

Data File : VU030077.D
Acq On : 14 Mar 2019 16:33
Operator : JC/SP
Sample : VU0315WBL04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK31

Quant Time: Mar 15 02:47:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 02:44:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	485094	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	464385	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	221527	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	161879	50.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.90%
7) Chloroethane-d5	1.68	69	133348	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.96%
11) 1,1-Dichloroethene-d2	2.27	63	220790	38.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.24%
21) 2-Butanone-d5	4.17	46	236431	98.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.35%
24) Chloroform-d	4.64	84	292719	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.72%
26) 1,2-Dichloroethane-d4	5.31	65	170825	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.74%
32) Benzene-d6	5.34	84	639328	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.96%
36) 1,2-Dichloropropane-d6	6.33	67	198069	54.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.28%
41) Toluene-d8	7.56	98	580906	51.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.80%
43) trans-1,3-Dichloropropene-	7.85	79	83735	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.50%
47) 2-Hexanone-d5	8.31	63	210186	102.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.67%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282197	50.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	233257	54.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.70%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2361	0.741	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1922	0.632	ug/L #	1
39) cis-1,3-Dichloropropene	7.22	75	4740	0.871	ug/L #	56
44) trans-1,3-Dichloropropene	7.85	75	3825	0.770	ug/L #	78
48) 2-Hexanone	8.37	43	4744	1.178	ug/L #	91
63) 1,4-Dichlorobenzene	11.50	146	5396	0.742	ug/L	89
65) 1,2-Dichlorobenzene	11.88	146	5670	0.787	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	3995	0.787	ug/L	96
69) Naphthalene	13.76	128	11142	0.675	ug/L #	86
70) 1,2,3-Trichlorobenzene	13.99	180	3763	0.713	ug/L #	76

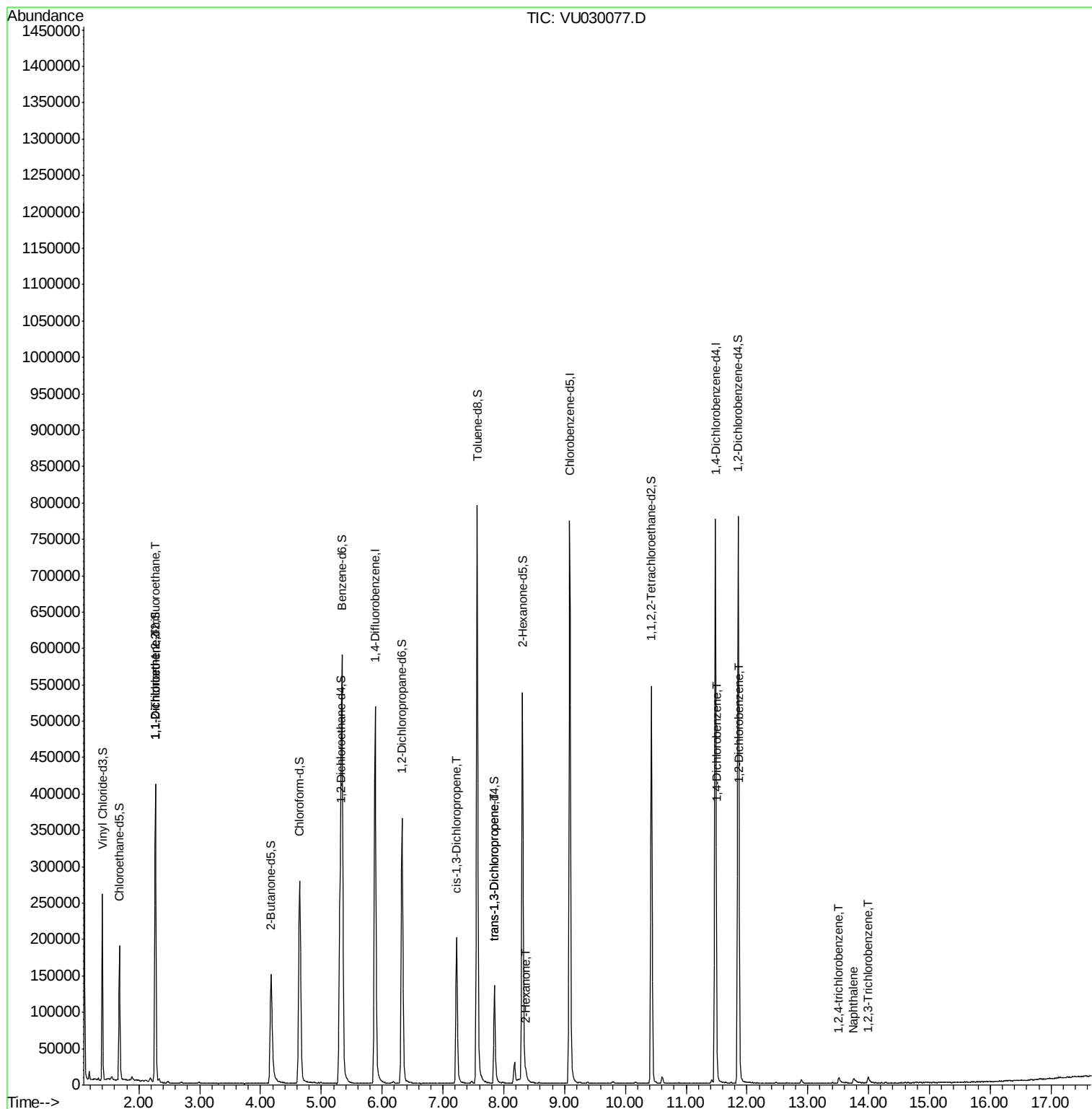
(#) = qualifier out of range (m) = manual integration (+) = signals summed

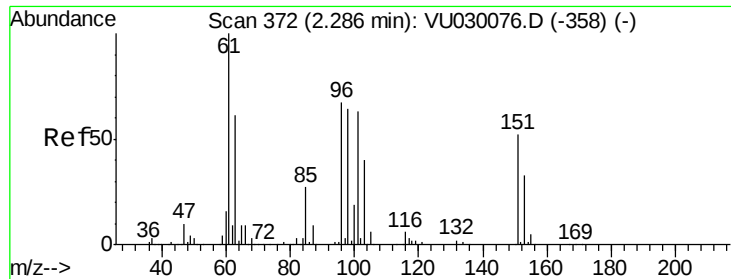
Data File : VU030077.D

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#10

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

Concen: 0.741 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030077.D

Acq: 14 Mar 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

VBLK31

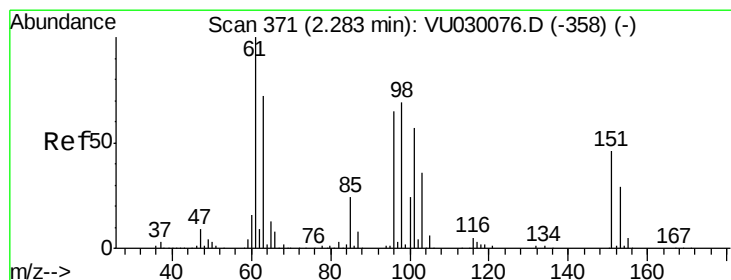
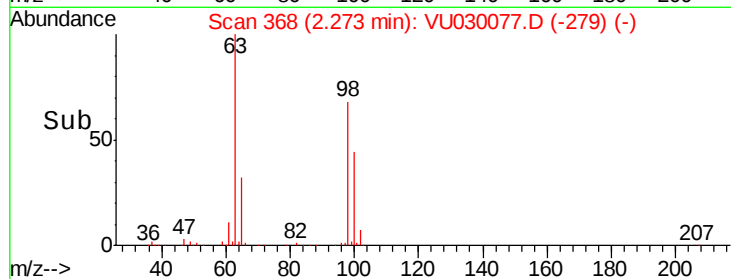
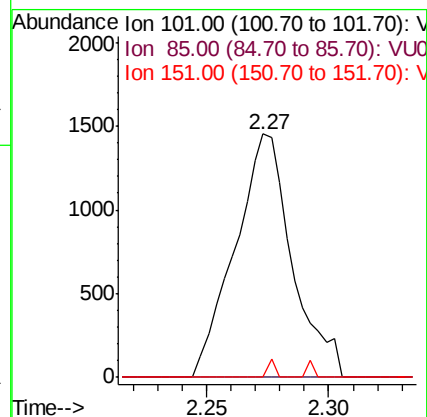
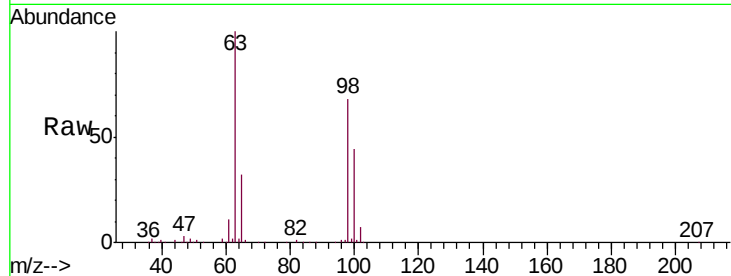
Tgt Ion: 101 Resp: 2361

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

151 0.0 66.1 99.1#



#12

1,1-Dichloroethene

Concen: 0.632 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030077.D

Acq: 14 Mar 2019 16:33

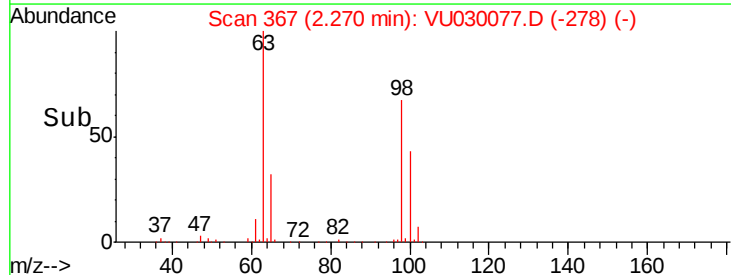
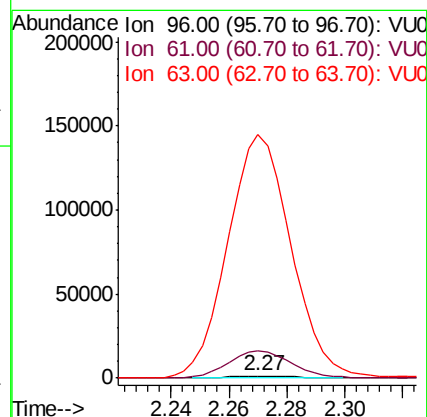
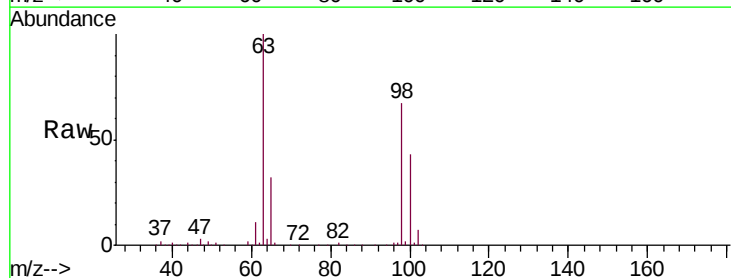
Tgt Ion: 96 Resp: 1922

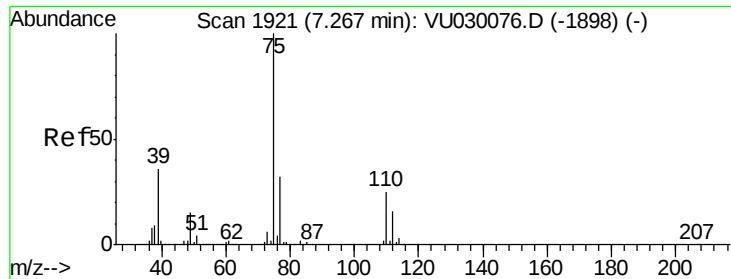
Ion Ratio Lower Upper

96 100

61 1342.9 110.4 205.0#

63 11755.8 86.5 160.7#

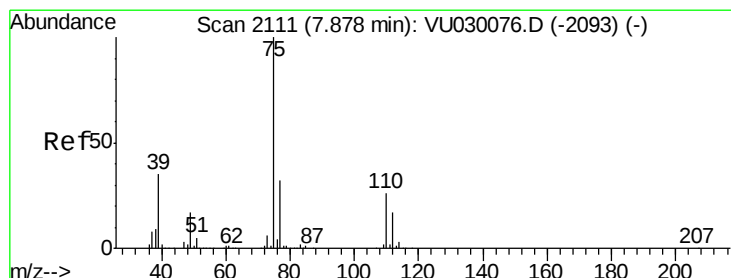
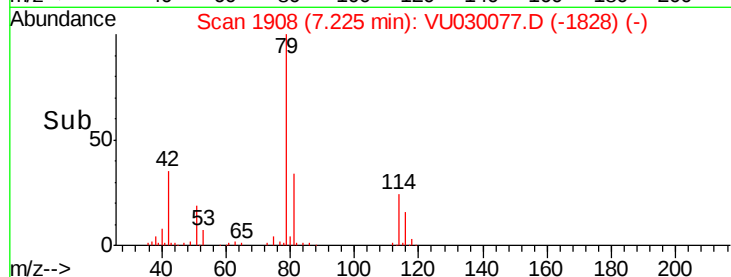
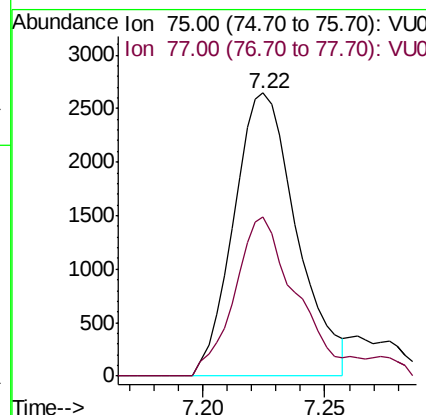
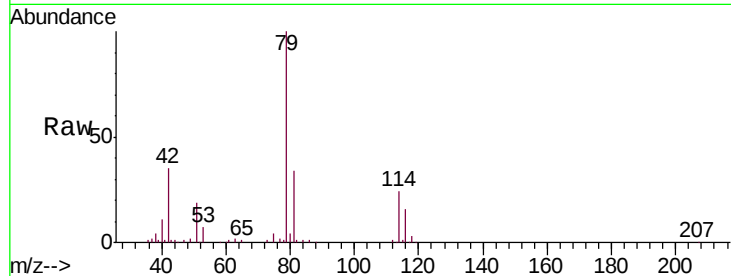




#39
 cis-1,3-Dichloropropene
 Concen: 0.871 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030077.D
 Acq: 14 Mar 2019 16:33

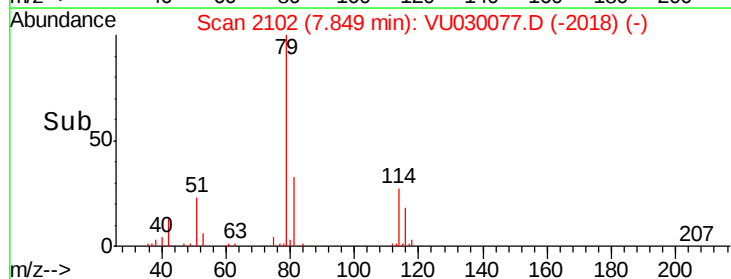
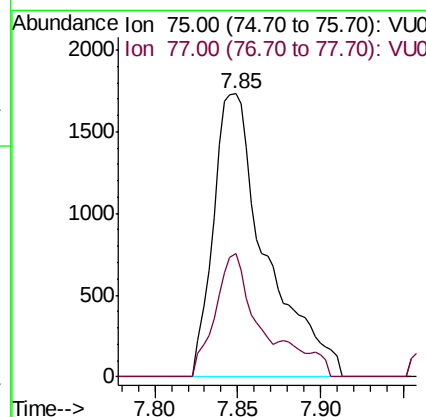
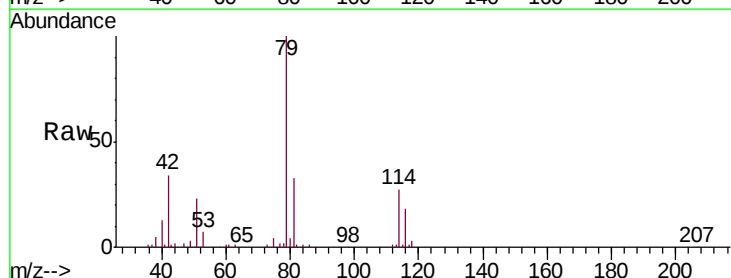
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK31

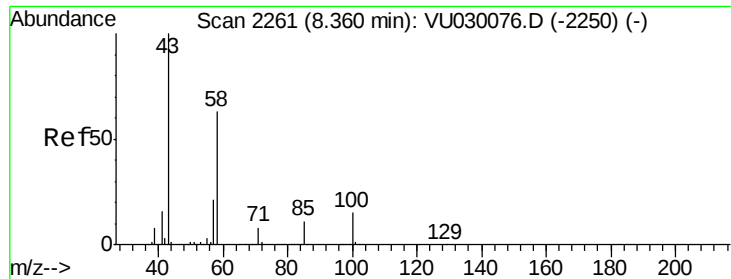
Tgt Ion: 75 Resp: 4740
 Ion Ratio Lower Upper
 75 100
 77 56.1 22.2 41.2#



#44
 trans-1,3-Dichloropropene
 Concen: 0.770 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU030077.D
 Acq: 14 Mar 2019 16:33

Tgt Ion: 75 Resp: 3825
 Ion Ratio Lower Upper
 75 100
 77 43.5 21.9 40.7#

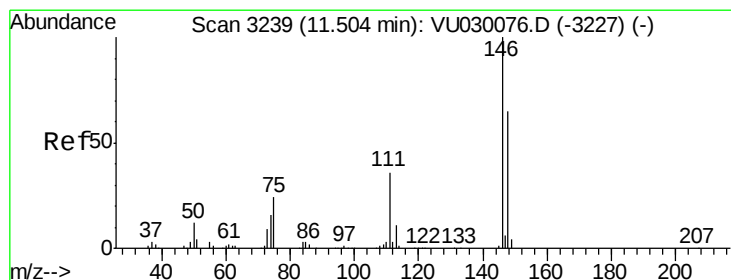
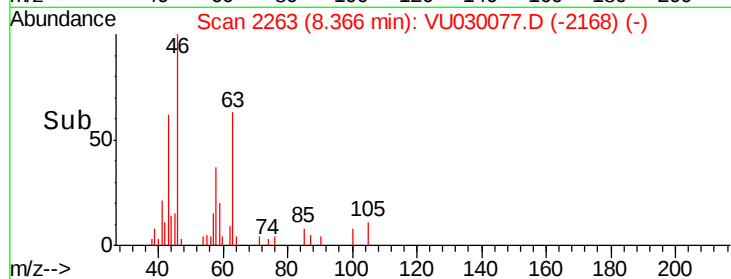
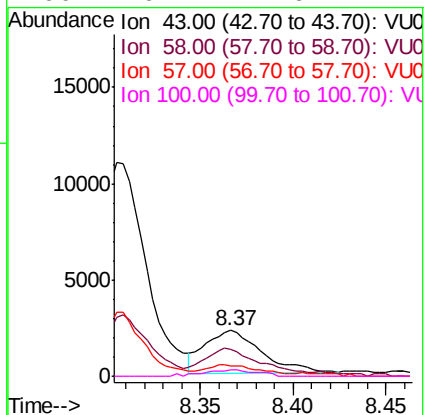
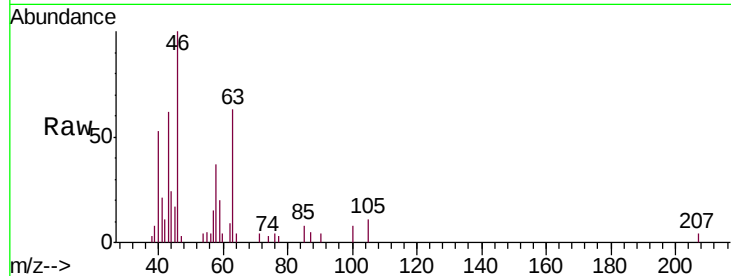




#48
2-Hexanone
Concen: 1.178 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030077.D
Acq: 14 Mar 2019 16:33

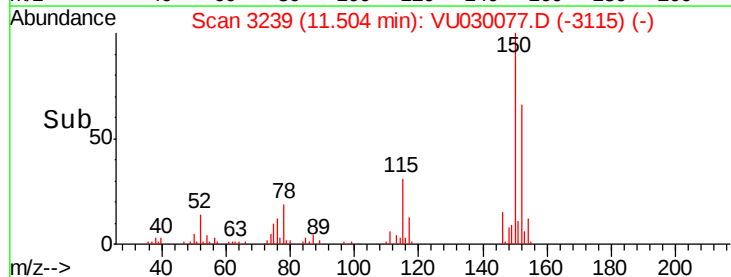
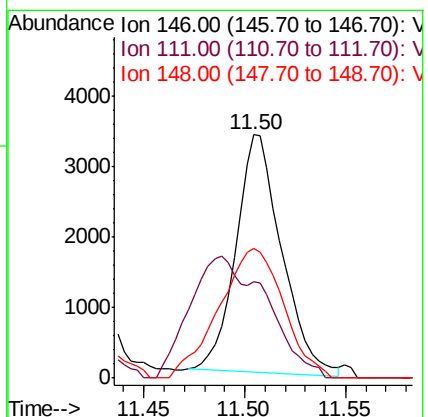
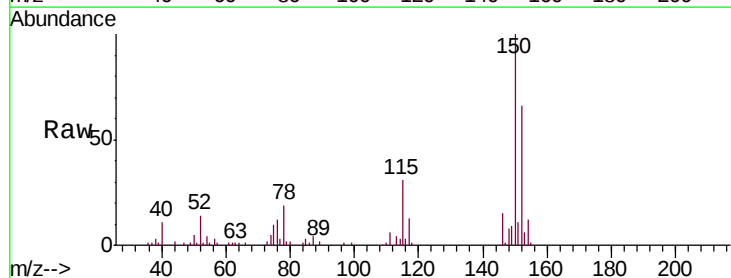
Instrument :
MSVOA_U
ClientSampleId :
VBLK31

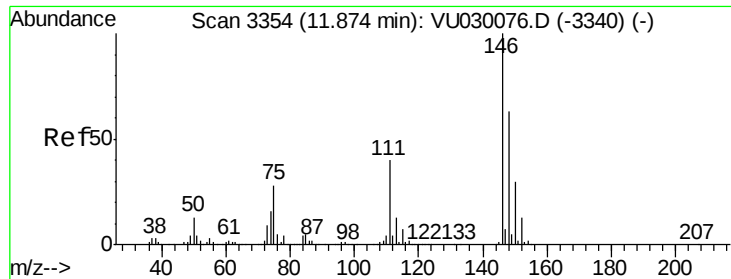
Tgt Ion: 43 Resp: 4744
Ion Ratio Lower Upper
43 100
58 52.1 48.6 72.8
57 18.4 16.1 24.1
100 10.7 11.6 17.4#



#63
1,4-Dichlorobenzene
Concen: 0.742 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030077.D
Acq: 14 Mar 2019 16:33

Tgt Ion: 146 Resp: 5396
Ion Ratio Lower Upper
146 100
111 39.7 25.5 47.3
148 53.3 45.0 83.6

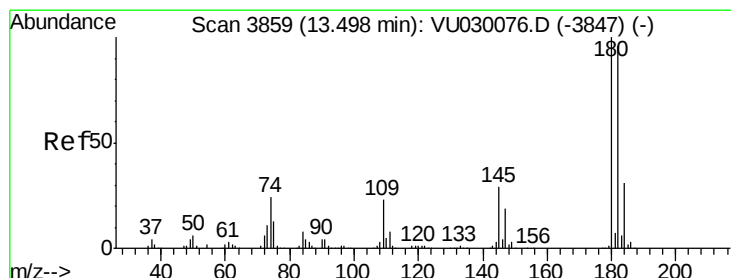
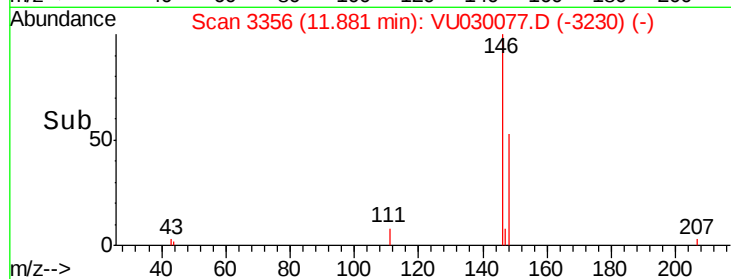
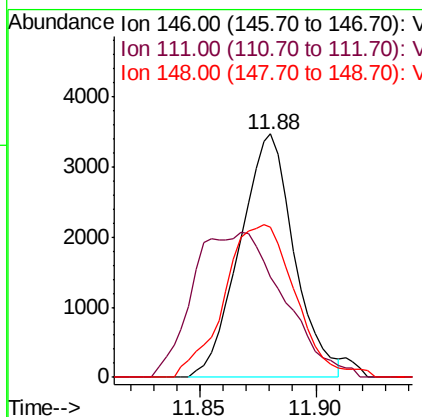
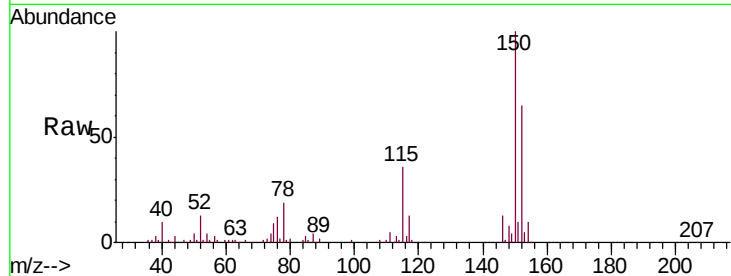




#65
 1,2-Dichlorobenzene
 Concen: 0.787 ug/L
 RT: 11.88 min Scan# 3356
 Delta R.T. 0.01 min
 Lab File: VU030077.D
 Acq: 14 Mar 2019 16:33

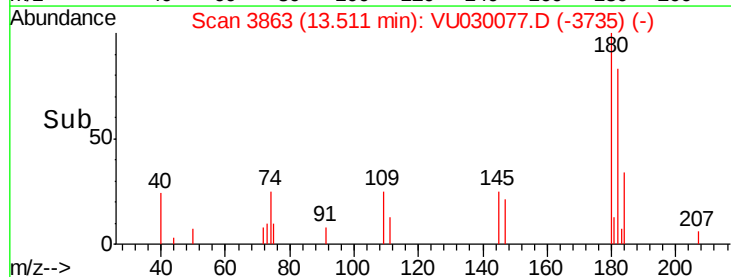
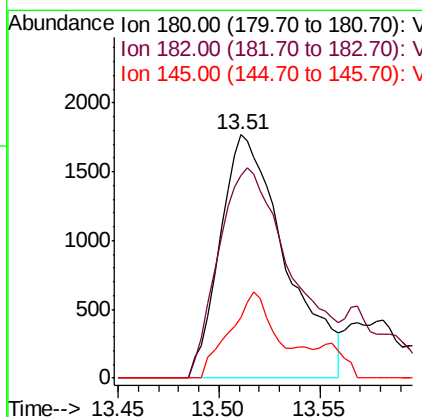
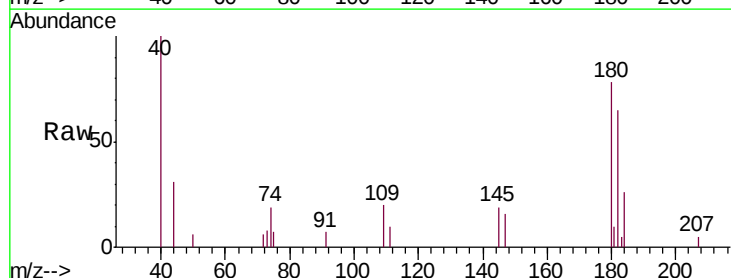
Instrument :
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 ClientSampleId :
 VBLK31

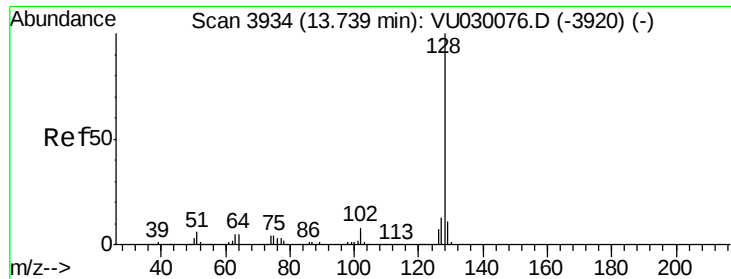
Tgt Ion:146 Resp: 5670
 Ion Ratio Lower Upper
 146 100
 111 41.4 30.9 46.3
 148 61.4 51.2 76.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.787 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030077.D
 Acq: 14 Mar 2019 16:33

Tgt Ion:180 Resp: 3995
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.1 114.1
 145 23.2 23.0 34.4





#69

Naphthalene

Concen: 0.675 ug/L

RT: 13.76 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VU030077.D

Acq: 14 Mar 2019 16:33

Instrument :

MSVOA_U

ClientSampleId :

VBLK31

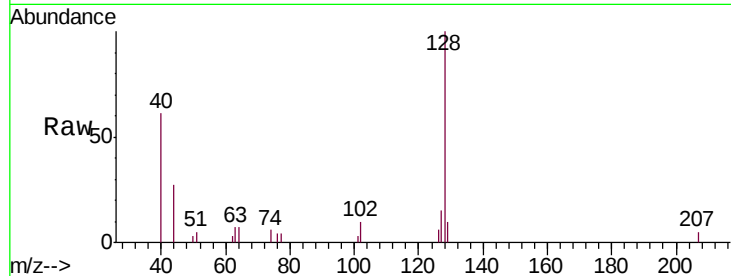
Tgt Ion:128 Resp: 11142

Ion Ratio Lower Upper

128 100

127 5.5 10.1 15.1#

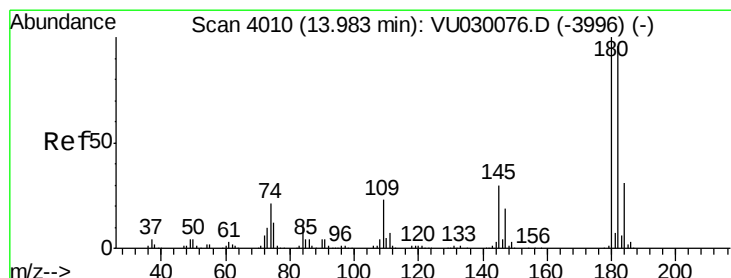
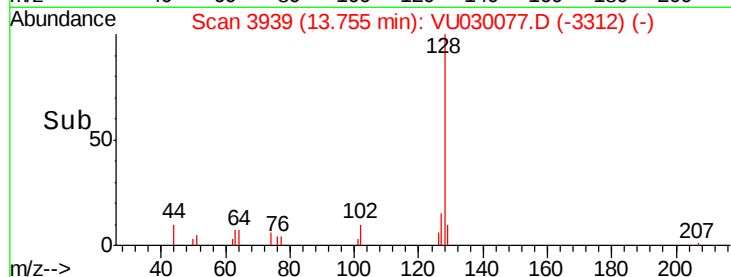
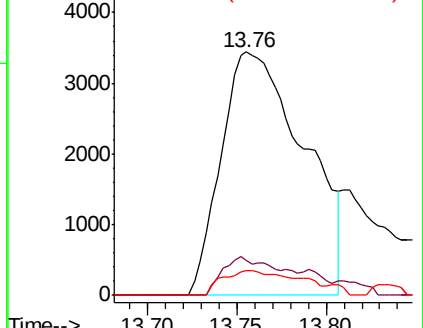
129 7.8 8.7 13.1#



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: 0.713 ug/L

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU030077.D

Acq: 14 Mar 2019 16:33

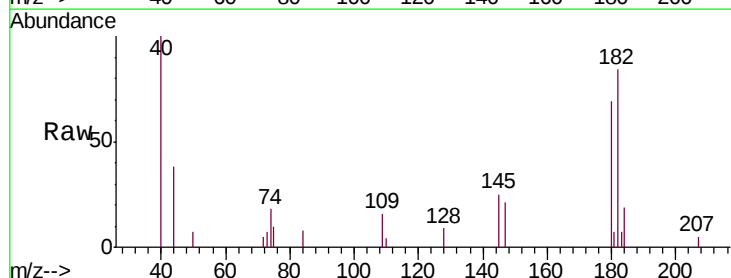
Tgt Ion:180 Resp: 3763

Ion Ratio Lower Upper

180 100

182 124.9 75.9 113.9#

145 28.4 24.0 36.0



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

