

Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDL1

Quant Time: Oct 02 01:55:20 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	359885	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	347701	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	153150	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103762	41.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.28%
7) Chloroethane-d5	1.67	69	91952	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.78%
11) 1,1-Dichloroethene-d2	2.26	63	157717	35.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.14%
21) 2-Butanone-d5	4.15	46	282139	114.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.63%
24) Chloroform-d	4.62	84	226522	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.29	65	168074	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
32) Benzene-d6	5.32	84	445890	47.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.24%
36) 1,2-Dichloropropane-d6	6.31	67	156111	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.54	98	414067	46.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.98%
43) trans-1,3-Dichloropropene-	7.83	79	70369	48.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.64%
47) 2-Hexanone-d5	8.29	63	186926	120.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	225284	48.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.94%
64) 1,2-Dichlorobenzene-d4	11.84	152	152287	49.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.96%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.26	96	1177	0.872 ug/L #	1
13) Acetone	2.31	43	119615	61.147 ug/L	98
14) Carbon disulfide	2.47	76	2889	1.335 ug/L #	93
15) Methyl Acetate	2.61	43	4419	1.415 ug/L	92
16) Methylene chloride	2.69	84	31636	16.046 ug/L	95
22) 2-Butanone	4.25	43	37474	14.749 ug/L	97
33) Benzene	5.37	78	10386	1.400 ug/L	100
39) cis-1,3-Dichloropropene	7.21	75	4902	1.388 ug/L	93
42) Toluene	7.62	91	15249	1.911 ug/L	95
48) 2-Hexanone	8.40	43	65545	16.985 ug/L #	1
52) Ethylbenzene	9.23	91	13659	1.458 ug/L	96
53) m,p-Xylene	9.36	106	23352	7.136 ug/L	97
54) o-xylene	9.76	106	19914	5.770 ug/L	90
56) Isopropylbenzene	10.14	105	23799	2.468 ug/L	97
59) 1,2,3-Trichloropropane	11.46	75	23622	6.251 ug/L	91
65) 1,2-Dichlorobenzene	11.85	146	24716	5.562 ug/L	96
69) Naphthalene	13.72	128	111868	15.106 ug/L	100

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

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Response via : Initial Calibration

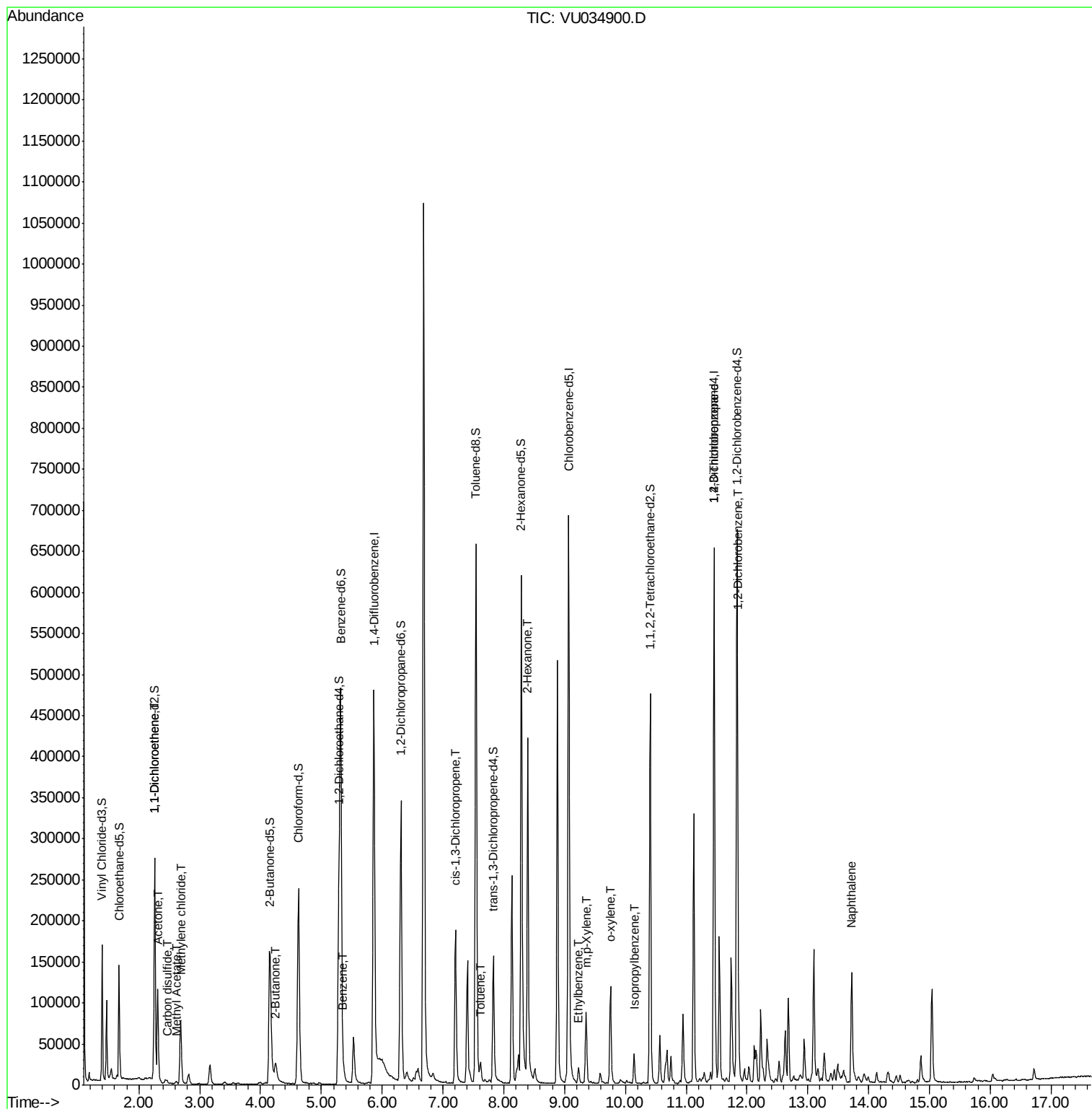
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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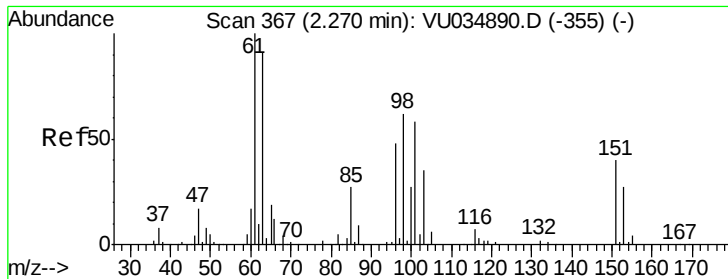
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#12

1,1-Dichloroethene

Concen: 0.872 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

BFDL1

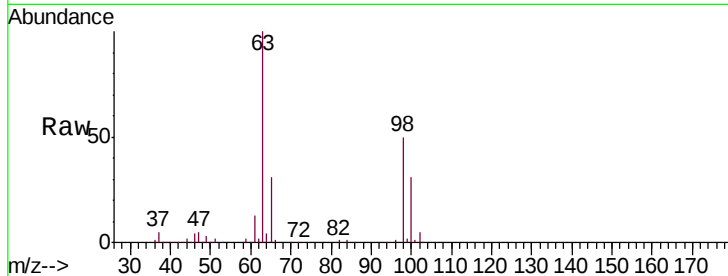
Tgt Ion: 96 Resp: 1177

Ion Ratio Lower Upper

96 100

61 1652.8 147.0 273.0#

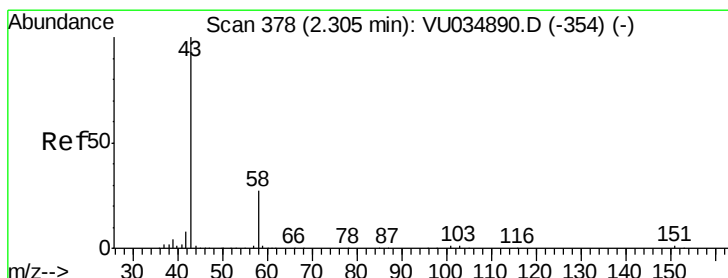
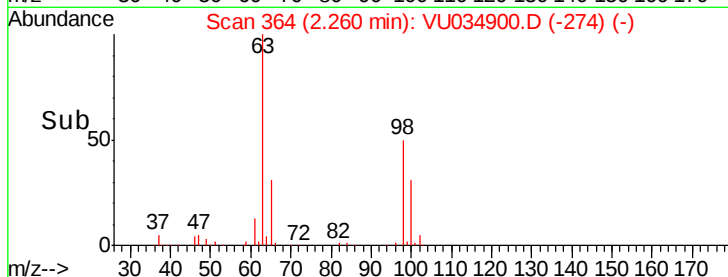
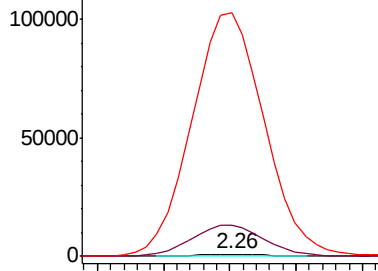
63 12840.9 140.5 260.9#



Abundance Ion 96.00 (95.70 to 96.70): VU034900.D (-364) (-)

Ion 61.00 (60.70 to 61.70): VU034900.D (-364) (-)

Ion 63.00 (62.70 to 63.70): VU034900.D (-364) (-)



#13

Acetone

Concen: 61.147 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034900.D

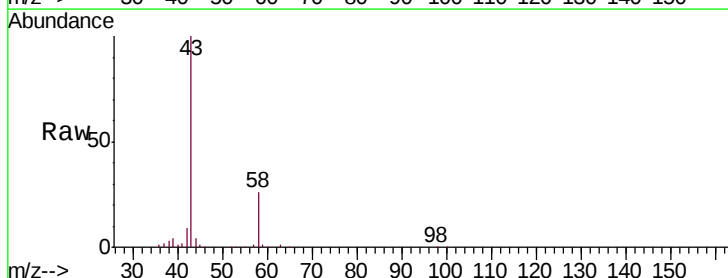
Acq: 01 Oct 2019 20:07

Tgt Ion: 43 Resp: 119615

Ion Ratio Lower Upper

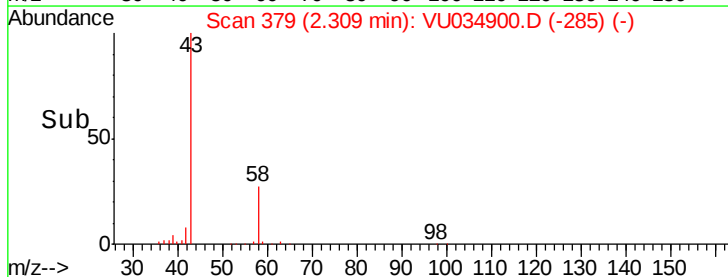
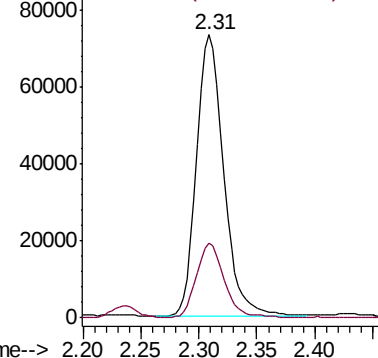
43 100

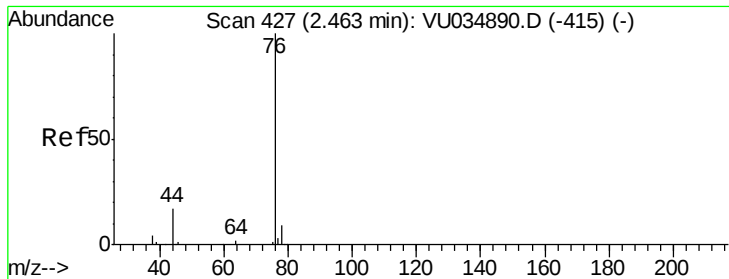
58 27.2 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU034900.D (-379) (-)

Ion 58.00 (57.70 to 58.70): VU034900.D (-379) (-)





#14

Carbon disulfide

Concen: 1.335 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

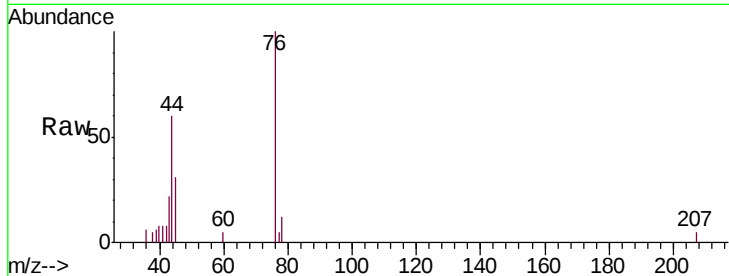
BFDL1

Tgt Ion: 76 Resp: 2889

Ion Ratio Lower Upper

76 100

78 11.7 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) (-)

2.47

2000

1500

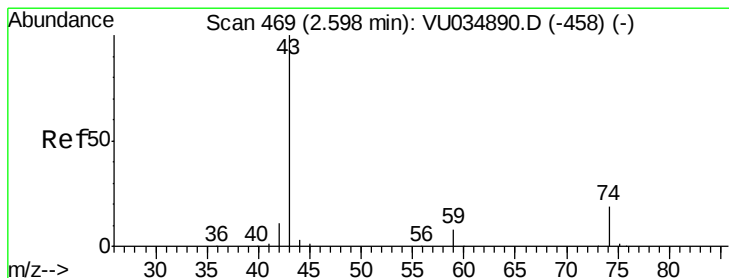
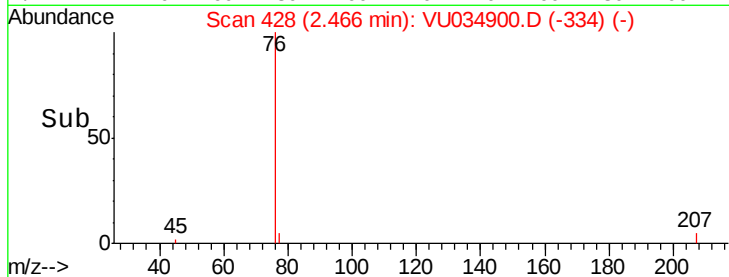
1000

500

0

2.42 2.44 2.46 2.48 2.50

Time-->



#15

Methyl Acetate

Concen: 1.415 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.02 min

Lab File: VU034900.D

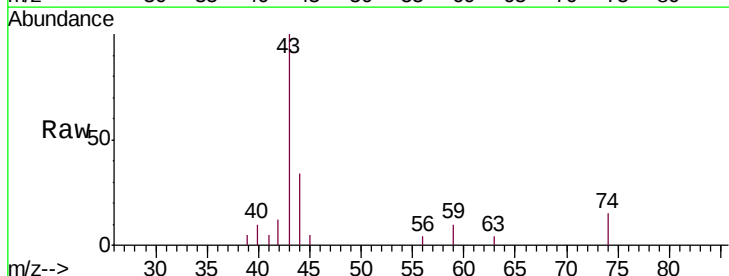
Acq: 01 Oct 2019 20:07

Tgt Ion: 43 Resp: 4419

Ion Ratio Lower Upper

43 100

74 15.7 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

2500

2000

1500

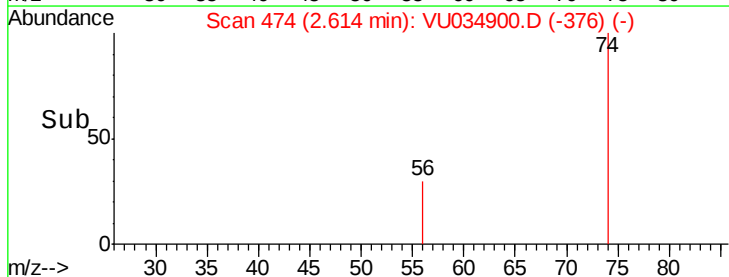
1000

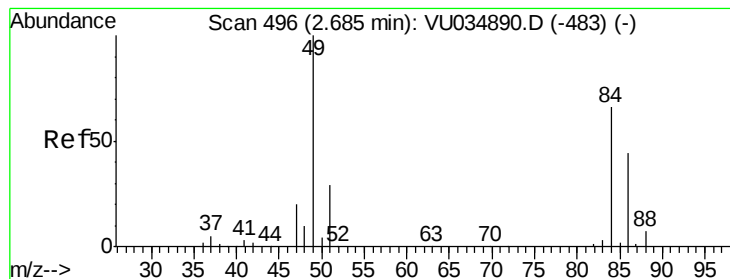
500

0

2.55 2.60 2.65

Time-->





#16

Methylene chloride

Concen: 16.046 ug/L

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

BFDL1

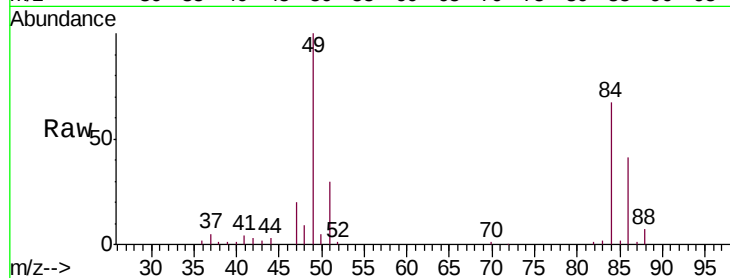
Tgt Ion: 84 Resp: 31636

Ion Ratio Lower Upper

84 100

86 61.0 44.7 82.9

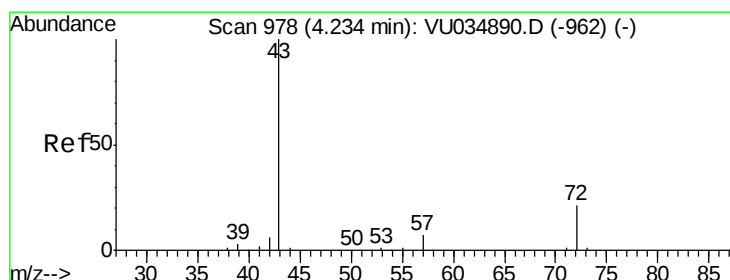
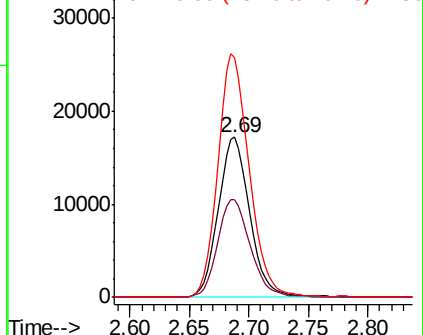
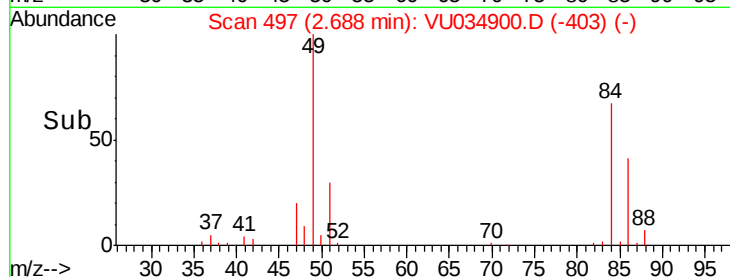
49 150.0 100.7 186.9



Abundance Ion 84.00 (83.70 to 84.70): VU034900.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034900.D (-403) (-)

Ion 49.00 (48.70 to 49.70): VU034900.D (-403) (-)



#22

2-Butanone

Concen: 14.749 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU034900.D

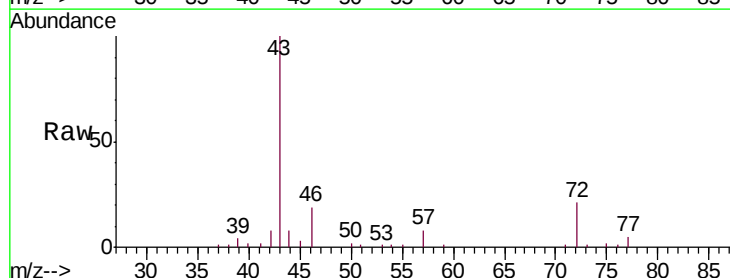
Acq: 01 Oct 2019 20:07

Tgt Ion: 43 Resp: 37474

Ion Ratio Lower Upper

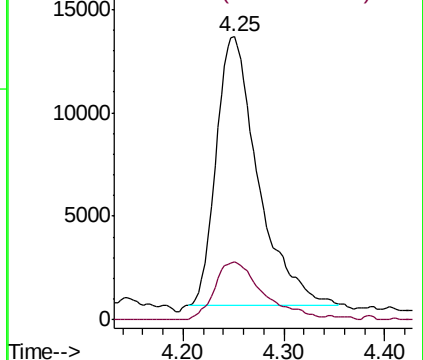
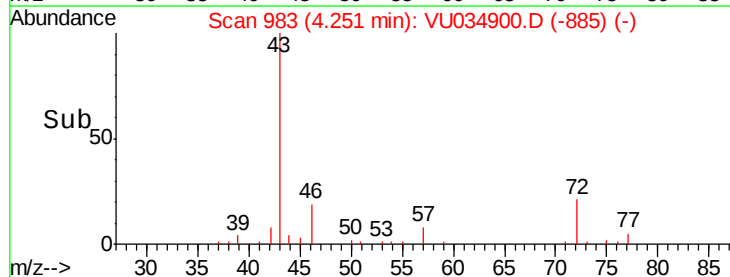
43 100

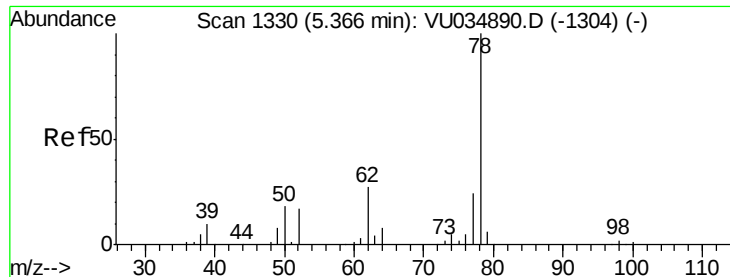
72 23.7 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VU034900.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034900.D (-885) (-)





#33

Benzene

Concen: 1.400 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

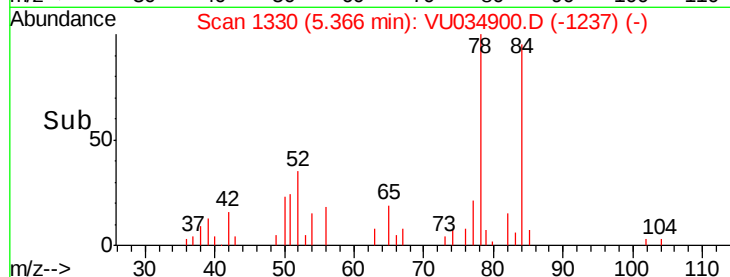
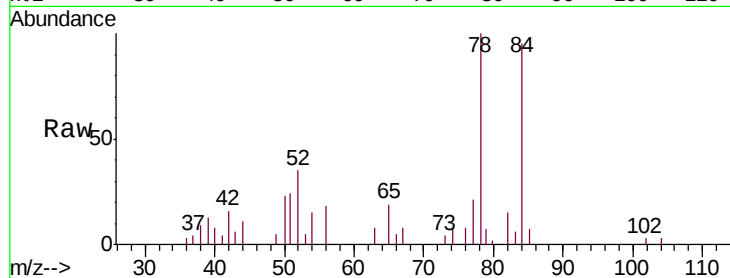
Instrument :

MSVOA_U

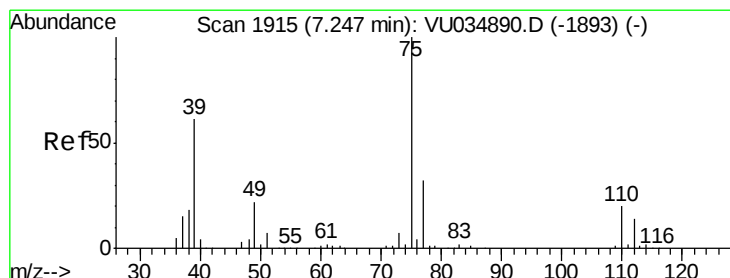
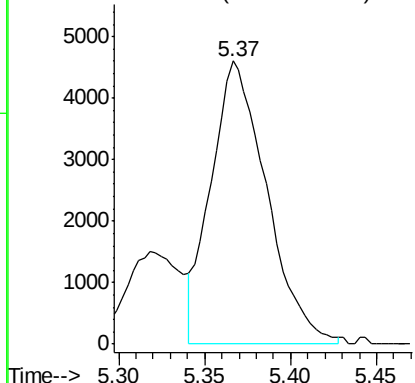
ClientSampleId :

BFDL1

Tgt Ion: 78 Resp: 10386



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 1.388 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU034900.D

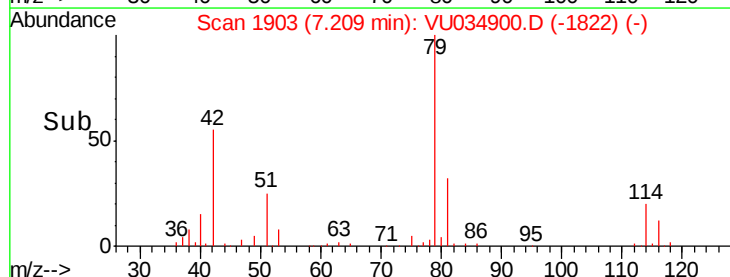
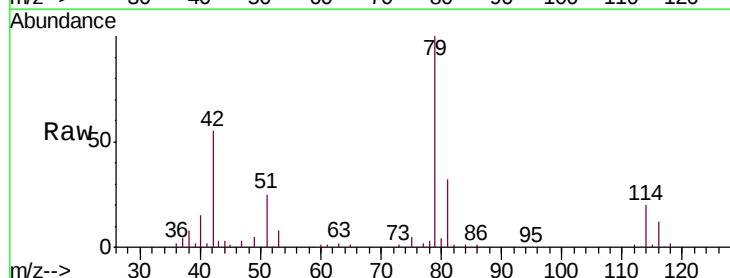
Acq: 01 Oct 2019 20:07

Tgt Ion: 75 Resp: 4902

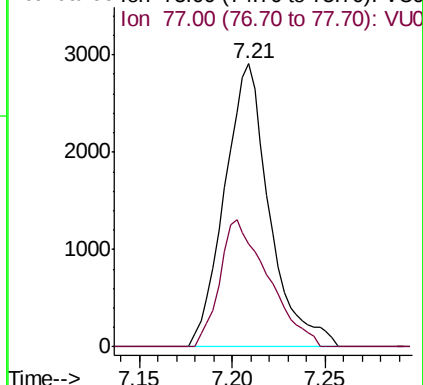
Ion Ratio Lower Upper

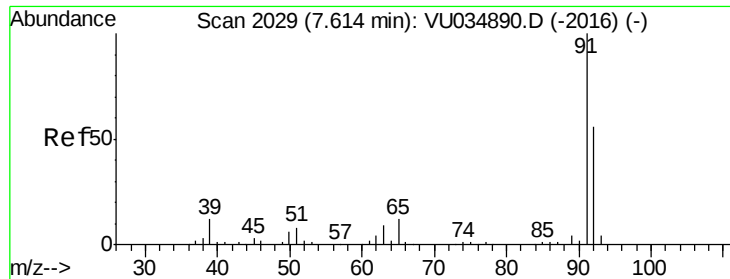
75 100

77 36.2 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0





#42

Toluene

Concen: 1.911 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

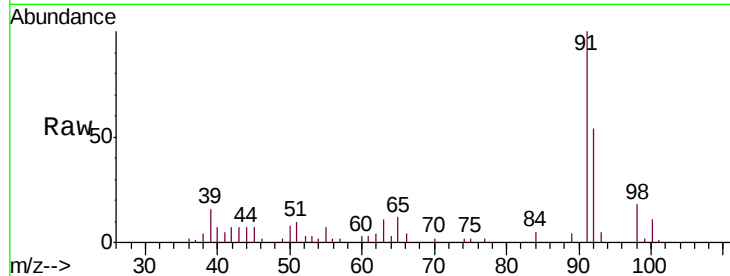
BFDL1

Tgt Ion: 91 Resp: 15249

Ion Ratio Lower Upper

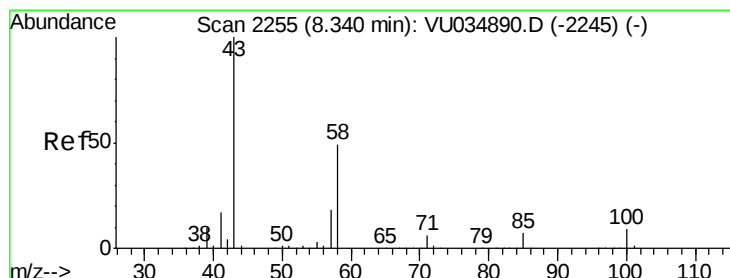
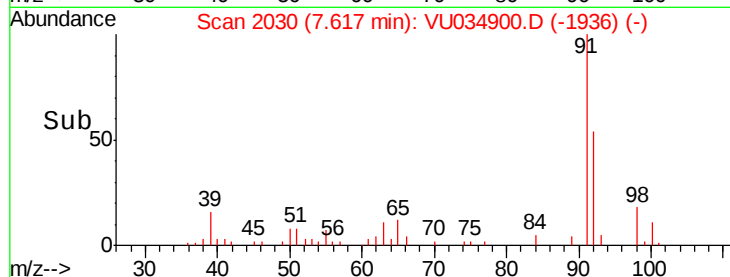
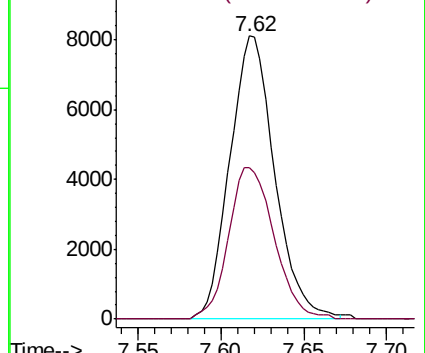
91 100

92 53.5 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) (-)



#48

2-Hexanone

Concen: 16.985 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.05 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Tgt Ion: 43 Resp: 65545

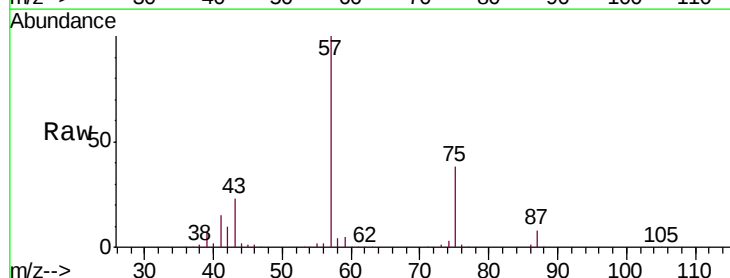
Ion Ratio Lower Upper

43 100

58 17.4 37.8 56.8#

57 449.9 13.4 20.0#

100 0.2 7.1 10.7#

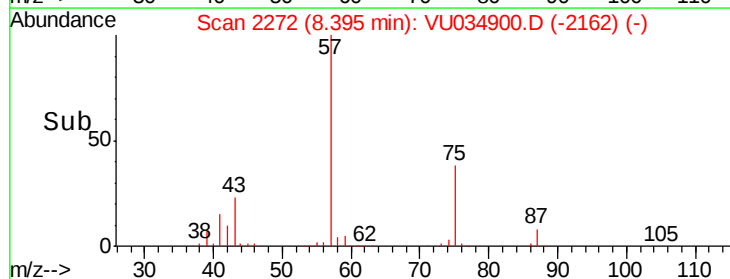
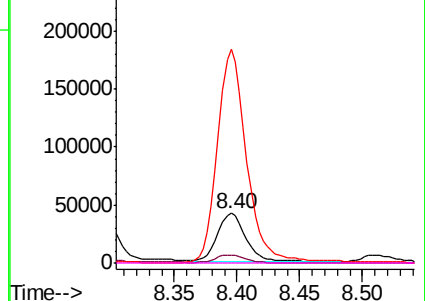


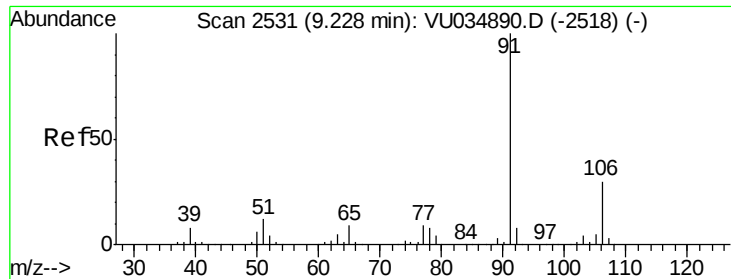
Abundance Ion 43.00 (42.70 to 43.70): VU034890.D (-2245) (-)

Ion 58.00 (57.70 to 58.70): VU034890.D (-2245) (-)

Ion 57.00 (56.70 to 57.70): VU034890.D (-2245) (-)

Ion 100.00 (99.70 to 100.70): VU034890.D (-2245) (-)

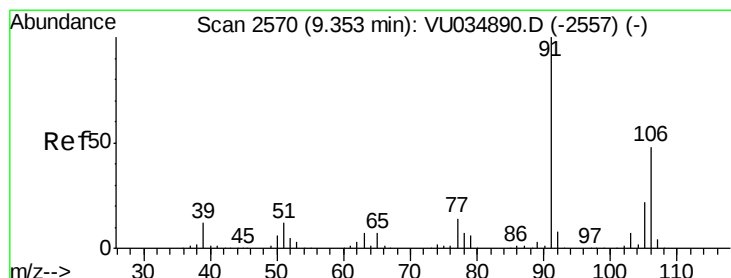
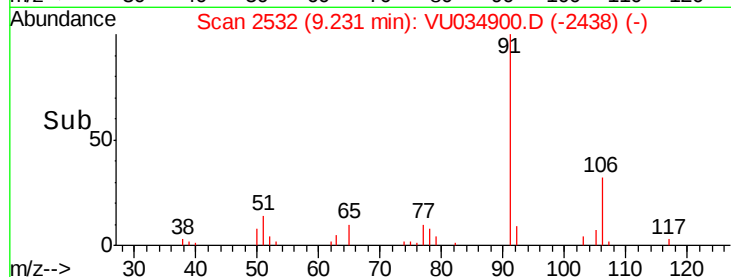
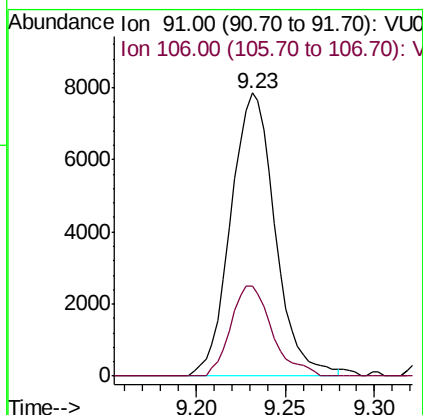
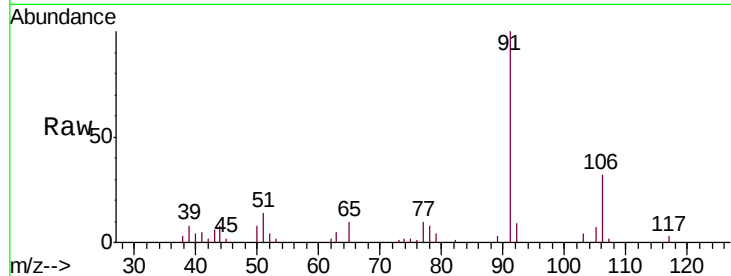




#52
Ethylbenzene
Concen: 1.458 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034900.D
Acq: 01 Oct 2019 20:07

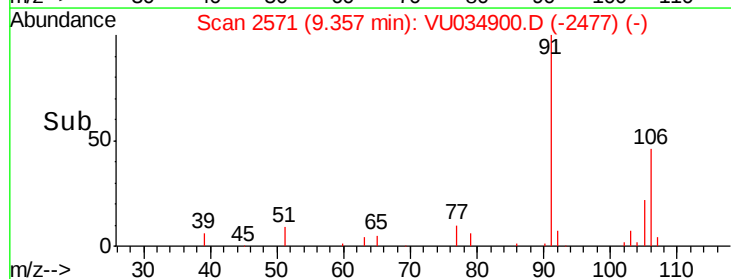
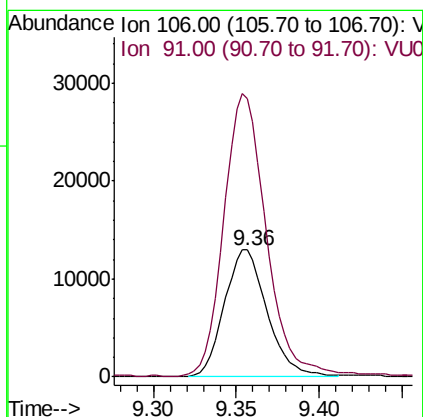
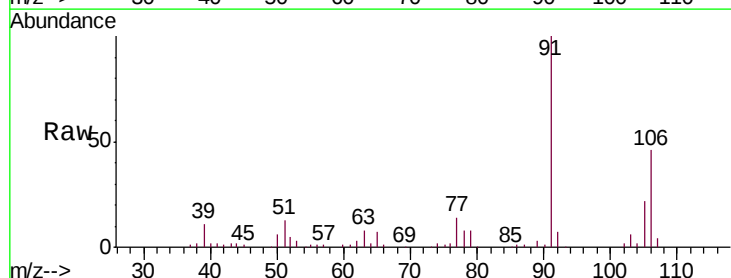
Instrument :
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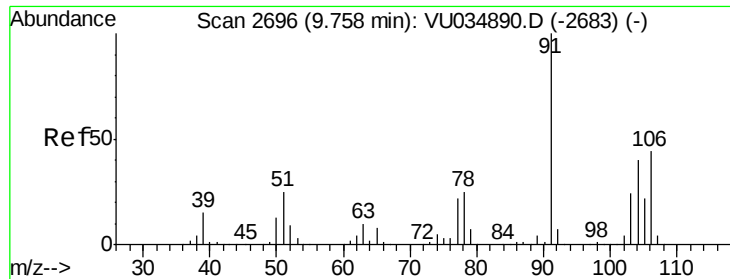
Tgt Ion: 91 Resp: 13659
Ion Ratio Lower Upper
91 100
106 31.8 20.9 38.9



#53
m,p-Xylene
Concen: 7.136 ug/L
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034900.D
Acq: 01 Oct 2019 20:07

Tgt Ion: 106 Resp: 23352
Ion Ratio Lower Upper
106 100
91 219.3 150.1 278.9

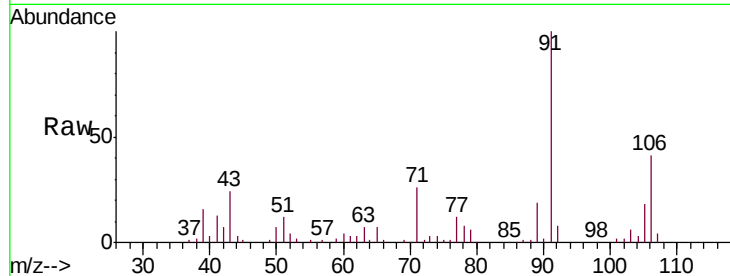




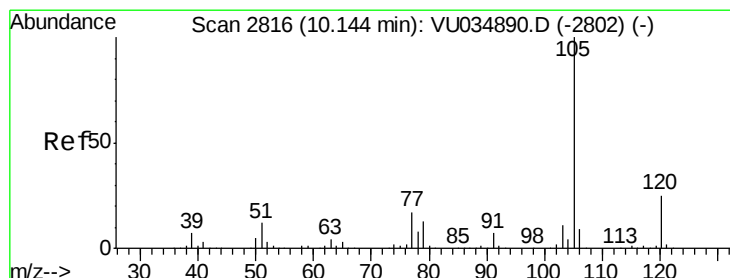
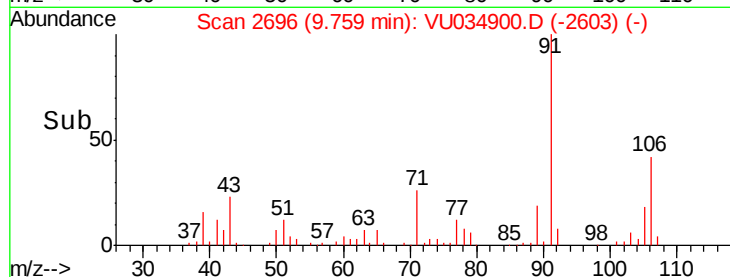
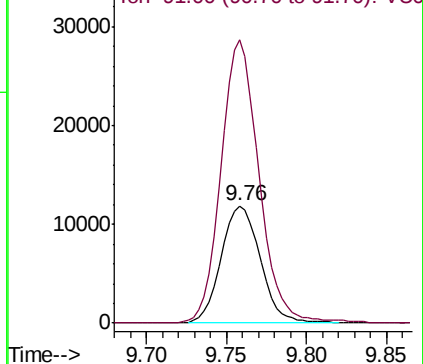
#54
o-xylene
Concen: 5.770 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034900.D
Acq: 01 Oct 2019 20:07

Instrument :
MSVOA_U
ClientSampleId :
BFDL1

Tgt Ion:106 Resp: 19914
Ion Ratio Lower Upper
106 100
91 241.9 157.8 293.0

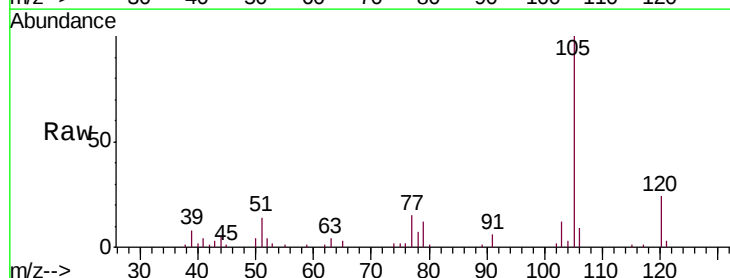


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

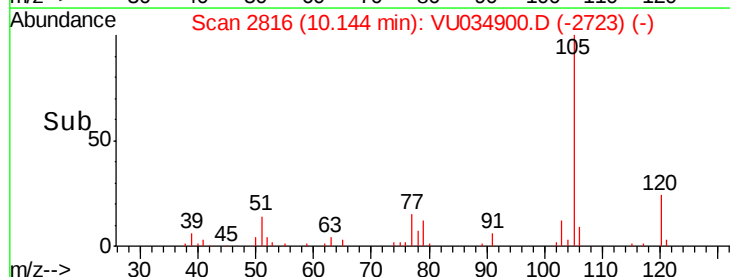
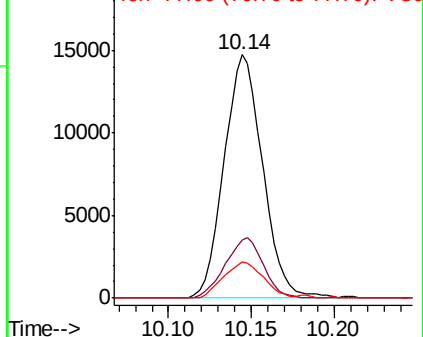


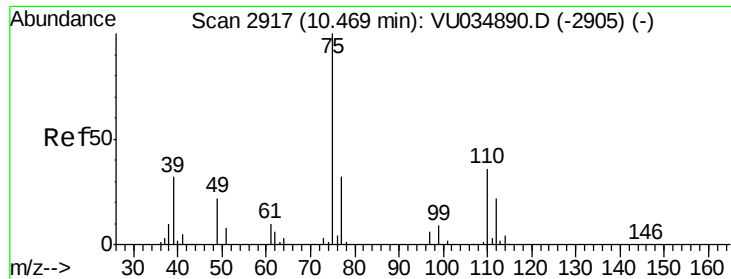
#56
Isopropylbenzene
Concen: 2.468 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034900.D
Acq: 01 Oct 2019 20:07

Tgt Ion:105 Resp: 23799
Ion Ratio Lower Upper
105 100
120 24.2 20.2 30.4
77 15.5 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

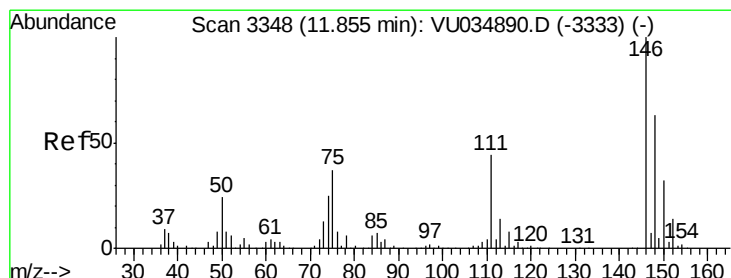
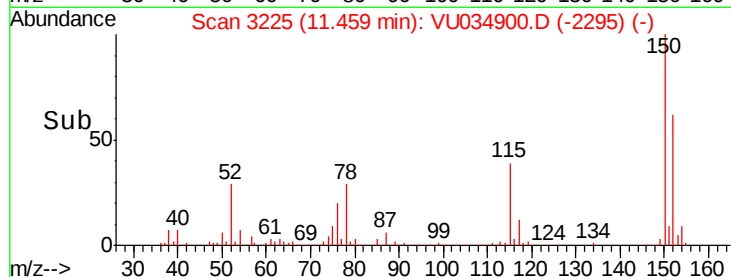
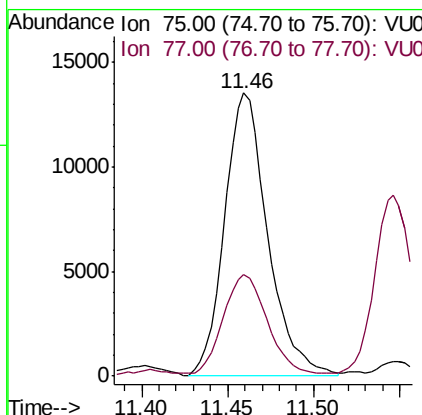
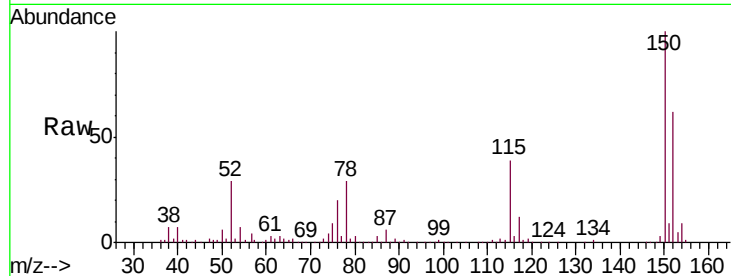




#59
 1,2,3-Trichloropropane
 Concen: 6.251 ug/L
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.99 min
 Lab File: VU034900.D
 Acq: 01 Oct 2019 20:07

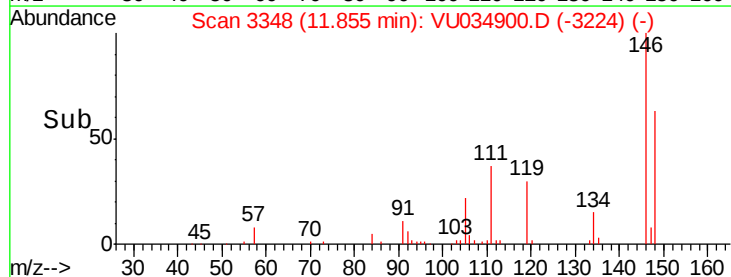
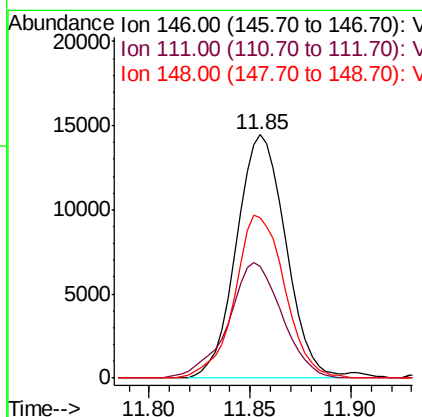
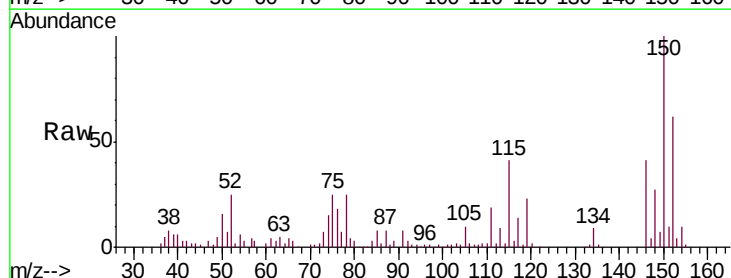
Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL1

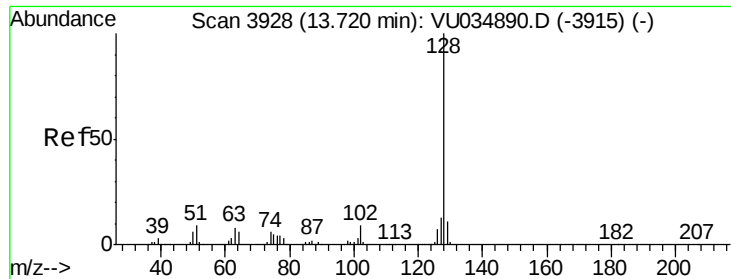
Tgt Ion: 75 Resp: 23622
 Ion Ratio Lower Upper
 75 100
 77 37.6 25.9 38.9



#65
 1,2-Dichlorobenzene
 Concen: 5.562 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034900.D
 Acq: 01 Oct 2019 20:07

Tgt Ion: 146 Resp: 24716
 Ion Ratio Lower Upper
 146 100
 111 45.8 34.9 52.3
 148 66.0 50.0 75.0





#69

Naphthalene

Concen: 15.106 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034900.D

Acq: 01 Oct 2019 20:07

Instrument :

MSVOA_U

ClientSampleId :

BFDL1

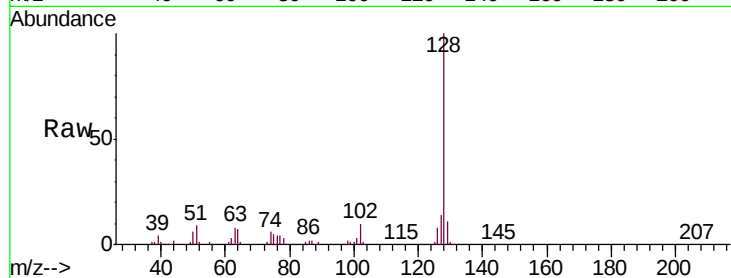
Tgt Ion:128 Resp: 111868

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 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

