

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122719\
 Data File : VU036356.D
 Acq On : 27 Dec 2019 15:49
 Operator : JC/MD
 Sample : VU1227WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:10:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 28 00:08:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	540638	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	527131	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	223307	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	193461	45.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.84%
7) Chloroethane-d5	1.93	69	161100	45.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.68%
11) 1,1-Dichloroethene-d2	2.77	63	364	0.05	ug/L	0.18
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.10%#
21) 2-Butanone-d5	4.68	46	268556	85.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.61%
24) Chloroform-d	5.11	84	332544	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.46%
26) 1,2-Dichloroethane-d4	5.74	65	228139	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
32) Benzene-d6	5.77	84	683331	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
36) 1,2-Dichloropropane-d6	6.73	67	226207	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.92%
41) Toluene-d8	7.93	98	645900	45.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.70%
43) trans-1,3-Dichloropropene-	8.21	79	121795	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.20%
47) 2-Hexanone-d5	8.67	63	215522	84.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.90%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	328168	43.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.92%
64) 1,2-Dichlorobenzene-d4	12.22	152	221888	47.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.74%

Target Compounds

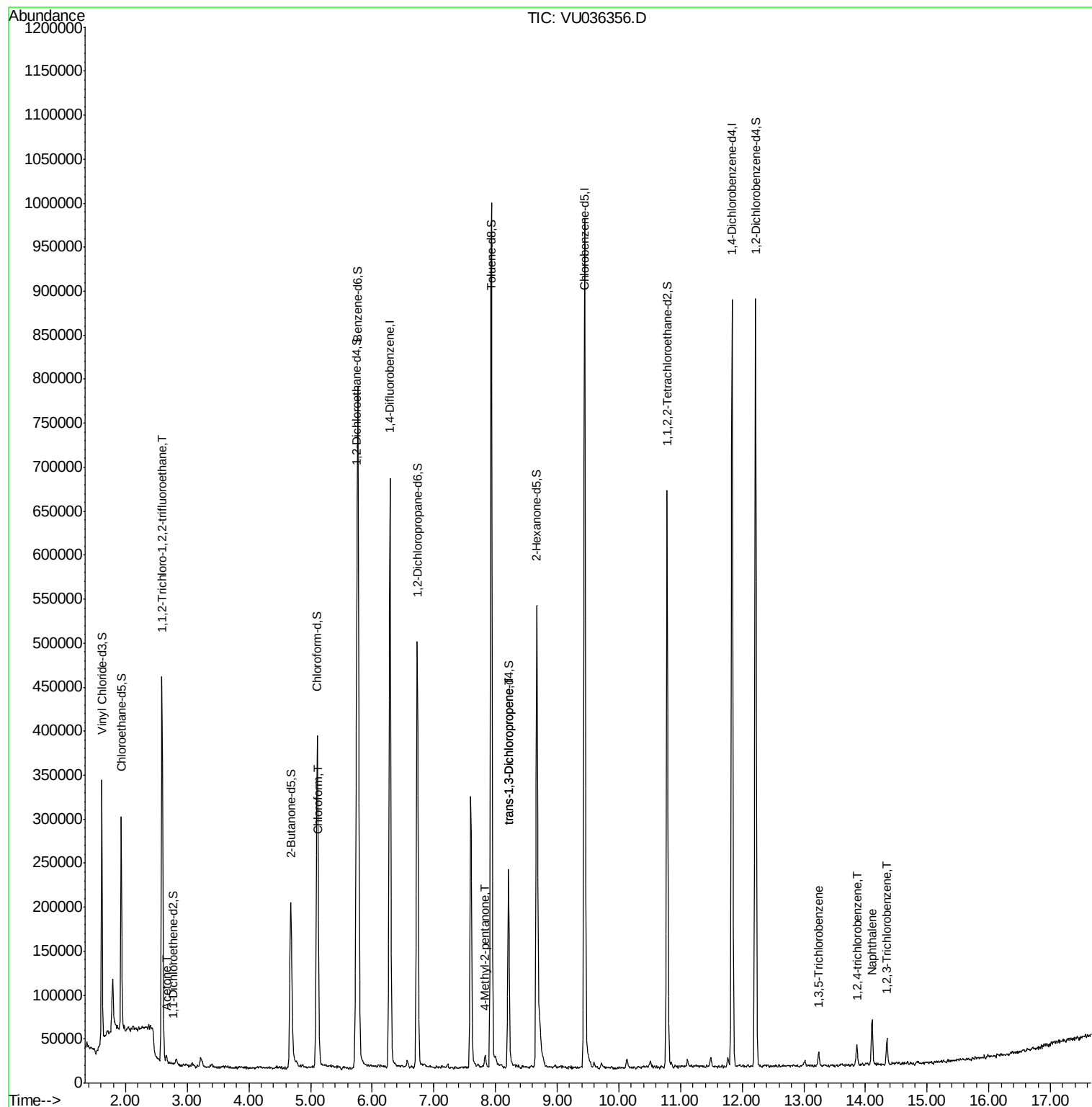
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2833	0.893	ug/L #	26
13) Acetone	2.66	43	7966	2.448	ug/L	82
25) Chloroform	5.13	83	9117	1.264	ug/L	77
40) 4-Methyl-2-pentanone	7.83	43	12786	1.794	ug/L #	87
44) trans-1,3-Dichloropropene	8.21	75	6516	0.996	ug/L #	74
67) 1,3,5-Trichlorobenzene	13.24	180	4145	0.865	ug/L	95
68) 1,2,4-trichlorobenzene	13.86	180	6826	1.880	ug/L	96
69) Naphthalene	14.11	128	39781	3.188	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	7716	2.023	ug/L	98

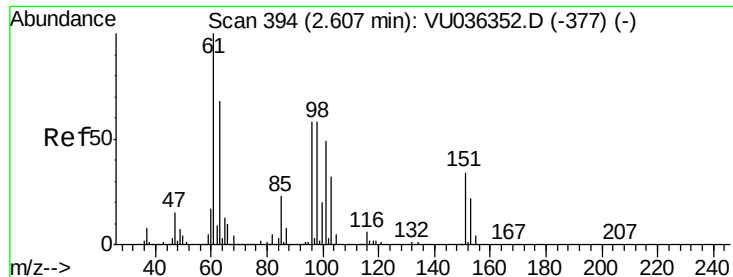
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

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Quant Time: Dec 28 00:10:50 2019
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Quant Title : VOC Analysis
QLast Update : Sat Dec 28 00:08:06 2019
Response via : Initial Calibration





#10

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

Concen: 0.893 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036356.D

Acq: 27 Dec 2019 15:49

Instrument :

MSVOA_U

ClientSampleId :

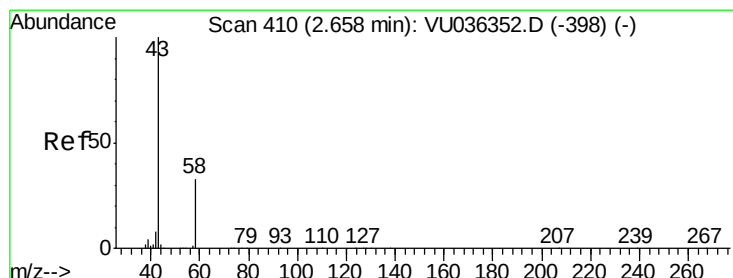
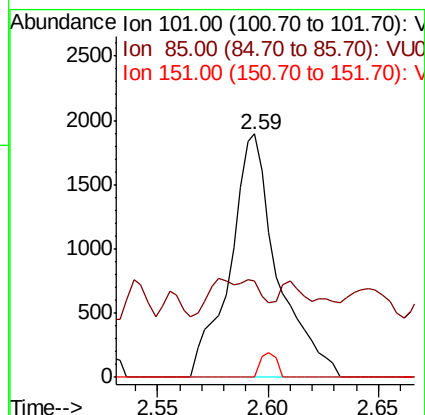
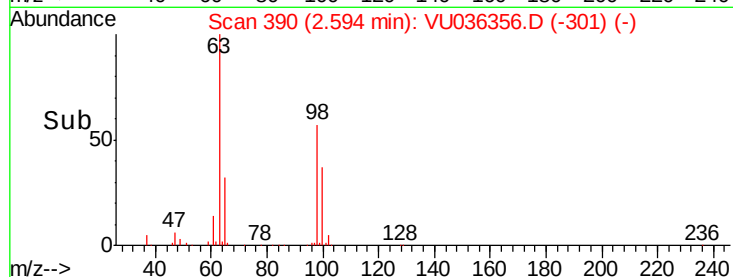
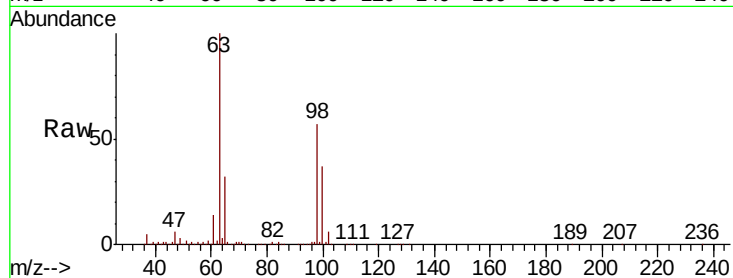
Tot Ion:101 Resp: 2833

Ion Ratio Lower Upper

101 100

85 3.5 37.1 55.7#

151 3.4 54.3 81.5#



#13

Acetone

Concen: 2.448 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036356.D

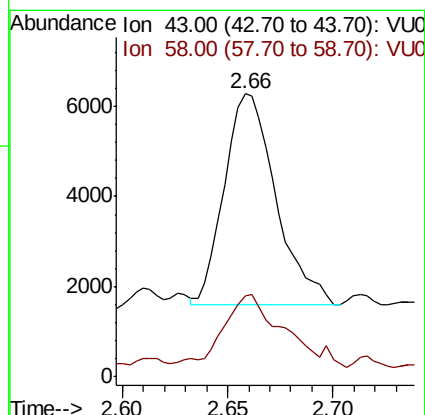
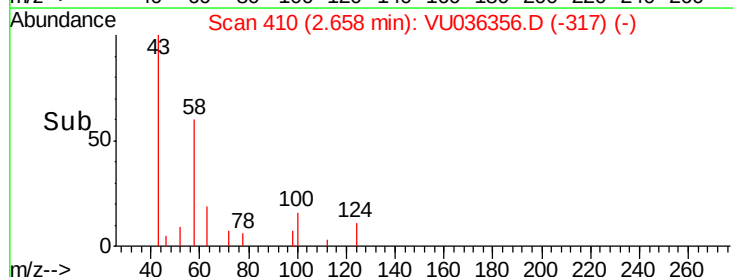
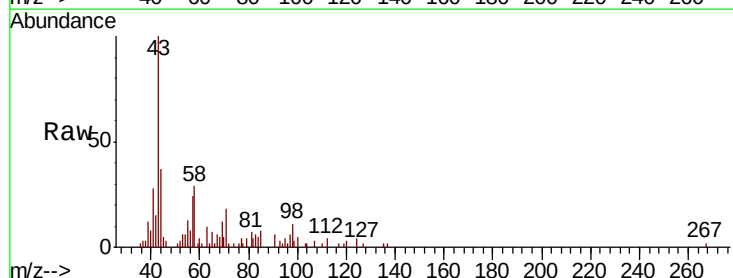
Acq: 27 Dec 2019 15:49

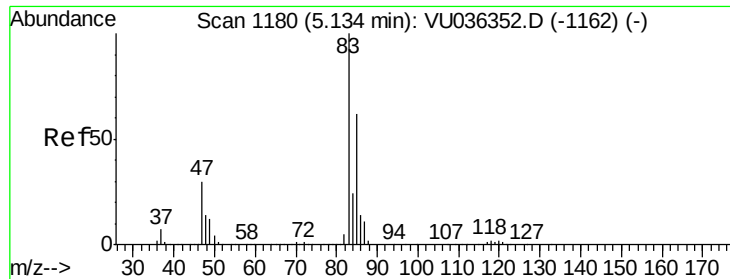
Tgt Ion: 43 Resp: 7966

Ion Ratio Lower Upper

43 100

58 23.0 0.0 66.2

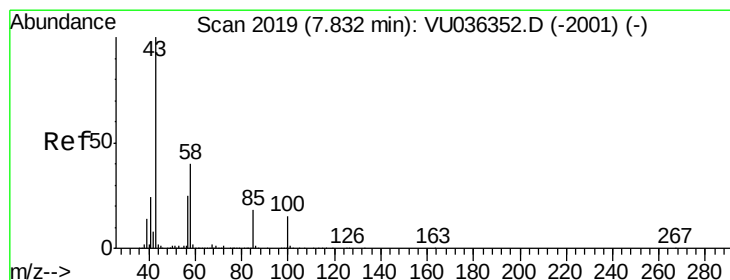
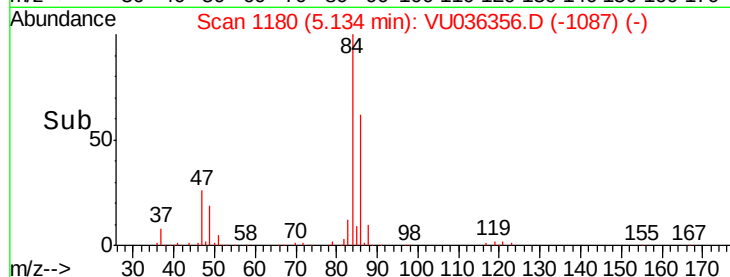
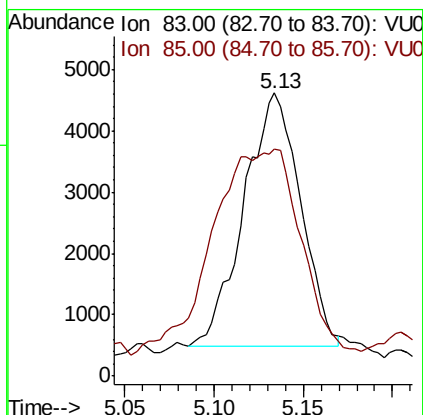
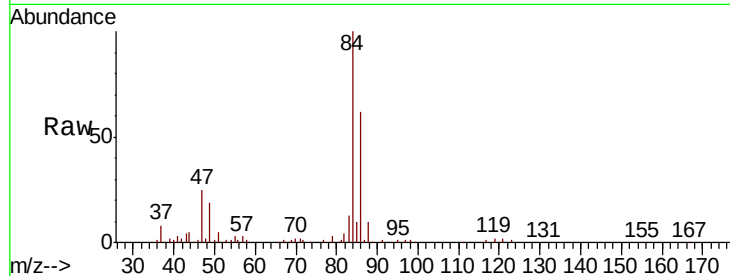




#25
Chloroform
Concen: 1.264 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036356.D
Acq: 27 Dec 2019 15:49

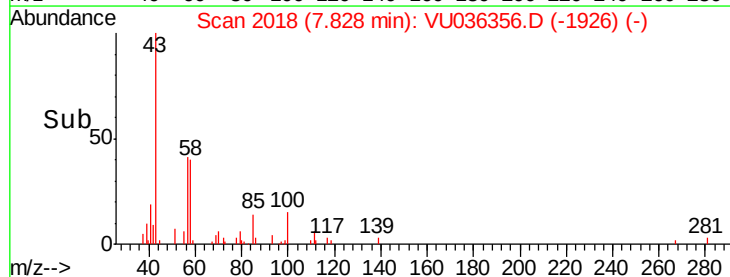
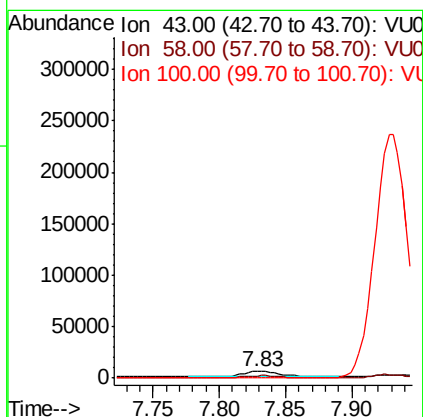
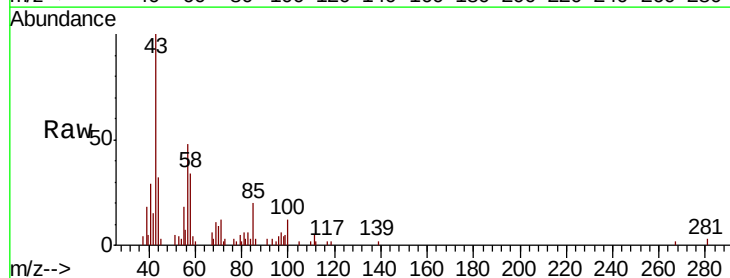
Instrument :
MSVOA_U
ClientSampleId :

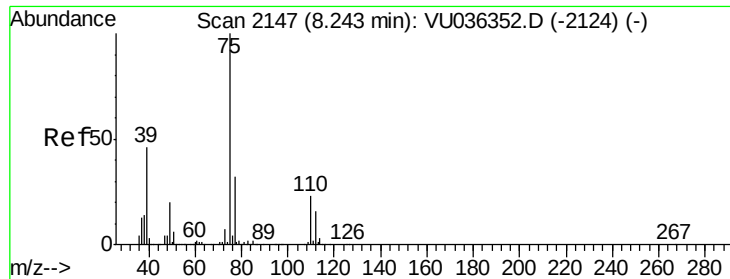
Tot Ion: 83 Resp: 9117
Ion Ratio Lower Upper
83 100
85 80.3 43.9 81.5



#40
4-Methyl-2-pentanone
Concen: 1.794 ug/L
RT: 7.83 min Scan# 2018
Delta R.T. -0.00 min
Lab File: VU036356.D
Acq: 27 Dec 2019 15:49

Tgt Ion: 43 Resp: 12786
Ion Ratio Lower Upper
43 100
58 30.0 31.6 47.4#
100 12.4 11.6 17.4





#44

trans-1,3-Dichloropropene

Concen: 0.996 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.03 min

Lab File: VU036356.D

Acq: 27 Dec 2019 15:49

Instrument :

MSVOA_U

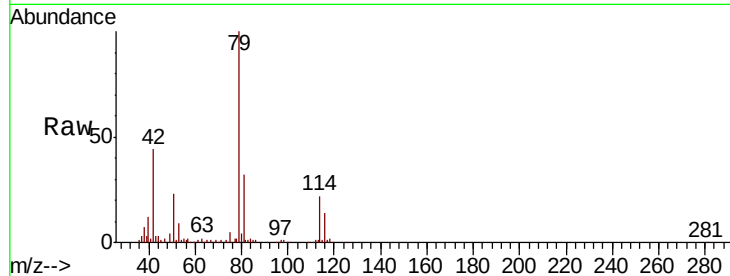
ClientSampleId :

Tot Ion: 75 Resp: 6516

Ion Ratio Lower Upper

75 100

77 46.9 22.5 41.9#

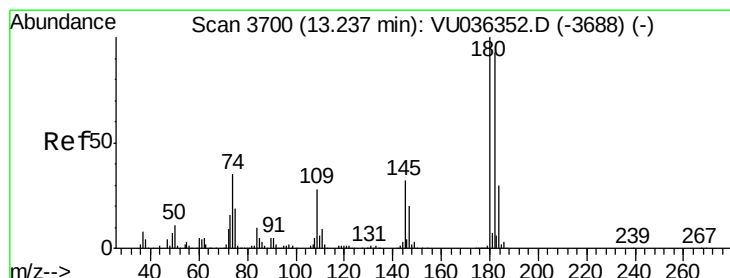
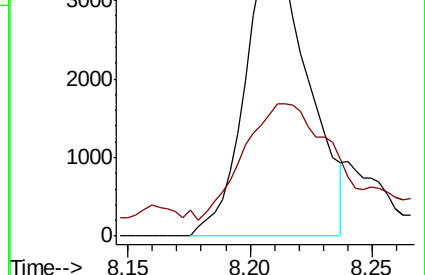
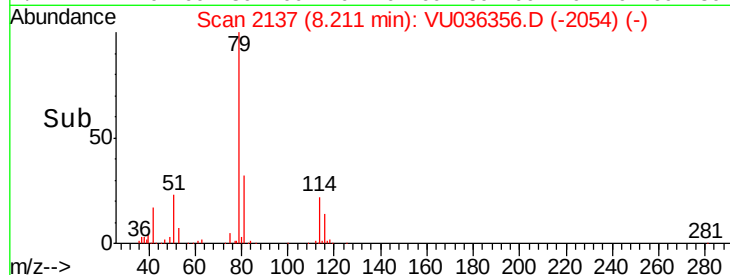


Abundance Ion 75.00 (74.70 to 75.70): VU036352.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU036352.D (-2124) (-)

8.21

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 0.865 ug/L

RT: 13.24 min Scan# 3702

Delta R.T. 0.01 min

Lab File: VU036356.D

Acq: 27 Dec 2019 15:49

Tgt Ion: 180 Resp: 4145

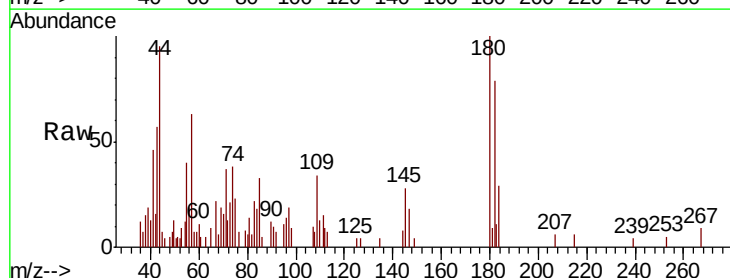
Ion Ratio Lower Upper

180 100

182 89.1 74.6 112.0

184 26.6 23.9 35.9

145 28.1 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): VU036352.D (-3688) (-)

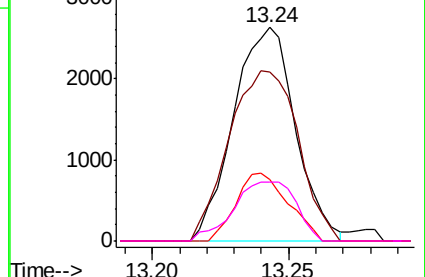
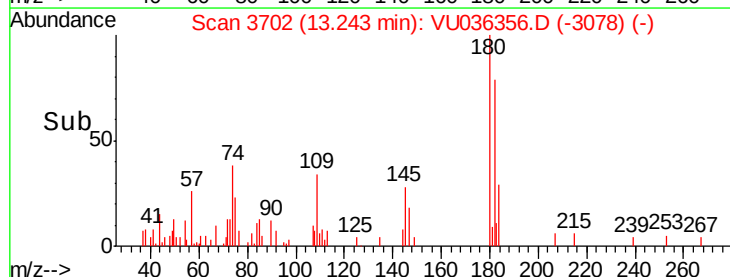
Ion 182.00 (181.70 to 182.70): VU036352.D (-3688) (-)

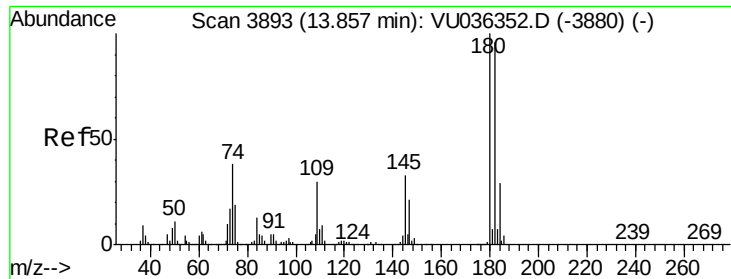
Ion 184.00 (183.70 to 184.70): VU036352.D (-3688) (-)

Ion 145.00 (144.70 to 145.70): VU036352.D (-3688) (-)

13.24

Time-->

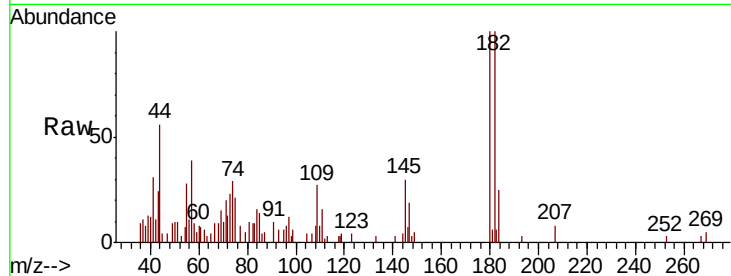




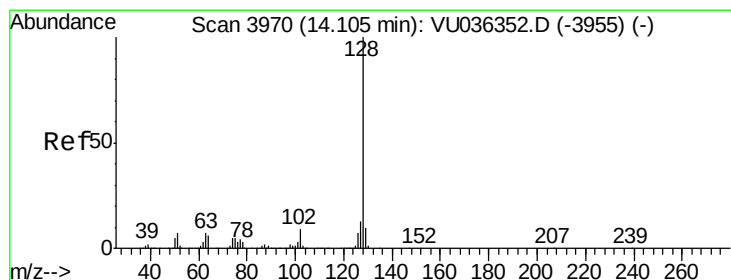
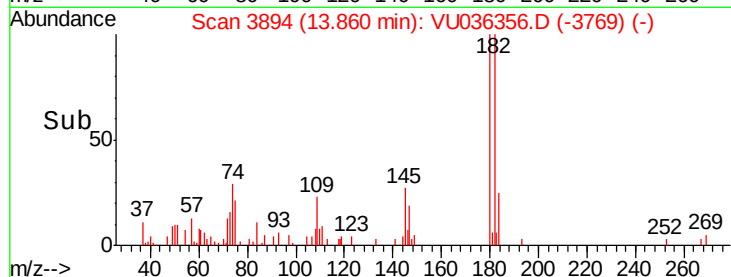
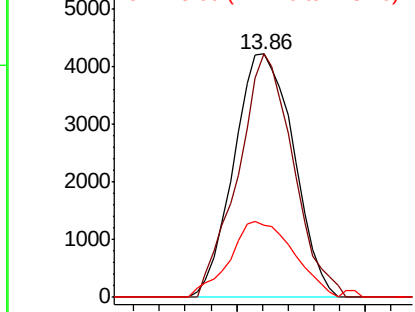
#68
 1,2,4-trichlorobenzene
 Concen: 1.880 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036356.D
 Acq: 27 Dec 2019 15:49

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 6826
 Ion Ratio Lower Upper
 180 100
 182 92.4 78.0 117.0
 145 33.5 26.0 39.0

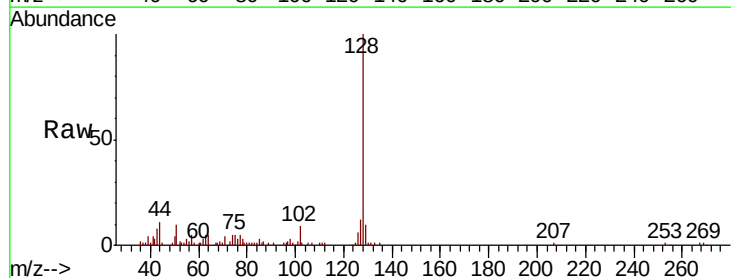


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

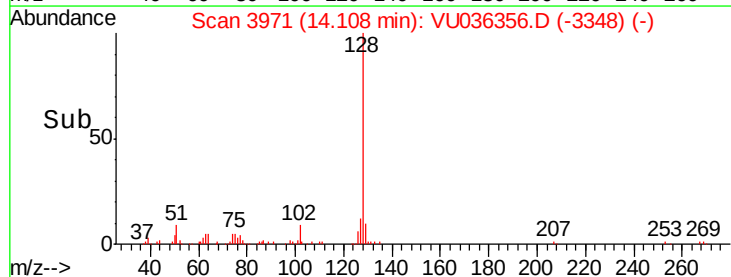
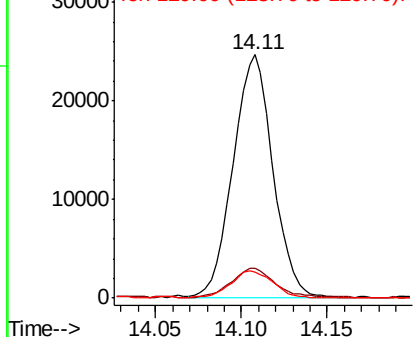


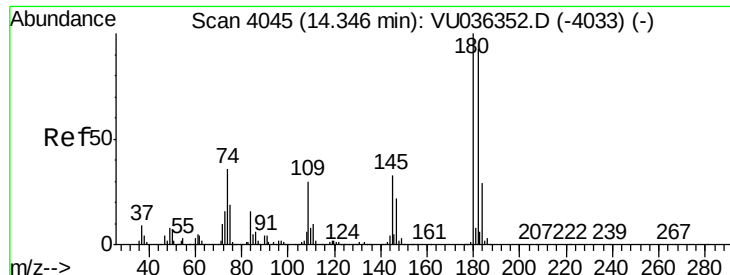
#69
 Naphthalene
 Concen: 3.188 ug/L
 RT: 14.11 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VU036356.D
 Acq: 27 Dec 2019 15:49

Tgt Ion:128 Resp: 39781
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.5 15.7
 129 11.8 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

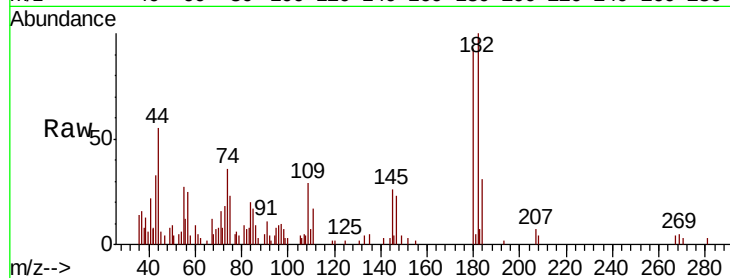




#70
 1,2,3-Trichlorobenzene
 Concen: 2.023 ug/L
 RT: 14.35 min Scan# 4047
 Delta R.T. 0.01 min
 Lab File: VU036356.D
 Acq: 27 Dec 2019 15:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.4	113.2
145	32.1	27.1	40.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

