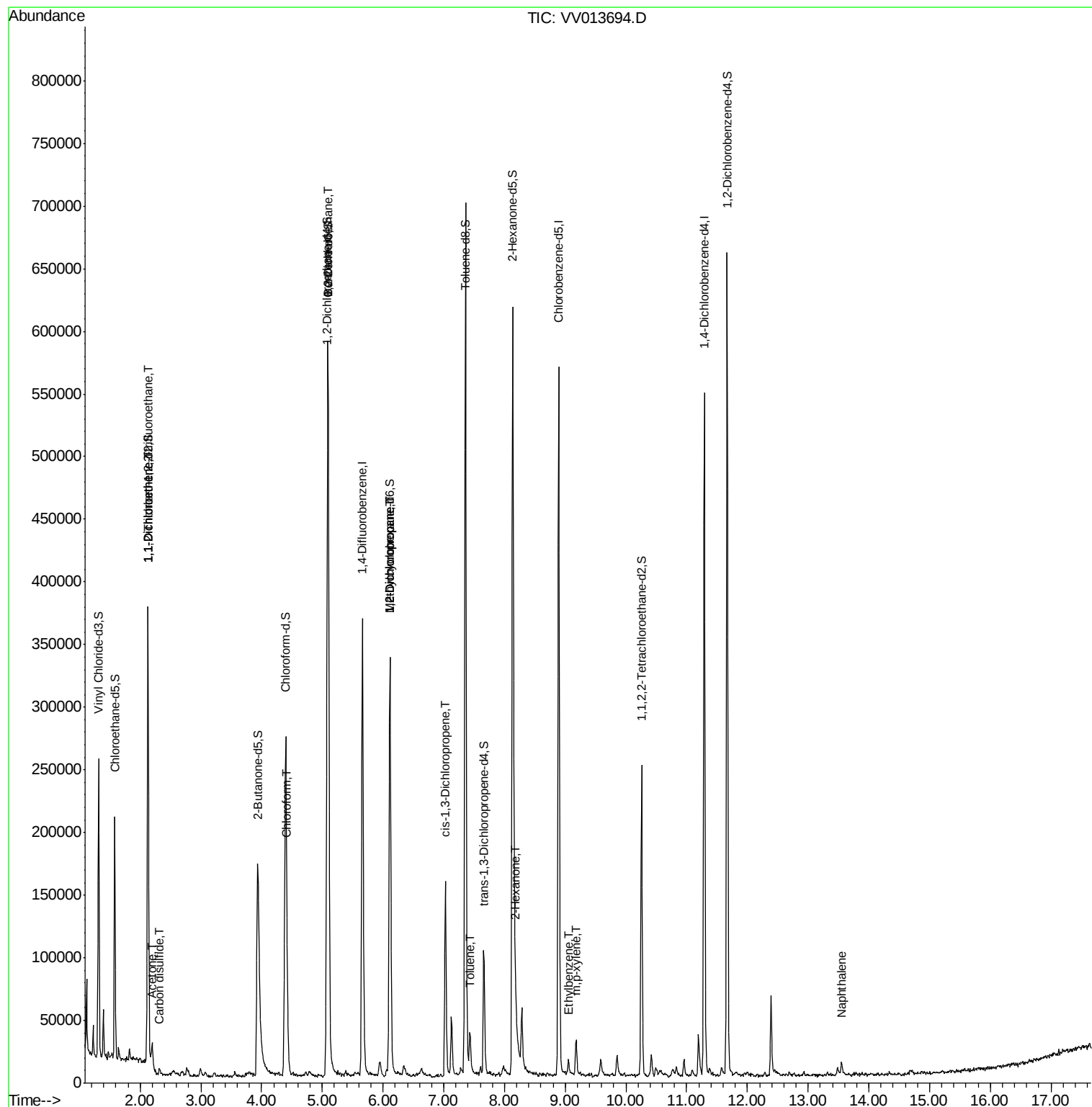
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1873	0.095	ug/L #	27
12) 1,1-Dichloroethene	2.13	96	2095	0.110	ug/L #	1
13) Acetone	2.20	43	27027	9.365	ug/L #	46
14) Carbon disulfide	2.32	76	4085	0.062	ug/L #	94
25) Chloroform	4.42	83	20963	0.367	ug/L	97
27) 1,2-Dichloroethane	5.09	62	3488	0.138	ug/L	99
35) Methylcyclohexane	6.11	83	40340	1.034	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	17969	0.785	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	3590	0.109	ug/L #	42
42) Toluene	7.43	91	22255	0.218	ug/L	93
48) 2-Hexanone	8.19	43	16366	1.733	ug/L #	42
52) Ethylbenzene	9.05	91	8524	0.078	ug/L	98
53) m,p-xylene	9.18	106	8521	0.208	ug/L	94
69) Naphthalene	13.55	128	6832	0.148	ug/L #	94

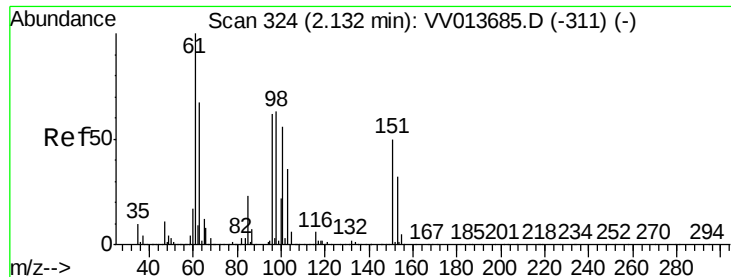
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.095 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013694.D

Acq: 20 Nov 2019 17:33

Instrument :

MSVOA_V

ClientSampleId :

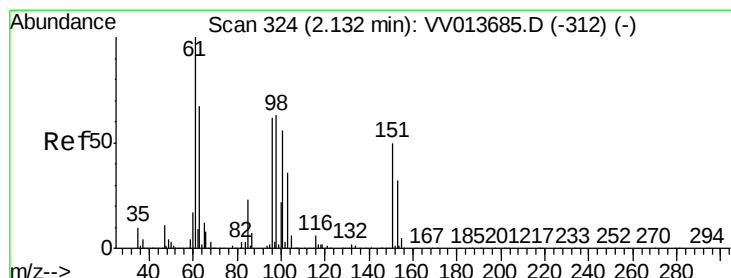
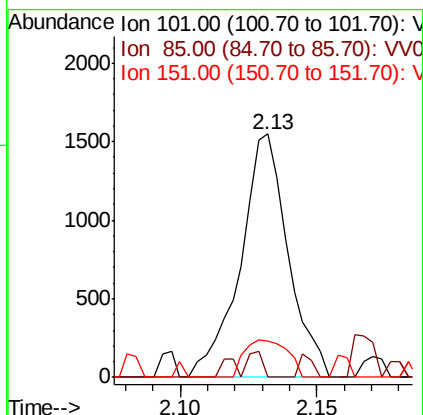
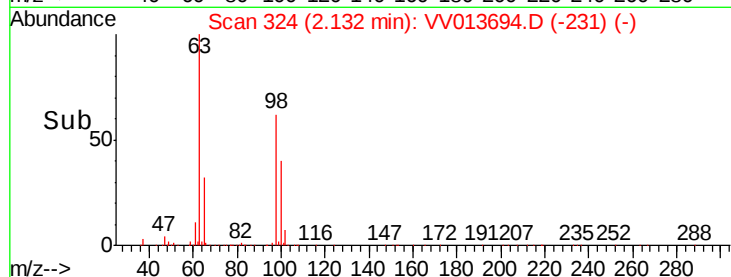
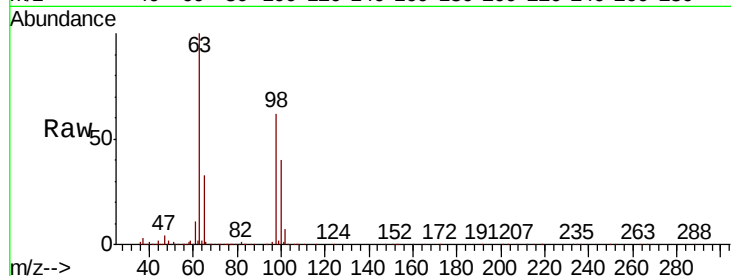
Tot Ion:101 Resp: 1873

Ion Ratio Lower Upper

101 100

85 3.2 32.0 48.0#

151 13.8 69.0 103.6#



#12

1,1-Dichloroethene

Concen: 0.110 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013694.D

Acq: 20 Nov 2019 17:33

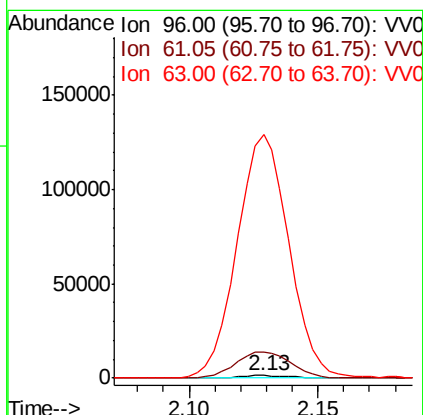
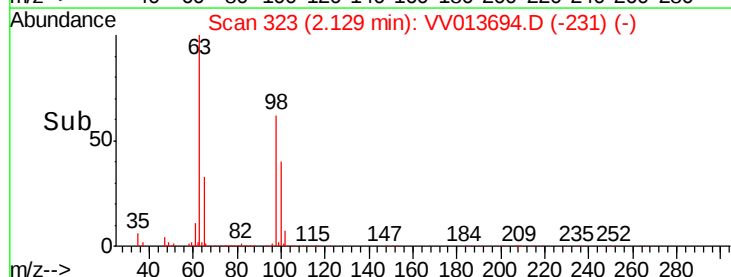
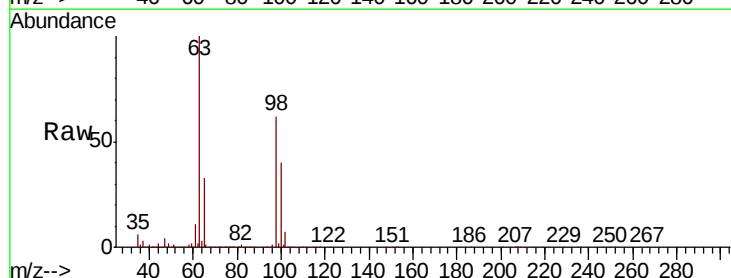
Tgt Ion: 96 Resp: 2095

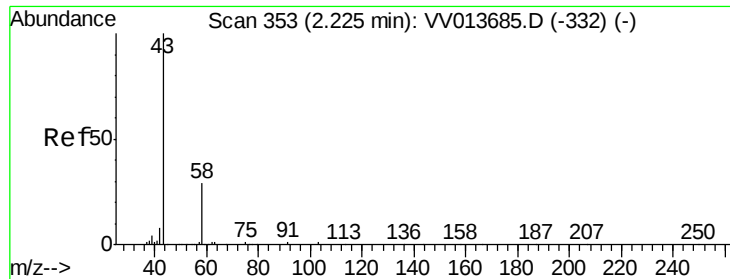
Ion Ratio Lower Upper

96 100

61 1020.5 112.5 208.9#

63 9504.6 76.9 142.7#





#13

Acetone

Concen: 9.365 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.03 min

Lab File: VV013694.D

Acq: 20 Nov 2019 17:33

Instrument :

MSVOA_V

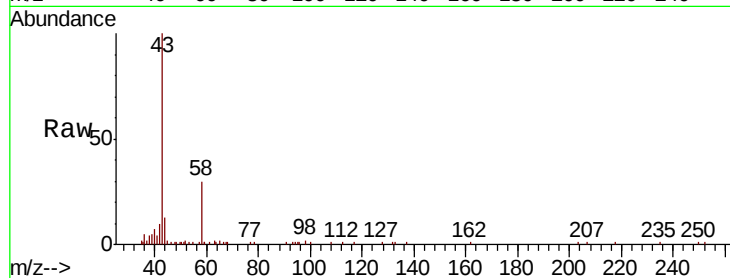
ClientSampleId :

Tot Ion: 43 Resp: 27027

Ion Ratio Lower Upper

43 100

58 27.7 0.0 17.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

15000

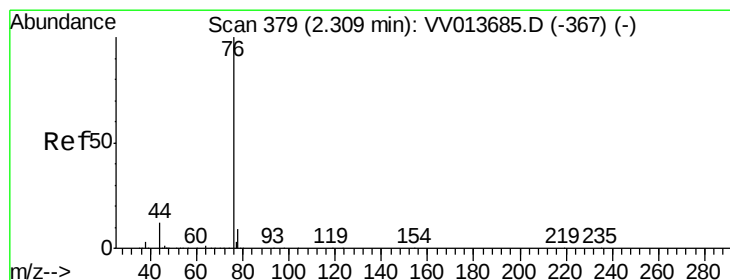
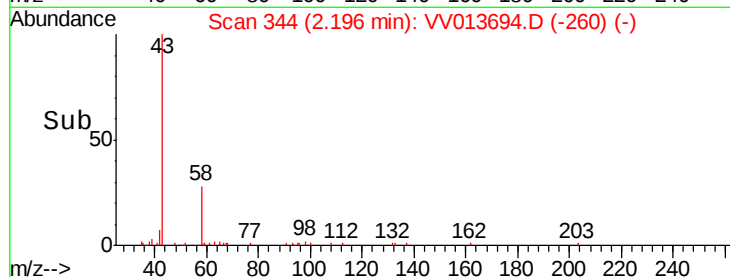
10000

5000

0

2.10 2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 0.062 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013694.D

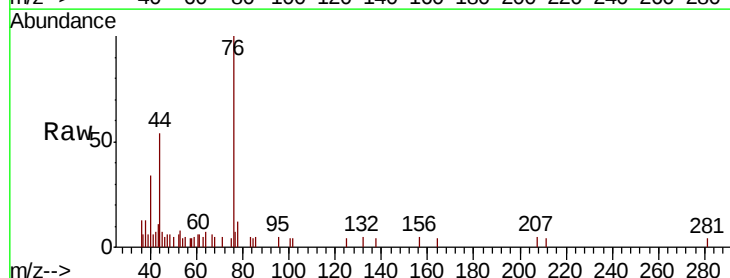
Acq: 20 Nov 2019 17:33

Tgt Ion: 76 Resp: 4085

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

3000

2500

2000

1500

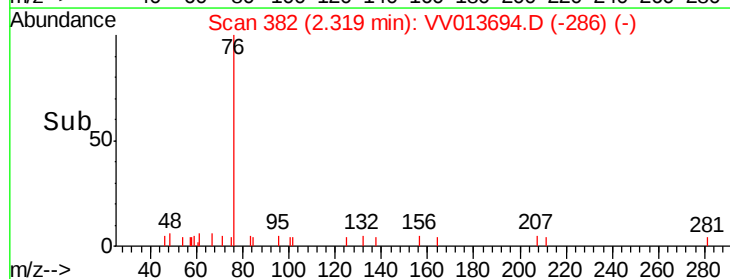
1000

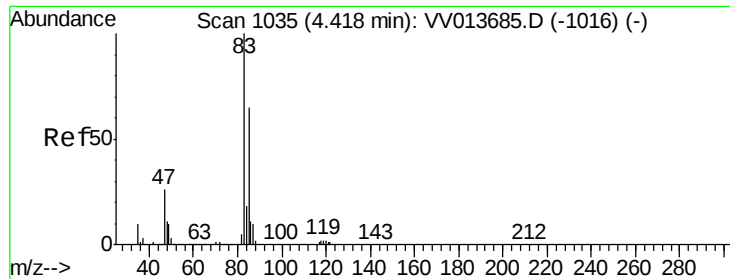
500

0

2.25 2.30 2.35

Time-->

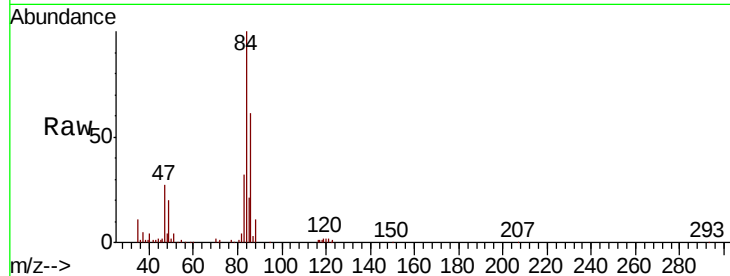




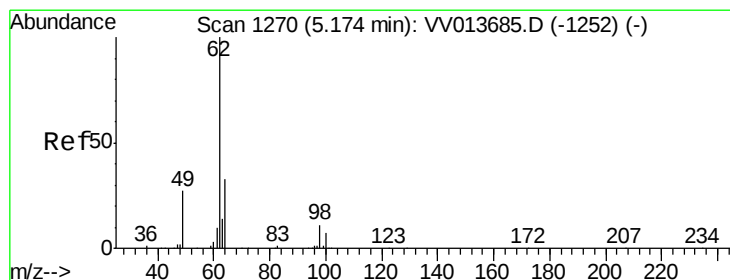
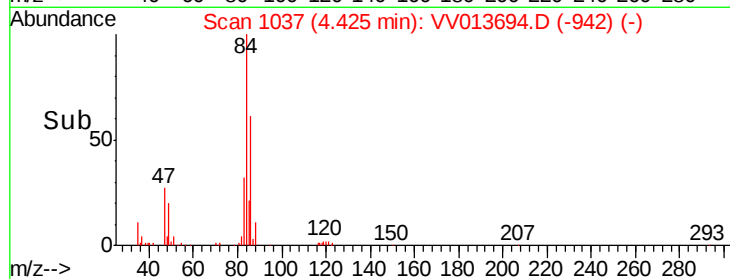
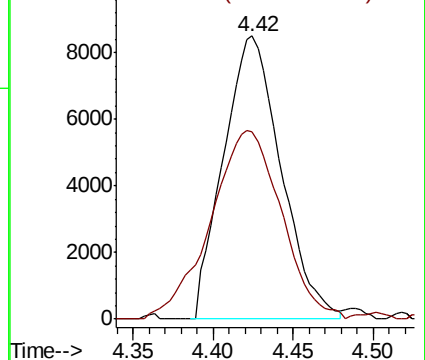
#25
Chloroform
Concen: 0.367 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV013694.D
Acq: 20 Nov 2019 17:33

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 20963
Ion Ratio Lower Upper
83 100
85 66.0 44.4 82.5

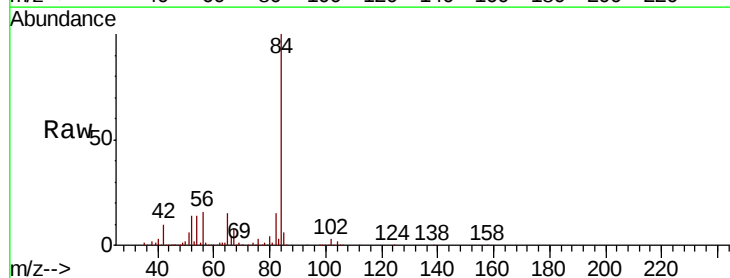


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

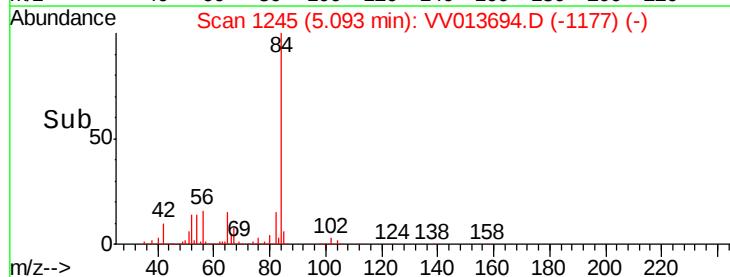
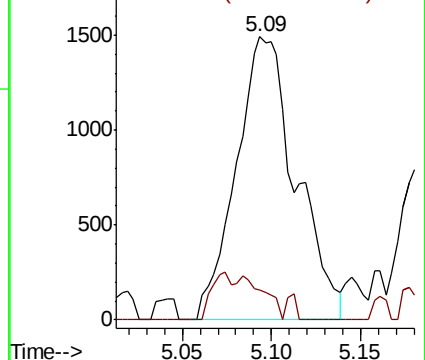


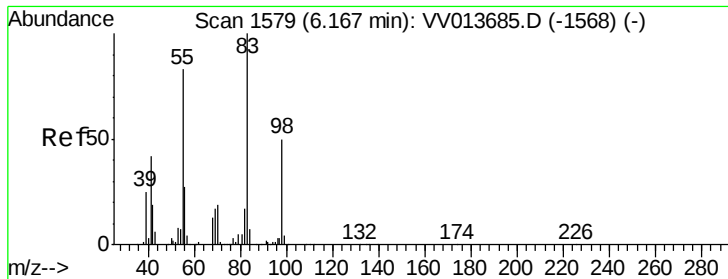
#27
1,2-Dichloroethane
Concen: 0.138 ug/L
RT: 5.09 min Scan# 1245
Delta R.T. -0.08 min
Lab File: VV013694.D
Acq: 20 Nov 2019 17:33

Tgt Ion: 62 Resp: 3488
Ion Ratio Lower Upper
62 100
98 10.7 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0

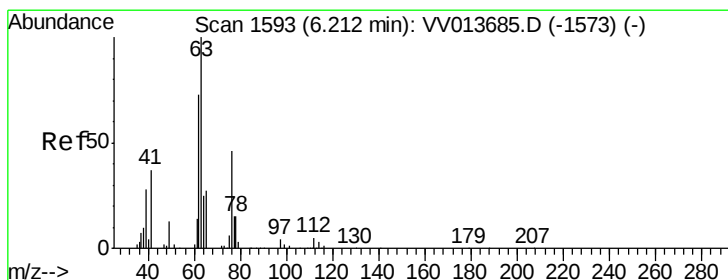
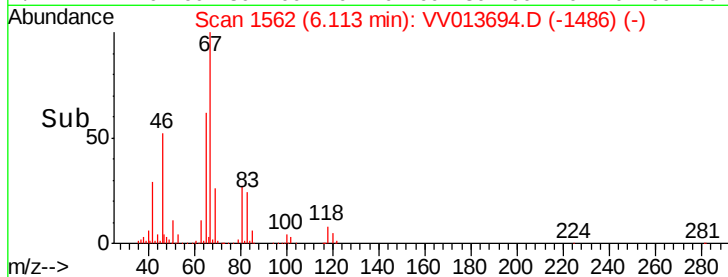
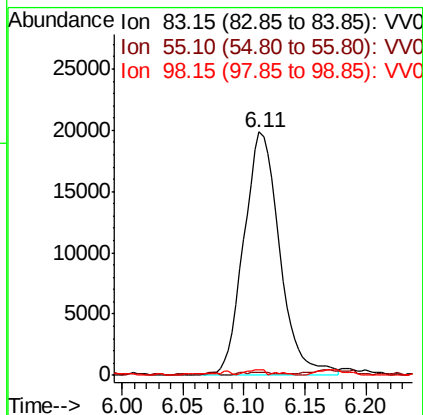
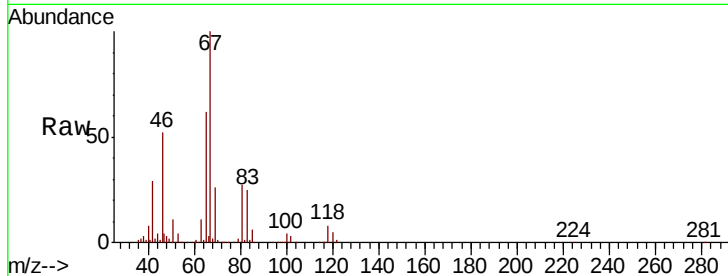




#35
Methvlcvclohexane
Concen: 1.034 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.05 min
Lab File: VV013694.D
Acq: 20 Nov 2019 17:33

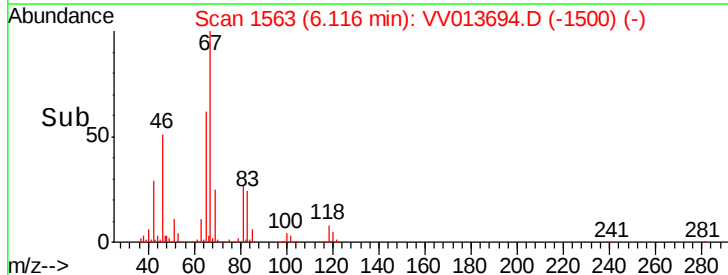
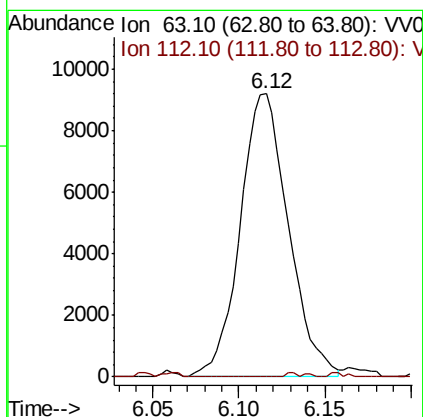
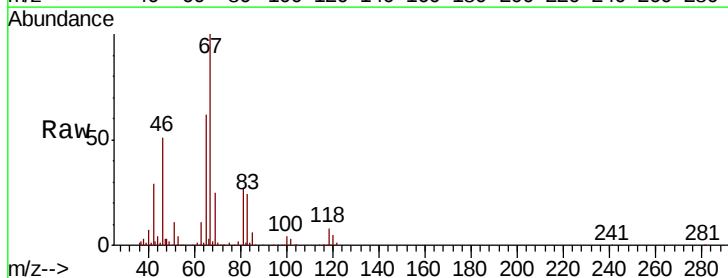
Instrument :
MSVOA_V
ClientSampleId :

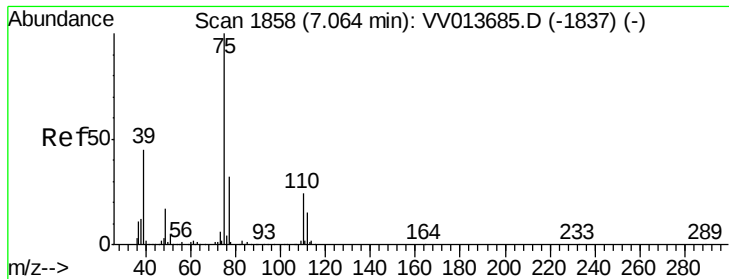
Tot Ion: 83 Resp: 40340
Ion Ratio Lower Upper
83 100
55 0.2 64.1 96.1#
98 1.2 38.2 57.2#



#37
1,2-Dichloropropane
Concen: 0.785 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013694.D
Acq: 20 Nov 2019 17:33

Tgt Ion: 63 Resp: 17969
Ion Ratio Lower Upper
63 100
112 0.3 4.1 6.1#

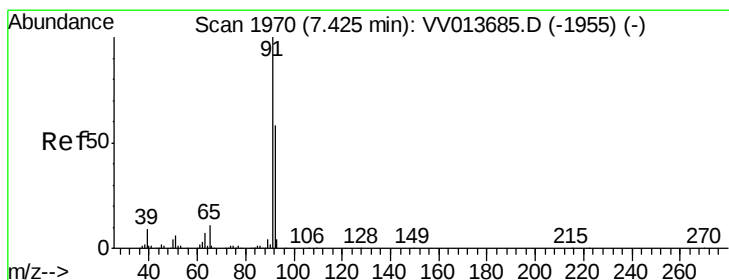
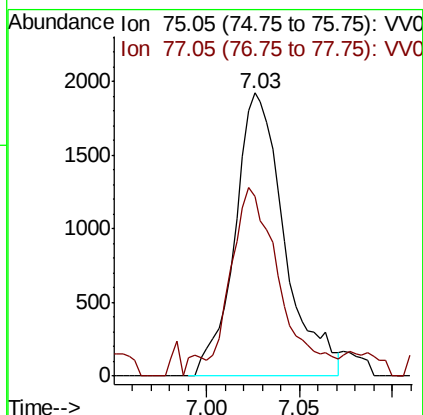
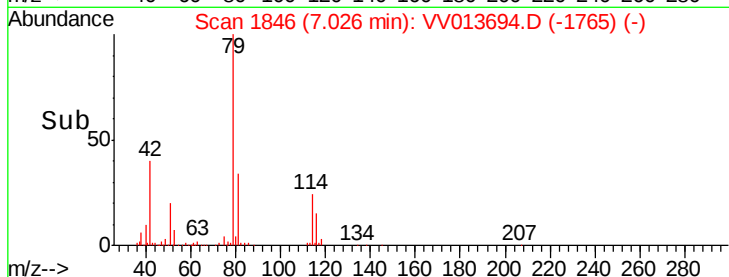
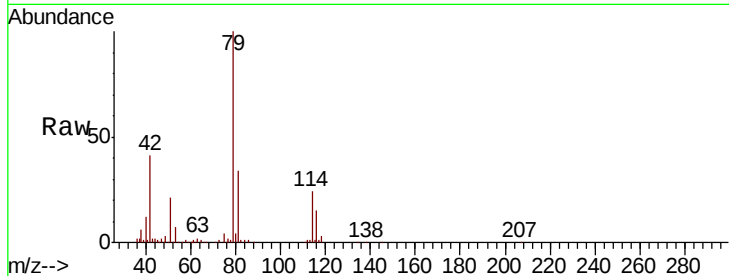




#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV013694.D
 Acq: 20 Nov 2019 17:33

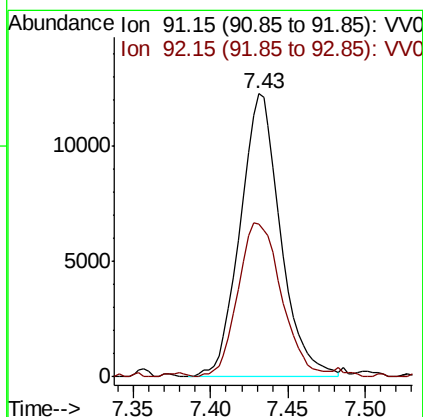
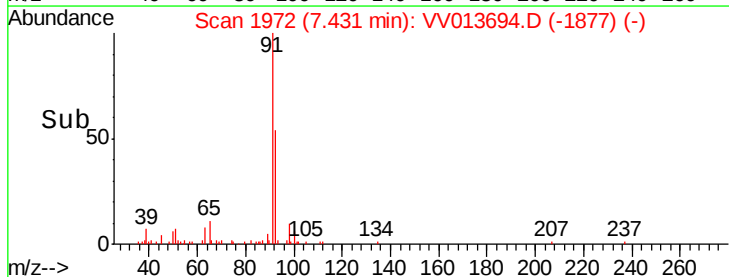
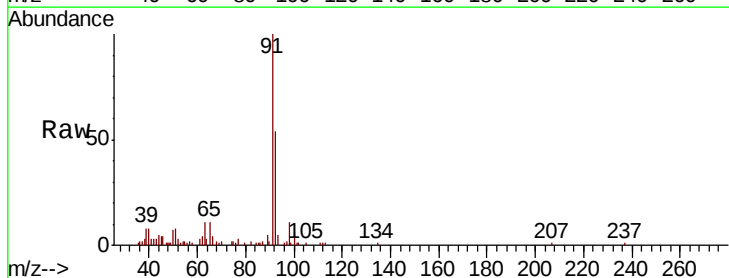
Instrument :
 MSVOA_V
 ClientSampleId :

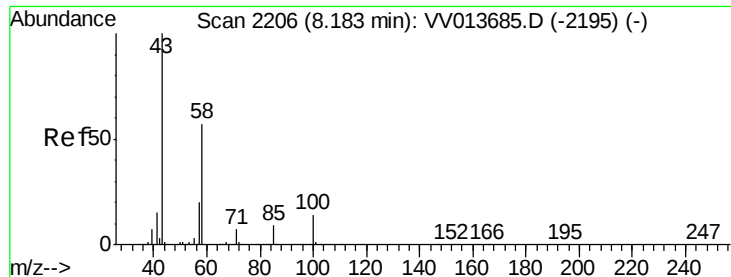
Tot Ion: 75 Resp: 3590
 Ion Ratio Lower Upper
 75 100
 77 63.7 22.0 40.8#



#42
 Toluene
 Concen: 0.218 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VV013694.D
 Acq: 20 Nov 2019 17:33

Tgt Ion: 91 Resp: 22255
 Ion Ratio Lower Upper
 91 100
 92 53.9 41.2 76.6

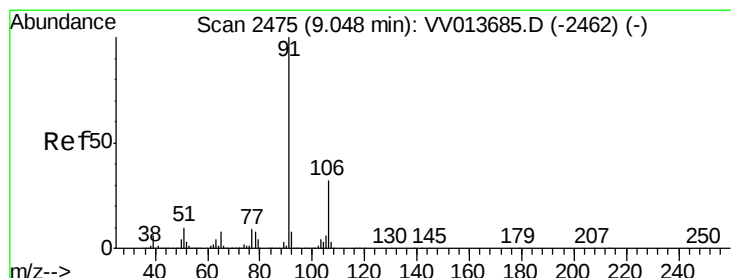
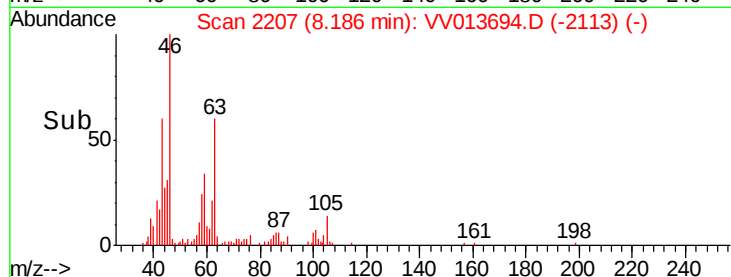
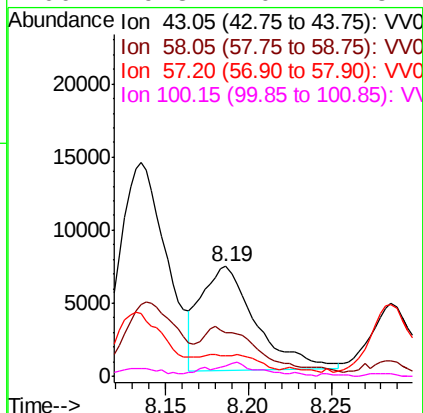
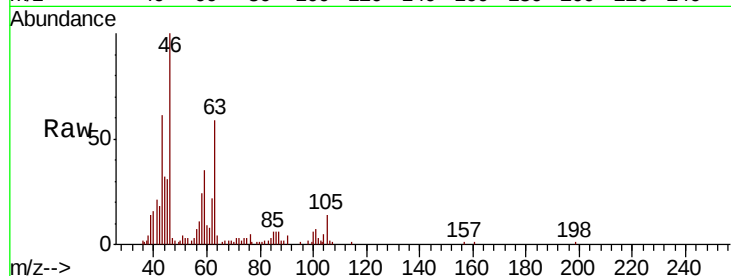




#48
2-Hexanone
Concen: 1.733 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013694.D
Acq: 20 Nov 2019 17:33

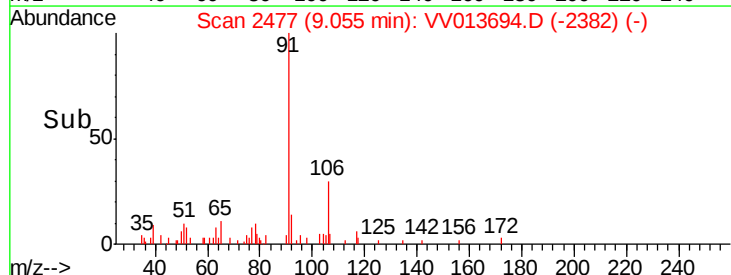
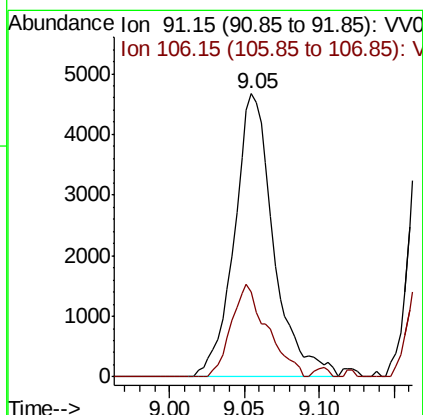
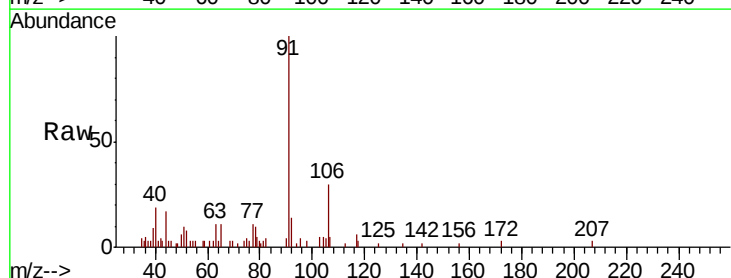
Instrument :
MSVOA_V
ClientSampleId :

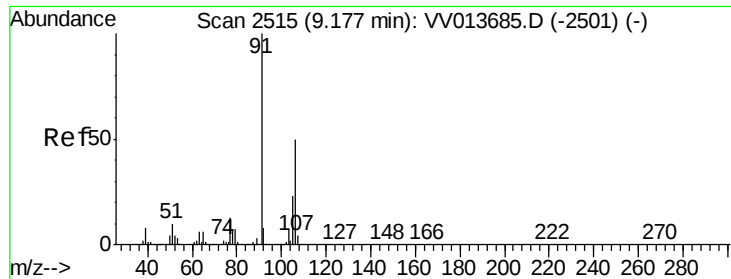
Tot Ion: 43 Resp: 16366
Ion Ratio Lower Upper
43 100
58 0.0 43.0 64.6#
57 0.0 15.4 23.2#
100 9.8 10.1 15.1#



#52
Ethylbenzene
Concen: 0.078 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.01 min
Lab File: VV013694.D
Acq: 20 Nov 2019 17:33

Tgt Ion: 91 Resp: 8524
Ion Ratio Lower Upper
91 100
106 29.9 21.7 40.3





#53

m,p-xylene

Concen: 0.208 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013694.D

Acq: 20 Nov 2019 17:33

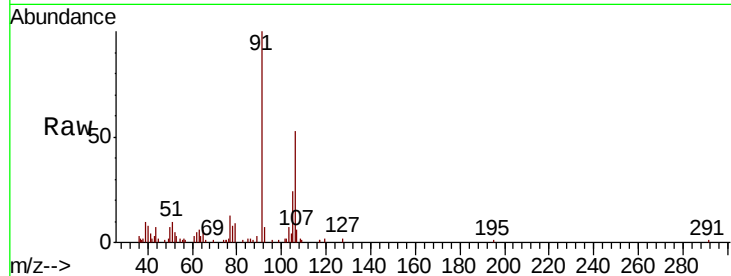
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 8521

Ion Ratio Lower Upper

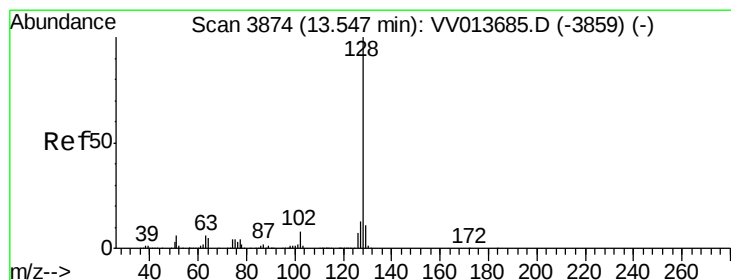
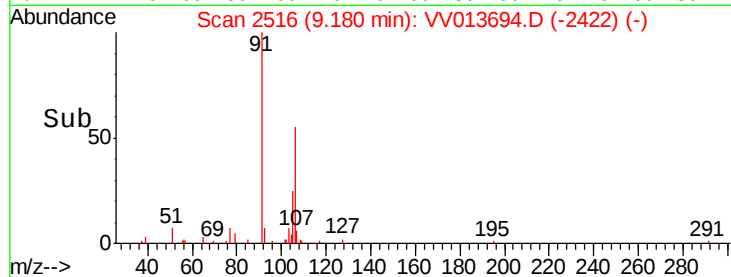
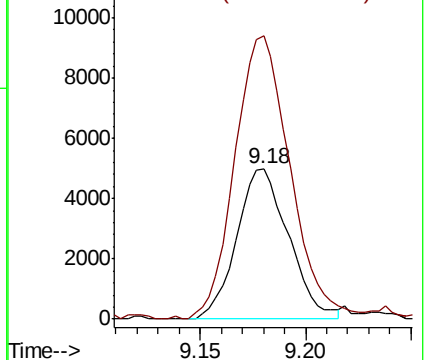
106 100

91 188.1 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.148 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013694.D

Acq: 20 Nov 2019 17:33

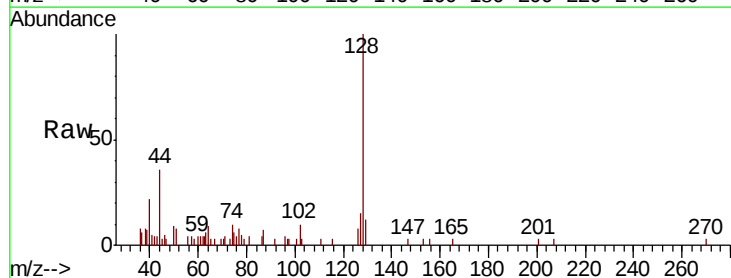
Tgt Ion:128 Resp: 6832

Ion Ratio Lower Upper

128 100

129 12.4 8.6 13.0

127 15.7 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

