

Data File : VU028973.D
Acq On : 27 Dec 2018 19:05
Operator : MD/SY
Sample : J6506-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF029

Quant Time: Dec 28 03:11:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 28 03:05:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	123752	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	115430	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54510	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31012	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.68	69	28148	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.27	63	45428	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.20	46	88816	51.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.62%
24) Chloroform-d	4.65	84	62296	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.31	65	31363	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.34	84	132835	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.33	67	43891	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.56	98	118813	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.85	79	15805	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.31	63	75401	50.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34060	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	45640	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

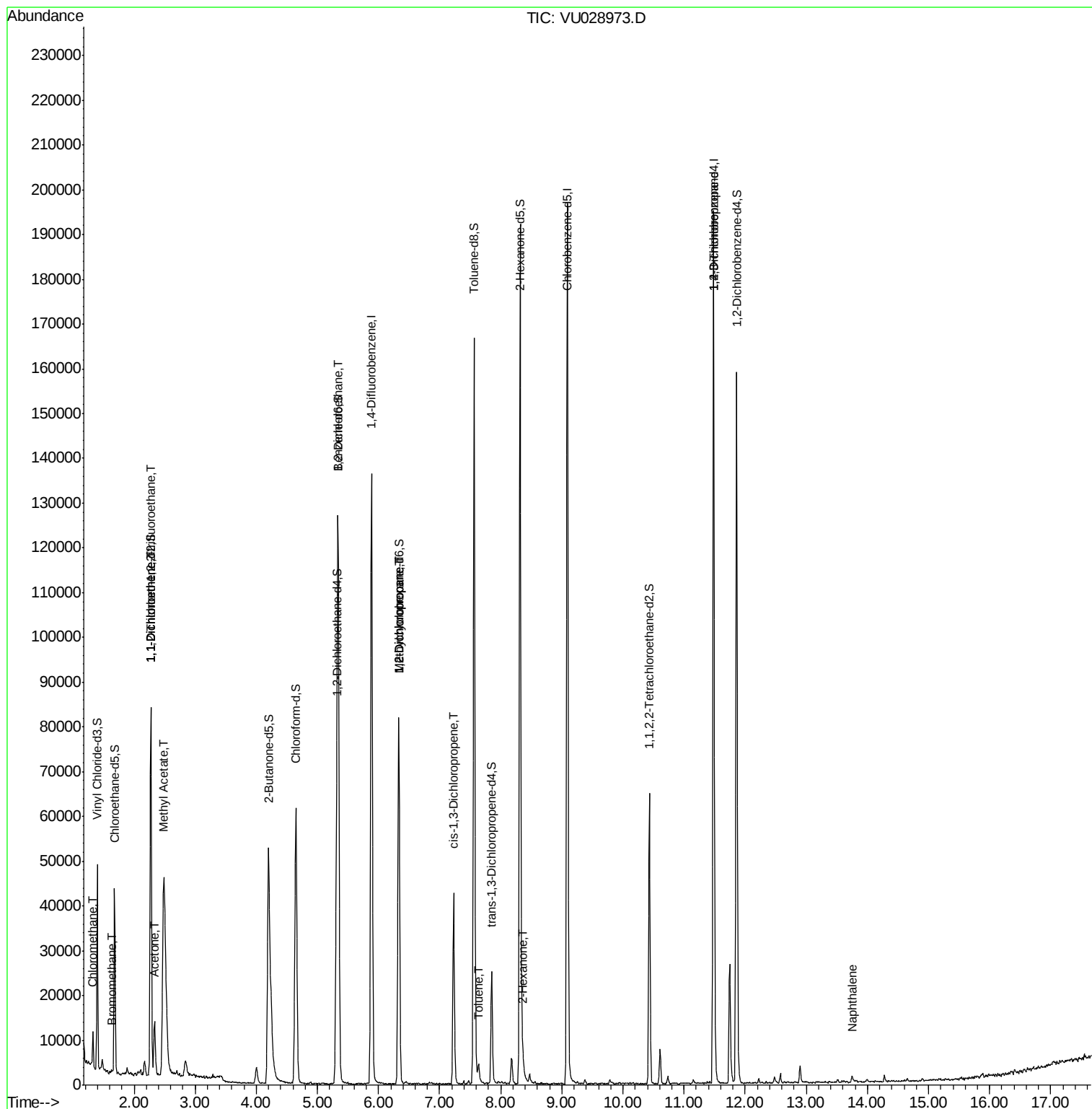
					Qvalue
3) Chloromethane	1.32	50	5271	0.436 ug/L	99
6) Bromomethane	1.63	94	273	0.048 ug/L #	61
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	463	0.051 ug/L #	19
12) 1,1-Dichloroethene	2.27	96	487	0.055 ug/L #	1
13) Acetone	2.33	43	13624	9.751 ug/L	95
15) Methyl Acetate	2.49	43	19780	4.832 ug/L #	49
27) 1,2-Dichloroethane	5.34	62	523	0.056 ug/L #	73
35) Methylcyclohexane	6.33	83	9712	0.599 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	4304	0.458 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1001	0.074 ug/L #	56
42) Toluene	7.64	91	3331	0.084 ug/L	96
48) 2-Hexanone	8.37	43	1378	0.398 ug/L #	83
59) 1,2,3-Trichloropropane	11.48	75	6159	1.124 ug/L	92
69) Naphthalene	13.75	128	2223	0.109 ug/L #	83

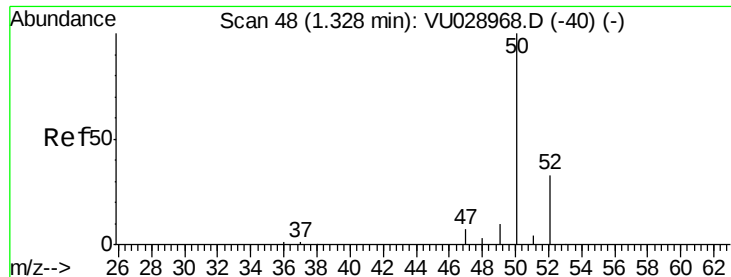
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.436 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028973.D

Acq: 27 Dec 2018 19:05

Instrument :

MSVOA_U

ClientSampled :

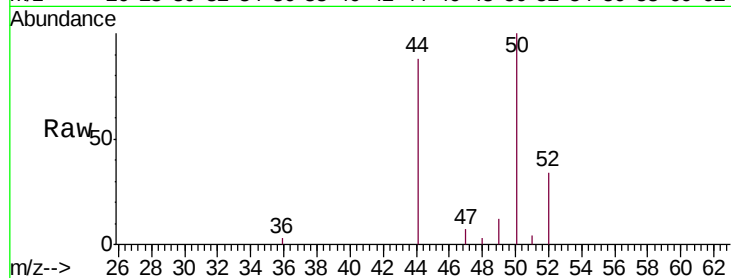
BF029

Tgt Ion: 50 Resp: 5271

Ion Ratio Lower Upper

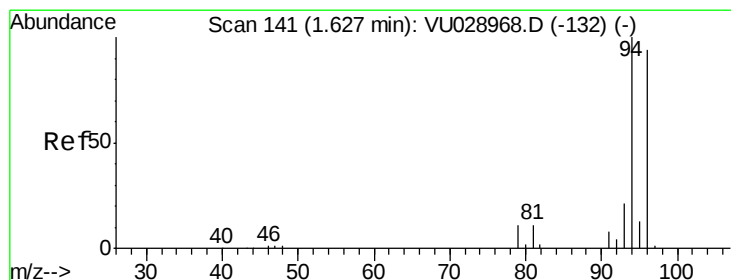
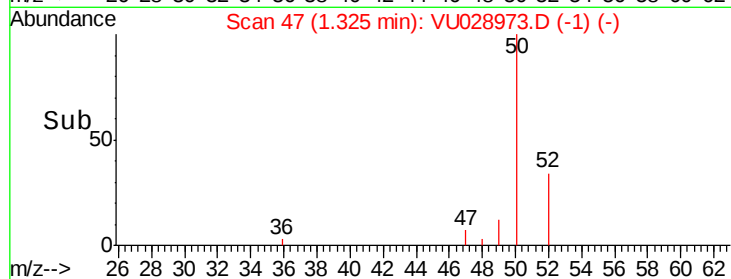
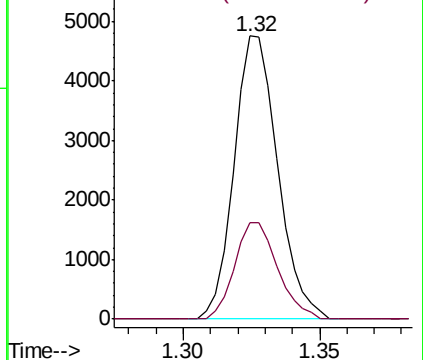
50 100

52 34.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#6

Bromomethane

Concen: 0.048 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.01 min

Lab File: VU028973.D

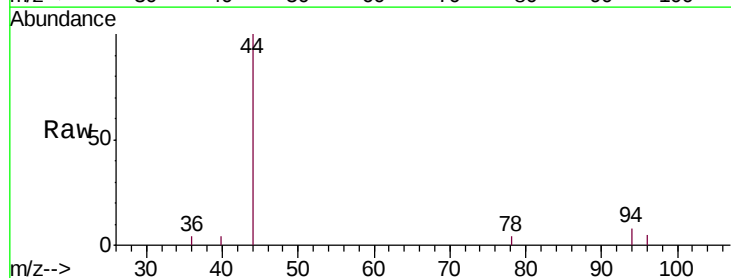
Acq: 27 Dec 2018 19:05

Tgt Ion: 94 Resp: 273

Ion Ratio Lower Upper

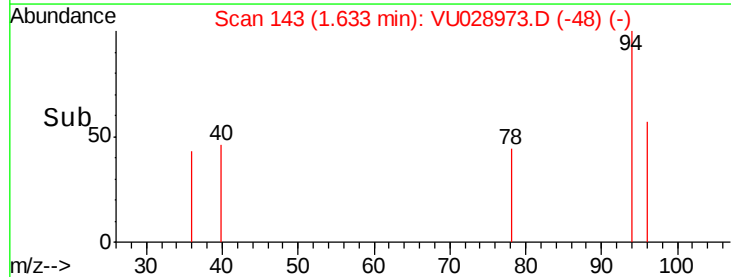
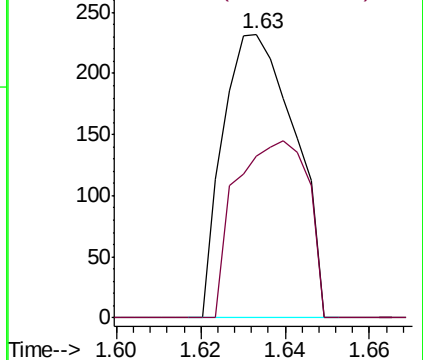
94 100

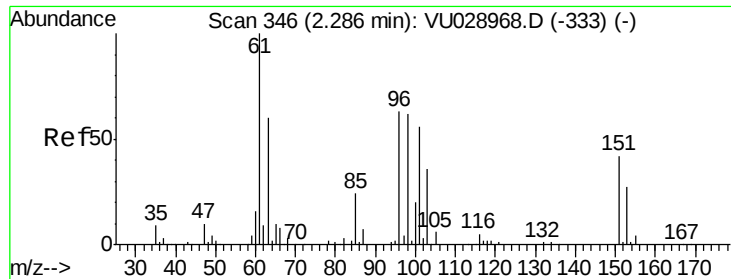
96 56.9 66.0 122.6#



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#10

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

Concen: 0.051 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU028973.D

Acq: 27 Dec 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

BF029

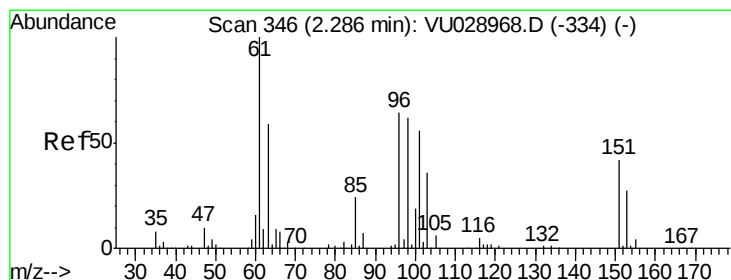
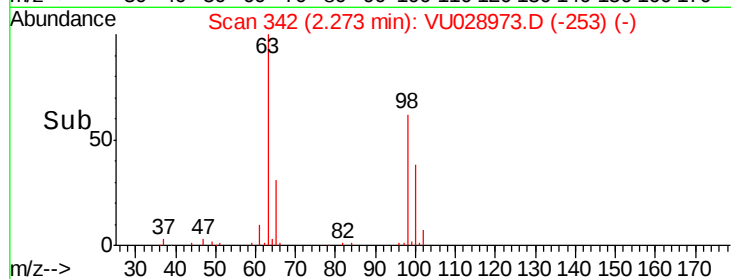
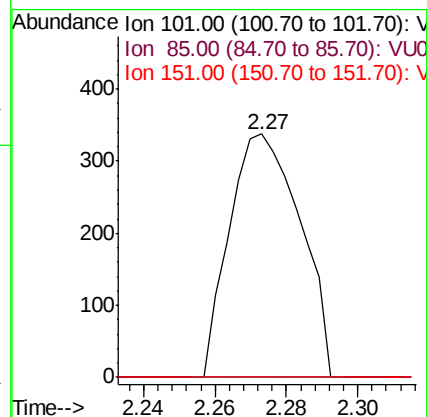
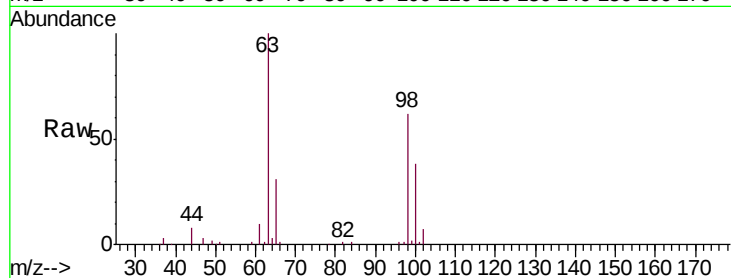
Tgt Ion: 101 Resp: 463

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 60.9 91.3#



#12

1,1-Dichloroethene

Concen: 0.055 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU028973.D

Acq: 27 Dec 2018 19:05

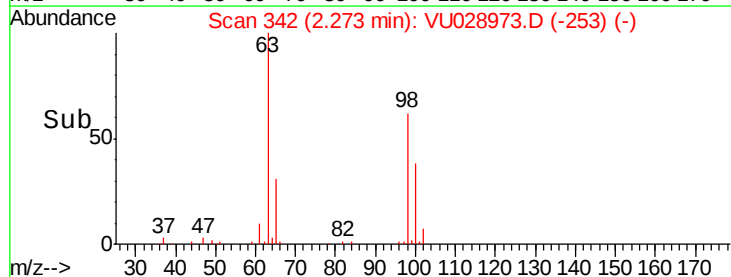
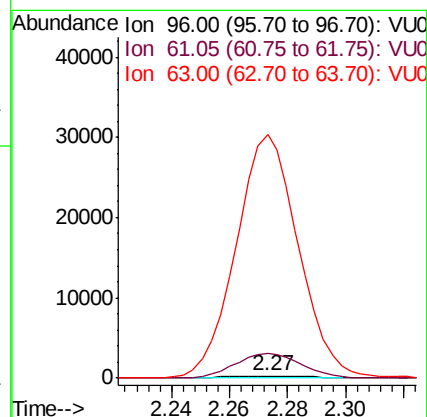
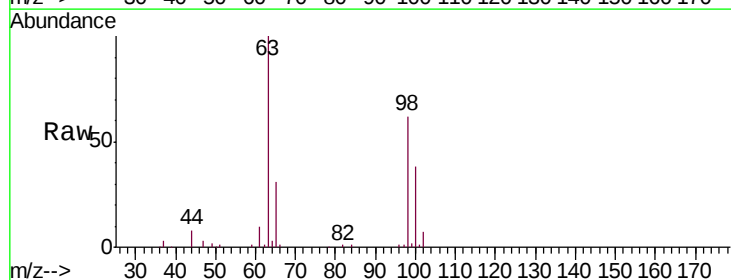
Tgt Ion: 96 Resp: 487

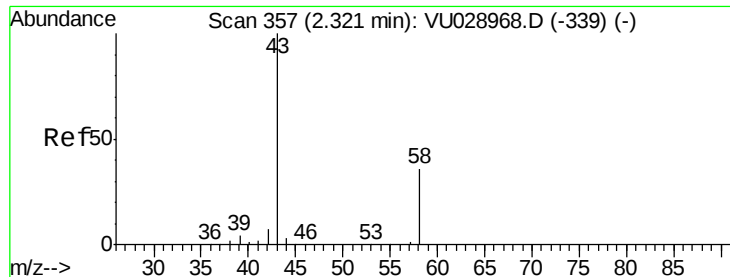
Ion Ratio Lower Upper

96 100

61 1160.3 110.5 205.3#

63 11364.8 67.6 125.6#





#13

Acetone

Concen: 9.751 ug/L

RT: 2.33 min Scan# 361

Delta R.T. 0.01 min

Lab File: VU028973.D

Acq: 27 Dec 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

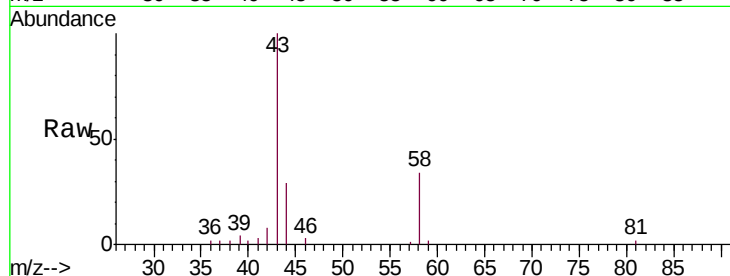
BF029

Tgt Ion: 43 Resp: 13624

Ion Ratio Lower Upper

43 100

58 33.1 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.33

8000

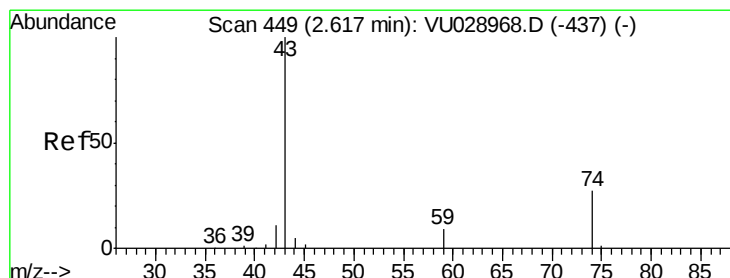
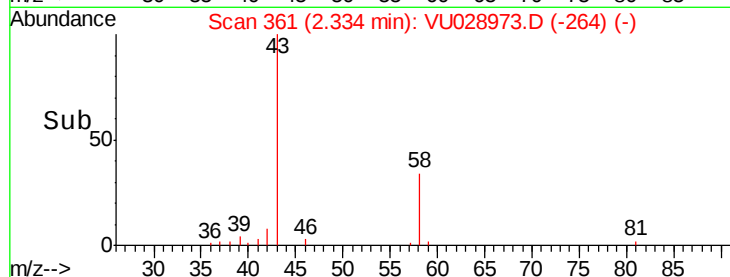
6000

4000

2000

0

Time-->



#15

Methyl Acetate

Concen: 4.832 ug/L

RT: 2.49 min Scan# 409

Delta R.T. -0.13 min

Lab File: VU028973.D

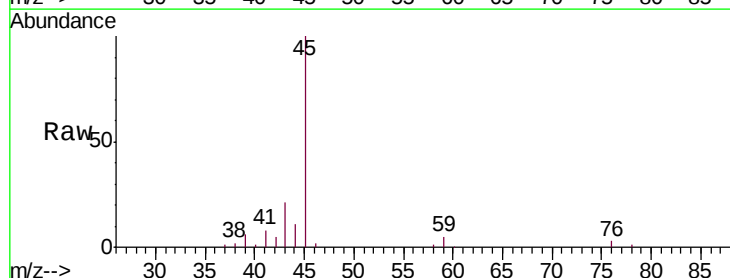
Acq: 27 Dec 2018 19:05

Tgt Ion: 43 Resp: 19780

Ion Ratio Lower Upper

43 100

74 0.0 20.6 30.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.49

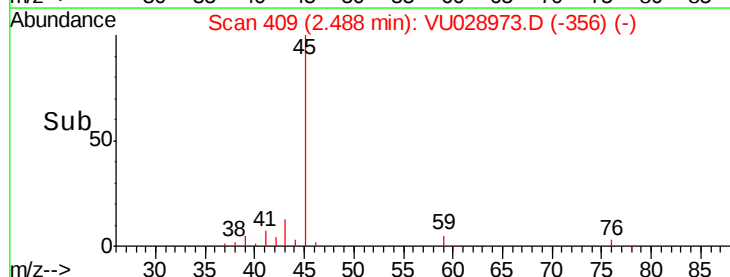
6000

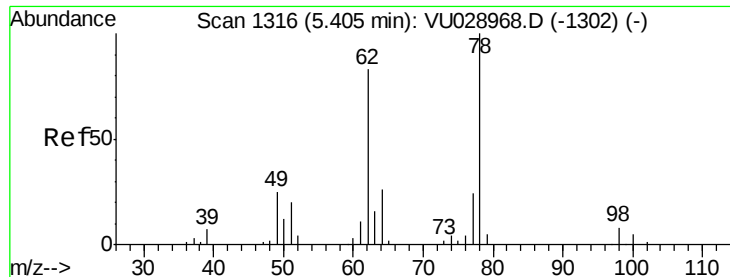
4000

2000

0

Time-->

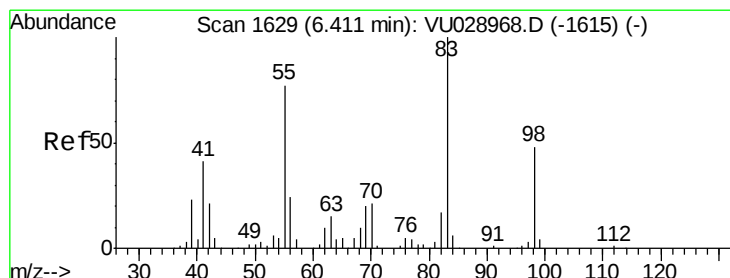
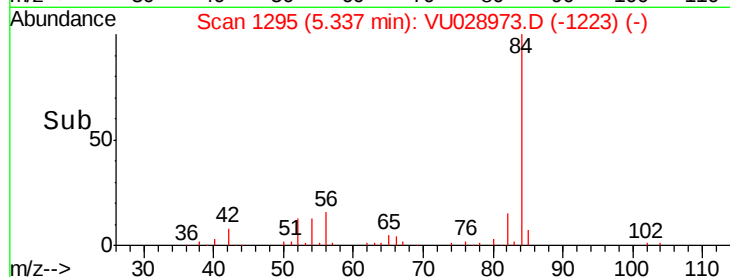
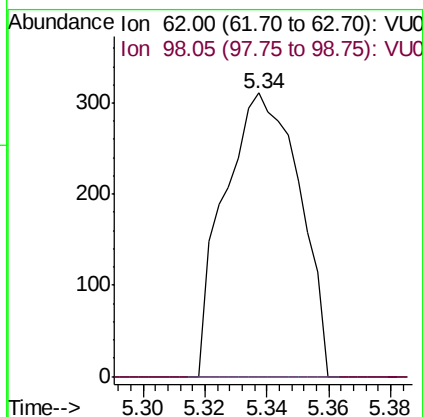
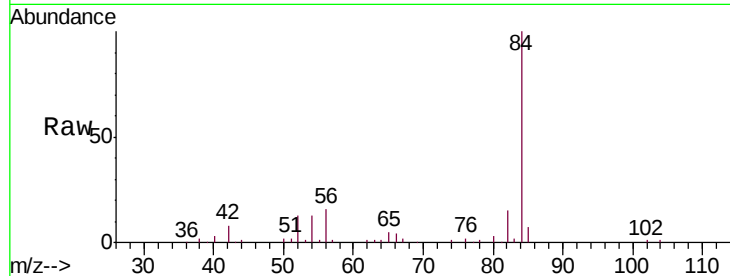




#27
 1,2-Dichloroethane
 Concen: 0.056 ug/L
 RT: 5.34 min Scan# 1295
 Delta R.T. -0.07 min
 Lab File: VU028973.D
 Acq: 27 Dec 2018 19:05

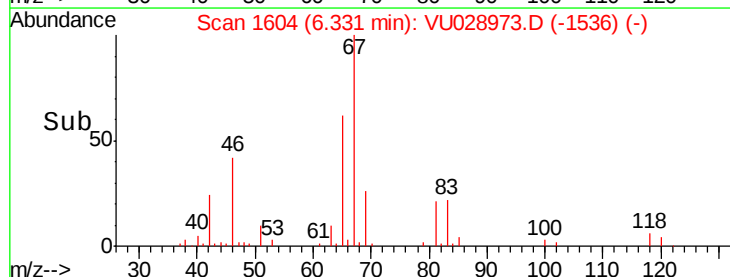
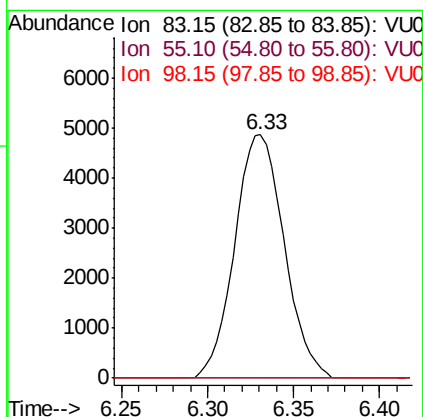
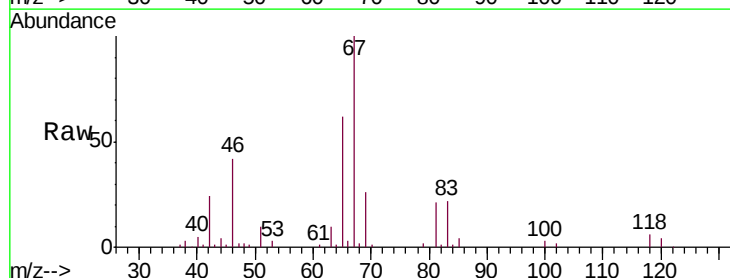
Instrument :
 MSVOA_U
 ClientSampleId :
 BF029

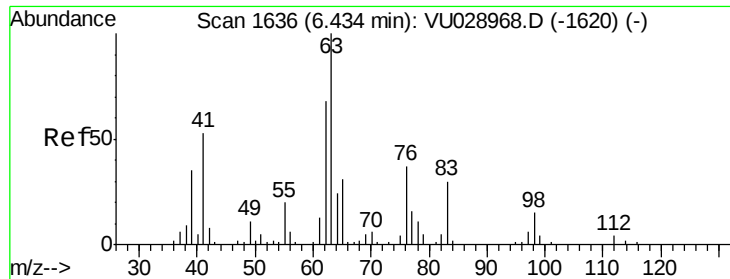
Tgt Ion: 62 Resp: 523
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#35
 Methylcyclohexane
 Concen: 0.599 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.08 min
 Lab File: VU028973.D
 Acq: 27 Dec 2018 19:05

Tgt Ion: 83 Resp: 9712
 Ion Ratio Lower Upper
 83 100
 55 0.0 59.8 89.6#
 98 0.0 37.0 55.6#

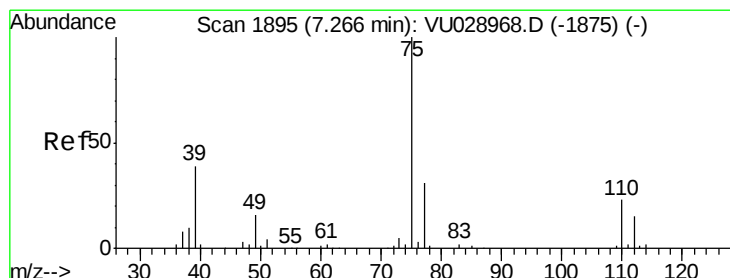
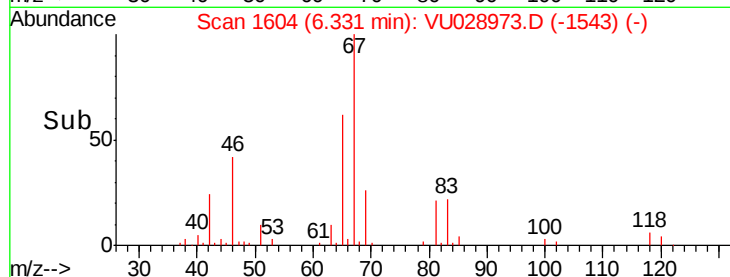
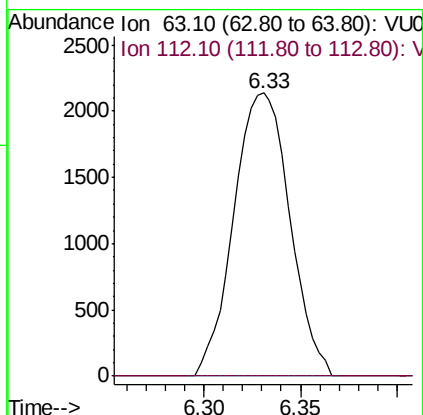
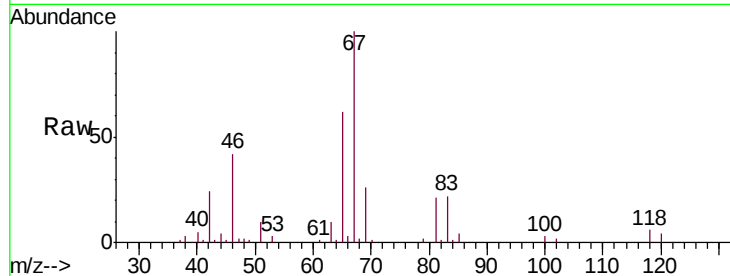




#37
 1,2-Dichloropropane
 Concen: 0.458 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028973.D
 Acq: 27 Dec 2018 19:05

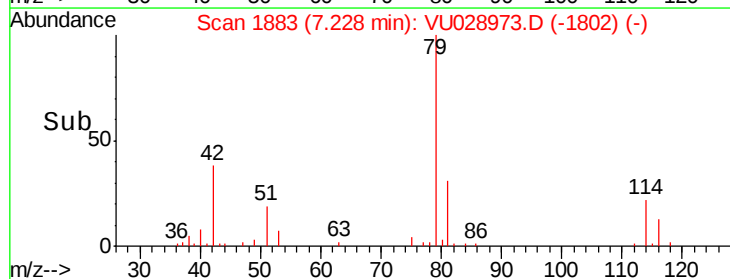
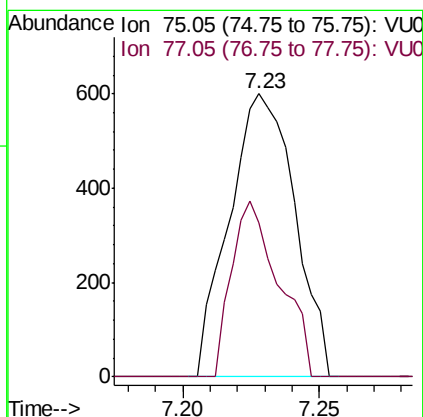
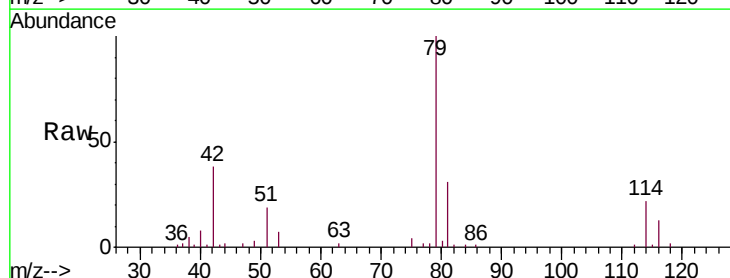
Instrument :
 MSVOA_U
 ClientSampleId :
 BF029

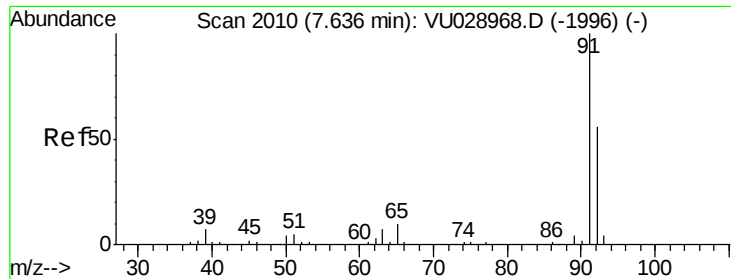
Tgt Ion: 63 Resp: 4304
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028973.D
 Acq: 27 Dec 2018 19:05

Tgt Ion: 75 Resp: 1001
 Ion Ratio Lower Upper
 75 100
 77 54.7 21.5 39.9#





#42

Toluene

Concen: 0.084 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028973.D

Acq: 27 Dec 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

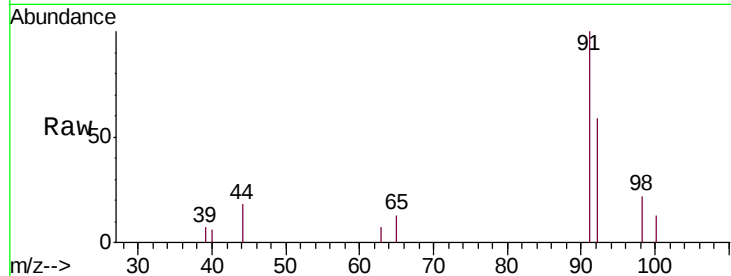
BF029

Tgt Ion: 91 Resp: 3331

Ion Ratio Lower Upper

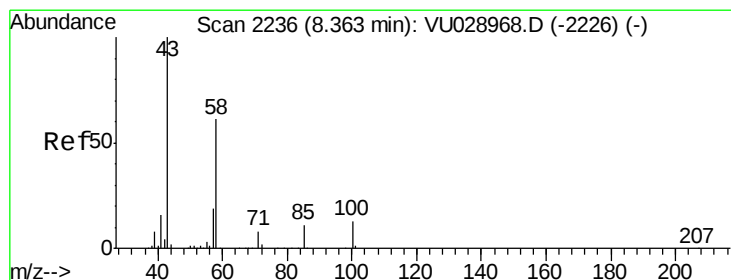
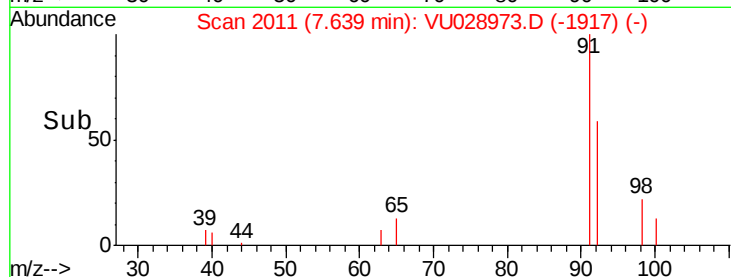
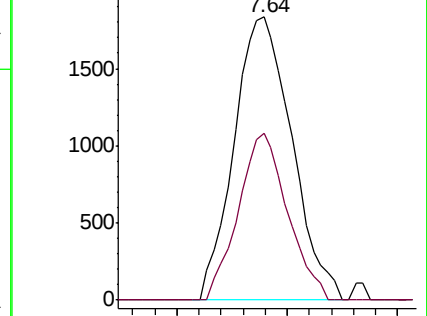
91 100

92 59.1 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#48

2-Hexanone

Concen: 0.398 ug/L

RT: 8.37 min Scan# 2238

Delta R.T. 0.01 min

Lab File: VU028973.D

Acq: 27 Dec 2018 19:05

Tgt Ion: 43 Resp: 1378

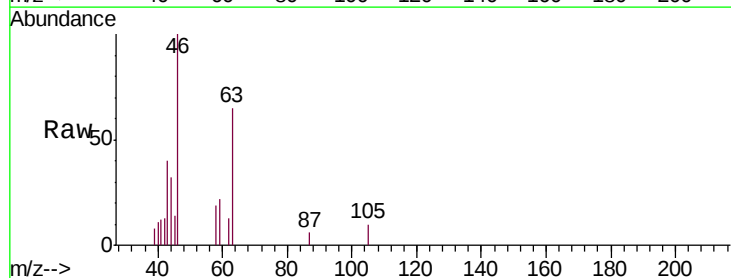
Ion Ratio Lower Upper

43 100

58 53.5 48.8 73.2

57 6.2 16.0 24.0#

100 0.0 10.2 15.4#

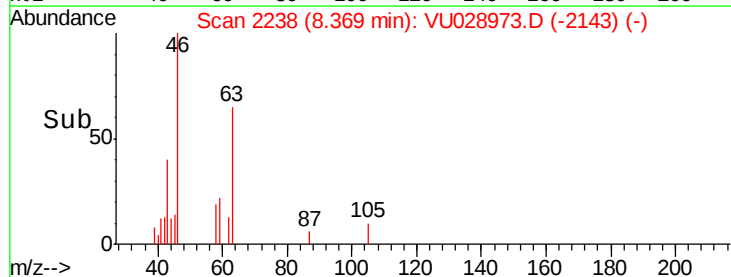
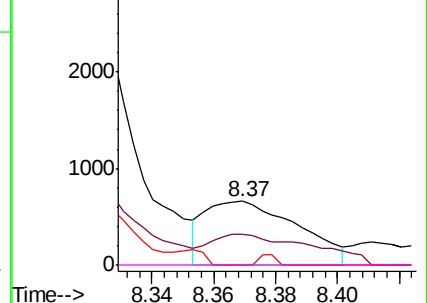


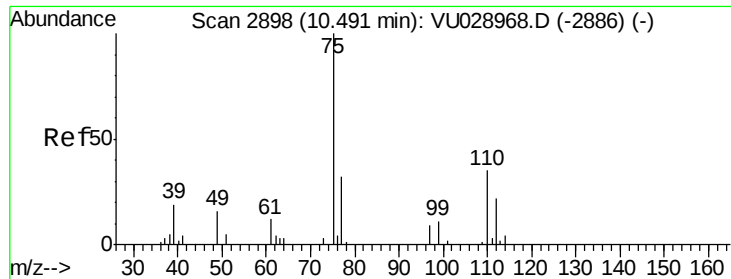
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.124 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028973.D

Acq: 27 Dec 2018 19:05

Instrument :

MSVOA_U

ClientSampleId :

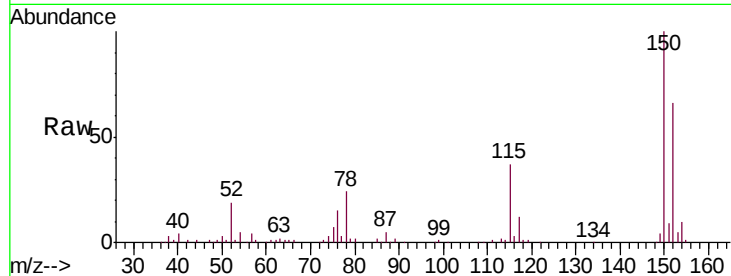
BF029

Tgt Ion: 75 Resp: 6159

Ion Ratio Lower Upper

75 100

77 36.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU028973.D (-2276) (-)

Ion 77.00 (76.70 to 77.70): VU028973.D (-2276) (-)

11.48

4000

3000

2000

1000

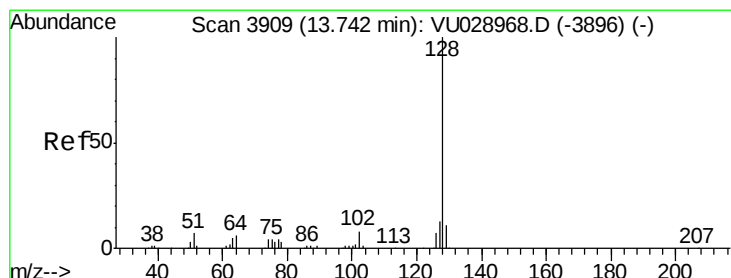
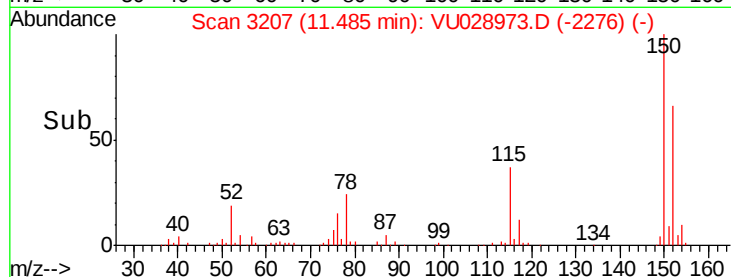
0

11.45

11.50

11.55

Time-->



#69

Naphthalene

Concen: 0.109 ug/L

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU028973.D

Acq: 27 Dec 2018 19:05

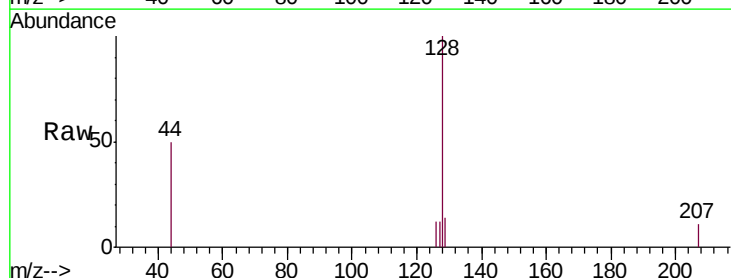
Tgt Ion: 128 Resp: 2223

Ion Ratio Lower Upper

128 100

129 5.0 8.3 12.5#

127 4.5 9.8 14.6#



Abundance Ion 128.00 (127.70 to 128.70): VU028973.D (-3287) (-)

Ion 129.00 (128.70 to 129.70): VU028973.D (-3287) (-)

Ion 127.00 (126.70 to 127.70): VU028973.D (-3287) (-)

13.75

1200

1000

800

600

400

200

0

13.70

13.75

13.80

Time-->

