

Data File : VU034902.D
Acq On : 01 Oct 2019 20:54
Operator : JC/SP
Sample : K5028-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDL0

Quant Time: Oct 02 01:56:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	352555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	335493	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	145374	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	102976	41.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.34%
7) Chloroethane-d5	1.67	69	90298	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.26	63	158043	35.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.76%
21) 2-Butanone-d5	4.15	46	269365	111.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.72%
24) Chloroform-d	4.62	84	222092	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	5.29	65	166987	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.32	84	441435	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	6.31	67	155422	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.00%
41) Toluene-d8	7.54	98	413700	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%
43) trans-1,3-Dichloropropene-	7.83	79	69431	49.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.84%
47) 2-Hexanone-d5	8.29	63	175864	117.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.01%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	222776	49.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.34%
64) 1,2-Dichlorobenzene-d4	11.84	152	143775	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

					Qvalue	
12) 1,1-Dichloroethene	2.26	96	1216	0.920	ug/L #	1
13) Acetone	2.31	43	105563	55.086	ug/L	99
14) Carbon disulfide	2.46	76	1923	0.907	ug/L #	80
15) Methyl Acetate	2.61	43	4629	1.513	ug/L #	87
16) Methylene chloride	2.68	84	65379	33.851	ug/L	99
39) cis-1,3-Dichloropropene	7.21	75	4971	1.458	ug/L #	75
42) Toluene	7.62	91	8676	1.127	ug/L	92
44) trans-1,3-Dichloropropene	7.83	75	3985	1.281	ug/L	86
48) 2-Hexanone	8.40	43	56978	15.302	ug/L #	1
51) Chlorobenzene	9.10	112	4683	0.898	ug/L	92
52) Ethylbenzene	9.23	91	13715	1.518	ug/L	94
53) m,p-Xylene	9.36	106	13195	4.179	ug/L	89
54) o-xylene	9.76	106	15911	4.778	ug/L	97
56) Isopropylbenzene	10.14	105	7880	0.847	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	10222	2.423	ug/L #	87
69) Naphthalene	13.73	128	31747	4.516	ug/L #	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

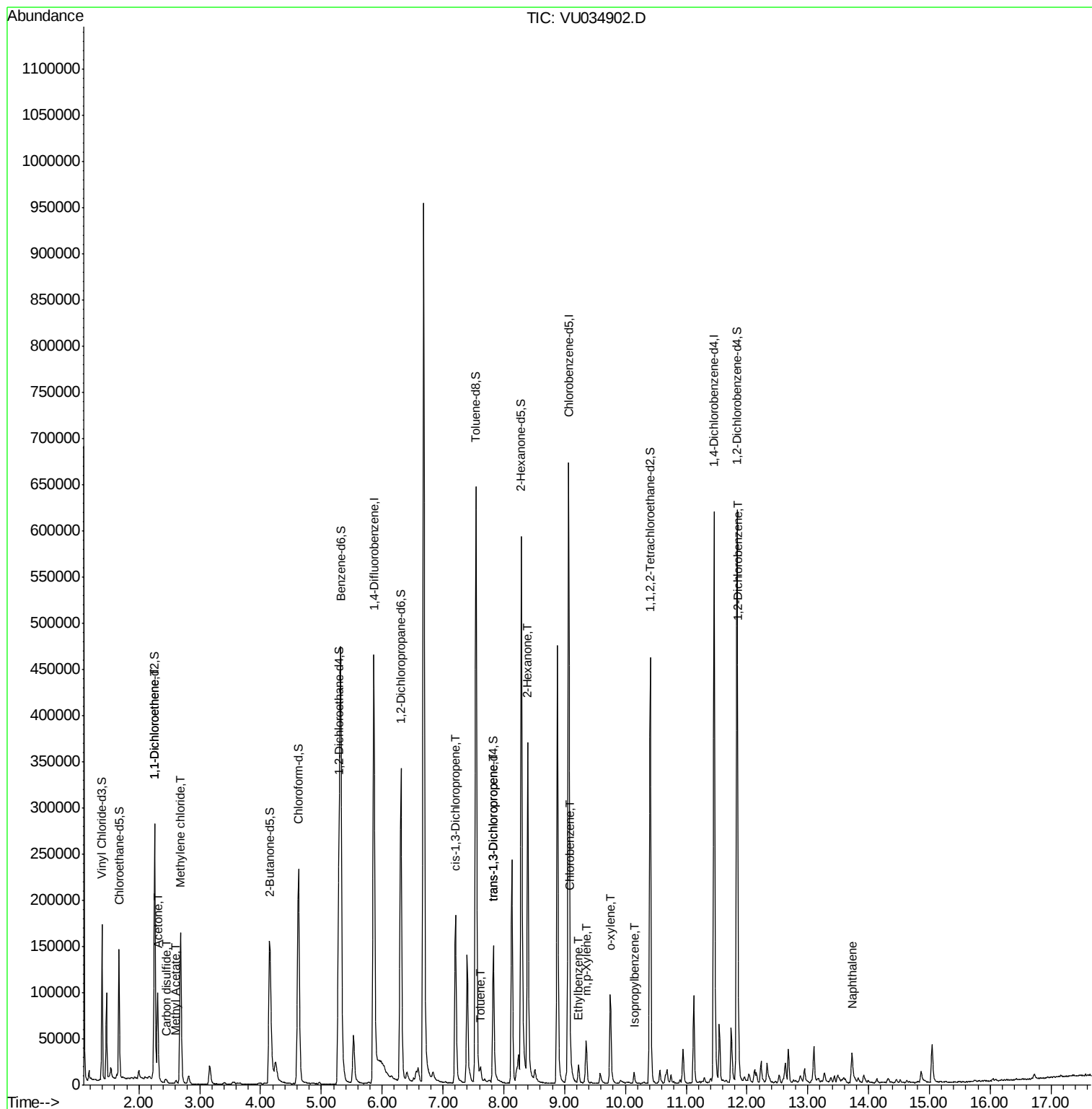
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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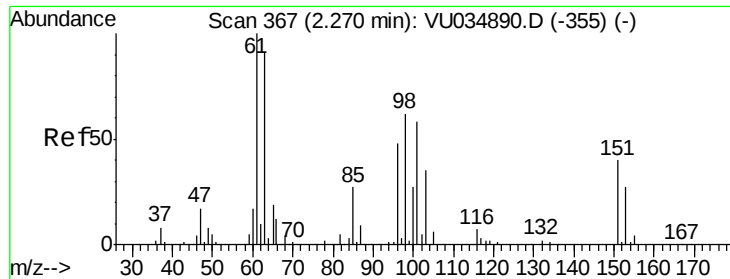
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.920 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

BFDL0

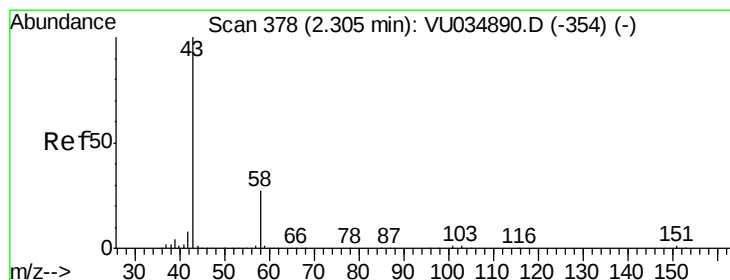
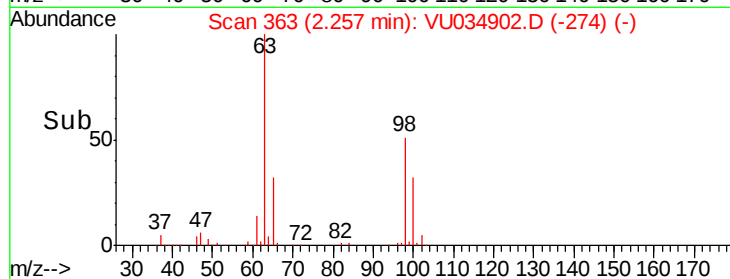
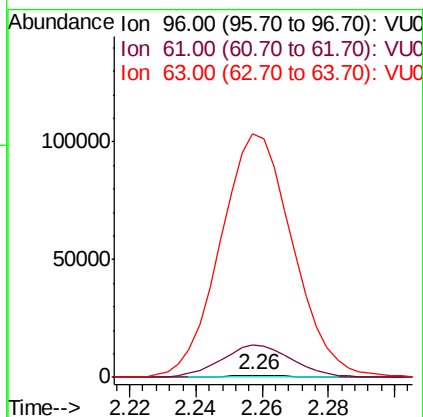
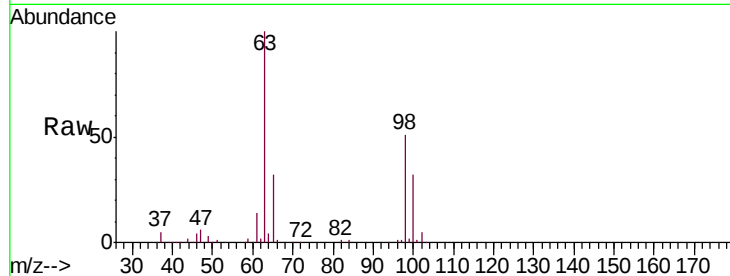
Tgt Ion: 96 Resp: 1216

Ion Ratio Lower Upper

96 100

61 1502.7 147.0 273.0#

63 11097.9 140.5 260.9#



#13

Acetone

Concen: 55.086 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034902.D

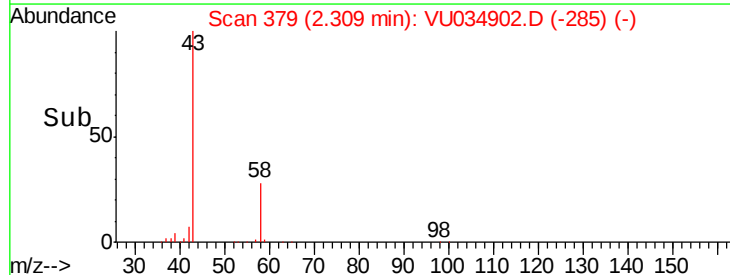
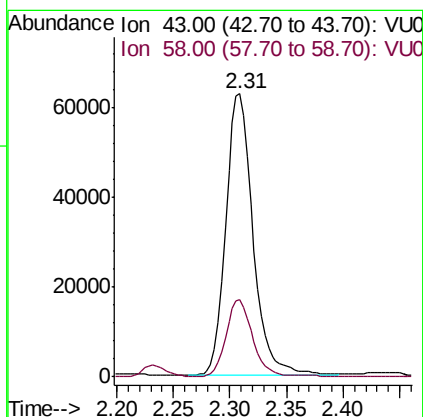
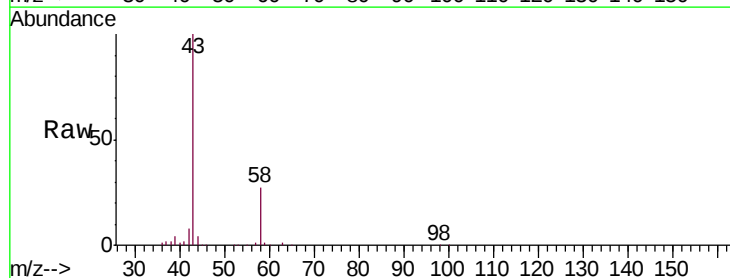
Acq: 01 Oct 2019 20:54

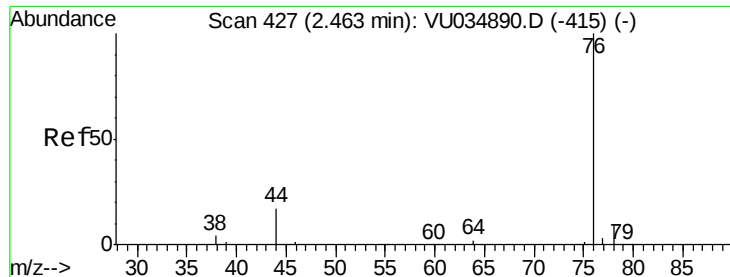
Tgt Ion: 43 Resp: 105563

Ion Ratio Lower Upper

43 100

58 27.0 0.0 52.6





#14

Carbon disulfide

Concen: 0.907 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

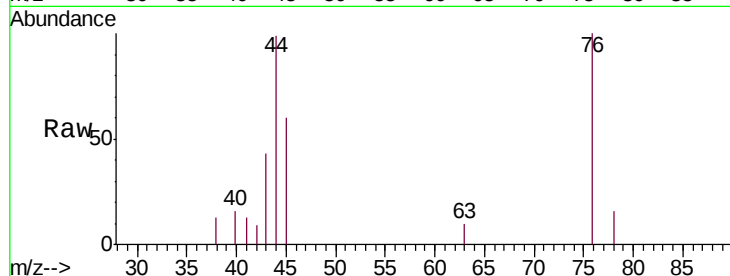
BFDL0

Tgt Ion: 76 Resp: 1923

Ion Ratio Lower Upper

76 100

78 16.2 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU034890.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU034890.D (-415) (-)

2.46

1500

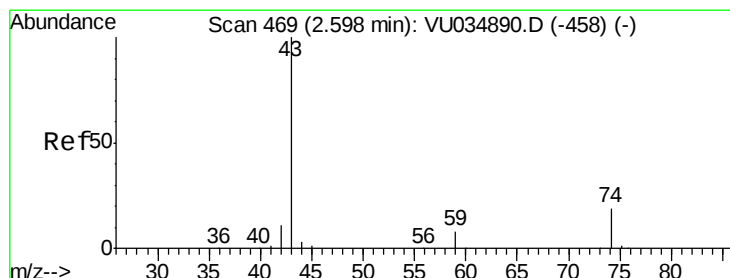
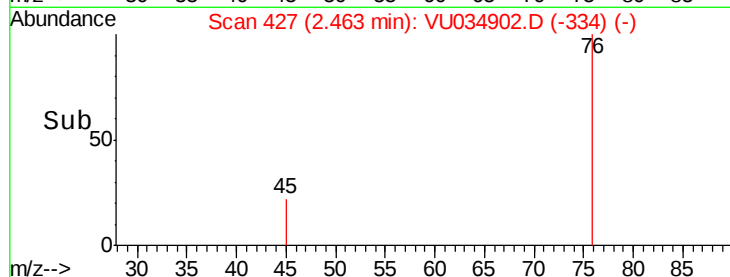
1000

500

0

2.42 2.44 2.46 2.48 2.50

Time-->



#15

Methyl Acetate

Concen: 1.513 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034902.D

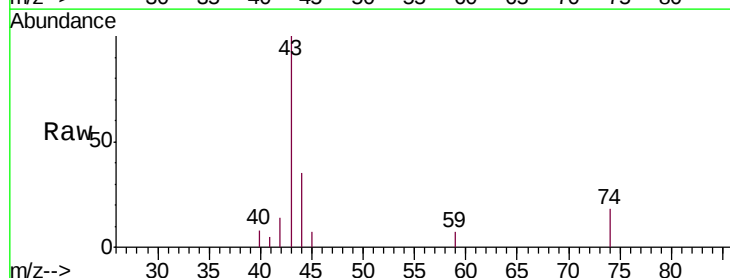
Acq: 01 Oct 2019 20:54

Tgt Ion: 43 Resp: 4629

Ion Ratio Lower Upper

43 100

74 13.3 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU034890.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034890.D (-458) (-)

2.61

3000

2500

2000

1500

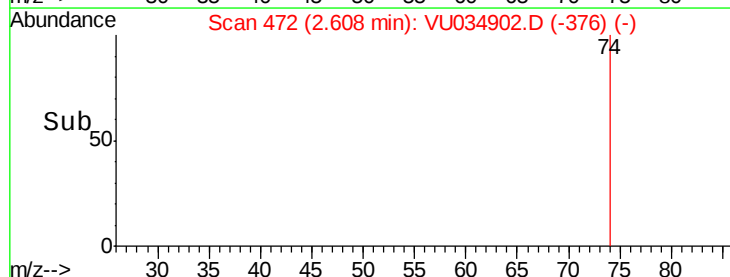
1000

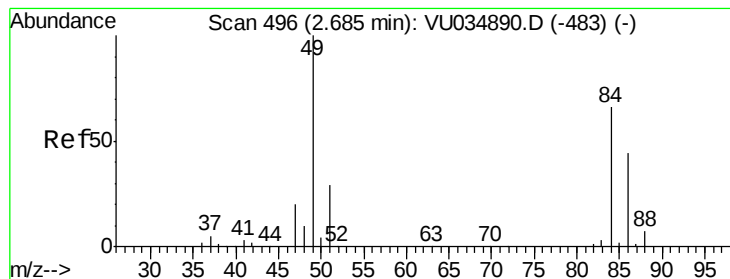
500

0

2.55 2.60 2.65

Time-->





#16

Methylene chloride

Concen: 33.851 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

BFDL0

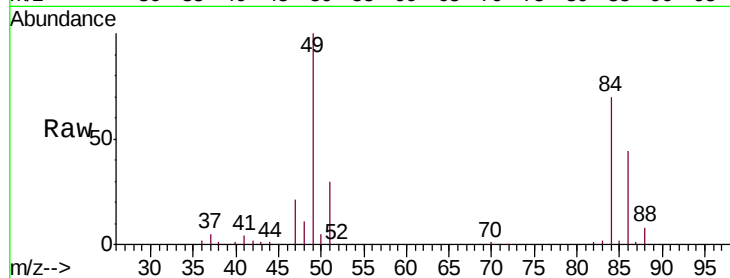
Tgt Ion: 84 Resp: 65379

Ion Ratio Lower Upper

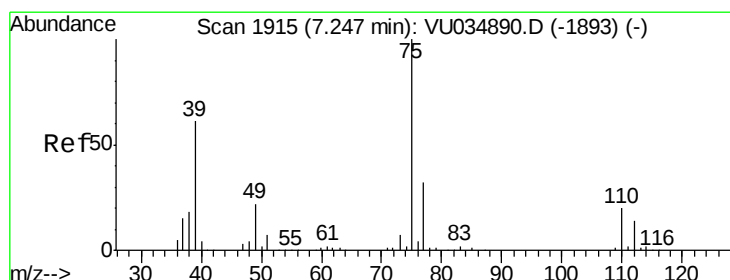
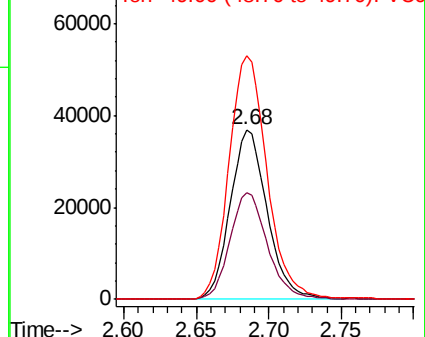
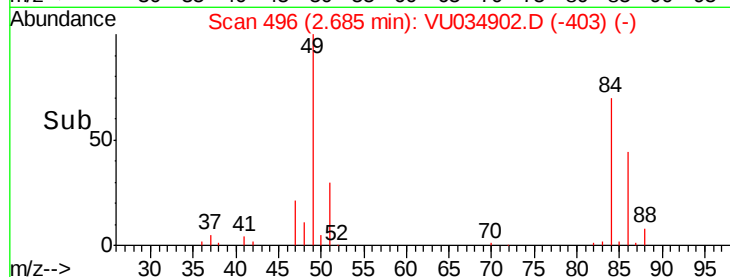
84 100

86 62.8 44.7 82.9

49 143.5 100.7 186.9



Abundance Ion 84.00 (83.70 to 84.70): VU034902.D (-403) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.458 ug/L

RT: 7.21 min Scan# 1902

Delta R.T. -0.04 min

Lab File: VU034902.D

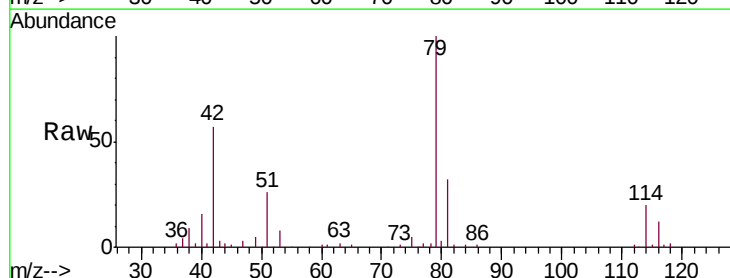
Acq: 01 Oct 2019 20:54

Tgt Ion: 75 Resp: 4971

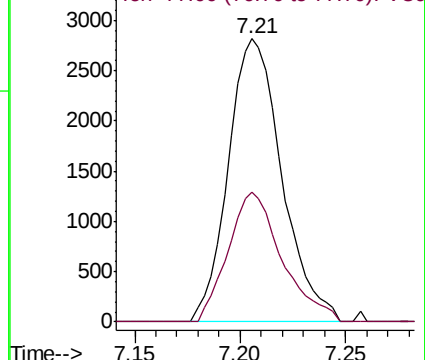
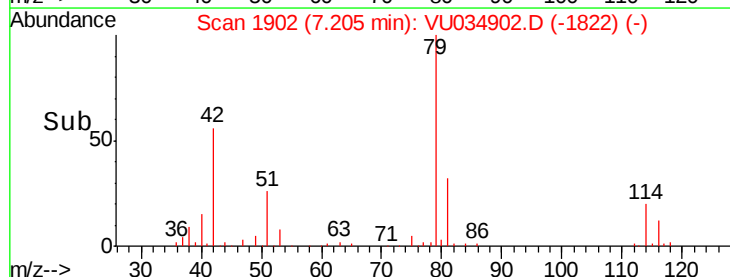
Ion Ratio Lower Upper

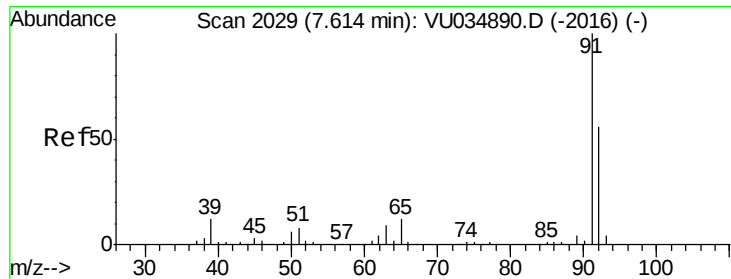
75 100

77 45.8 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU034902.D (-1822) (-)





#42

Toluene

Concen: 1.127 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleID :

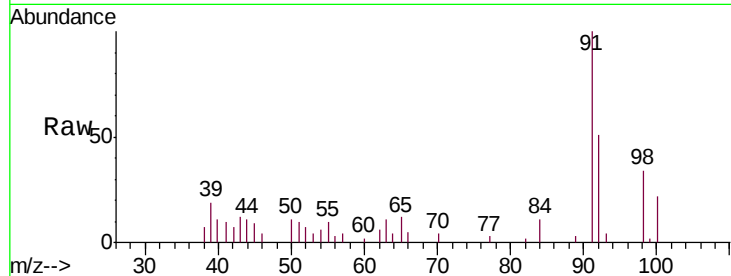
BFDL0

Tgt Ion: 91 Resp: 8676

Ion Ratio Lower Upper

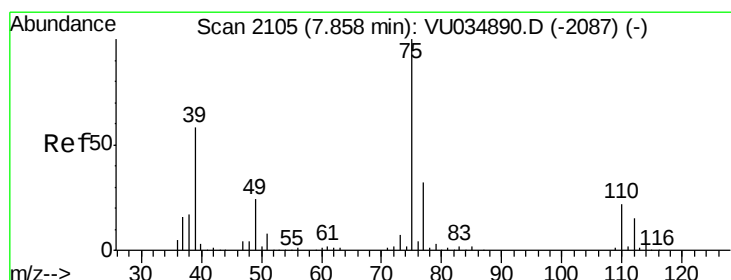
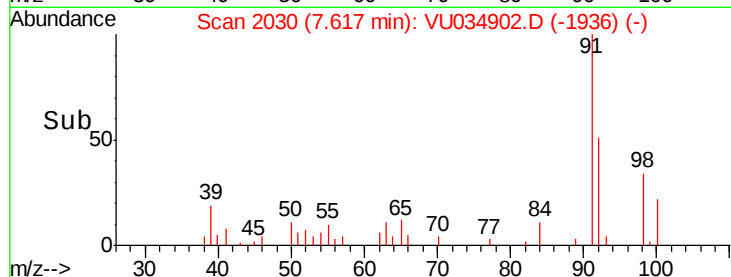
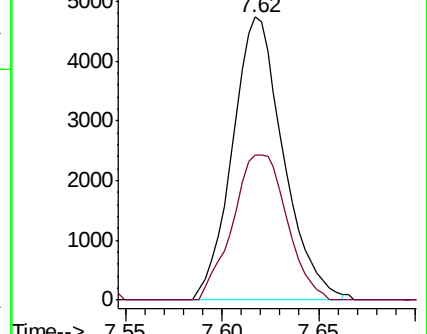
91 100

92 51.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU034890.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU034890.D (-2016) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.281 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU034902.D

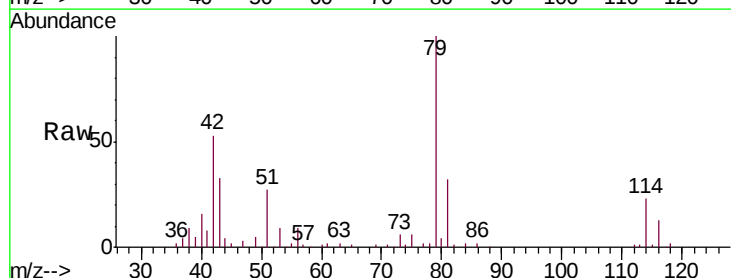
Acq: 01 Oct 2019 20:54

Tgt Ion: 75 Resp: 3985

Ion Ratio Lower Upper

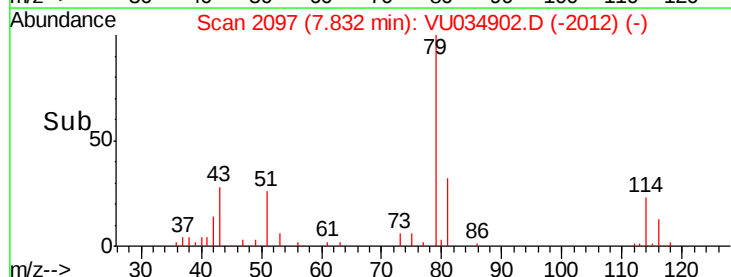
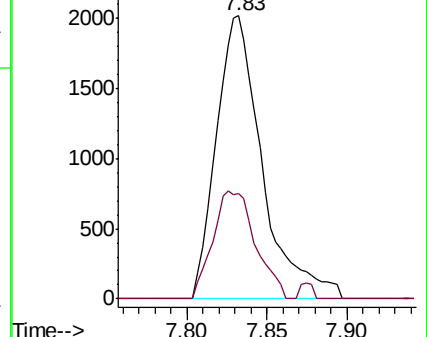
75 100

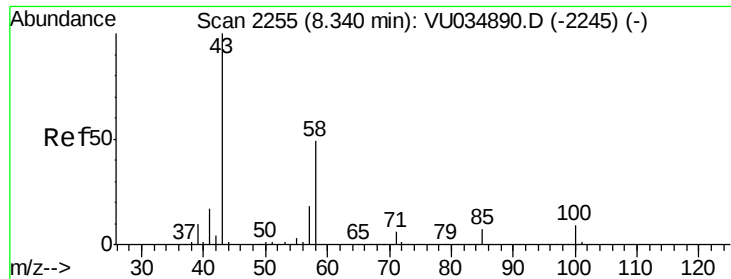
77 37.3 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034890.D (-2087) (-)

Ion 77.00 (76.70 to 77.70): VU034890.D (-2087) (-)

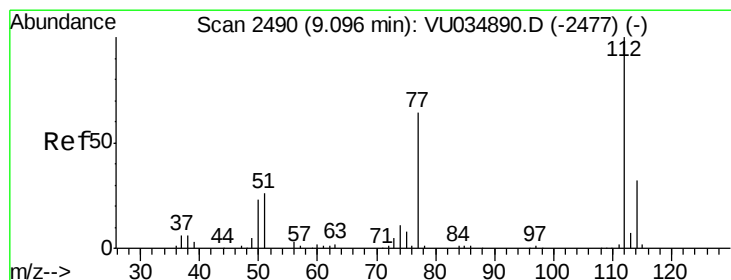
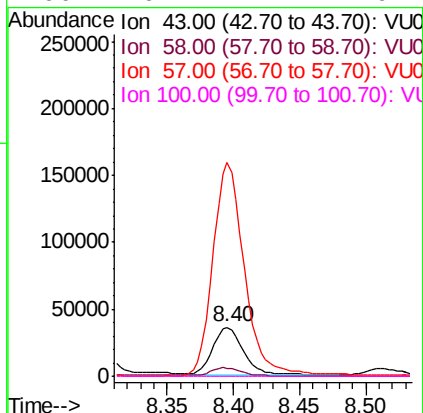
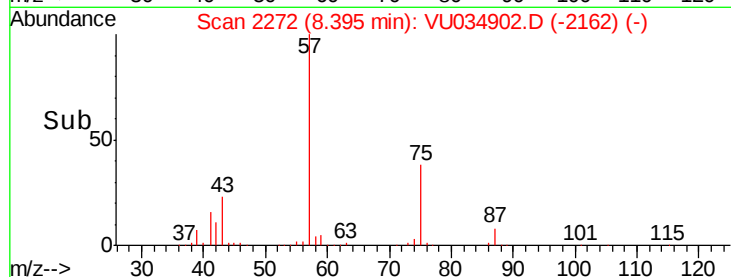
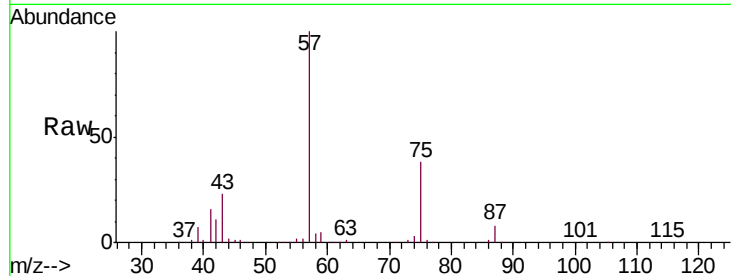




#48
2-Hexanone
Concen: 15.302 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034902.D
Acq: 01 Oct 2019 20:54

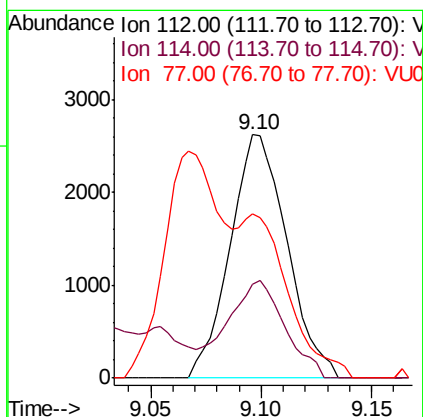
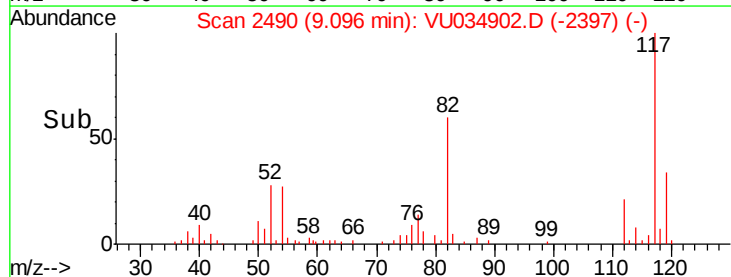
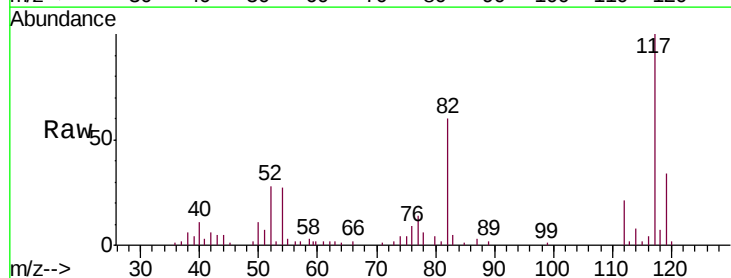
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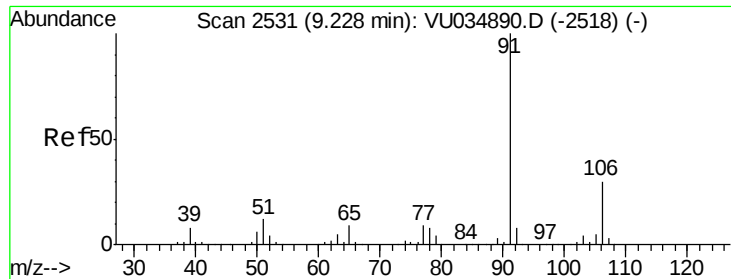
Tgt Ion: 43 Resp: 56978
Ion Ratio Lower Upper
43 100
58 17.9 37.8 56.8#
57 460.0 13.4 20.0#
100 0.2 7.1 10.7#



#51
Chlorobenzene
Concen: 0.898 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034902.D
Acq: 01 Oct 2019 20:54

Tgt Ion: 112 Resp: 4683
Ion Ratio Lower Upper
112 100
114 38.4 21.7 40.3
77 67.2 50.1 75.1





#52

Ethylbenzene

Concen: 1.518 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

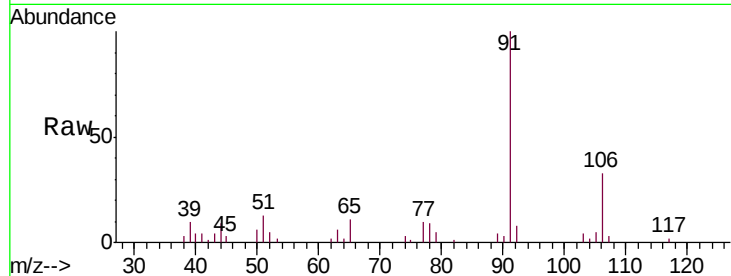
BFDL0

Tgt Ion: 91 Resp: 13715

Ion Ratio Lower Upper

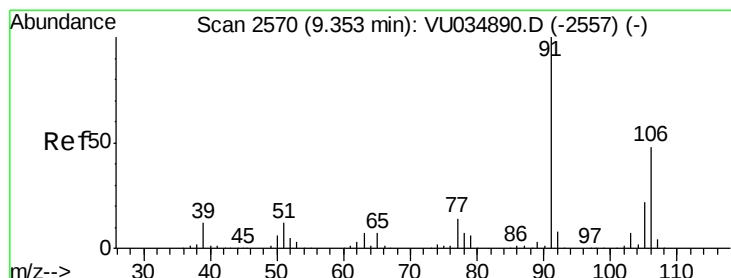
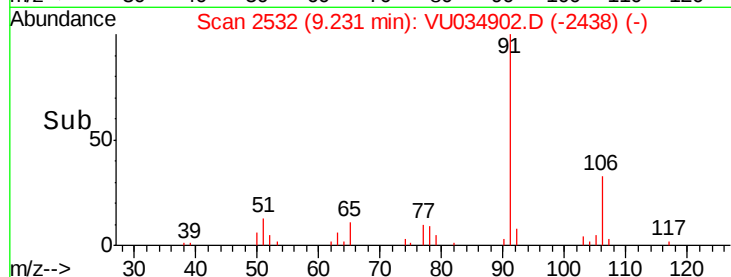
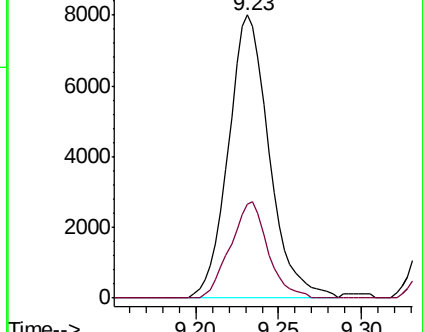
91 100

106 33.3 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU034890.D (-2518) (-)

Ion 106.00 (105.70 to 106.70): VU034890.D (-2518) (-)



#53

m,p-Xylene

Concen: 4.179 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034902.D

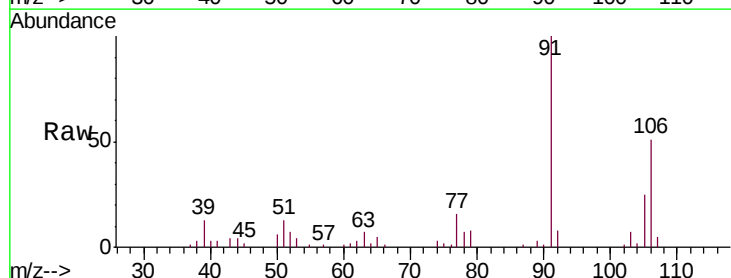
Acq: 01 Oct 2019 20:54

Tgt Ion: 106 Resp: 13195

Ion Ratio Lower Upper

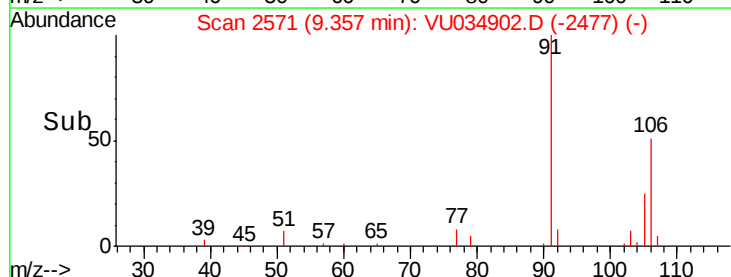
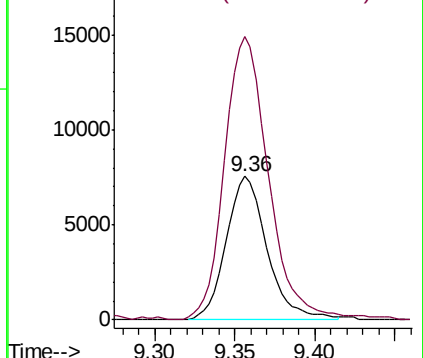
106 100

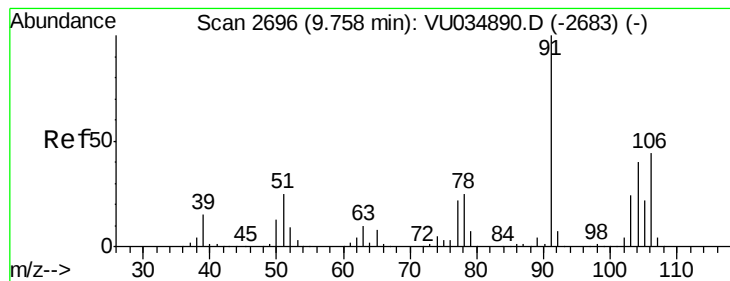
91 197.4 150.1 278.9



Abundance Ion 106.00 (105.70 to 106.70): VU034890.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034890.D (-2557) (-)





#54

o-xylene

Concen: 4.778 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

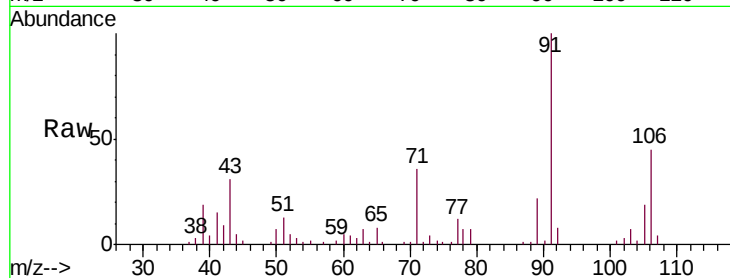
BFDL0

Tgt Ion:106 Resp: 15911

Ion Ratio Lower Upper

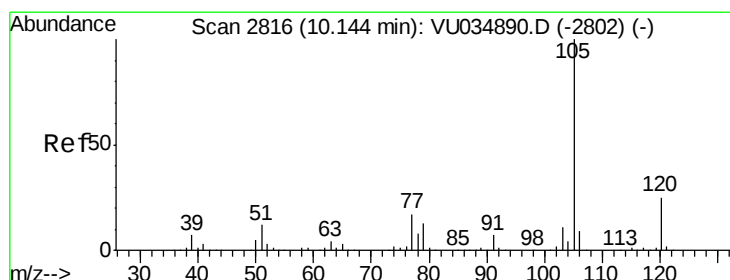
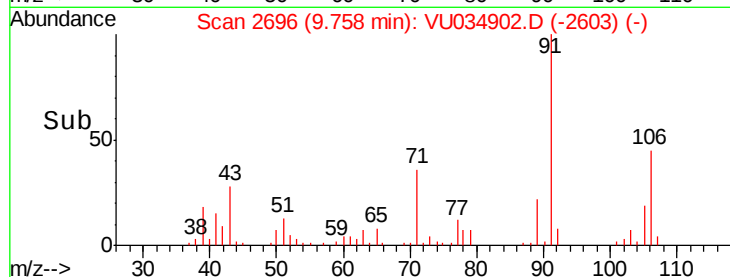
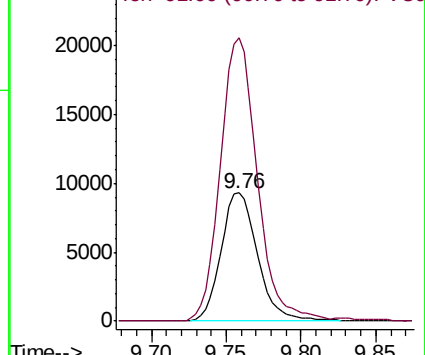
106 100

91 220.4 157.8 293.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 0.847 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

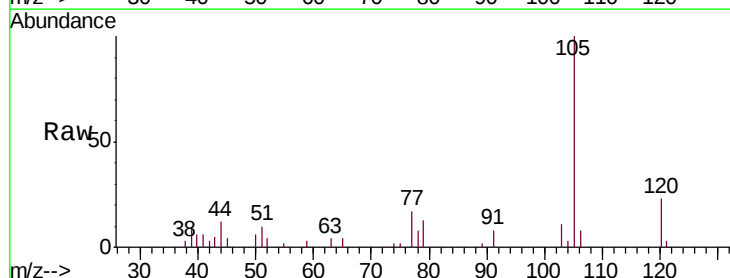
Tgt Ion:105 Resp: 7880

Ion Ratio Lower Upper

105 100

120 22.7 20.2 30.4

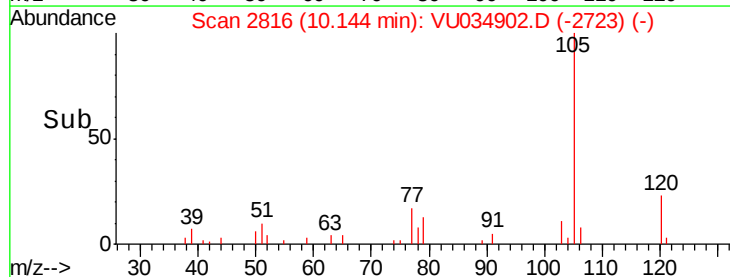
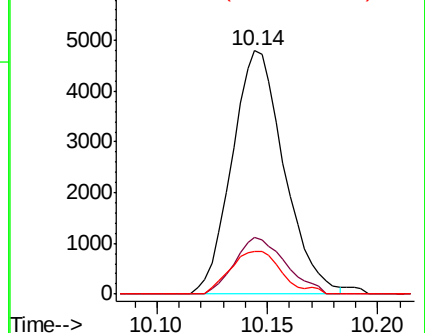
77 16.9 13.7 20.5

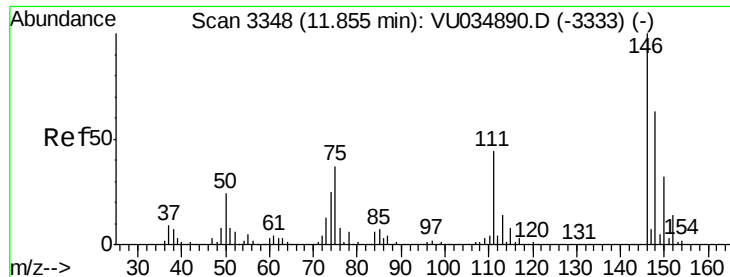


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#65

1,2-Dichlorobenzene

Concen: 2.423 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

BFDL0

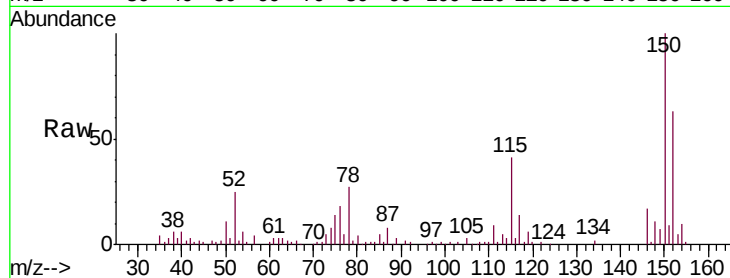
Tgt Ion:146 Resp: 10222

Ion Ratio Lower Upper

146 100

111 55.5 34.9 52.3#

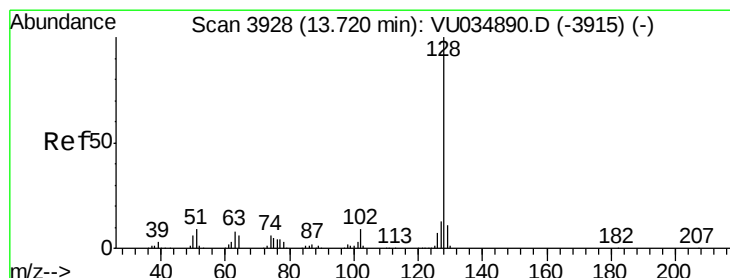
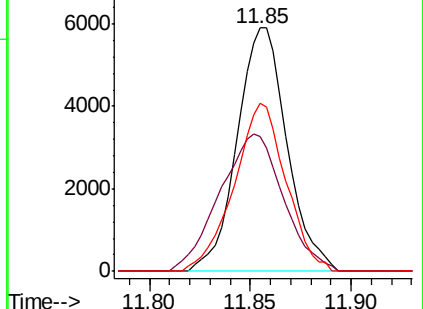
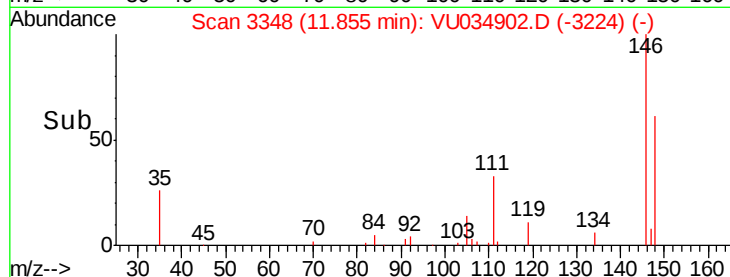
148 69.1 50.0 75.0



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: 4.516 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034902.D

Acq: 01 Oct 2019 20:54

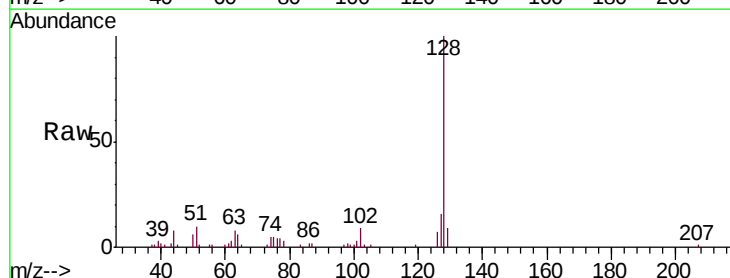
Tgt Ion:128 Resp: 31747

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

129 4.8 8.5 12.7#



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

