

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110519\
 Data File : VU035626.D
 Acq On : 05 Nov 2019 13:28
 Operator : JC/SP
 Sample : K5631-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE883

Quant Time: Nov 06 03:06:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 06 03:03:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	674790	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	652579	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	207518	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	197206	36.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.36%
7) Chloroethane-d5	1.93	69	180548	41.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.96%
11) 1,1-Dichloroethene-d2	2.60	63	265280	31.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.60%
21) 2-Butanone-d5	4.69	46	292095	91.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.75%
24) Chloroform-d	5.11	84	388690	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
26) 1,2-Dichloroethane-d4	5.75	65	238896	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.66%
32) Benzene-d6	5.77	84	803224	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
36) 1,2-Dichloropropane-d6	6.74	67	266829	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.74%
41) Toluene-d8	7.93	98	724964	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%
43) trans-1,3-Dichloropropene-	8.22	79	115800	45.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.14%
47) 2-Hexanone-d5	8.68	63	193714	91.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.62%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	361278	46.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.10%
64) 1,2-Dichlorobenzene-d4	12.22	152	205360	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%

Target Compounds

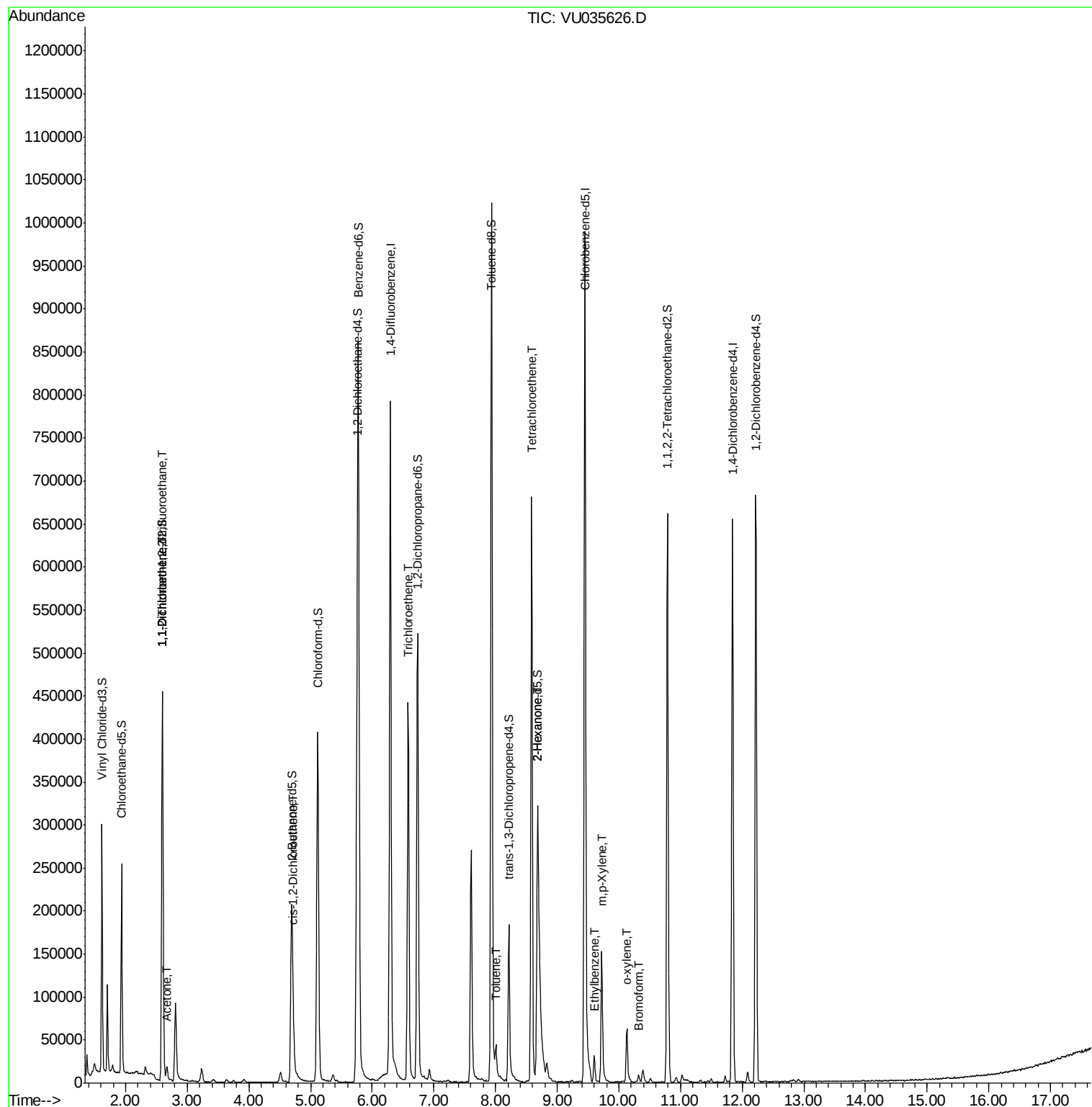
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4823	1.149	ug/L #	52
12) 1,1-Dichloroethene	2.61	96	8979	2.178	ug/L #	1
13) Acetone	2.67	43	16580	5.919	ug/L	97
20) cis-1,2-Dichloroethene	4.72	96	17244	3.522	ug/L	97
34) Trichloroethene	6.58	95	153753	32.976	ug/L	97
42) Toluene	8.01	91	23189	1.206	ug/L	96
46) Tetrachloroethene	8.58	164	167223	42.892	ug/L	99
48) 2-Hexanone	8.68	43	15833	2.963	ug/L #	48
52) Ethylbenzene	9.60	91	23484	1.143	ug/L	98
53) m,p-Xylene	9.72	106	48802	6.329	ug/L	96
54) o-xylene	10.13	106	18377	2.438	ug/L	92
61) Bromoform	10.32	173	4334	1.369	ug/L #	90

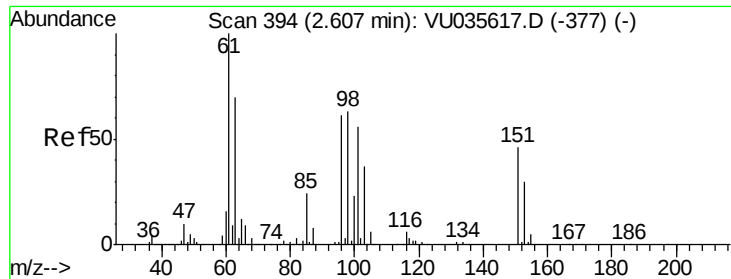
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 1.149 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035626.D

Acq: 05 Nov 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

BE883

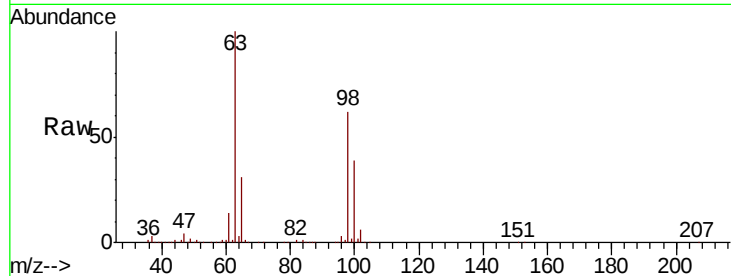
Tot Ion:101 Resp: 4823

Ion Ratio Lower Upper

101 100

85 18.2 34.0 51.0#

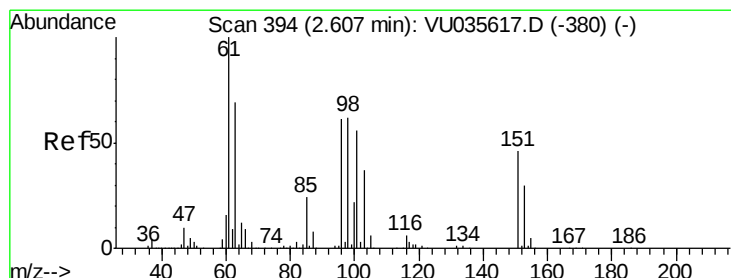
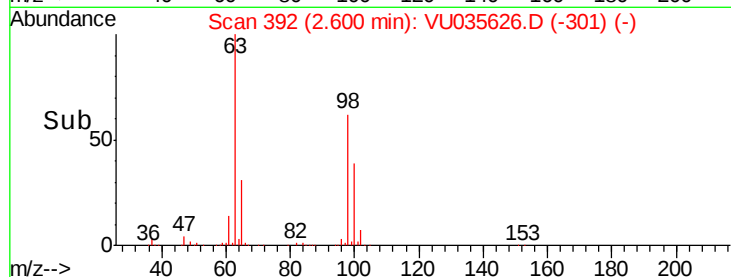
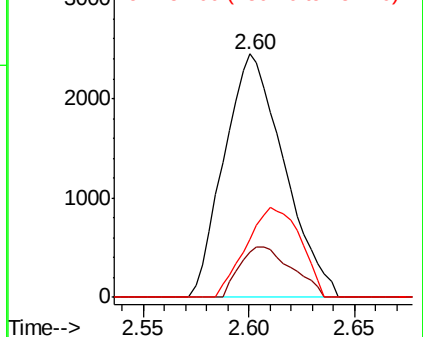
151 33.6 64.2 96.4#



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



#12

1,1-Dichloroethene

Concen: 2.178 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035626.D

Acq: 05 Nov 2019 13:28

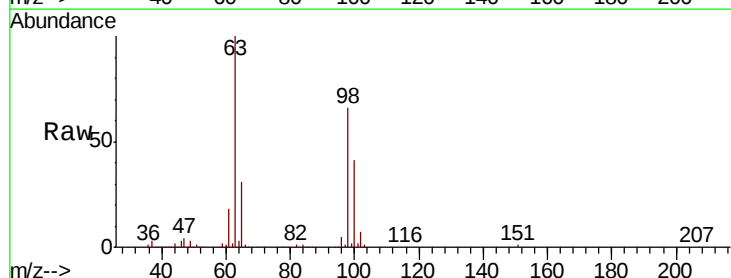
Tgt Ion: 96 Resp: 8979

Ion Ratio Lower Upper

96 100

61 385.6 113.1 210.1#

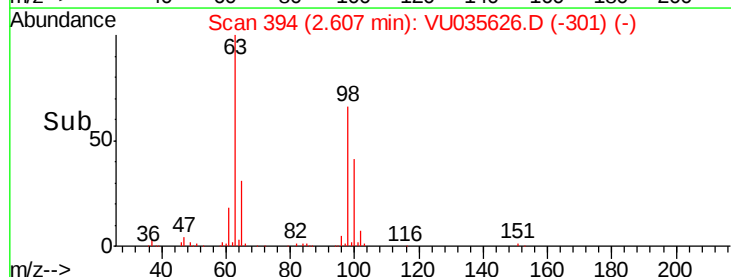
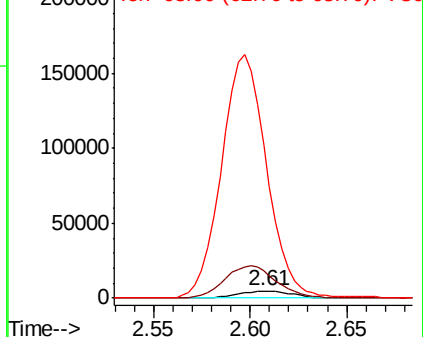
63 2191.4 76.2 141.4#

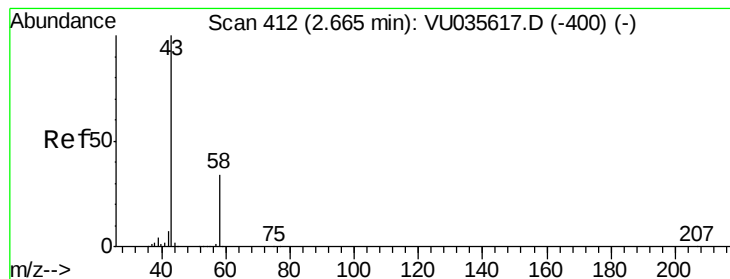


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.919 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU035626.D

Acq: 05 Nov 2019 13:28

Instrument :

MSVOA_U

ClientSampled :

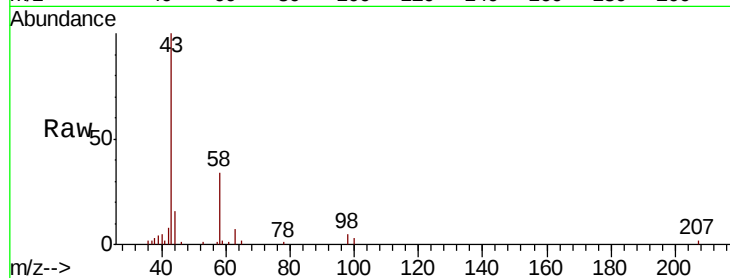
BE883

Tot Ion: 43 Resp: 16580

Ion Ratio Lower Upper

43 100

58 36.9 0.0 70.0



Abundance Ion 43.00 (42.70 to 43.70): VU035617.D (-400) (-)

Ion 58.00 (57.70 to 58.70): VU035617.D (-400) (-)

2.67

10000

8000

6000

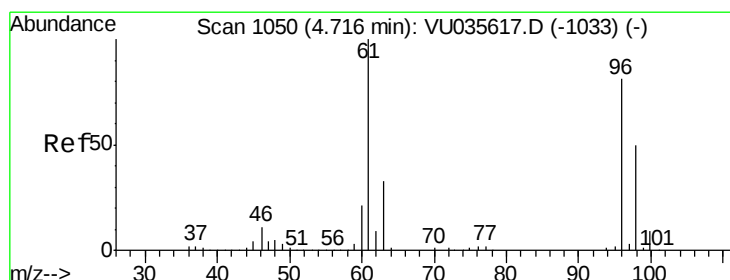
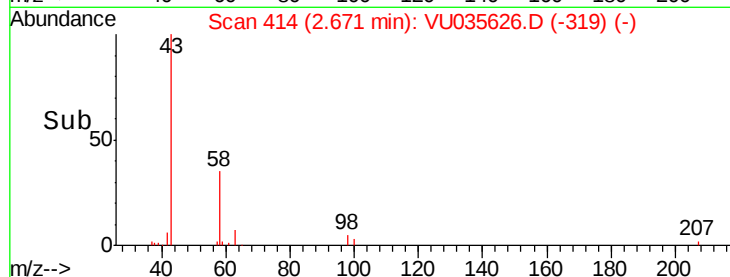
4000

2000

0

Time-->

2.60 2.65 2.70



#20

cis-1,2-Dichloroethene

Concen: 3.522 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035626.D

Acq: 05 Nov 2019 13:28

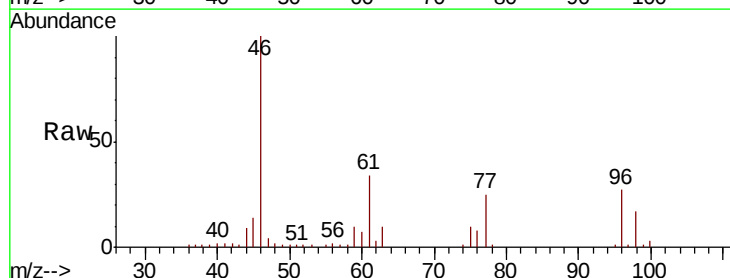
Tgt Ion: 96 Resp: 17244

Ion Ratio Lower Upper

96 100

61 126.4 90.6 168.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035617.D (-1033) (-)

Ion 61.00 (60.70 to 61.70): VU035617.D (-1033) (-)

Ion 68.00 (67.70 to 68.70): VU035617.D (-1033) (-)

4.72

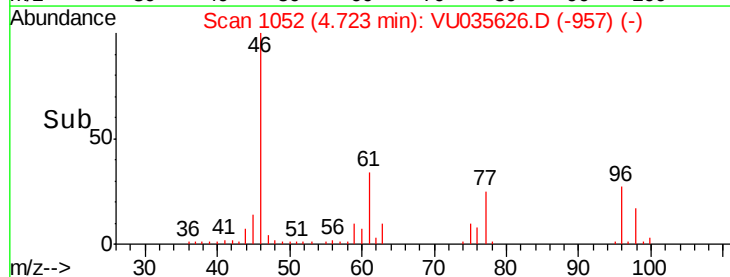
10000

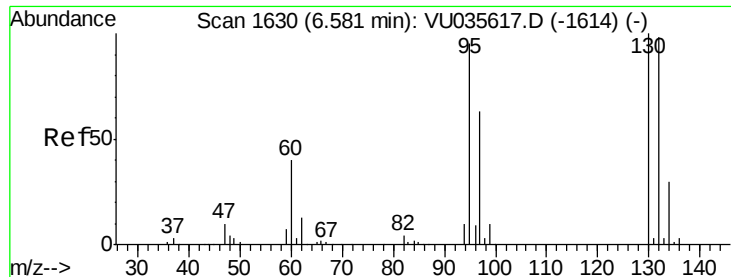
5000

0

Time-->

4.65 4.70 4.75 4.80

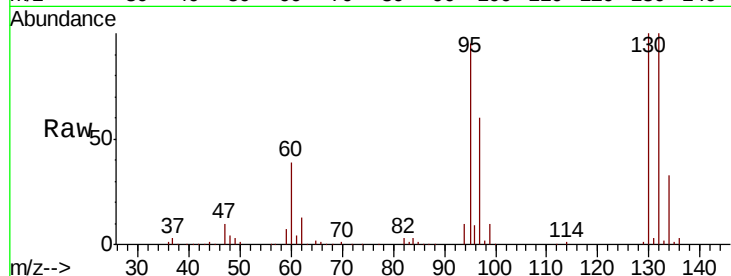




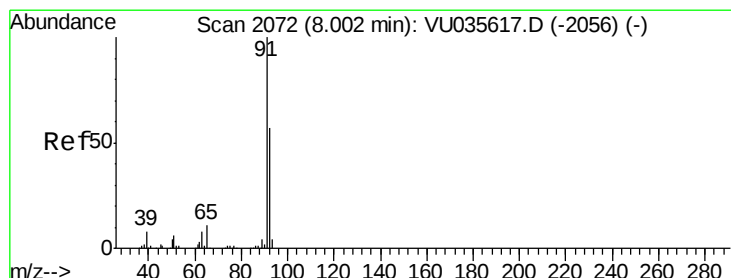
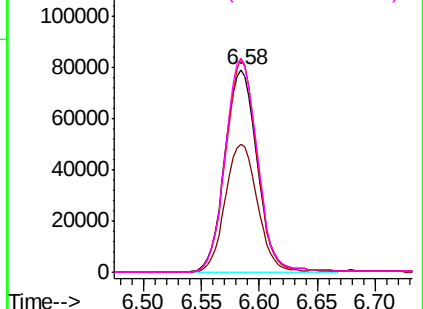
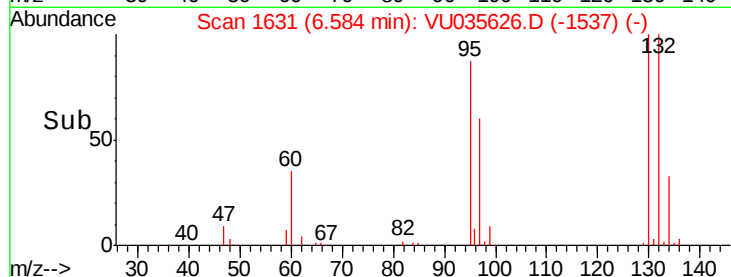
#34
 Trichloroethene
 Concen: 32.976 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035626.D
 Acq: 05 Nov 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 BE883

Tot Ion: 95 Resp: 153753
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.6 84.6
 132 105.4 69.9 129.7
 130 105.2 73.1 135.7

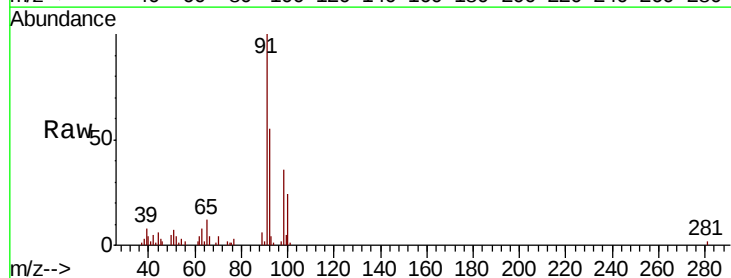


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

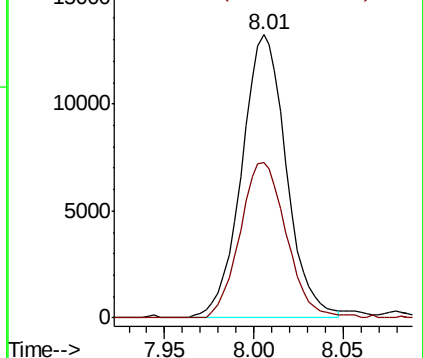
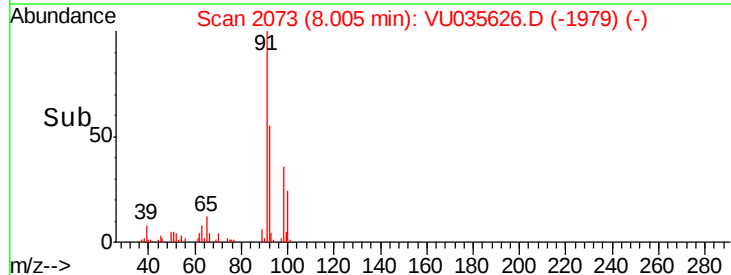


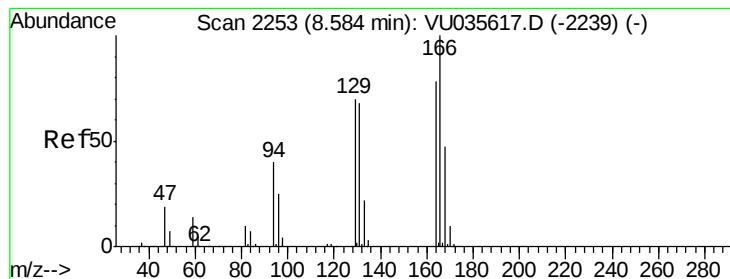
#42
 Toluene
 Concen: 1.206 ug/L
 RT: 8.01 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VU035626.D
 Acq: 05 Nov 2019 13:28

Tgt Ion: 91 Resp: 23189
 Ion Ratio Lower Upper
 91 100
 92 55.0 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 42.892 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035626.D

Acq: 05 Nov 2019 13:28

Instrument :

MSVOA_U

ClientSampleID :

BE883

Tot Ion:164 Resp: 167223

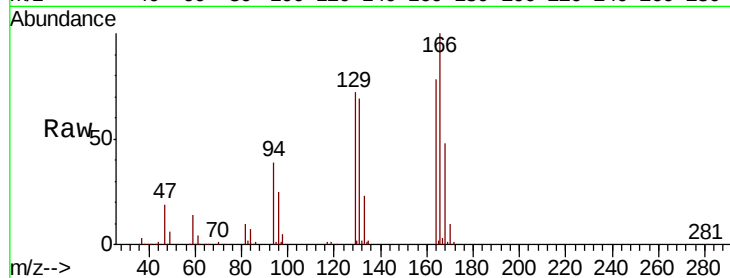
Ion Ratio Lower Upper

164 100

129 91.9 64.1 119.1

131 88.2 63.1 117.1

166 128.5 88.5 164.3

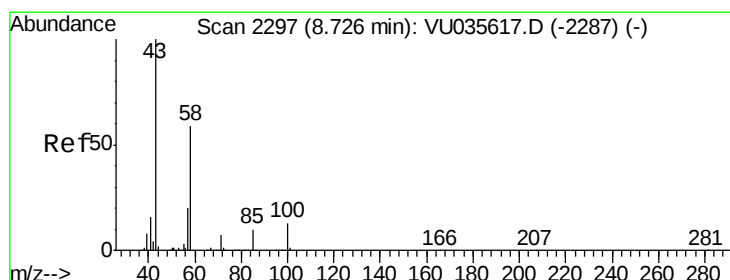
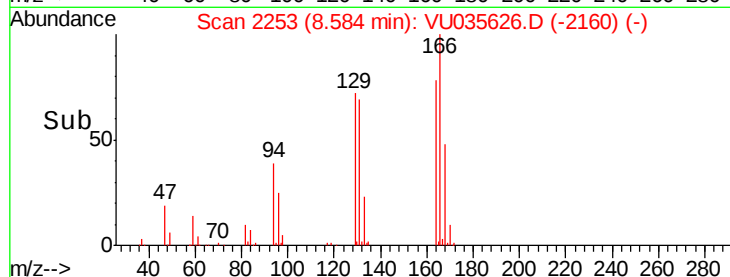
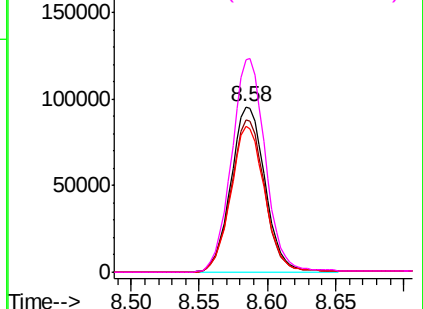


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.963 ug/L

RT: 8.68 min Scan# 2284

Delta R.T. -0.04 min

Lab File: VU035626.D

Acq: 05 Nov 2019 13:28

Tgt Ion: 43 Resp: 15833

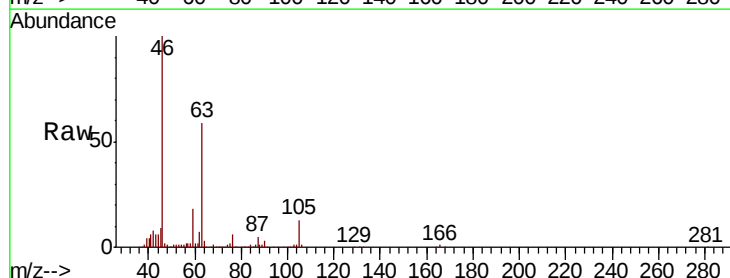
Ion Ratio Lower Upper

43 100

58 16.1 50.4 75.6#

57 41.5 17.4 26.0#

100 1.2 10.5 15.7#

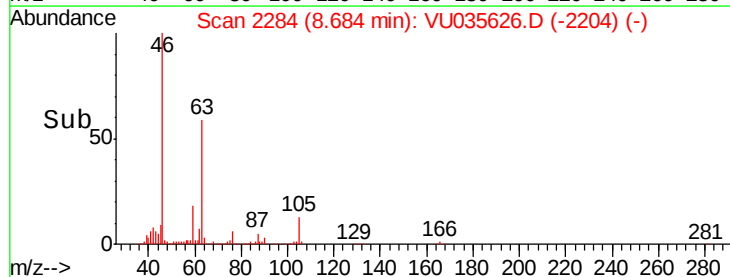
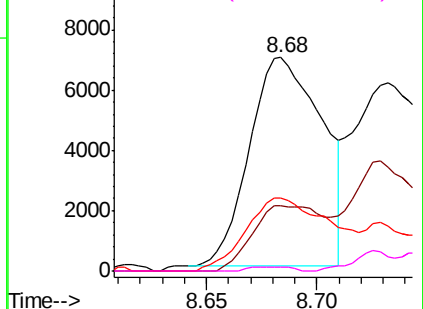


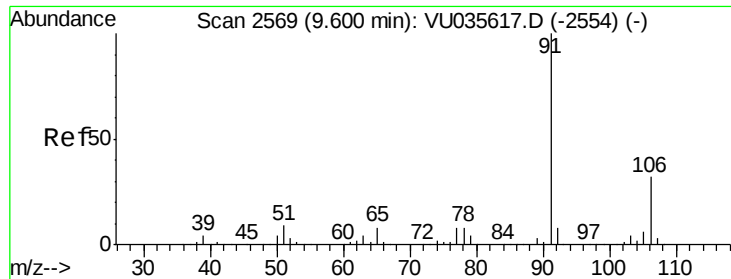
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Ethylbenzene

Concen: 1.143 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035626.D

Acq: 05 Nov 2019 13:28

Instrument :

MSVOA_U

ClientSampled :

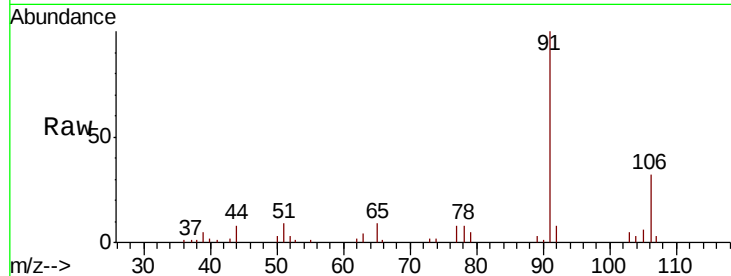
BE883

Tot Ion: 91 Resp: 23484

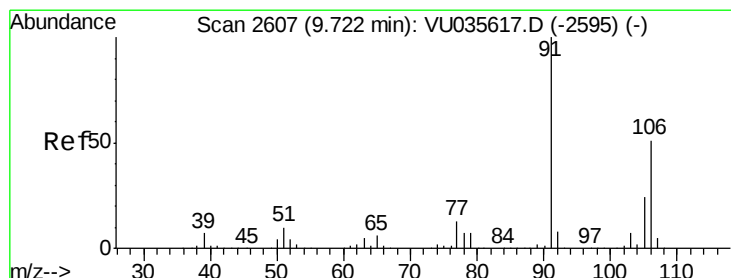
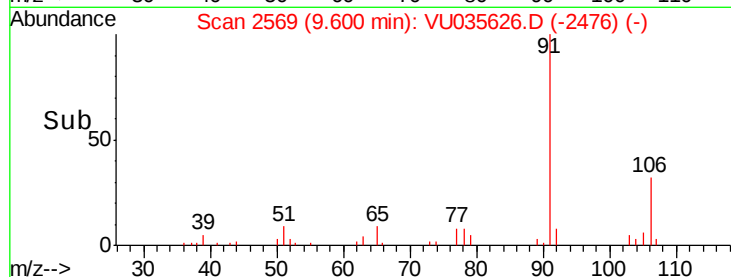
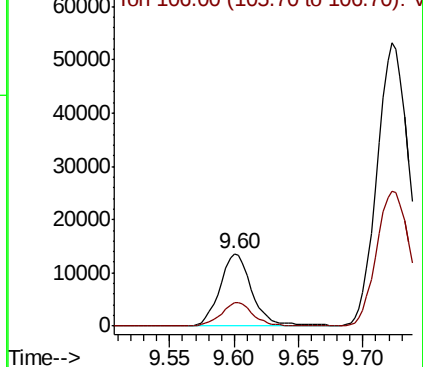
Ion Ratio Lower Upper

91 100

106 31.9 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU035617.D (-2554) (-)



#53

m,p-Xylene

Concen: 6.329 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035626.D

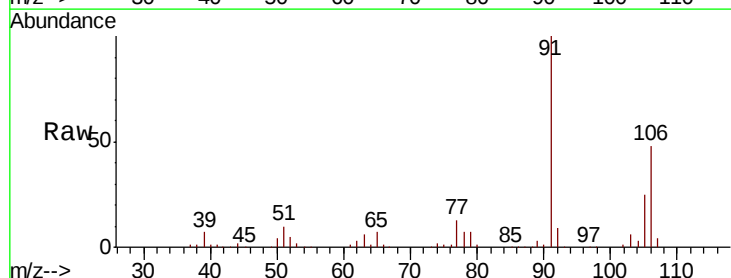
Acq: 05 Nov 2019 13:28

Tgt Ion: 106 Resp: 48802

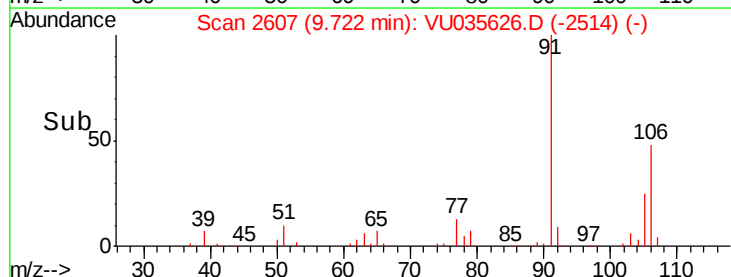
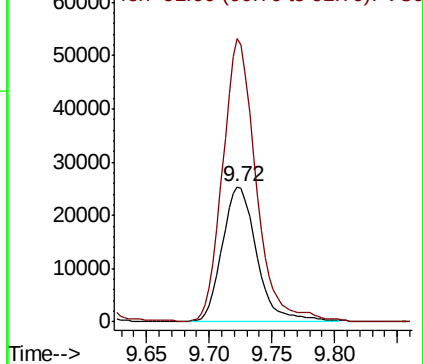
Ion Ratio Lower Upper

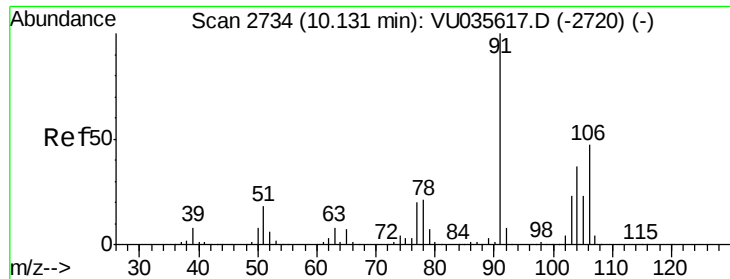
106 100

91 209.7 142.7 264.9



Abundance Ion 106.00 (105.70 to 106.70): VU035617.D (-2595) (-)





#54

o-xylene

Concen: 2.438 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU035626.D

Acq: 05 Nov 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

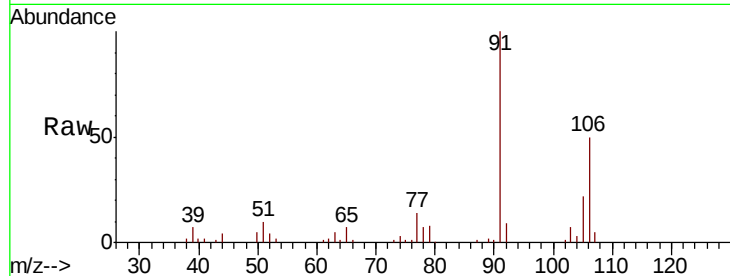
BE883

Tot Ion:106 Resp: 18377

Ion Ratio Lower Upper

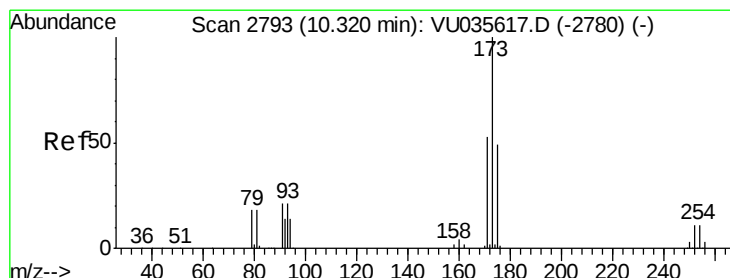
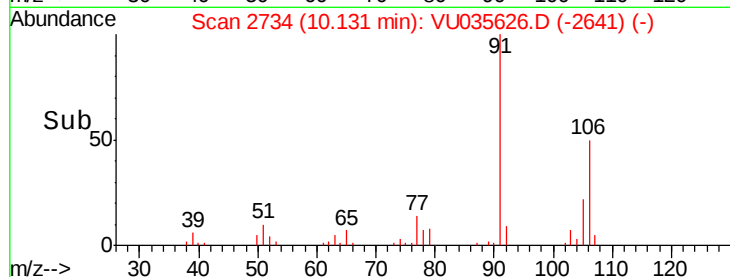
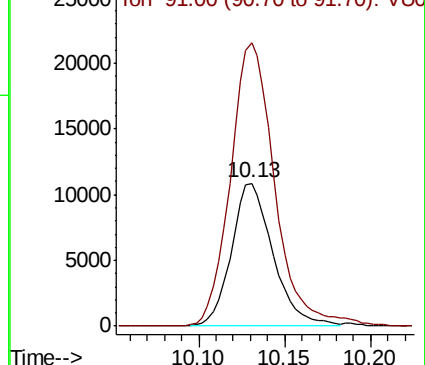
106 100

91 198.2 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#61

Bromoform

Concen: 1.369 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035626.D

Acq: 05 Nov 2019 13:28

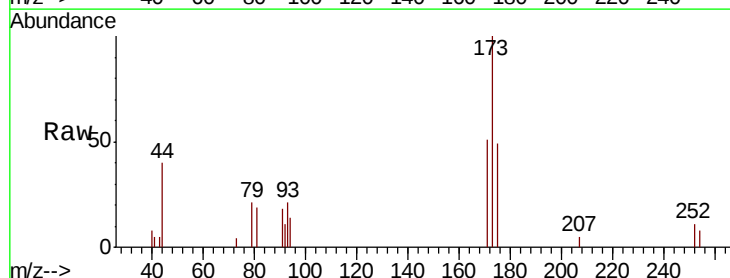
Tgt Ion:173 Resp: 4334

Ion Ratio Lower Upper

173 100

175 43.3 39.4 59.0

254 3.9 8.1 12.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

