

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021320\
 Data File : VV014582.D
 Acq On : 13 Feb 2020 12:29
 Operator : SY/MD
 Sample : L1489-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 13 15:34:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 13 15:27:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	286256	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	266706	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	130286	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49294	44.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.68%
7) Chloroethane-d5	1.59	69	37526	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.08%
11) 1,1-Dichloroethene-d2	2.13	63	64978	35.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.84%
21) 2-Butanone-d5	3.92	46	84380	92.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.56%
24) Chloroform-d	4.40	84	153588	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
26) 1,2-Dichloroethane-d4	5.08	65	99512	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.08%
32) Benzene-d6	5.10	84	318338	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.82%
36) 1,2-Dichloropropane-d6	6.11	67	95232	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.14%
41) Toluene-d8	7.36	98	298687	48.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.36%
43) trans-1,3-Dichloropropene-	7.66	79	51104	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
47) 2-Hexanone-d5	8.13	63	66338	86.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.42%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	127802	49.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.04%
64) 1,2-Dichlorobenzene-d4	11.67	152	115861	50.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.66%

Target Compounds

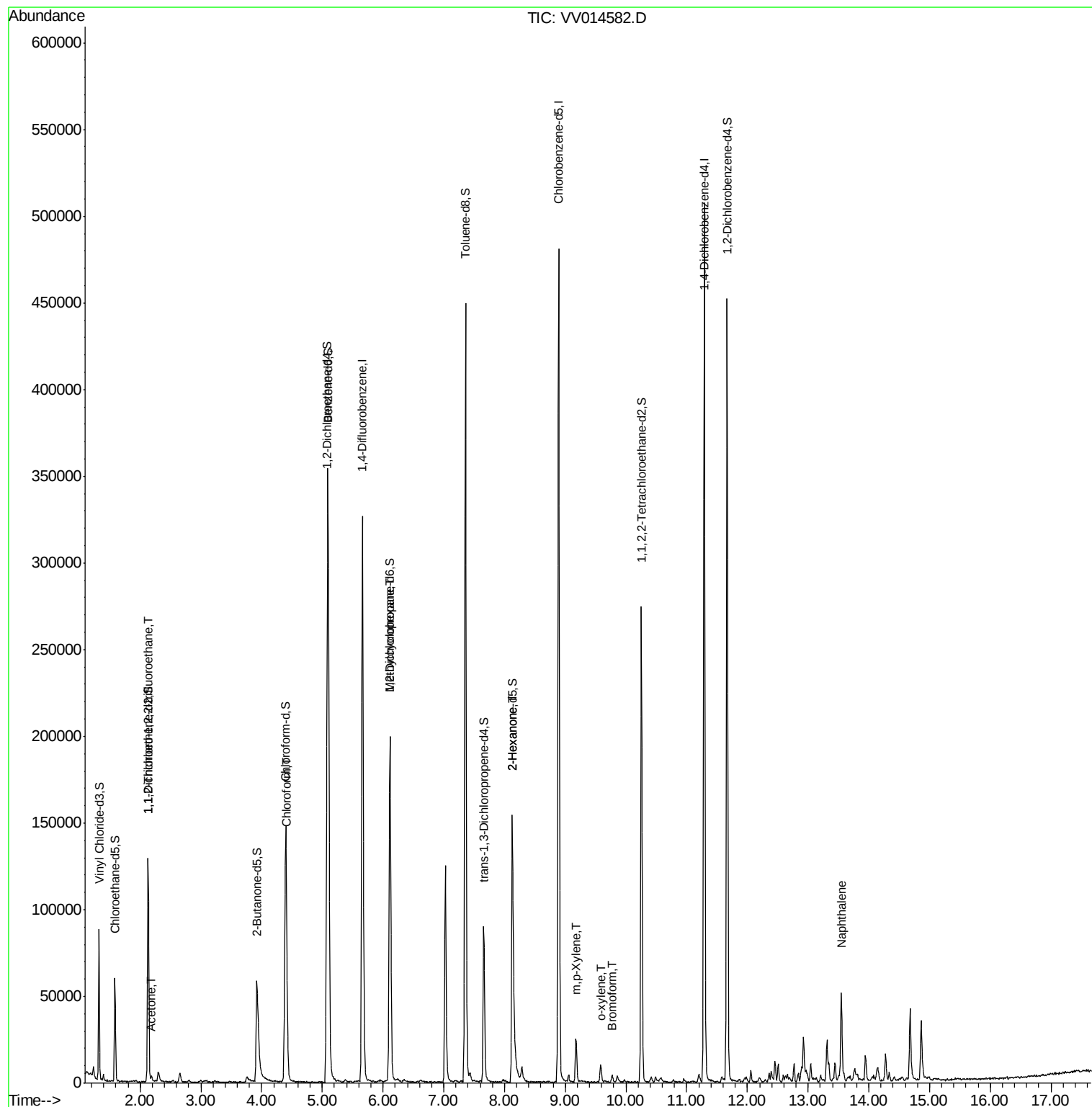
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	717	0.759	ug/L #	17
13) Acetone	2.19	43	2779	3.553	ug/L	94
25) Chloroform	4.42	83	2579	0.768	ug/L	88
35) Methylcyclohexane	6.11	83	25143	8.498	ug/L #	21
48) 2-Hexanone	8.13	43	7320	4.396	ug/L #	74
53) m,p-Xylene	9.18	106	7461	2.206	ug/L	98
54) o-xylene	9.59	106	2957	0.915	ug/L	100
61) Bromoform	9.77	173	1608	1.140	ug/L #	94
69) Naphthalene	13.55	128	39992	4.806	ug/L	99

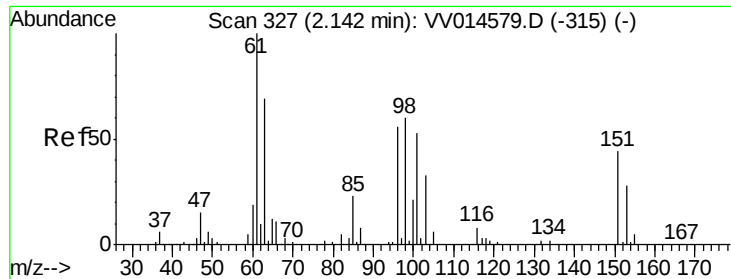
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Feb 13 15:27:07 2020
Response via : Initial Calibration





#10

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

Concen: 0.759 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV014582.D

Acq: 13 Feb 2020 12:29

Instrument :

BNA_G

ClientSampleId :

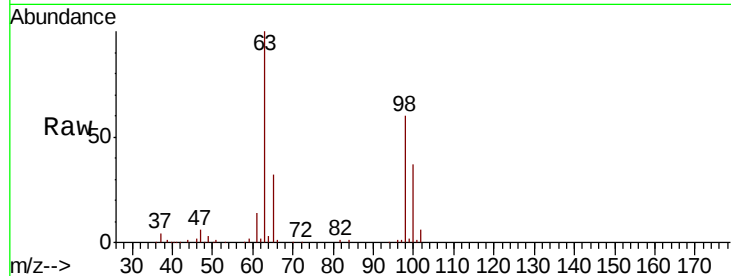
Tot Ion:101 Resp: 717

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.0#

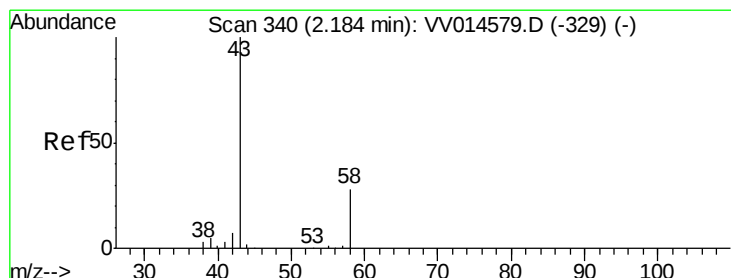
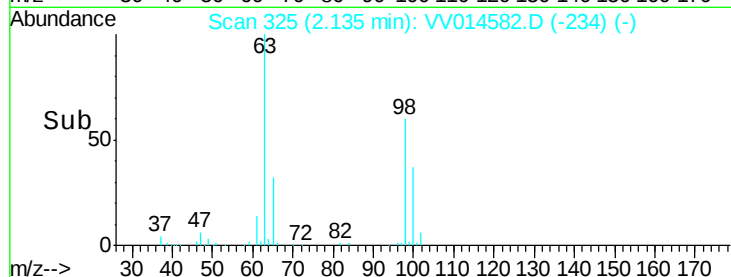
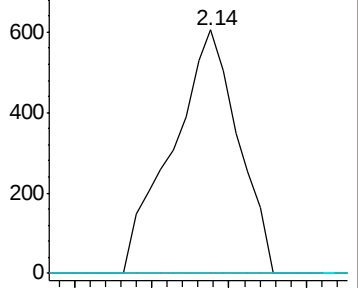
151 0.0 65.4 98.2#



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



#13

Acetone

Concen: 3.553 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014582.D

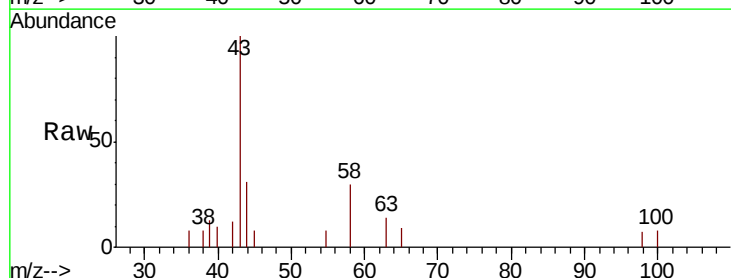
Acq: 13 Feb 2020 12:29

Tgt Ion: 43 Resp: 2779

Ion Ratio Lower Upper

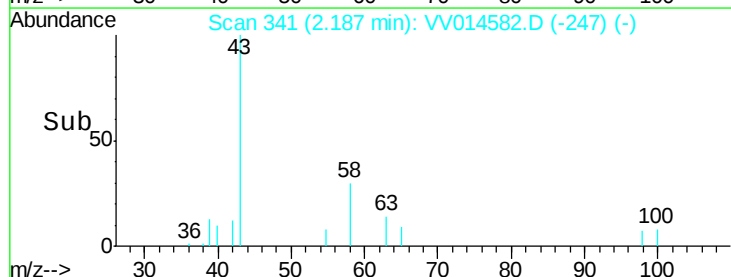
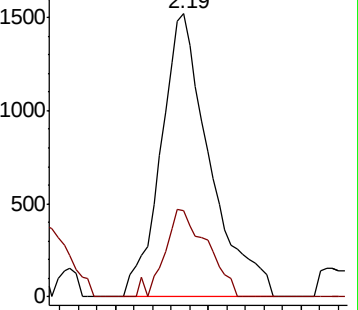
43 100

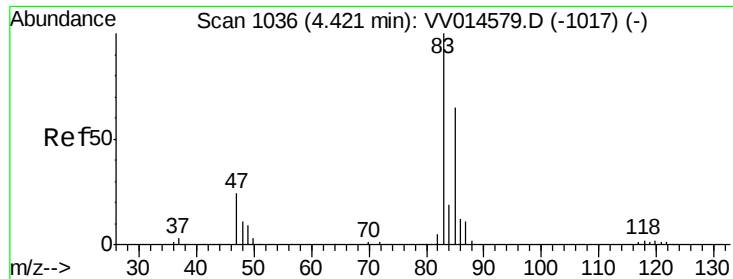
58 26.2 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

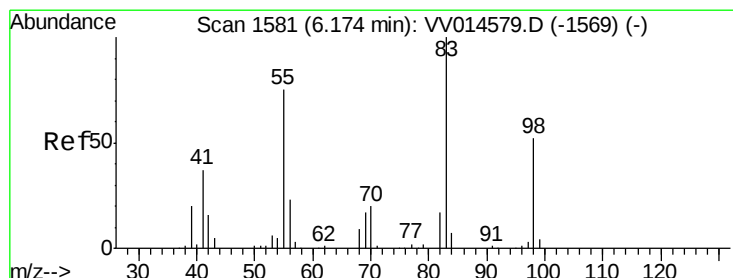
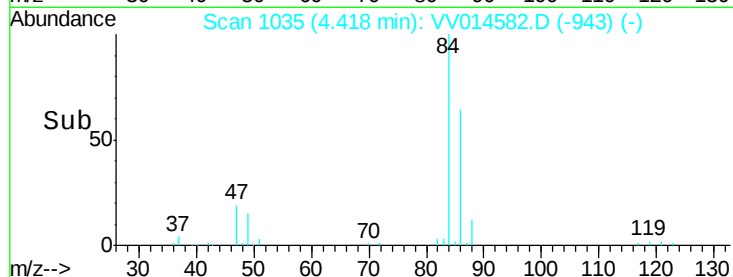
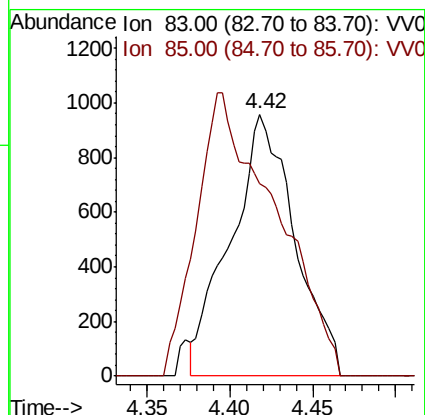
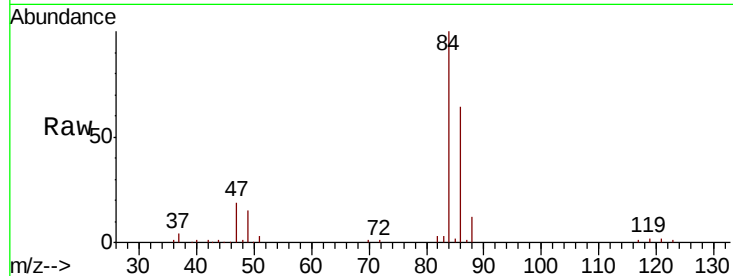




#25
Chloroform
Concen: 0.768 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV014582.D
Acq: 13 Feb 2020 12:29

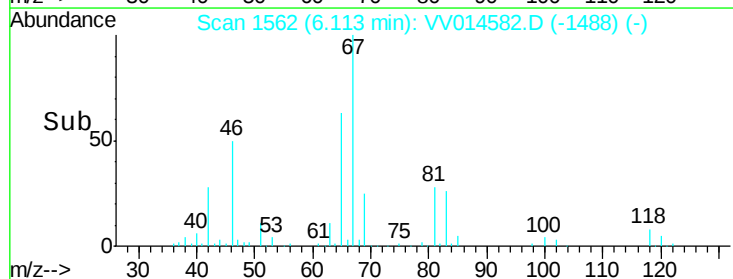
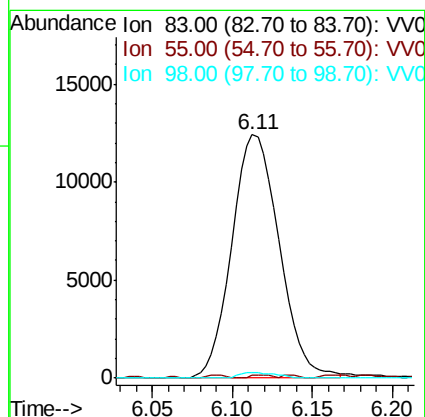
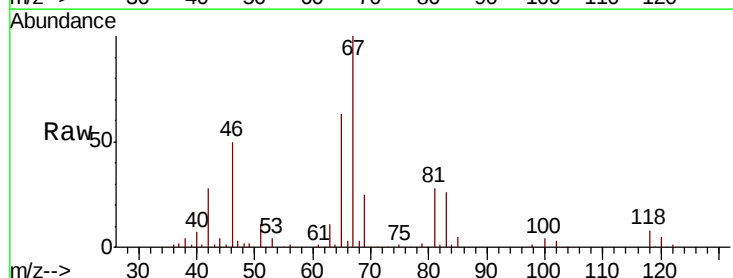
Instrument :
BNA_G
ClientSampleId :

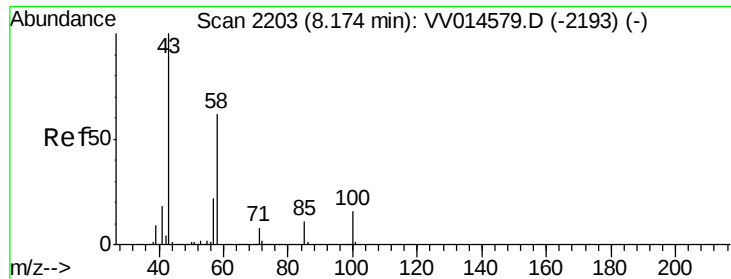
Tot Ion: 83 Resp: 2579
Ion Ratio Lower Upper
83 100
85 73.7 45.0 83.6



#35
Methylcyclohexane
Concen: 8.498 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014582.D
Acq: 13 Feb 2020 12:29

Tgt Ion: 83 Resp: 25143
Ion Ratio Lower Upper
83 100
55 0.5 57.8 86.6#
98 1.7 39.7 59.5#

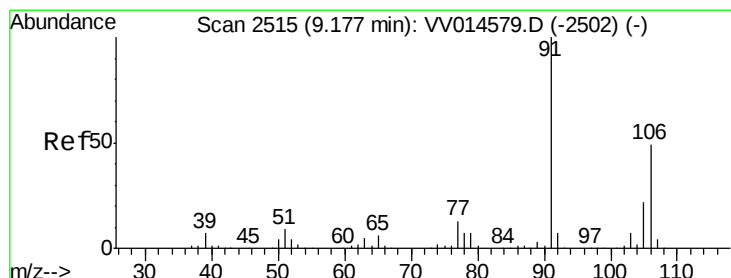
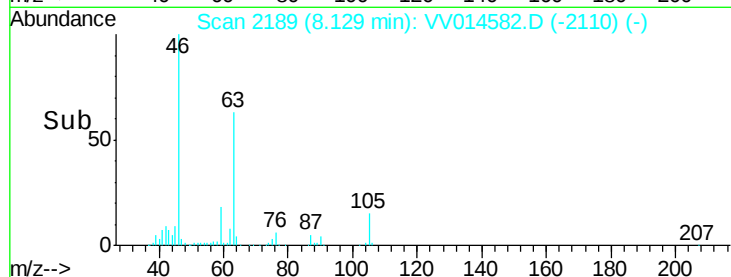
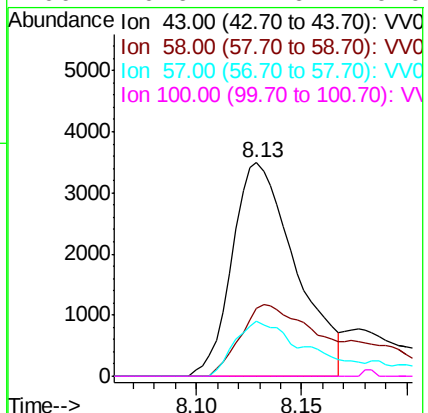
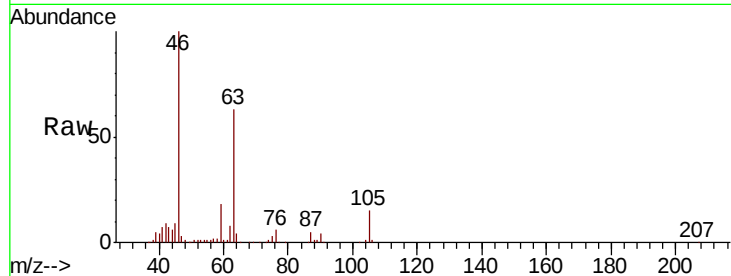




#48
2-Hexanone
Concen: 4.396 ug/L
RT: 8.13 min Scan# 2189
Delta R.T. -0.05 min
Lab File: VV014582.D
Acq: 13 Feb 2020 12:29

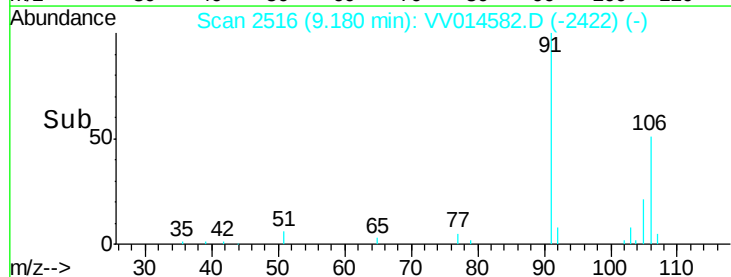
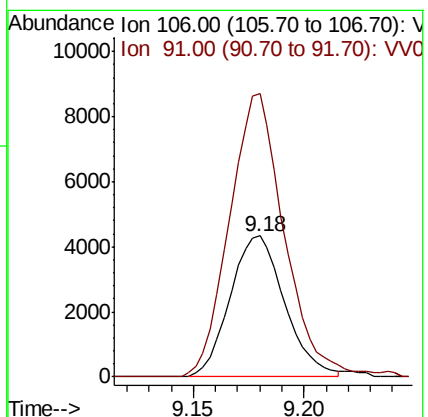
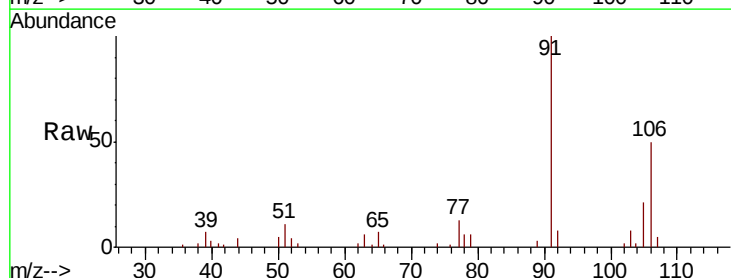
Instrument :
BNA_G
ClientSampleId :

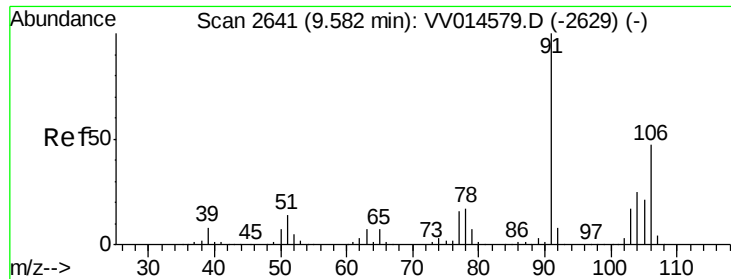
Tot Ion: 43 Resp: 7320
Ion Ratio Lower Upper
43 100
58 38.1 50.4 75.6#
57 20.9 17.8 26.6
100 0.6 12.6 19.0#



#53
m,p-Xylene
Concen: 2.206 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV014582.D
Acq: 13 Feb 2020 12:29

Tgt Ion: 106 Resp: 7461
Ion Ratio Lower Upper
106 100
91 200.7 142.4 264.4

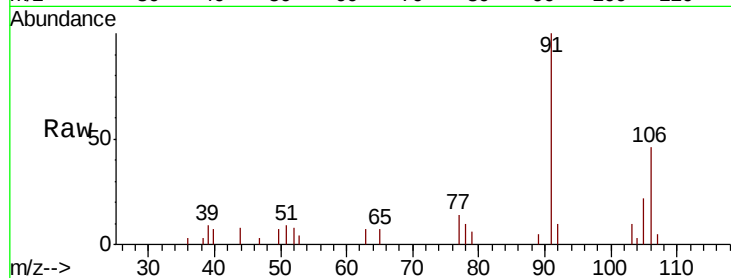




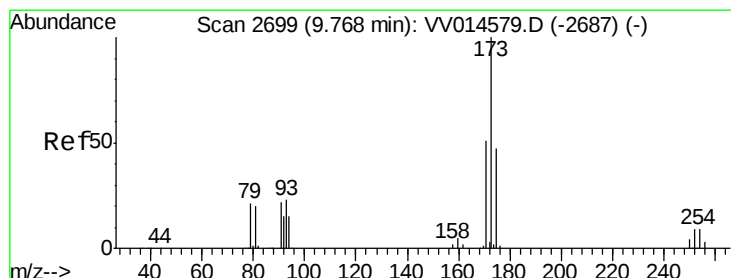
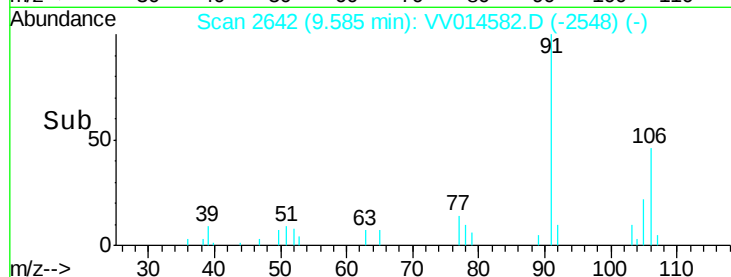
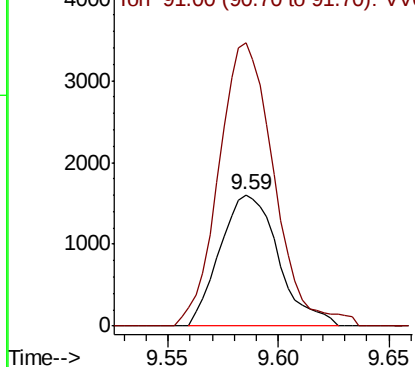
#54
o-xylene
Concen: 0.915 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV014582.D
Acq: 13 Feb 2020 12:29

Instrument :
BNA_G
ClientSampled :

Tot Ion:106 Resp: 2957
Ion Ratio Lower Upper
106 100
91 215.8 150.5 279.5

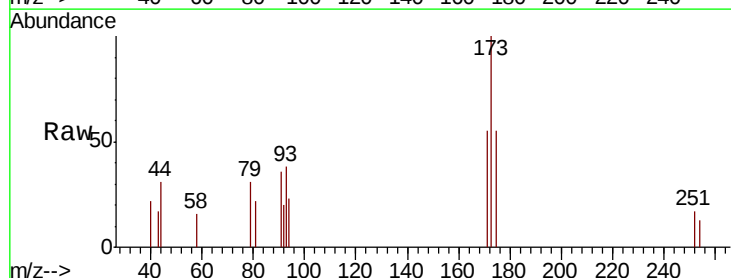


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

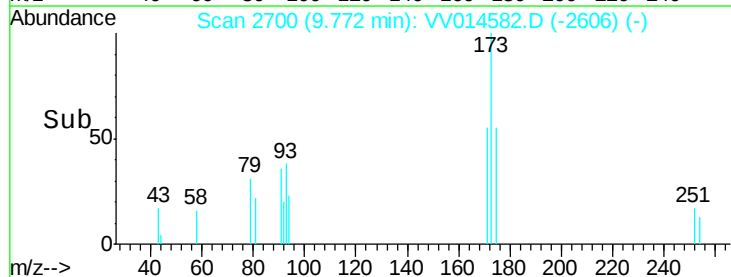
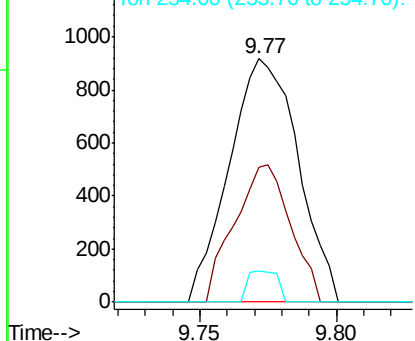


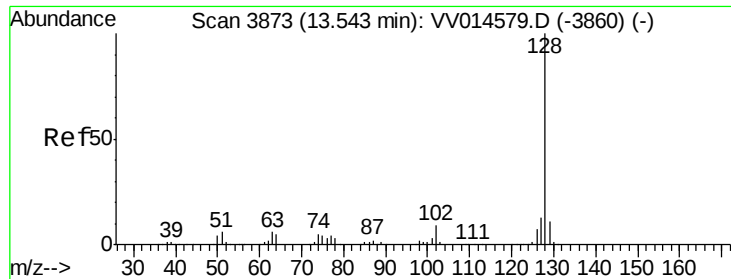
#61
Bromoform
Concen: 1.140 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VV014582.D
Acq: 13 Feb 2020 12:29

Tgt Ion:173 Resp: 1608
Ion Ratio Lower Upper
173 100
175 45.8 39.3 58.9
254 4.1 7.1 10.7#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V





#69

Naphthalene

Concen: 4.806 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

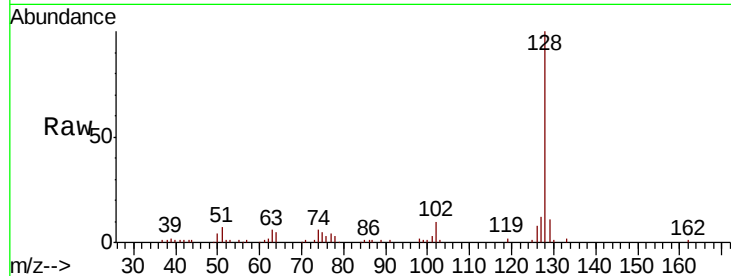
Lab File: VV014582.D

Acq: 13 Feb 2020 12:29

Instrument :

BNA_G

ClientSampleId :



Tot Ion:128 Resp: 39992

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 11.4 8.6 13.0

