

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031120\
 Data File : VU037181.D
 Acq On : 11 Mar 2020 21:14
 Operator : JC/MD
 Sample : L1891-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBER5

Quant Time: Mar 12 02:00:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Mar 12 01:55:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.35	114	84200	5.00	ug/L	0.07
28) Chlorobenzene-d5	9.46	117	82223	5.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	11.83	152	50118	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.66	65	28584	5.17	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.40%
7) Chloroethane-d5	1.98	69	18420	4.72	ug/L	0.05
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.64	63	44414	3.90	ug/L	0.05
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.80	46	30776	21.76	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	43.52%
24) Chloroform-d	5.16	84	61267	5.42	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.82	65	31376	4.78	ug/L	0.08
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.84	84	112532	5.57	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
36) 1,2-Dichloropropane-d6	6.78	67	33543	5.13	ug/L	0.05
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.96	98	90073	4.75	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.23	79	12035	4.56	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.69	63	27025	24.60	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	49.20%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	32440	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.80%#
64) 1,2-Dichlorobenzene-d4	12.21	152	44181	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

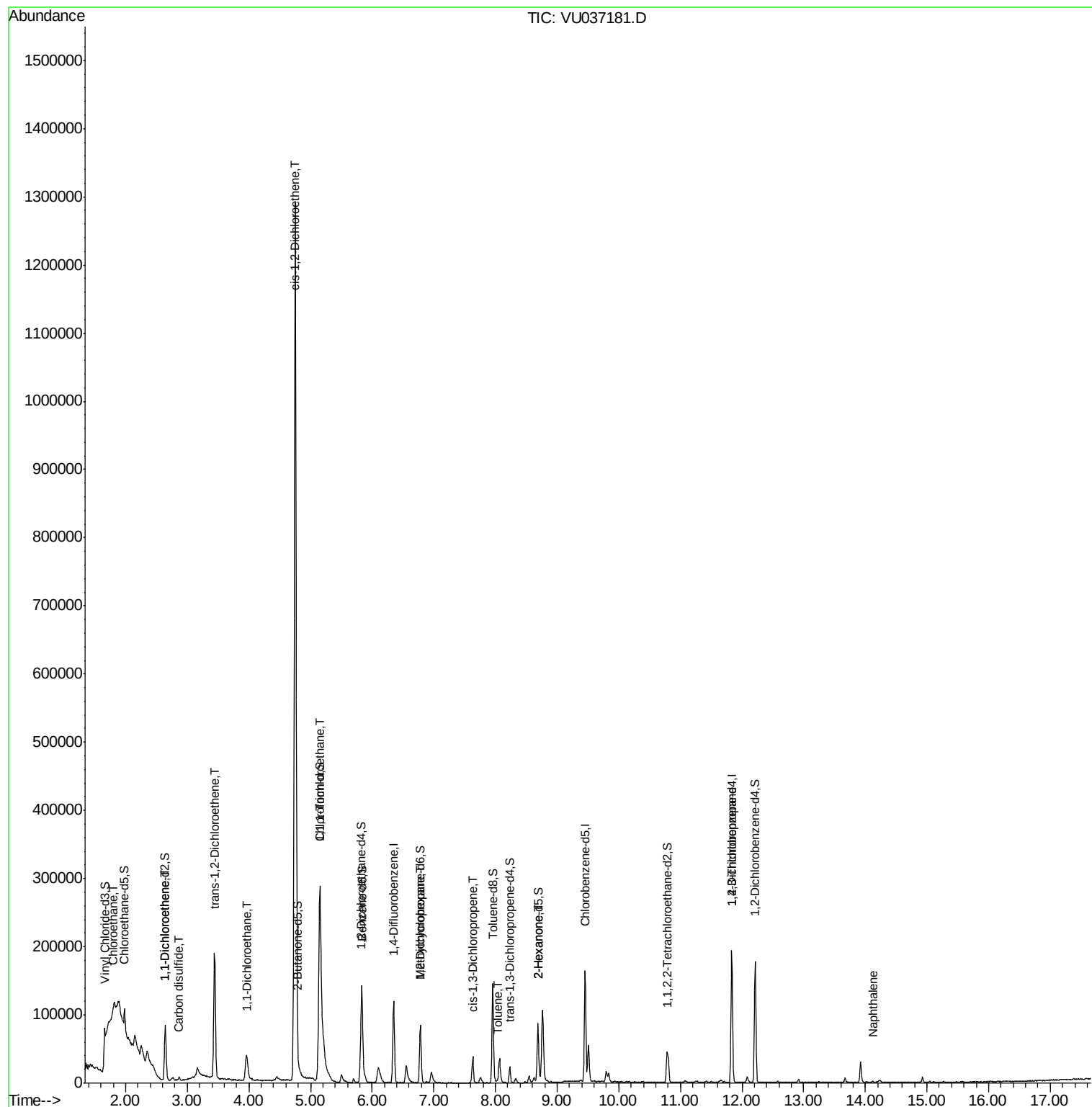
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.79	64	227944	53.684	ug/L #	53
12) 1,1-Dichloroethene	2.65	96	7396	1.346	ug/L #	10
14) Carbon disulfide	2.87	76	4555	0.250	ug/L #	83
18) trans-1,2-Dichloroethene	3.44	96	61604	10.600	ug/L	92
19) 1,1-Dichloroethane	3.97	63	27605	2.347	ug/L	92
22) cis-1,2-Dichloroethene	4.75	96	529993	82.875	ug/L	79
29) 1,1,1-Trichloroethane	5.14	97	5223	0.496	ug/L #	1
35) Methylcyclohexane	6.78	83	8049	0.793	ug/L #	18
39) cis-1,3-Dichloropropene	7.63	75	1253	0.136	ug/L #	65
42) Toluene	8.03	91	2561	0.098	ug/L	80
48) 2-Hexanone	8.68	43	3453	1.094	ug/L #	87
59) 1,2,3-Trichloropropane	11.83	75	7549	1.649	ug/L	92
69) Naphthalene	14.12	128	1353	0.124	ug/L #	91

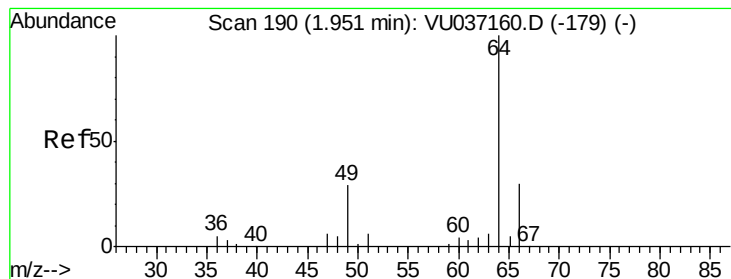
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031120\
Data File : VU037181.D
Acq On : 11 Mar 2020 21:14
Operator : JC/MD
Sample : L1891-05
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBER5

Quant Time: Mar 12 02:00:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Mar 12 01:55:55 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 53.684 ug/L

RT: 1.79 min Scan# 139

Delta R.T. -0.16 min

Lab File: VU037181.D

Acq: 11 Mar 2020 21:14

Instrument :

MSVOA_U

ClientSampleId :

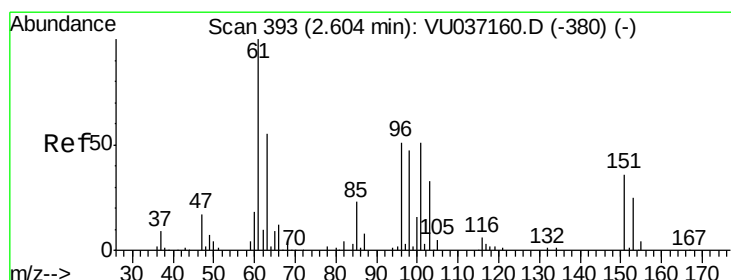
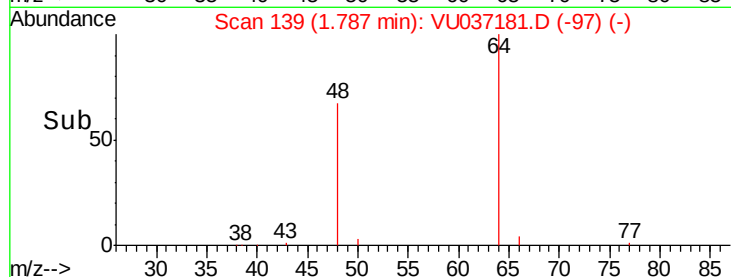
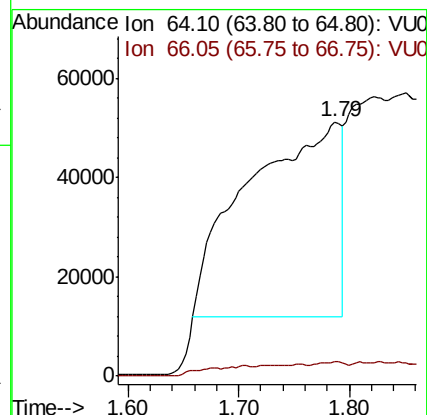
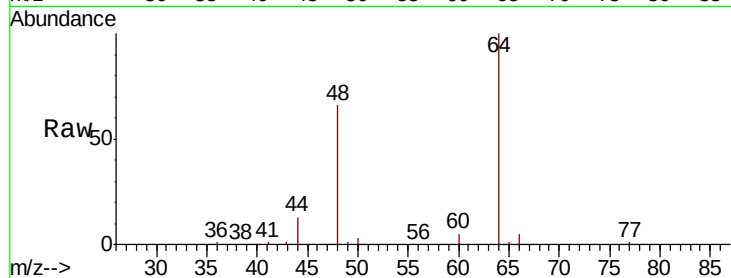
DBER5

Tot Ion: 64 Resp: 227944

Ion Ratio Lower Upper

64 100

66 5.5 22.0 40.8#



#12

1,1-Dichloroethene

Concen: 1.346 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.05 min

Lab File: VU037181.D

Acq: 11 Mar 2020 21:14

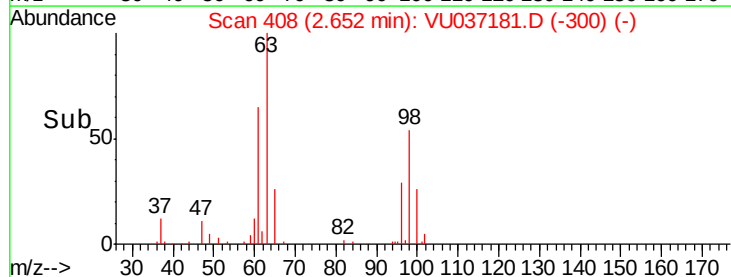
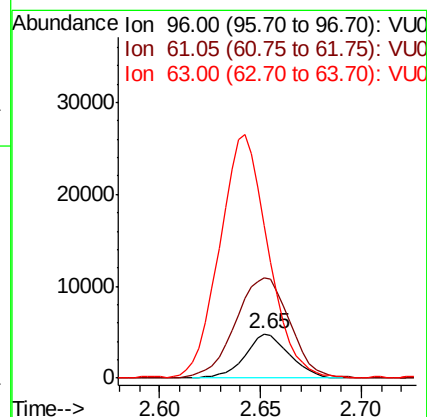
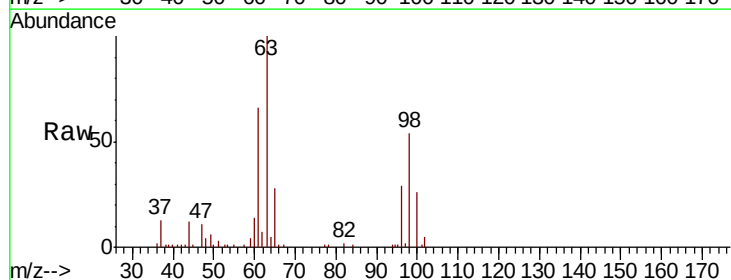
Tgt Ion: 96 Resp: 7396

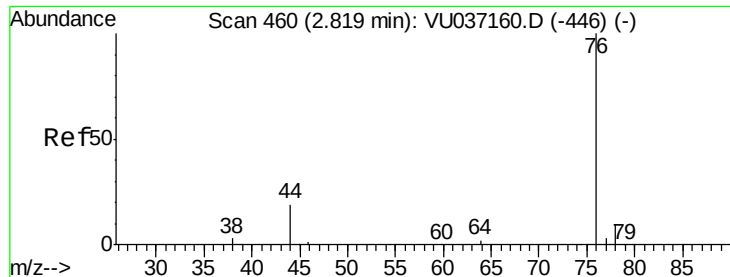
Ion Ratio Lower Upper

96 100

61 228.2 136.4 253.2

63 345.3 86.2 160.0#





#14

Carbon disulfide

Concen: 0.250 ug/L

RT: 2.87 min Scan# 475

Delta R.T. 0.05 min

Lab File: VU037181.D

Acq: 11 Mar 2020 21:14

Instrument :

MSVOA_U

ClientSampleId :

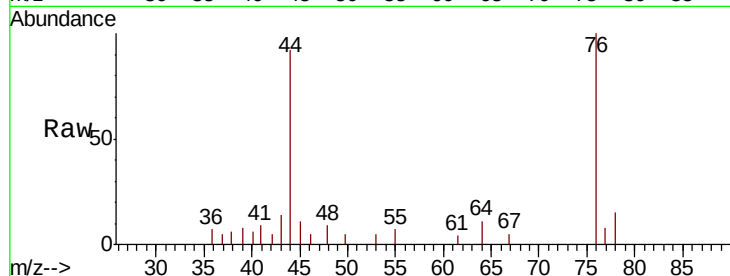
DBER5

Tot Ion: 76 Resp: 4555

Ion Ratio Lower Upper

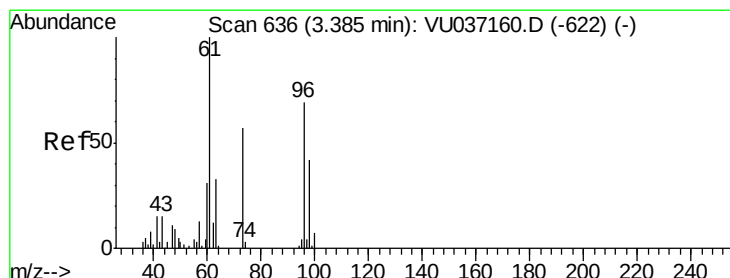
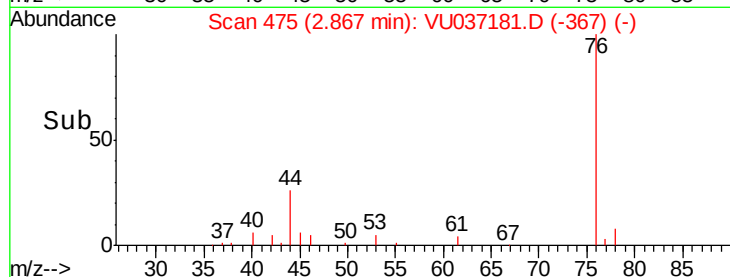
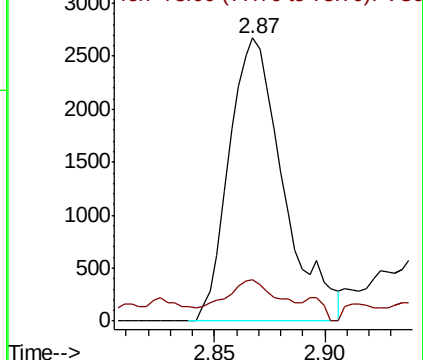
76 100

78 14.7 6.9 10.3#



Abundance Ion 76.05 (75.75 to 76.75): VU037160.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037160.D (-446) (-)



#18

trans-1,2-Dichloroethene

Concen: 10.600 ug/L

RT: 3.44 min Scan# 654

Delta R.T. 0.06 min

Lab File: VU037181.D

Acq: 11 Mar 2020 21:14

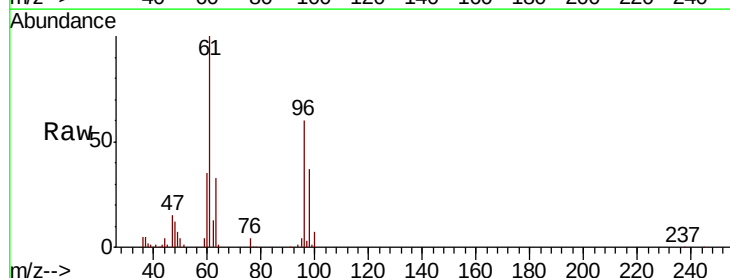
Tgt Ion: 96 Resp: 61604

Ion Ratio Lower Upper

96 100

61 167.1 107.2 199.2

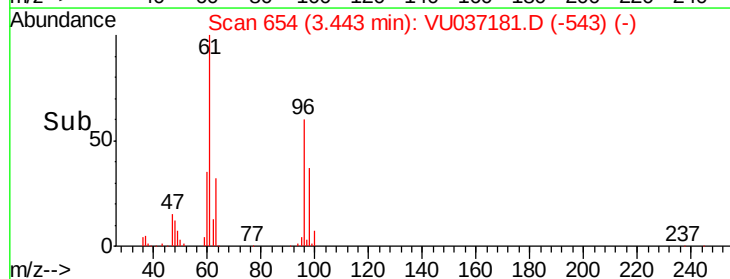
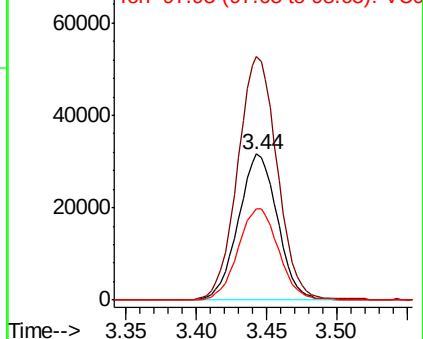
98 62.4 43.6 81.0

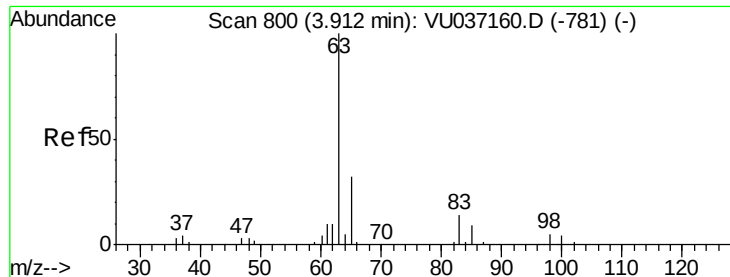


Abundance Ion 96.00 (95.70 to 96.70): VU037160.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU037160.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU037160.D (-622) (-)





#19

1,1-Dichloroethane

Concen: 2.347 ug/L

RT: 3.97 min Scan# 817

Delta R.T. 0.05 min

Lab File: VU037181.D

Acq: 11 Mar 2020 21:14

Instrument :

MSVOA_U

ClientSampled :

DBER5

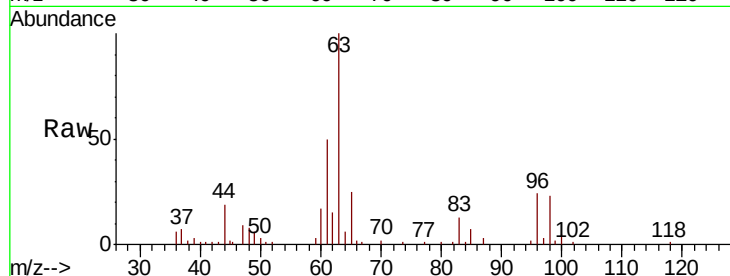
Tot Ion: 63 Resp: 27605

Ion Ratio Lower Upper

63 100

65 25.3 21.3 39.5

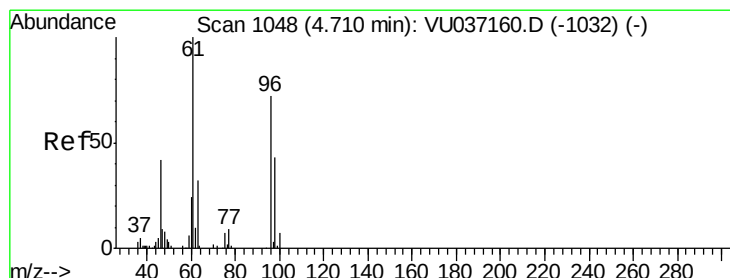
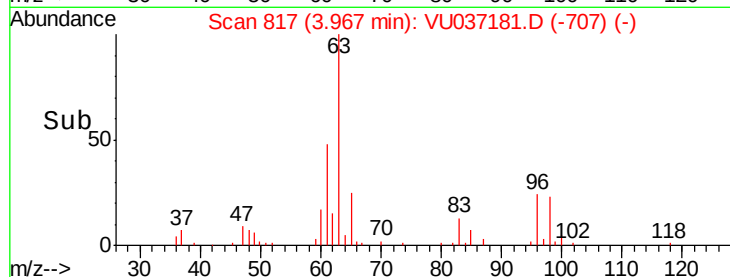
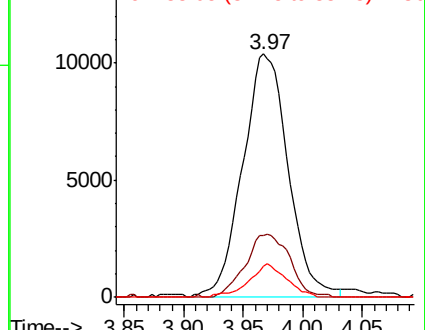
83 12.7 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 82.875 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.04 min

Lab File: VU037181.D

Acq: 11 Mar 2020 21:14

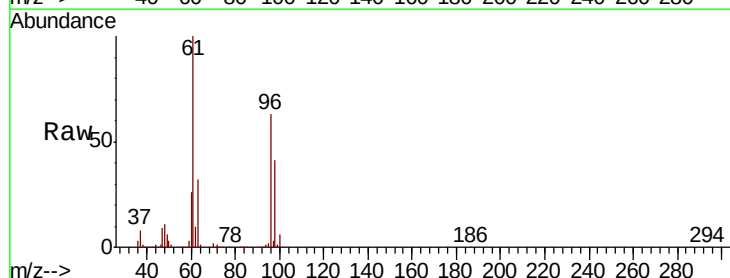
Tgt Ion: 96 Resp: 529993

Ion Ratio Lower Upper

96 100

61 159.2 94.1 174.8

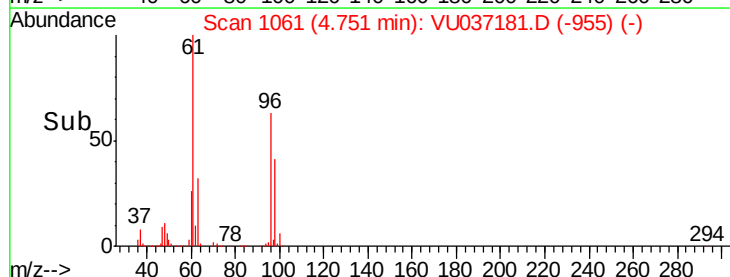
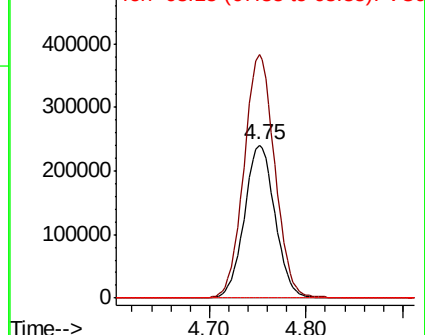
68 0.0 0.0 0.0

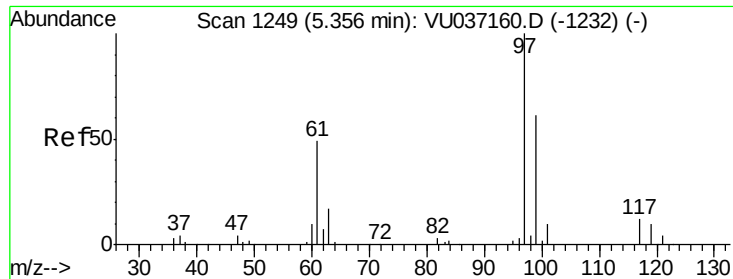


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

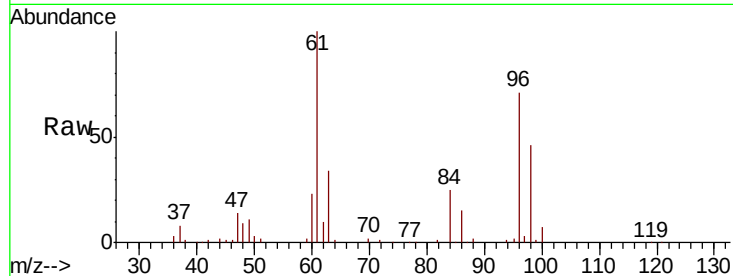




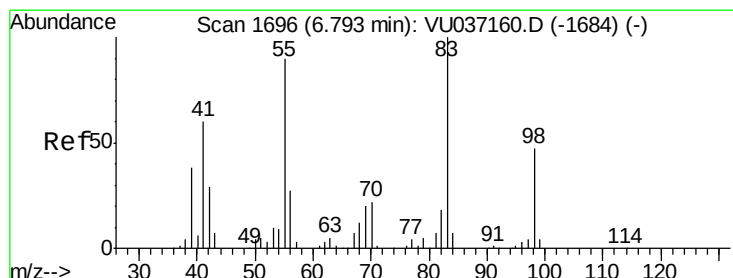
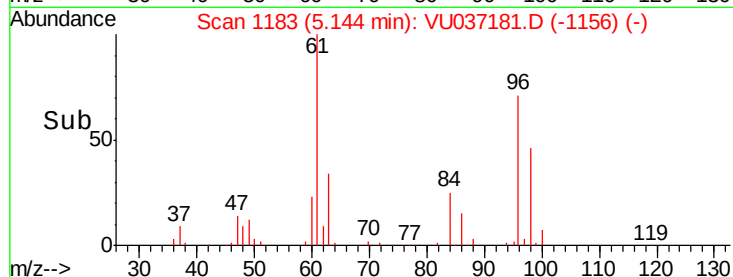
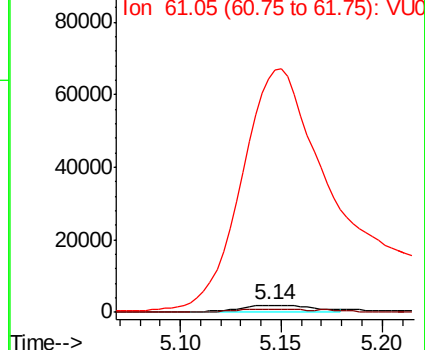
#29
 1,1,1-Trichloroethane
 Concen: 0.496 ug/L
 RT: 5.14 min Scan# 1183
 Delta R.T. -0.21 min
 Lab File: VU037181.D
 Acq: 11 Mar 2020 21:14

Instrument :
 MSVOA_U
 ClientSampleId :
 DBER5

Tot Ion: 97 Resp: 5223
 Ion Ratio Lower Upper
 97 100
 99 20.8 52.4 78.6#
 61 4595.4 40.6 61.0#

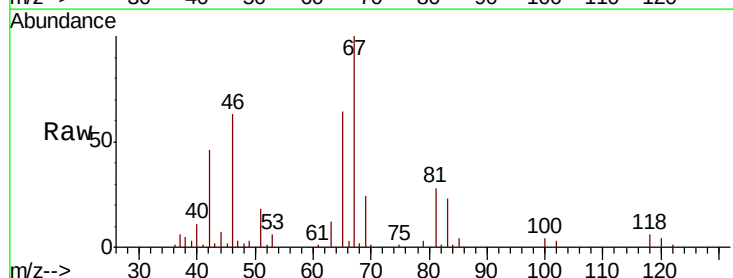


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

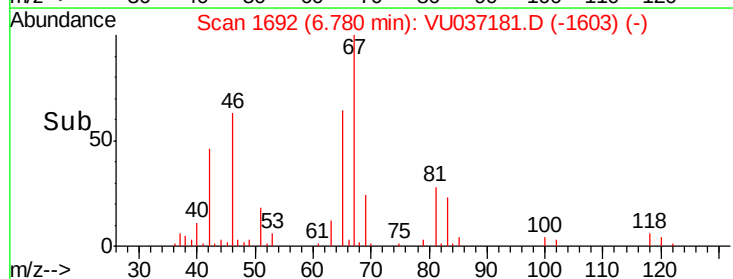
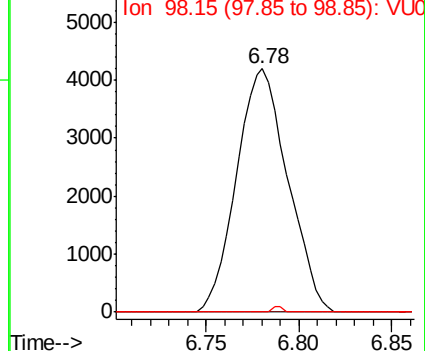


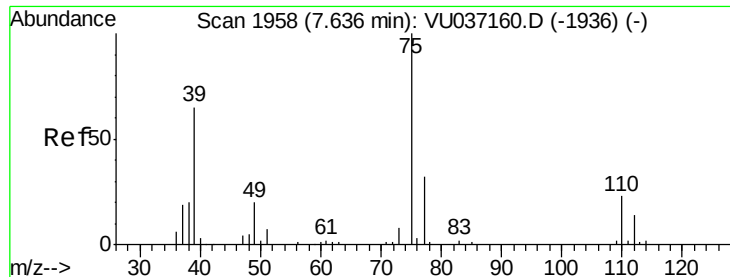
#35
 Methylcyclohexane
 Concen: 0.793 ug/L
 RT: 6.78 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: VU037181.D
 Acq: 11 Mar 2020 21:14

Tgt Ion: 83 Resp: 8049
 Ion Ratio Lower Upper
 83 100
 55 4.4 68.1 102.1#
 98 0.5 37.0 55.4#



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#39

cis-1,3-Dichloropropene

Concen: 0.136 ug/L

RT: 7.63 min Scan# 1956

Delta R.T. -0.01 min

Lab File: VU037181.D

Acq: 11 Mar 2020 21:14

Instrument :

MSVOA_U

ClientSampleId :

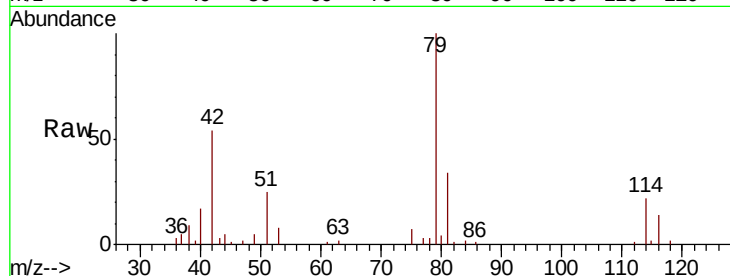
DBER5

Tot Ion: 75 Resp: 1253

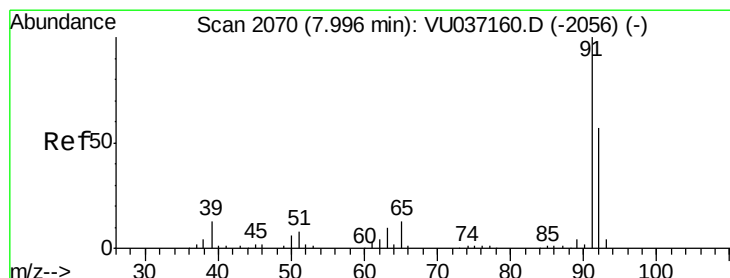
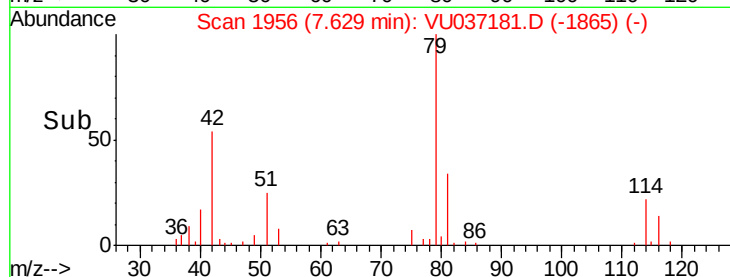
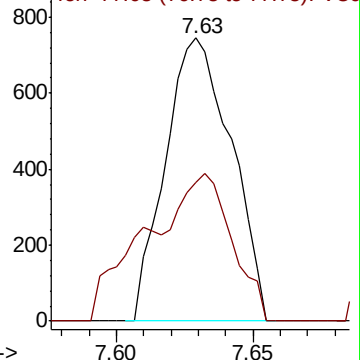
Ion Ratio Lower Upper

75 100

77 49.0 21.1 39.1#



Abundance Ion 75.05 (74.75 to 75.75): VU037160.D (-1936) (-)



#42

Toluene

Concen: 0.098 ug/L

RT: 8.03 min Scan# 2080

Delta R.T. 0.03 min

Lab File: VU037181.D

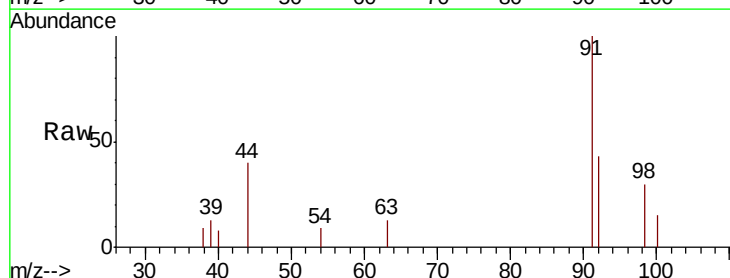
Acq: 11 Mar 2020 21:14

Tgt Ion: 91 Resp: 2561

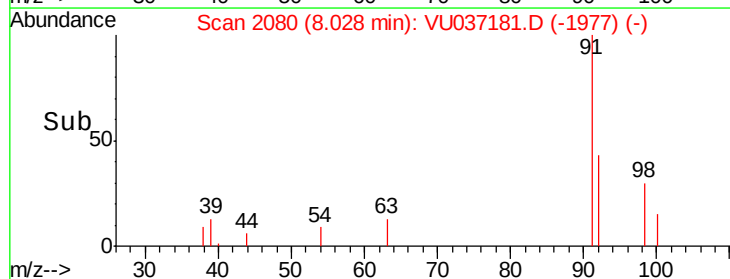
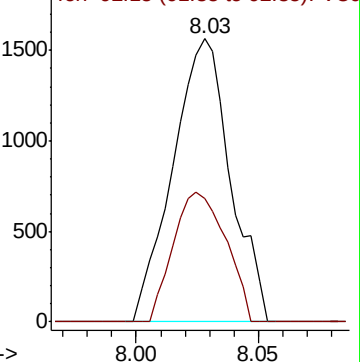
Ion Ratio Lower Upper

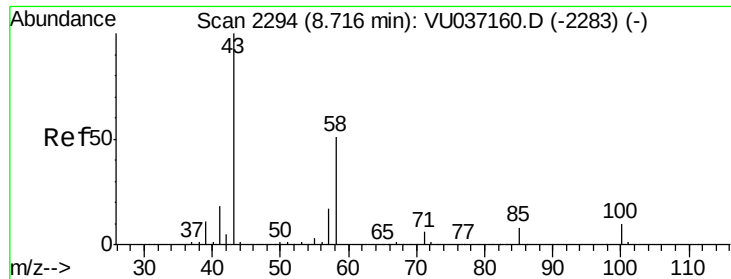
91 100

92 43.5 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU037160.D (-2056) (-)

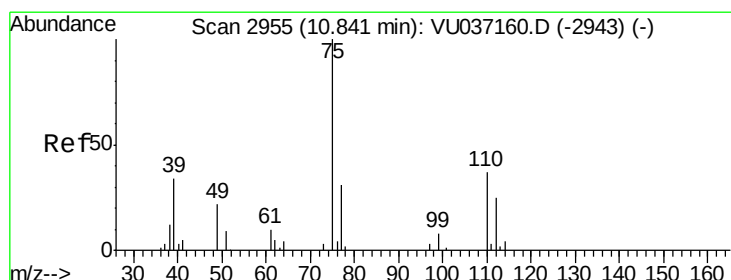
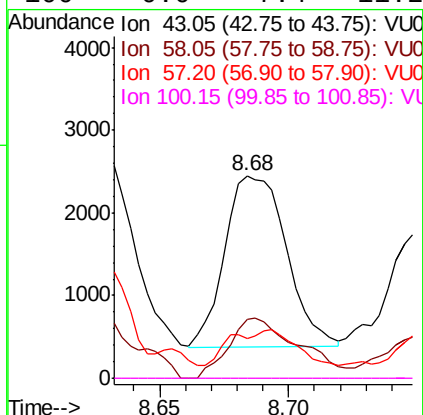
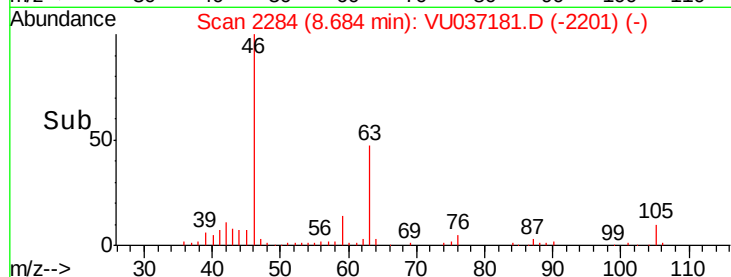
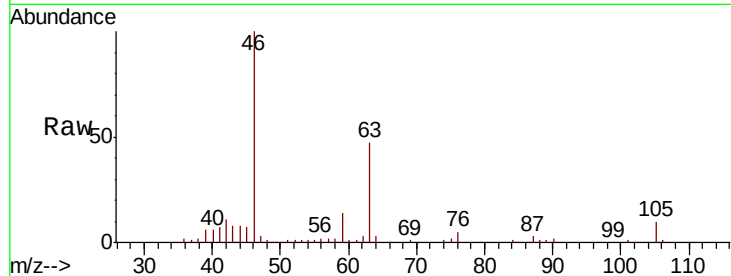




#48
2-Hexanone
Concen: 1.094 ug/L
RT: 8.68 min Scan# 2284
Delta R.T. -0.03 min
Lab File: VU037181.D
Acq: 11 Mar 2020 21:14

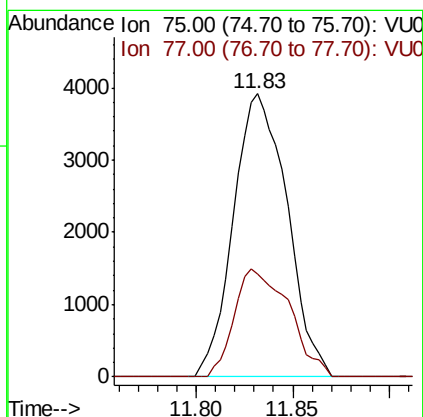
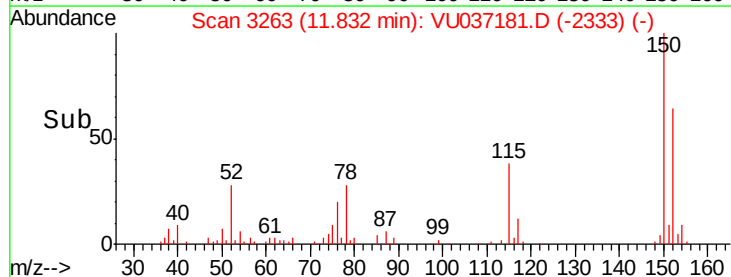
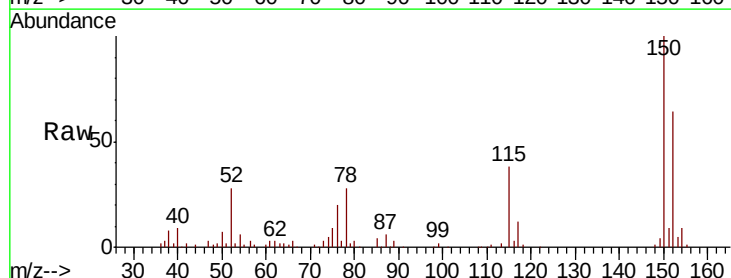
Instrument :
MSVOA_U
ClientSampleId :
DBER5

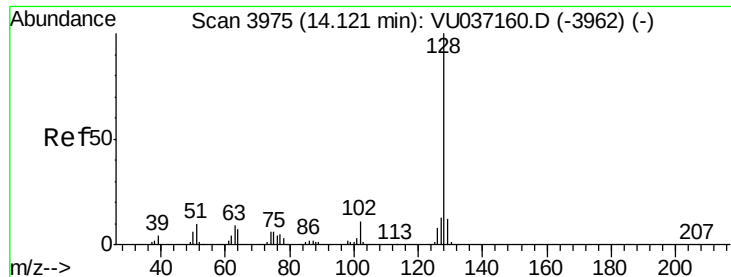
Tot Ion: 43 Resp: 3453
Ion Ratio Lower Upper
43 100
58 40.1 38.6 58.0
57 12.9 13.6 20.4#
100 0.0 7.4 11.2#



#59
1,2,3-Trichloropropane
Concen: 1.649 ug/L
RT: 11.83 min Scan# 3263
Delta R.T. 0.99 min
Lab File: VU037181.D
Acq: 11 Mar 2020 21:14

Tgt Ion: 75 Resp: 7549
Ion Ratio Lower Upper
75 100
77 38.9 27.4 41.0





#69

Naphthalene

Concen: 0.124 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU037181.D

Acq: 11 Mar 2020 21:14

Instrument :

MSVOA_U

ClientSampleId :

DBER5

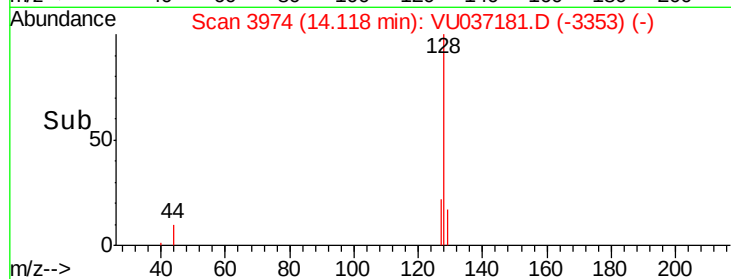
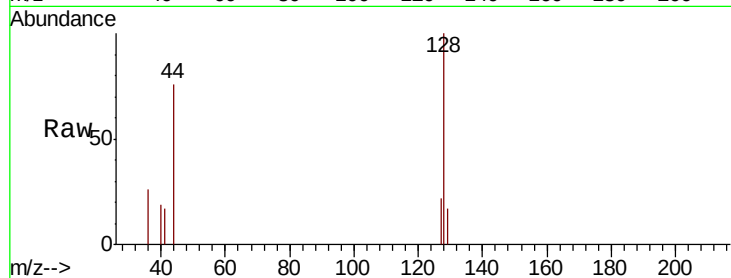
Tot Ion:128 Resp: 1353

Ion Ratio Lower Upper

128 100

129 5.8 8.6 12.8#

127 10.8 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

