

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121119\
 Data File : VU036132.D
 Acq On : 11 Dec 2019 14:46
 Operator : JC/MD
 Sample : K6167-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQX0

Quant Time: Dec 12 07:37:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 12 06:08:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	311117	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	347153	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	128124	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	130443	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.93	69	127094	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.59	63	139316	2.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.00%#
20) 2-Butanone-d5	4.70	46	301025	63.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.42%
24) Chloroform-d	5.11	84	216765	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.75	65	110995	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.77	84	402696	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.73	67	131944	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.93	98	325452	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.21	79	48724	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.68	63	228650	57.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.44%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	123791	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	125130	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	21383	0.686	ug/L #	71
8) Chloroethane	1.95	64	17342	0.732	ug/L	91
13) Acetone	2.68	43	206409	34.411	ug/L	99
16) Methylene chloride	3.08	84	9662	0.307	ug/L	93
19) 1,1-Dichloroethane	3.92	63	58164	1.403	ug/L	97
21) 2-Butanone	4.78	43	14030	2.337	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	55031	2.269	ug/L	96
25) Chloroform	5.14	83	48589	1.051	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	25435	0.650	ug/L	97
33) Benzene	5.82	78	65159	0.687	ug/L	100
38) Bromodichloromethane	7.14	83	6875	0.215	ug/L #	95
42) Toluene	8.00	91	16268	0.160	ug/L	96
51) Chlorobenzene	9.48	112	237087	3.343	ug/L	97
53) m,p-Xylene	9.72	106	4520	0.106	ug/L	98
54) o-Xylene	10.12	106	3819	0.096	ug/L	99
55) Styrene	10.14	104	7435	0.109	ug/L	91
56) Isopropylbenzene	10.51	105	23173	0.220	ug/L	99

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QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration

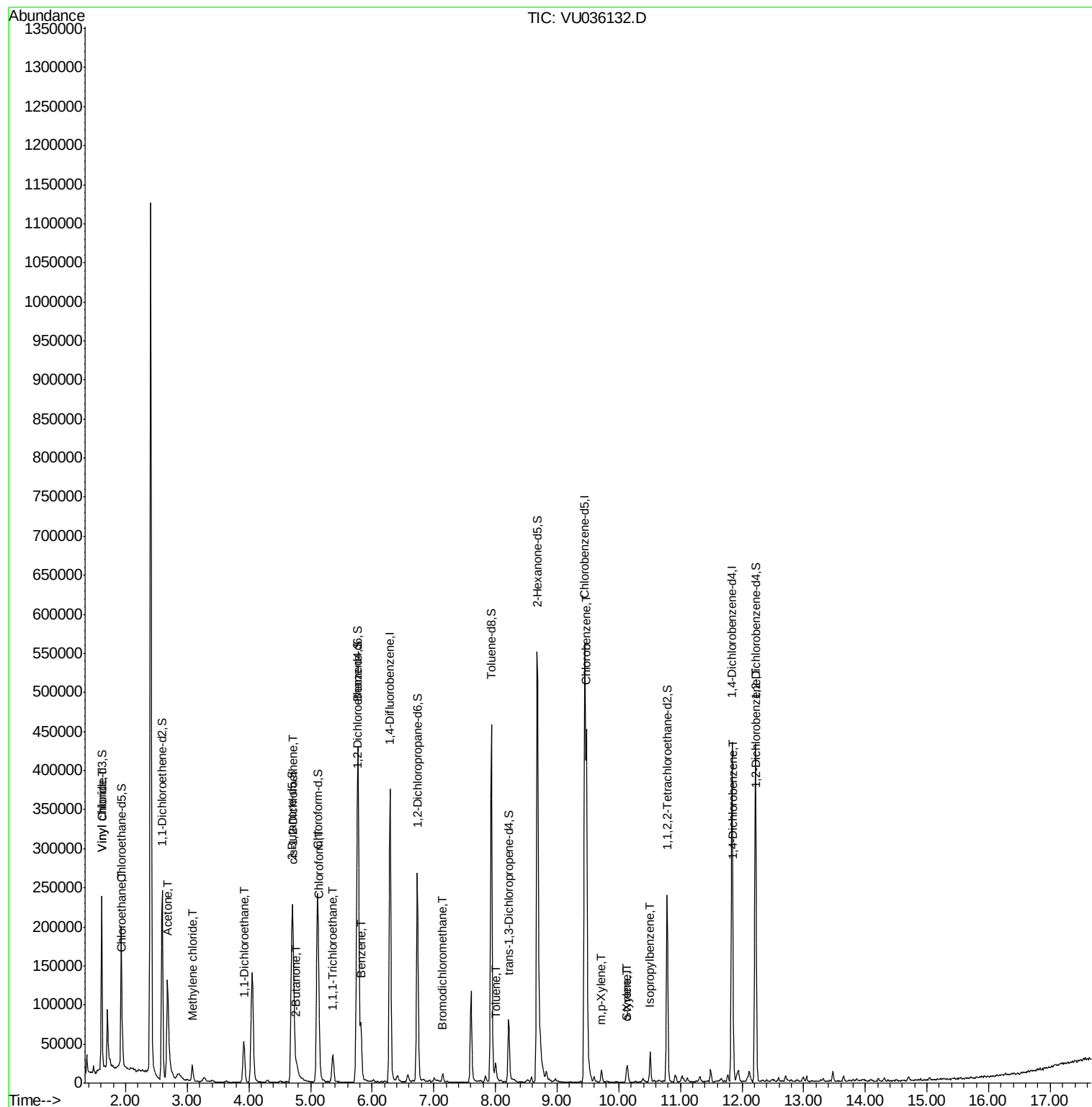
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.86	146	7460	0.181	ug/L	90
65) 1,2-Dichlorobenzene	12.24	146	6455	0.156	ug/L #	90

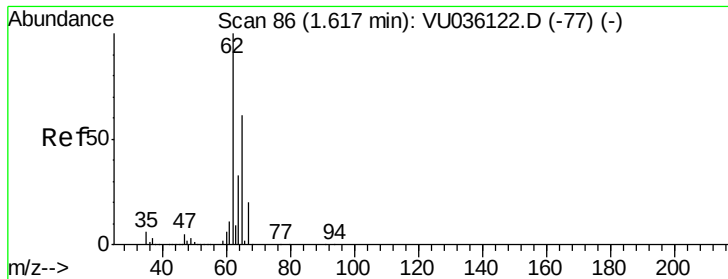
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.686 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036132.D

Acq: 11 Dec 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

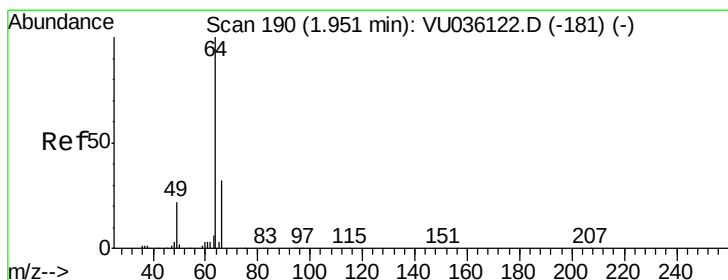
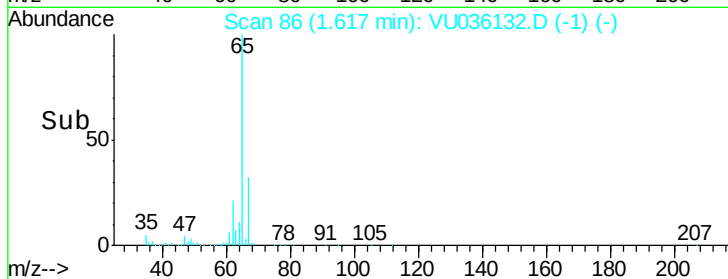
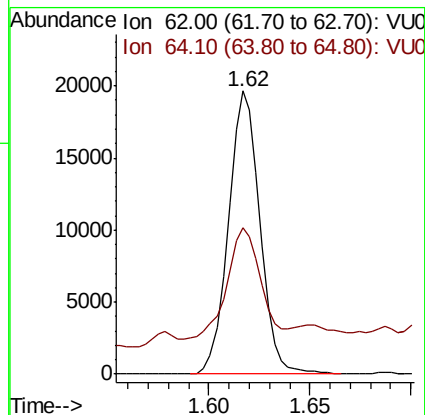
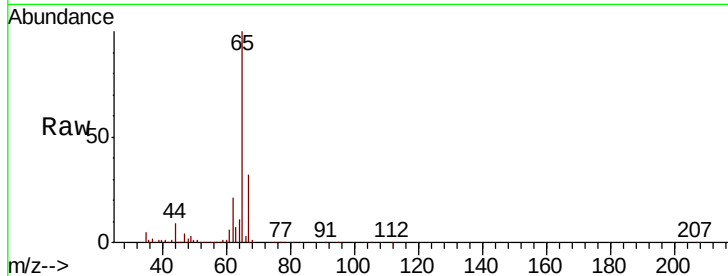
BFQX0

Tot Ion: 62 Resp: 21383

Ion Ratio Lower Upper

62 100

64 51.7 24.3 45.1#



#8

Chloroethane

Concen: 0.732 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036132.D

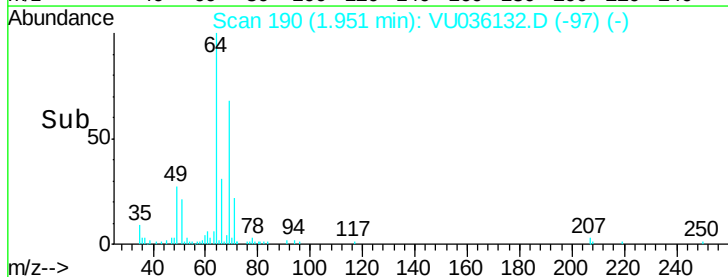
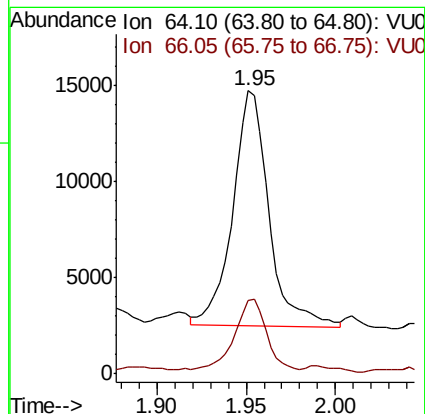
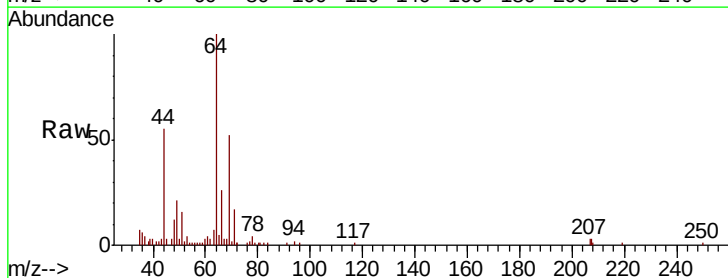
Acq: 11 Dec 2019 14:46

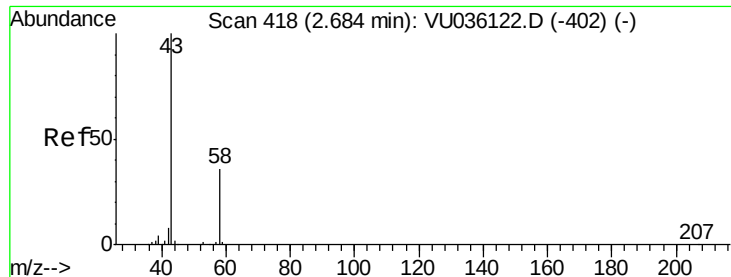
Tgt Ion: 64 Resp: 17342

Ion Ratio Lower Upper

64 100

66 25.8 21.5 39.9





#13

Acetone

Concen: 34.411 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU036132.D

Acq: 11 Dec 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

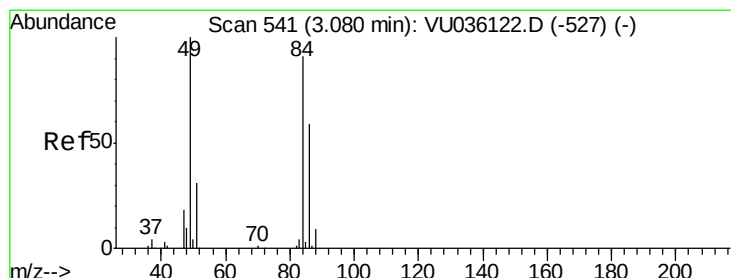
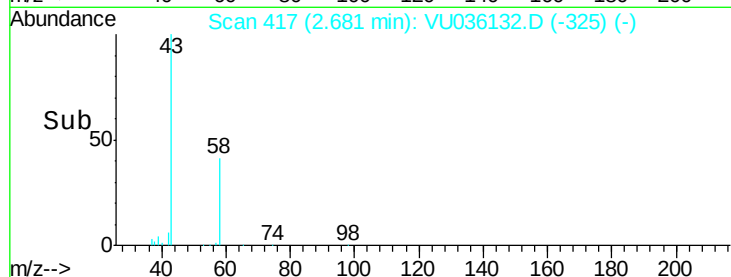
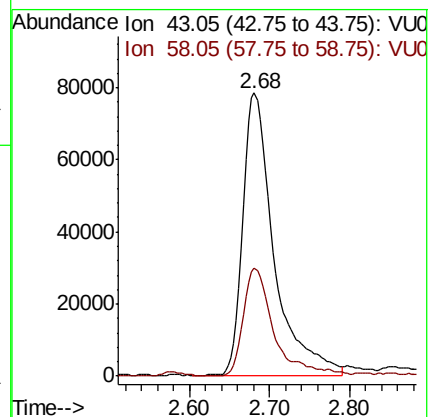
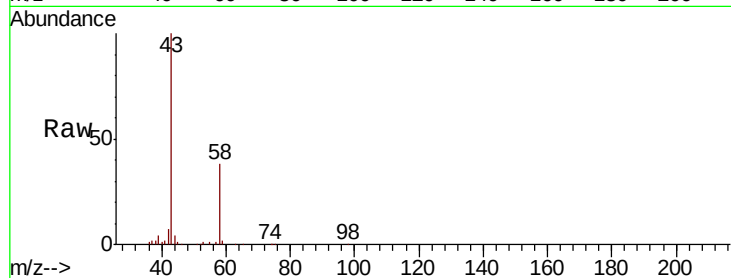
BFQX0

Tot Ion: 43 Resp: 206409

Ion Ratio Lower Upper

43 100

58 37.8 0.0 74.2



#16

Methylene chloride

Concen: 0.307 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036132.D

Acq: 11 Dec 2019 14:46

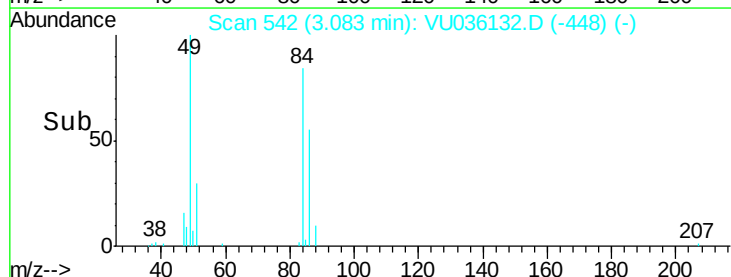
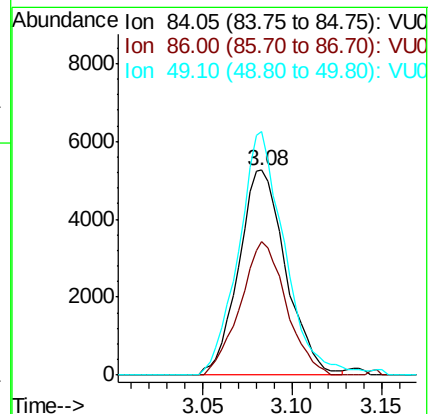
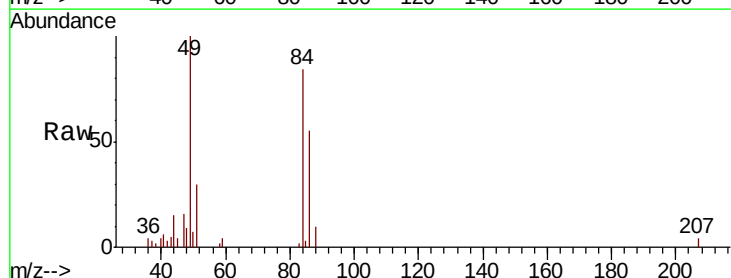
Tgt Ion: 84 Resp: 9662

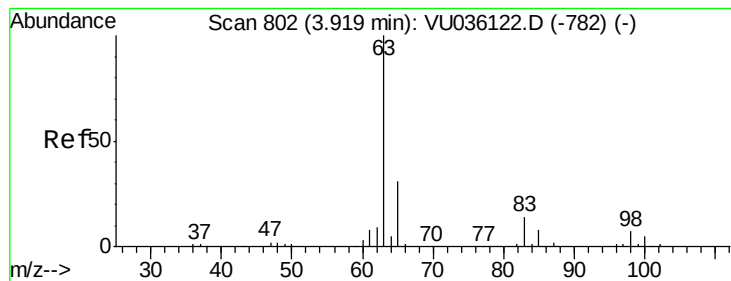
Ion Ratio Lower Upper

84 100

86 65.2 47.5 88.3

49 118.9 76.9 142.9





#19

1,1-Dichloroethane

Concen: 1.403 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036132.D

Acq: 11 Dec 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

BFQX0

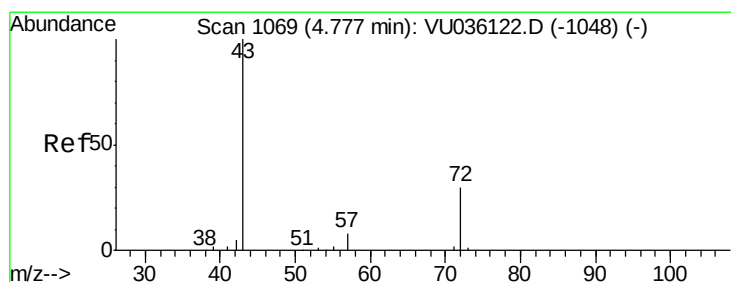
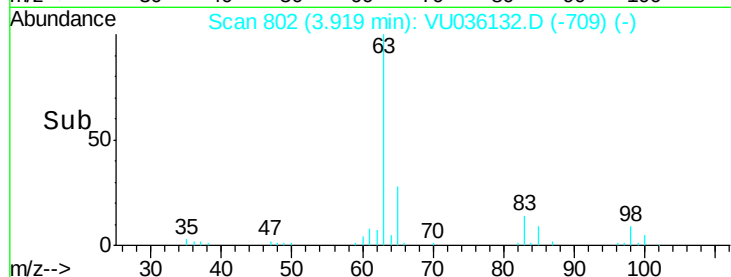
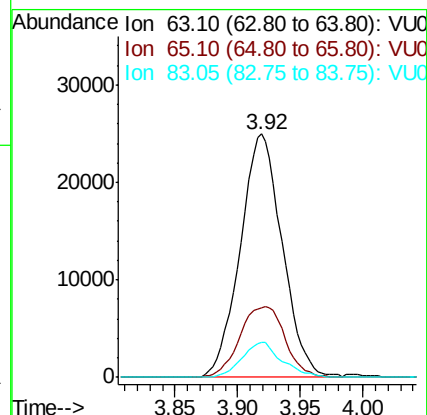
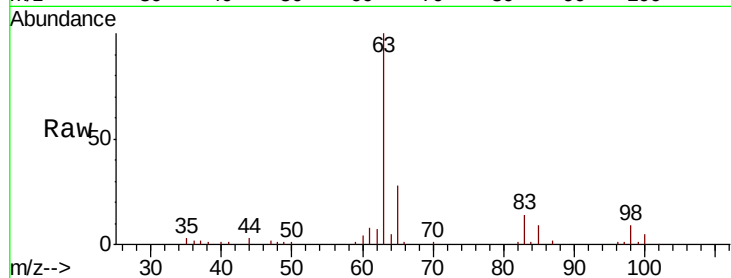
Tot Ion: 63 Resp: 58164

Ion Ratio Lower Upper

63 100

65 28.4 21.8 40.4

83 14.3 10.1 18.9



#21

2-Butanone

Concen: 2.337 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU036132.D

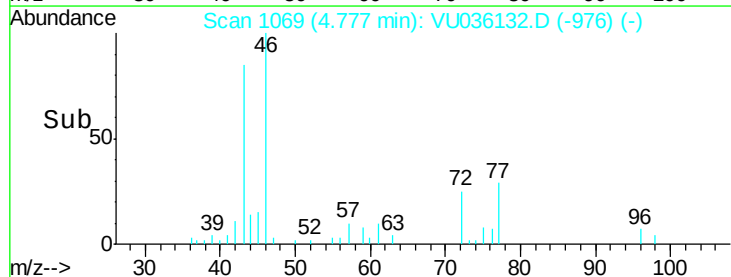
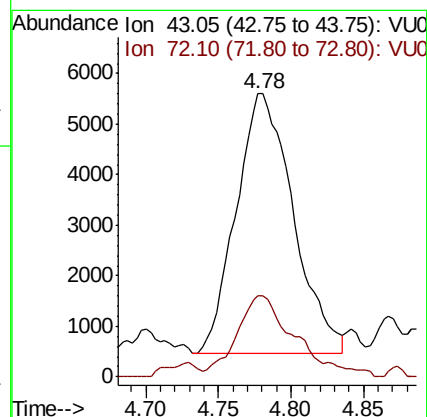
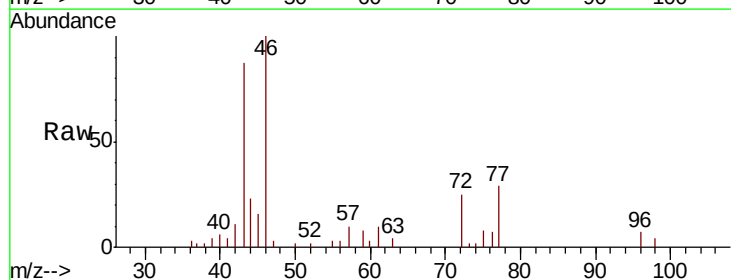
Acq: 11 Dec 2019 14:46

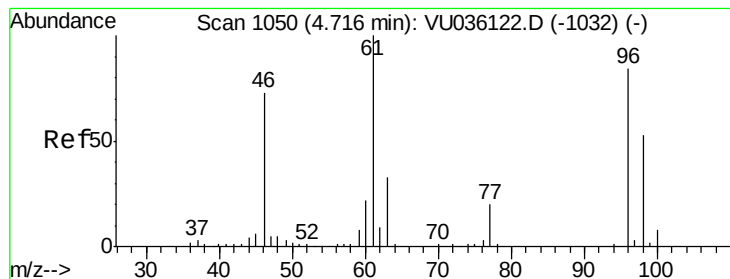
Tgt Ion: 43 Resp: 14030

Ion Ratio Lower Upper

43 100

72 32.0 15.0 45.0





#22

cis-1,2-Dichloroethene

Concen: 2.269 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036132.D

Acq: 11 Dec 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

BFQX0

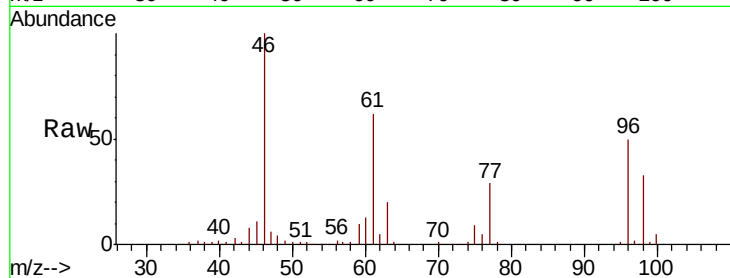
Tot Ion: 96 Resp: 55031

Ion Ratio Lower Upper

96 100

61 122.8 83.0 154.2

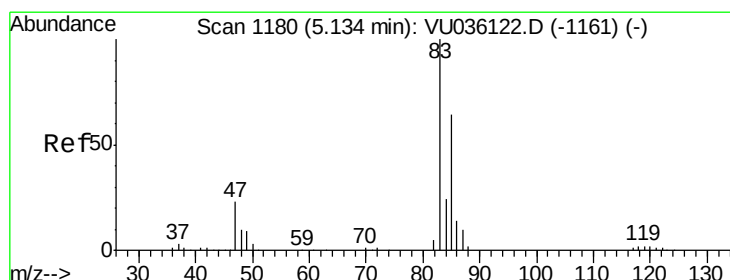
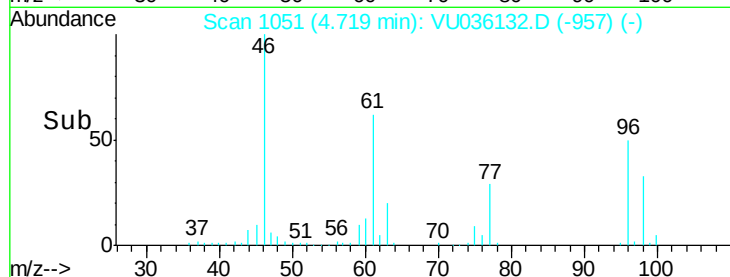
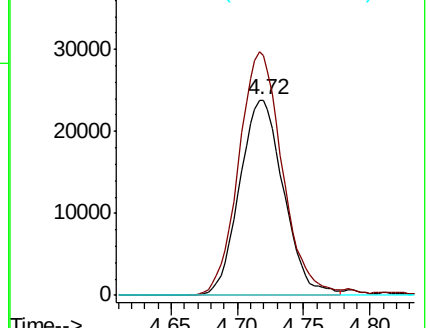
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036132.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036132.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036132.D (-957) (-)



#25

Chloroform

Concen: 1.051 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036132.D

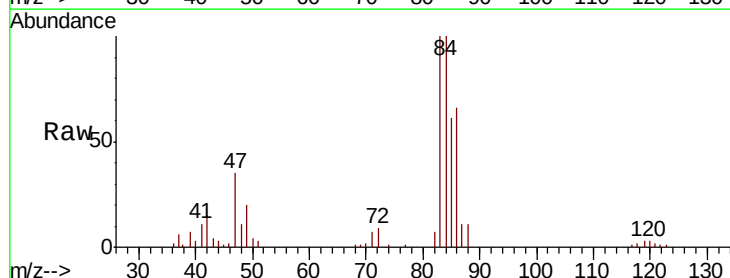
Acq: 11 Dec 2019 14:46

Tgt Ion: 83 Resp: 48589

Ion Ratio Lower Upper

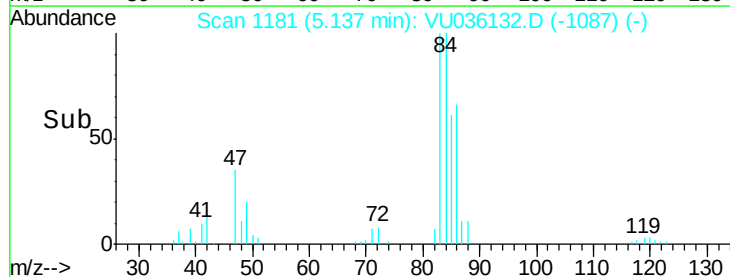
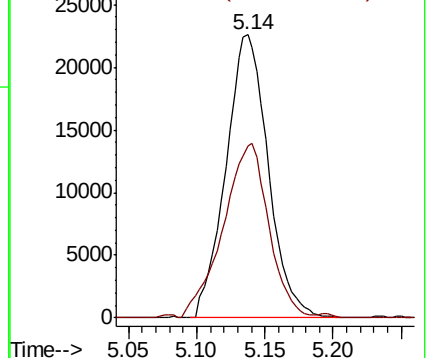
83 100

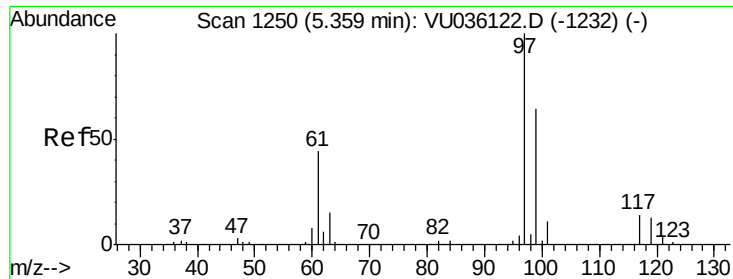
85 61.0 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU036132.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU036132.D (-1087) (-)

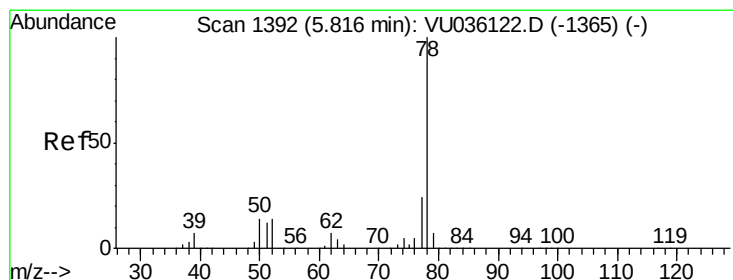
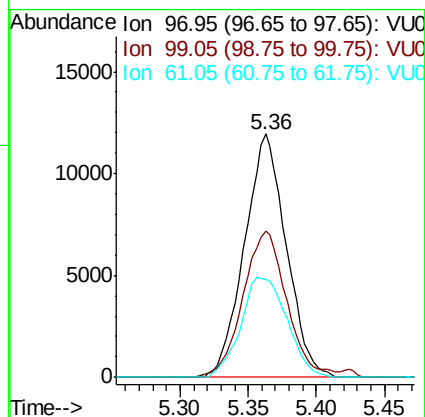
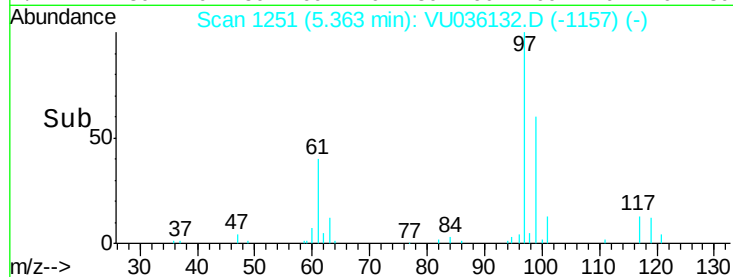
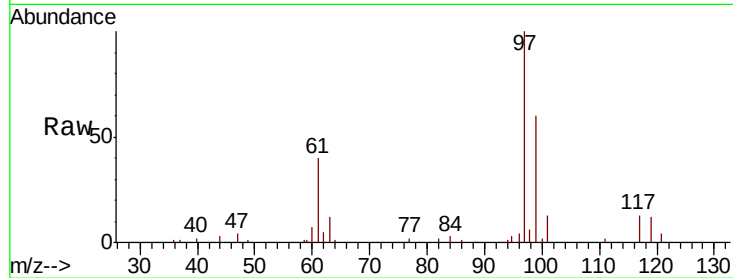




#29
 1,1,1-Trichloroethane
 Concen: 0.650 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036132.D
 Acq: 11 Dec 2019 14:46

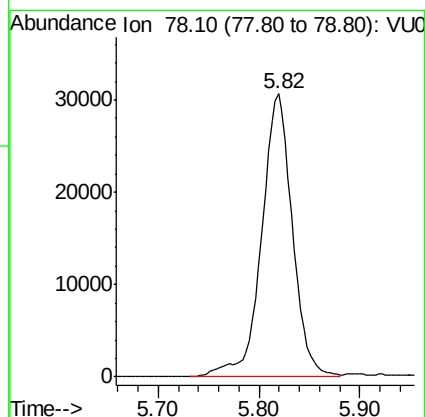
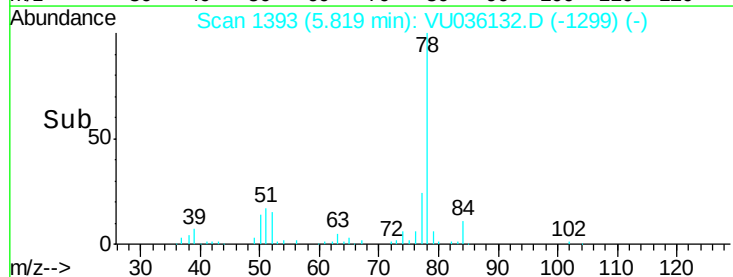
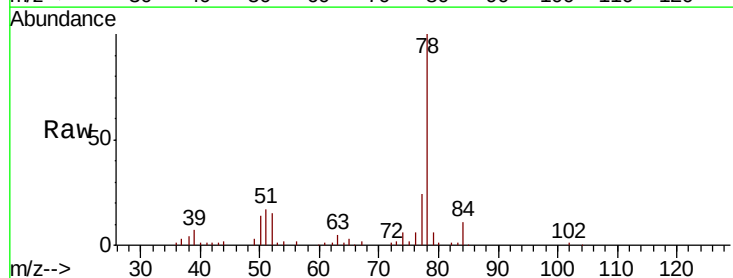
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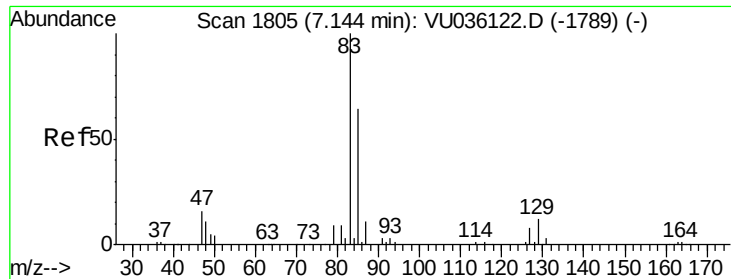
Tot Ion: 97 Resp: 25435
 Ion Ratio Lower Upper
 97 100
 99 63.0 52.2 78.2
 61 45.3 34.7 52.1



#33
 Benzene
 Concen: 0.687 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VU036132.D
 Acq: 11 Dec 2019 14:46

Tgt Ion: 78 Resp: 65159

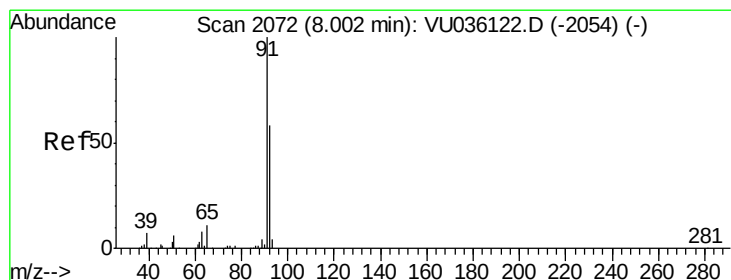
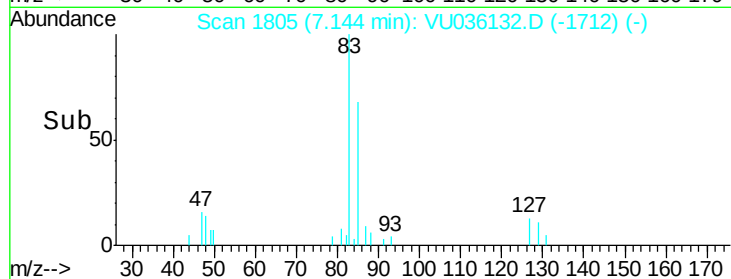
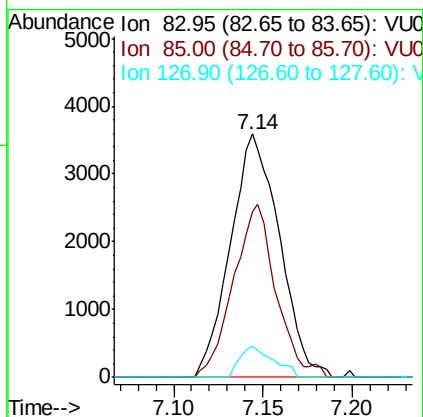
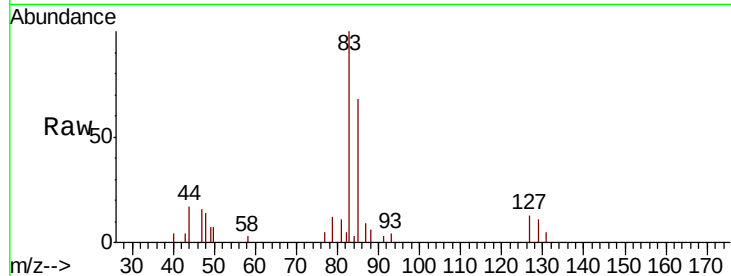




#38
 Bromodichloromethane
 Concen: 0.215 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036132.D
 Acq: 11 Dec 2019 14:46

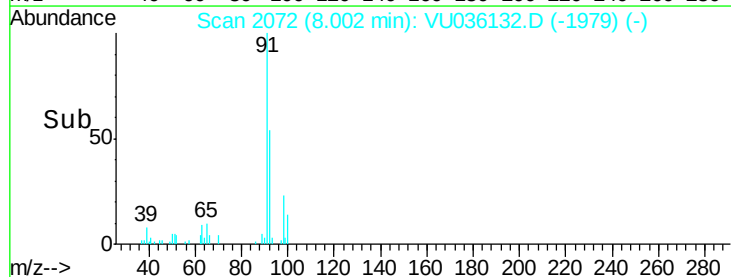
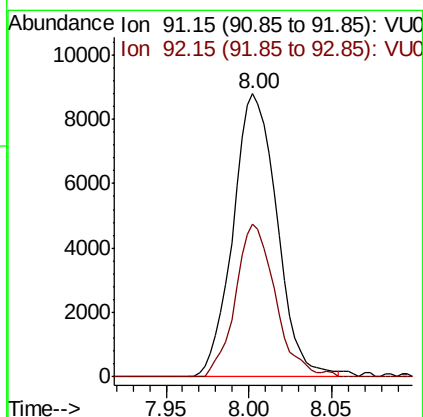
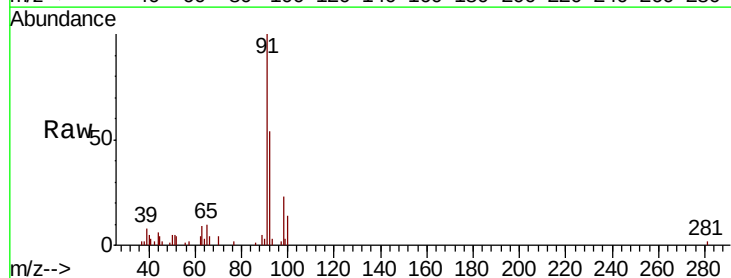
Instrument :
 MSVOA_U
 ClientSampleId :
 BFQX0

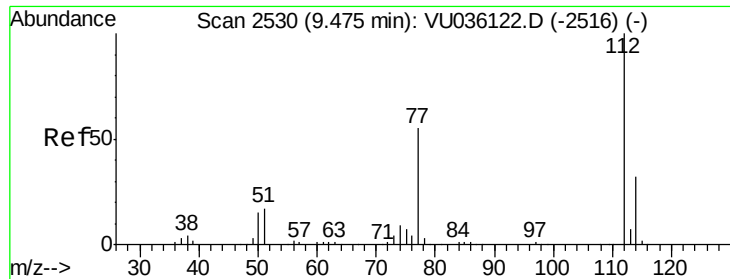
Tot Ion	83	Resp	6875
Ion Ratio	100		
Lower	45.2		
Upper	84.0		
85	67.9		
127	12.7		
	7.4		
	11.2#		



#42
 Toluene
 Concen: 0.160 ug/L
 RT: 8.00 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VU036132.D
 Acq: 11 Dec 2019 14:46

Tgt Ion	91	Resp	16268
Ion Ratio	100		
Lower	40.0		
Upper	74.4		
92	54.2		

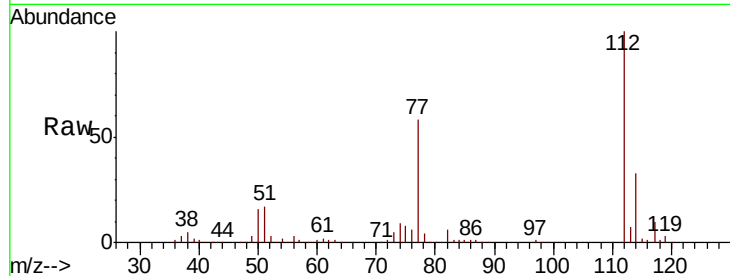




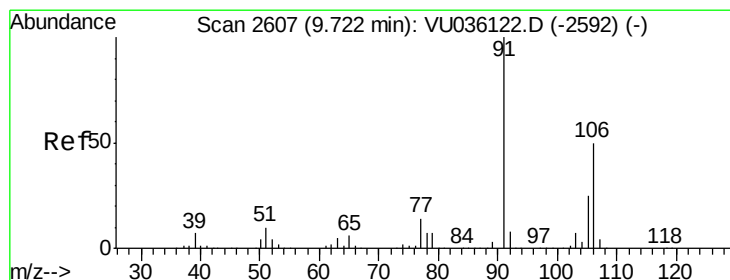
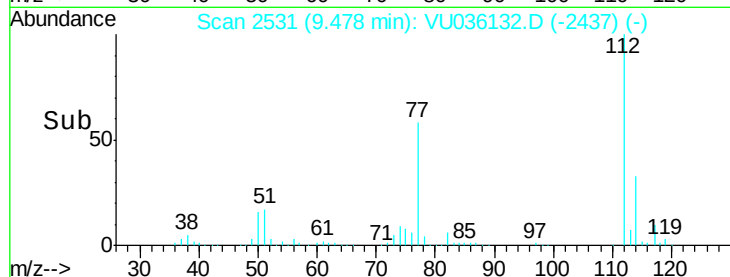
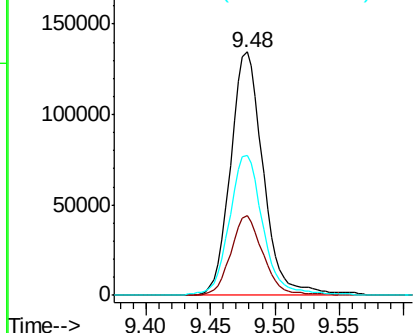
#51
Chlorobenzene
Concen: 3.343 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036132.D
Acq: 11 Dec 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
BFQX0

Tot Ion:112 Resp: 237087
Ion Ratio Lower Upper
112 100
114 32.6 22.3 41.5
77 57.6 43.8 65.8

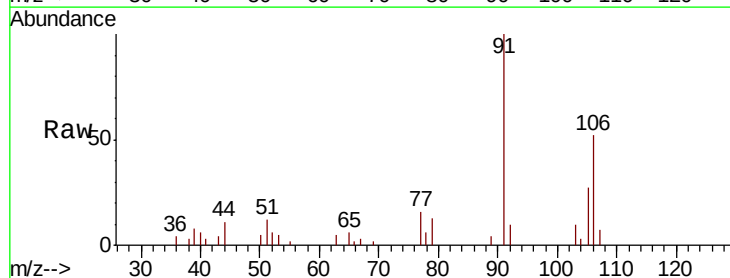


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

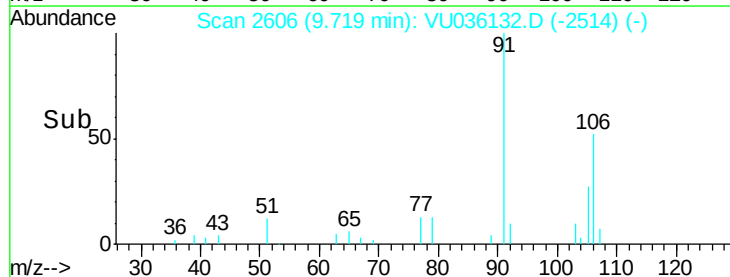
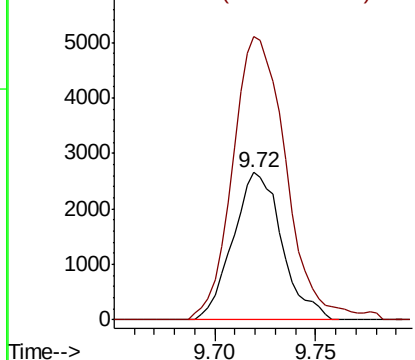


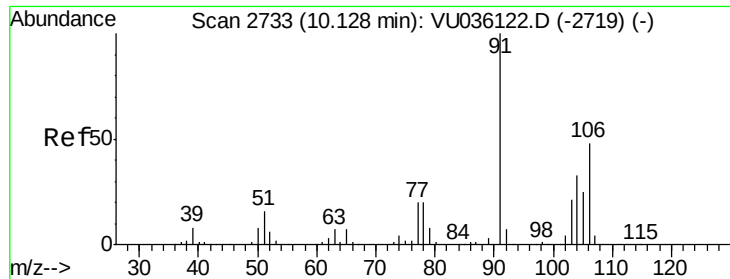
#53
m,p-Xylene
Concen: 0.106 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036132.D
Acq: 11 Dec 2019 14:46

Tgt Ion:106 Resp: 4520
Ion Ratio Lower Upper
106 100
91 192.3 136.9 254.3



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): V

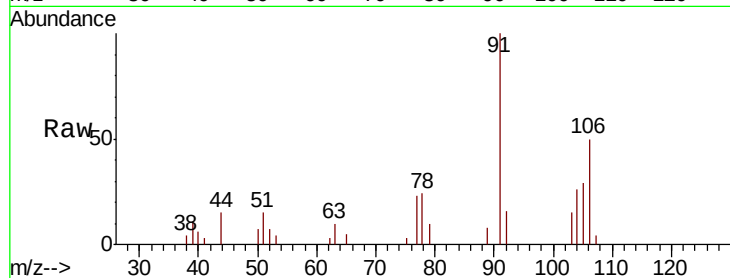




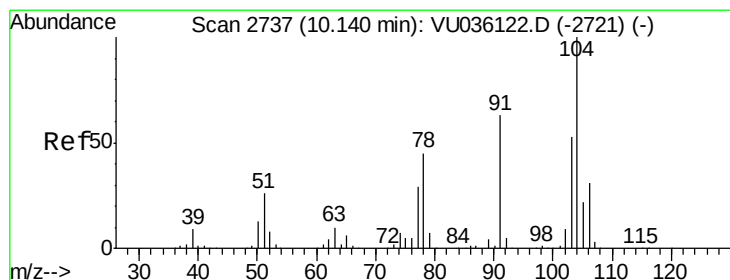
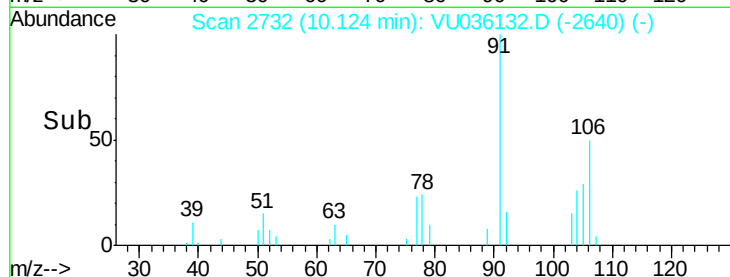
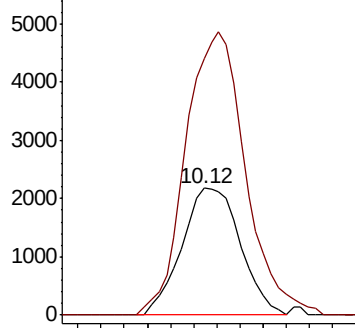
#54
o-Xylene
Concen: 0.096 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036132.D
Acq: 11 Dec 2019 14:46

Instrument :
MSVOA_U
ClientSampleId :
BFQX0

Tot Ion:106 Resp: 3819
Ion Ratio Lower Upper
106 100
91 201.8 140.6 261.2

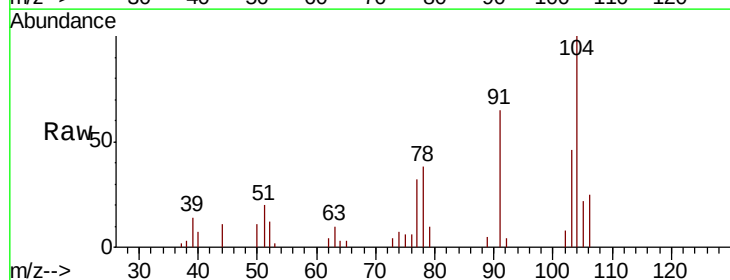


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

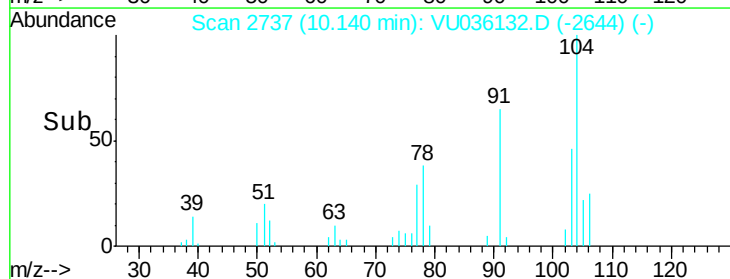
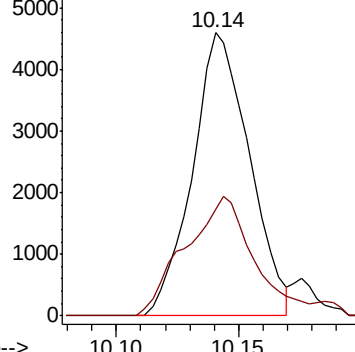


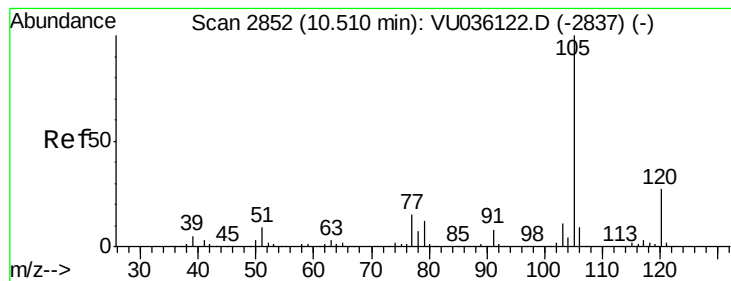
#55
Styrene
Concen: 0.109 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036132.D
Acq: 11 Dec 2019 14:46

Tgt Ion:104 Resp: 7435
Ion Ratio Lower Upper
104 100
78 37.7 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.220 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036132.D

Acq: 11 Dec 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

BFQX0

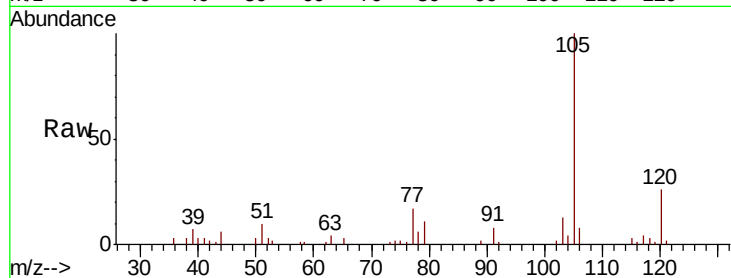
Tot Ion:105 Resp: 23173

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

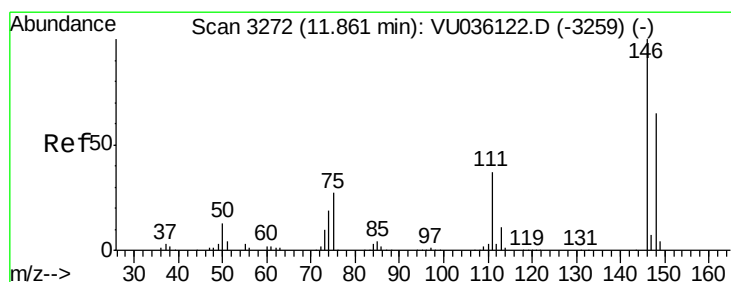
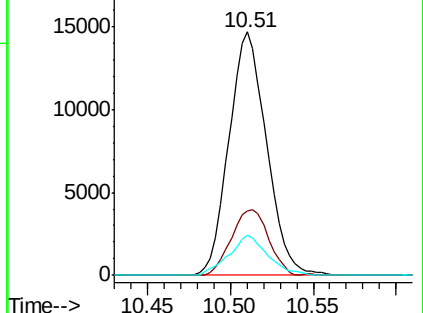
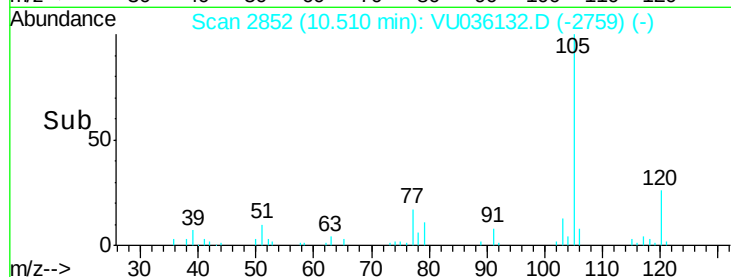
77 16.9 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0



#63

1,4-Dichlorobenzene

Concen: 0.181 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036132.D

Acq: 11 Dec 2019 14:46

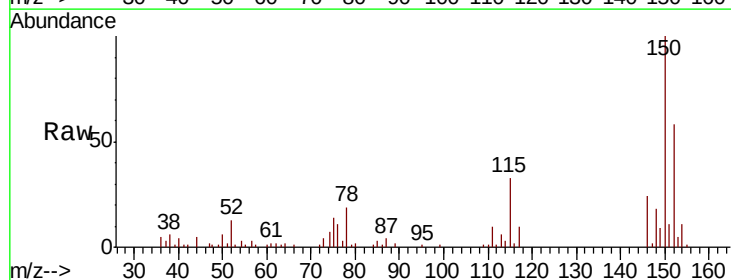
Tgt Ion:146 Resp: 7460

Ion Ratio Lower Upper

146 100

111 40.8 26.2 48.6

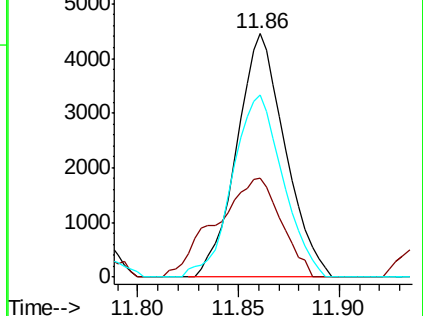
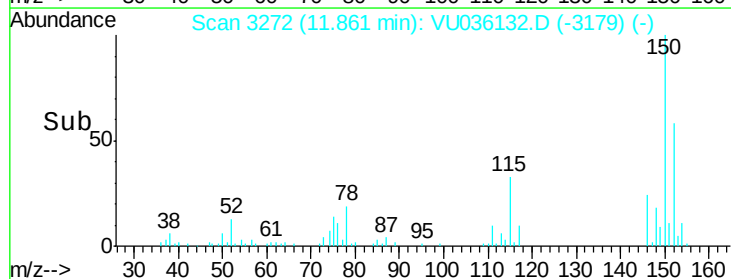
148 74.6 44.9 83.5

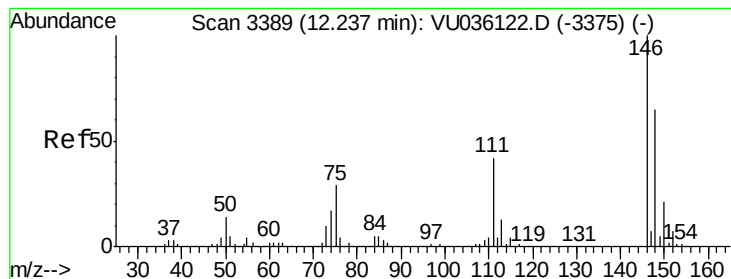


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.156 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU036132.D

Acq: 11 Dec 2019 14:46

Instrument :

MSVOA_U

ClientSampleId :

BFQX0

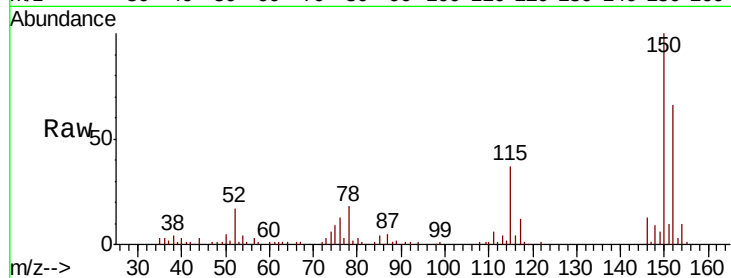
Tot Ion:146 Resp: 6455

Ion Ratio Lower Upper

146 100

111 47.7 31.3 46.9#

148 68.9 50.5 75.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

