

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035118.D
 Acq On : 12 Oct 2019 03:40
 Operator : JC/SP
 Sample : K5309-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 01:19:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 01:16:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	174465	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	178495	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	74107	5.00	ug/L	0.00

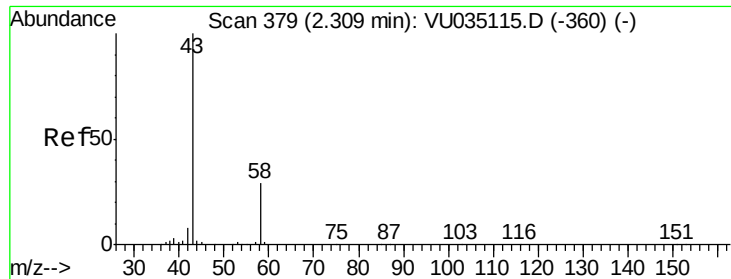
System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52517	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.68	69	48994	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.26	63	76920	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.19	46	169167	55.70	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.40%
24) Chloroform-d	4.62	84	96713	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.29	65	56598	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.32	84	194631	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.31	67	66439	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.55	98	168700	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.84	79	19697	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.30	63	118453	49.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57621	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	62310	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.33	43	18180	7.309	ug/L	93
21) 2-Butanone	4.38	43	36728	10.369	ug/L #	49
25) Chloroform	4.65	83	8002	0.299	ug/L	99
27) 1,2-Dichloroethane	5.39	62	1992	0.127	ug/L #	79
35) Methylcyclohexane	6.31	83	15268	0.680	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7612	0.525	ug/L #	89
42) Toluene	7.62	91	27327	0.487	ug/L	99
48) 2-Hexanone	8.36	43	9639	1.540	ug/L #	91
53) m,p-Xylene	9.36	106	2912	0.127	ug/L	77
55) Styrene	9.78	104	4751	0.131	ug/L	98
59) 1,2,3-Trichloropropane	11.47	75	9355	0.996	ug/L #	88
61) Bromoform	9.94	173	1822	0.358	ug/L #	96

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



#13

Acetone

Concen: 7.309 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.02 min

Lab File: VU035118.D

Acq: 12 Oct 2019 03:40

Instrument :

MSVOA_U

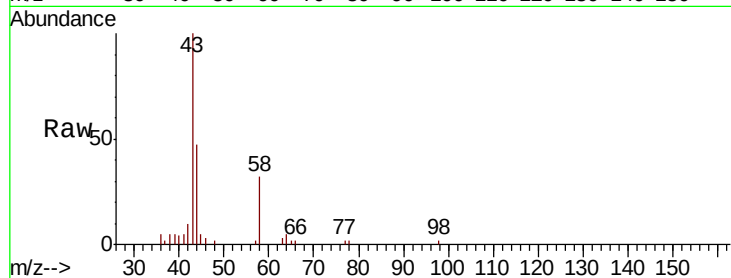
ClientSampleId :

Tot Ion: 43 Resp: 18180

Ion Ratio Lower Upper

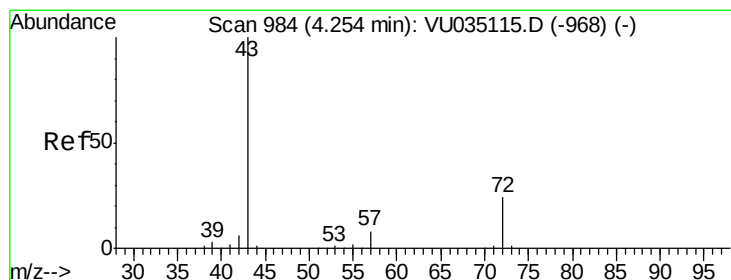
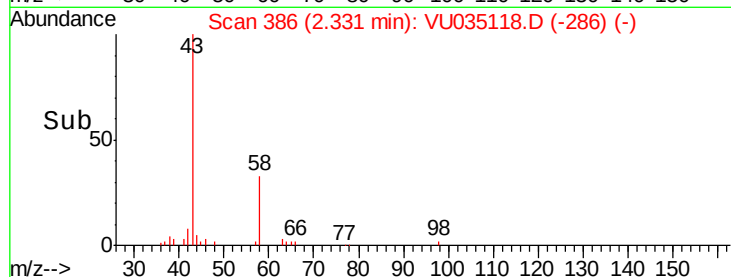
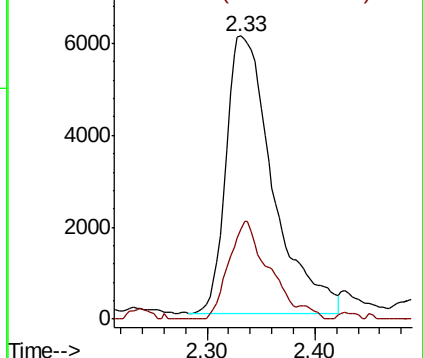
43 100

58 29.6 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035118.D (-386) (-)

Ion 58.05 (57.75 to 58.75): VU035118.D (-386) (-)



#21

2-Butanone

Concen: 10.369 ug/L

RT: 4.38 min Scan# 1023

Delta R.T. 0.13 min

Lab File: VU035118.D

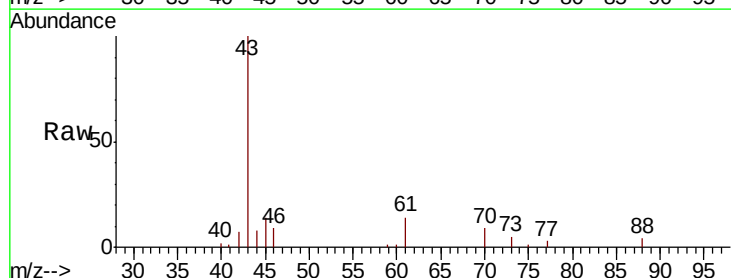
Acq: 12 Oct 2019 03:40

Tgt Ion: 43 Resp: 36728

Ion Ratio Lower Upper

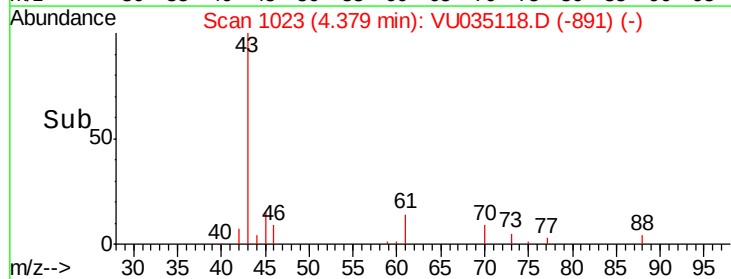
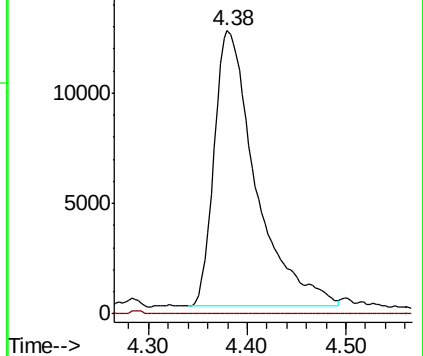
43 100

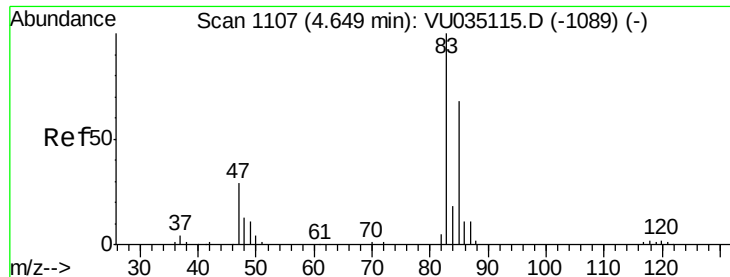
72 0.3 13.5 40.4#



Abundance Ion 43.05 (42.75 to 43.75): VU035118.D (-1023) (-)

Ion 72.10 (71.80 to 72.80): VU035118.D (-1023) (-)

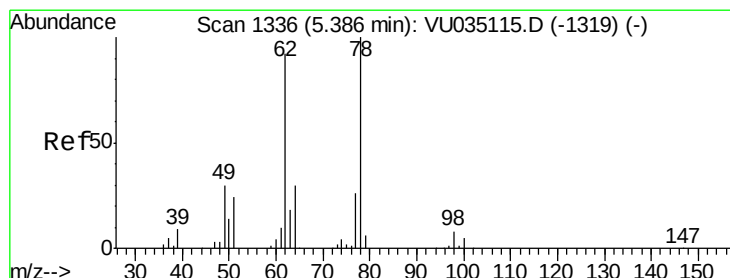
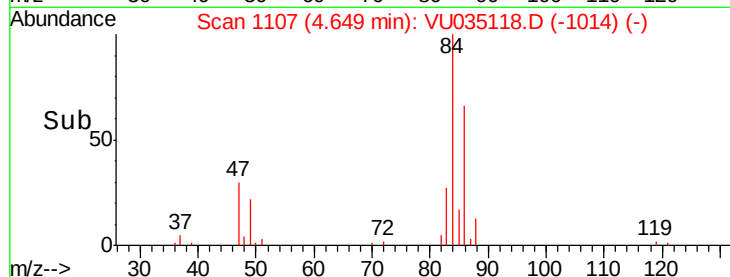
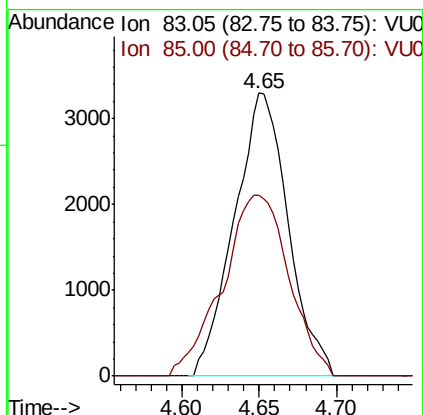
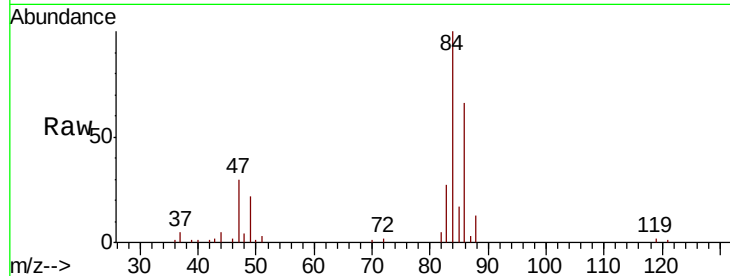




#25
Chloroform
Concen: 0.299 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU035118.D
Acq: 12 Oct 2019 03:40

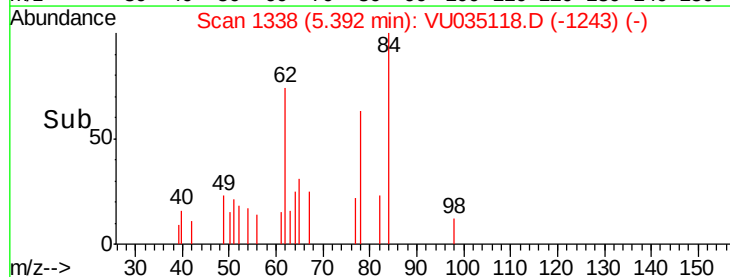
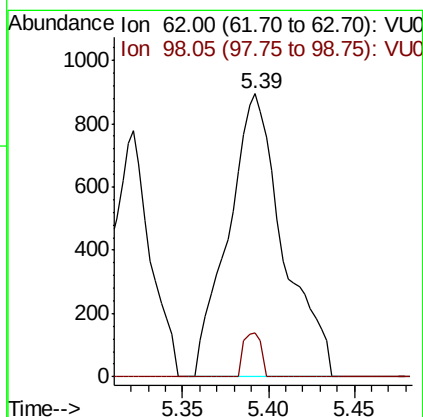
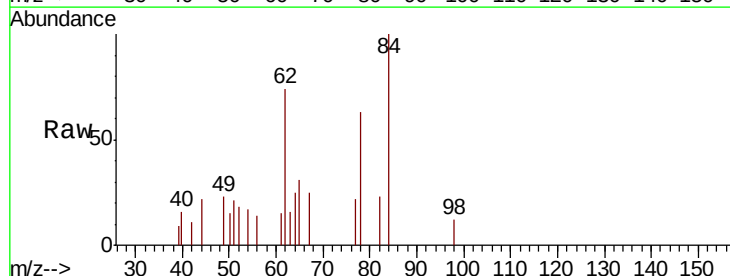
Instrument :
MSVOA_U
ClientSampleId :

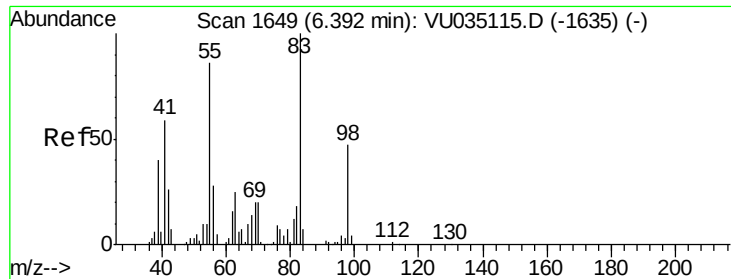
Tot Ion: 83 Resp: 8002
Ion Ratio Lower Upper
83 100
85 63.7 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.127 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU035118.D
Acq: 12 Oct 2019 03:40

Tgt Ion: 62 Resp: 1992
Ion Ratio Lower Upper
62 100
98 15.7 6.6 10.0#

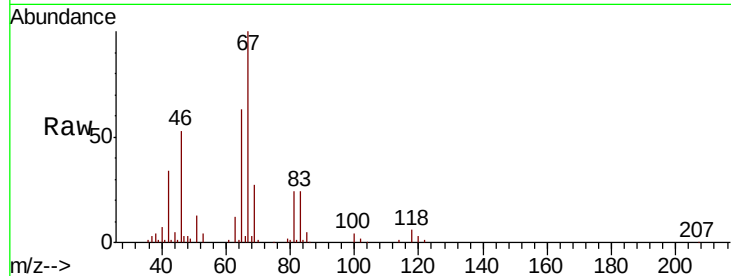




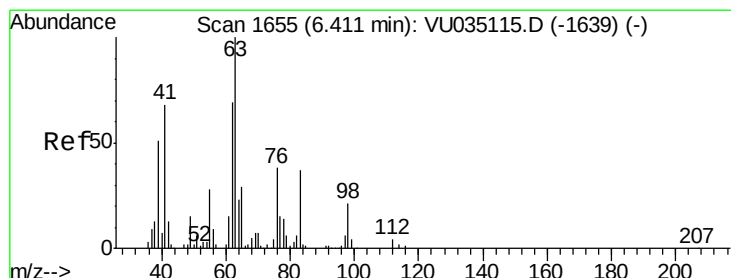
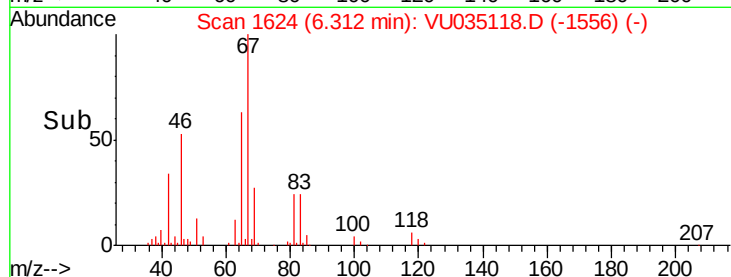
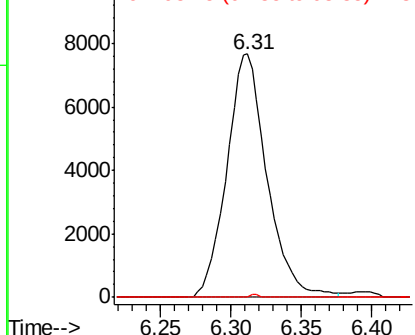
#35
Methylvlcyclohexane
Concen: 0.680 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU035118.D
Acq: 12 Oct 2019 03:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 15268
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.3 36.2 54.2#

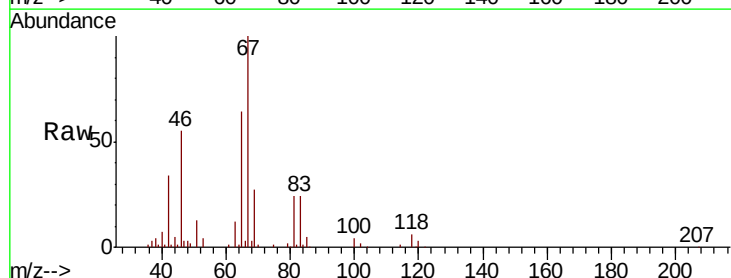


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

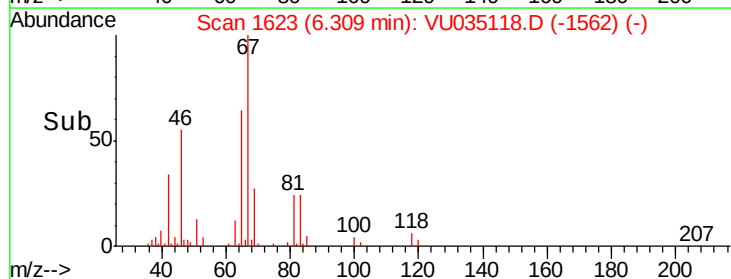
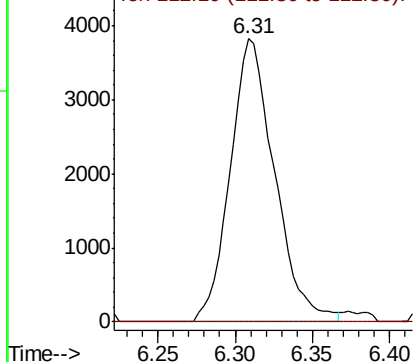


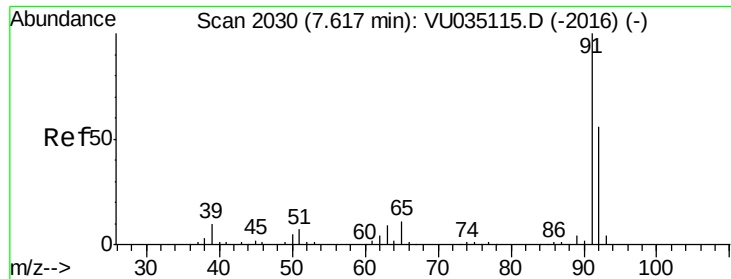
#37
1,2-Dichloropropane
Concen: 0.525 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU035118.D
Acq: 12 Oct 2019 03:40

Tgt Ion: 63 Resp: 7612
Ion Ratio Lower Upper
63 100
112 0.2 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.487 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU035118.D

Acq: 12 Oct 2019 03:40

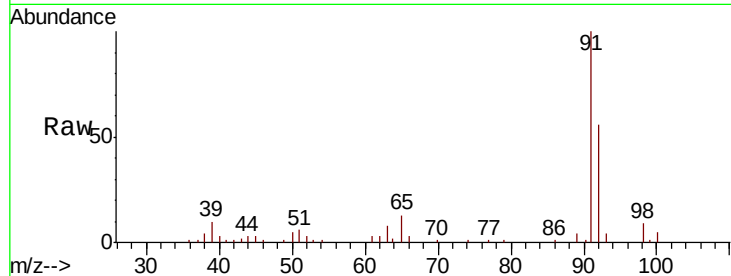
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 27327

Ion Ratio Lower Upper

91 100

92 56.5 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035118.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU035118.D (-2016) (-)

7.62

15000

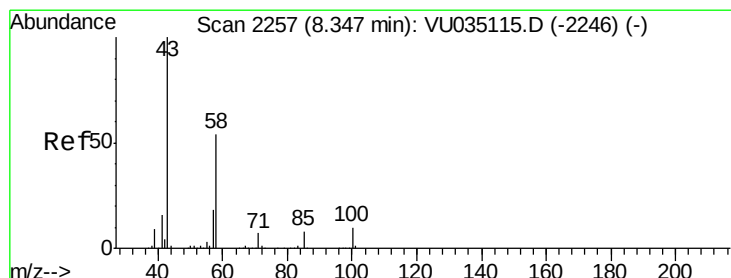
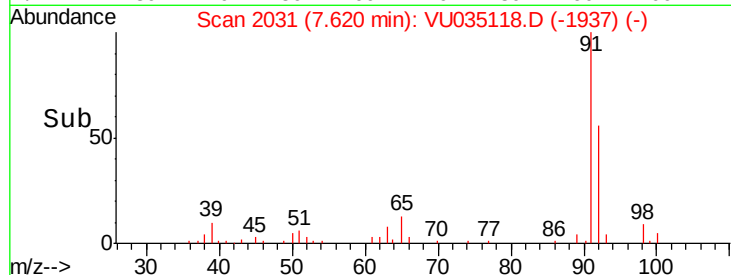
10000

5000

0

7.55 7.60 7.65 7.70

Time-->



#48

2-Hexanone

Concen: 1.540 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.01 min

Lab File: VU035118.D

Acq: 12 Oct 2019 03:40

Tgt Ion: 43 Resp: 9639

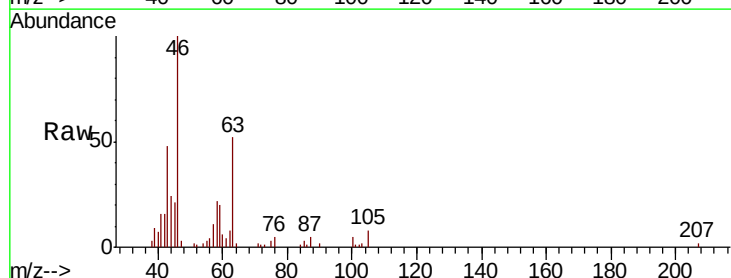
Ion Ratio Lower Upper

43 100

58 48.7 44.1 66.1

57 16.4 15.8 23.8

100 7.0 9.4 14.2#



Abundance Ion 43.05 (42.75 to 43.75): VU035118.D (-2246) (-)

Ion 58.05 (57.75 to 58.75): VU035118.D (-2246) (-)

Ion 57.20 (56.90 to 57.90): VU035118.D (-2246) (-)

Ion 100.15 (99.85 to 100.85): VU035118.D (-2246) (-)

8.36

10000

8000

6000

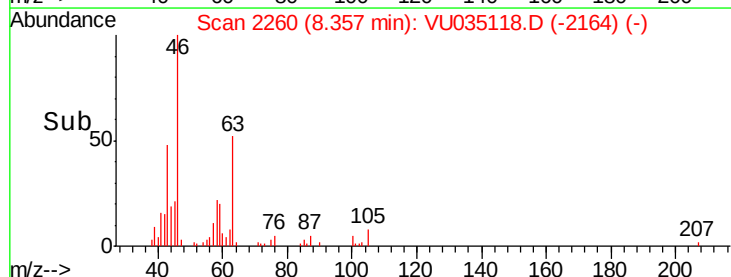
4000

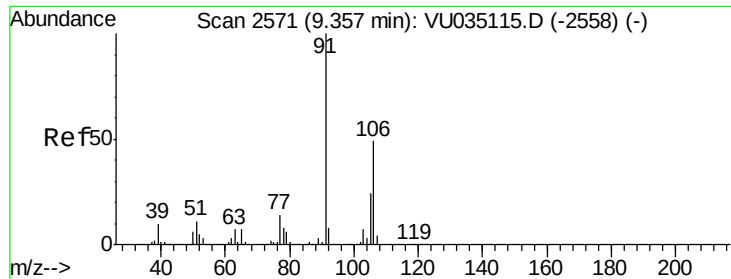
2000

0

8.30 8.35 8.40 8.45

Time-->

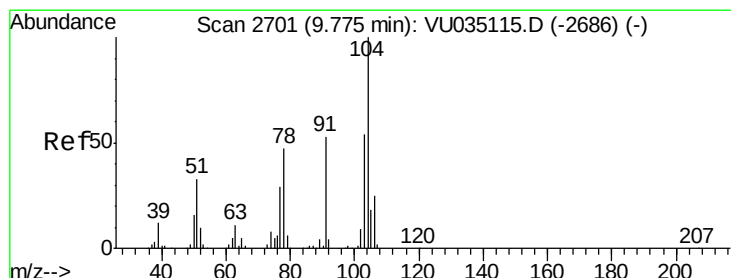
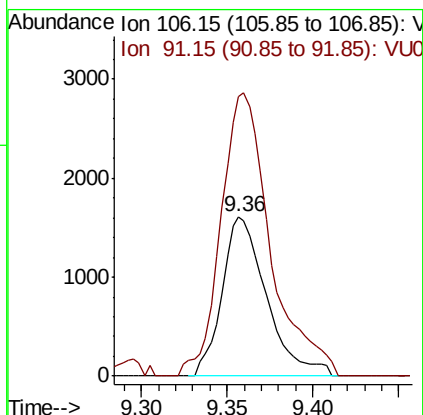
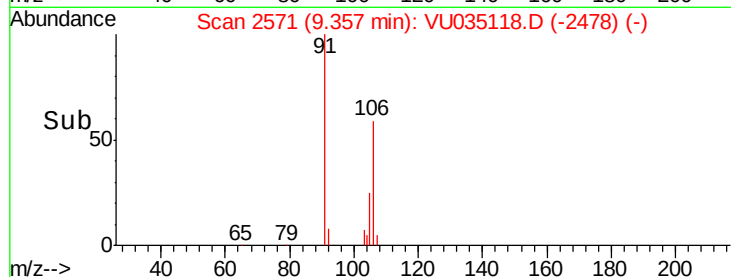
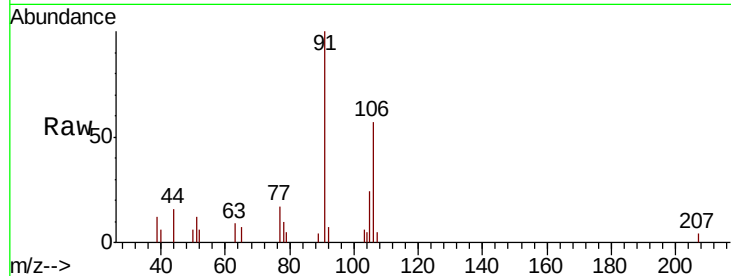




#53
m,p-Xylene
Concen: 0.127 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU035118.D
Acq: 12 Oct 2019 03:40

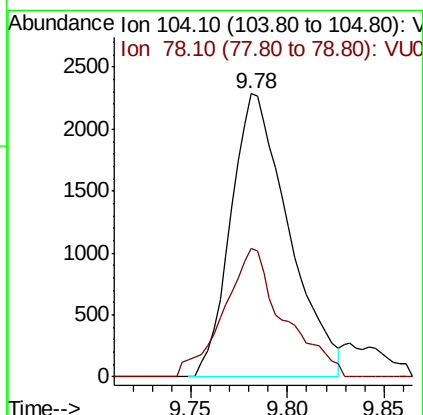
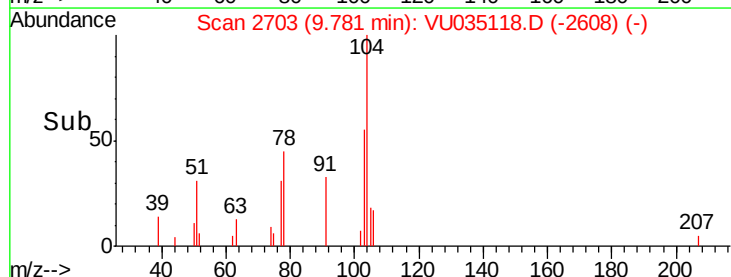
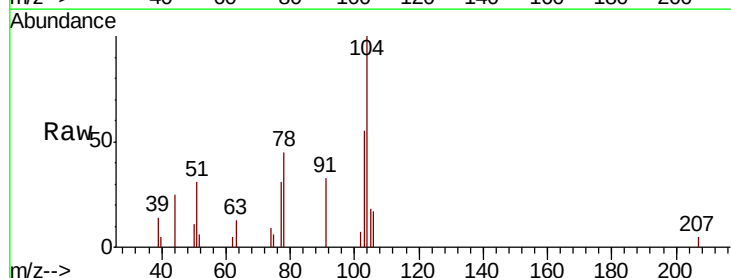
Instrument :
MSVOA_U
ClientSampleId :

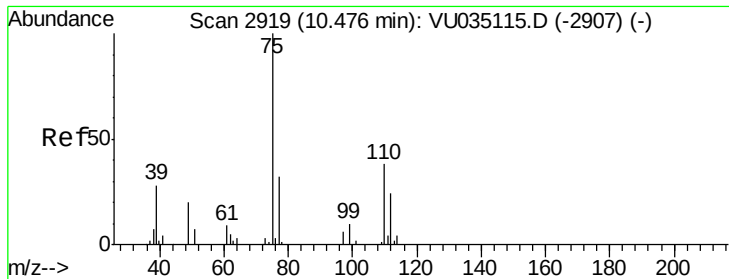
Tot Ion:106 Resp: 2912
Ion Ratio Lower Upper
106 100
91 175.2 147.6 274.0



#55
Styrene
Concen: 0.131 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU035118.D
Acq: 12 Oct 2019 03:40

Tgt Ion:104 Resp: 4751
Ion Ratio Lower Upper
104 100
78 45.3 32.8 60.8





#59

1,2,3-Trichloropropane

Concen: 0.996 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU035118.D

Acq: 12 Oct 2019 03:40

Instrument :

MSVOA_U

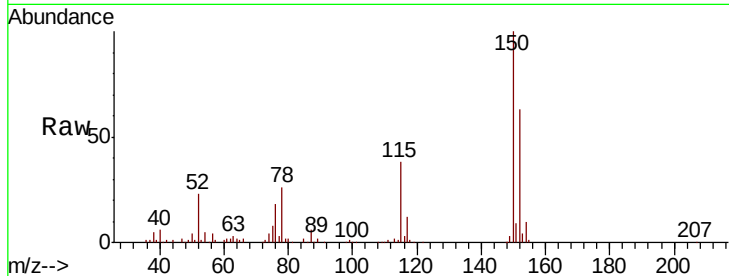
ClientSampled :

Tot Ion: 75 Resp: 9355

Ion Ratio Lower Upper

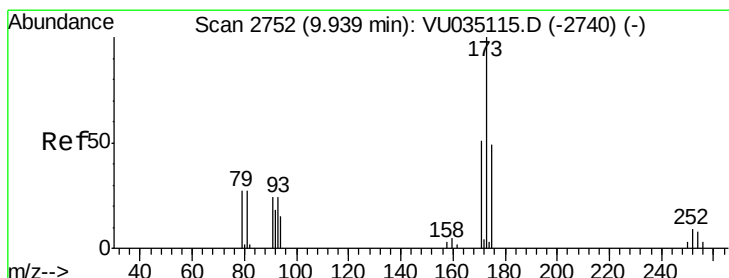
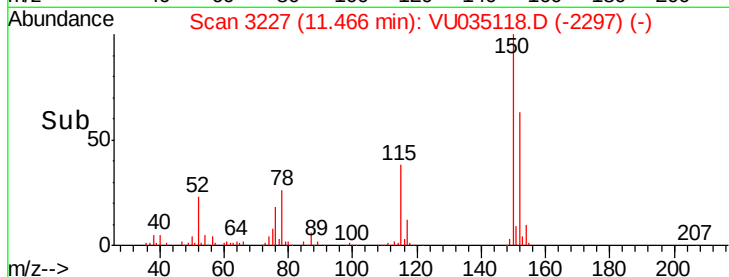
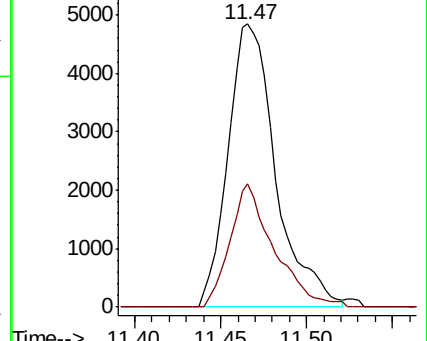
75 100

77 40.0 26.5 39.7#



Abundance Ion 75.00 (74.70 to 75.70): VU035118.D (-2297) (-)

Ion 77.00 (76.70 to 77.70): VU035118.D (-2297) (-)



#61

Bromoform

Concen: 0.358 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU035118.D

Acq: 12 Oct 2019 03:40

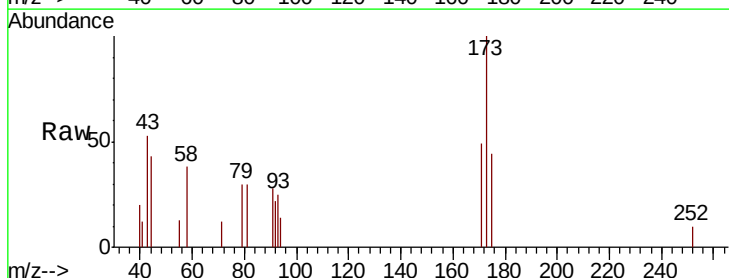
Tgt Ion: 173 Resp: 1822

Ion Ratio Lower Upper

173 100

175 46.5 37.2 55.8

254 0.0 6.6 9.8#



Abundance Ion 172.90 (172.60 to 173.60): VU035118.D (-2659) (-)

Ion 174.90 (174.60 to 175.60): VU035118.D (-2659) (-)

Ion 253.75 (253.45 to 254.45): VU035118.D (-2659) (-)

