

Data File : VU034830.D
Acq On : 26 Sep 2019 02:12
Operator : JC/SP
Sample : K4983-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDL4

Quant Time: Sep 26 07:04:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	405478	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	387726	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	181593	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	183221	44.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.28%
7) Chloroethane-d5	1.67	69	170489	53.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.28%
11) 1,1-Dichloroethene-d2	2.26	63	246551	35.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.14%
21) 2-Butanone-d5	4.15	46	416454	130.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.90%#
24) Chloroform-d	4.81	84	192	0.03	ug/L	0.19
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.06%#
26) 1,2-Dichloroethane-d4	5.29	65	224805	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.36%
32) Benzene-d6	5.32	84	676876	56.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.64%
36) 1,2-Dichloropropane-d6	6.31	67	241971	57.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.22%
41) Toluene-d8	7.54	98	653223	57.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.26%
43) trans-1,3-Dichloropropene-	7.83	79	101078	50.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.48%
47) 2-Hexanone-d5	8.29	63	287429	136.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	136.24%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	337627	57.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.86%
64) 1,2-Dichlorobenzene-d4	11.84	152	234596	61.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.22%#

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2087	0.755	ug/L #	23
13) Acetone	2.31	43	152454	41.195	ug/L	97
15) Methyl Acetate	2.60	43	8334	1.686	ug/L	94
16) Methylene chloride	2.68	84	3112469	926.202	ug/L	96
22) 2-Butanone	4.25	43	58438	13.273	ug/L	99
33) Benzene	5.37	78	56865	4.229	ug/L	100
40) 4-Methyl-2-pentanone	7.40	43	104883	13.720	ug/L #	59
42) Toluene	7.62	91	102852	7.077	ug/L	97
51) Chlorobenzene	9.10	112	18105	2.049	ug/L	92
52) Ethylbenzene	9.23	91	51483	3.146	ug/L	96
53) m,p-Xylene	9.35	106	228775	39.468	ug/L	95
54) o-xylene	9.76	106	91635	15.983	ug/L	89
56) Isopropylbenzene	10.14	105	35692	2.309	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	16120	2.516	ug/L	94
65) 1,2-Dichlorobenzene	11.86	146	53684	8.449	ug/L	98
69) Naphthalene	13.73	128	84700	7.384	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

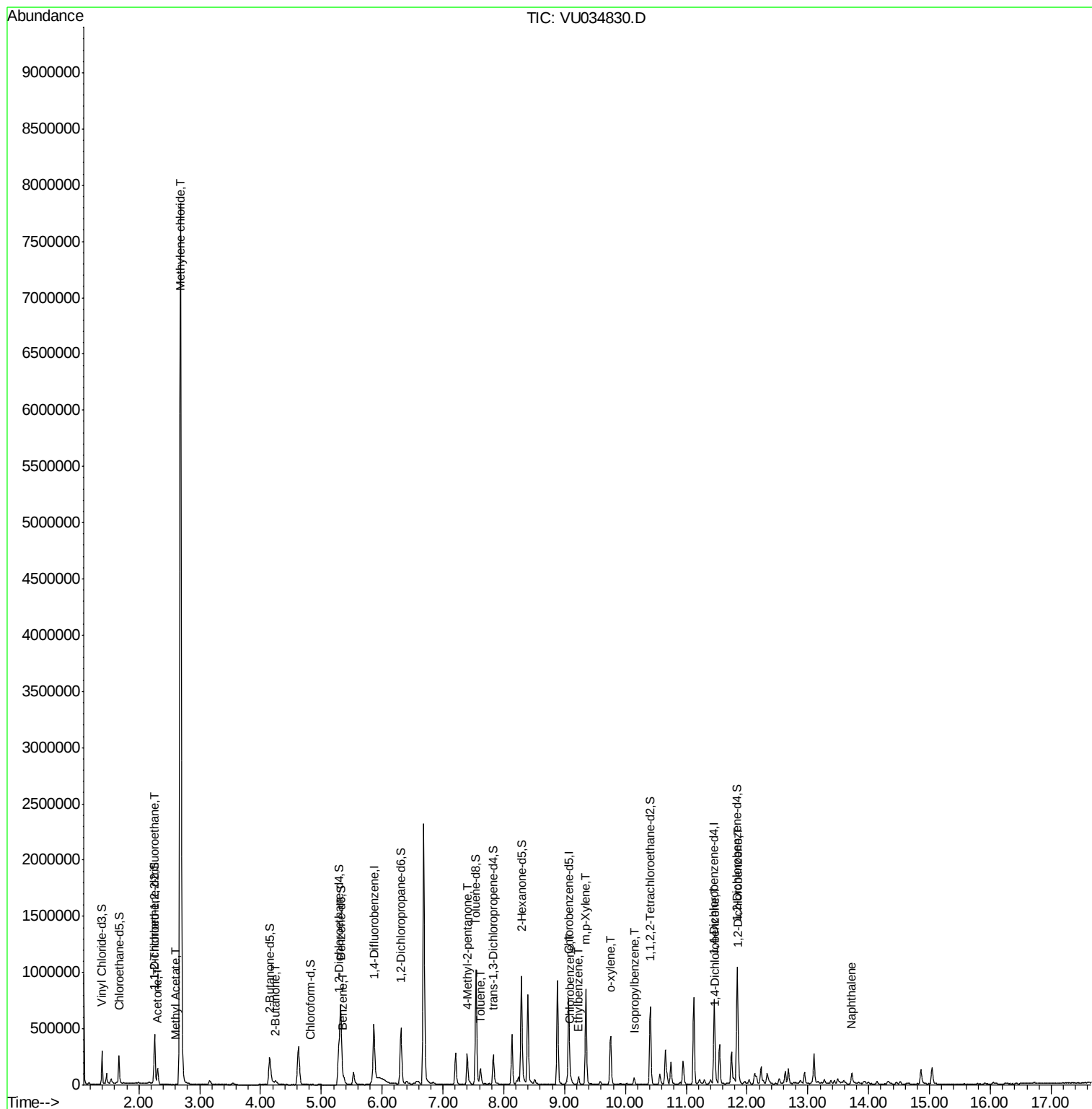
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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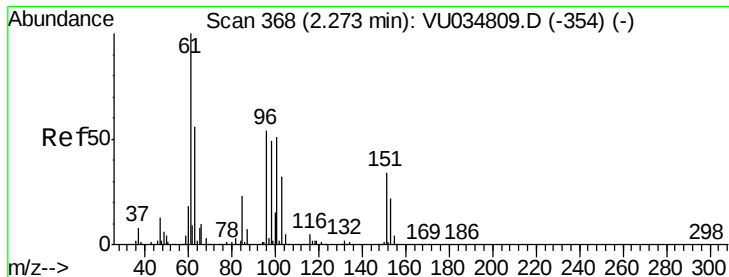
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.755 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU034830.D

Acq: 26 Sep 2019 02:12

Instrument :

MSVOA_U

ClientSampleId :

BFDL4

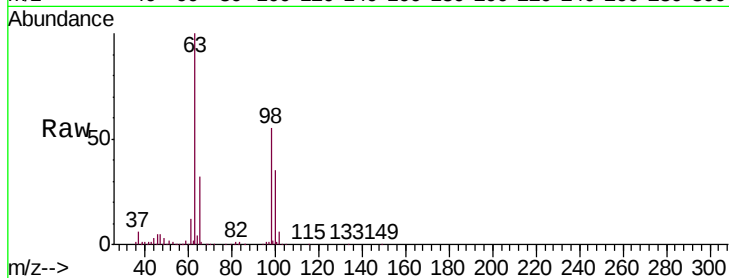
Tgt Ion: 101 Resp: 2087

Ion Ratio Lower Upper

101 100

85 2.4 39.0 58.4#

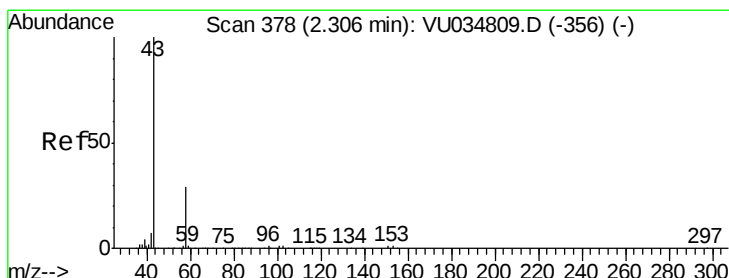
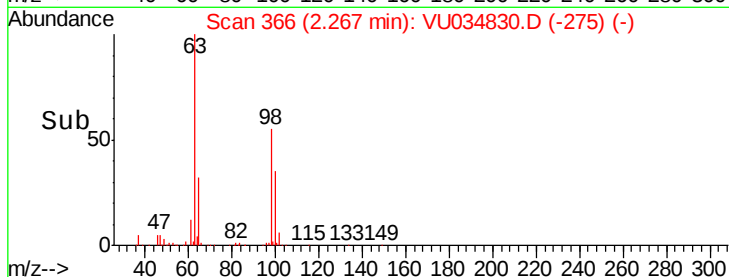
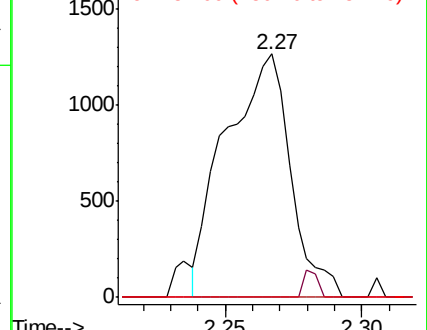
151 0.0 52.8 79.2#



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: 41.195 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034830.D

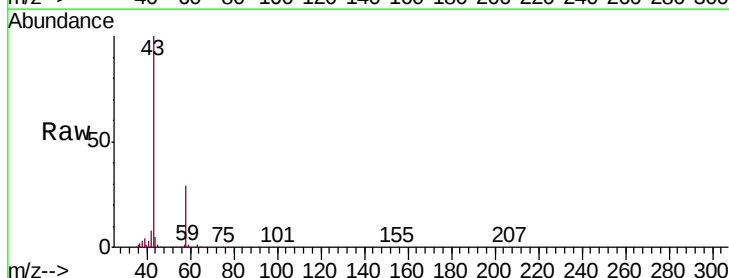
Acq: 26 Sep 2019 02:12

Tgt Ion: 43 Resp: 152454

Ion Ratio Lower Upper

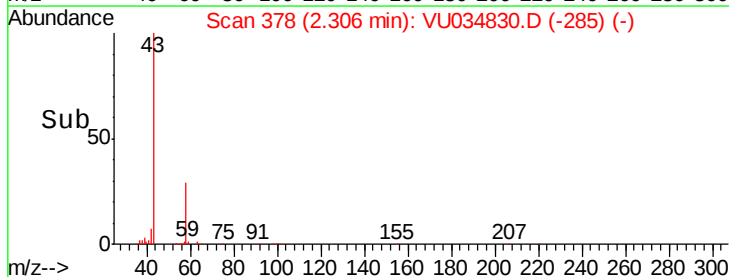
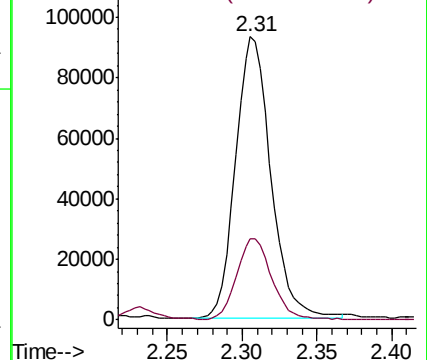
43 100

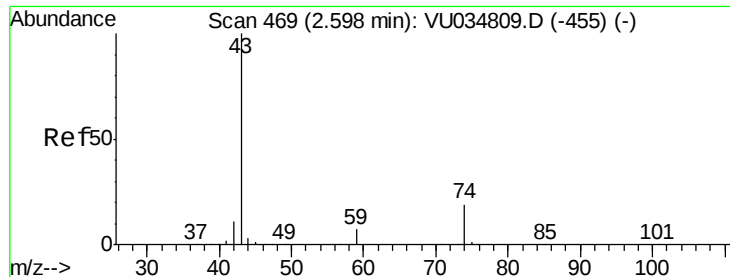
58 28.3 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

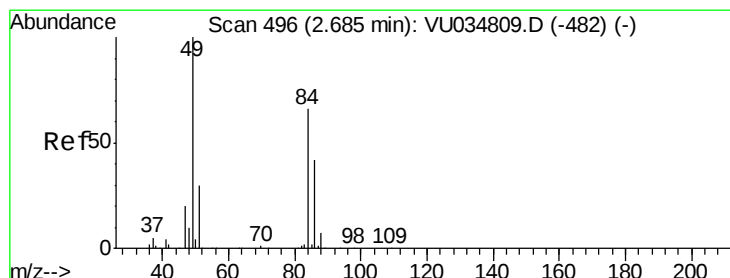
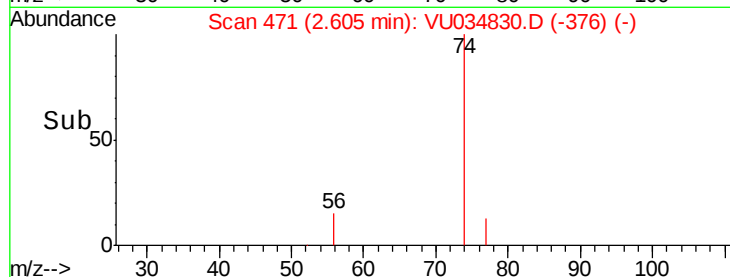
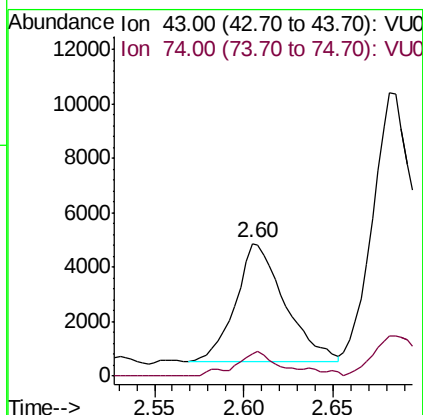
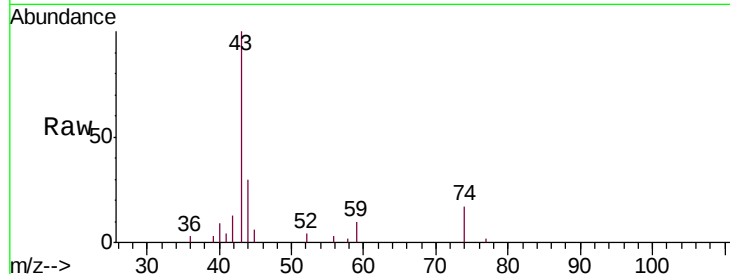




#15
Methyl Acetate
Concen: 1.686 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034830.D
Acq: 26 Sep 2019 02:12

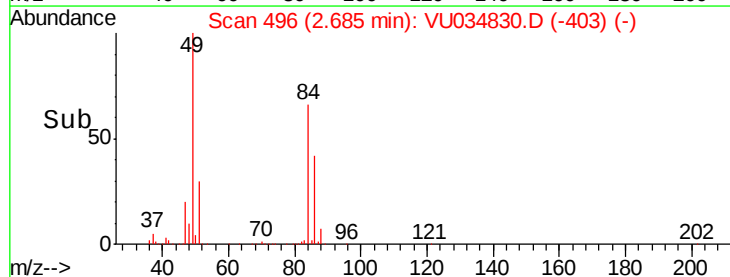
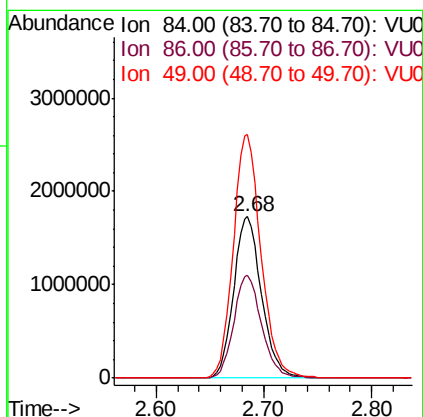
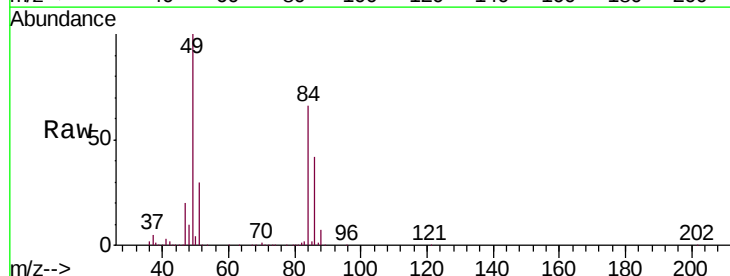
Instrument :
MSVOA_U
ClientSampleId :
BFDL4

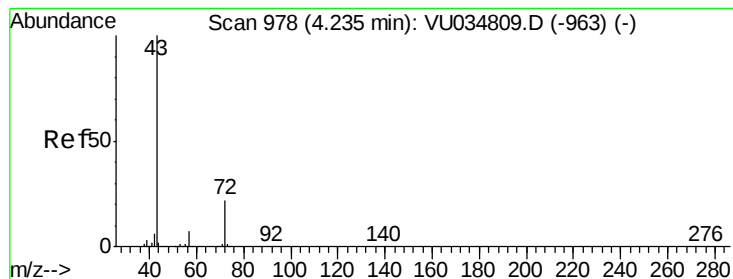
Tgt Ion: 43 Resp: 8334
Ion Ratio Lower Upper
43 100
74 15.2 14.4 21.6



#16
Methylene chloride
Concen: 926.202 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034830.D
Acq: 26 Sep 2019 02:12

Tgt Ion: 84 Resp: 3112469
Ion Ratio Lower Upper
84 100
86 63.8 43.0 80.0
49 150.9 109.7 203.7





#22

2-Butanone

Concen: 13.273 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU034830.D

Acq: 26 Sep 2019 02:12

Instrument :

MSVOA_U

ClientSampleId :

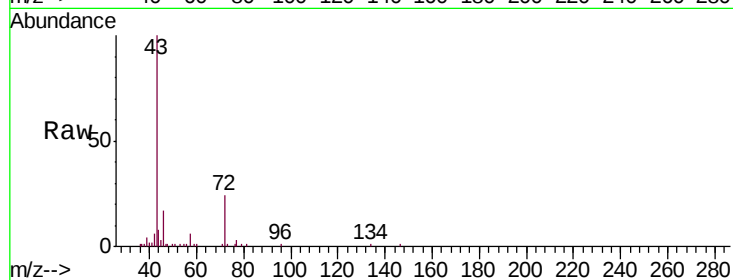
BFDL4

Tgt Ion: 43 Resp: 58438

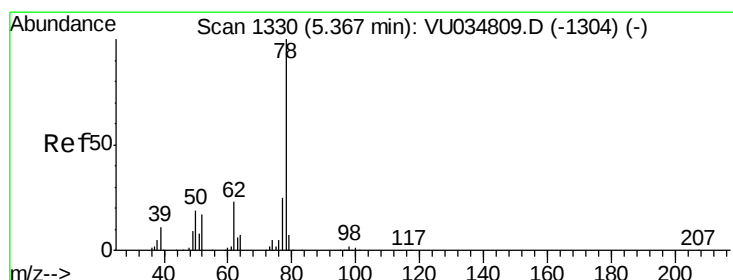
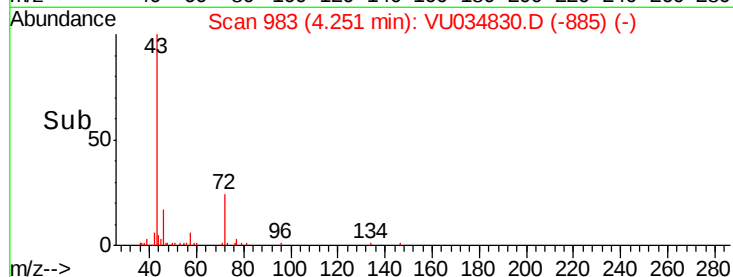
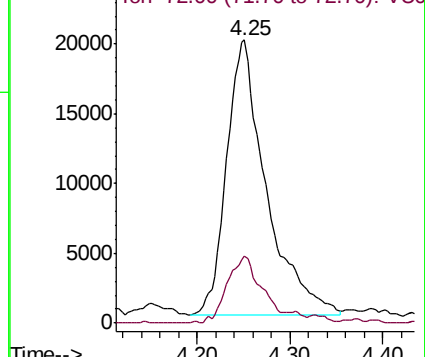
Ion Ratio Lower Upper

43 100

72 20.7 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU034830.D (-885) (-)



#33

Benzene

Concen: 4.229 ug/L

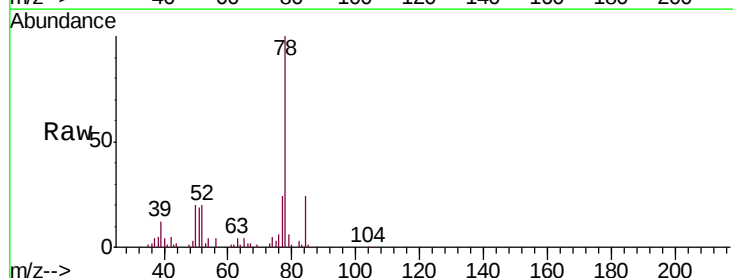
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

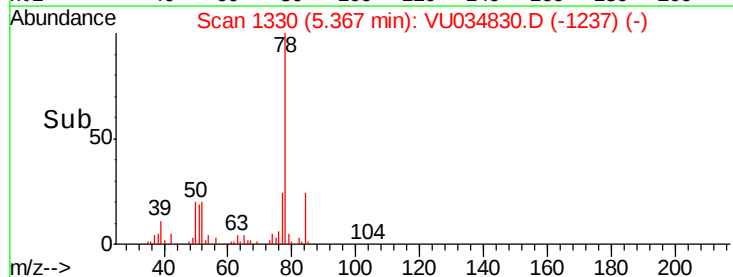
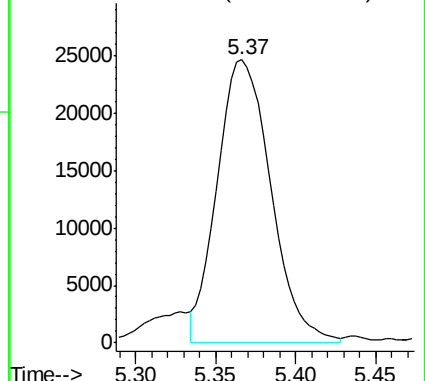
Lab File: VU034830.D

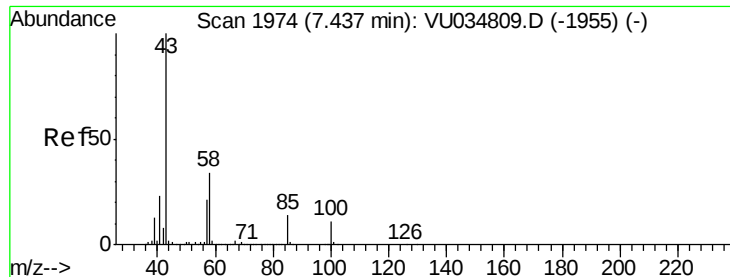
Acq: 26 Sep 2019 02:12

Tgt Ion: 78 Resp: 56865



Abundance Ion 78.00 (77.70 to 78.70): VU034830.D (-1237) (-)

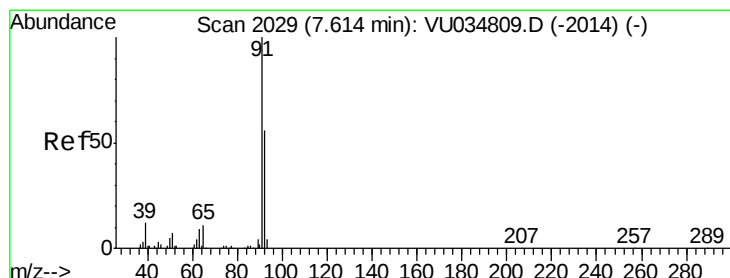
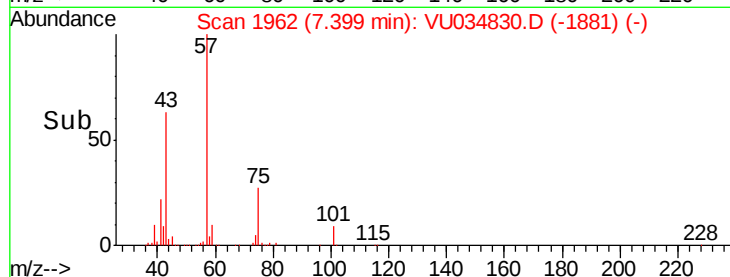
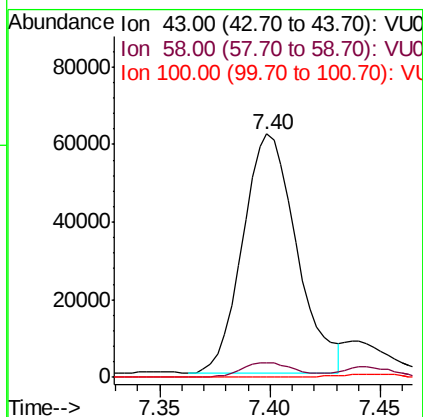
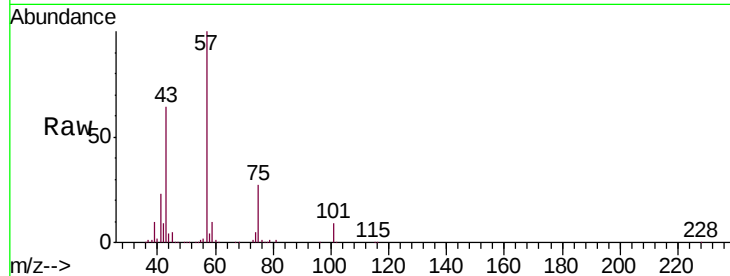




#40
 4-Methyl-2-pentanone
 Concen: 13.720 ug/L
 RT: 7.40 min Scan# 1962
 Delta R.T. -0.04 min
 Lab File: VU034830.D
 Acq: 26 Sep 2019 02:12

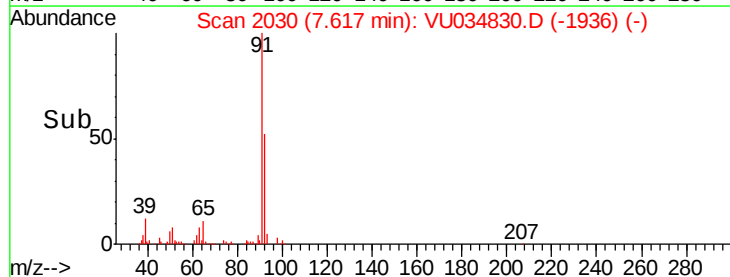
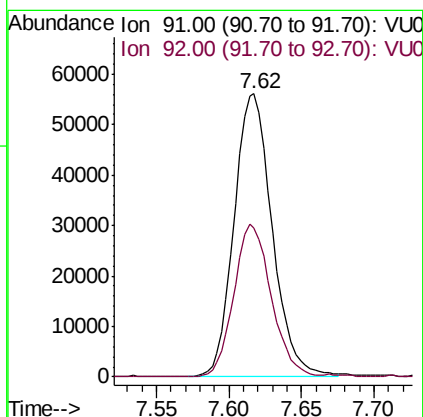
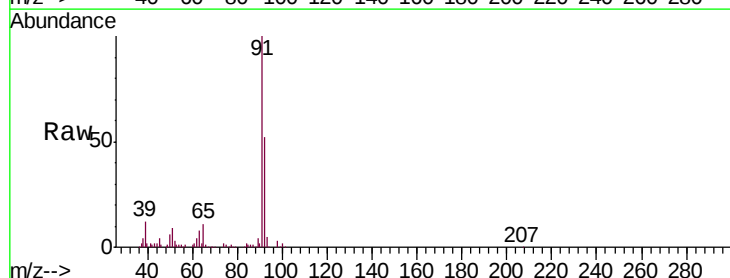
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL4

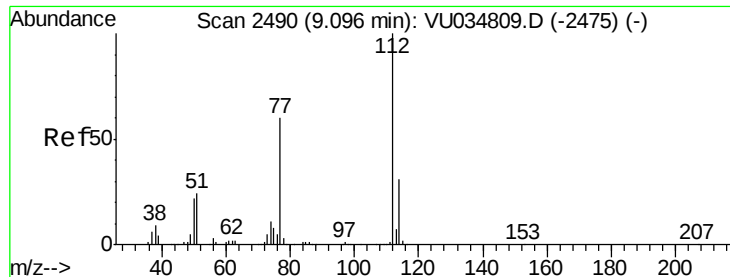
Tgt Ion: 43 Resp: 104883
 Ion Ratio Lower Upper
 43 100
 58 6.0 25.2 37.8#
 100 0.1 7.7 11.5#



#42
 Toluene
 Concen: 7.077 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034830.D
 Acq: 26 Sep 2019 02:12

Tgt Ion: 91 Resp: 102852
 Ion Ratio Lower Upper
 91 100
 92 52.4 38.2 71.0





#51

Chlorobenzene

Concen: 2.049 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034830.D

Acq: 26 Sep 2019 02:12

Instrument :

MSVOA_U

ClientSampleId :

BFDL4

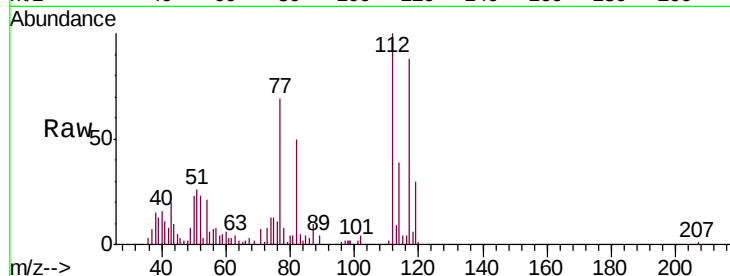
Tgt Ion: 112 Resp: 18105

Ion Ratio Lower Upper

112 100

114 39.1 22.8 42.4

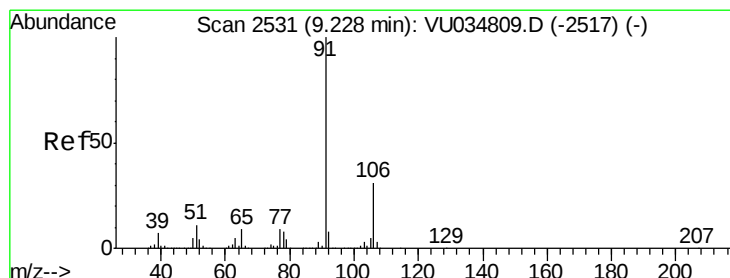
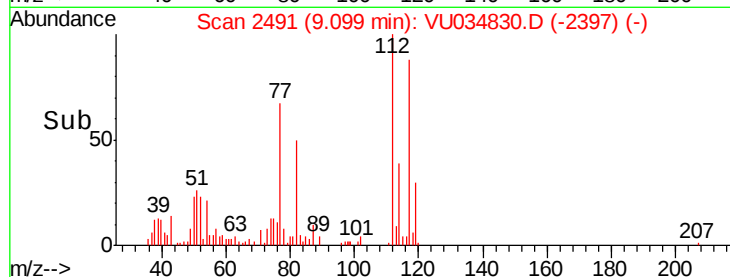
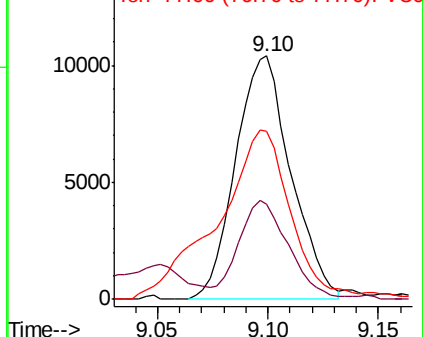
77 69.1 51.5 77.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#52

Ethylbenzene

Concen: 3.146 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034830.D

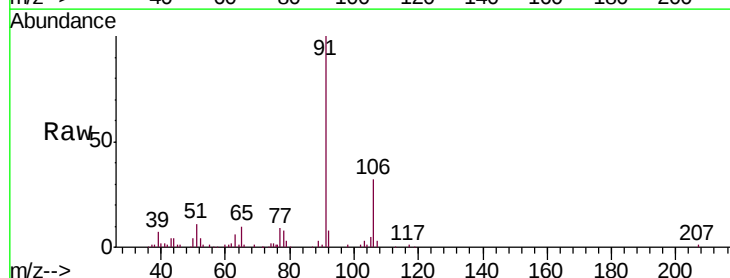
Acq: 26 Sep 2019 02:12

Tgt Ion: 91 Resp: 51483

Ion Ratio Lower Upper

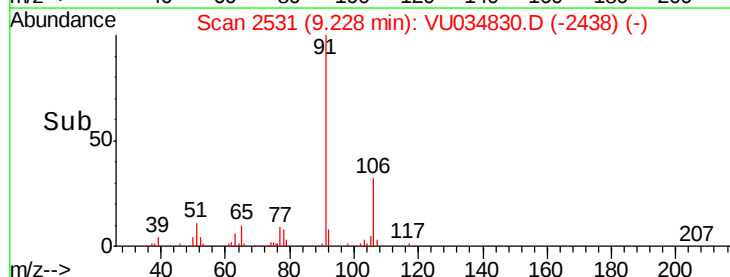
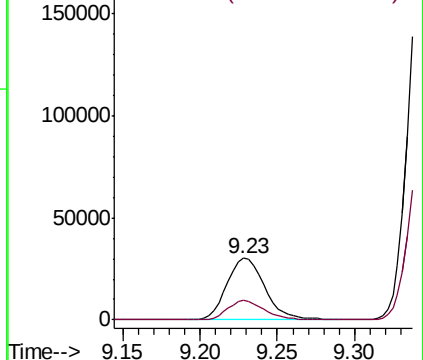
91 100

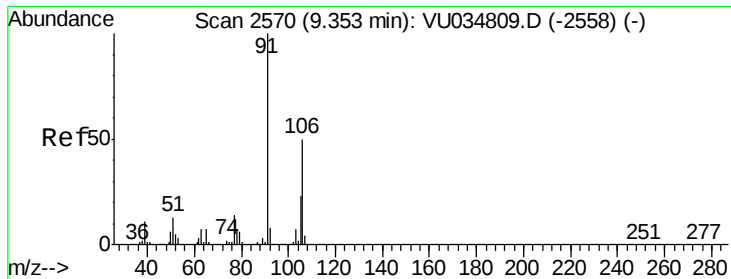
106 31.7 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 39.468 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034830.D

Acq: 26 Sep 2019 02:12

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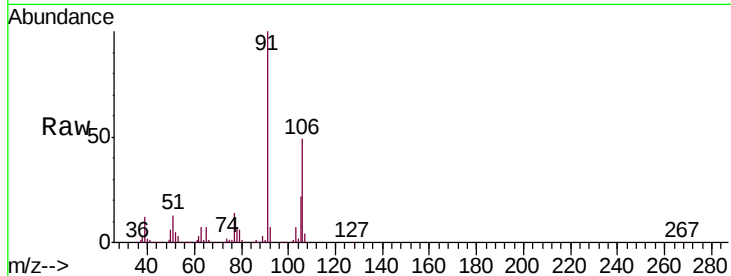
BFDL4

Tgt Ion:106 Resp: 228775

Ion Ratio Lower Upper

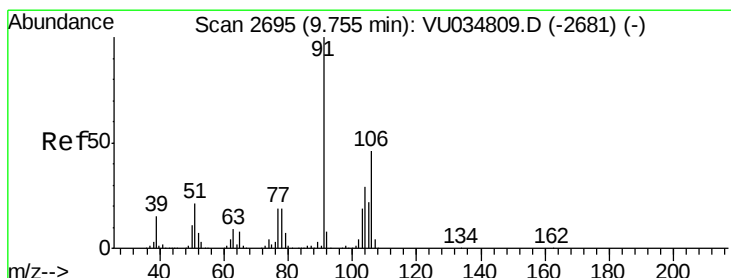
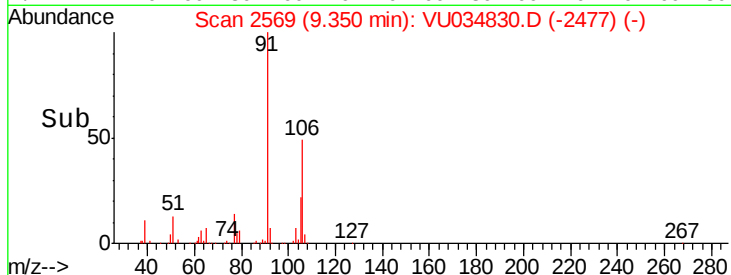
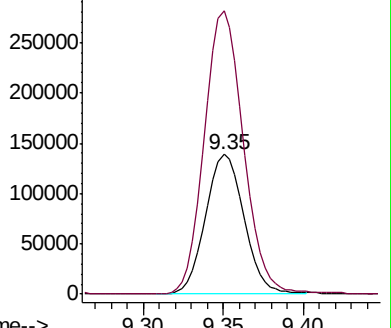
106 100

91 202.5 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 15.983 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034830.D

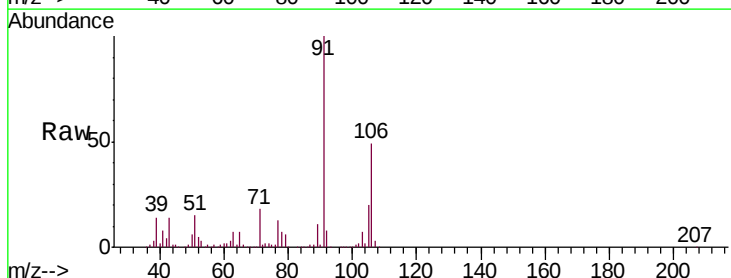
Acq: 26 Sep 2019 02:12

Tgt Ion:106 Resp: 91635

Ion Ratio Lower Upper

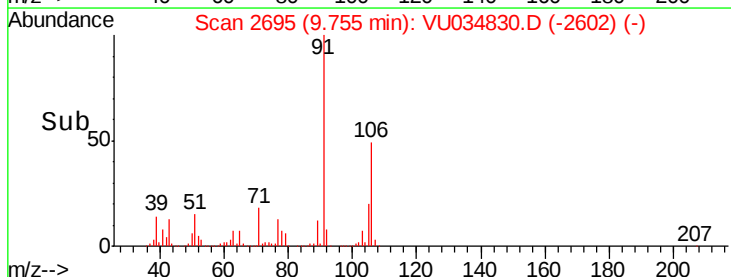
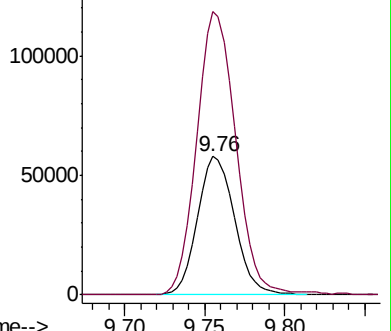
106 100

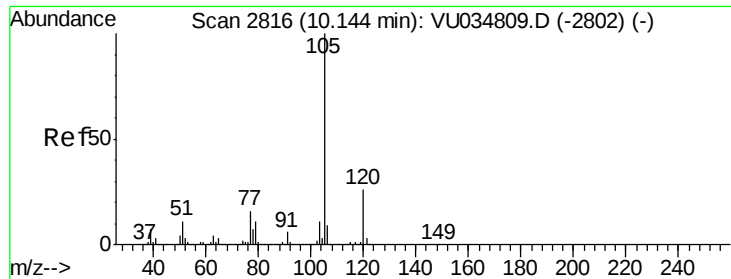
91 204.6 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 2.309 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034830.D

Acq: 26 Sep 2019 02:12

Instrument :

MSVOA_U

ClientSampleId :

BFDL4

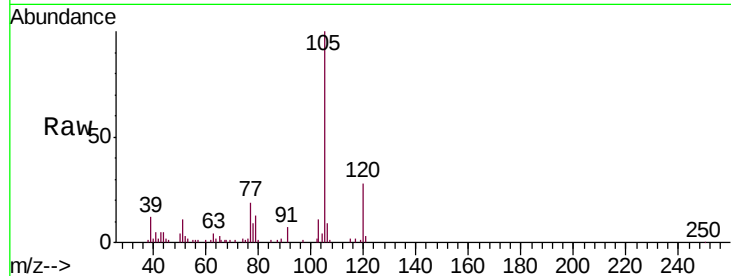
Tgt Ion:105 Resp: 35692

Ion Ratio Lower Upper

105 100

120 26.4 20.4 30.6

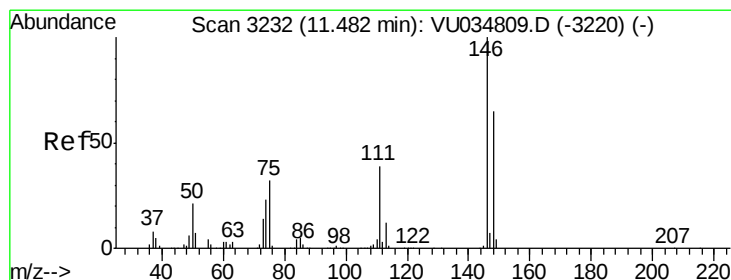
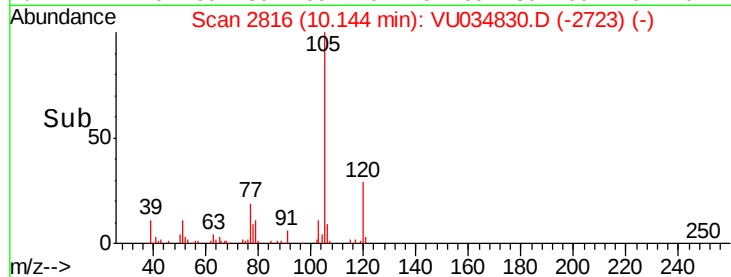
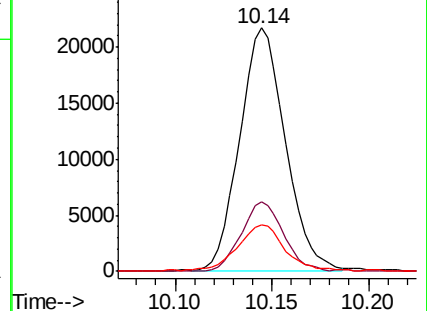
77 19.9 14.2 21.4



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): V



#63

1,4-Dichlorobenzene

Concen: 2.516 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034830.D

Acq: 26 Sep 2019 02:12

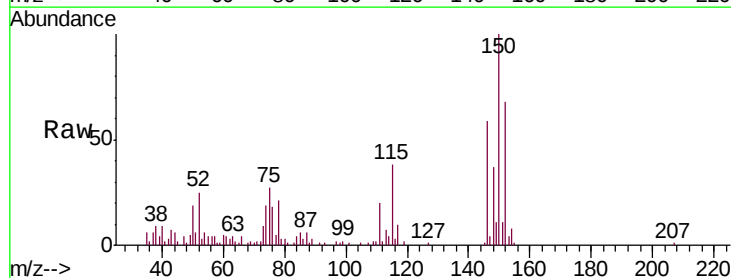
Tgt Ion:146 Resp: 16120

Ion Ratio Lower Upper

146 100

111 33.3 29.5 54.9

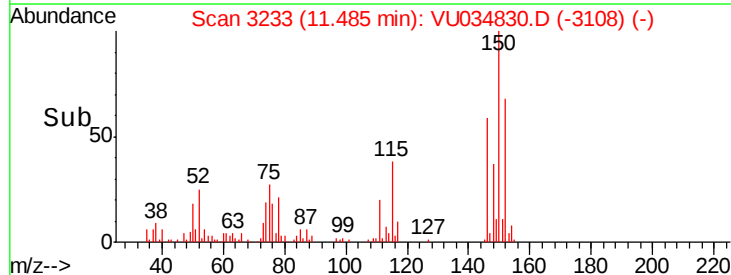
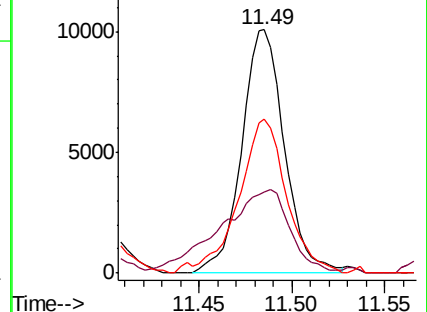
148 63.3 44.4 82.4

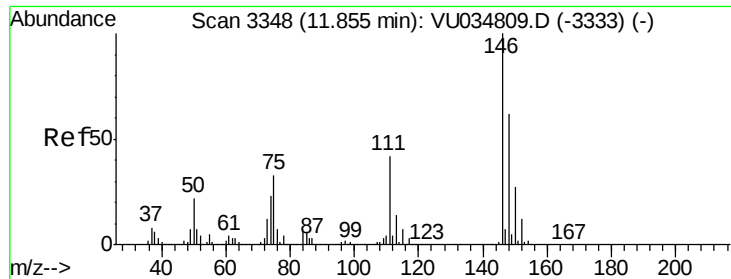


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 8.449 ug/L

RT: 11.86 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034830.D

Acq: 26 Sep 2019 02:12

Instrument :

MSVOA_U

ClientSampleId :

BFDL4

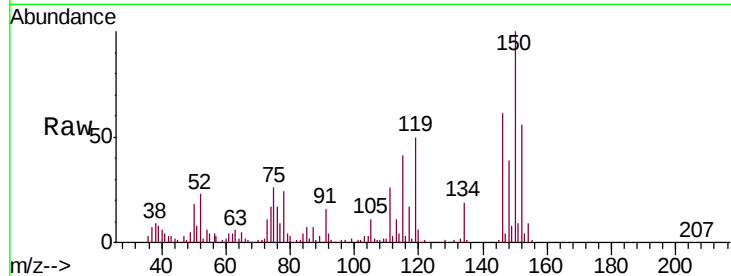
Tgt Ion:146 Resp: 53684

Ion Ratio Lower Upper

146 100

111 43.0 35.2 52.8

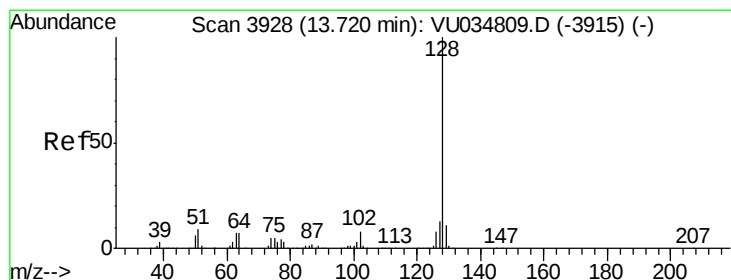
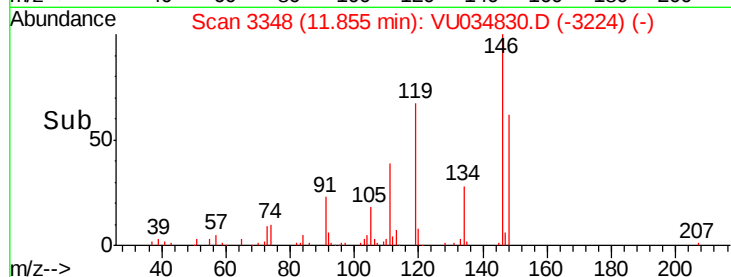
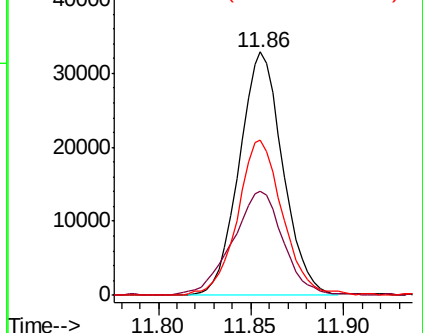
148 63.9 53.0 79.6



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



#69

Naphthalene

Concen: 7.384 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034830.D

Acq: 26 Sep 2019 02:12

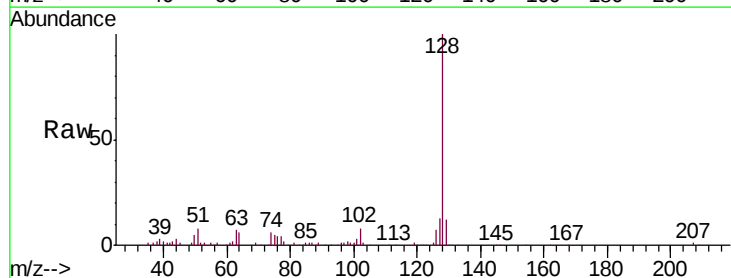
Tgt Ion:128 Resp: 84700

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

129 10.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

