

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037564.D
 Acq On : 03 Apr 2020 12:03
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Apr 04 03:36:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 03:07:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	176967	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	165486	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	78541	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	62180	43.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.52%
7) Chloroethane-d5	1.93	69	49965	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.54%
11) 1,1-Dichloroethene-d2	2.59	63	88708	36.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.44%
21) 2-Butanone-d5	4.66	46	100048	92.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.62%
24) Chloroform-d	5.11	84	104135	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.02%
26) 1,2-Dichloroethane-d4	5.74	65	71671	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.16%
32) Benzene-d6	5.76	84	220863	46.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.12%
36) 1,2-Dichloropropane-d6	6.72	67	74009	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.70%
41) Toluene-d8	7.92	98	203288	45.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.98%
43) trans-1,3-Dichloropropene-	8.20	79	39046	44.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.12%
47) 2-Hexanone-d5	8.65	63	78168	91.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.41%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	105237	45.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.22%
64) 1,2-Dichlorobenzene-d4	12.21	152	72497	45.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.46%

Target Compounds

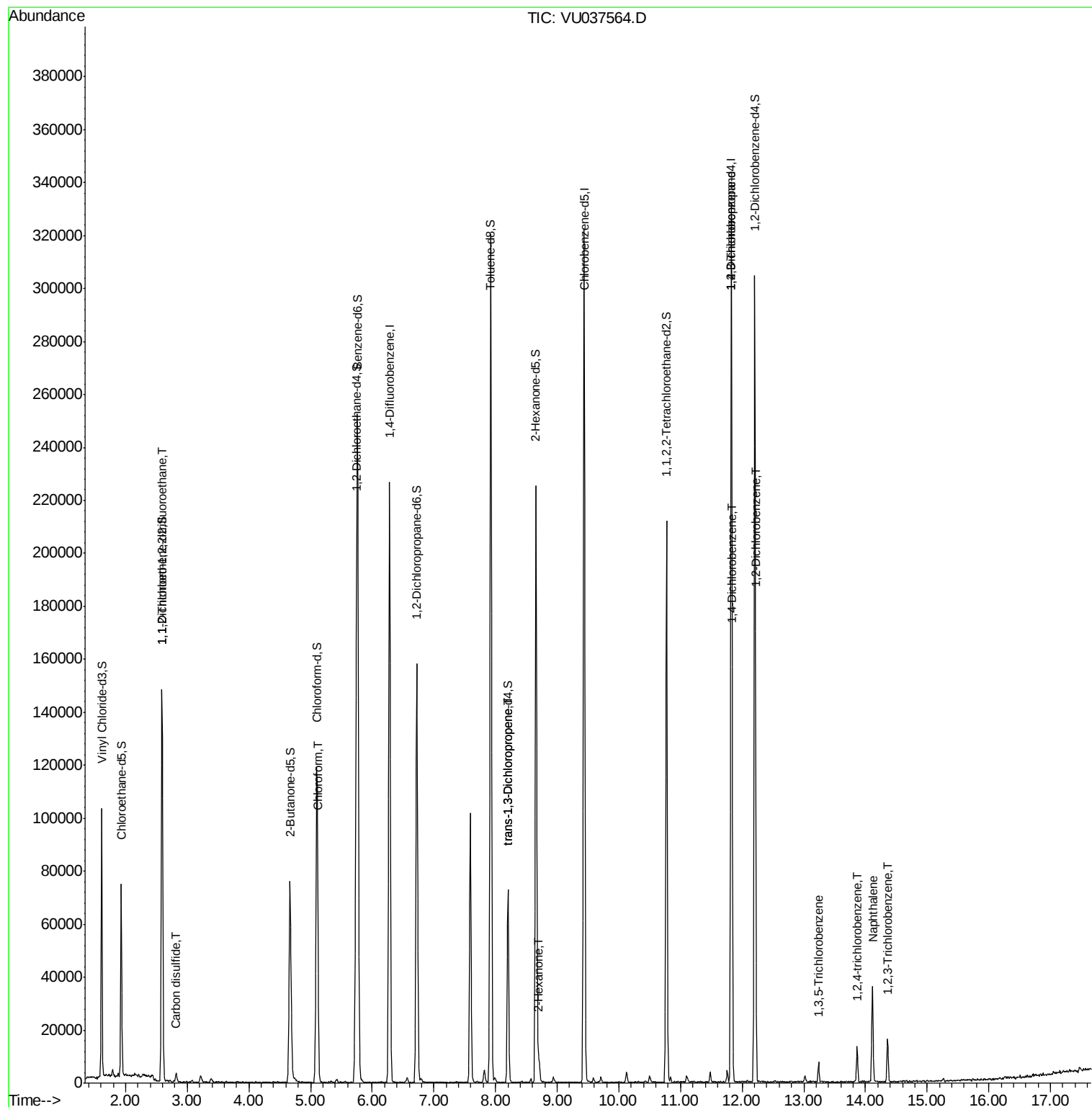
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	994	1.019	ug/L #	28
14) Carbon disulfide	2.82	76	4377	1.601	ug/L #	94
25) Chloroform	5.12	83	2137	1.026	ug/L	87
44) trans-1,3-Dichloropropene	8.20	75	2429	1.278	ug/L	92
48) 2-Hexanone	8.71	43	5117	3.282	ug/L #	80
59) 1,2,3-Trichloropropane	11.83	75	12388	7.800	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	2117	0.925	ug/L	91
65) 1,2-Dichlorobenzene	12.23	146	1891	0.842	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	2161	1.373	ug/L	95
68) 1,2,4-trichlorobenzene	13.86	180	3773	2.514	ug/L	92
69) Naphthalene	14.11	128	28506	4.484	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	4638	3.059	ug/L	99

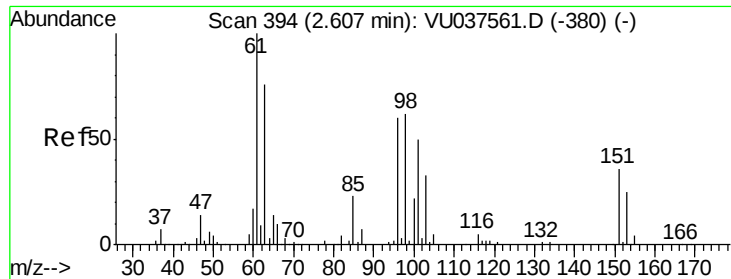
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 04 03:07:31 2020
Response via : Initial Calibration





#10

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

Concen: 1.019 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU037564.D

Acq: 03 Apr 2020 12:03

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

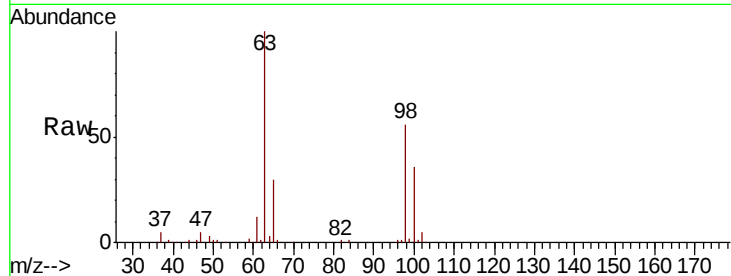
Tot Ion:101 Resp: 994

Ion Ratio Lower Upper

101 100

85 10.7 35.4 53.2#

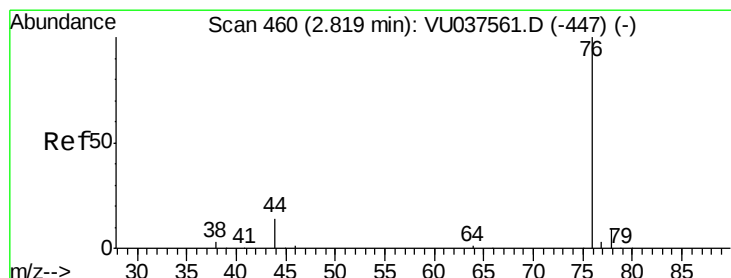
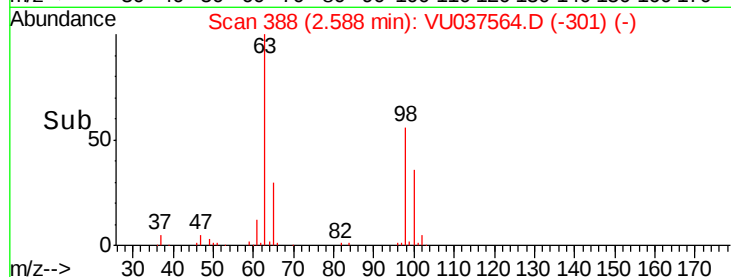
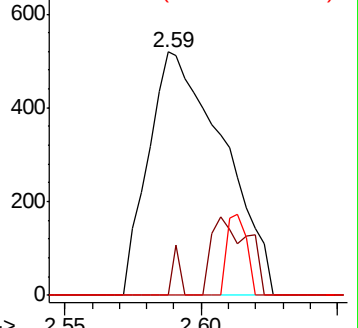
151 0.0 55.3 82.9#



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



#14

Carbon disulfide

Concen: 1.601 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037564.D

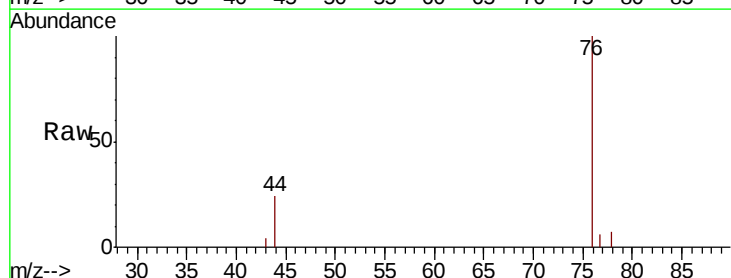
Acq: 03 Apr 2020 12:03

Tgt Ion: 76 Resp: 4377

Ion Ratio Lower Upper

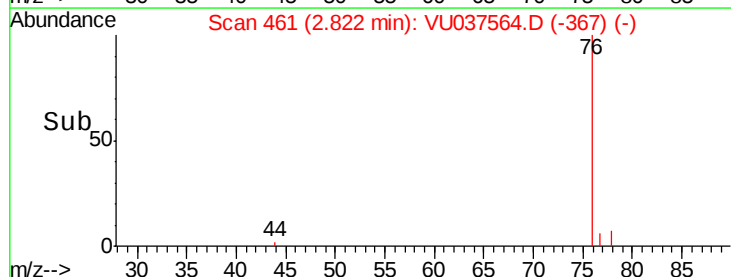
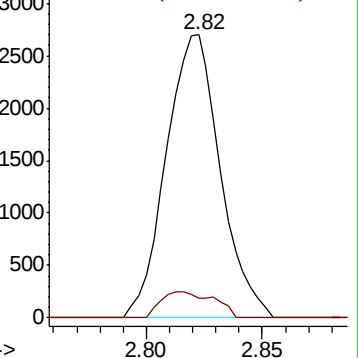
76 100

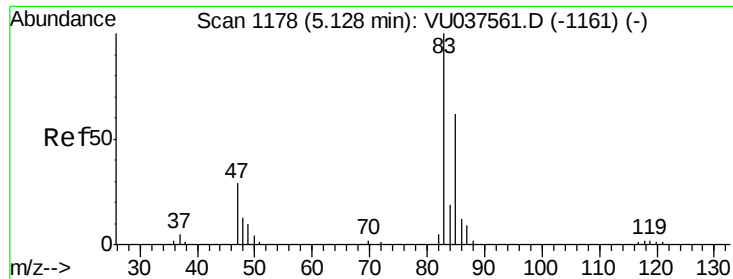
78 6.6 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

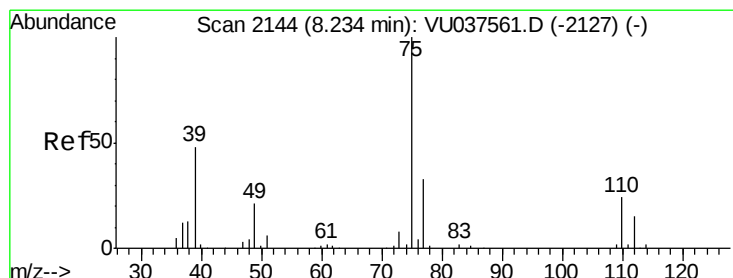
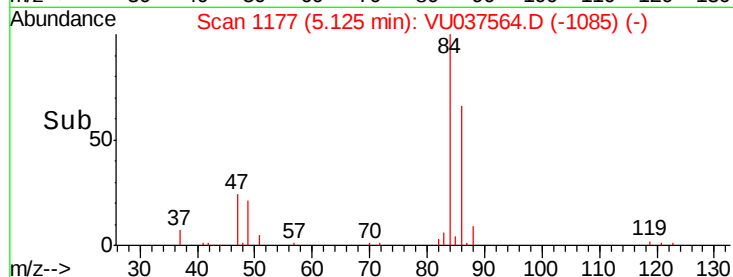
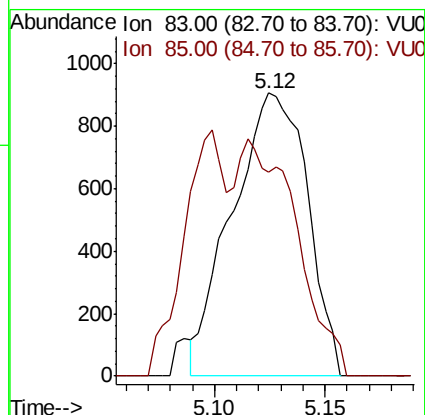
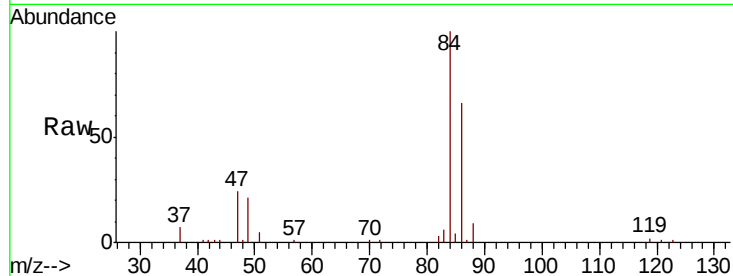




#25
Chloroform
Concen: 1.026 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037564.D
Acq: 03 Apr 2020 12:03

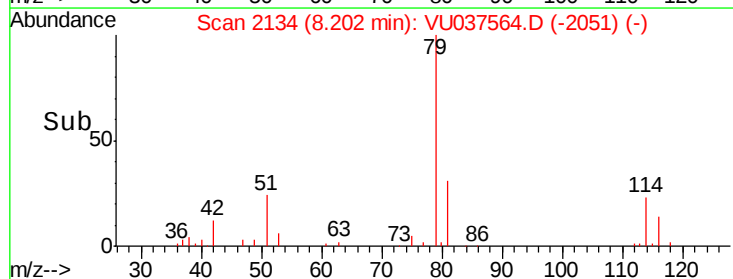
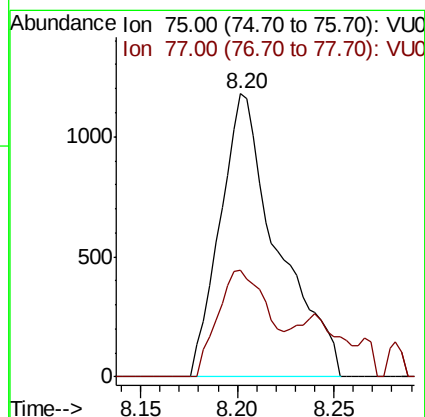
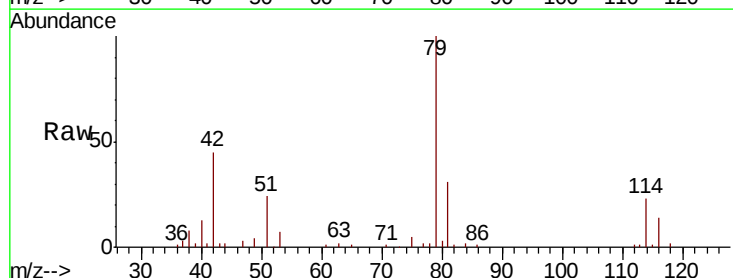
Instrument :
MSVOA_U
ClientSampled :
VIBLK

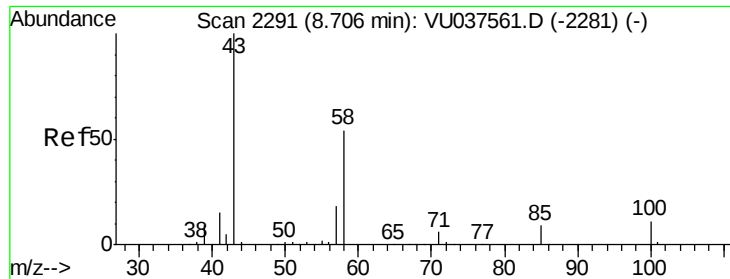
Tot Ion: 83 Resp: 2137
Ion Ratio Lower Upper
83 100
85 72.1 43.7 81.1



#44
trans-1,3-Dichloropropene
Concen: 1.278 ug/L
RT: 8.20 min Scan# 2134
Delta R.T. -0.03 min
Lab File: VU037564.D
Acq: 03 Apr 2020 12:03

Tgt Ion: 75 Resp: 2429
Ion Ratio Lower Upper
75 100
77 37.8 23.4 43.6

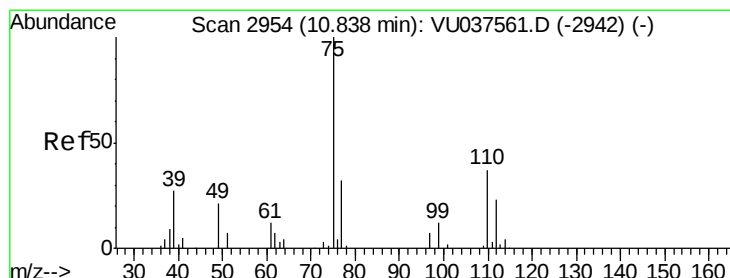
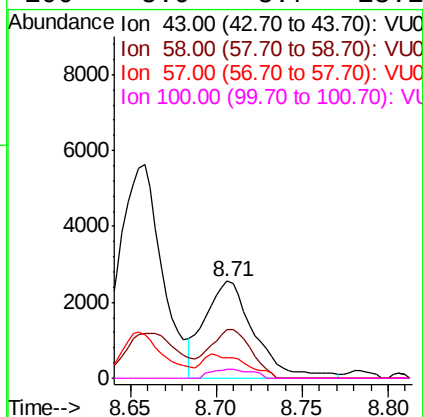
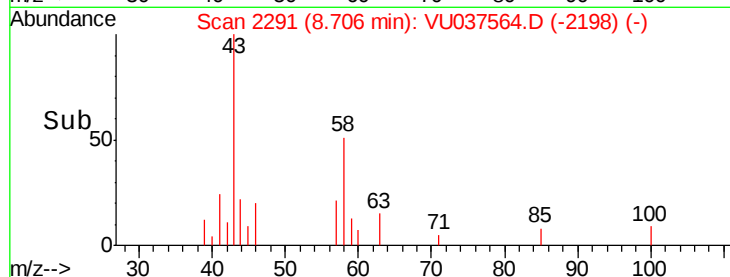
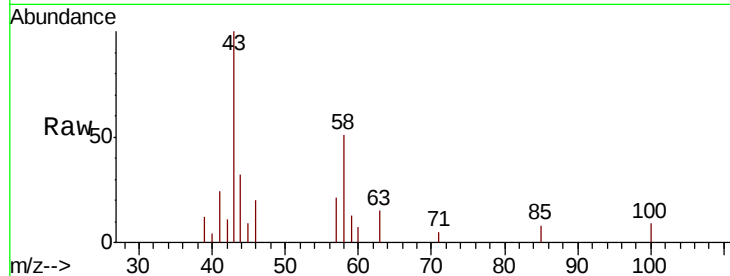




#48
 2-Hexanone
 Concen: 3.282 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: VU037564.D
 Acq: 03 Apr 2020 12:03

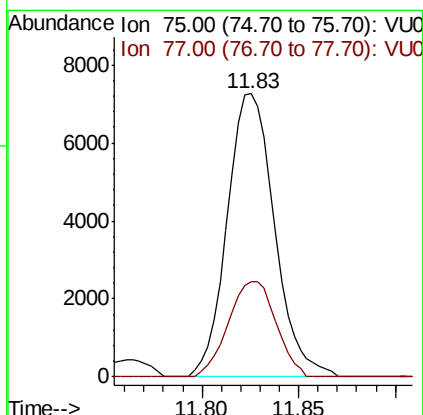
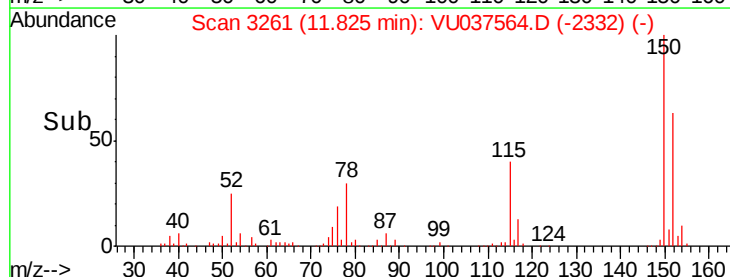
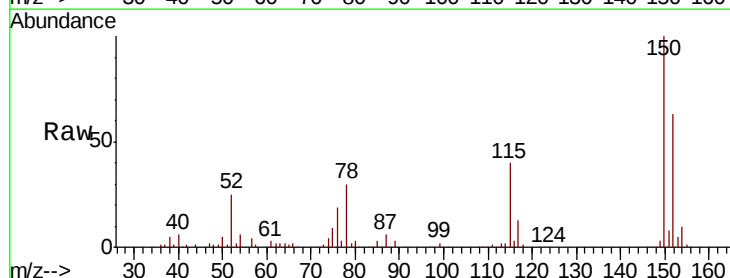
Instrument :
 MSVOA_U
 ClientSampled :
 VIBLK

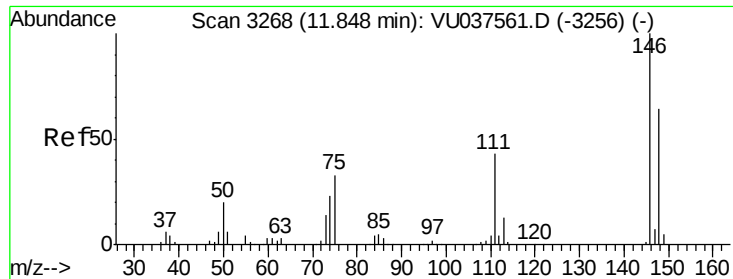
Tot Ion: 43 Resp: 5117
 Ion Ratio Lower Upper
 43 100
 58 42.3 44.4 66.6#
 57 5.6 15.1 22.7#
 100 5.9 8.7 13.1#



#59
 1,2,3-Trichloropropane
 Concen: 7.800 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.99 min
 Lab File: VU037564.D
 Acq: 03 Apr 2020 12:03

Tgt Ion: 75 Resp: 12388
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.5 38.3





#63

1,4-Dichlorobenzene

Concen: 0.925 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU037564.D

Acq: 03 Apr 2020 12:03

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

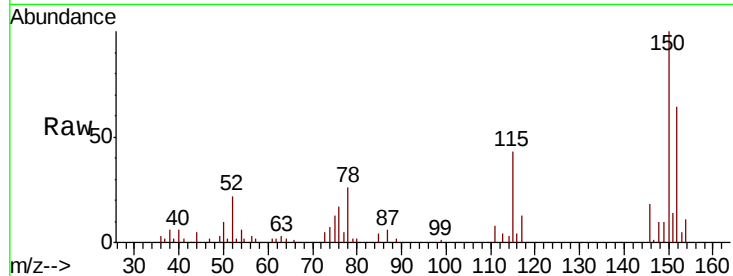
Tot Ion:146 Resp: 2117

Ion Ratio Lower Upper

146 100

111 40.8 30.1 55.9

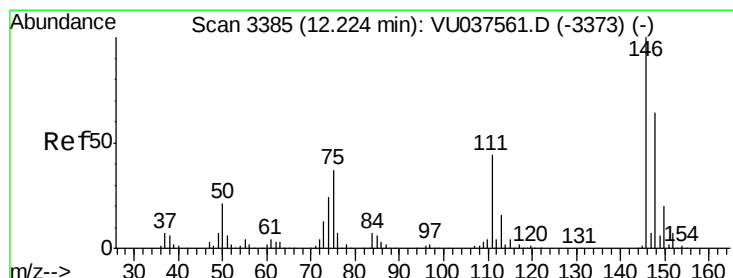
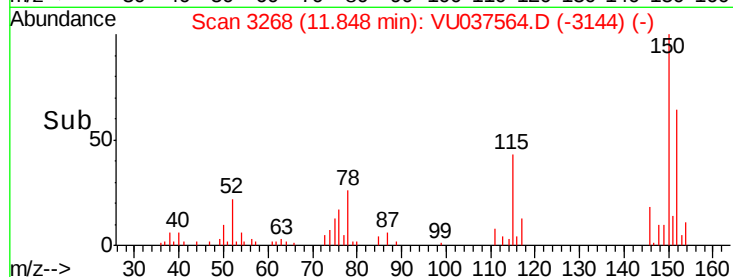
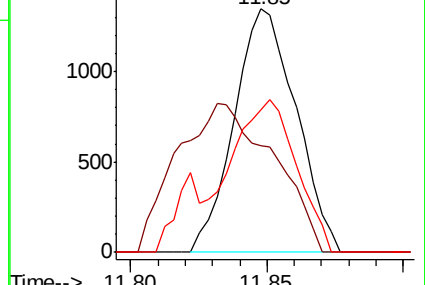
148 54.2 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.842 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037564.D

Acq: 03 Apr 2020 12:03

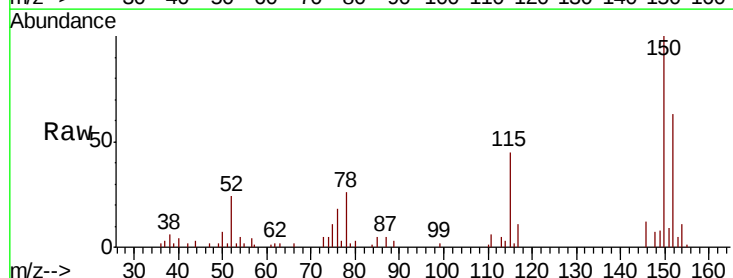
Tgt Ion:146 Resp: 1891

Ion Ratio Lower Upper

146 100

111 48.1 35.6 53.4

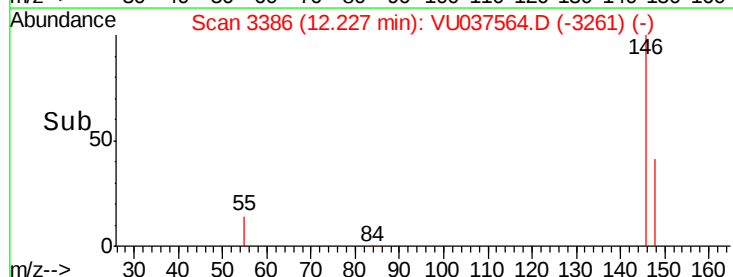
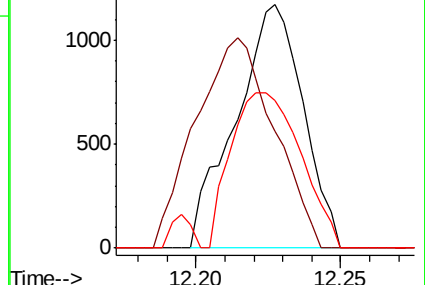
148 60.7 51.0 76.6

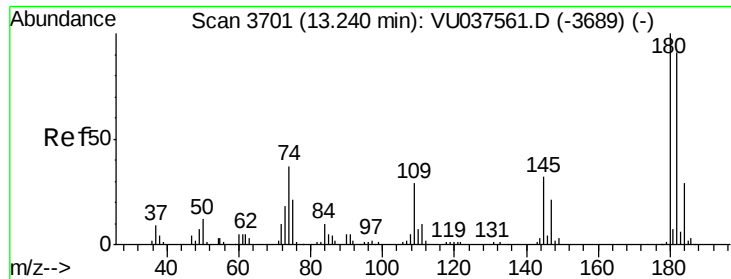


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

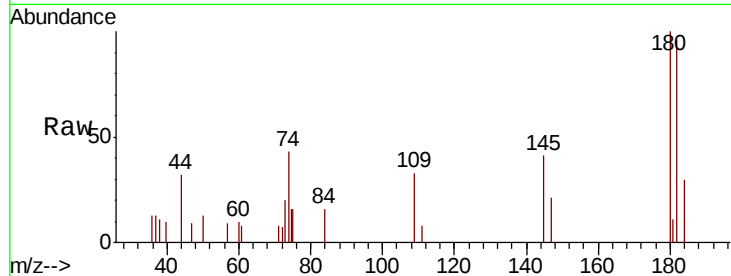




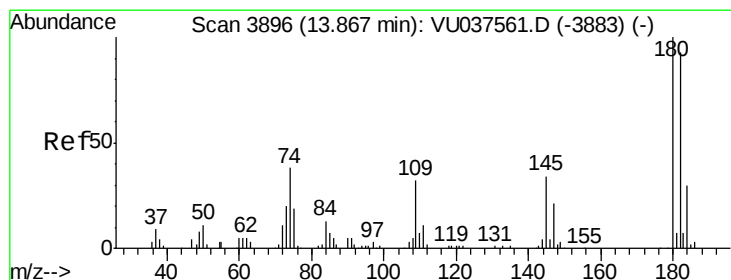
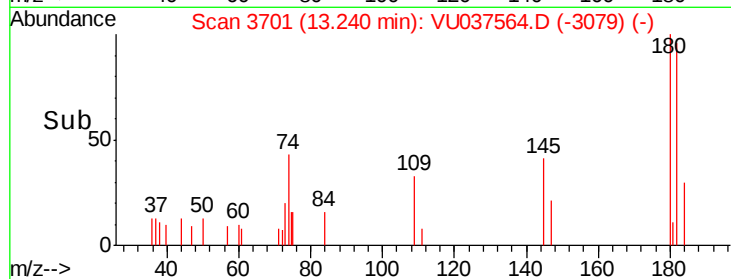
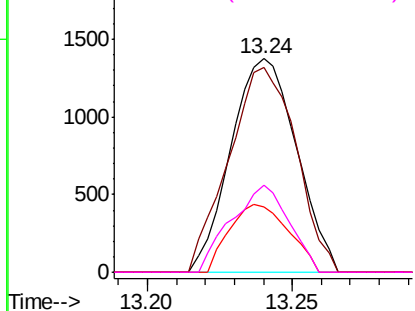
#67
 1,3,5-Trichlorobenzene
 Concen: 1.373 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037564.D
 Acq: 03 Apr 2020 12:03

Instrument :
 MSVOA_U
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Tot Ion:180 Resp: 2161
 Ion Ratio Lower Upper
 180 100
 182 98.1 74.9 112.3
 184 28.7 23.6 35.4
 145 36.0 25.7 38.5

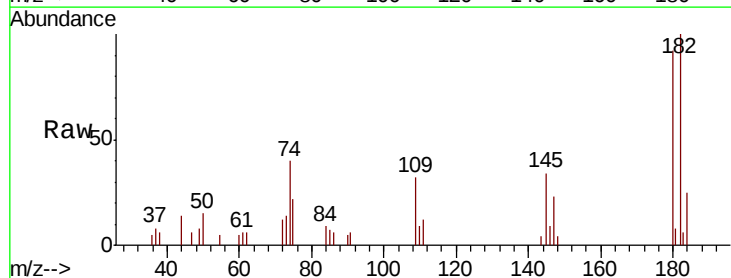


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

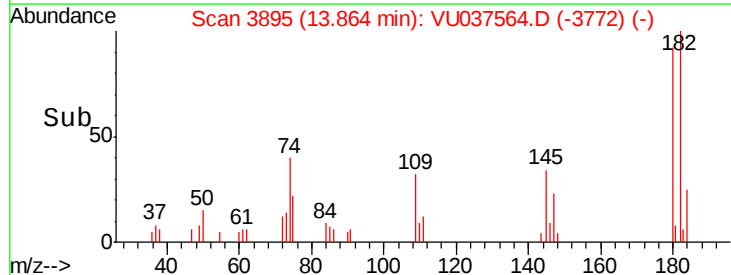
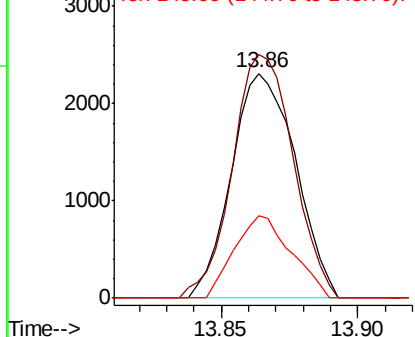


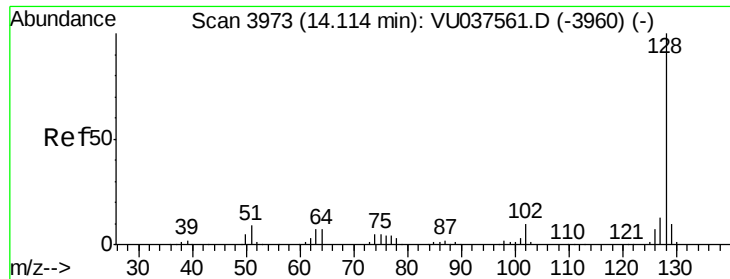
#68
 1,2,4-trichlorobenzene
 Concen: 2.514 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU037564.D
 Acq: 03 Apr 2020 12:03

Tgt Ion:180 Resp: 3773
 Ion Ratio Lower Upper
 180 100
 182 102.7 74.4 111.6
 145 32.5 26.9 40.3



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: 4.484 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037564.D

Acq: 03 Apr 2020 12:03

Instrument :

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VIBLK

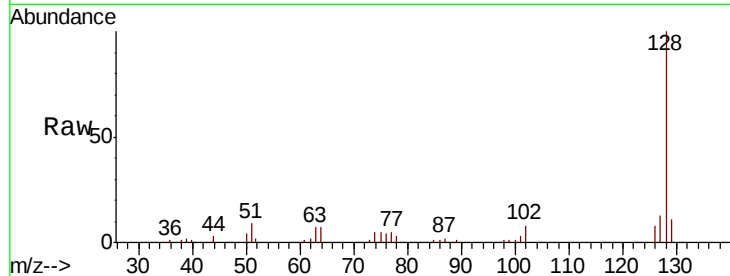
Tot Ion:128 Resp: 28506

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

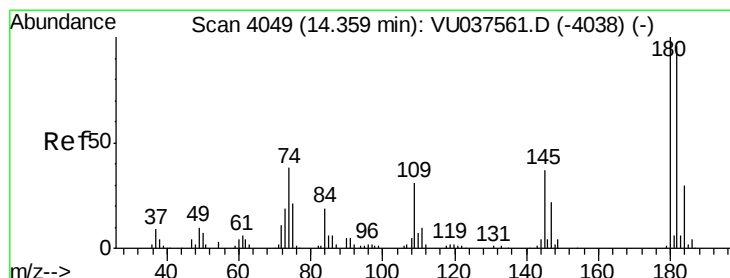
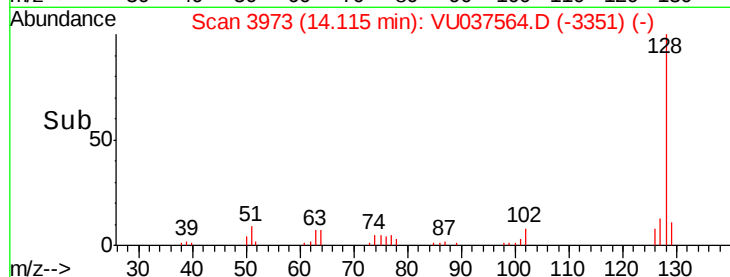
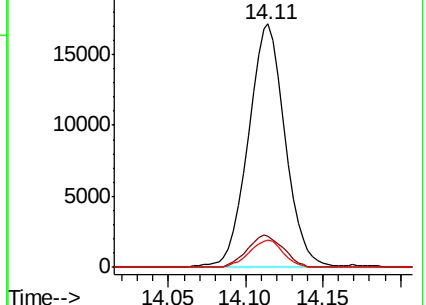
129 10.2 8.5 12.7



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: 3.059 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU037564.D

Acq: 03 Apr 2020 12:03

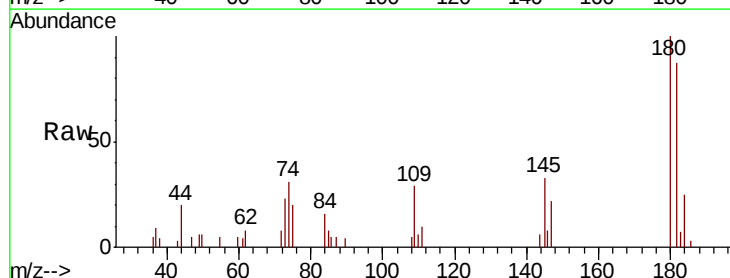
Tgt Ion:180 Resp: 4638

Ion Ratio Lower Upper

180 100

182 96.0 76.0 114.0

145 34.8 29.0 43.6



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

