

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052220\
 Data File : VU038281.D
 Acq On : 22 May 2020 16:43
 Operator : JC/MD
 Sample : L2724-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 22 22:21:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 22:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	344497	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	333830	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	165251	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	104140	3.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	1.93	69	92986	3.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.20%
11) 1,1-Dichloroethene-d2	2.59	63	155929	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	4.66	46	388940	50.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.06%
24) Chloroform-d	5.10	84	215933	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.74	65	124787	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.76	84	447670	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.72	67	145141	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.92	98	397022	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.20	79	55208	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.65	63	303505	49.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.40%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	115512	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	156619	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

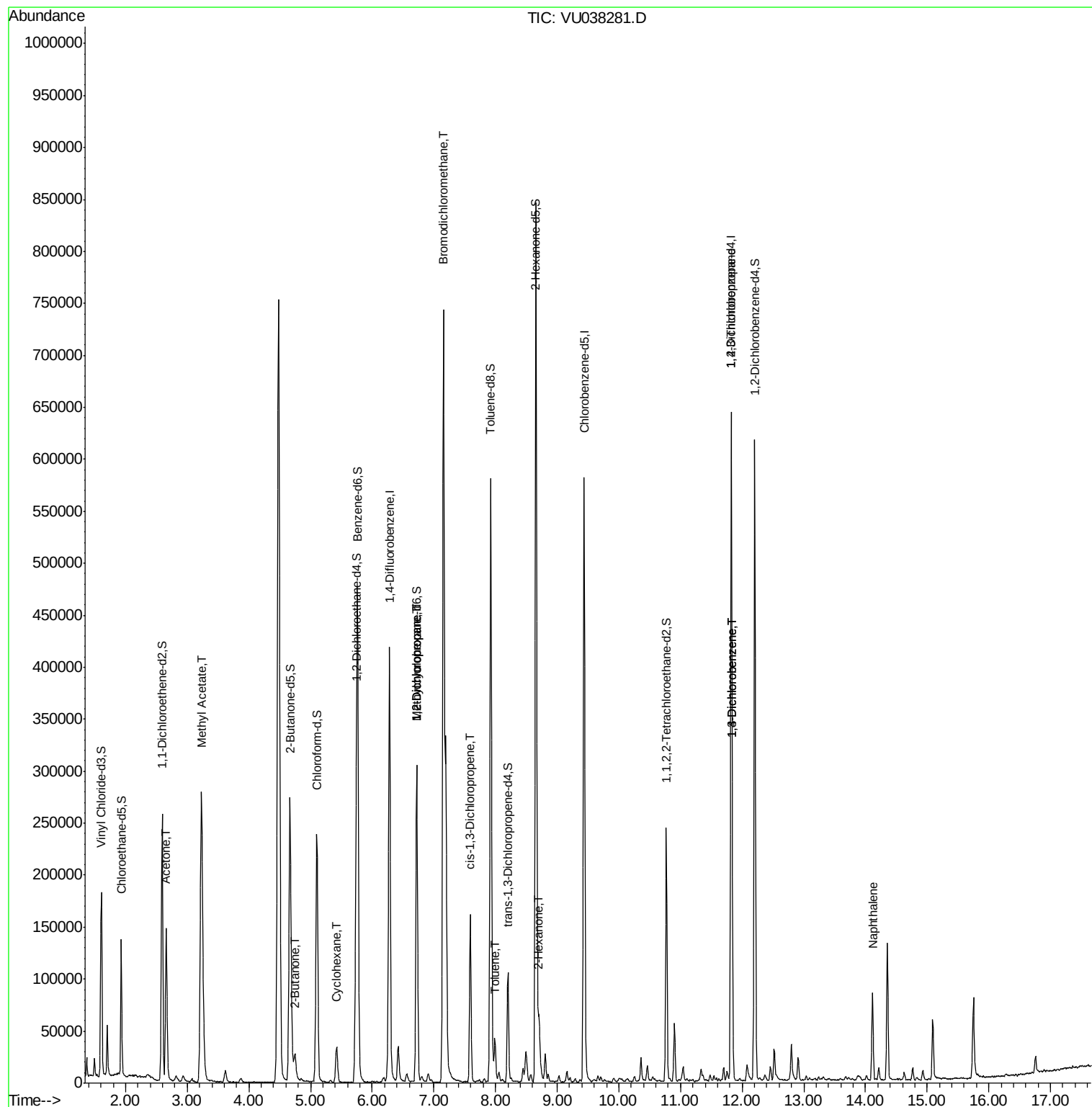
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	176291	36.142	ug/L	100
15) Methyl Acetate	3.23	43	56219	4.120	ug/L #	53
21) 2-Butanone	4.75	43	31799	3.693	ug/L	99
30) Cyclohexane	5.42	56	16723	0.370	ug/L	96
35) Methylcyclohexane	6.72	83	34239	0.791	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	15762	0.543	ug/L #	88
38) Bromodichloromethane	7.16	83	6760	0.201	ug/L #	1
39) cis-1,3-Dichloropropene	7.59	75	3946	0.095	ug/L	83
42) Toluene	7.99	91	25676	0.228	ug/L	96
48) 2-Hexanone	8.71	43	35448	2.405	ug/L	97
59) 1,2,3-Trichloropropane	11.82	75	25678	1.318	ug/L	96
62) 1,3-Dichlorobenzene	11.85	146	12763	0.237	ug/L	92
63) 1,4-Dichlorobenzene	11.85	146	12763	0.234	ug/L	89
69) Naphthalene	14.11	128	65878	0.884	ug/L	100

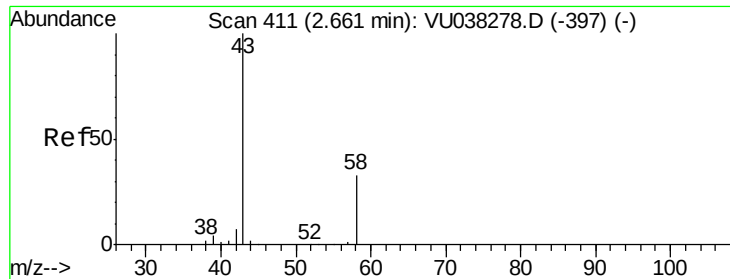
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 36.142 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU038281.D

Acq: 22 May 2020 16:43

Instrument :

MSVOA_U

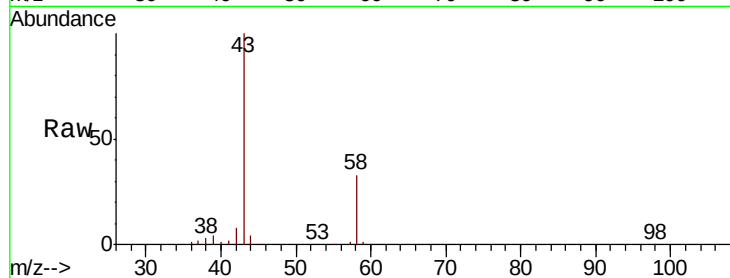
ClientSampled :

Tot Ion: 43 Resp: 176291

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038281.D (-410) (-)

Ion 58.05 (57.75 to 58.75): VU038281.D (-410) (-)

2.66

100000

80000

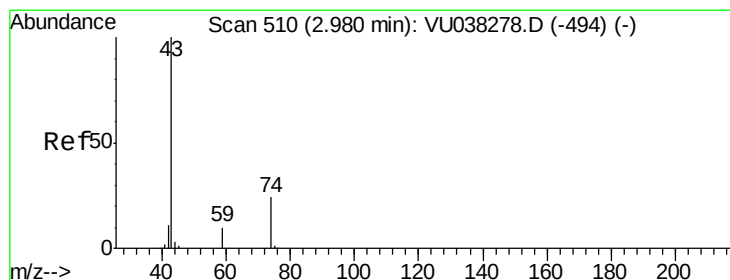
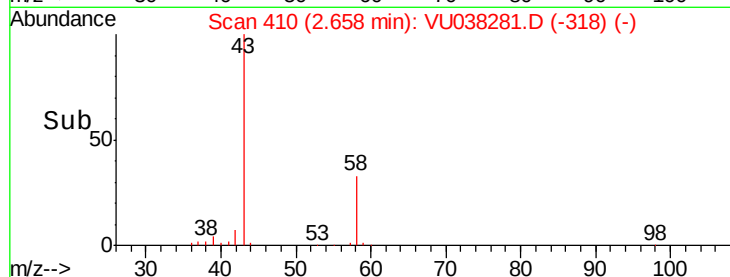
60000

40000

20000

0

Time-->



#15

Methyl Acetate

Concen: 4.120 ug/L

RT: 3.23 min Scan# 589

Delta R.T. 0.25 min

Lab File: VU038281.D

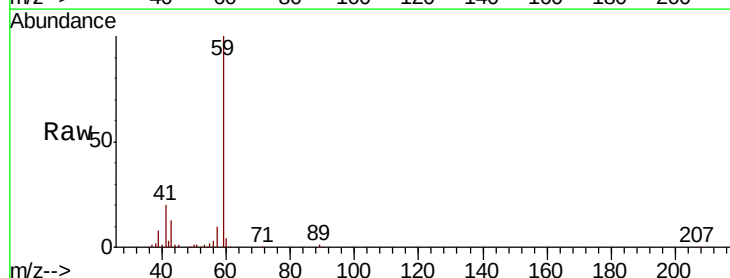
Acq: 22 May 2020 16:43

Tgt Ion: 43 Resp: 56219

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#



Abundance Ion 43.05 (42.75 to 43.75): VU038281.D (-417) (-)

Ion 74.05 (73.75 to 74.75): VU038281.D (-417) (-)

3.23

20000

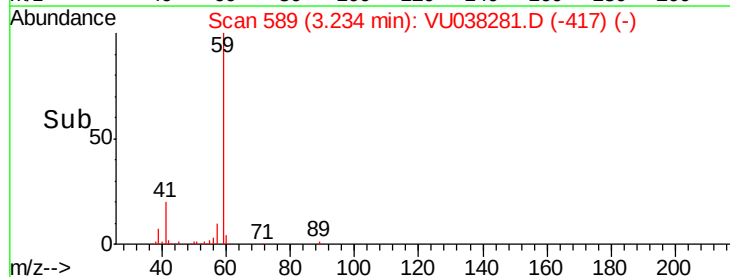
15000

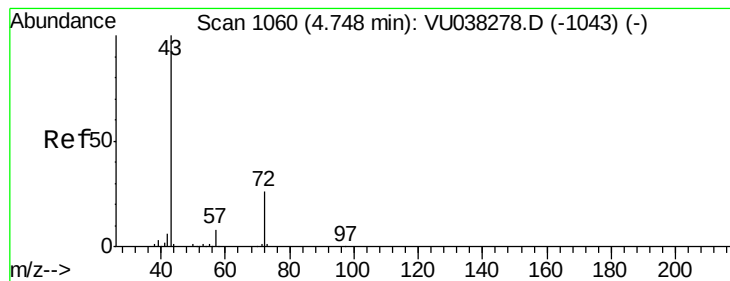
10000

5000

0

Time-->





#21

2-Butanone

Concen: 3.693 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU038281.D

Acq: 22 May 2020 16:43

Instrument :

MSVOA_U

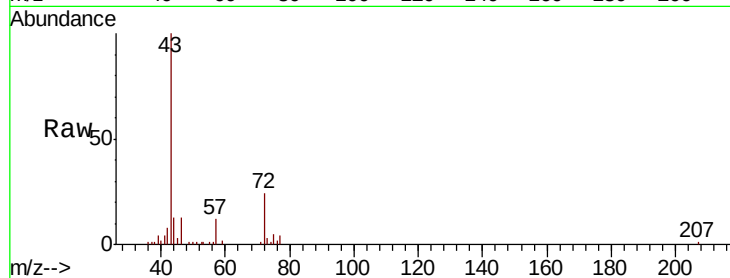
ClientSampled :

Tot Ion: 43 Resp: 31799

Ion Ratio Lower Upper

43 100

72 26.5 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU038281.D (-1043) (-)

Ion 72.10 (71.80 to 72.80): VU038281.D (-1043) (-)

4.75

15000

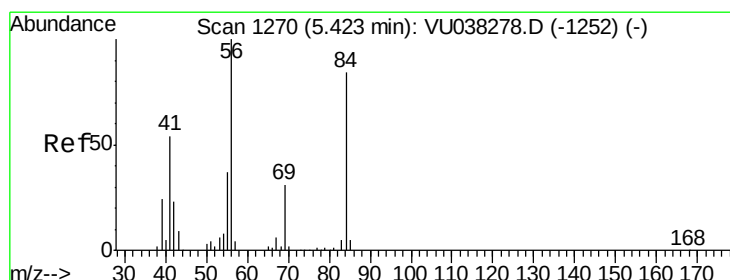
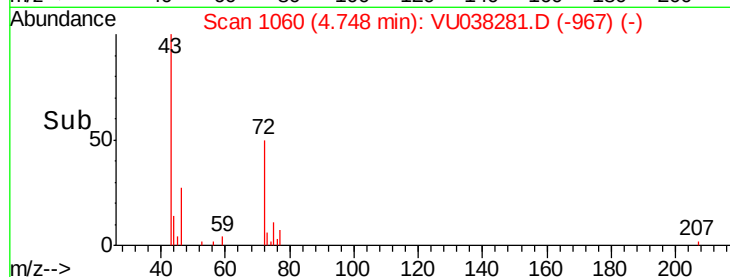
10000

5000

0

4.70 4.75 4.80

Time-->



#30

Cyclohexane

Concen: 0.370 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU038281.D

Acq: 22 May 2020 16:43

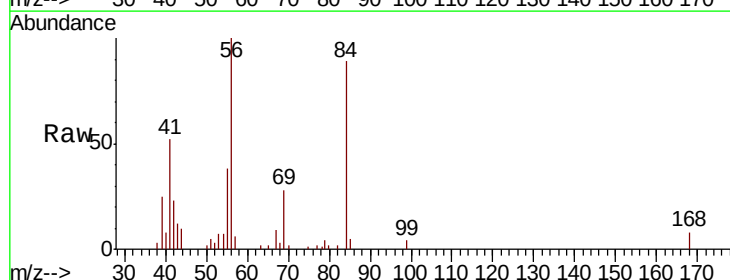
Tgt Ion: 56 Resp: 16723

Ion Ratio Lower Upper

56 100

69 29.7 24.2 36.4

84 90.4 68.5 102.7



Abundance Ion 56.10 (55.80 to 56.80): VU038281.D (-1252) (-)

Ion 69.15 (68.85 to 69.85): VU038281.D (-1252) (-)

Ion 84.15 (83.85 to 84.85): VU038281.D (-1252) (-)

5.42

10000

8000

6000

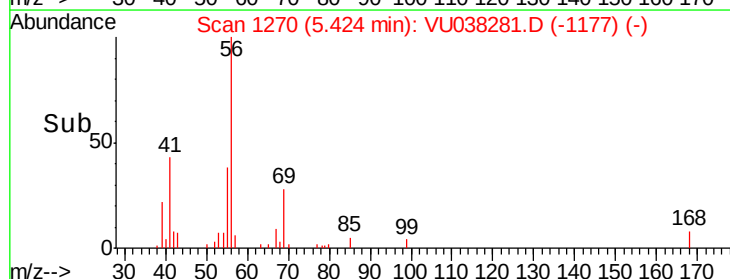
4000

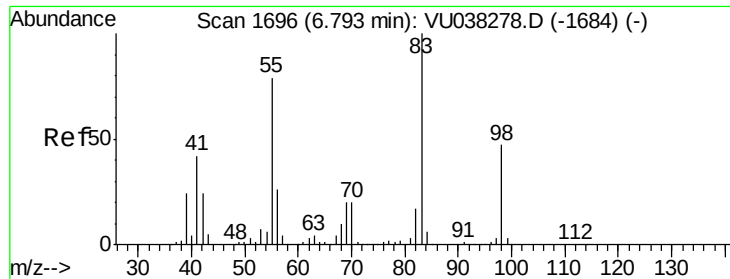
2000

0

5.35 5.40 5.45 5.50

Time-->

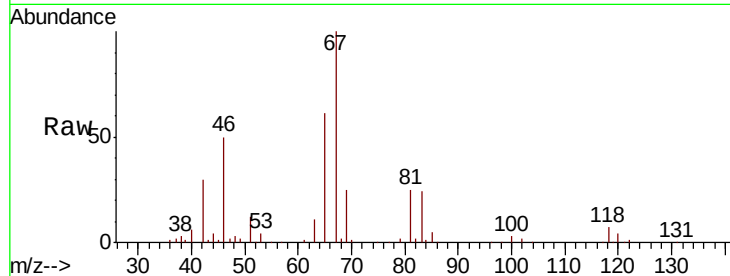




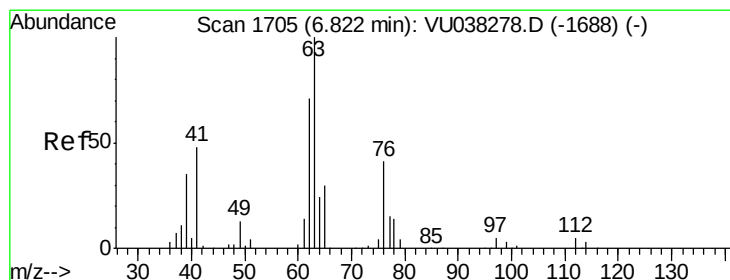
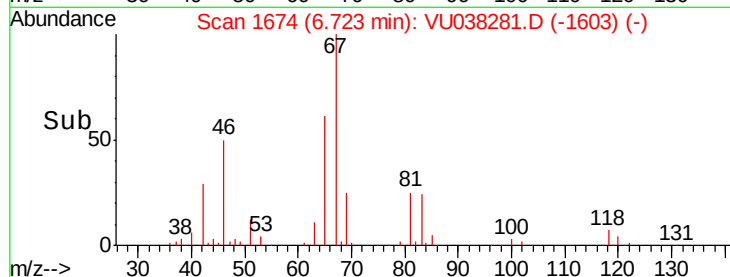
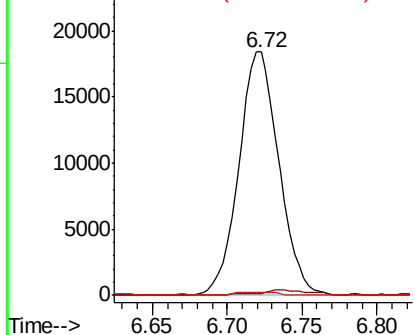
#35
Methylvlcyclohexane
Concen: 0.791 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038281.D
Acq: 22 May 2020 16:43

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 34239
Ion Ratio Lower Upper
83 100
55 0.4 66.7 100.1#
98 1.4 39.4 59.2#

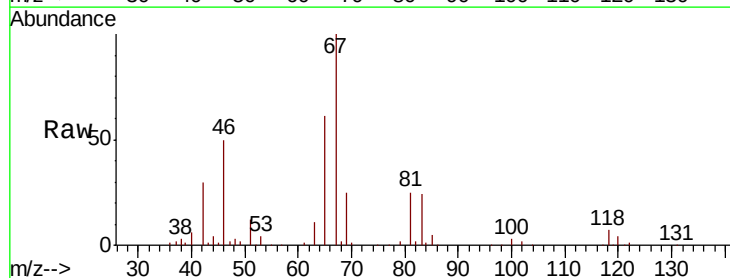


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

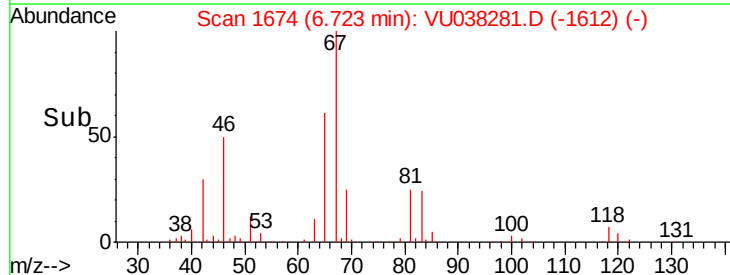
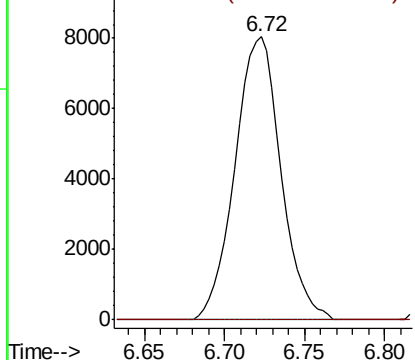


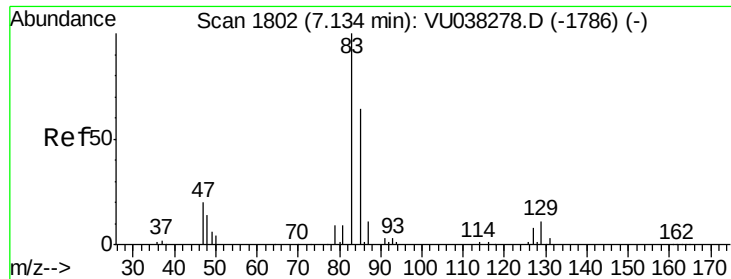
#37
1,2-Dichloropropane
Concen: 0.543 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038281.D
Acq: 22 May 2020 16:43

Tgt Ion: 63 Resp: 15762
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.201 ug/L

RT: 7.16 min Scan# 1809

Delta R.T. 0.02 min

Lab File: VU038281.D

Acq: 22 May 2020 16:43

Instrument :

MSVOA_U

ClientSampleId :

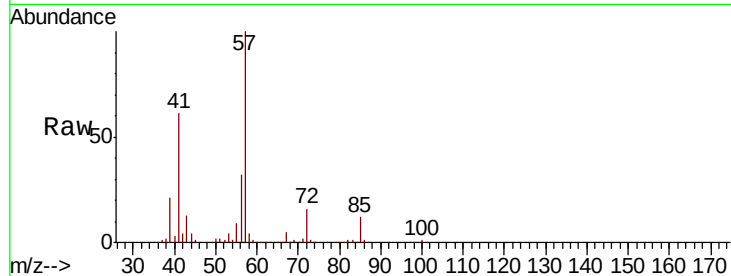
Tot Ion: 83 Resp: 6760

Ion Ratio Lower Upper

83 100

85 986.6 44.6 82.8#

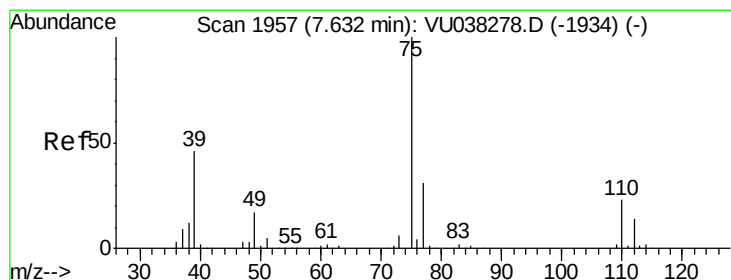
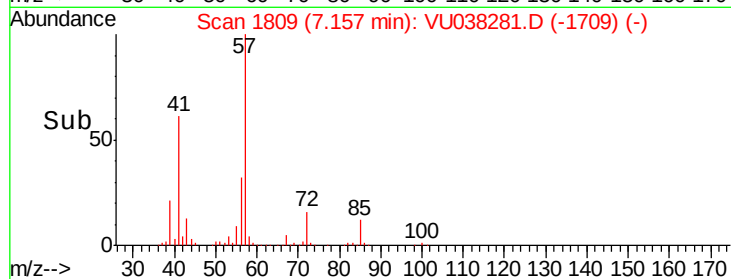
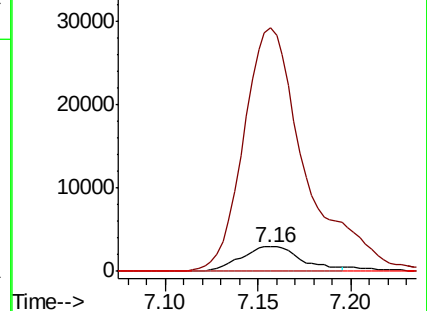
127 0.0 6.4 9.6#



Abundance Ion 82.95 (82.65 to 83.65): VU038278.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038278.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU038278.D (-1786) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038281.D

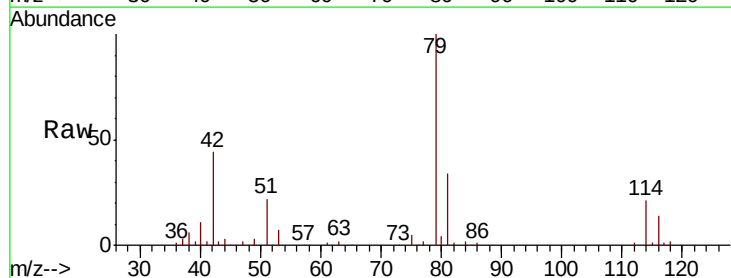
Acq: 22 May 2020 16:43

Tgt Ion: 75 Resp: 3946

Ion Ratio Lower Upper

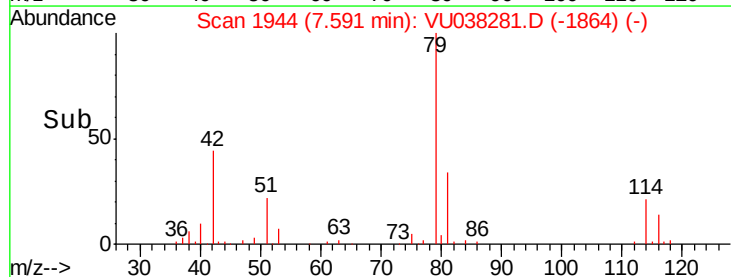
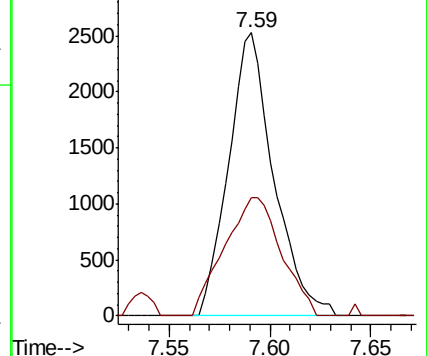
75 100

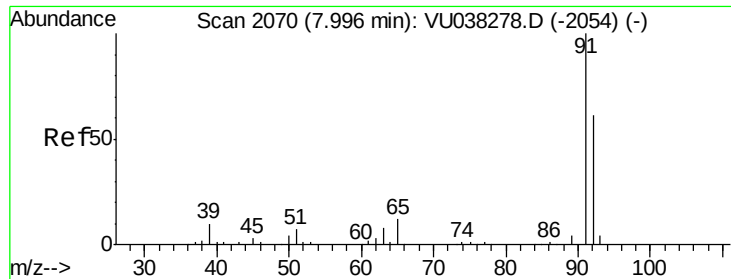
77 41.6 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038278.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU038278.D (-1934) (-)





#42

Toluene

Concen: 0.228 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038281.D

Acq: 22 May 2020 16:43

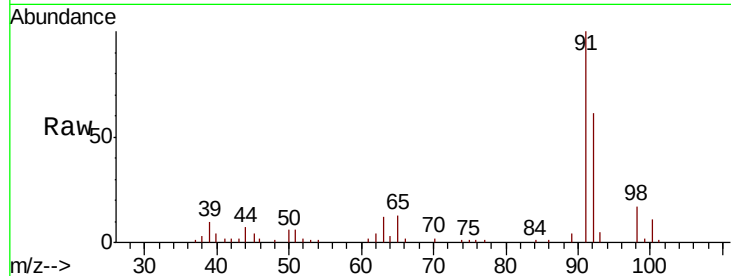
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 25676

Ion Ratio Lower Upper

91 100

92 61.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038278.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038278.D (-2054) (-)

7.99

15000

10000

5000

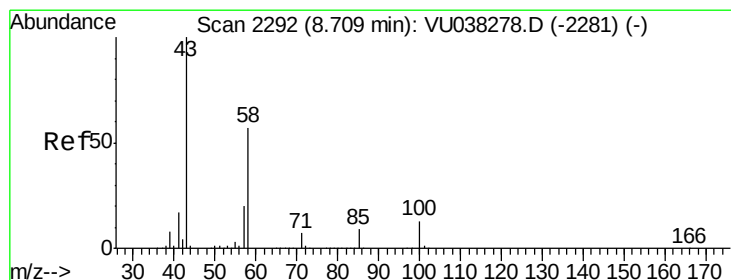
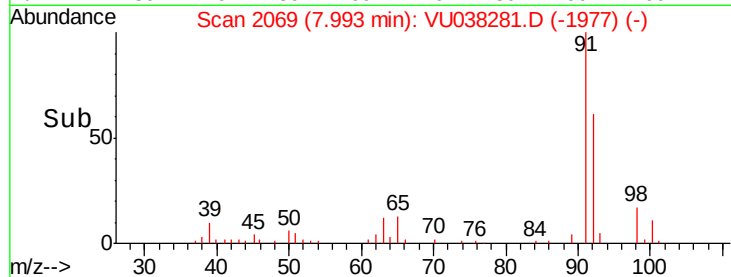
0

7.95

8.00

8.05

Time-->



#48

2-Hexanone

Concen: 2.405 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038281.D

Acq: 22 May 2020 16:43

Tgt Ion: 43 Resp: 35448

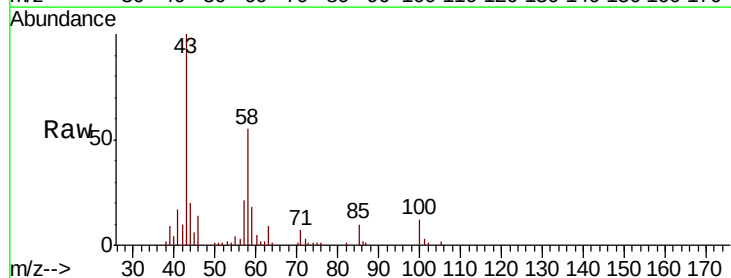
Ion Ratio Lower Upper

43 100

58 55.3 45.2 67.8

57 22.2 15.5 23.3

100 10.9 9.5 14.3



Abundance Ion 43.05 (42.75 to 43.75): VU038278.D (-2281) (-)

Ion 58.05 (57.75 to 58.75): VU038278.D (-2281) (-)

Ion 57.20 (56.90 to 57.90): VU038278.D (-2281) (-)

Ion 100.15 (99.85 to 100.85): VU038278.D (-2281) (-)

30000

25000

20000

15000

10000

5000

0

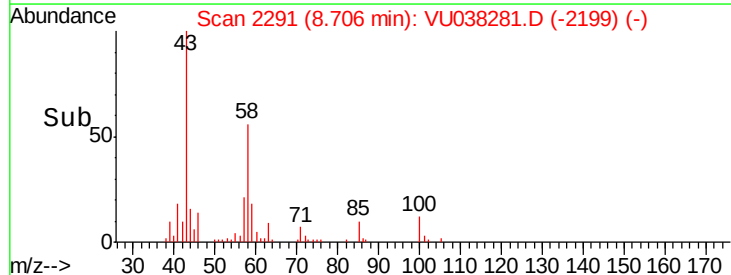
8.65

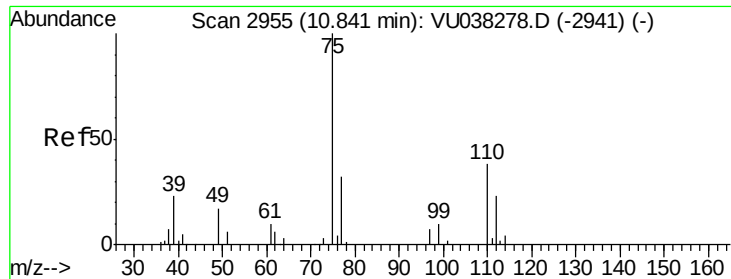
8.70

8.75

8.80

Time-->

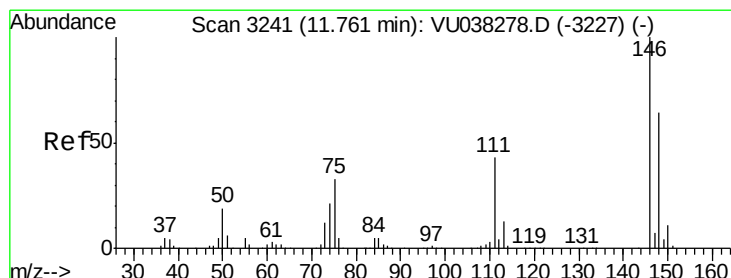
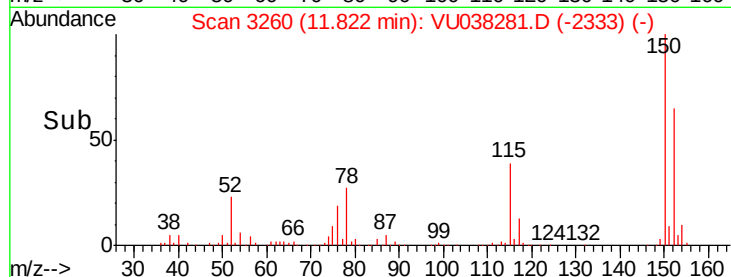
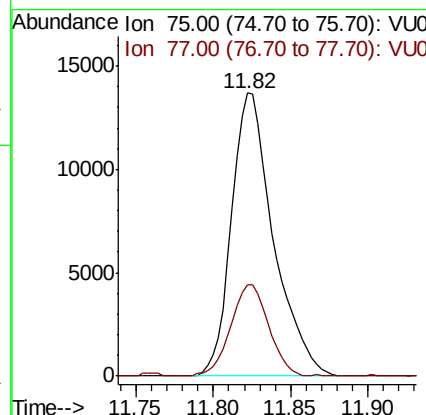
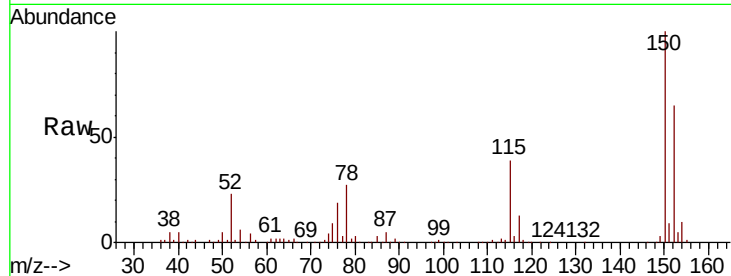




#59
 1,2,3-Trichloropropane
 Concen: 1.318 ug/L
 RT: 11.82 min Scan# 3260
 Delta R.T. 0.98 min
 Lab File: VU038281.D
 Acq: 22 May 2020 16:43

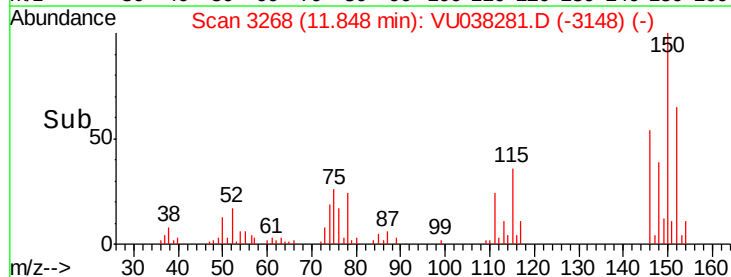
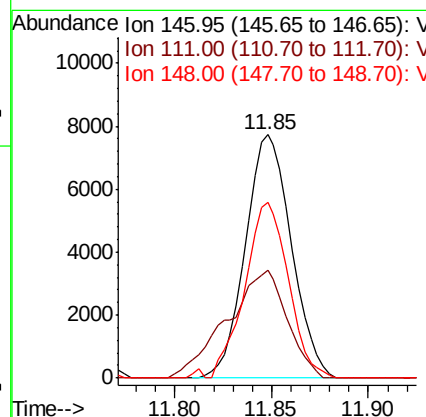
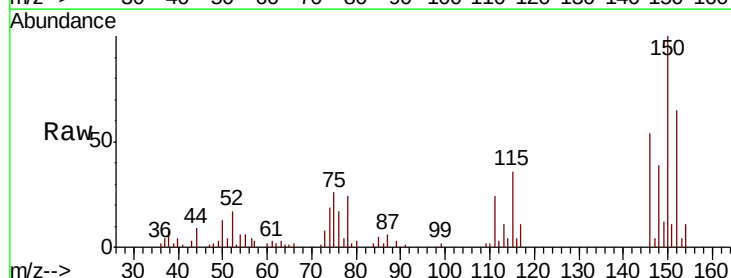
Instrument :
 MSVOA_U
 ClientSampleId :

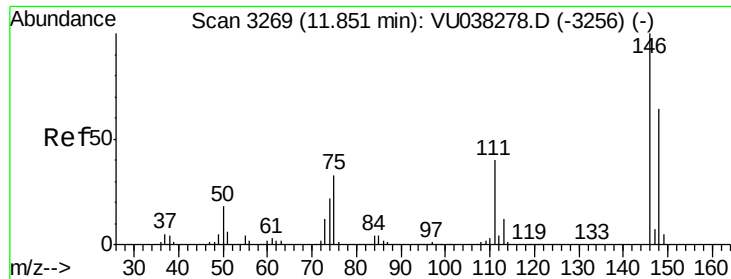
Tot Ion: 75 Resp: 25678
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.4 38.0



#62
 1,3-Dichlorobenzene
 Concen: 0.237 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.09 min
 Lab File: VU038281.D
 Acq: 22 May 2020 16:43

Tgt Ion: 146 Resp: 12763
 Ion Ratio Lower Upper
 146 100
 111 44.3 28.6 53.2
 148 72.0 45.2 84.0

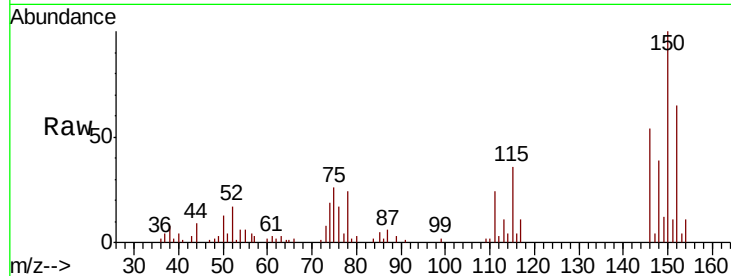




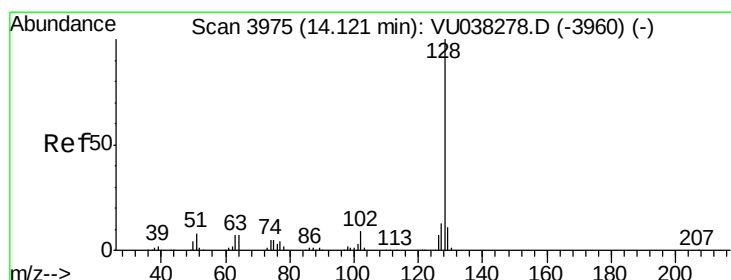
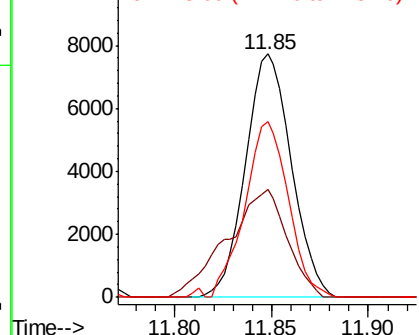
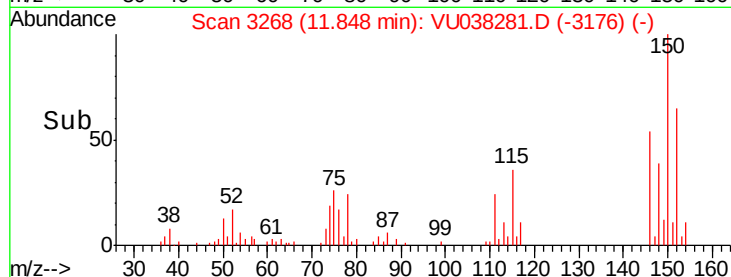
#63
 1,4-Dichlorobenzene
 Concen: 0.234 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038281.D
 Acq: 22 May 2020 16:43

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 12763
 Ion Ratio Lower Upper
 146 100
 111 44.3 27.2 50.6
 148 72.0 43.8 81.3

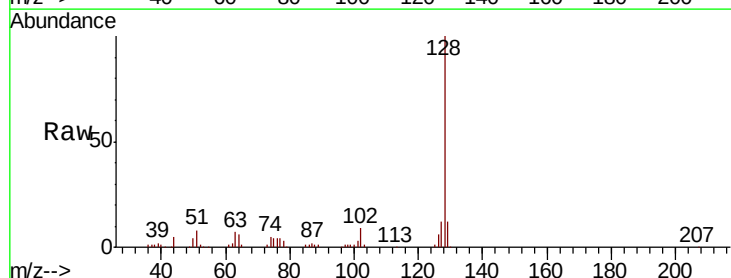


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#69
 Naphthalene
 Concen: 0.884 ug/L
 RT: 14.11 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: VU038281.D
 Acq: 22 May 2020 16:43

Tgt Ion:128 Resp: 65878
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.7 13.1
 127 12.8 10.2 15.4



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

