

Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDF9

Quant Time: Sep 20 04:05:22 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	481324	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	450581	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	202651	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	227346	46.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.28%
7) Chloroethane-d5	1.67	69	179859	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.46%
11) 1,1-Dichloroethene-d2	2.26	63	298289	35.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.50%
21) 2-Butanone-d5	4.15	46	397749	105.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.32%
24) Chloroform-d	4.62	84	348912	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.42%
26) 1,2-Dichloroethane-d4	5.29	65	258348	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
32) Benzene-d6	5.32	84	693238	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.28%
36) 1,2-Dichloropropane-d6	6.31	67	247061	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.22%
41) Toluene-d8	7.54	98	659803	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%
43) trans-1,3-Dichloropropene-	7.83	79	114954	49.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.34%
47) 2-Hexanone-d5	8.29	63	255870	104.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.36%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	328703	48.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.06%
64) 1,2-Dichlorobenzene-d4	11.84	152	221494	52.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.24%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2637	0.804 ug/L #	28
13) Acetone	2.31	43	159895	36.398 ug/L	98
14) Carbon disulfide	2.46	76	10756	1.012 ug/L #	90
15) Methyl Acetate	2.60	43	13754	2.344 ug/L	97
16) Methylene chloride	2.68	84	4928	1.235 ug/L	92
22) 2-Butanone	4.25	43	48030	9.190 ug/L	98
29) Cyclohexane	4.97	56	7936	1.067 ug/L	93
33) Benzene	5.37	78	32586	2.085 ug/L	100
35) Methylcyclohexane	6.39	83	8241	1.258 ug/L	94
44) trans-1,3-Dichloropropene	7.83	75	6298	0.999 ug/L	87
48) 2-Hexanone	8.40	43	96176	13.861 ug/L #	1
51) Chlorobenzene	9.10	112	195323	19.025 ug/L	99
52) Ethylbenzene	9.23	91	29665	1.560 ug/L	100
53) m,p-Xylene	9.36	106	24142	3.584 ug/L	93
54) o-xylene	9.76	106	10932	1.641 ug/L	90
56) Isopropylbenzene	10.14	105	34275	1.908 ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	12597	1.762 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Sep 20 04:02:05 2019
Response via : Initial Calibration

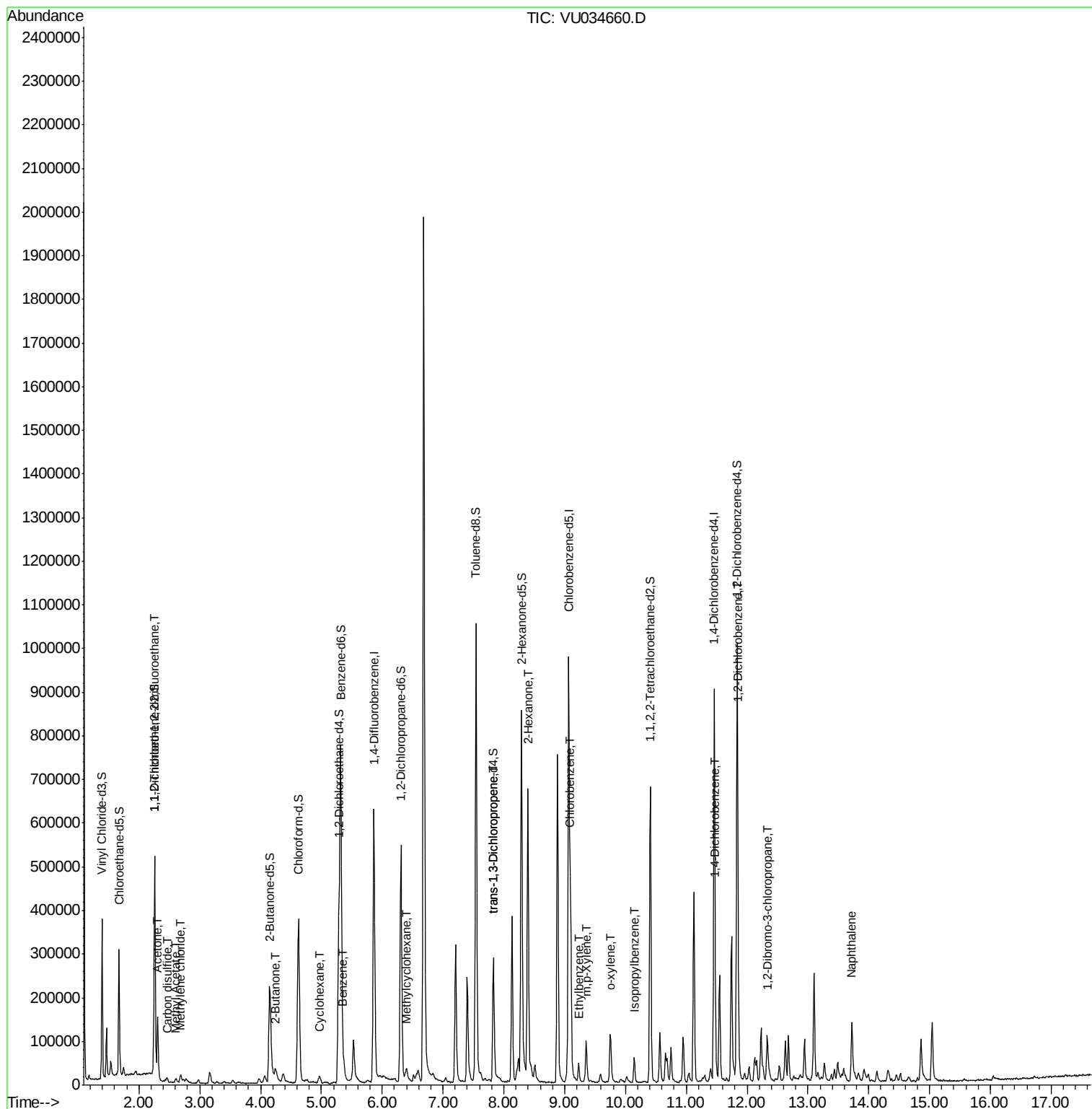
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.85	146	23891	3.369	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.33	75	1642	1.089	ug/L #	10
69) Naphthalene	13.72	128	110286	8.616	ug/L	99

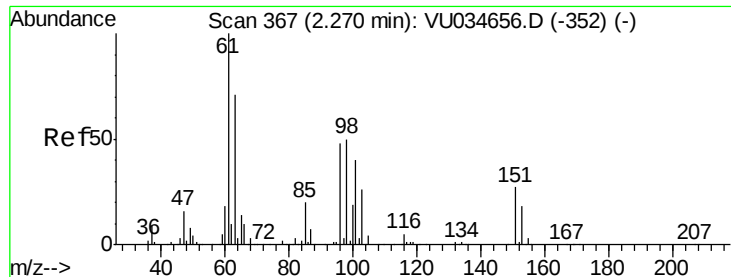
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.804 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU034660.D

Acq: 19 Sep 2019 20:39

Instrument :

MSVOA_U

ClientSampleId :

BDF9

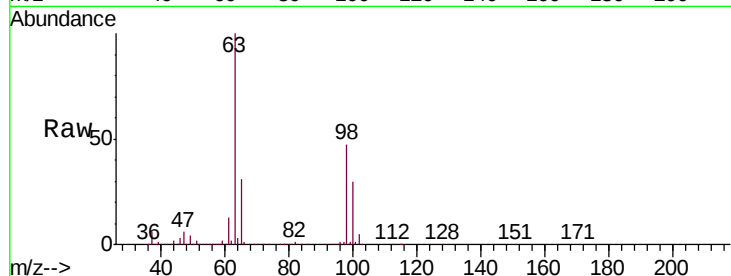
Tgt Ion:101 Resp: 2637

Ion Ratio Lower Upper

101 100

85 3.1 39.0 58.4#

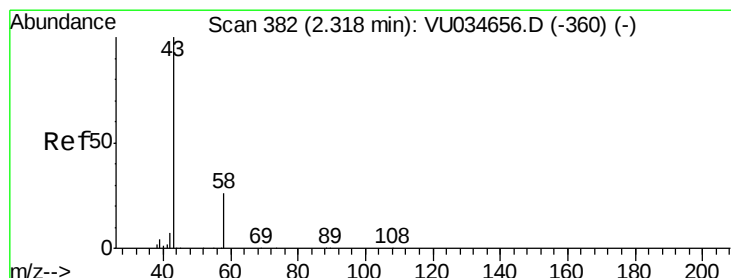
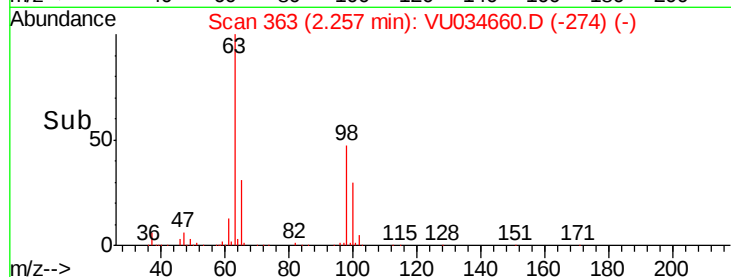
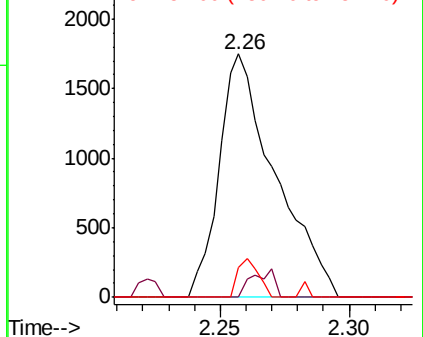
151 5.8 52.8 79.2#



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



#13

Acetone

Concen: 36.398 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VU034660.D

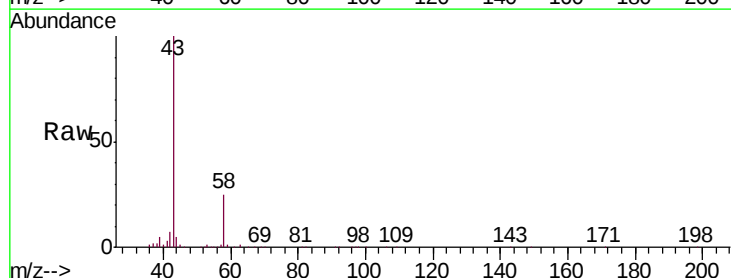
Acq: 19 Sep 2019 20:39

Tgt Ion: 43 Resp: 159895

Ion Ratio Lower Upper

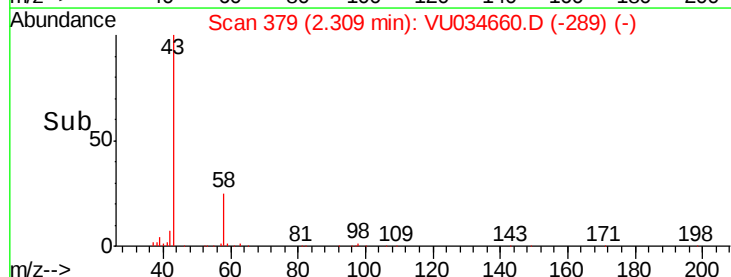
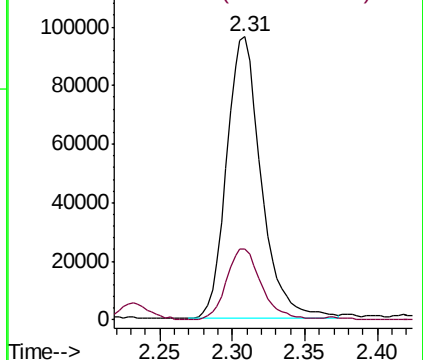
43 100

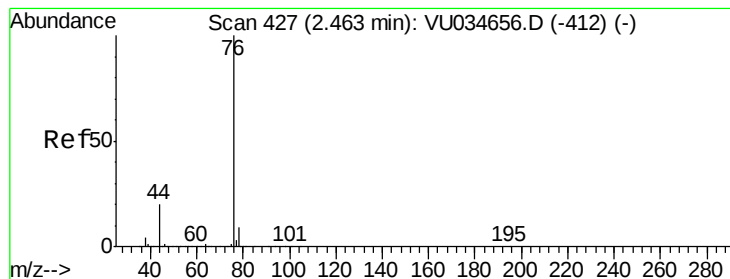
58 25.5 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 1.012 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034660.D

Acq: 19 Sep 2019 20:39

Instrument :

MSVOA_U

ClientSampleId :

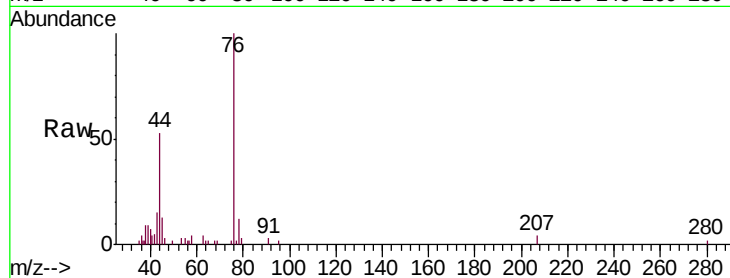
BDF9

Tgt Ion: 76 Resp: 10756

Ion Ratio Lower Upper

76 100

78 12.1 6.9 10.3#



Abundance Ion 76.00 (75.70 to 76.70): VU034660.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034660.D (-334) (-)

2.46

6000

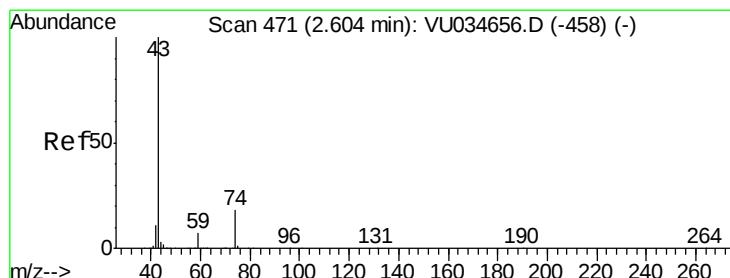
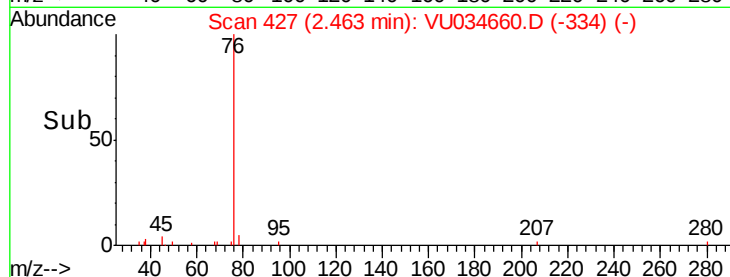
4000

2000

0

Time-->

2.40 2.45 2.50



#15

Methyl Acetate

Concen: 2.344 ug/L

RT: 2.60 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU034660.D

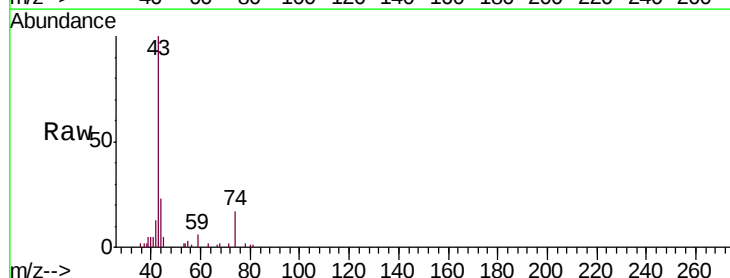
Acq: 19 Sep 2019 20:39

Tgt Ion: 43 Resp: 13754

Ion Ratio Lower Upper

43 100

74 16.6 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VU034660.D (-378) (-)

Ion 74.00 (73.70 to 74.70): VU034660.D (-378) (-)

2.60

8000

6000

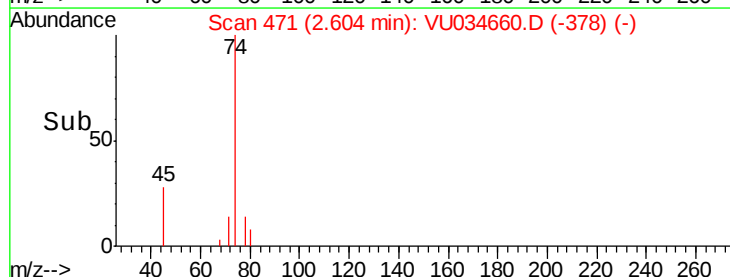
4000

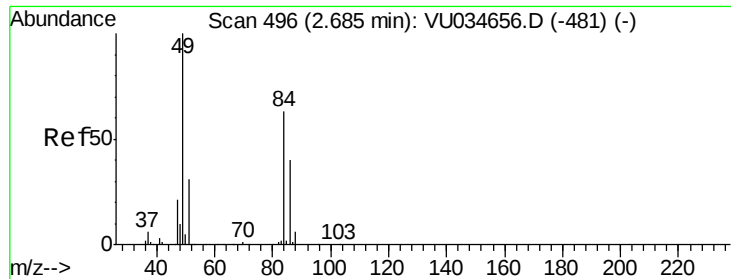
2000

0

Time-->

2.55 2.60 2.65

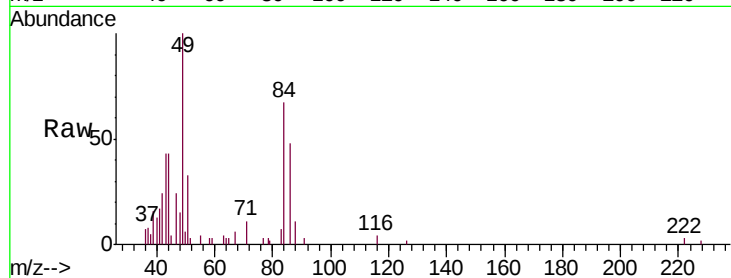




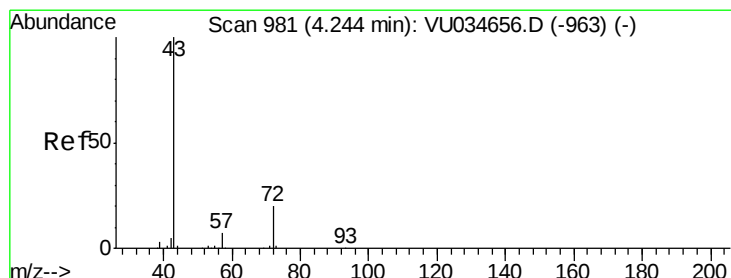
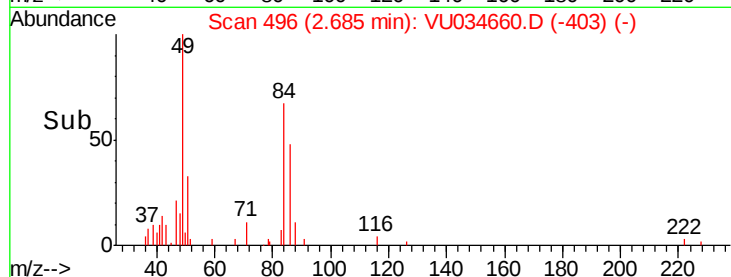
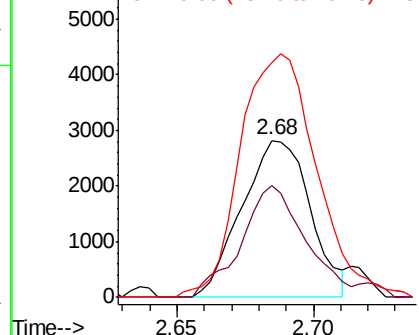
#16
Methylene chloride
Concen: 1.235 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034660.D
Acq: 19 Sep 2019 20:39

Instrument :
MSVOA_U
ClientSampleId :
BFDF9

Tgt Ion: 84 Resp: 4928
Ion Ratio Lower Upper
84 100
86 71.3 43.0 80.0
49 149.5 109.7 203.7

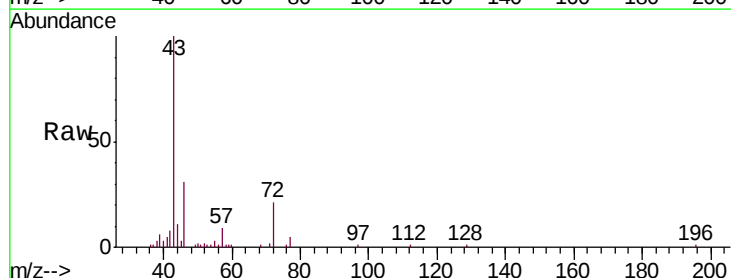


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

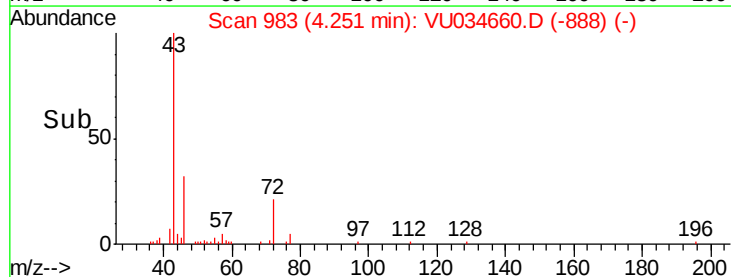
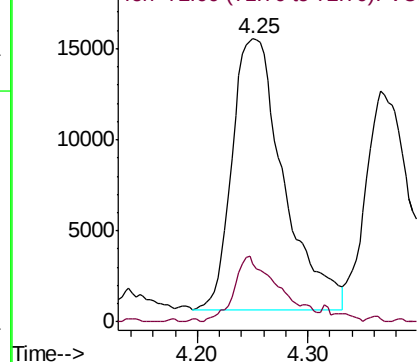


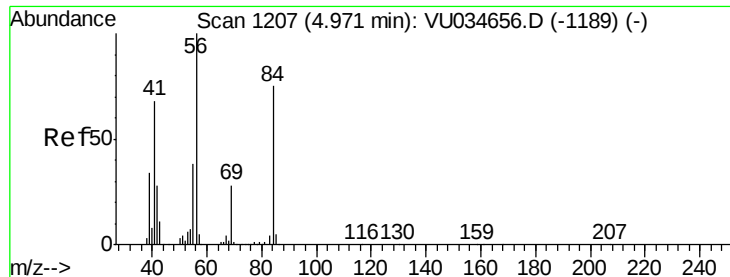
#22
2-Butanone
Concen: 9.190 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.01 min
Lab File: VU034660.D
Acq: 19 Sep 2019 20:39

Tgt Ion: 43 Resp: 48030
Ion Ratio Lower Upper
43 100
72 19.5 10.2 30.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0

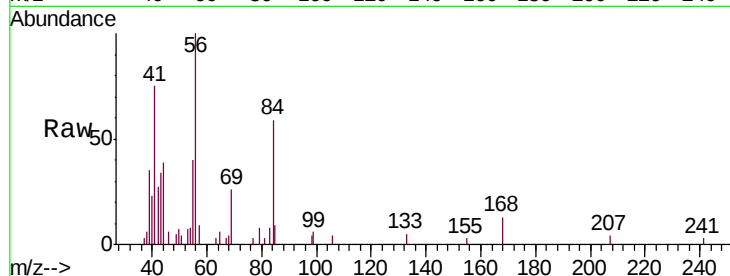




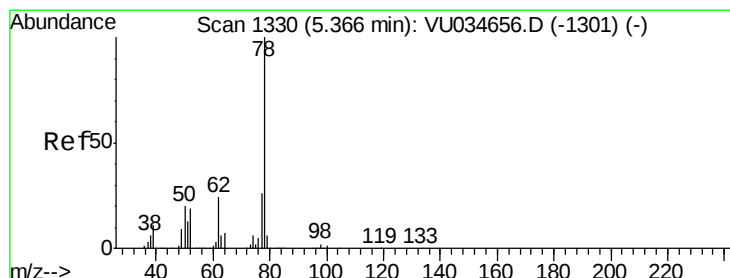
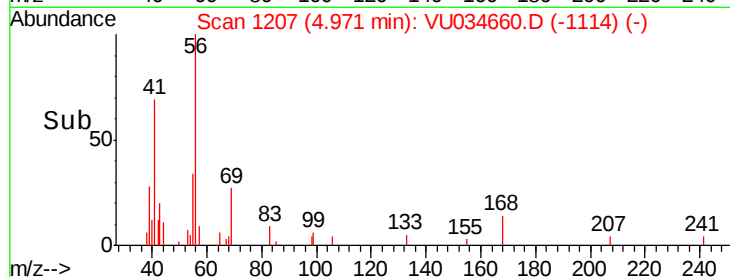
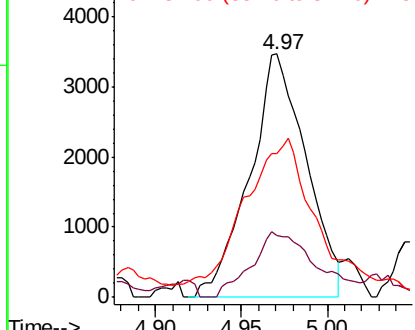
#29
Cyclohexane
Concen: 1.067 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034660.D
Acq: 19 Sep 2019 20:39

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Tgt Ion: 56 Resp: 7936
Ion Ratio Lower Upper
56 100
69 26.7 21.7 32.5
84 66.2 58.8 88.2

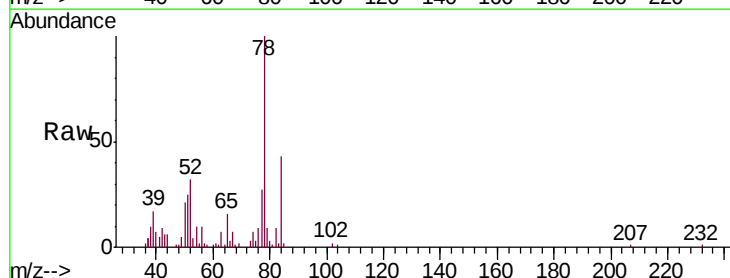


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

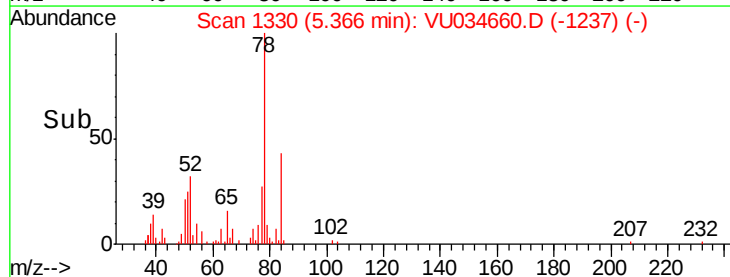
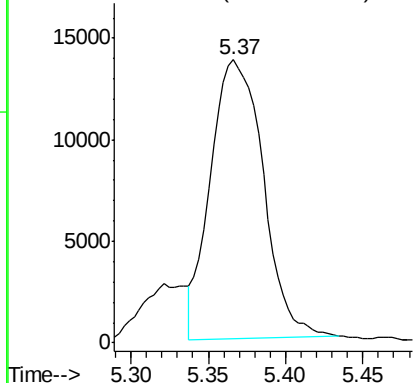


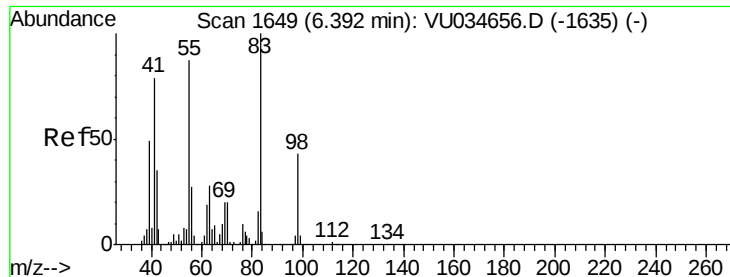
#33
Benzene
Concen: 2.085 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034660.D
Acq: 19 Sep 2019 20:39

Tgt Ion: 78 Resp: 32586



Abundance Ion 78.00 (77.70 to 78.70): VU0





#35

Methylcyclohexane

Concen: 1.258 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU034660.D

Acq: 19 Sep 2019 20:39

Instrument :

MSVOA_U

ClientSampleId :

BDF9

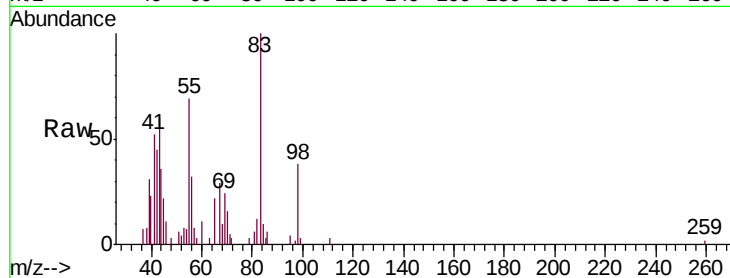
Tgt Ion: 83 Resp: 8241

Ion Ratio Lower Upper

83 100

55 84.4 71.6 107.4

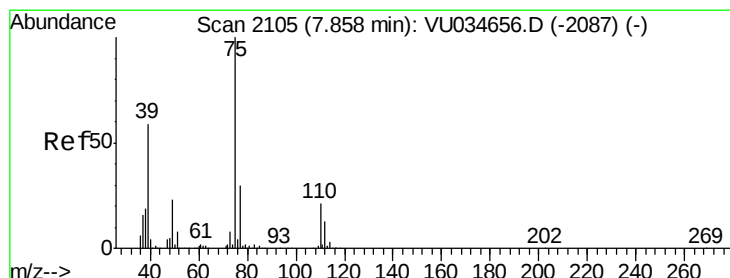
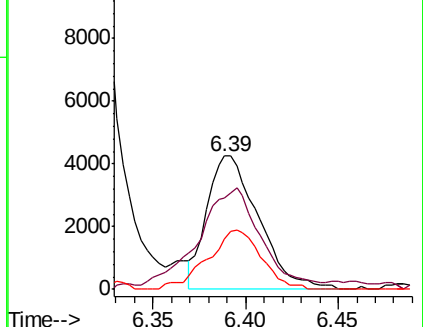
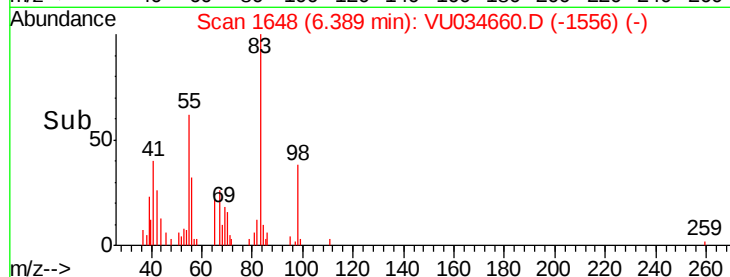
98 40.1 35.7 53.5



Abundance Ion 83.00 (82.70 to 83.70): VU034660.D (-1556) (-)

Ion 55.00 (54.70 to 55.70): VU034660.D (-1556) (-)

Ion 98.00 (97.70 to 98.70): VU034660.D (-1556) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.999 ug/L

RT: 7.83 min Scan# 2095

Delta R.T. -0.03 min

Lab File: VU034660.D

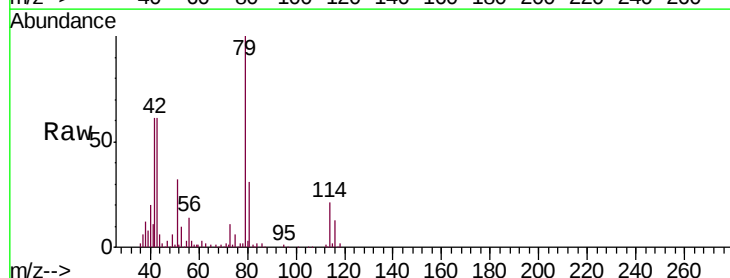
Acq: 19 Sep 2019 20:39

Tgt Ion: 75 Resp: 6298

Ion Ratio Lower Upper

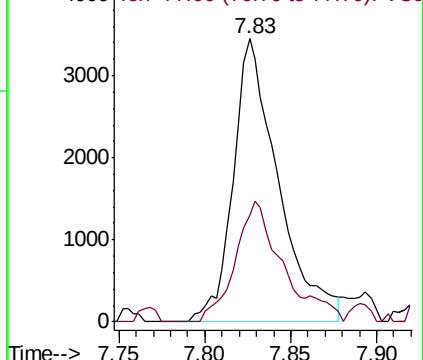
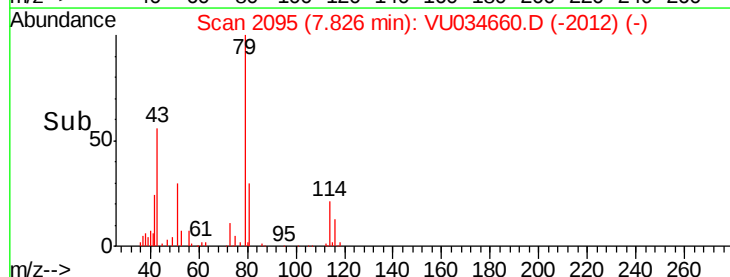
75 100

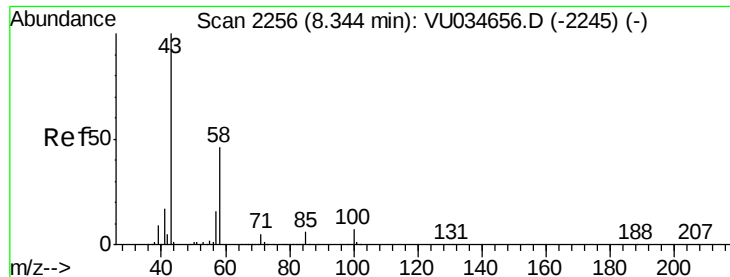
77 37.7 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU034660.D (-2122) (-)

Ion 77.00 (76.70 to 77.70): VU034660.D (-2122) (-)

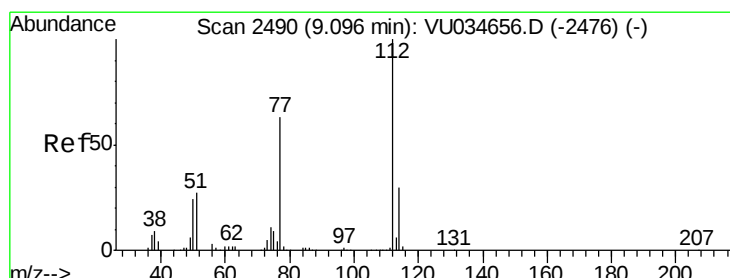
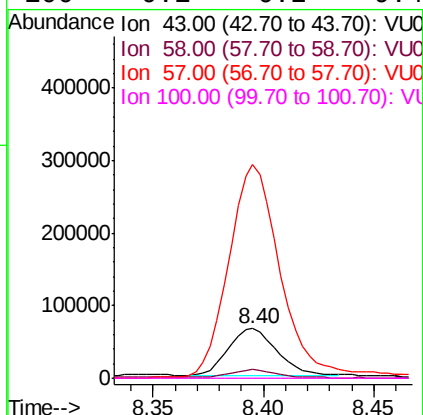
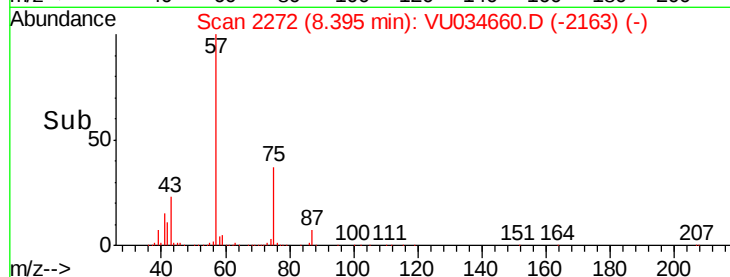
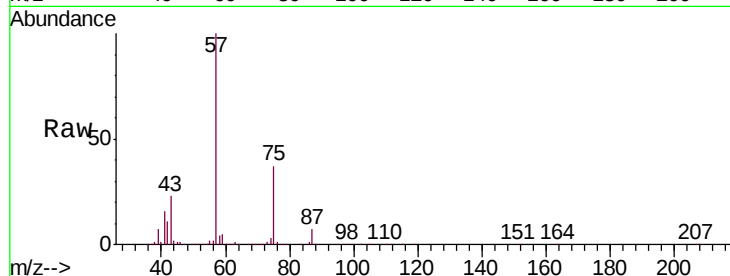




#48
2-Hexanone
Concen: 13.861 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034660.D
Acq: 19 Sep 2019 20:39

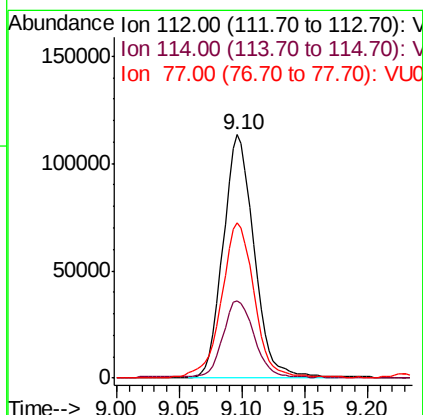
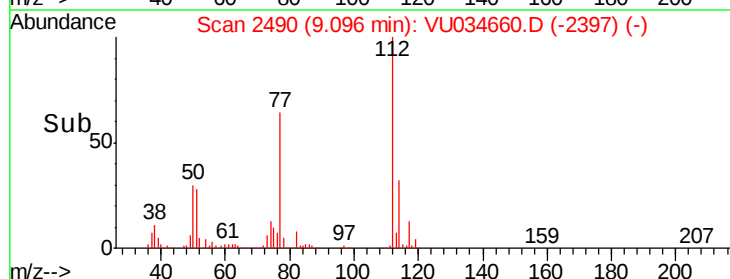
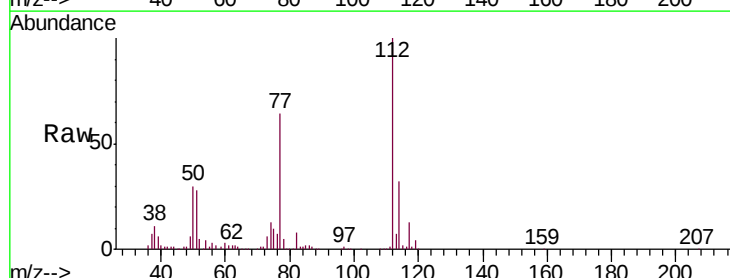
Instrument :
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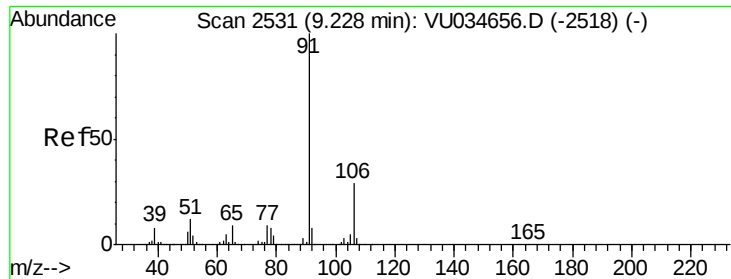
Tgt Ion: 43 Resp: 96176
Ion Ratio Lower Upper
43 100
58 20.2 35.3 52.9#
57 501.5 12.1 18.1#
100 0.1 6.2 9.4#



#51
Chlorobenzene
Concen: 19.025 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034660.D
Acq: 19 Sep 2019 20:39

Tgt Ion: 112 Resp: 195323
Ion Ratio Lower Upper
112 100
114 32.0 22.8 42.4
77 63.9 51.5 77.3





#52

Ethylbenzene

Concen: 1.560 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034660.D

Acq: 19 Sep 2019 20:39

Instrument :

MSVOA_U

ClientSampleId :

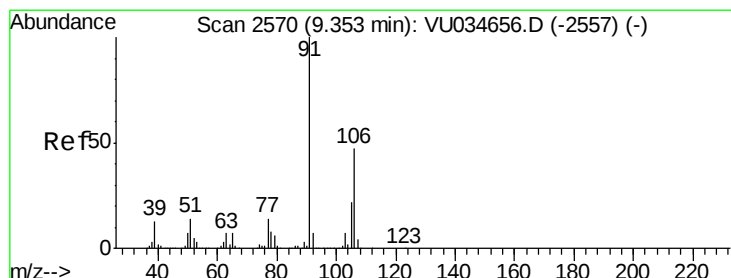
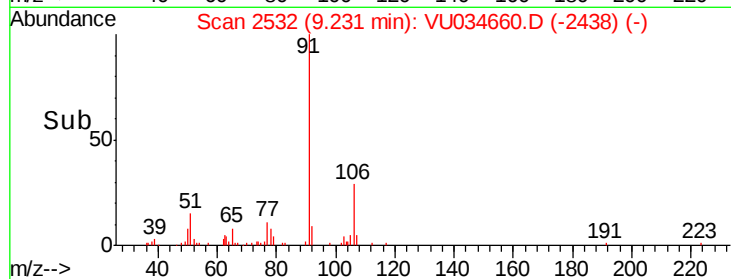
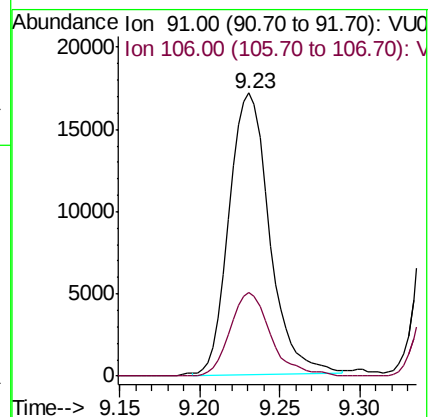
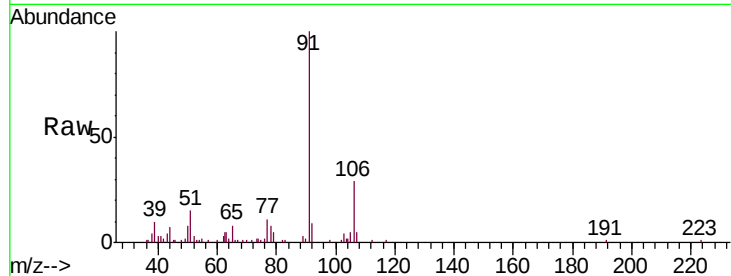
BFDF9

Tgt Ion: 91 Resp: 29665

Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



#53

m,p-Xylene

Concen: 3.584 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034660.D

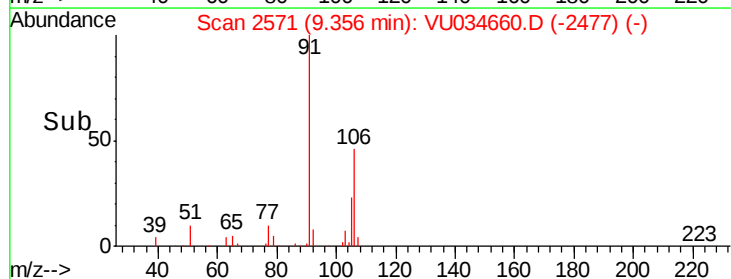
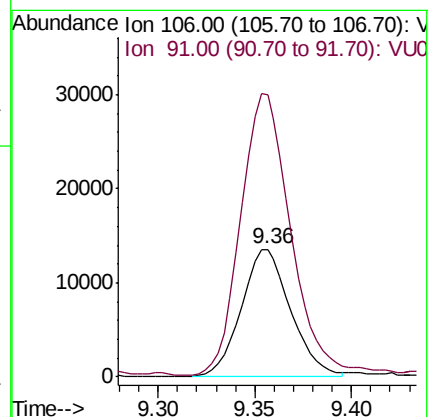
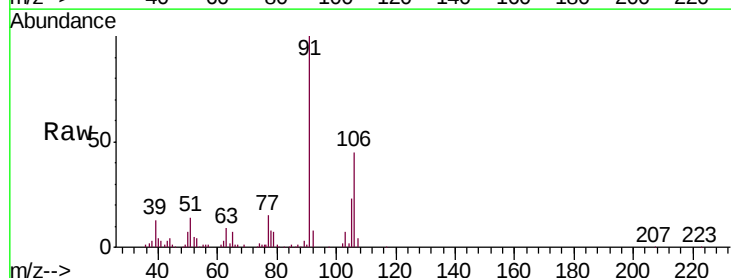
Acq: 19 Sep 2019 20:39

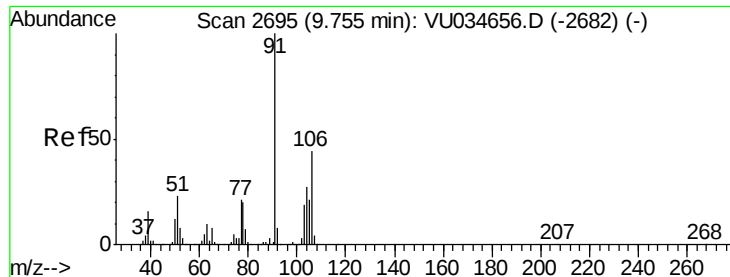
Tgt Ion: 106 Resp: 24142

Ion Ratio Lower Upper

106 100

91 220.9 146.9 272.7





#54

o-xylene

Concen: 1.641 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034660.D

Acq: 19 Sep 2019 20:39

Instrument :

MSVOA_U

ClientSampleId :

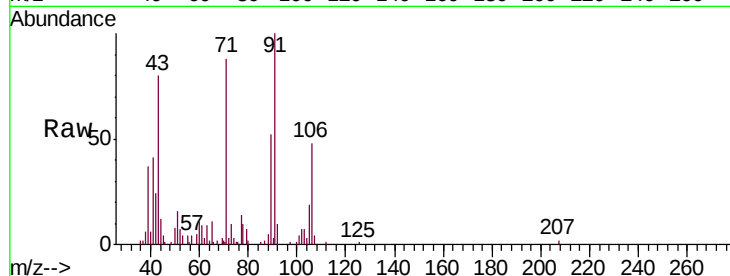
BDF9

Tgt Ion:106 Resp: 10932

Ion Ratio Lower Upper

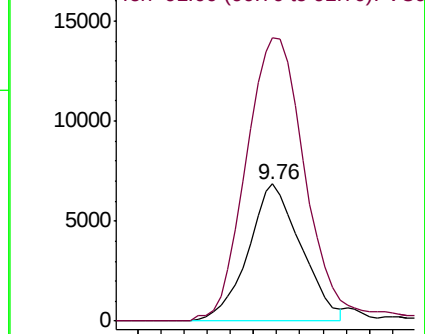
106 100

91 206.9 155.6 289.0

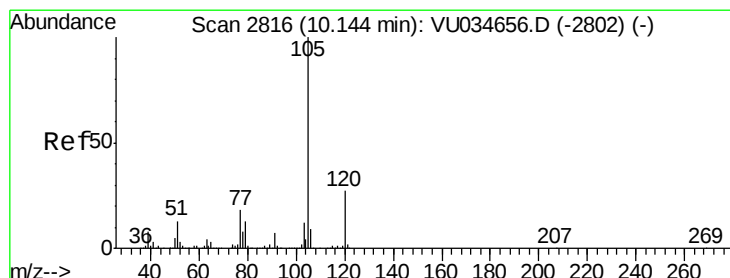
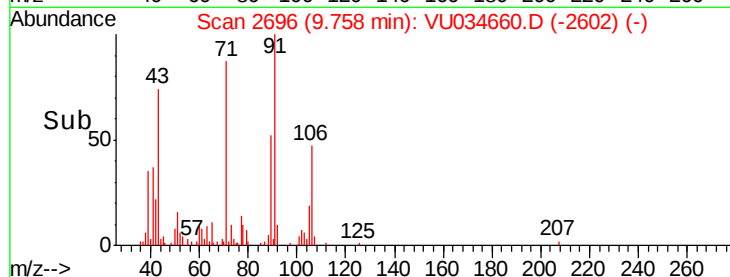


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#56

Isopropylbenzene

Concen: 1.908 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034660.D

Acq: 19 Sep 2019 20:39

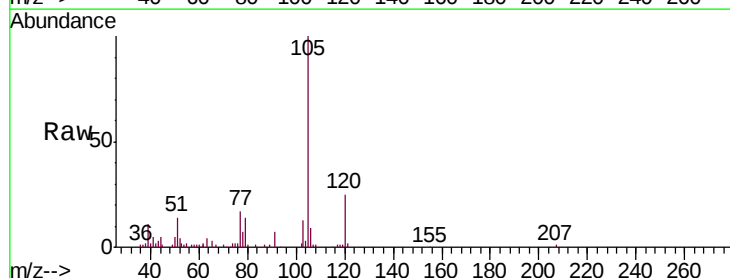
Tgt Ion:105 Resp: 34275

Ion Ratio Lower Upper

105 100

120 25.8 20.4 30.6

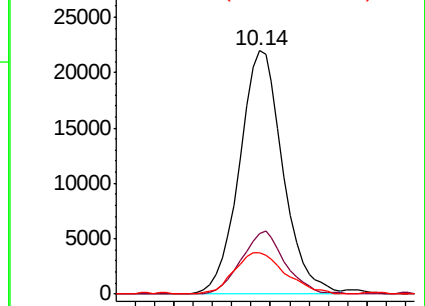
77 19.9 14.2 21.4



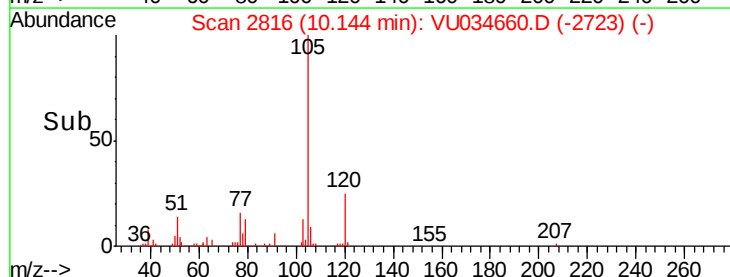
Abundance Ion 105.00 (104.70 to 105.70): V

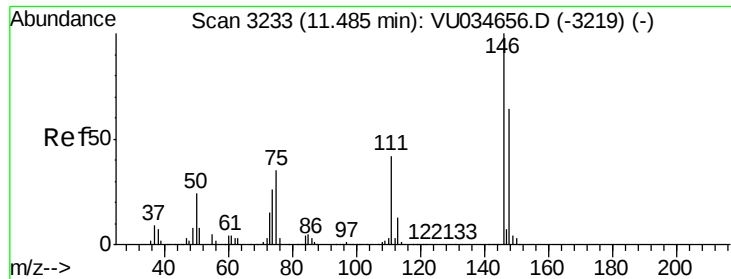
Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0



Time-->

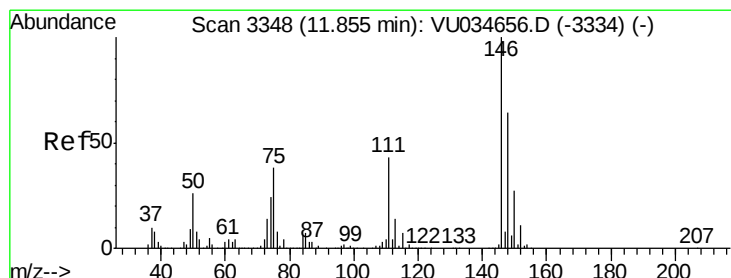
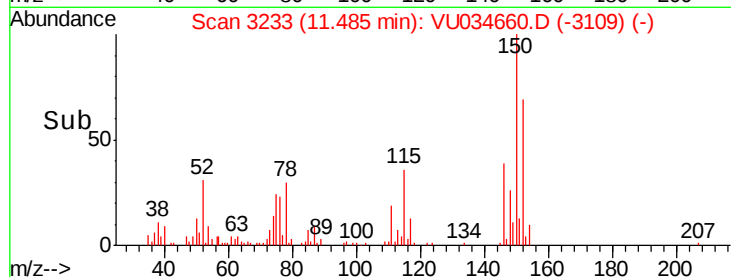
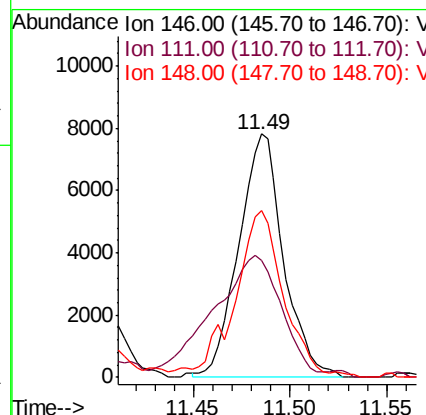
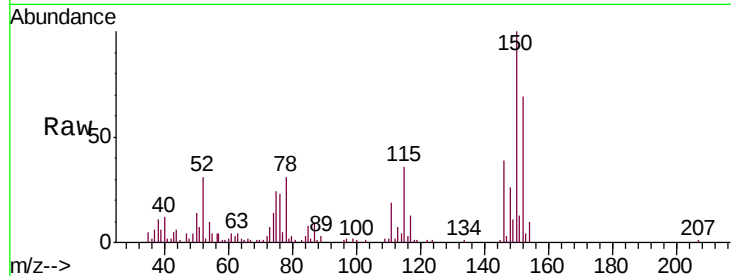




#63
 1,4-Dichlorobenzene
 Concen: 1.762 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034660.D
 Acq: 19 Sep 2019 20:39

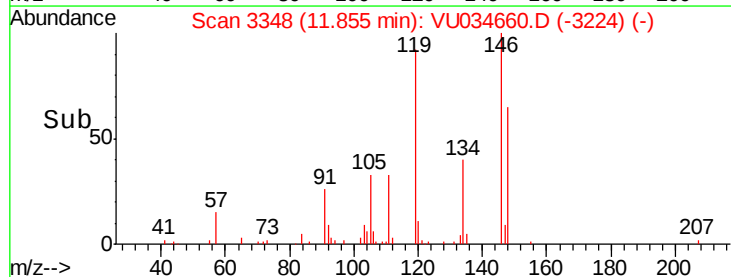
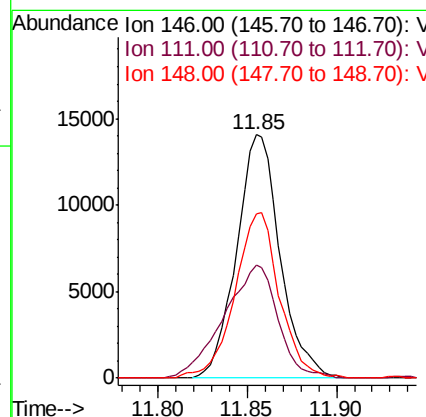
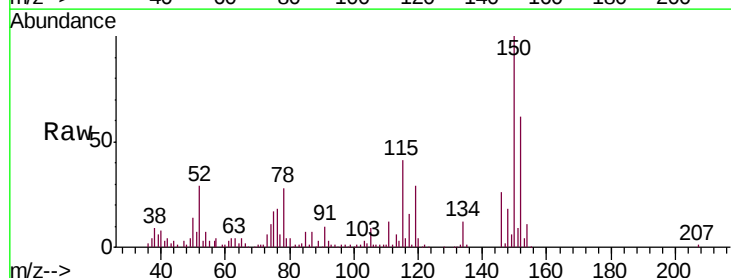
Instrument :
 MSVOA_U
 ClientSampleId :
 BPDF9

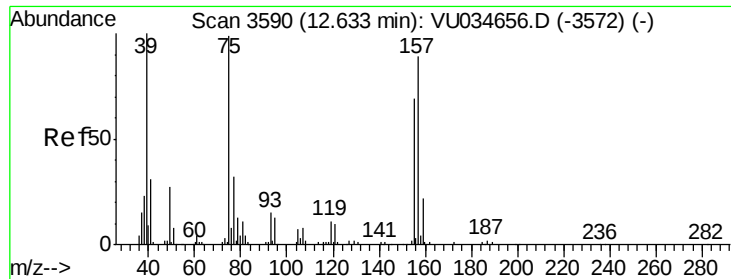
Tgt Ion:146 Resp: 12597
 Ion Ratio Lower Upper
 146 100
 111 48.1 29.5 54.9
 148 68.6 44.4 82.4



#65
 1,2-Dichlorobenzene
 Concen: 3.369 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034660.D
 Acq: 19 Sep 2019 20:39

Tgt Ion:146 Resp: 23891
 Ion Ratio Lower Upper
 146 100
 111 46.2 35.2 52.8
 148 67.7 53.0 79.6

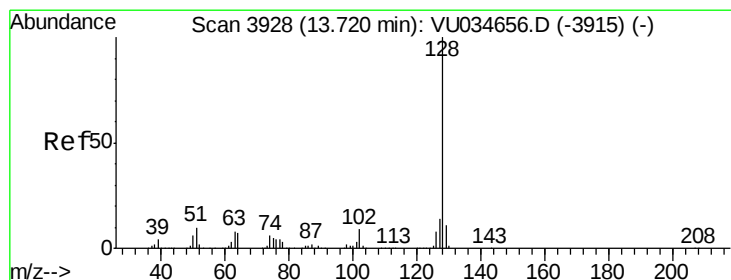
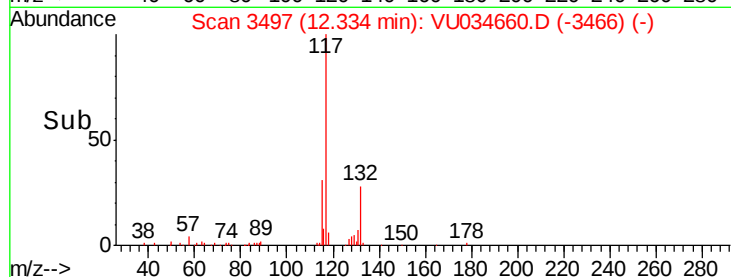
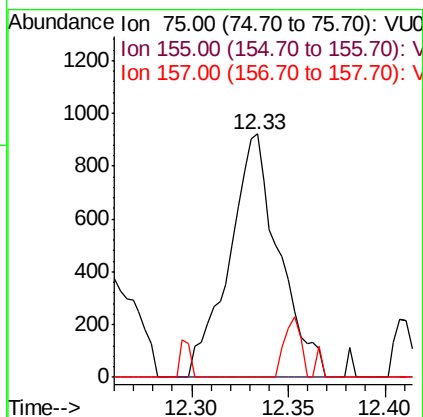
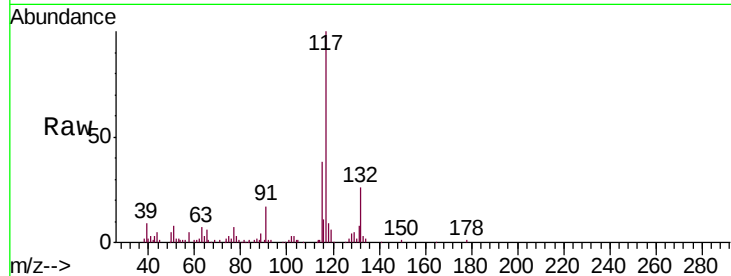




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.089 ug/L
 RT: 12.33 min Scan# 3497
 Delta R.T. -0.30 min
 Lab File: VU034660.D
 Acq: 19 Sep 2019 20:39

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDF9

Tgt Ion: 75 Resp: 1642
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.7 82.1#
 157 0.0 69.9 104.9#



#69
 Naphthalene
 Concen: 8.616 ug/L
 RT: 13.72 min Scan# 3929
 Delta R.T. 0.00 min
 Lab File: VU034660.D
 Acq: 19 Sep 2019 20:39

Tgt Ion: 128 Resp: 110286
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.8 16.2
 129 11.9 8.6 12.8

