

Data File : VU034923.D
Acq On : 03 Oct 2019 19:16
Operator : JC/SP
Sample : K5028-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Quant Time: Oct 04 06:45:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 06:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	403439	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	387497	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	158781	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	139871	43.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.26%
7) Chloroethane-d5	1.67	69	115083	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.16%
11) 1,1-Dichloroethene-d2	2.26	63	200249	34.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.90%
21) 2-Butanone-d5	4.15	46	243211	101.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.82%
24) Chloroform-d	4.62	84	259322	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
26) 1,2-Dichloroethane-d4	5.29	65	178490	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
32) Benzene-d6	5.32	84	540239	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
36) 1,2-Dichloropropane-d6	6.31	67	182143	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.28%
41) Toluene-d8	7.54	98	494728	48.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.83	79	77992	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.82%
47) 2-Hexanone-d5	8.29	63	170503	99.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	253591	49.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.28%
64) 1,2-Dichlorobenzene-d4	11.84	152	171873	52.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.44%

Target Compounds

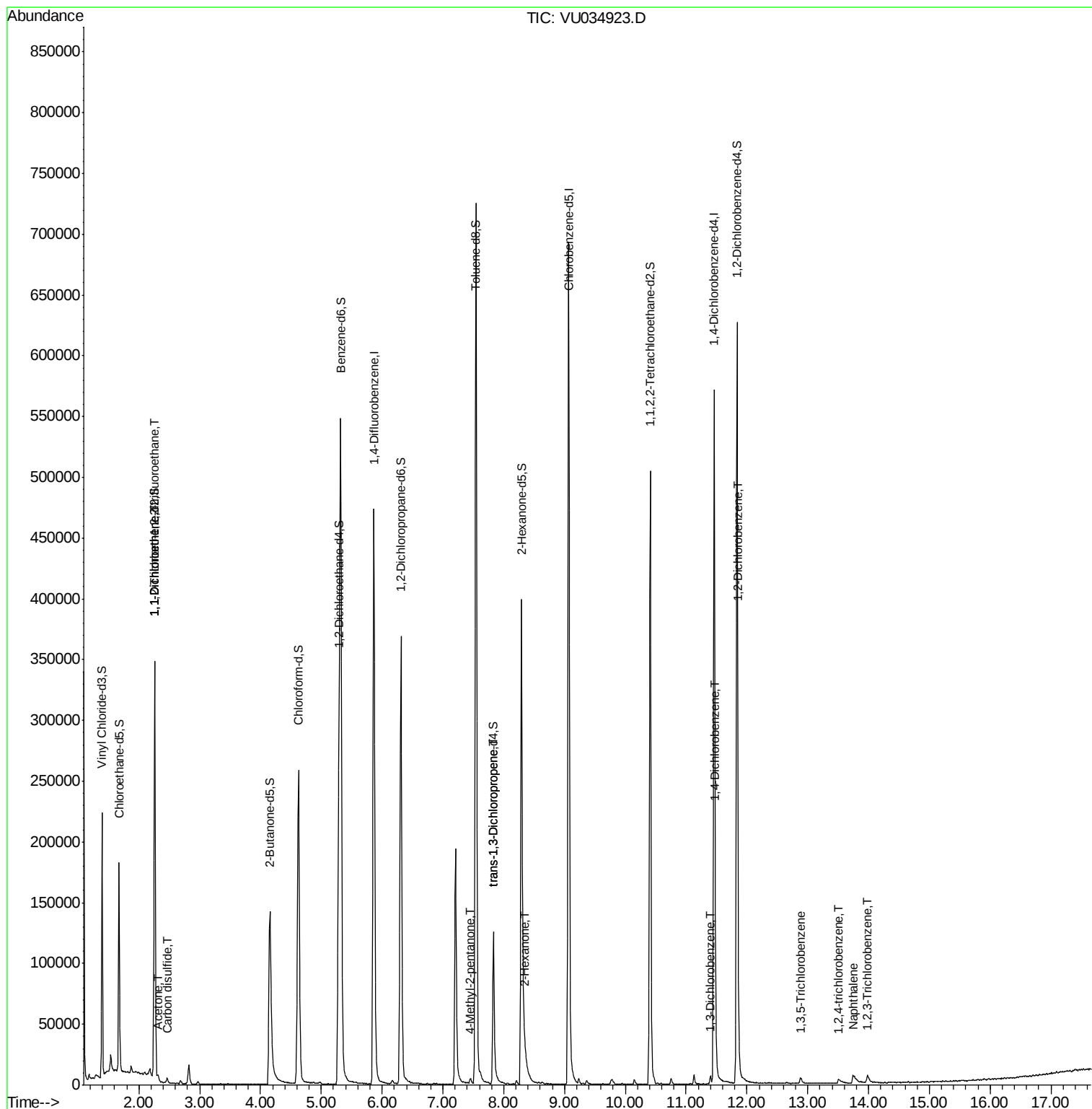
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2139	0.886	ug/L #	24
12) 1,1-Dichloroethene	2.26	96	1809	0.780	ug/L #	1
13) Acetone	2.31	43	1811	0.801	ug/L	89
14) Carbon disulfide	2.46	76	4595	0.600	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	3859	0.790	ug/L #	93
44) trans-1,3-Dichloropropene	7.83	75	3098	0.739	ug/L	92
48) 2-Hexanone	8.35	43	8275	2.222	ug/L #	76
62) 1,3-Dichlorobenzene	11.40	146	3214	0.650	ug/L	94
63) 1,4-Dichlorobenzene	11.49	146	4562	0.923	ug/L	92
65) 1,2-Dichlorobenzene	11.86	146	3480	0.702	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.88	180	2234	0.674	ug/L #	80
68) 1,2,4-trichlorobenzene	13.51	180	1509	0.599	ug/L	94
69) Naphthalene	13.74	128	6517	0.852	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.98	180	3642	1.370	ug/L	86

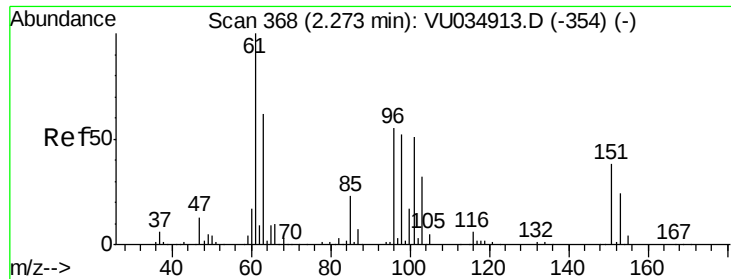
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU034923.D
Acq On : 03 Oct 2019 19:16
Operator : JC/SP
Sample : K5028-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Quant Time: Oct 04 06:45:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 06:39:51 2019
Response via : Initial Calibration





#10

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

Concen: 0.886 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU034923.D

Acq: 03 Oct 2019 19:16

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

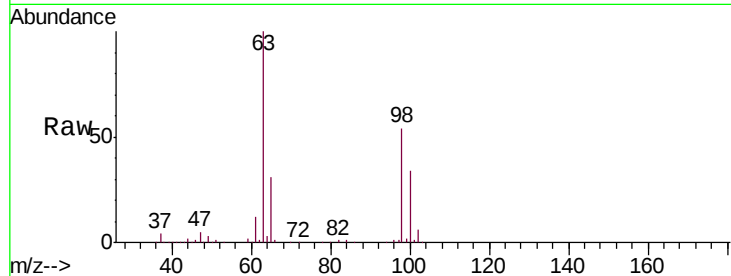
Tgt Ion: 101 Resp: 2139

Ion Ratio Lower Upper

101 100

85 7.2 35.9 53.9#

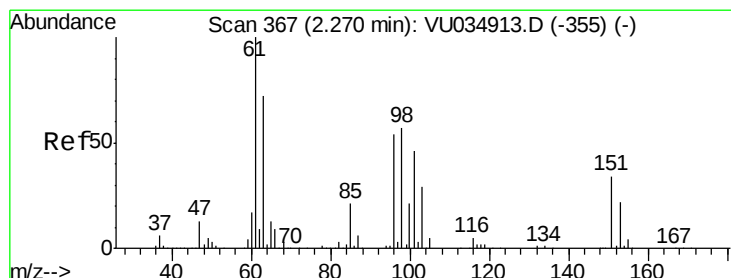
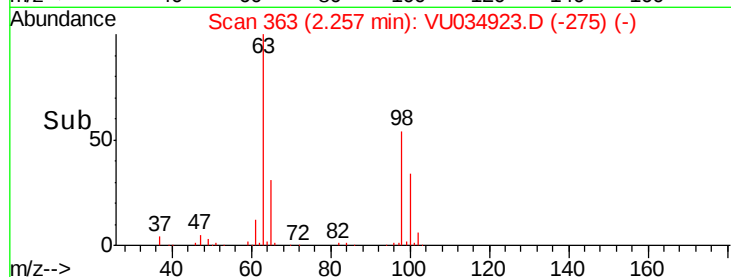
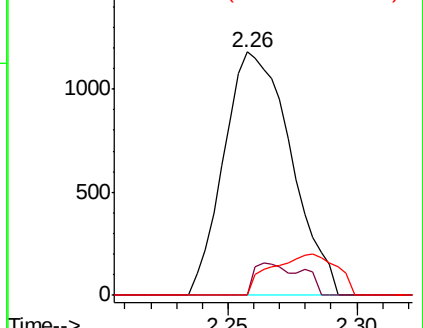
151 0.0 59.0 88.4#



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: 0.780 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU034923.D

Acq: 03 Oct 2019 19:16

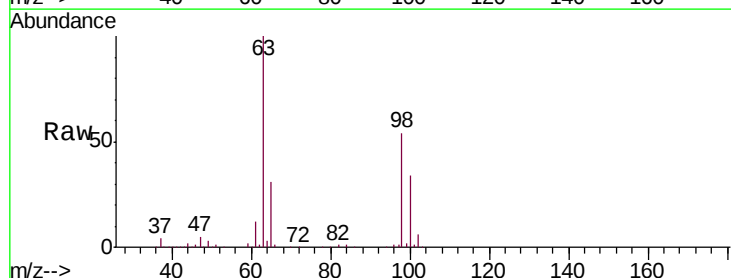
Tgt Ion: 96 Resp: 1809

Ion Ratio Lower Upper

96 100

61 1493.5 131.2 243.6#

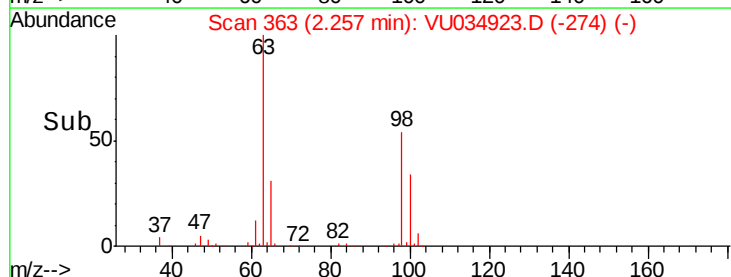
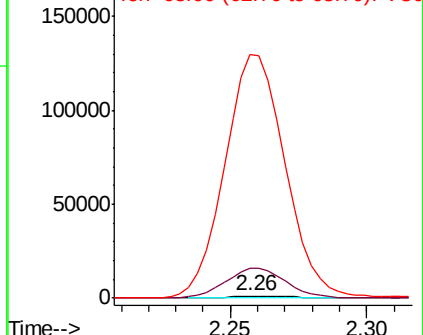
63 12377.5 97.6 181.2#

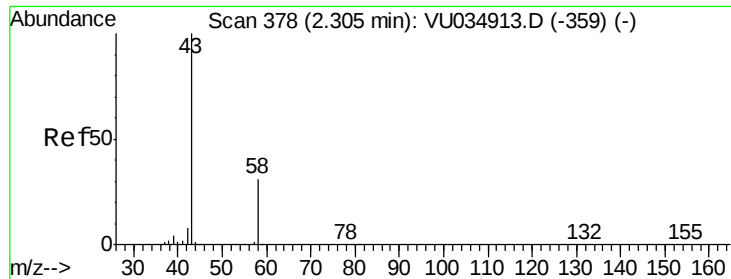


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.801 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034923.D

Acq: 03 Oct 2019 19:16

Instrument :

MSVOA_U

ClientSampled :

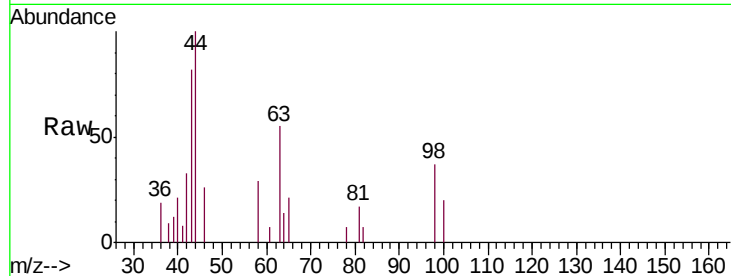
VHBLK01

Tgt Ion: 43 Resp: 1811

Ion Ratio Lower Upper

43 100

58 36.6 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VU034913.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU034913.D (-359) (-)

2.31

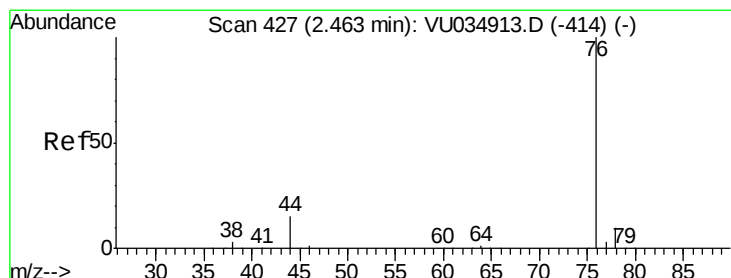
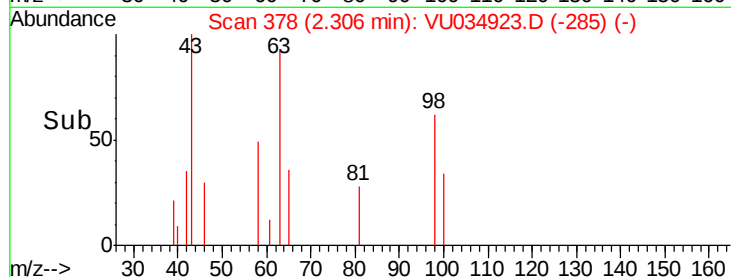
1500

1000

500

0

Time-->



#14

Carbon disulfide

Concen: 0.600 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034923.D

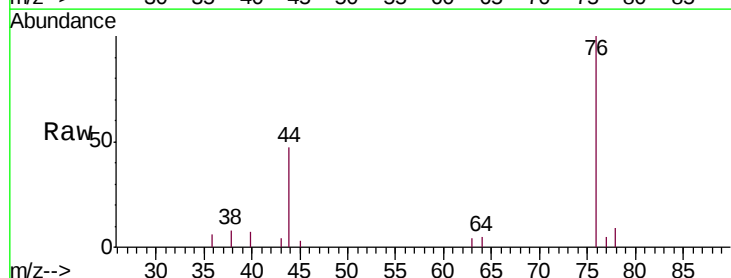
Acq: 03 Oct 2019 19:16

Tgt Ion: 76 Resp: 4595

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VU034913.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034913.D (-414) (-)

2.46

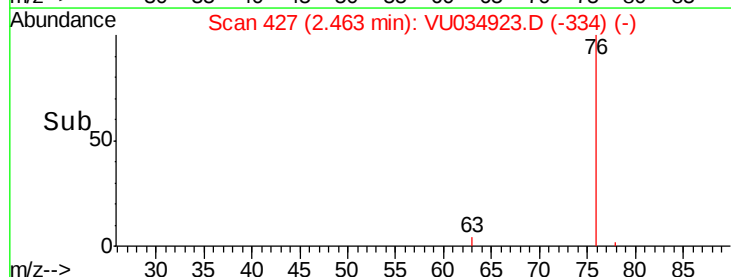
3000

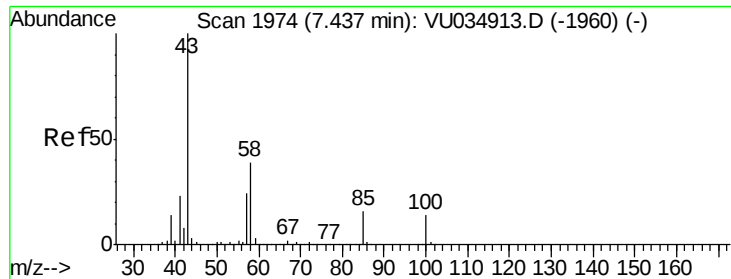
2000

1000

0

Time-->

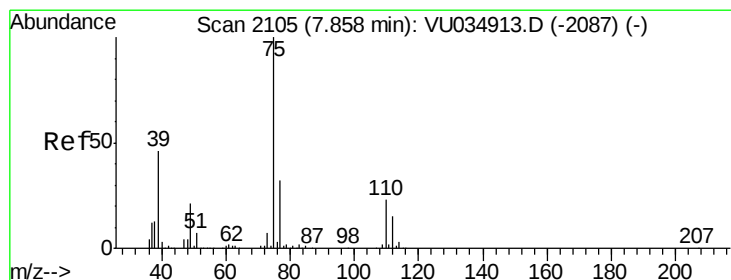
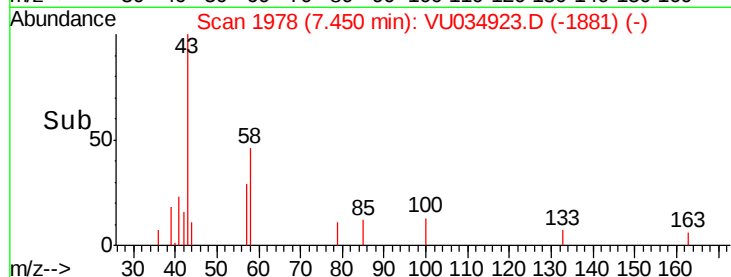
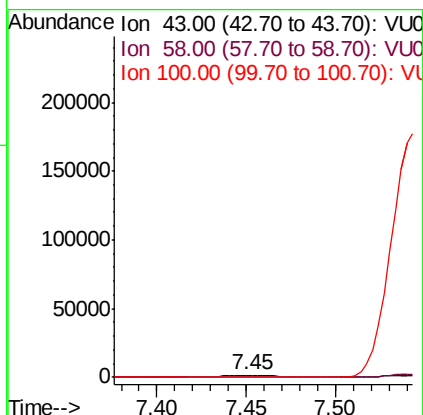
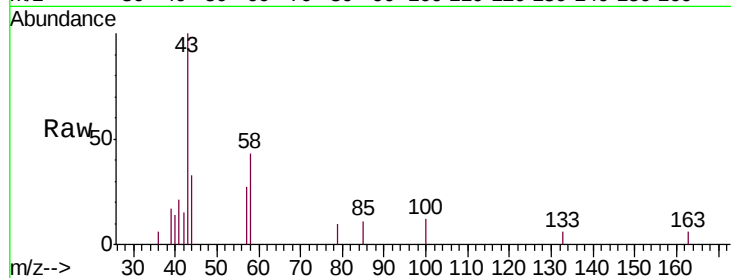




#40
 4-Methyl-2-pentanone
 Concen: 0.790 ug/L
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.01 min
 Lab File: VU034923.D
 Acq: 03 Oct 2019 19:16

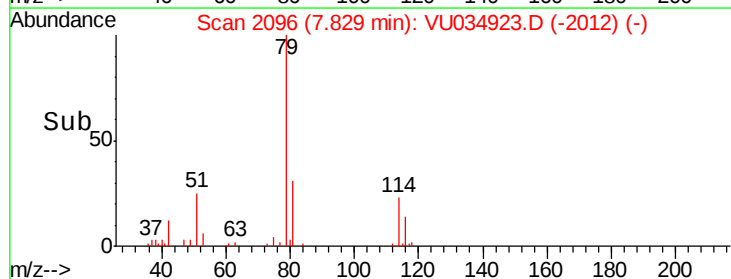
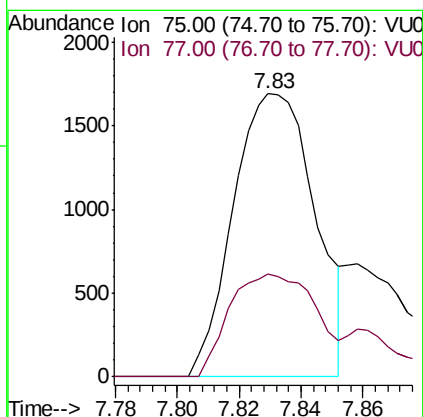
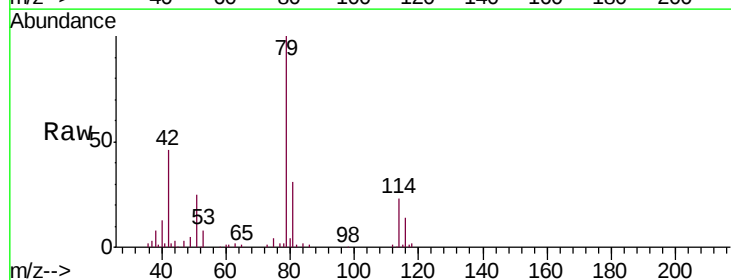
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

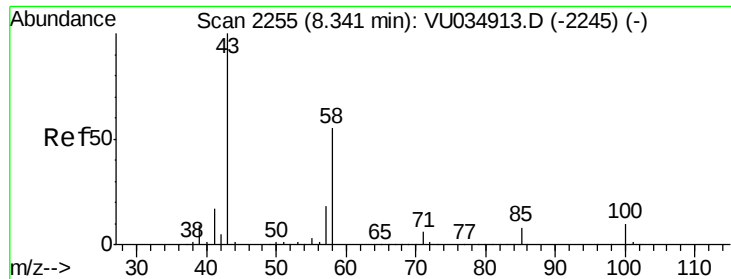
Tgt Ion: 43 Resp: 3859
 Ion Ratio Lower Upper
 43 100
 58 35.3 30.7 46.1
 100 8.8 10.9 16.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.739 ug/L
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.03 min
 Lab File: VU034923.D
 Acq: 03 Oct 2019 19:16

Tgt Ion: 75 Resp: 3098
 Ion Ratio Lower Upper
 75 100
 77 36.3 22.2 41.2

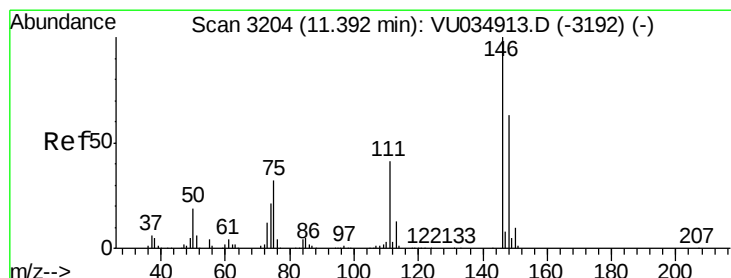
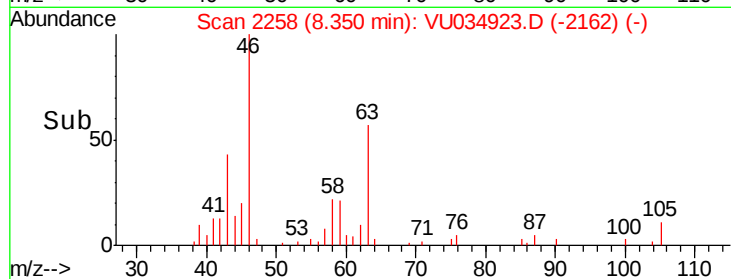
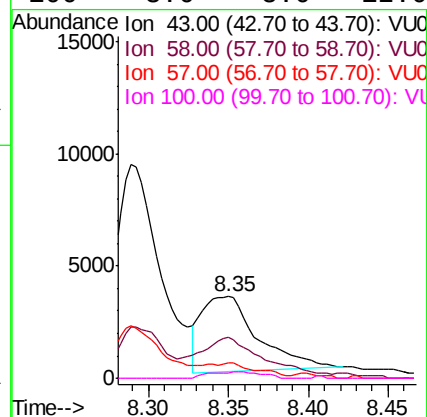
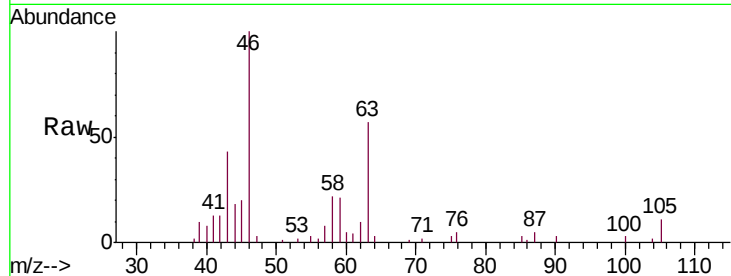




#48
2-Hexanone
Concen: 2.222 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU034923.D
Acq: 03 Oct 2019 19:16

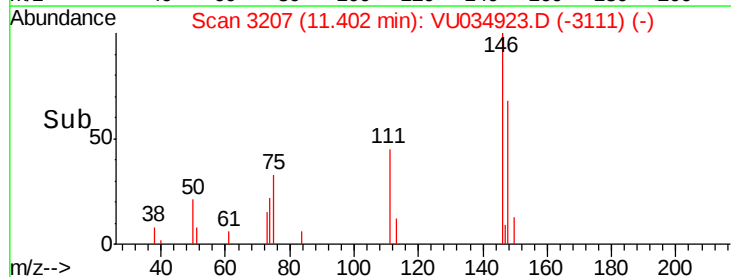
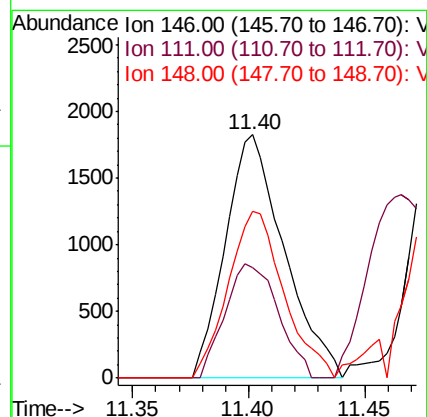
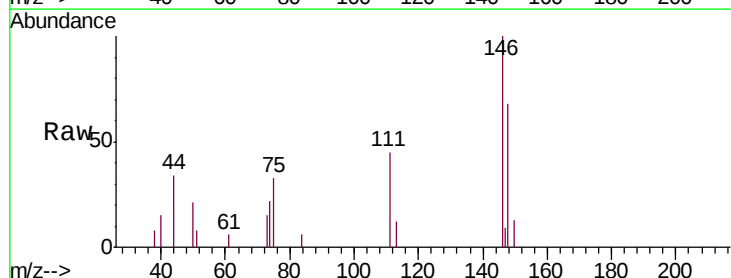
Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

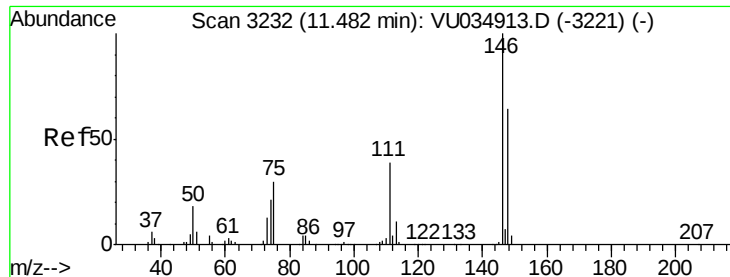
Tgt Ion: 43 Resp: 8275
Ion Ratio Lower Upper
43 100
58 37.0 40.8 61.2#
57 0.0 14.0 21.0#
100 3.6 8.0 12.0#



#62
1,3-Dichlorobenzene
Concen: 0.650 ug/L
RT: 11.40 min Scan# 3207
Delta R.T. 0.01 min
Lab File: VU034923.D
Acq: 03 Oct 2019 19:16

Tgt Ion: 146 Resp: 3214
Ion Ratio Lower Upper
146 100
111 45.3 28.8 53.6
148 68.4 44.4 82.5

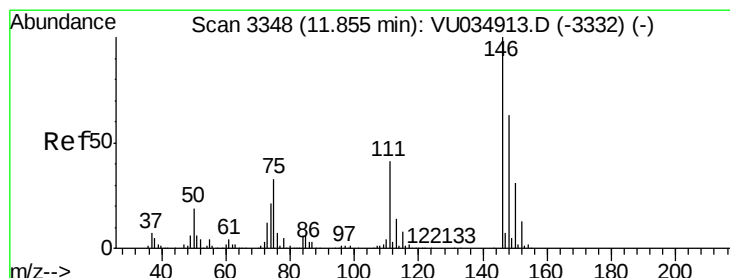
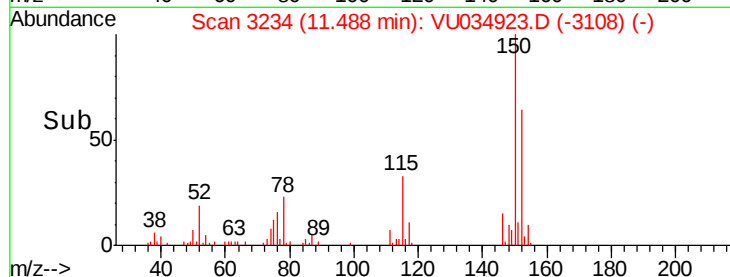
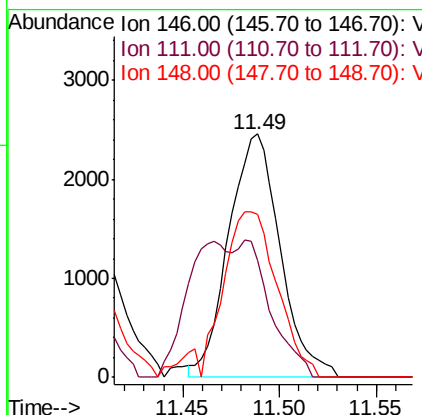
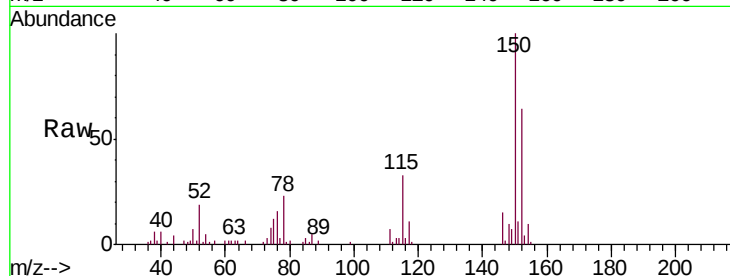




#63
1,4-Dichlorobenzene
Concen: 0.923 ug/L
RT: 11.49 min Scan# 3234
Delta R.T. 0.01 min
Lab File: VU034923.D
Acq: 03 Oct 2019 19:16

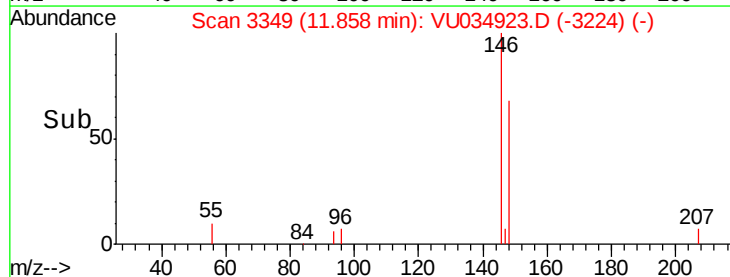
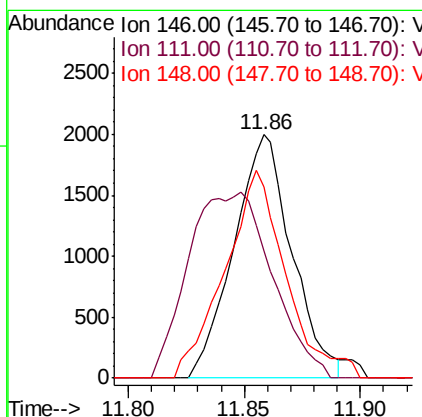
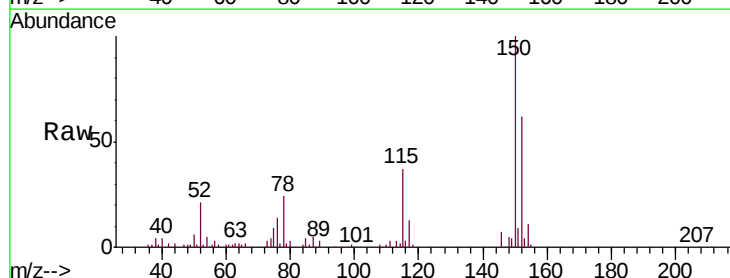
Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

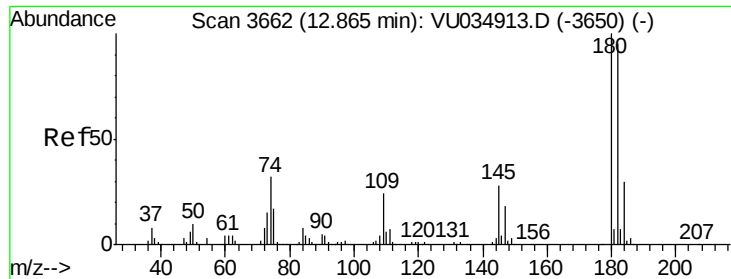
Tgt Ion:146 Resp: 4562
Ion Ratio Lower Upper
146 100
111 48.0 27.3 50.7
148 67.1 44.5 82.7



#65
1,2-Dichlorobenzene
Concen: 0.702 ug/L
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU034923.D
Acq: 03 Oct 2019 19:16

Tgt Ion:146 Resp: 3480
Ion Ratio Lower Upper
146 100
111 52.0 33.0 49.4#
148 78.4 50.6 76.0#

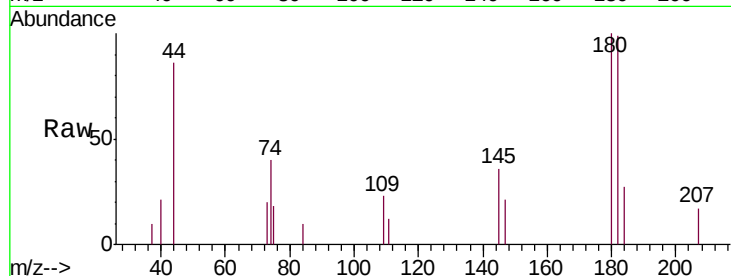




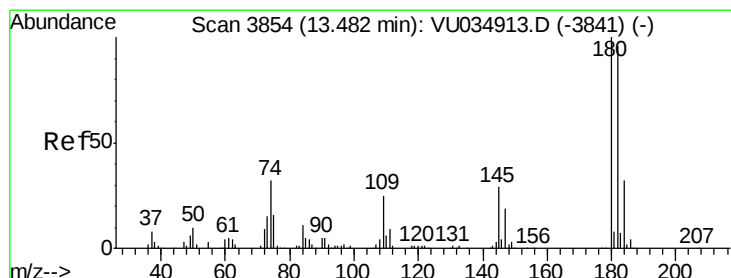
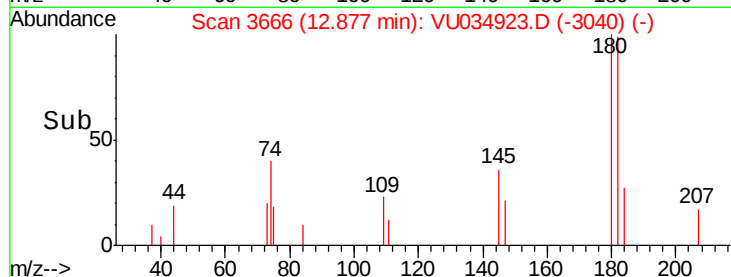
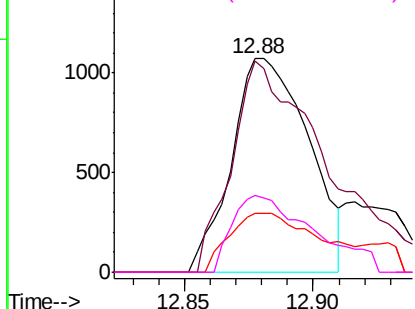
#67
 1,3,5-Trichlorobenzene
 Concen: 0.674 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.01 min
 Lab File: VU034923.D
 Acq: 03 Oct 2019 19:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Tgt Ion:180 Resp: 2234
 Ion Ratio Lower Upper
 180 100
 182 123.6 76.6 115.0#
 184 28.3 24.1 36.1
 145 23.5 22.4 33.6

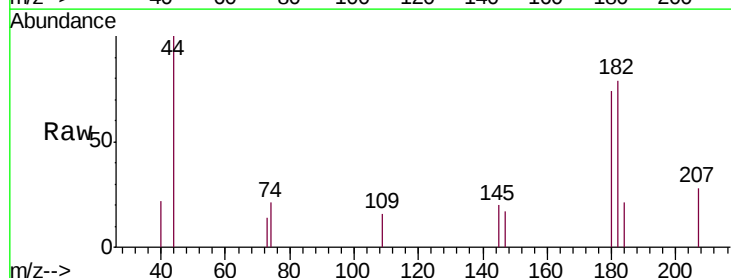


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

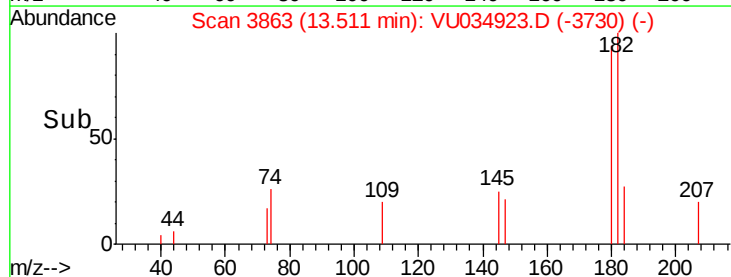
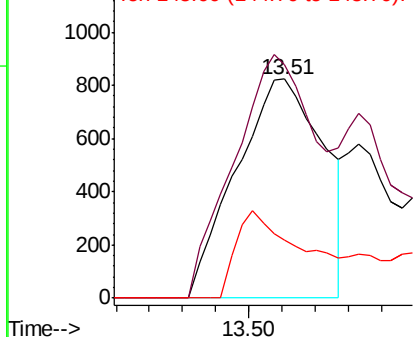


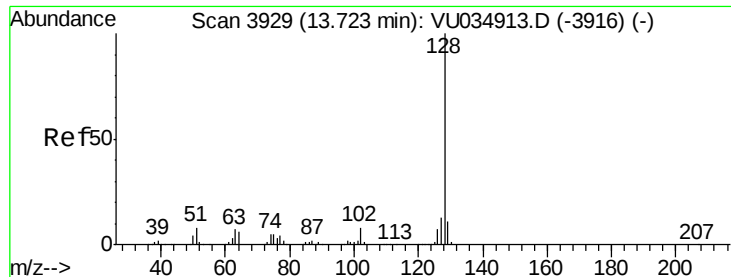
#68
 1,2,4-trichlorobenzene
 Concen: 0.599 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.03 min
 Lab File: VU034923.D
 Acq: 03 Oct 2019 19:16

Tgt Ion:180 Resp: 1509
 Ion Ratio Lower Upper
 180 100
 182 101.6 76.5 114.7
 145 30.5 22.6 33.8



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: 0.852 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.02 min

Lab File: VU034923.D

Acq: 03 Oct 2019 19:16

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

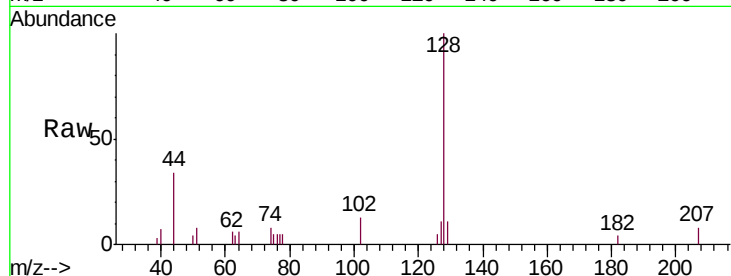
Tgt Ion:128 Resp: 6517

Ion Ratio Lower Upper

128 100

127 8.1 10.2 15.2#

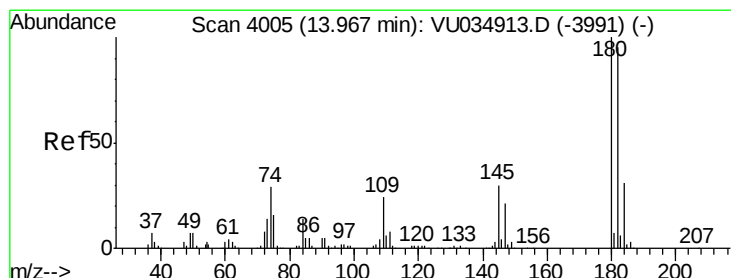
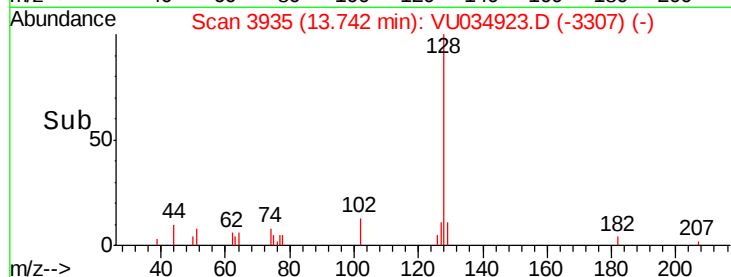
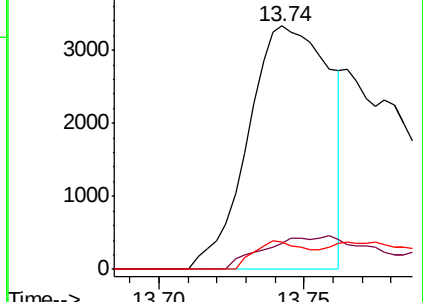
129 7.9 8.4 12.6#



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: 1.370 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.02 min

Lab File: VU034923.D

Acq: 03 Oct 2019 19:16

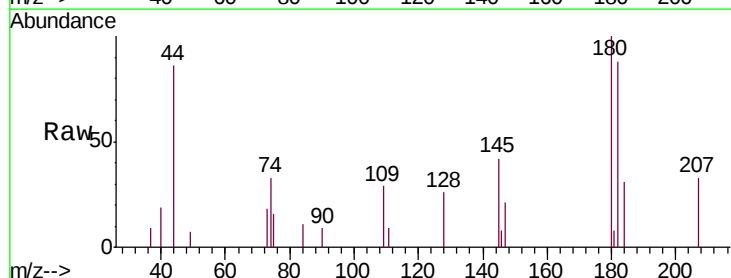
Tgt Ion:180 Resp: 3642

Ion Ratio Lower Upper

180 100

182 81.1 77.2 115.8

145 24.8 24.5 36.7



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

