

Data File : VU035312.D
Acq On : 19 Oct 2019 12:41
Operator : JC/SP
Sample : K5344-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF6L5

Quant Time: Oct 21 05:47:16 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	681347	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	657725	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	285363	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	281288	47.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.98%
7) Chloroethane-d5	1.93	69	241010	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.59	63	360699	37.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.58%
21) 2-Butanone-d5	4.70	46	383409	98.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.68%
24) Chloroform-d	5.11	84	441994	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
26) 1,2-Dichloroethane-d4	5.75	65	300645	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
32) Benzene-d6	5.77	84	943407	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
36) 1,2-Dichloropropane-d6	6.74	67	303030	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.98%
41) Toluene-d8	7.93	98	869612	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%
43) trans-1,3-Dichloropropene-	8.21	79	147695	47.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.08%
47) 2-Hexanone-d5	8.68	63	272337	101.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.12%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	417672	46.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.72%
64) 1,2-Dichlorobenzene-d4	12.22	152	311230	47.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.08%

Target Compounds

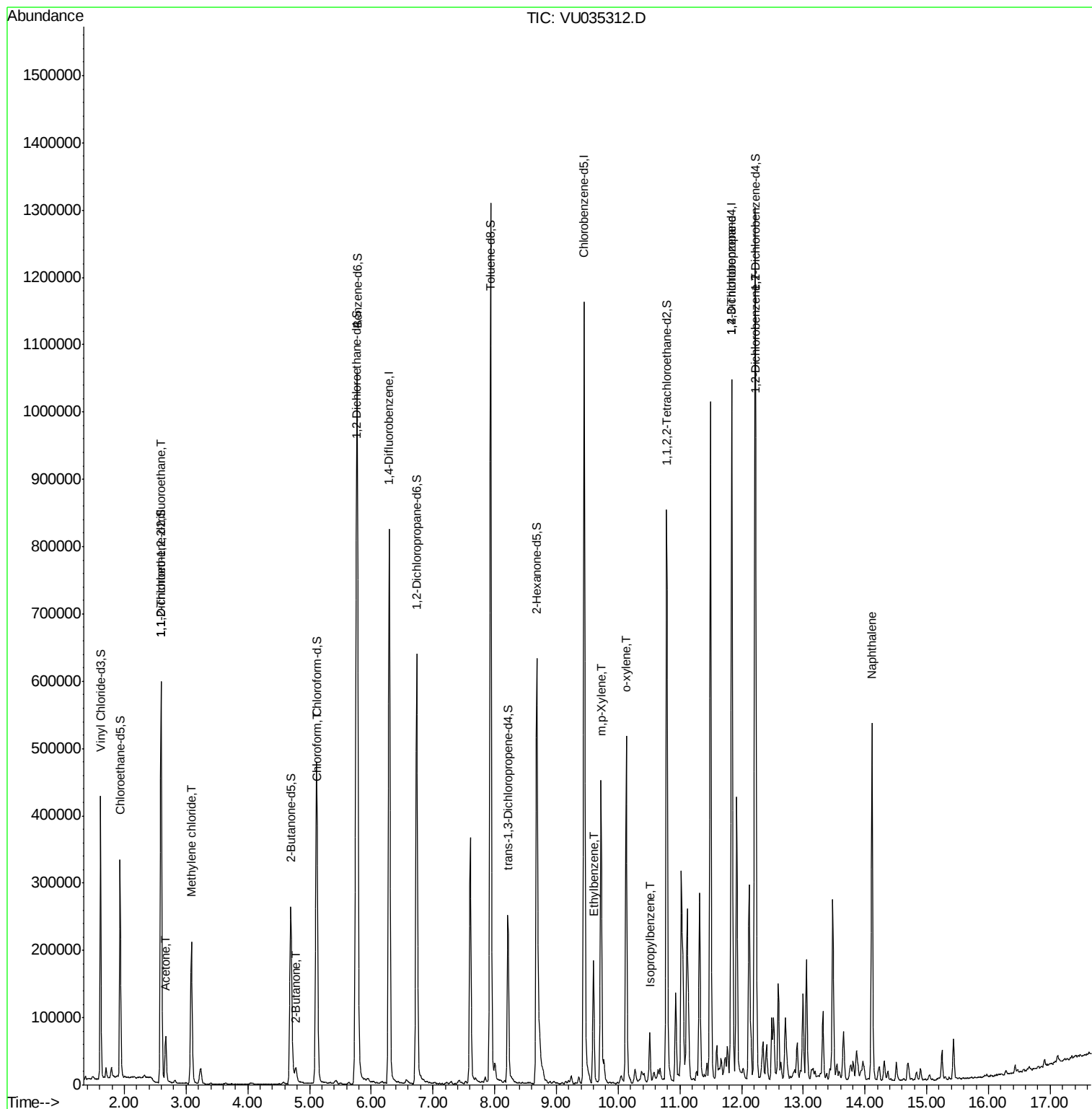
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	3158	0.734	ug/L	# 20
13) Acetone	2.67	43	76922	22.207	ug/L	99
16) Methylene chloride	3.09	84	102867	20.767	ug/L	99
22) 2-Butanone	4.78	43	23996	5.725	ug/L	92
25) Chloroform	5.13	83	14306	1.626	ug/L	89
52) Ethylbenzene	9.60	91	128935	5.683	ug/L	100
53) m,p-Xylene	9.72	106	130225	15.571	ug/L	100
54) o-xylene	10.13	106	136967	16.511	ug/L	99
56) Isopropylbenzene	10.51	105	47079	2.192	ug/L	98
59) 1,2,3-Trichloropropane	11.84	75	37102	5.658	ug/L	92
65) 1,2-Dichlorobenzene	12.24	146	45436	4.909	ug/L	95
69) Naphthalene	14.11	128	417662	44.367	ug/L	100

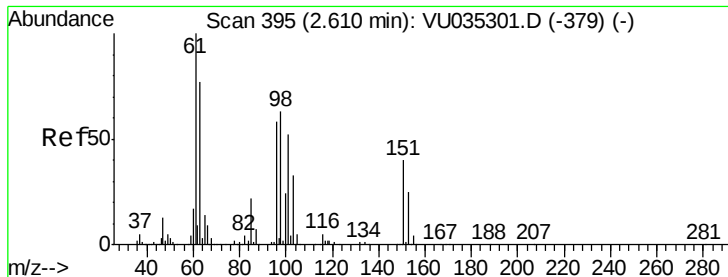
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.734 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU035312.D

Acq: 19 Oct 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

BF6L5

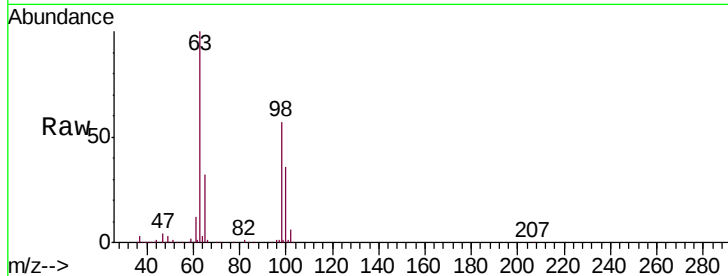
Tgt Ion: 101 Resp: 3158

Ion Ratio Lower Upper

101 100

85 0.0 33.7 50.5#

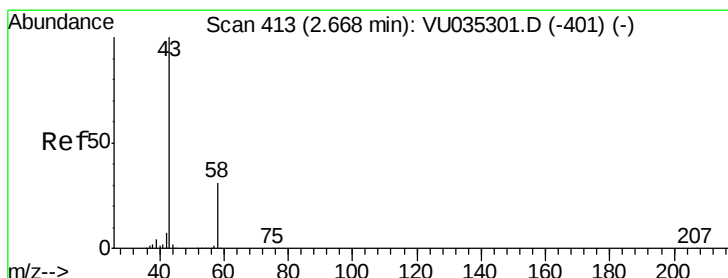
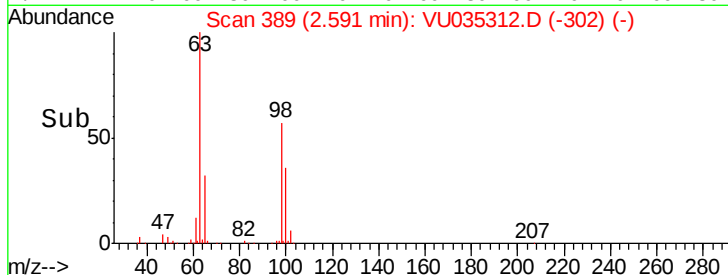
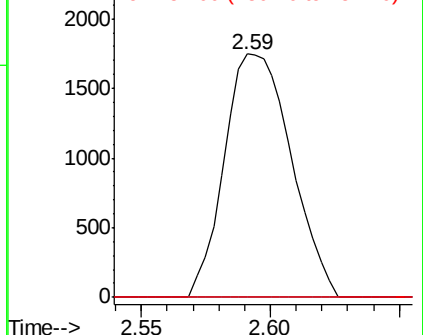
151 0.0 60.3 90.5#



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: 22.207 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035312.D

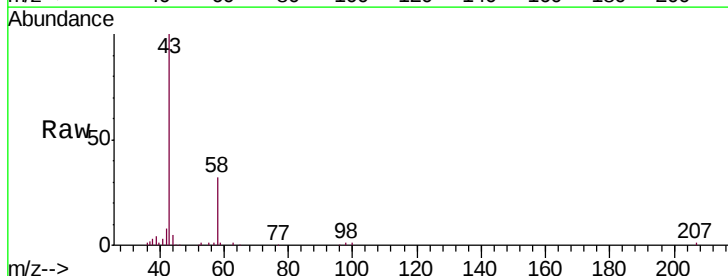
Acq: 19 Oct 2019 12:41

Tgt Ion: 43 Resp: 76922

Ion Ratio Lower Upper

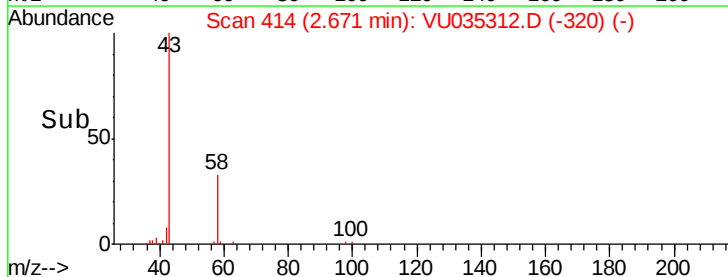
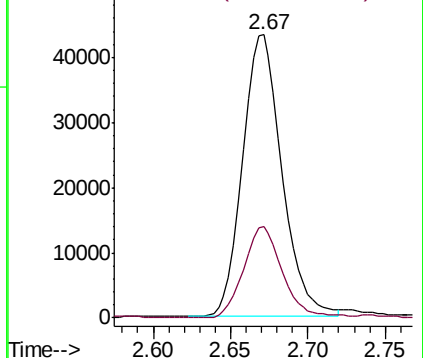
43 100

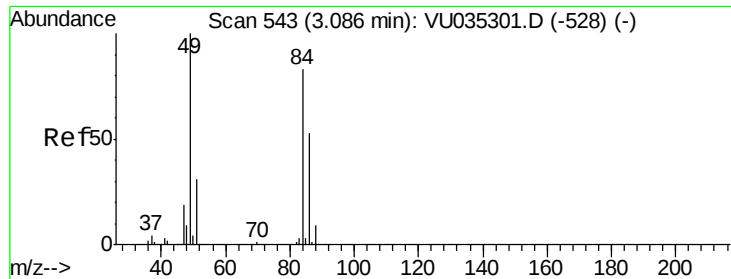
58 32.1 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

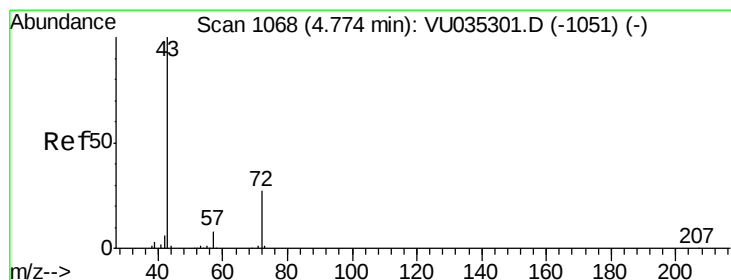
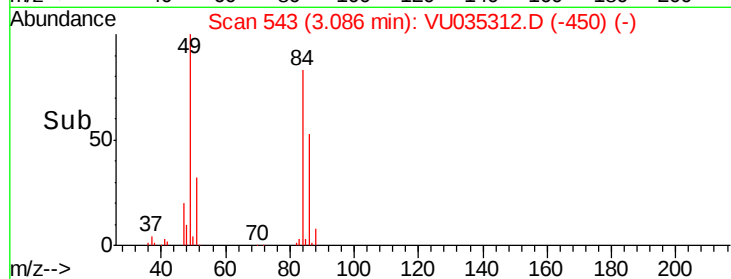
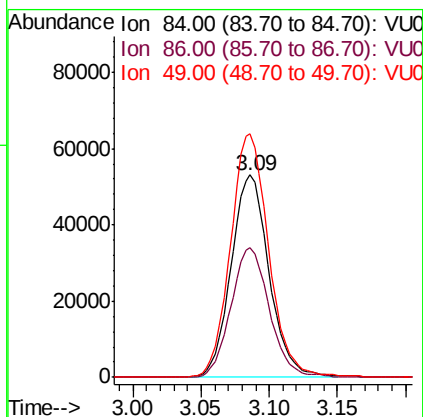
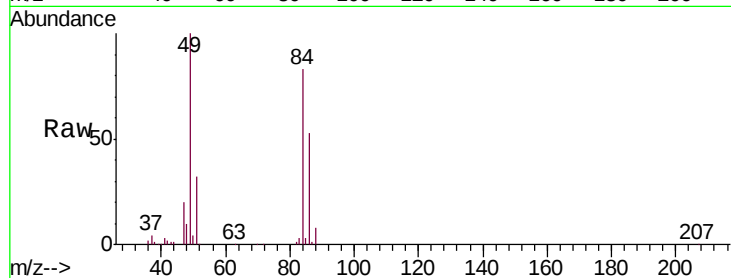




#16
Methylene chloride
Concen: 20.767 ug/L
RT: 3.09 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU035312.D
Acq: 19 Oct 2019 12:41

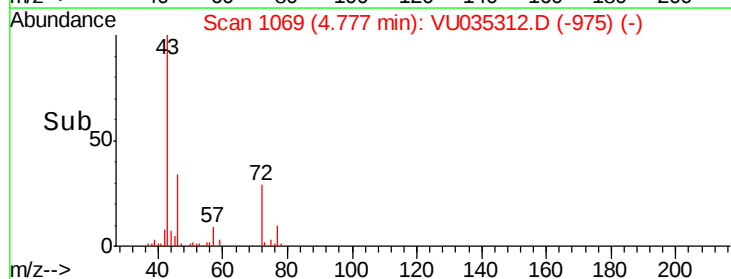
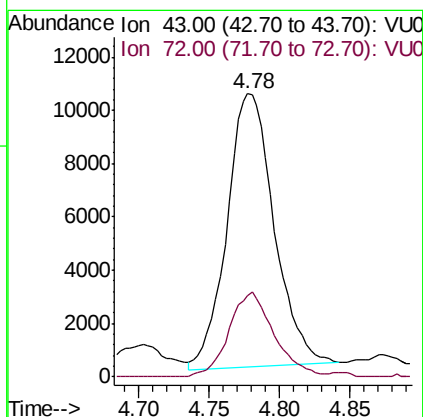
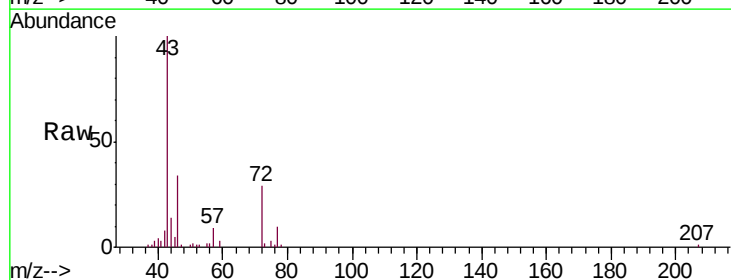
Instrument :
MSVOA_U
ClientSampled :
BF6L5

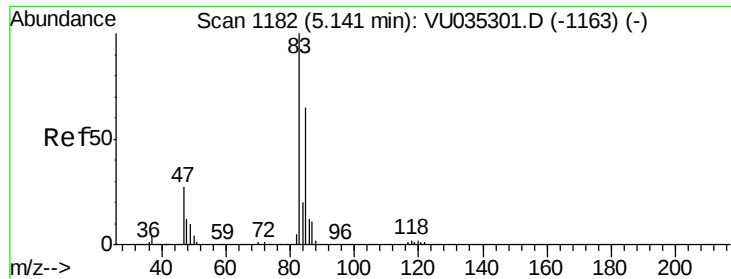
Tgt Ion: 84 Resp: 102867
Ion Ratio Lower Upper
84 100
86 64.3 44.4 82.5
49 120.4 84.0 156.0



#22
2-Butanone
Concen: 5.725 ug/L
RT: 4.78 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU035312.D
Acq: 19 Oct 2019 12:41

Tgt Ion: 43 Resp: 23996
Ion Ratio Lower Upper
43 100
72 29.7 12.9 38.6

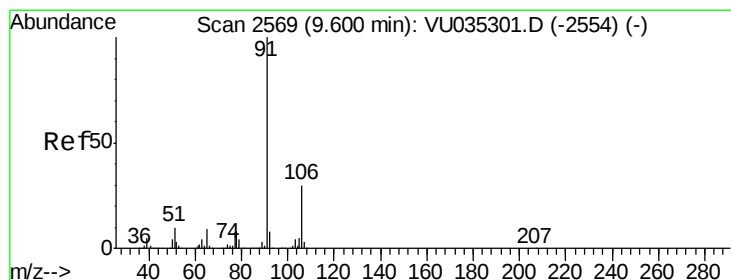
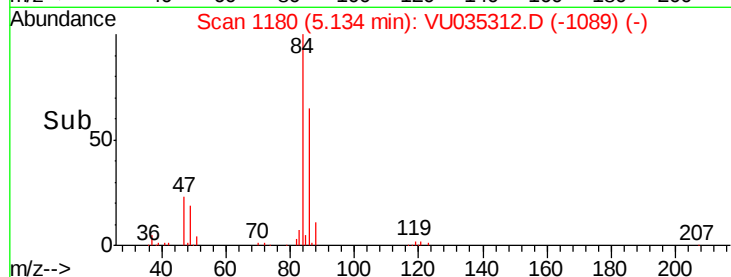
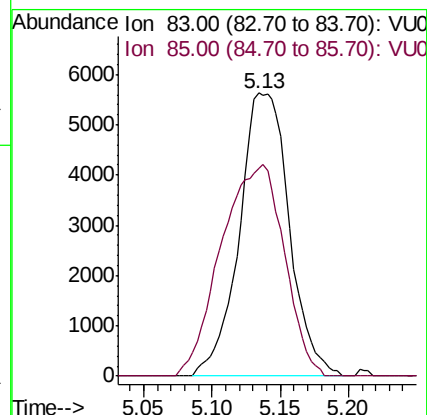
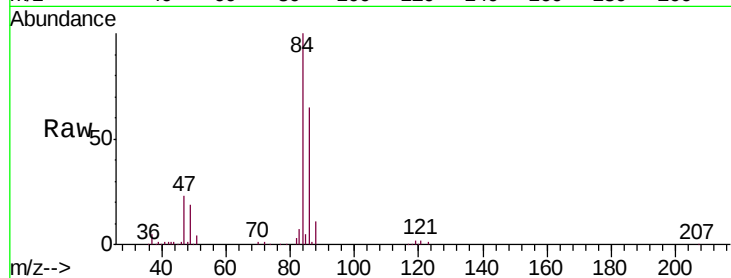




#25
Chloroform
Concen: 1.626 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VU035312.D
Acq: 19 Oct 2019 12:41

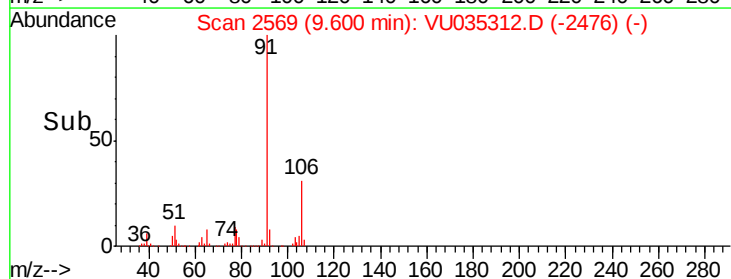
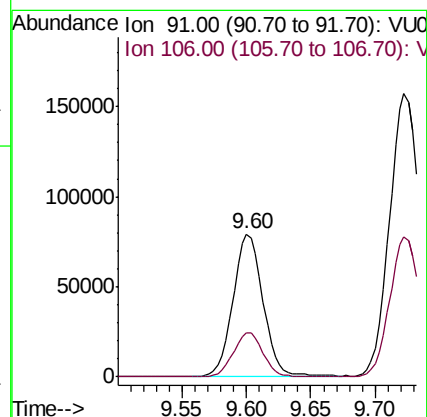
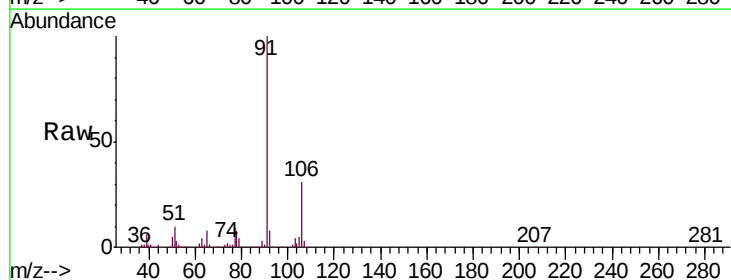
Instrument :
MSVOA_U
ClientSampleId :
BF6L5

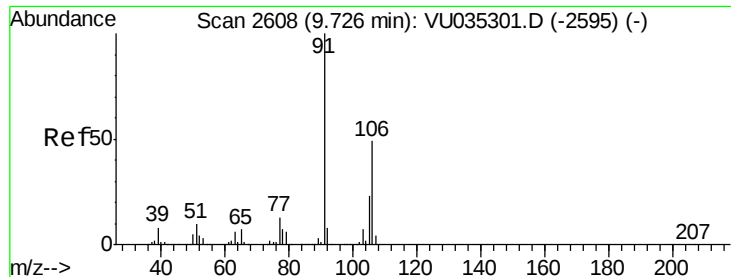
Tgt Ion: 83 Resp: 14306
Ion Ratio Lower Upper
83 100
85 73.4 45.5 84.5



#52
Ethylbenzene
Concen: 5.683 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035312.D
Acq: 19 Oct 2019 12:41

Tgt Ion: 91 Resp: 128935
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.6





#53

m,p-Xylene

Concen: 15.571 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035312.D

Acq: 19 Oct 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

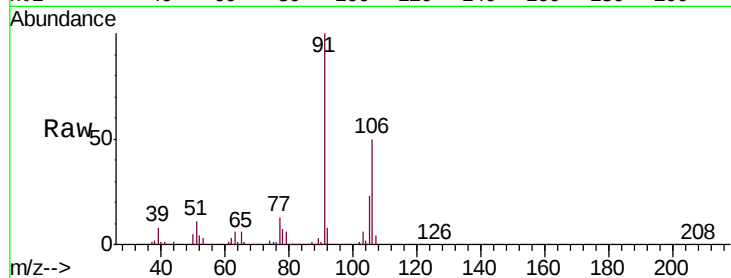
BF6L5

Tgt Ion:106 Resp: 130225

Ion Ratio Lower Upper

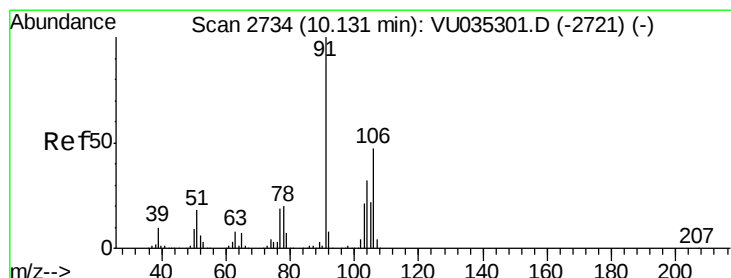
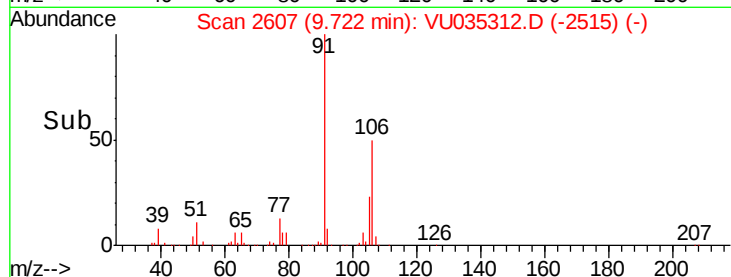
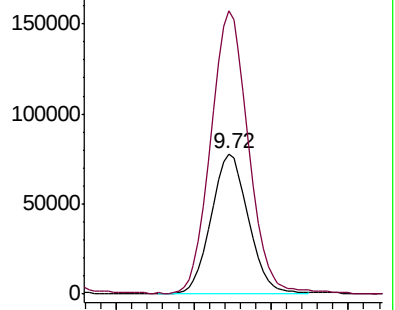
106 100

91 201.9 141.5 262.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 16.511 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035312.D

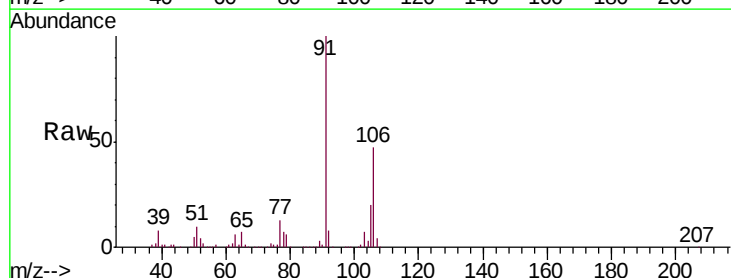
Acq: 19 Oct 2019 12:41

Tgt Ion:106 Resp: 136967

Ion Ratio Lower Upper

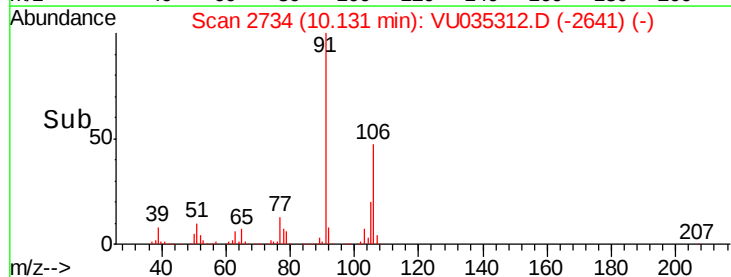
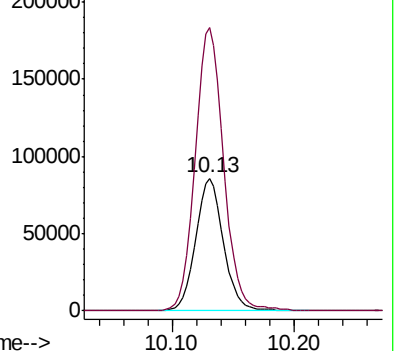
106 100

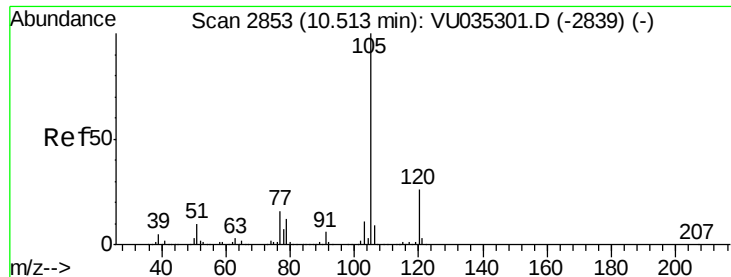
91 213.4 150.6 279.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.192 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035312.D

Acq: 19 Oct 2019 12:41

Instrument :

MSVOA_U

ClientSampleId :

BF6L5

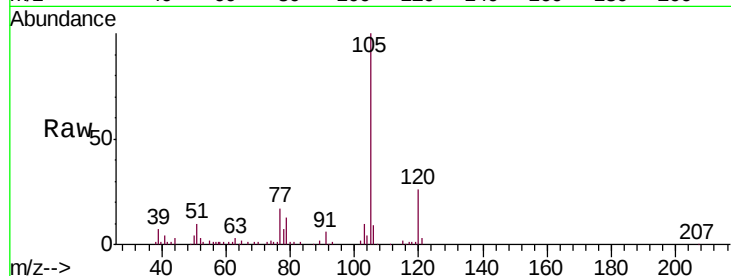
Tgt Ion: 105 Resp: 47079

Ion Ratio Lower Upper

105 100

120 25.8 21.1 31.7

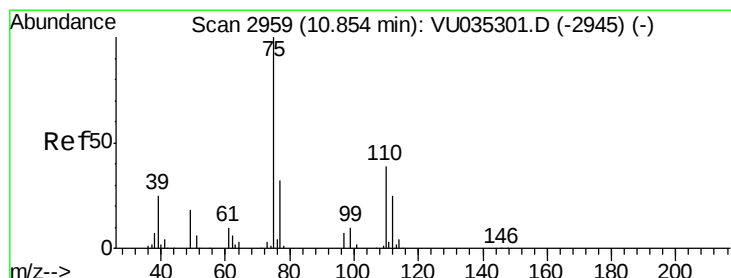
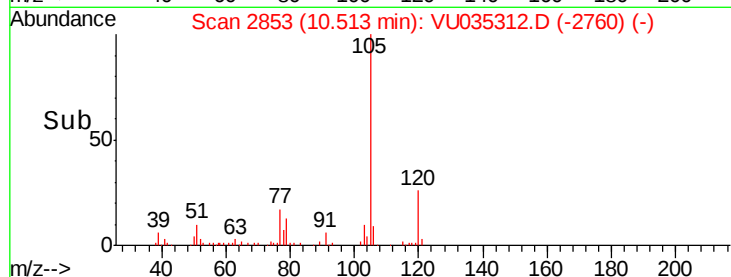
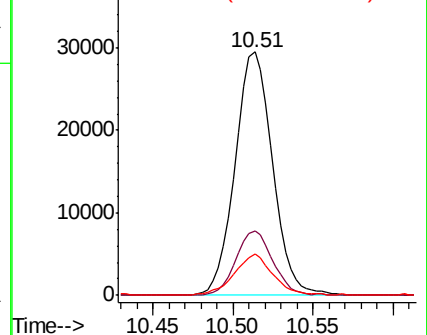
77 17.4 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 5.658 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035312.D

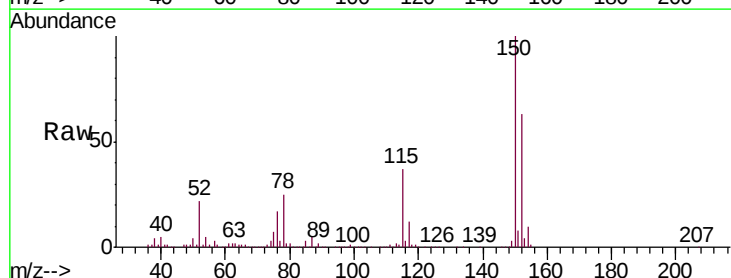
Acq: 19 Oct 2019 12:41

Tgt Ion: 75 Resp: 37102

Ion Ratio Lower Upper

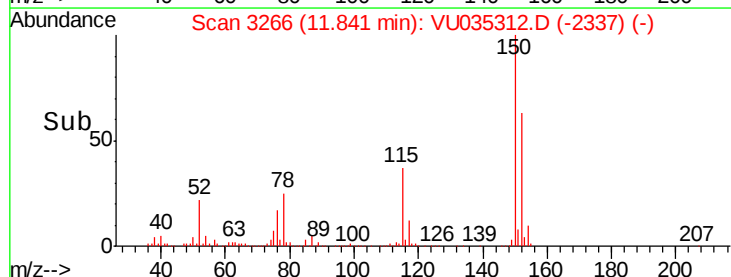
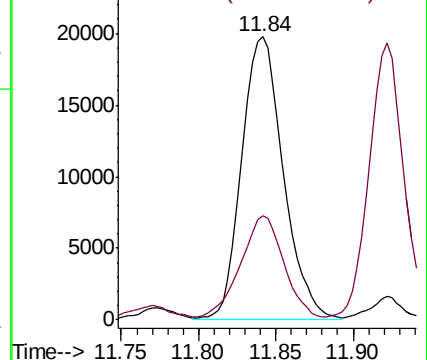
75 100

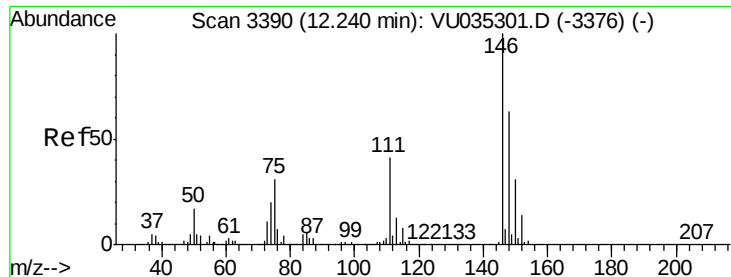
77 37.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

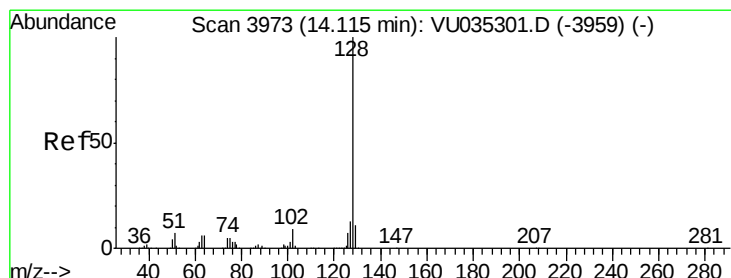
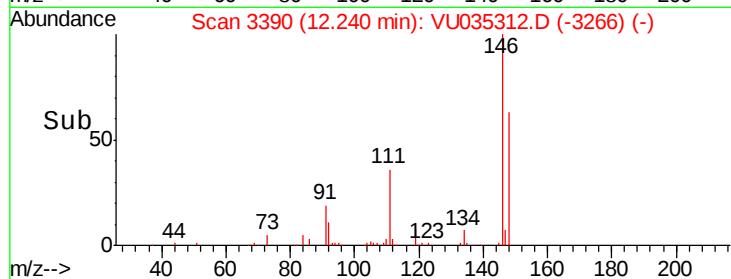
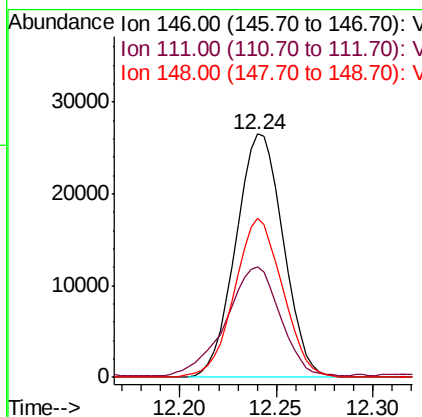
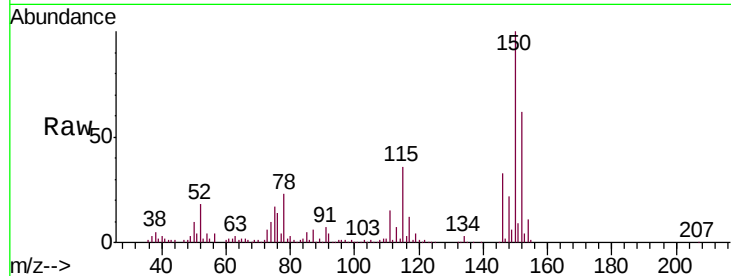




#65
 1,2-Dichlorobenzene
 Concen: 4.909 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035312.D
 Acq: 19 Oct 2019 12:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BF6L5

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	32.8	49.2
148	65.2	50.2	75.4



#69
 Naphthalene
 Concen: 44.367 ug/L
 RT: 14.11 min Scan# 3972
 Delta R.T. -0.00 min
 Lab File: VU035312.D
 Acq: 19 Oct 2019 12:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.6	13.0

