

Data File : VU034663.D
Acq On : 19 Sep 2019 21:49
Operator : JC/SP
Sample : K4895-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDJ2

Quant Time: Sep 20 04:06:10 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	466204	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	437722	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	191321	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	226924	47.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.10%
7) Chloroethane-d5	1.67	69	181190	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.24%
11) 1,1-Dichloroethene-d2	2.26	63	296747	36.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.44%
21) 2-Butanone-d5	4.15	46	383507	104.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.84%
24) Chloroform-d	4.62	84	344488	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.30%
26) 1,2-Dichloroethane-d4	5.29	65	252270	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
32) Benzene-d6	5.32	84	707190	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.24%
36) 1,2-Dichloropropane-d6	6.31	67	247296	52.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.30%
41) Toluene-d8	7.54	98	661793	51.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.54%
43) trans-1,3-Dichloropropene-	7.83	79	113206	49.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.68%
47) 2-Hexanone-d5	8.29	63	256084	107.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.52%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	326608	49.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.28%
64) 1,2-Dichlorobenzene-d4	11.84	152	214779	53.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.08%

Target Compounds

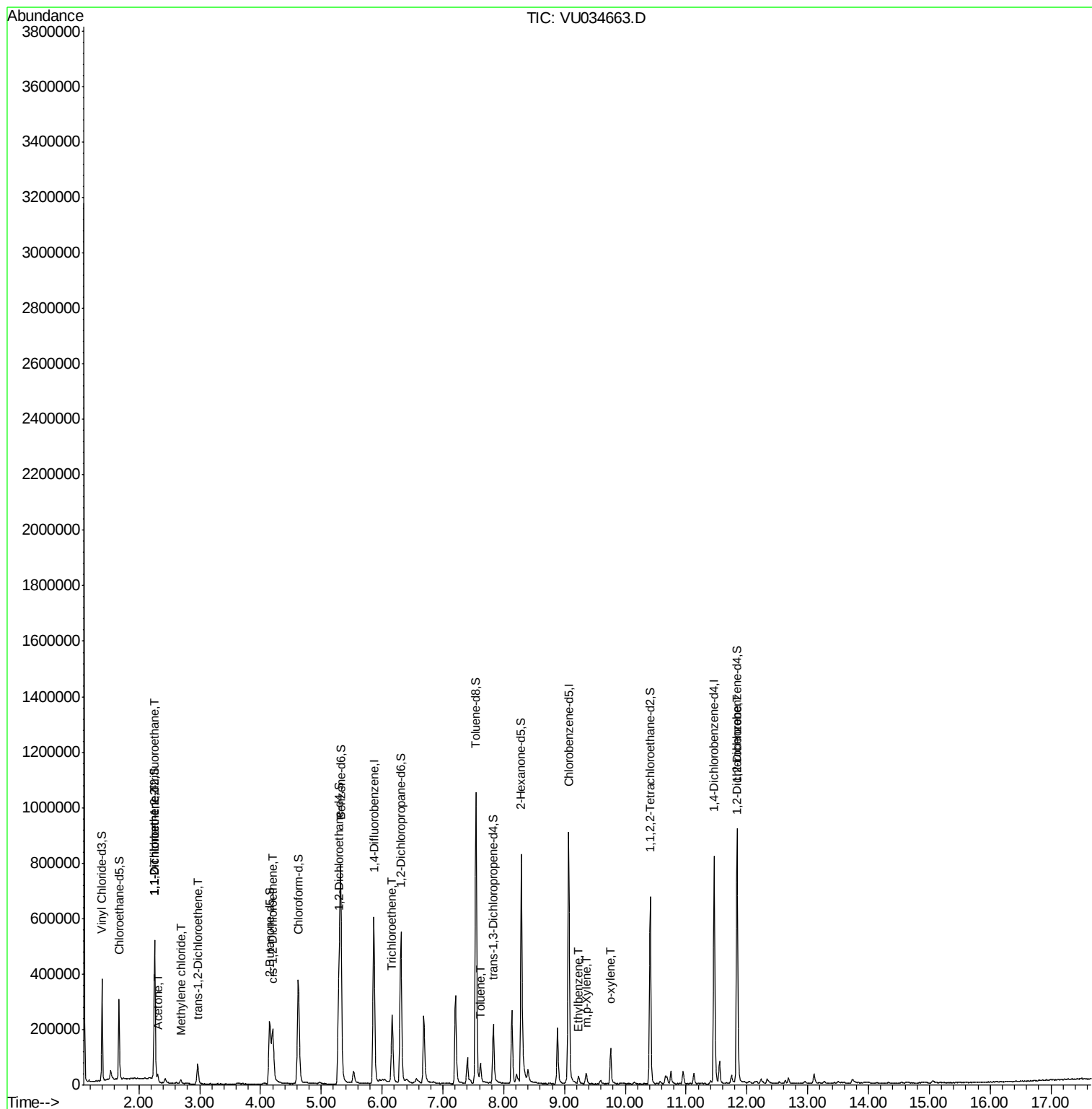
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2748	0.865	ug/L #	29
12) 1,1-Dichloroethene	2.26	96	2686	0.881	ug/L #	1
13) Acetone	2.31	43	29626	6.963	ug/L	98
16) Methylene chloride	2.69	84	5138	1.330	ug/L	85
17) trans-1,2-Dichloroethene	2.97	96	23806	7.138	ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	88882	22.794	ug/L	95
34) Trichloroethene	6.16	95	80940	21.588	ug/L	96
42) Toluene	7.62	91	45265	2.759	ug/L	97
52) Ethylbenzene	9.23	91	18392	0.995	ug/L	88
53) m,p-Xylene	9.36	106	10217	1.561	ug/L	96
54) o-xylene	9.76	106	29762	4.598	ug/L	95
65) 1,2-Dichlorobenzene	11.85	146	5970	0.892	ug/L #	82

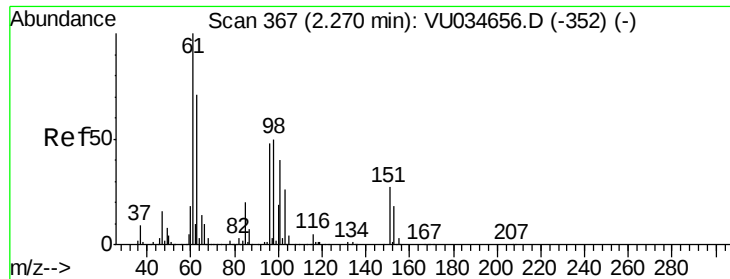
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.865 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU034663.D

Acq: 19 Sep 2019 21:49

Instrument :

MSVOA_U

ClientSampleId :

BFDJ2

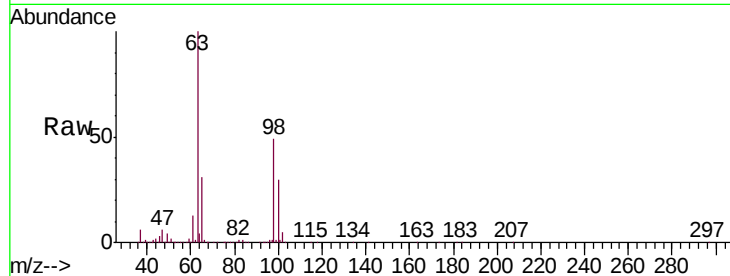
Tgt Ion: 101 Resp: 2748

Ion Ratio Lower Upper

101 100

85 5.5 39.0 58.4#

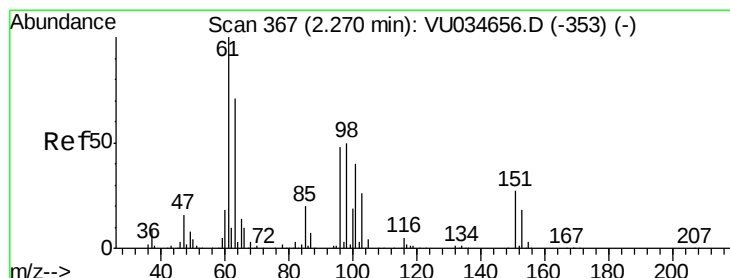
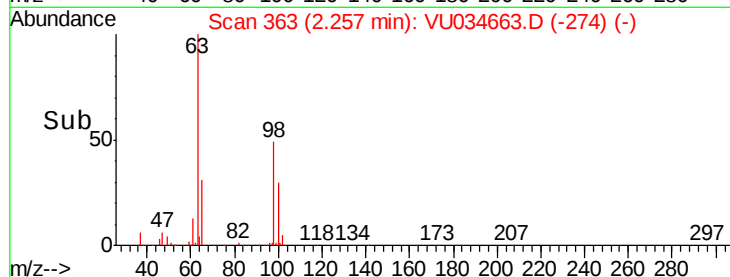
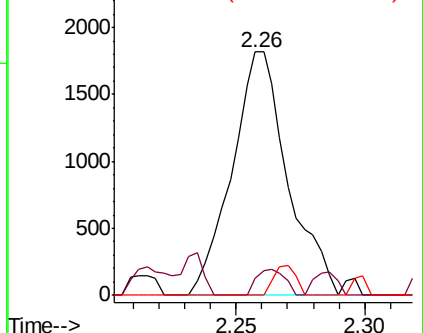
151 4.8 52.8 79.2#



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



#12

1,1-Dichloroethene

Concen: 0.881 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034663.D

Acq: 19 Sep 2019 21:49

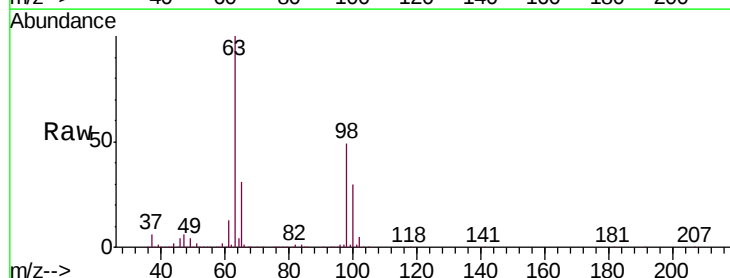
Tgt Ion: 96 Resp: 2686

Ion Ratio Lower Upper

96 100

61 1453.5 153.2 284.4#

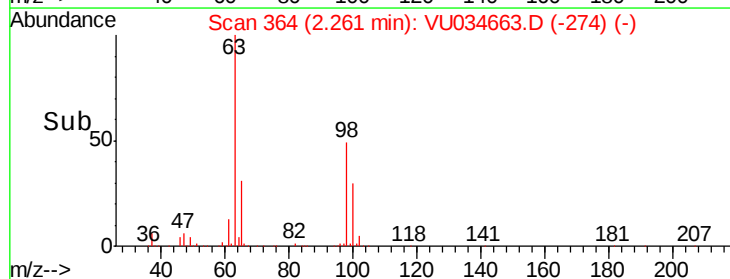
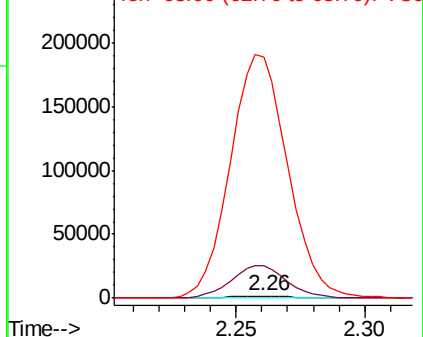
63 10834.4 113.8 211.3#

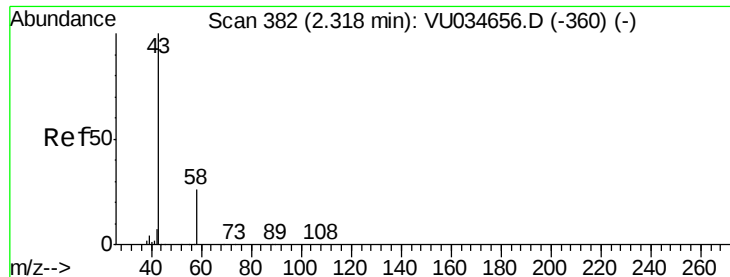


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.963 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

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Instrument :

MSVOA_U

ClientSampleId :

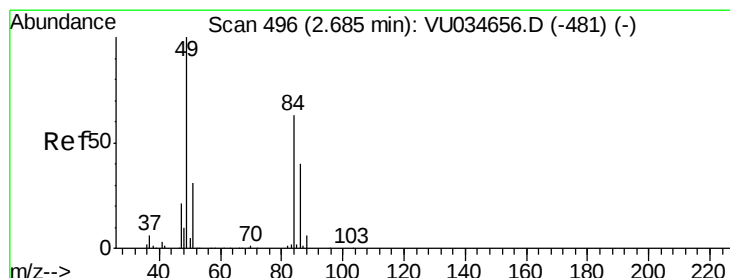
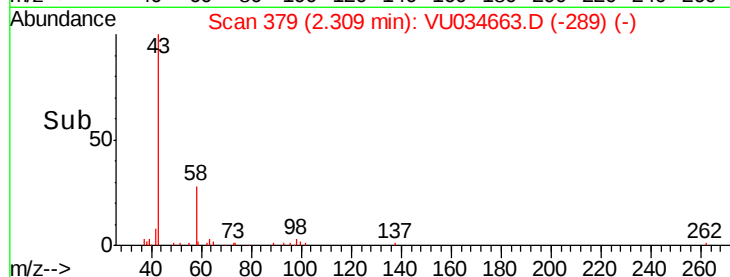
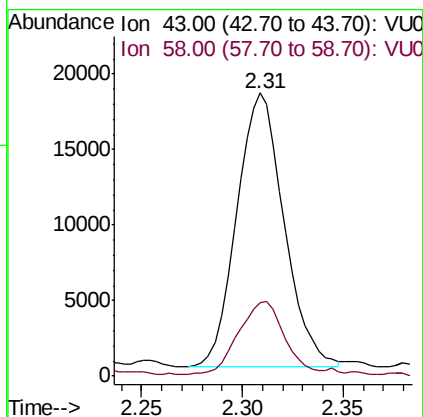
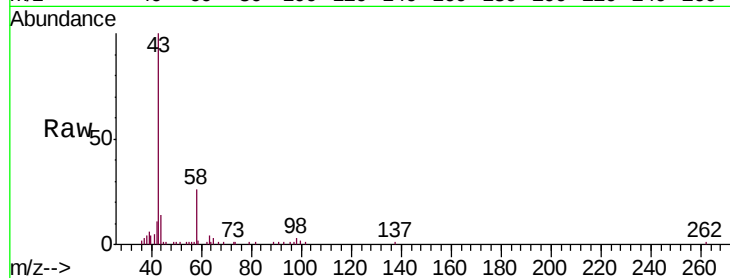
BFDJ2

Tgt Ion: 43 Resp: 29626

Ion Ratio Lower Upper

43 100

58 27.6 0.0 53.4



#16

Methylene chloride

Concen: 1.330 ug/L

RT: 2.69 min Scan# 498

Delta R.T. 0.01 min

Lab File: VU034663.D

Acq: 19 Sep 2019 21:49

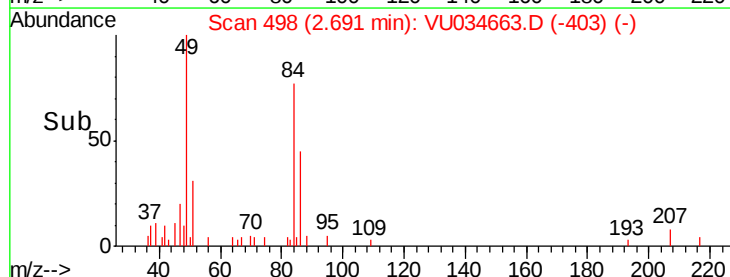
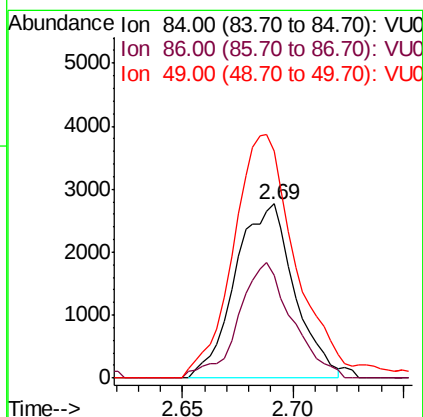
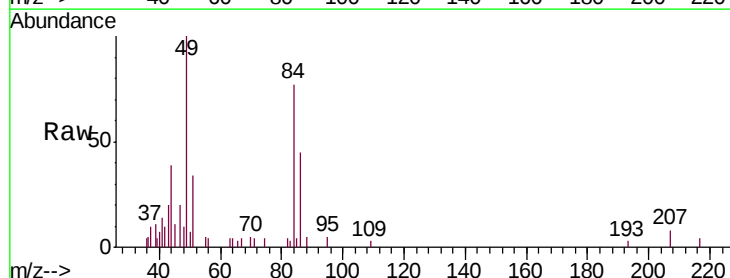
Tgt Ion: 84 Resp: 5138

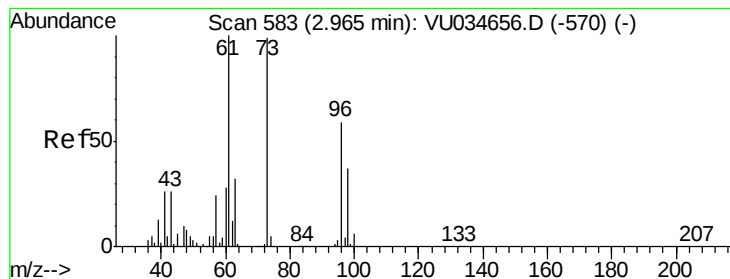
Ion Ratio Lower Upper

84 100

86 59.0 43.0 80.0

49 130.4 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 7.138 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034663.D

Acq: 19 Sep 2019 21:49

Instrument :

MSVOA_U

ClientSampleId :

BFDJ2

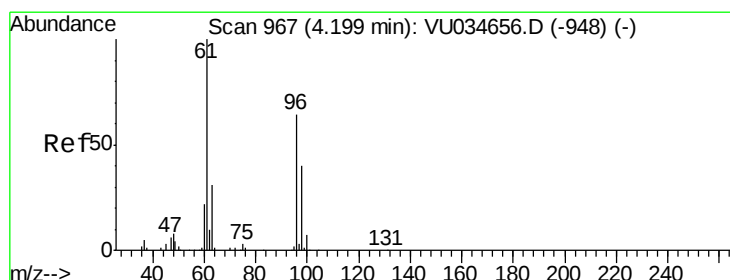
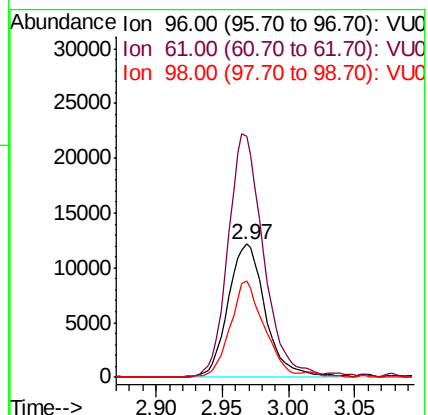
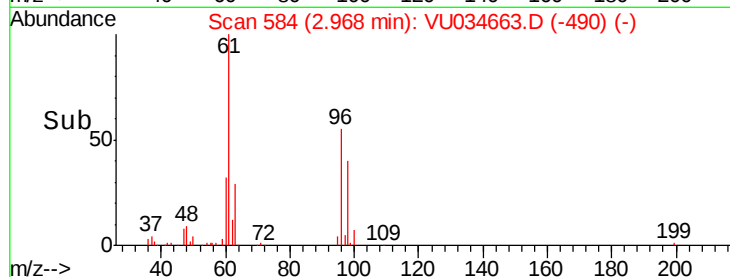
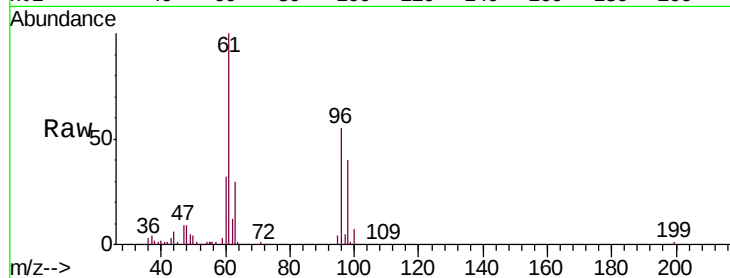
Tgt Ion: 96 Resp: 23806

Ion Ratio Lower Upper

96 100

61 180.9 124.0 230.4

98 72.8 46.1 85.7



#20

cis-1,2-Dichloroethene

Concen: 22.794 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034663.D

Acq: 19 Sep 2019 21:49

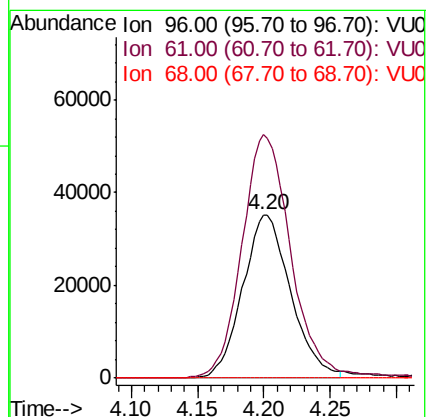
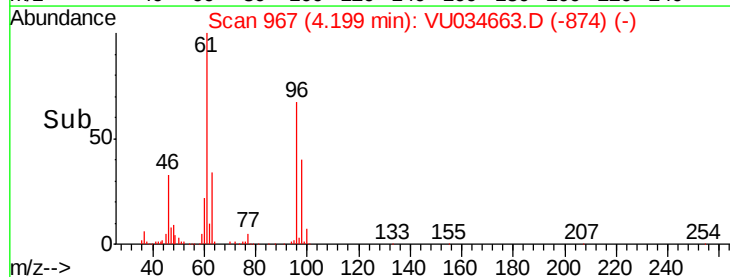
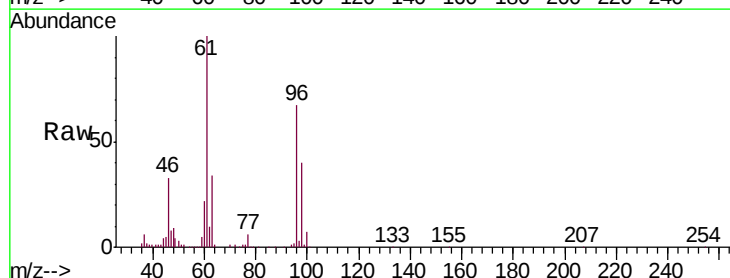
Tgt Ion: 96 Resp: 88882

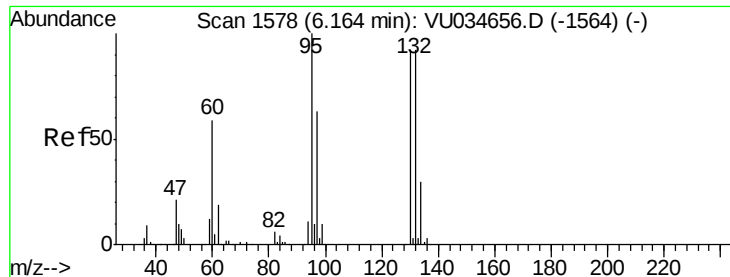
Ion Ratio Lower Upper

96 100

61 148.9 108.8 202.2

68 0.0 0.0 0.0

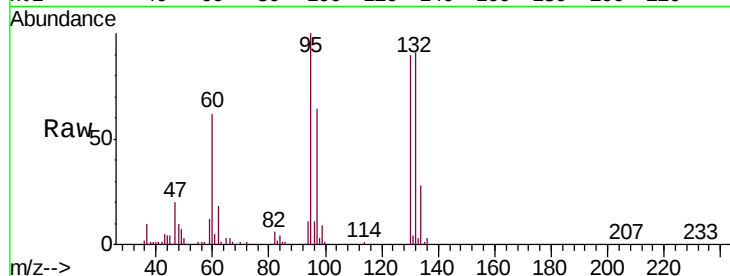




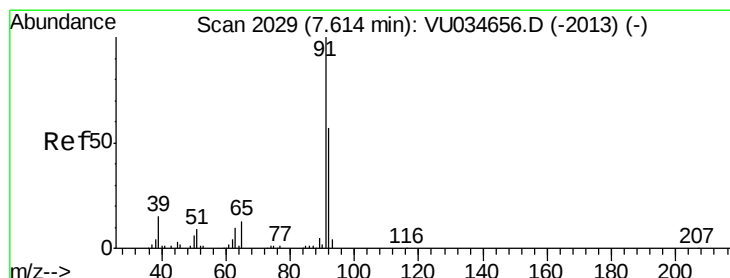
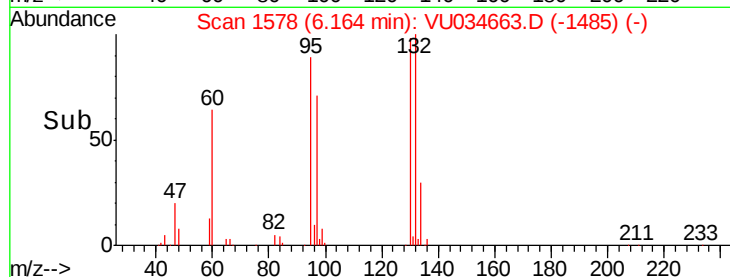
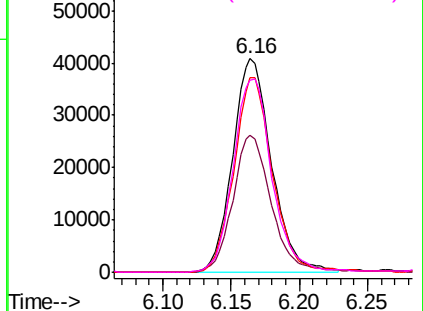
#34
 Trichloroethene
 Concen: 21.588 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034663.D
 Acq: 19 Sep 2019 21:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDJ2

Tgt Ion: 95 Resp: 80940
 Ion Ratio Lower Upper
 95 100
 97 64.4 43.7 81.1
 132 91.3 61.0 113.2
 130 90.0 65.7 121.9

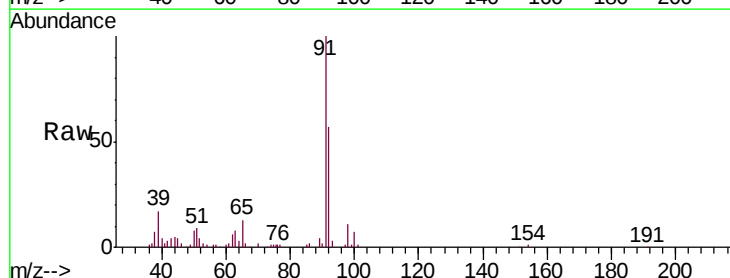


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

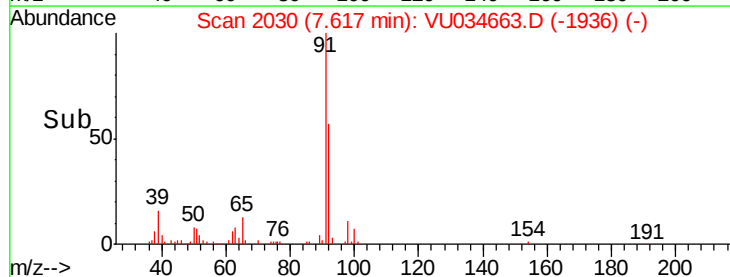
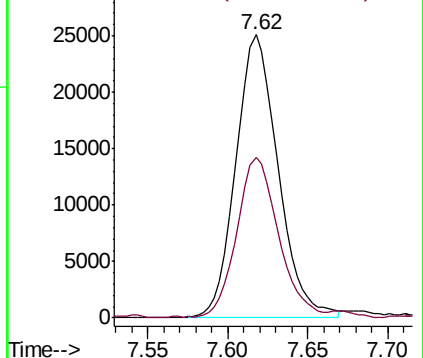


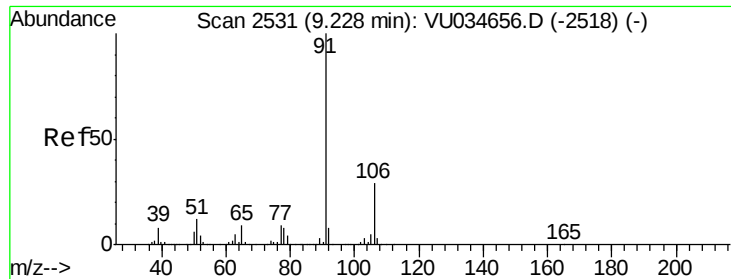
#42
 Toluene
 Concen: 2.759 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034663.D
 Acq: 19 Sep 2019 21:49

Tgt Ion: 91 Resp: 45265
 Ion Ratio Lower Upper
 91 100
 92 56.9 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#52

Ethylbenzene

Concen: 0.995 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034663.D

Acq: 19 Sep 2019 21:49

Instrument :

MSVOA_U

ClientSampleId :

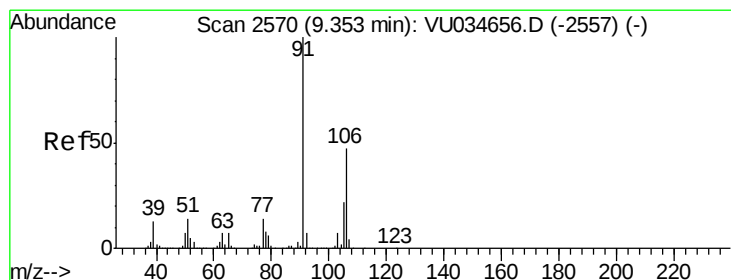
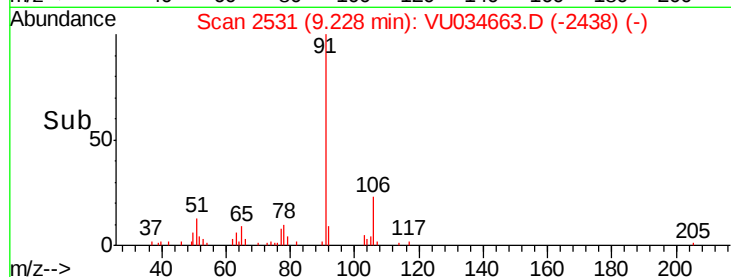
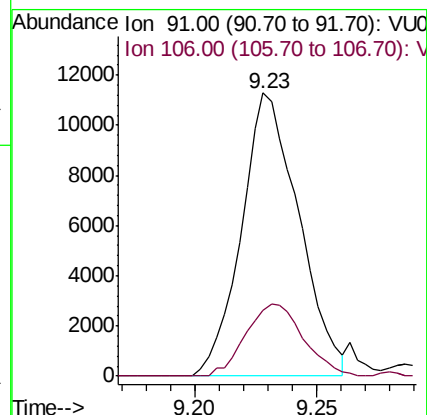
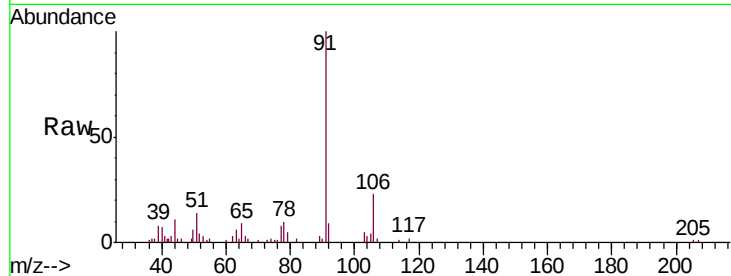
BFDJ2

Tgt Ion: 91 Resp: 18392

Ion Ratio Lower Upper

91 100

106 23.2 20.6 38.4



#53

m,p-Xylene

Concen: 1.561 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034663.D

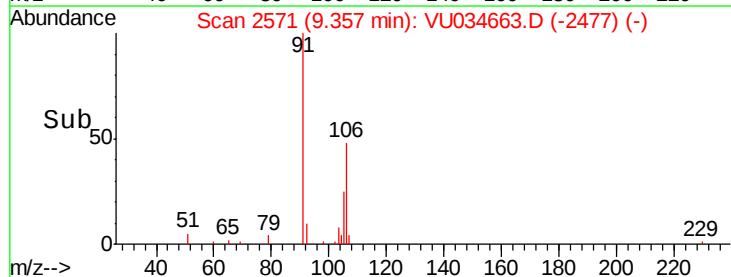
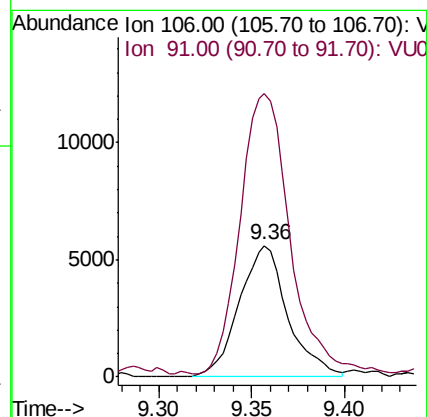
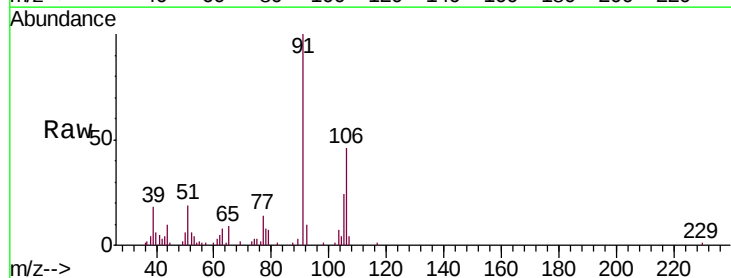
Acq: 19 Sep 2019 21:49

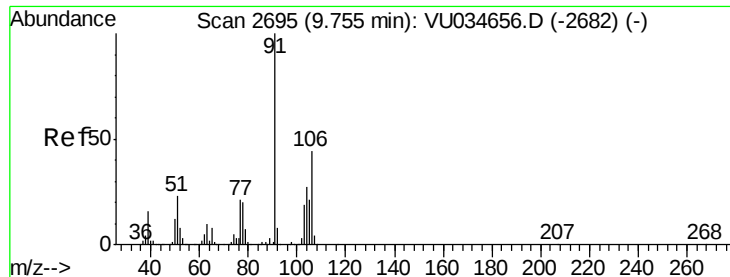
Tgt Ion: 106 Resp: 10217

Ion Ratio Lower Upper

106 100

91 215.7 146.9 272.7





#54

o-xylene

Concen: 4.598 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

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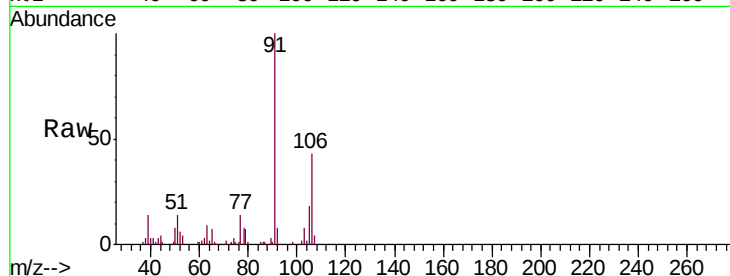
BFDJ2

Tgt Ion:106 Resp: 29762

Ion Ratio Lower Upper

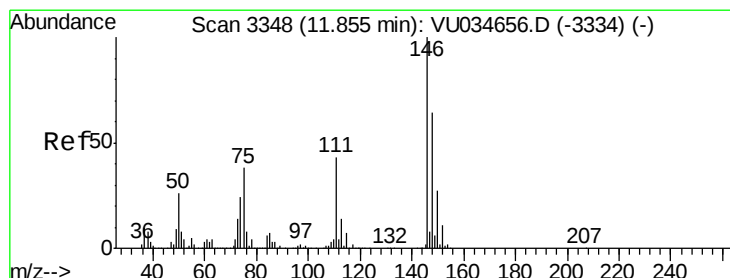
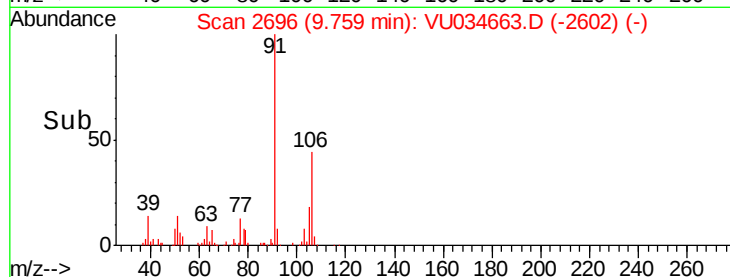
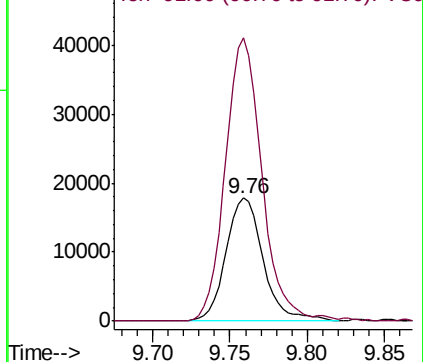
106 100

91 230.4 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

1,2-Dichlorobenzene

Concen: 0.892 ug/L

RT: 11.85 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VU034663.D

Acq: 19 Sep 2019 21:49

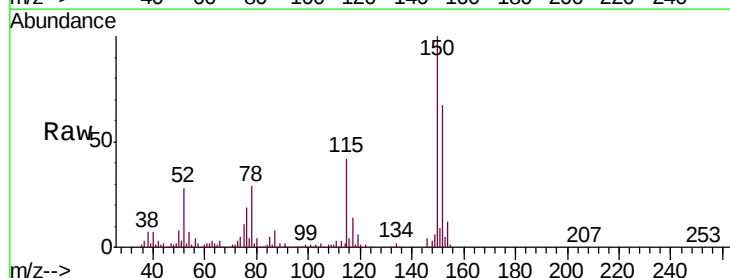
Tgt Ion:146 Resp: 5970

Ion Ratio Lower Upper

146 100

111 71.6 35.2 52.8#

148 67.3 53.0 79.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

