

Data File : VU034671.D
Acq On : 20 Sep 2019 00:56
Operator : JC/SP
Sample : K4895-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Quant Time: Sep 20 04:10:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	514437	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	487651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	229773	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	232597	44.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.34%
7) Chloroethane-d5	1.67	69	190268	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.50%
11) 1,1-Dichloroethene-d2	2.26	63	317441	35.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.18%
21) 2-Butanone-d5	4.15	46	473104	117.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.21%
24) Chloroform-d	4.62	84	364927	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	5.29	65	273327	48.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.12%
32) Benzene-d6	5.32	84	740556	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.31	67	259989	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.42%
41) Toluene-d8	7.54	98	700694	48.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.46%
43) trans-1,3-Dichloropropene-	7.83	79	120100	47.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.94%
47) 2-Hexanone-d5	8.29	63	309468	116.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.63%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	352160	48.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.08%
64) 1,2-Dichlorobenzene-d4	11.84	152	240013	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2643	0.754	ug/L #	30
13) Acetone	2.31	43	161571	34.412	ug/L	97
16) Methylene chloride	2.68	84	3634	0.852	ug/L	92
22) 2-Butanone	4.25	43	45596	8.163	ug/L	97
29) Cyclohexane	4.97	56	9468	1.176	ug/L #	74
33) Benzene	5.37	78	114601	6.776	ug/L	100
34) Trichloroethene	6.17	95	16087	3.851	ug/L	93
35) Methylcyclohexane	6.39	83	8691	1.226	ug/L	94
40) 4-Methyl-2-pentanone	7.44	43	73274	7.621	ug/L	95
42) Toluene	7.61	91	711893	38.948	ug/L	100
51) Chlorobenzene	9.10	112	13968	1.257	ug/L	91
52) Ethylbenzene	9.23	91	253979	12.339	ug/L	100
53) m,p-Xylene	9.35	106	377075	51.723	ug/L	97
54) o-xylene	9.76	106	283237	39.280	ug/L	99
56) Isopropylbenzene	10.14	105	32469	1.670	ug/L	99
59) 1,2,3-Trichloropropane	11.46	75	37794	6.009	ug/L	91
65) 1,2-Dichlorobenzene	11.85	146	48440	6.025	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

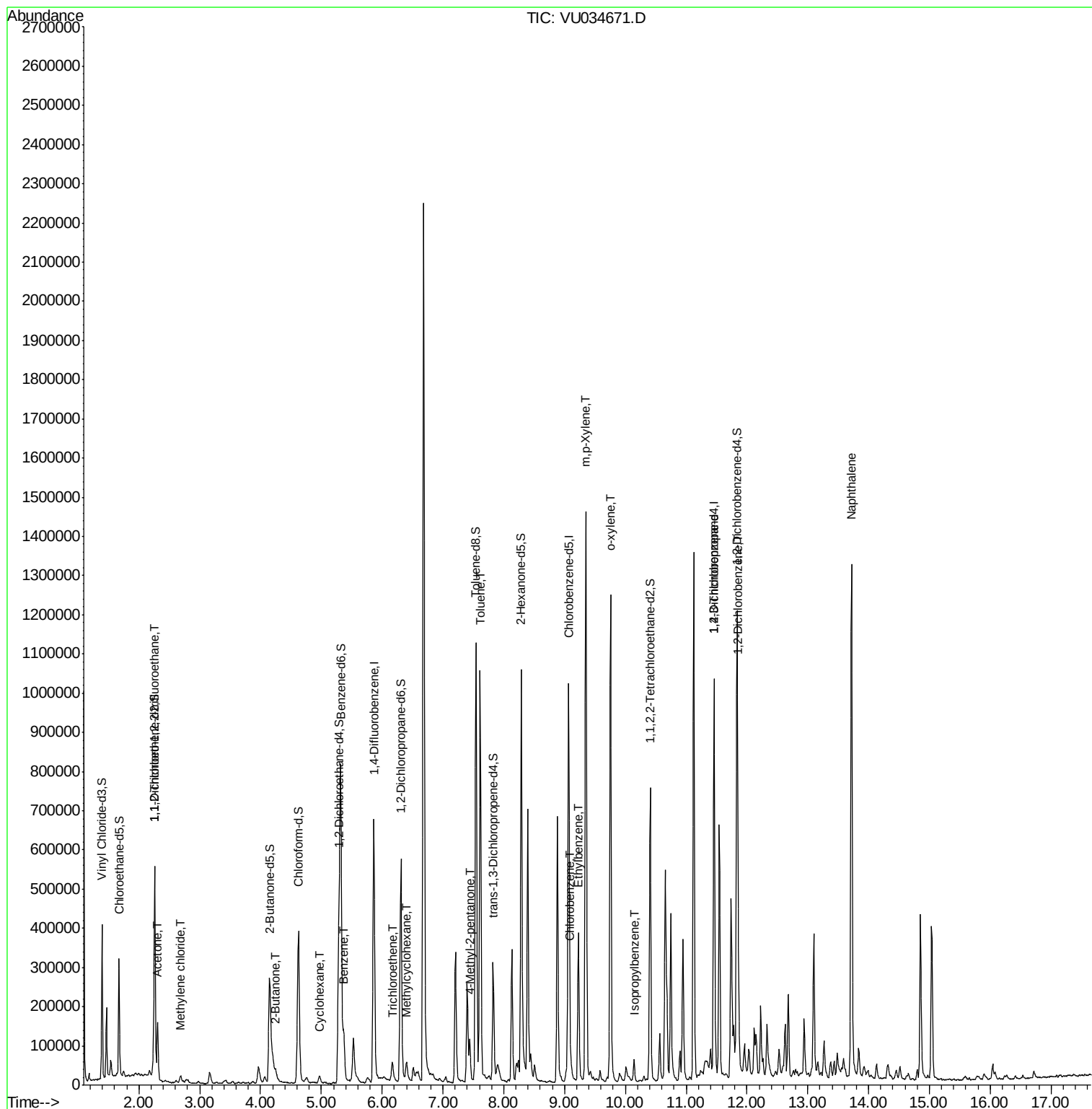
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.72	128	955034	65.801	ug/L	100

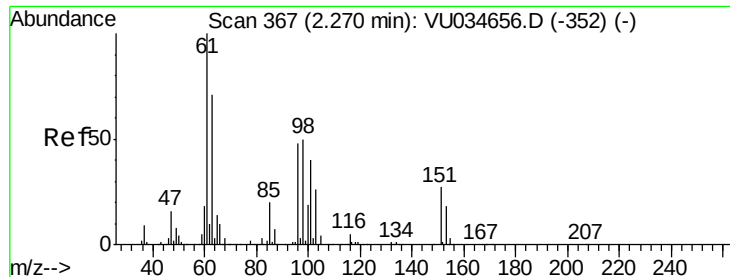
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.754 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034671.D

Acq: 20 Sep 2019 00:56

Instrument :

MSVOA_U

ClientSampleId :

BFDH2

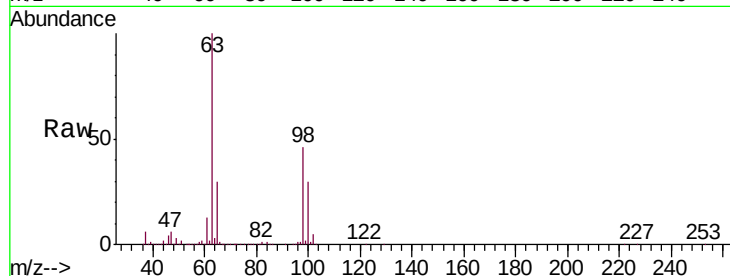
Tgt Ion:101 Resp: 2643

Ion Ratio Lower Upper

101 100

85 8.6 39.0 58.4#

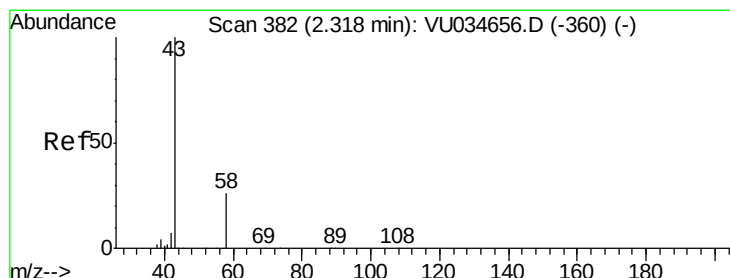
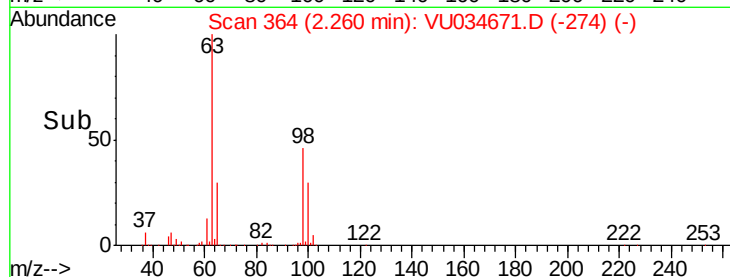
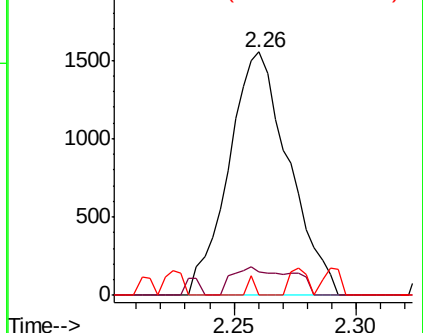
151 3.3 52.8 79.2#



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: 34.412 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VU034671.D

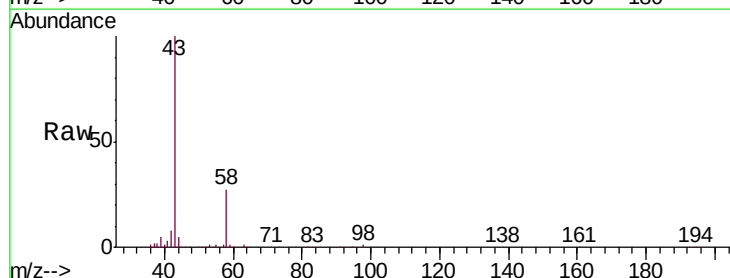
Acq: 20 Sep 2019 00:56

Tgt Ion: 43 Resp: 161571

Ion Ratio Lower Upper

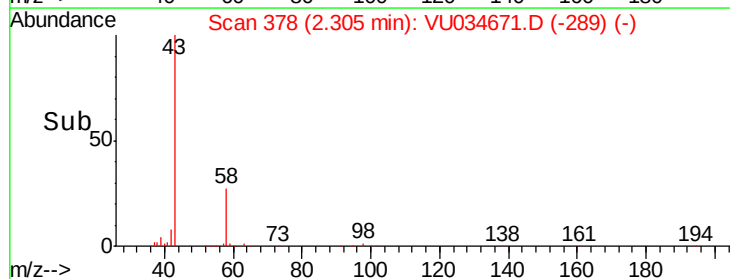
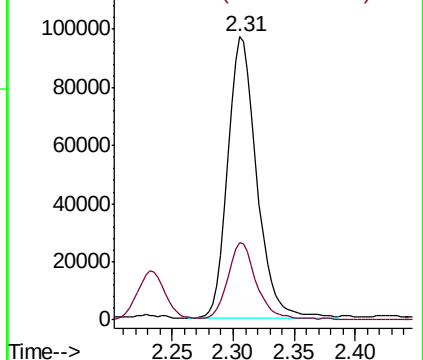
43 100

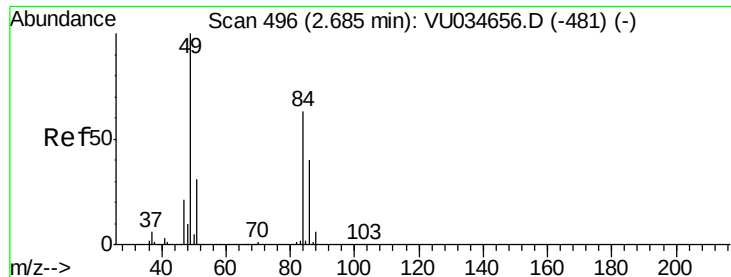
58 25.3 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

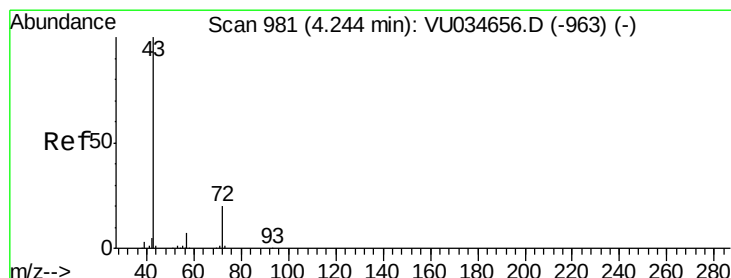
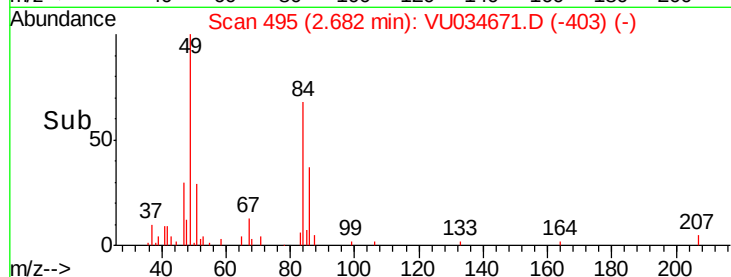
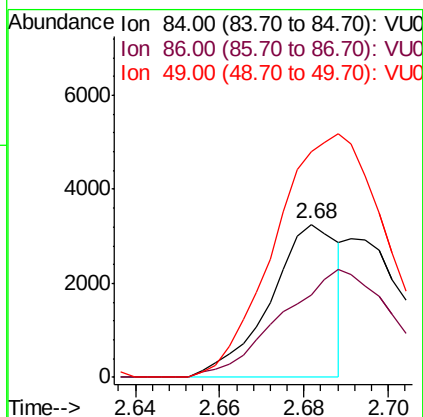
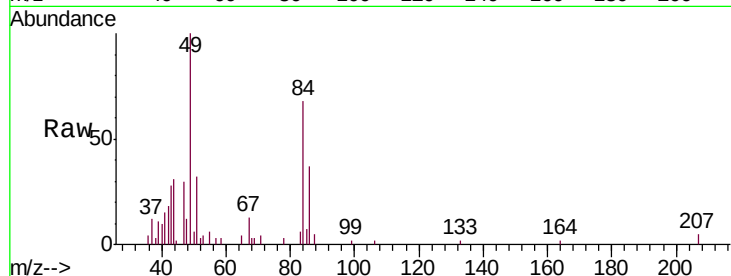




#16
Methylene chloride
Concen: 0.852 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

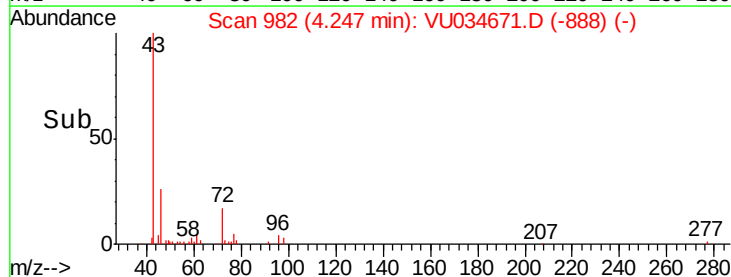
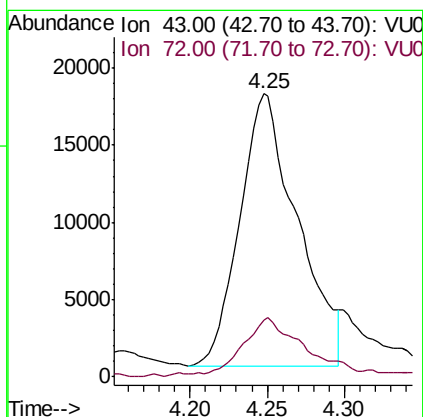
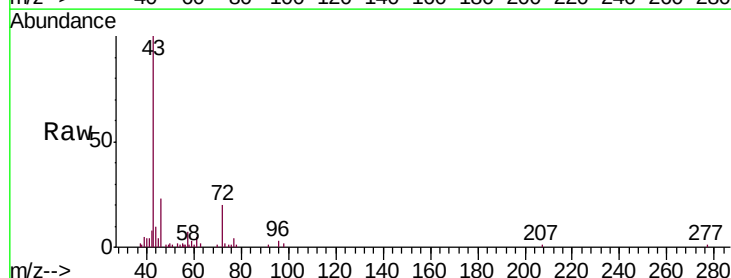
Instrument :
MSVOA_U
ClientSampleId :
BFDH2

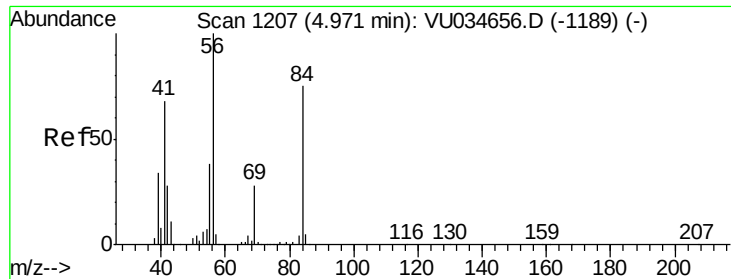
Tgt Ion: 84 Resp: 3634
Ion Ratio Lower Upper
84 100
86 54.1 43.0 80.0
49 147.8 109.7 203.7



#22
2-Butanone
Concen: 8.163 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 43 Resp: 45596
Ion Ratio Lower Upper
43 100
72 18.9 10.2 30.6

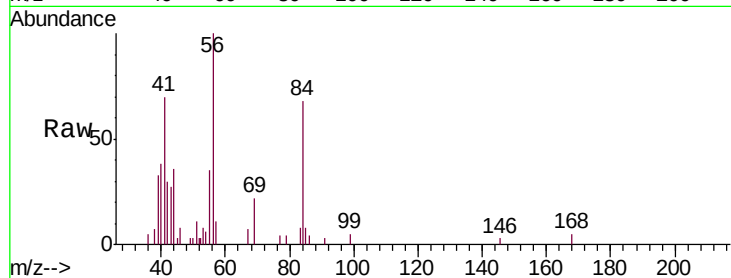




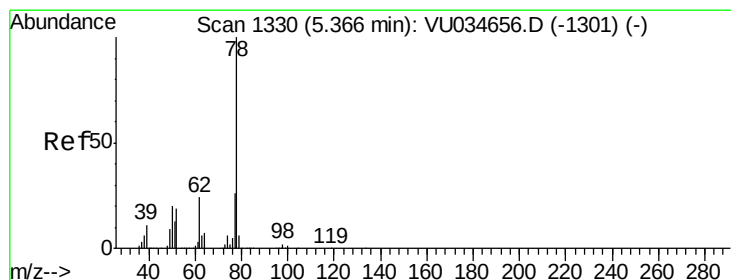
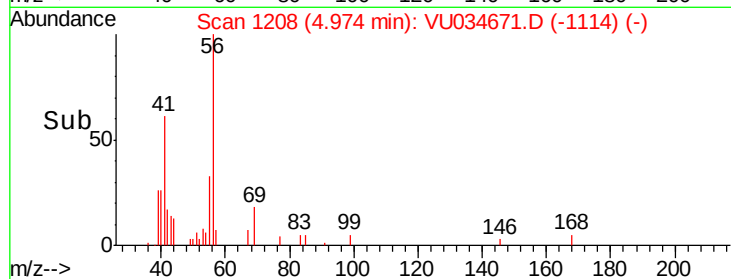
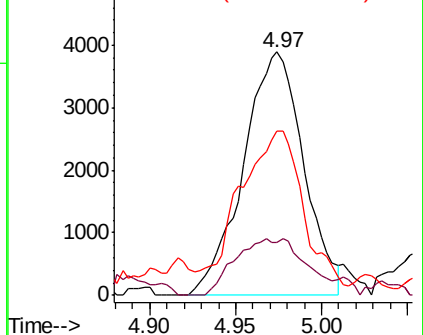
#29
Cyclohexane
Concen: 1.176 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Instrument :
MSVOA_U
ClientSampleId :
BFDH2

Tgt Ion: 56 Resp: 9468
Ion Ratio Lower Upper
56 100
69 14.7 21.7 32.5#
84 51.0 58.8 88.2#

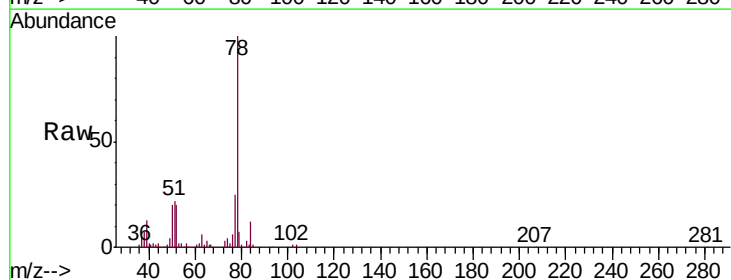


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

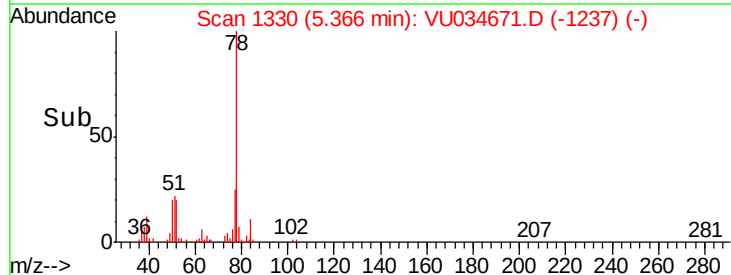
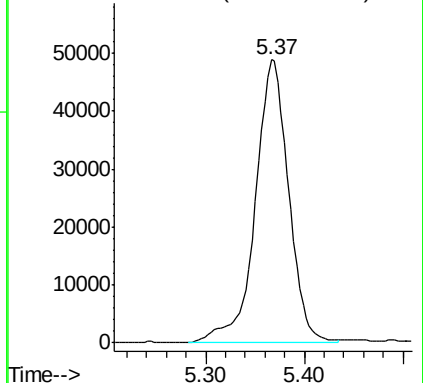


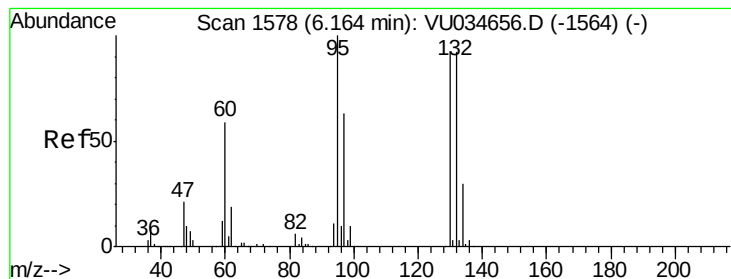
#33
Benzene
Concen: 6.776 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 78 Resp: 114601



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 3.851 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034671.D

Acq: 20 Sep 2019 00:56

Instrument :

MSVOA_U

ClientSampleId :

BFDH2

Tgt Ion: 95 Resp: 16087

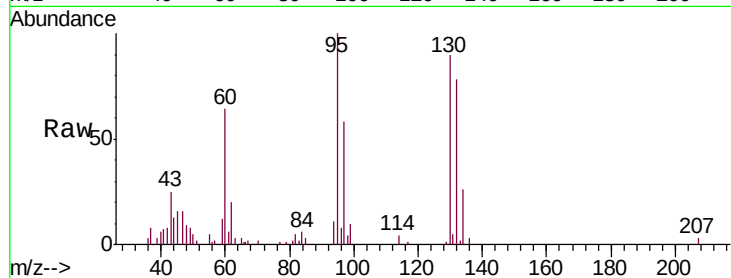
Ion Ratio Lower Upper

95 100

97 57.7 43.7 81.1

132 78.0 61.0 113.2

130 89.6 65.7 121.9

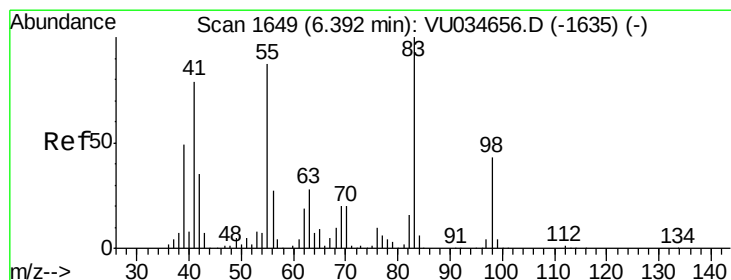
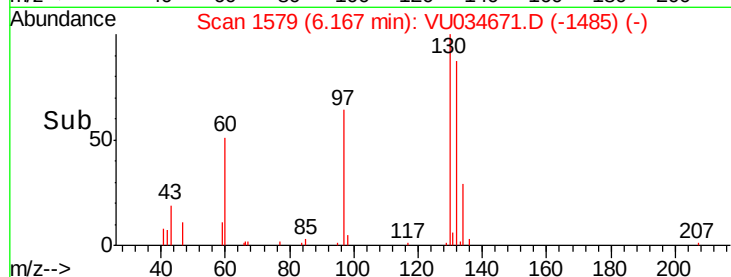
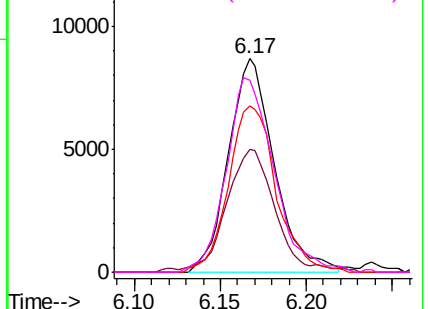


Abundance Ion 95.00 (94.70 to 95.70): VU034671.D (-1564) (-)

Ion 97.00 (96.70 to 97.70): VU034671.D (-1564) (-)

Ion 132.00 (131.70 to 132.70): VU034671.D (-1564) (-)

Ion 130.00 (129.70 to 130.70): VU034671.D (-1564) (-)



#35

Methylcyclohexane

Concen: 1.226 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU034671.D

Acq: 20 Sep 2019 00:56

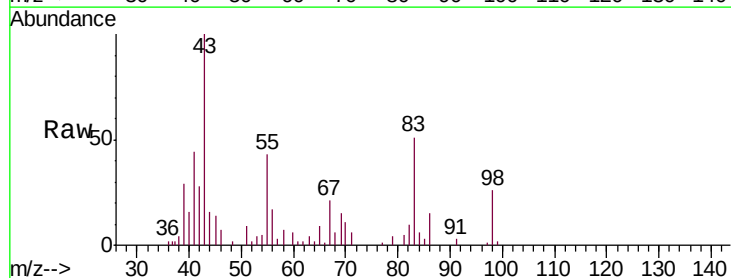
Tgt Ion: 83 Resp: 8691

Ion Ratio Lower Upper

83 100

55 83.7 71.6 107.4

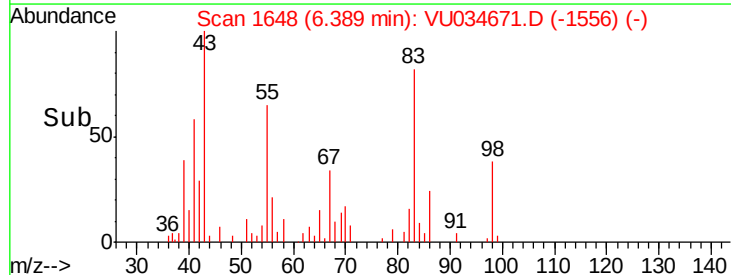
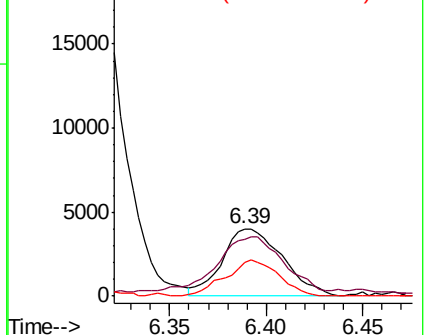
98 47.4 35.7 53.5

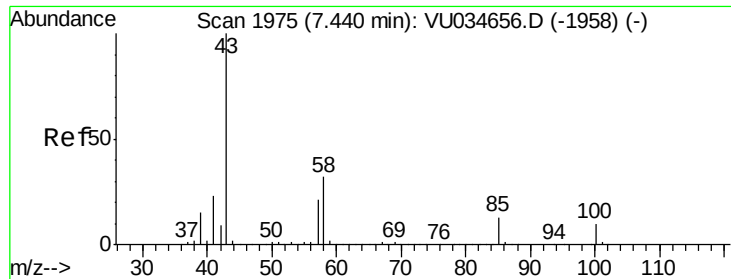


Abundance Ion 83.00 (82.70 to 83.70): VU034671.D (-1556) (-)

Ion 55.00 (54.70 to 55.70): VU034671.D (-1556) (-)

Ion 98.00 (97.70 to 98.70): VU034671.D (-1556) (-)

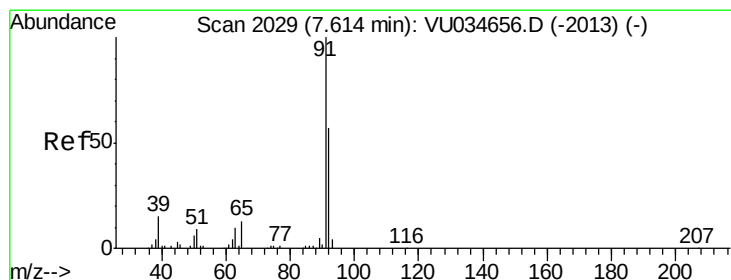
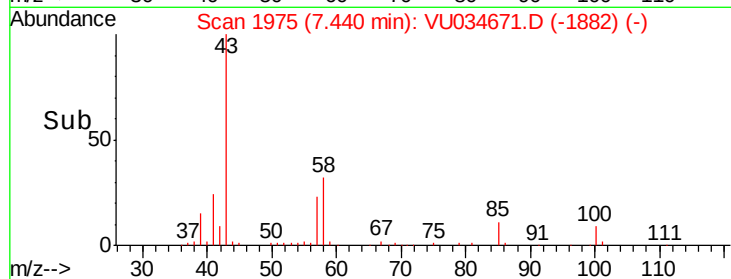
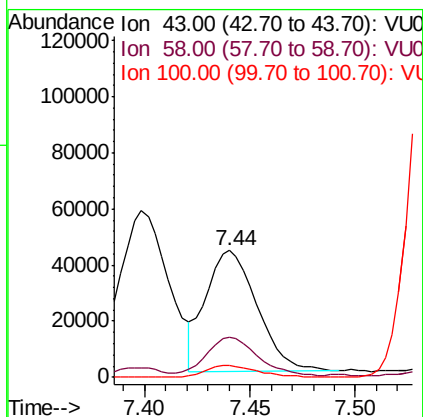
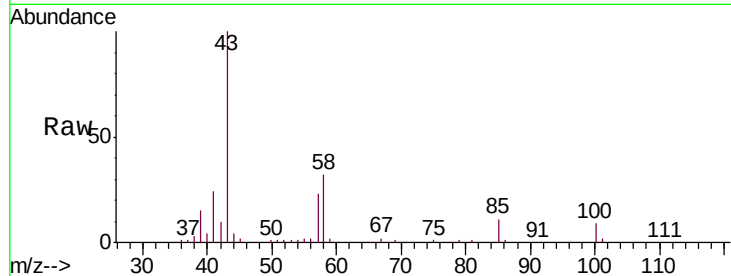




#40
4-Methyl-2-pentanone
Concen: 7.621 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

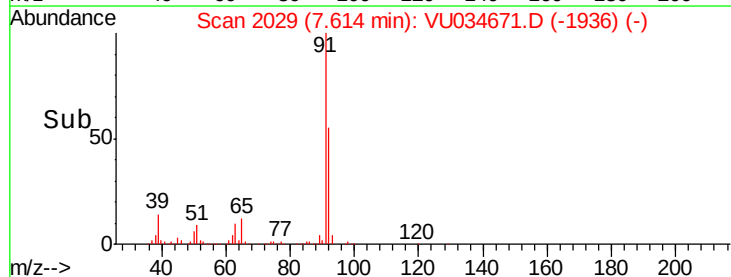
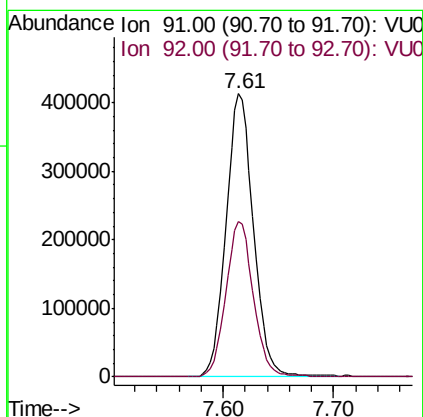
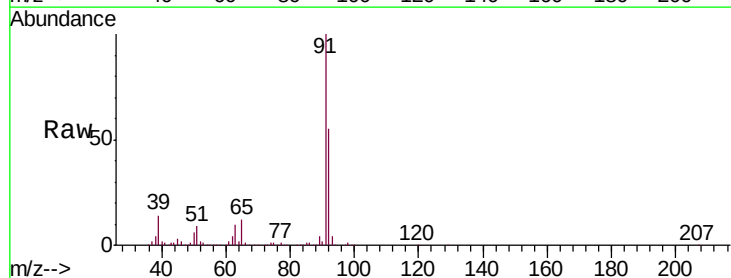
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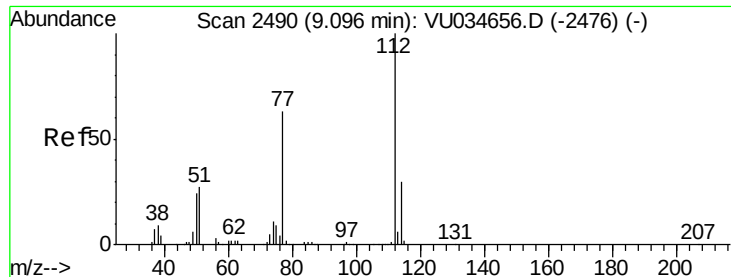
Tgt Ion: 43 Resp: 73274
Ion Ratio Lower Upper
43 100
58 34.7 25.2 37.8
100 10.0 7.7 11.5



#42
Toluene
Concen: 38.948 ug/L
RT: 7.61 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 91 Resp: 711893
Ion Ratio Lower Upper
91 100
92 54.8 38.2 71.0

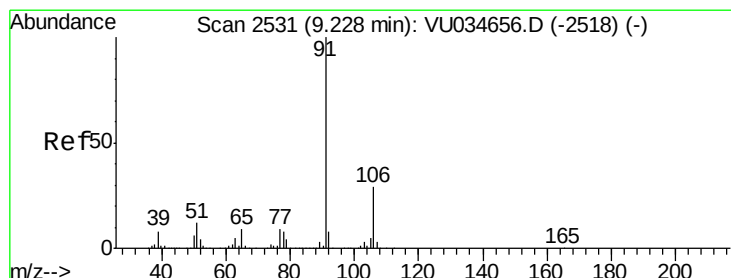
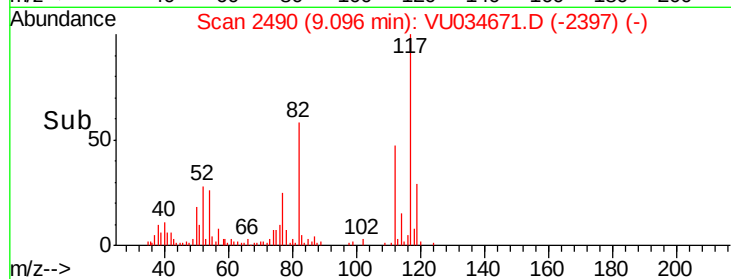
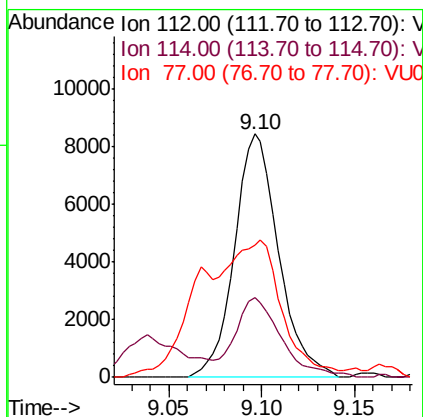
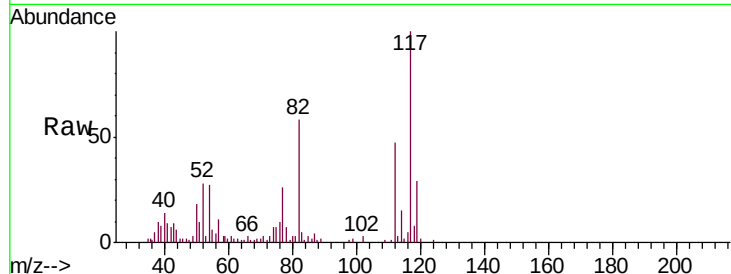




#51
Chlorobenzene
Concen: 1.257 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

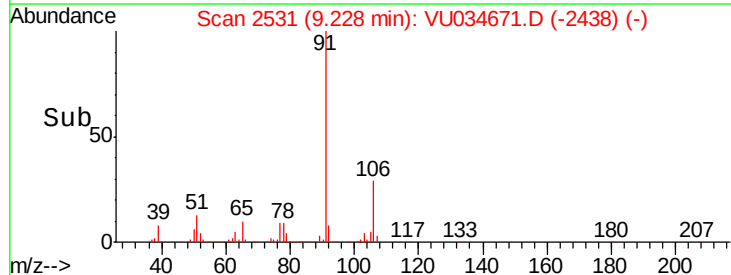
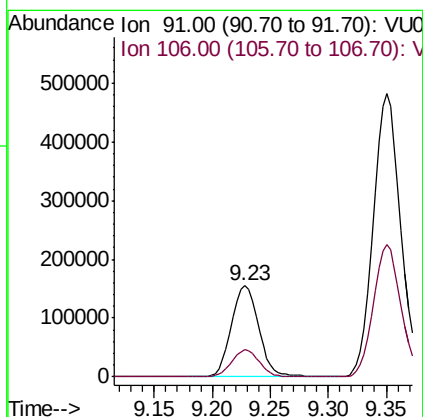
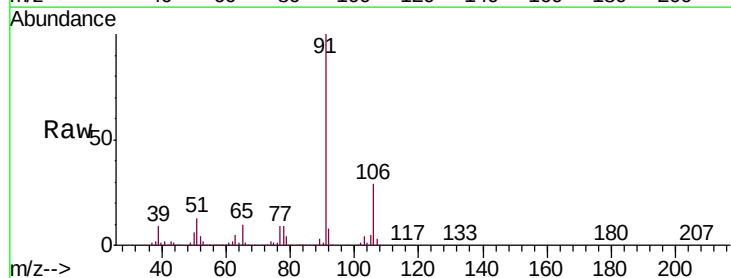
Instrument :
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ClientSampleId :
BFDH2

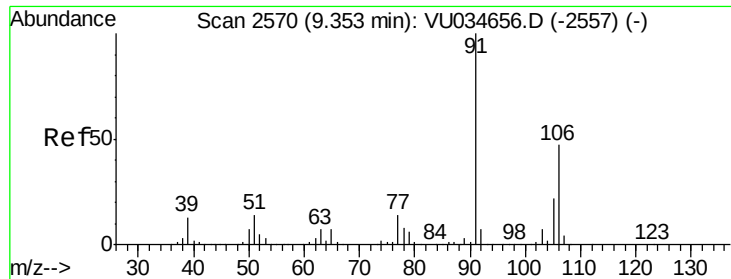
Tgt Ion: 112 Resp: 13968
Ion Ratio Lower Upper
112 100
114 32.8 22.8 42.4
77 54.1 51.5 77.3



#52
Ethylbenzene
Concen: 12.339 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034671.D
Acq: 20 Sep 2019 00:56

Tgt Ion: 91 Resp: 253979
Ion Ratio Lower Upper
91 100
106 29.4 20.6 38.4





#53

m,p-Xylene

Concen: 51.723 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034671.D

Acq: 20 Sep 2019 00:56

Instrument :

MSVOA_U

ClientSampleId :

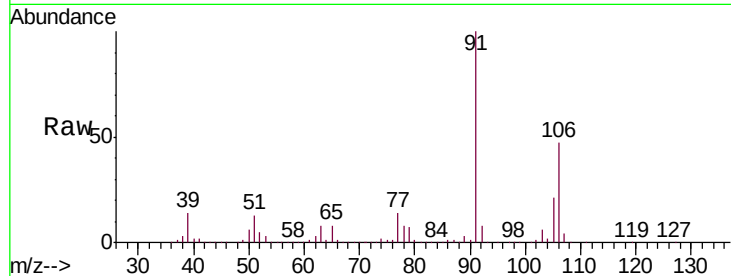
BFDH2

Tgt Ion:106 Resp: 377075

Ion Ratio Lower Upper

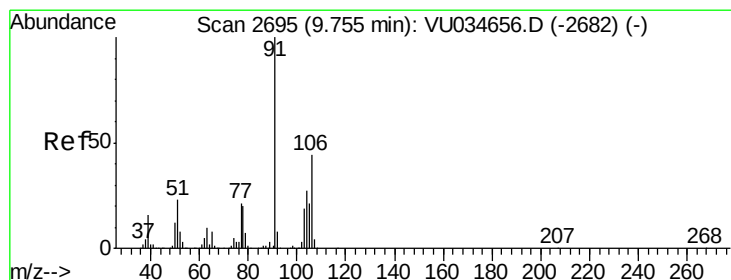
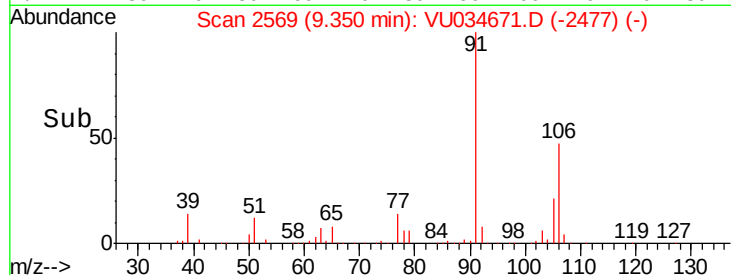
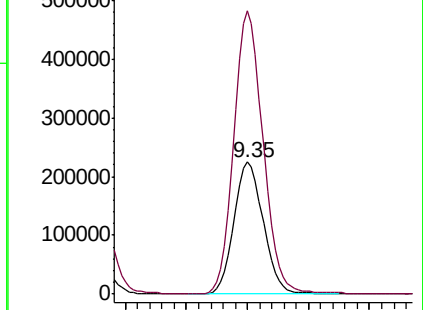
106 100

91 214.4 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 39.280 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034671.D

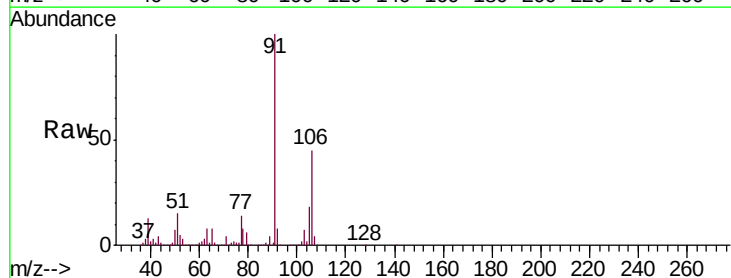
Acq: 20 Sep 2019 00:56

Tgt Ion:106 Resp: 283237

Ion Ratio Lower Upper

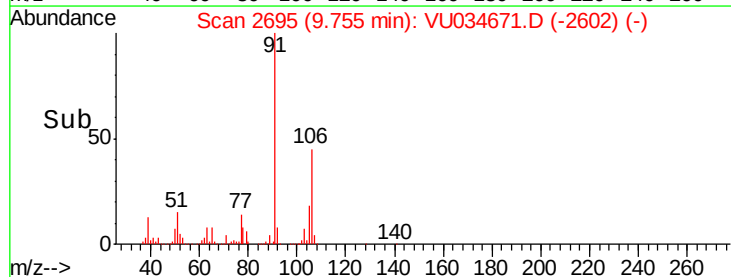
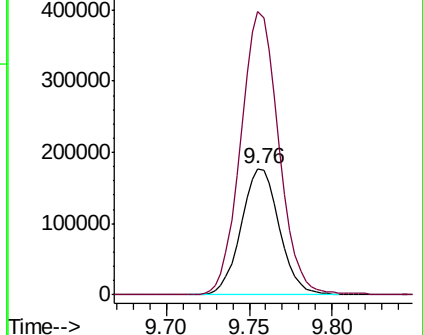
106 100

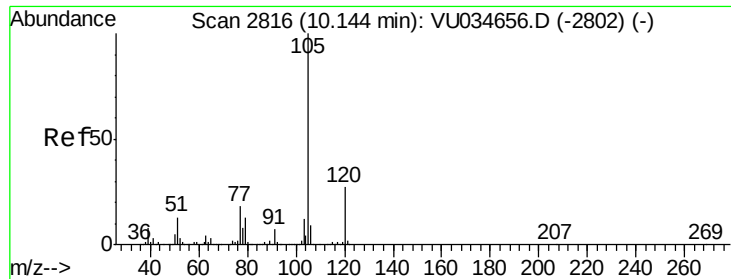
91 224.6 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 1.670 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034671.D

Acq: 20 Sep 2019 00:56

Instrument :

MSVOA_U

ClientSampleId :

BFDH2

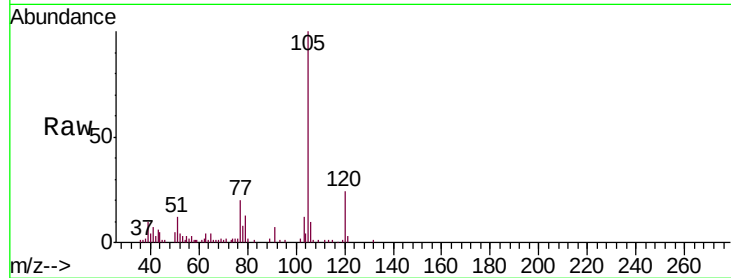
Tgt Ion:105 Resp: 32469

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6

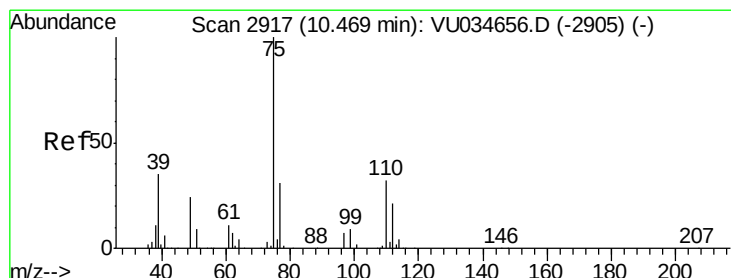
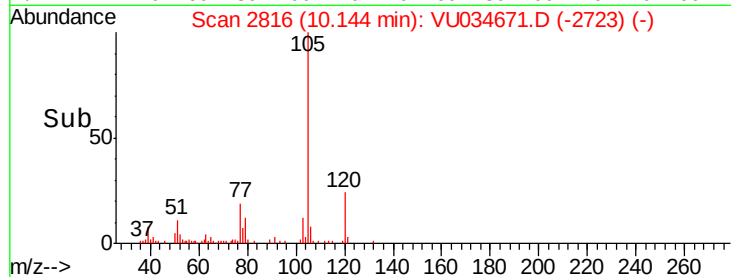
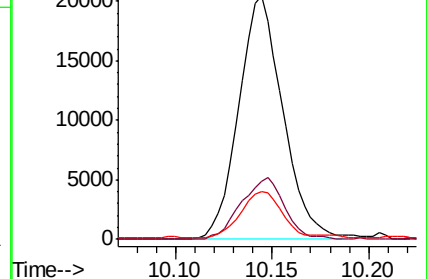
77 17.8 14.2 21.4



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: 6.009 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034671.D

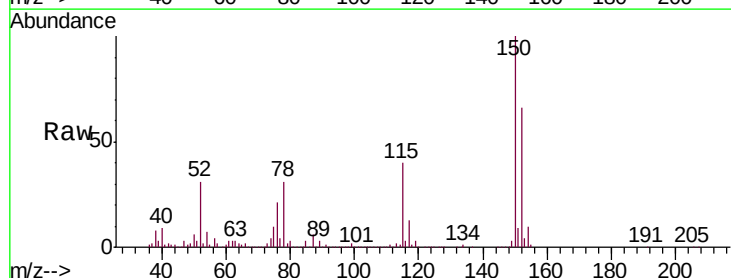
Acq: 20 Sep 2019 00:56

Tgt Ion: 75 Resp: 37794

Ion Ratio Lower Upper

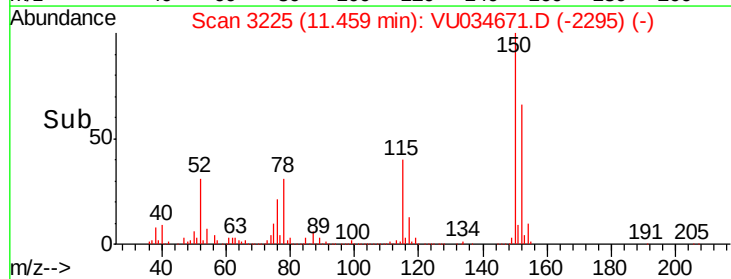
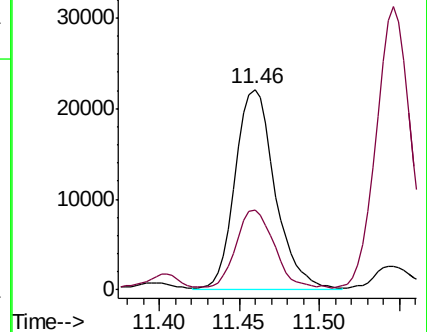
75 100

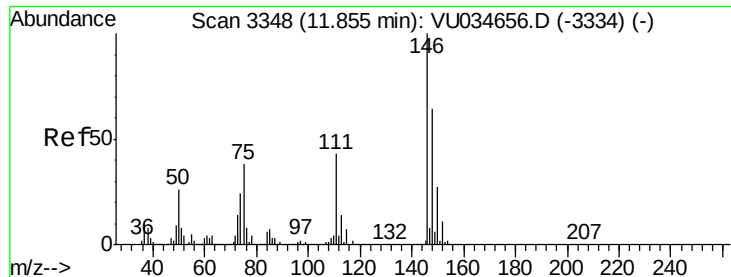
77 35.8 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

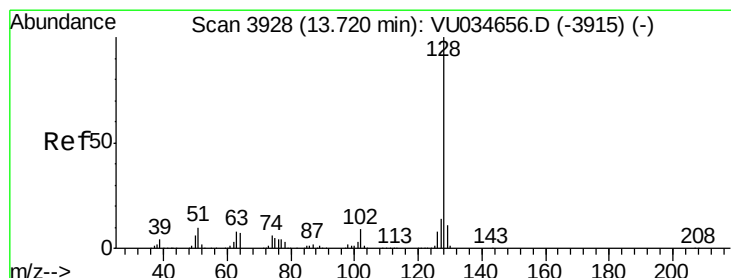
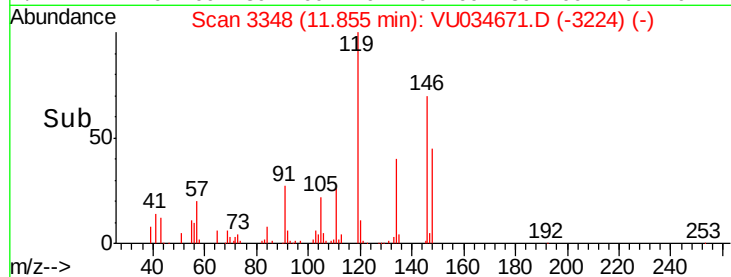
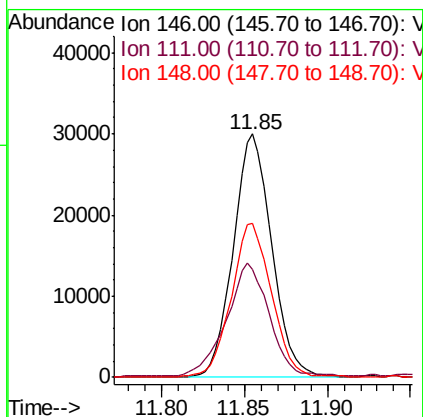
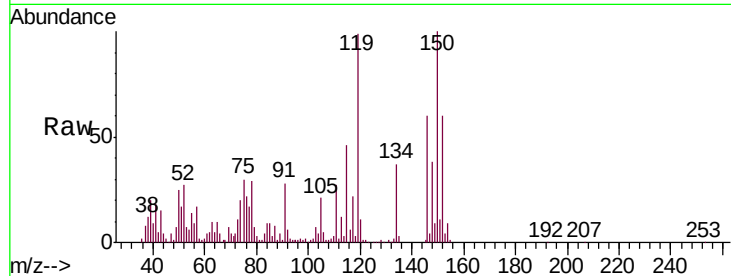




#65
 1,2-Dichlorobenzene
 Concen: 6.025 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034671.D
 Acq: 20 Sep 2019 00:56

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDH2

Tgt Ion:146 Resp: 48440
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.2 52.8
 148 63.0 53.0 79.6



#69
 Naphthalene
 Concen: 65.801 ug/L
 RT: 13.72 min Scan# 3928
 Delta R.T. 0.00 min
 Lab File: VU034671.D
 Acq: 20 Sep 2019 00:56

Tgt Ion:128 Resp: 955034
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.8 16.2
 129 10.9 8.6 12.8

