

Data File : VU035309.D
Acq On : 19 Oct 2019 11:31
Operator : JC/SP
Sample : K5344-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF6L4

Quant Time: Oct 21 05:46:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 05:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	656742	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	632238	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	232111	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	276352	48.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.84%
7) Chloroethane-d5	1.93	69	232702	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.16%
11) 1,1-Dichloroethene-d2	2.60	63	352003	37.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.52%
21) 2-Butanone-d5	4.70	46	378918	101.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.18%
24) Chloroform-d	5.12	84	433867	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
26) 1,2-Dichloroethane-d4	5.75	65	290788	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
32) Benzene-d6	5.77	84	912304	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.08%
36) 1,2-Dichloropropane-d6	6.74	67	291441	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.04%
41) Toluene-d8	7.94	98	844476	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%
43) trans-1,3-Dichloropropene-	8.21	79	145169	48.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.20%
47) 2-Hexanone-d5	8.68	63	249797	96.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.49%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	399264	46.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	260440	48.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

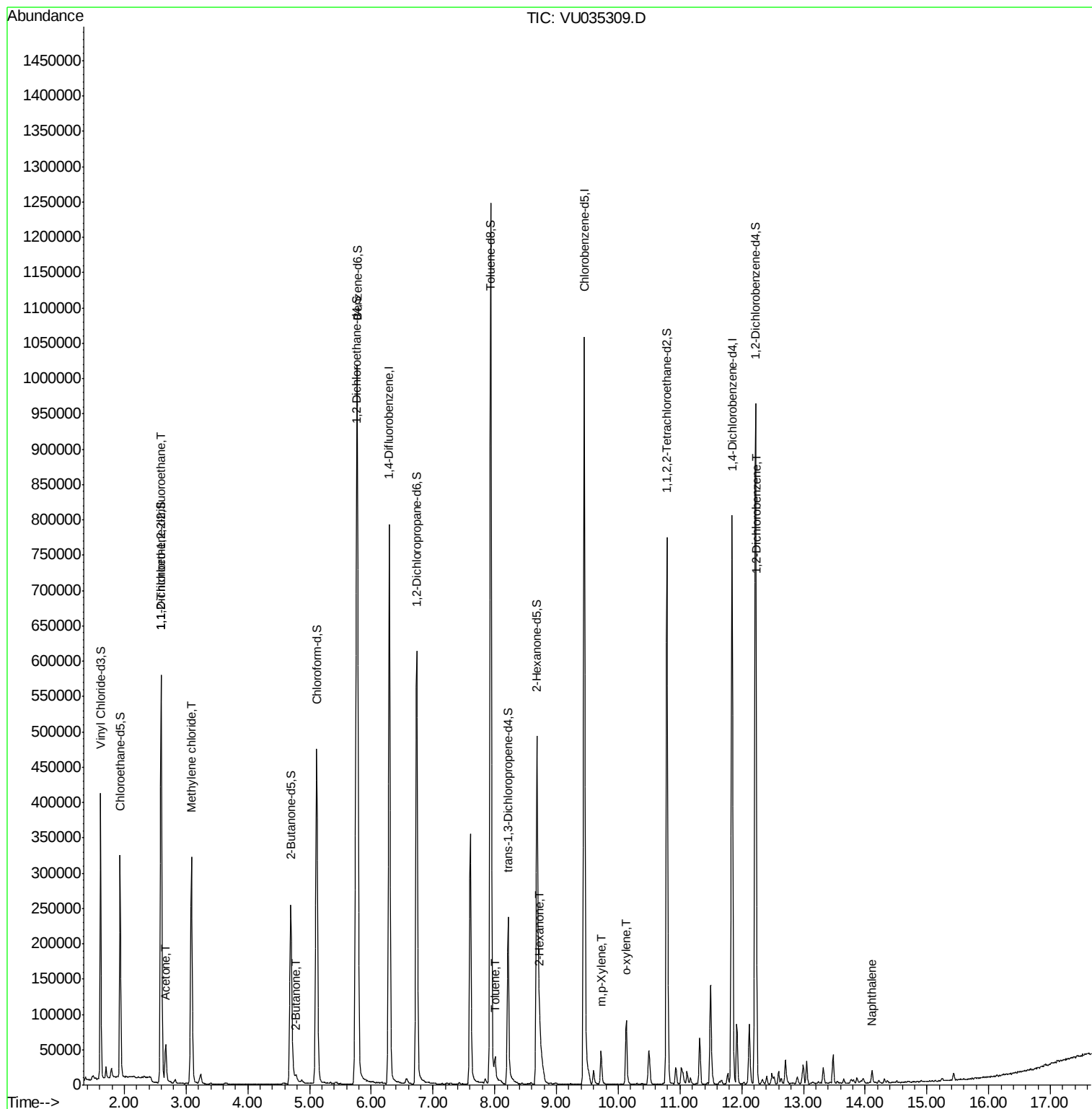
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3189	0.769 ug/L #	23
13) Acetone	2.67	43	60622	18.157 ug/L	100
16) Methylene chloride	3.09	84	159296	33.364 ug/L	99
22) 2-Butanone	4.78	43	9302	2.303 ug/L	99
42) Toluene	8.01	91	19990	1.022 ug/L	91
48) 2-Hexanone	8.74	43	17157	2.949 ug/L #	85
53) m,p-Xylene	9.73	106	14363	1.787 ug/L	98
54) o-xylene	10.13	106	25588	3.209 ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	21788	2.894 ug/L	94
69) Naphthalene	14.11	128	13643	1.782 ug/L	99

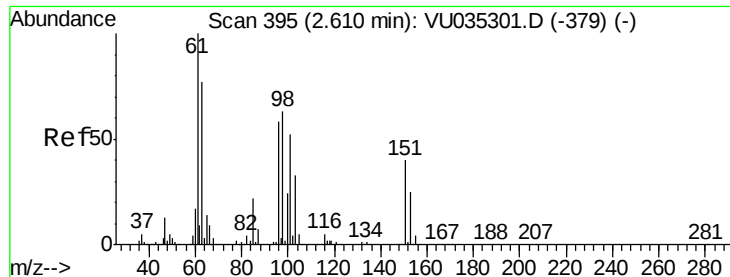
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.769 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035309.D

Acq: 19 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

BF6L4

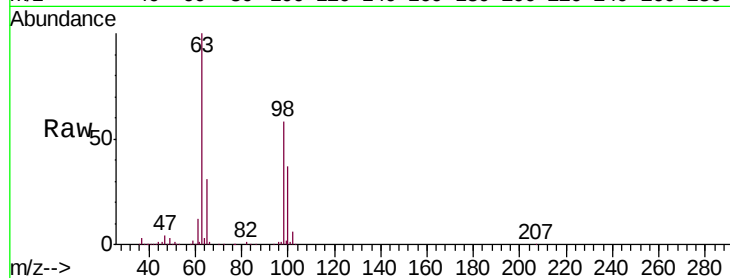
Tgt Ion: 101 Resp: 3189

Ion Ratio Lower Upper

101 100

85 1.3 33.7 50.5#

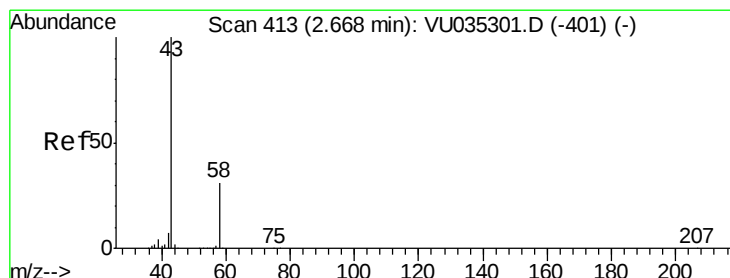
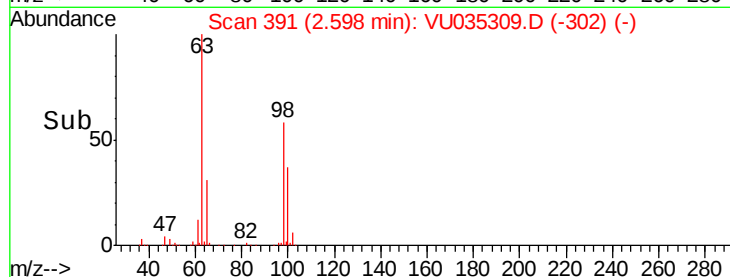
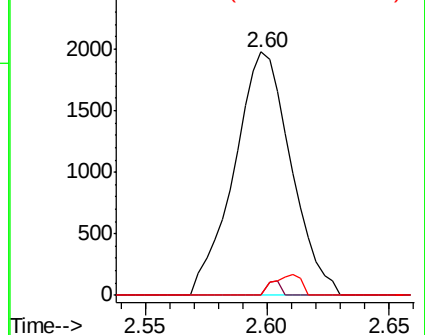
151 4.2 60.3 90.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 18.157 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035309.D

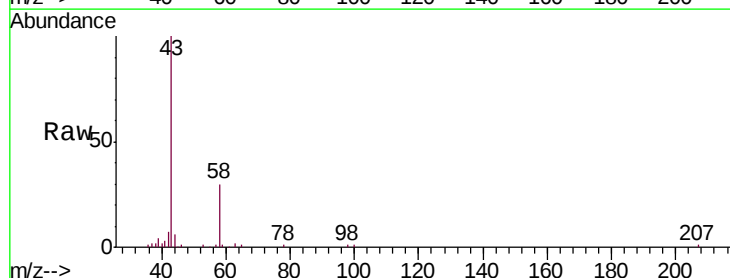
Acq: 19 Oct 2019 11:31

Tgt Ion: 43 Resp: 60622

Ion Ratio Lower Upper

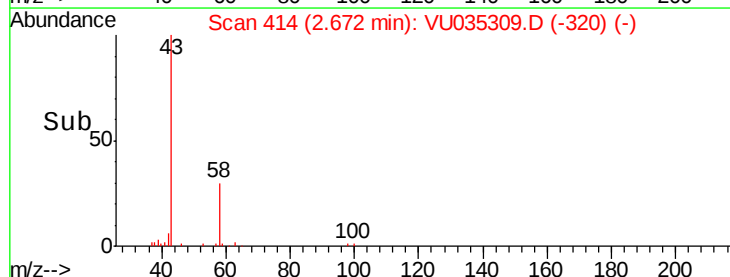
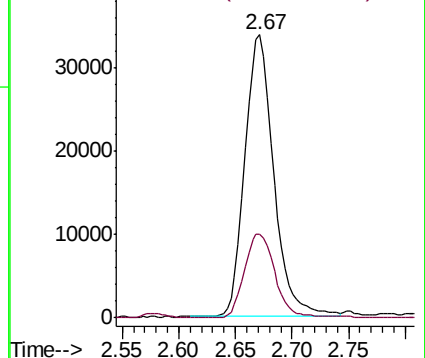
43 100

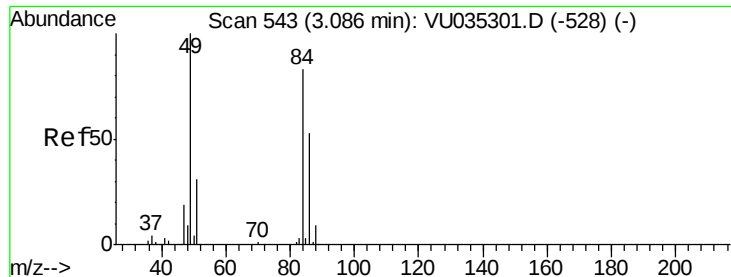
58 31.3 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

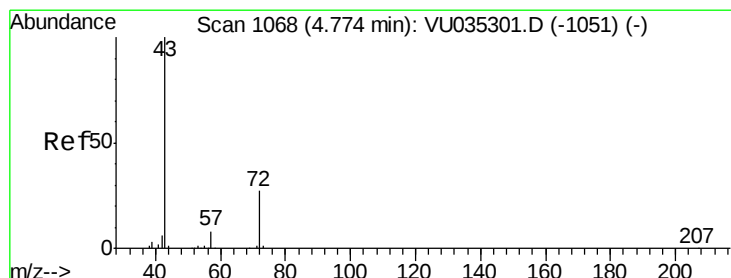
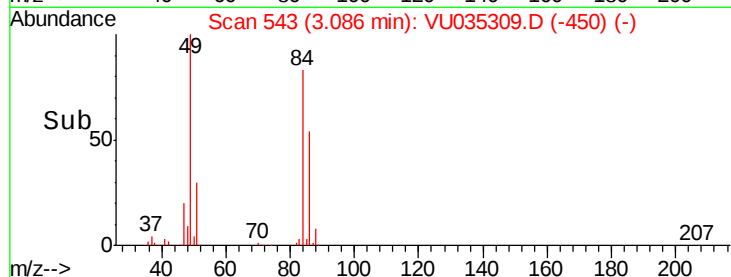
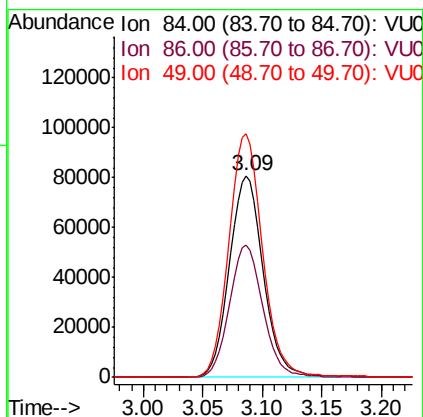
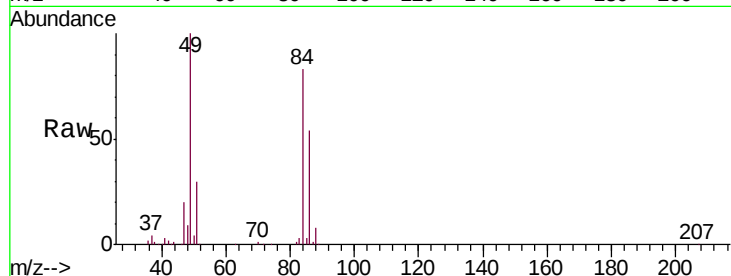




#16
Methylene chloride
Concen: 33.364 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035309.D
Acq: 19 Oct 2019 11:31

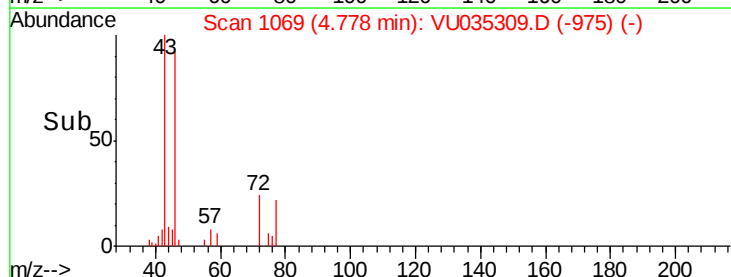
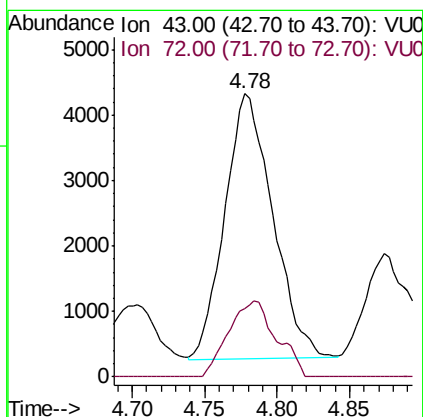
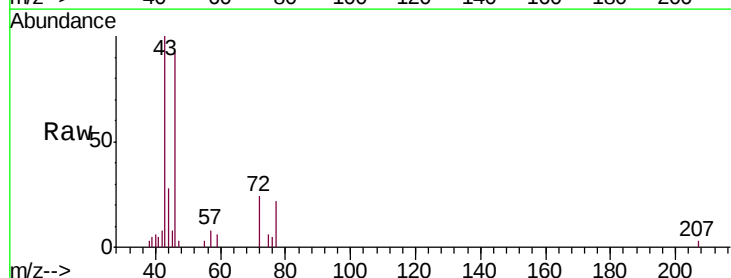
Instrument :
MSVOA_U
ClientSampled :
BF6L4

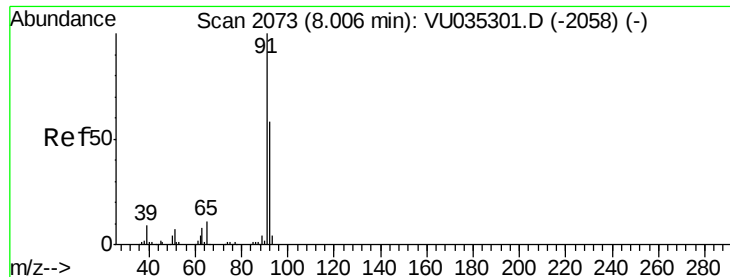
Tgt Ion: 84 Resp: 159296
Ion Ratio Lower Upper
84 100
86 65.6 44.4 82.5
49 120.5 84.0 156.0



#22
2-Butanone
Concen: 2.303 ug/L
RT: 4.78 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU035309.D
Acq: 19 Oct 2019 11:31

Tgt Ion: 43 Resp: 9302
Ion Ratio Lower Upper
43 100
72 25.4 12.9 38.6





#42

Toluene

Concen: 1.022 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035309.D

Acq: 19 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampleId :

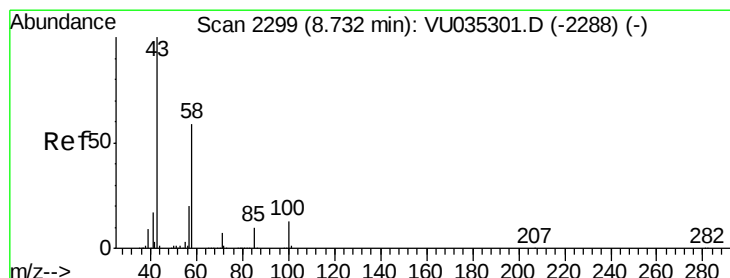
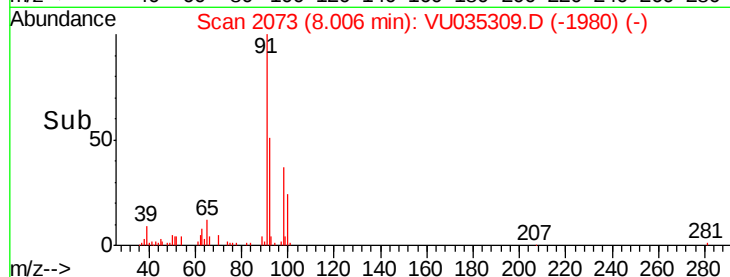
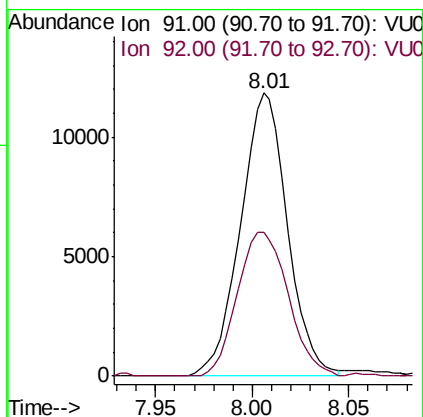
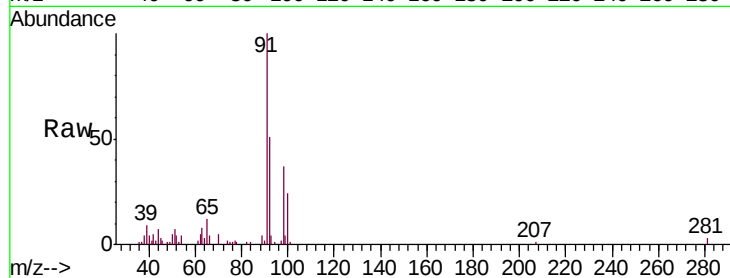
BF6L4

Tgt Ion: 91 Resp: 19990

Ion Ratio Lower Upper

91 100

92 50.9 40.3 74.9



#48

2-Hexanone

Concen: 2.949 ug/L

RT: 8.74 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VU035309.D

Acq: 19 Oct 2019 11:31

Tgt Ion: 43 Resp: 17157

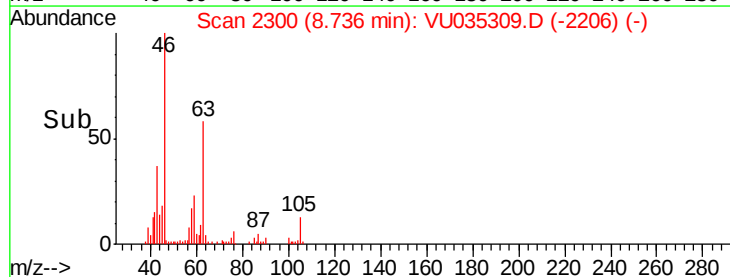
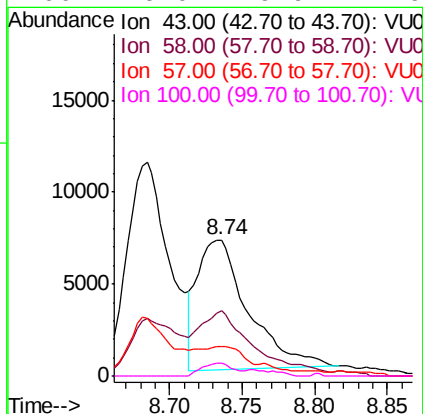
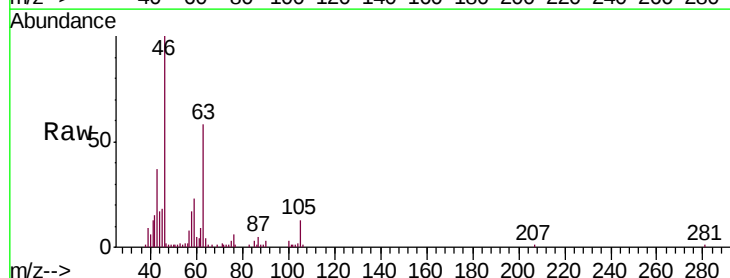
Ion Ratio Lower Upper

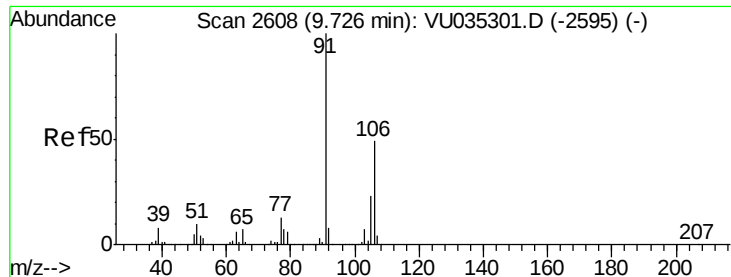
43 100

58 49.6 42.7 64.1

57 0.0 14.8 22.2#

100 6.0 9.9 14.9#





#53

m,p-Xylene

Concen: 1.787 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035309.D

Acq: 19 Oct 2019 11:31

Instrument :

MSVOA_U

ClientSampled :

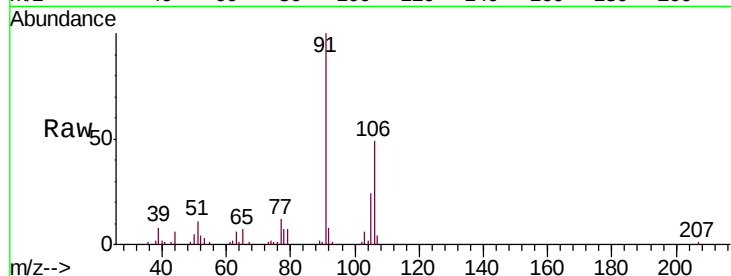
BF6L4

Tgt Ion:106 Resp: 14363

Ion Ratio Lower Upper

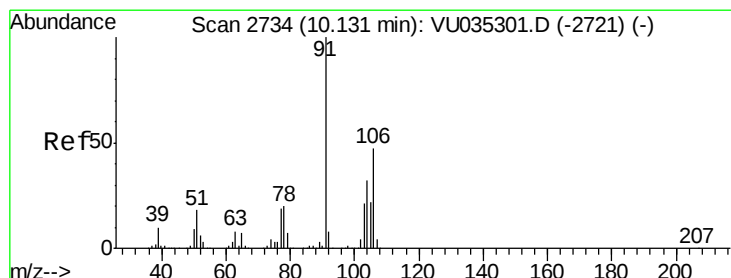
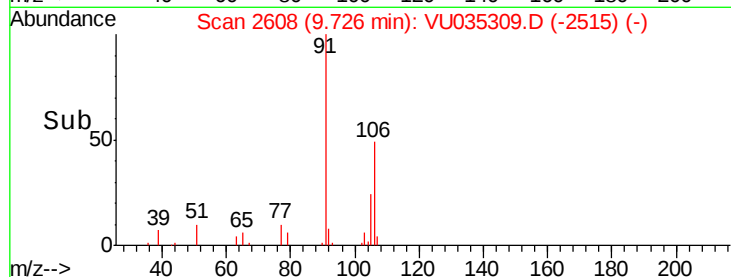
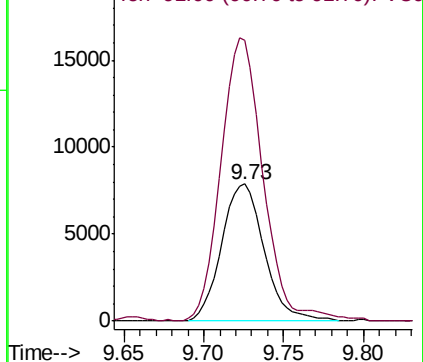
106 100

91 204.7 141.5 262.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 3.209 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU035309.D

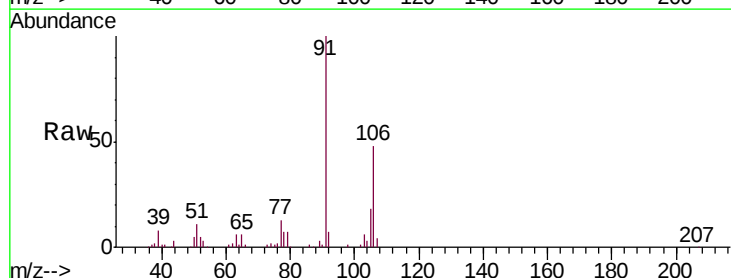
Acq: 19 Oct 2019 11:31

Tgt Ion:106 Resp: 25588

Ion Ratio Lower Upper

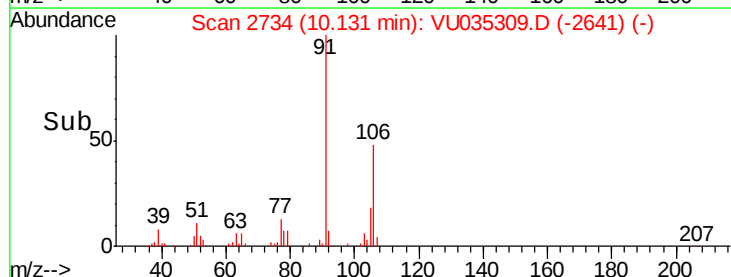
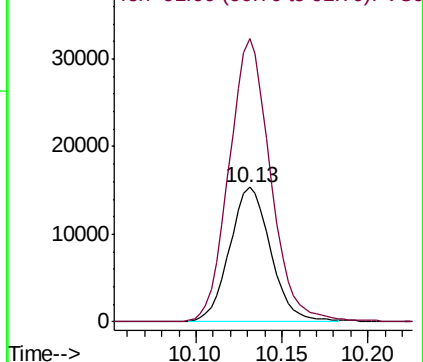
106 100

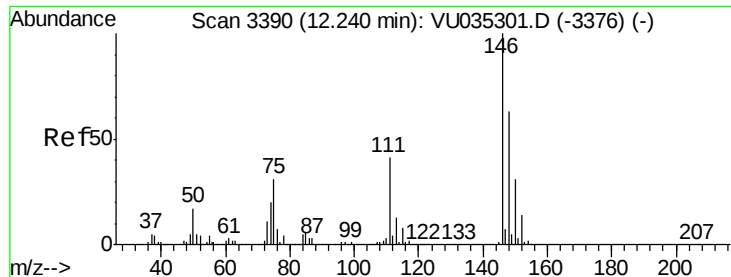
91 210.4 150.6 279.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

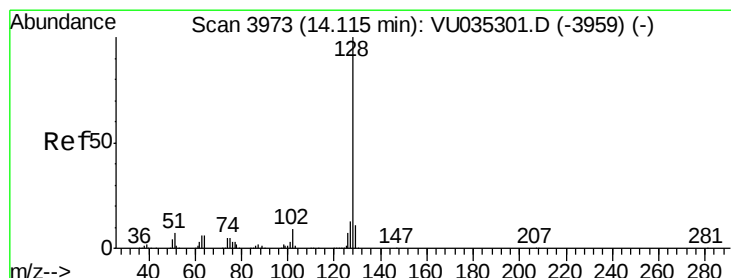
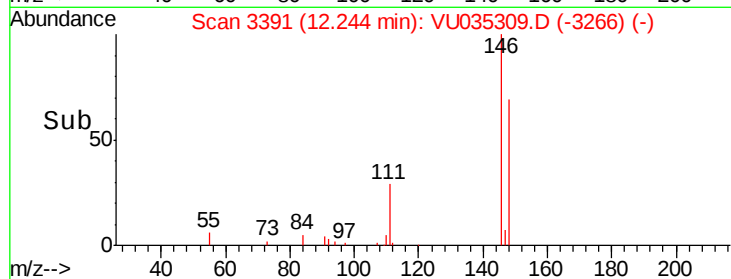
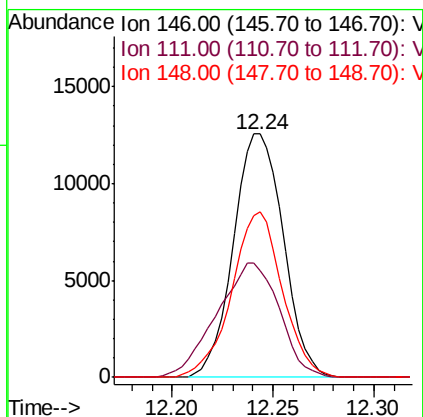
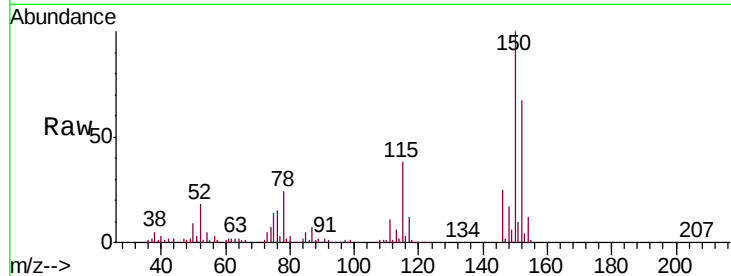




#65
 1,2-Dichlorobenzene
 Concen: 2.894 ug/L
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VU035309.D
 Acq: 19 Oct 2019 11:31

Instrument :
 MSVOA_U
 ClientSampleId :
 BF6L4

Tgt Ion:146 Resp: 21788
 Ion Ratio Lower Upper
 146 100
 111 43.6 32.8 49.2
 148 68.0 50.2 75.4



#69
 Naphthalene
 Concen: 1.782 ug/L
 RT: 14.11 min Scan# 3972
 Delta R.T. -0.00 min
 Lab File: VU035309.D
 Acq: 19 Oct 2019 11:31

Tgt Ion:128 Resp: 13643
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.2 15.4
 129 11.0 8.6 13.0

