

Data File : VU028825.D
Acq On : 20 Dec 2018 15:30
Operator : MD/SY
Sample : J6468-21
Misc : 6.27g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JH9

Quant Time: Dec 21 03:57:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 03:50:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	225358	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	228154	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	118384	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67473	37.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.70%
7) Chloroethane-d5	1.64	69	39651	28.41	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	56.82%#
11) 1,1-Dichloroethene-d2	2.23	63	87989	28.96	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.92%#
21) 2-Butanone-d5	4.19	46	113017	89.29	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.29%
24) Chloroform-d	4.64	84	112286	39.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.04%
26) 1,2-Dichloroethane-d4	5.30	65	72013	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.24%
32) Benzene-d6	5.33	84	248040	38.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.96%
36) 1,2-Dichloropropane-d6	6.32	67	85986	39.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.54%
41) Toluene-d8	7.56	98	230794	39.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.02%#
43) trans-1,3-Dichloropropene-	7.85	79	39216	39.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.94%
47) 2-Hexanone-d5	8.32	63	100362	96.50	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	136091	44.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	101346	42.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.66%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	2862	1.145 ug/L	91
5) Vinyl chloride	1.40	62	1428	0.647 ug/L #	1
6) Bromomethane	1.60	94	520	0.553 ug/L	95
12) 1,1-Dichloroethene	2.23	96	803	0.556 ug/L #	1
13) Acetone	2.34	43	813	0.630 ug/L	94
15) Methyl Acetate	2.63	43	2715	1.350 ug/L #	84
19) 1,1-Dichloroethane	3.43	63	11401	3.747 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	12477	7.036 ug/L	98
34) Trichloroethene	6.18	95	12933	7.375 ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	1994	0.689 ug/L #	48
42) Toluene	7.63	91	190988	25.939 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	1472	0.570 ug/L	96
46) Tetrachloroethene	8.22	164	1029	0.762 ug/L	91
48) 2-Hexanone	8.32	43	11763	5.251 ug/L #	60
49) Dibromochloromethane	8.23	129	1024	0.592 ug/L #	11
52) Ethylbenzene	9.25	91	4393886	555.369 ug/L	98
53) m,p-Xylene	9.38	106	6671938	2280.512 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
Quantitation Report (Not Reviewed)

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Instrument :
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Quant Time: Dec 21 03:57:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 03:50:07 2018
Response via : Initial Calibration

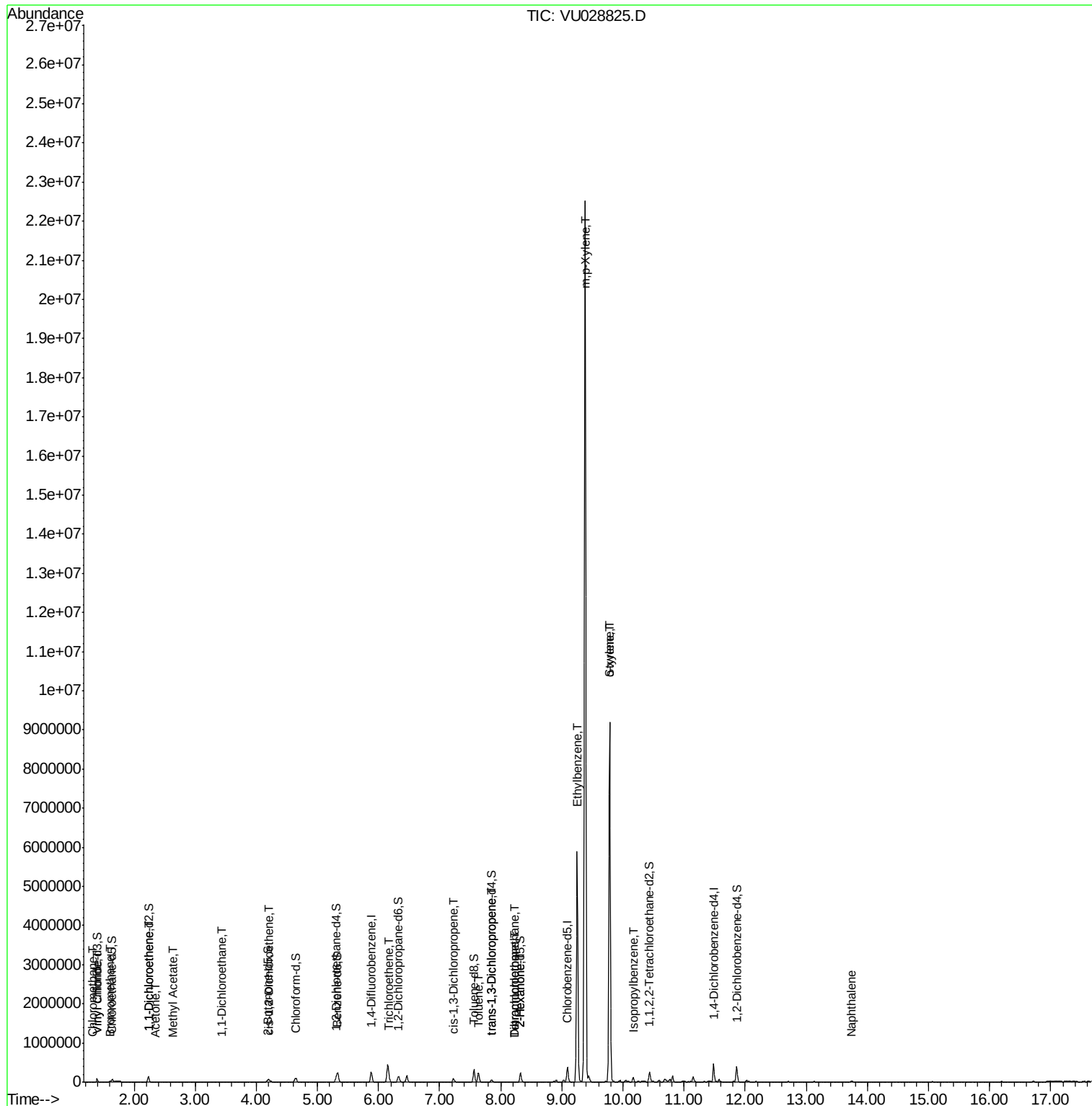
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.78	106	2532430	863.652	ug/L	100
55) Styrene	9.78	104	121679	24.502	ug/L #	1
56) Isopropylbenzene	10.17	105	82789	11.130	ug/L	99
69) Naphthalene	13.75	128	22926	2.844	ug/L	100

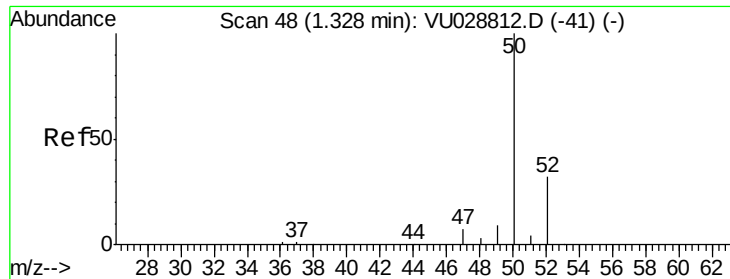
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 03:50:07 2018
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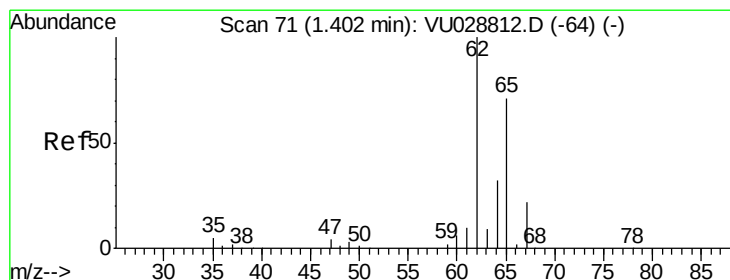
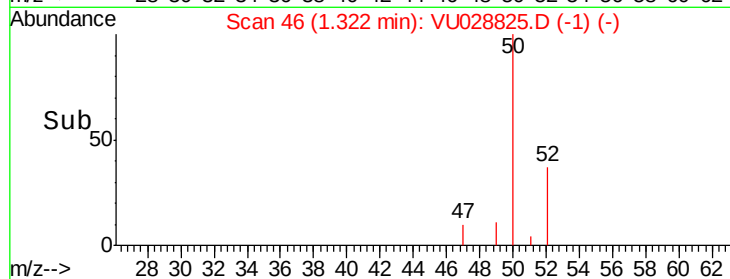
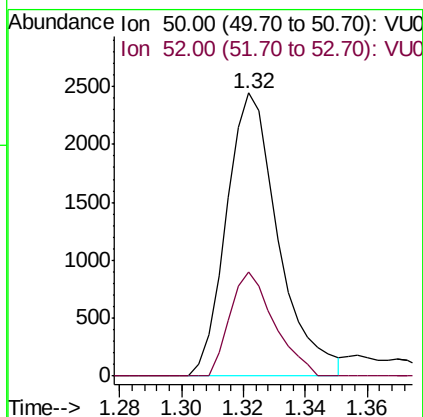
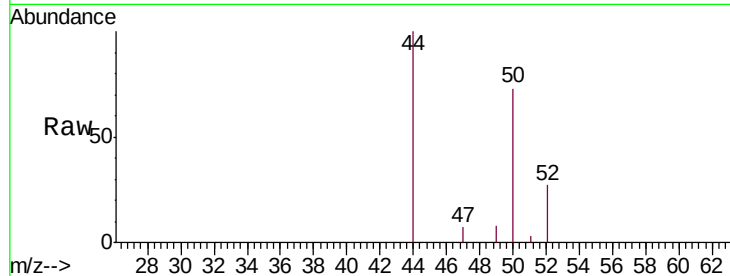




#3
Chloromethane
Concen: 1.145 ug/L
RT: 1.32 min Scan# 46
Delta R.T. -0.01 min
Lab File: VU028825.D
Acq: 20 Dec 2018 15:30

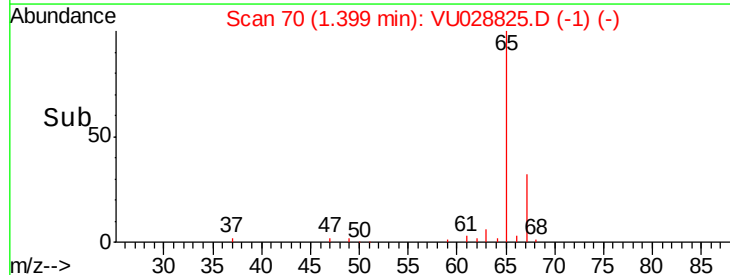
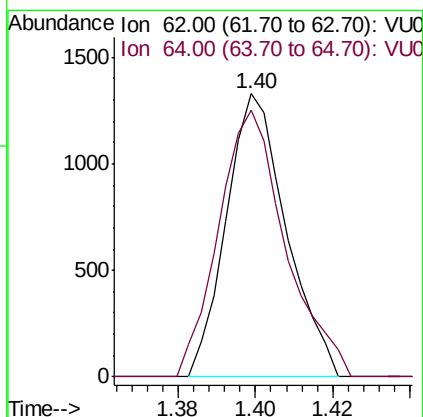
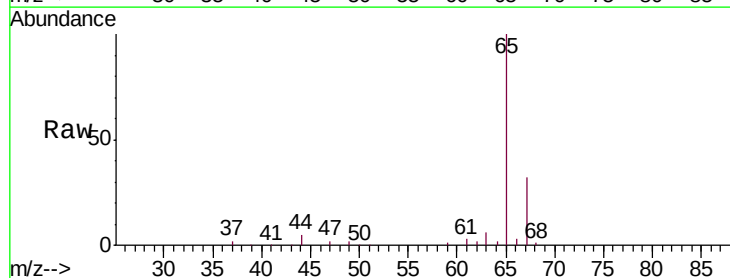
Instrument :
MSVOA_U
ClientSampled :
C0JH9

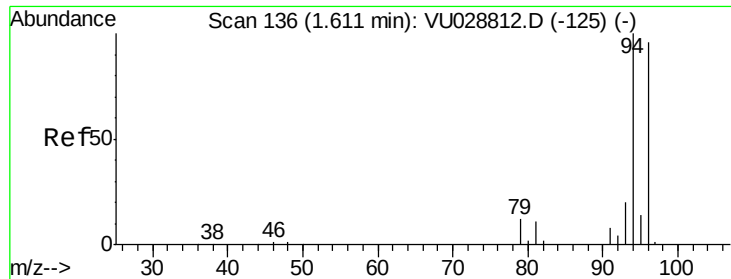
Tgt Ion: 50 Resp: 2862
Ion Ratio Lower Upper
50 100
52 36.7 22.3 41.3



#5
Vinyl chloride
Concen: 0.647 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.00 min
Lab File: VU028825.D
Acq: 20 Dec 2018 15:30

Tgt Ion: 62 Resp: 1428
Ion Ratio Lower Upper
62 100
64 94.2 22.3 41.3#





#6

Bromomethane

Concen: 0.553 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.01 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampled :

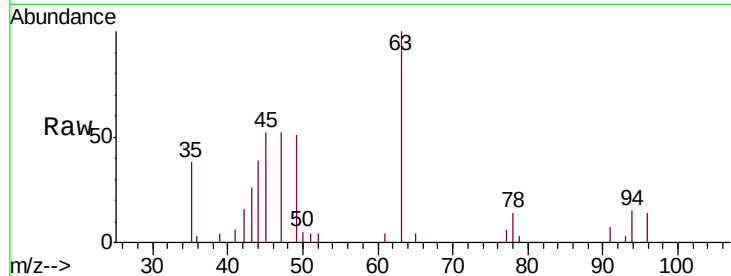
C0JH9

Tgt Ion: 94 Resp: 520

Ion Ratio Lower Upper

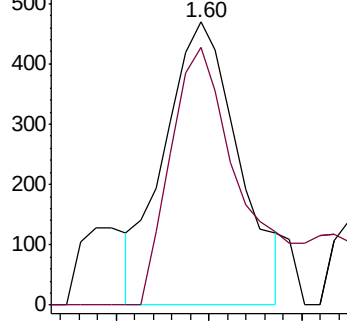
94 100

96 91.0 67.3 125.1

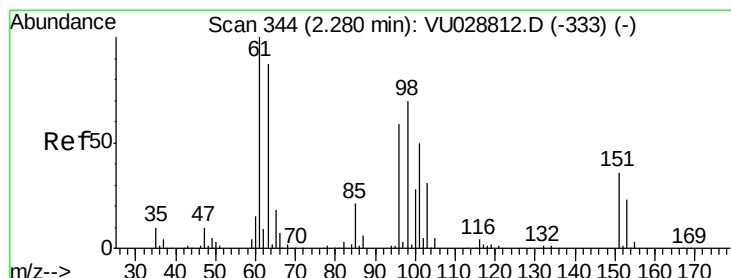
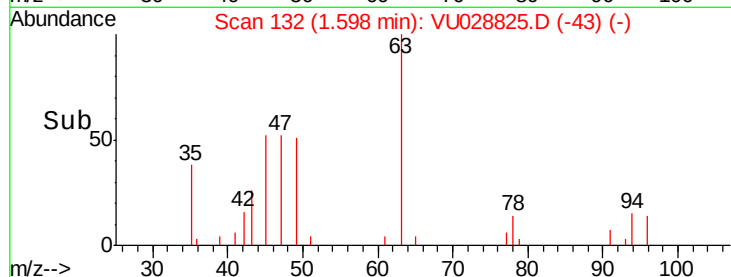


Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



Time-->



#12

1,1-Dichloroethene

Concen: 0.556 ug/L

RT: 2.23 min Scan# 330

Delta R.T. -0.04 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

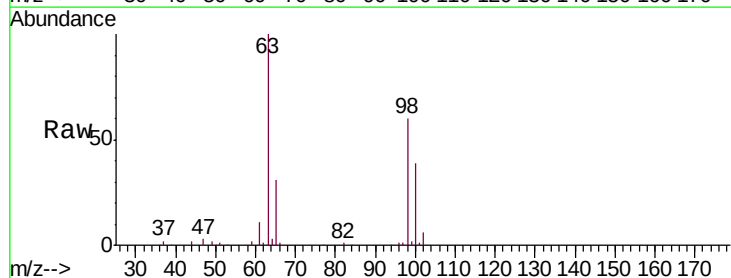
Tgt Ion: 96 Resp: 803

Ion Ratio Lower Upper

96 100

61 1288.1 119.3 221.5#

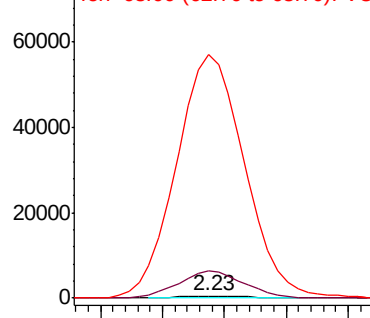
63 11719.1 107.4 199.6#



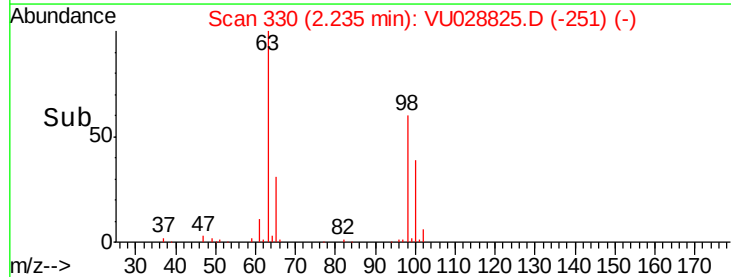
Abundance Ion 96.00 (95.70 to 96.70): VU0

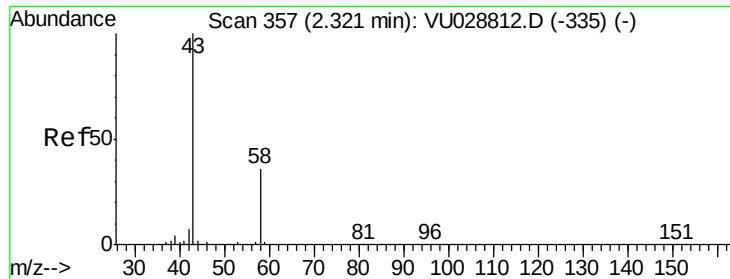
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#13

Acetone

Concen: 0.630 ug/L

RT: 2.34 min Scan# 364

Delta R.T. 0.02 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

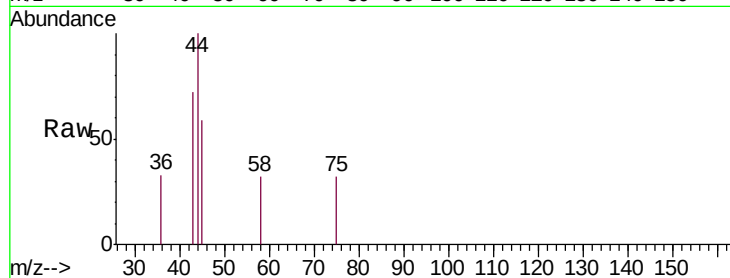
C0JH9

Tgt Ion: 43 Resp: 813

Ion Ratio Lower Upper

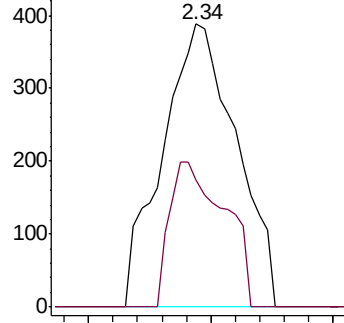
43 100

58 38.6 0.0 70.2

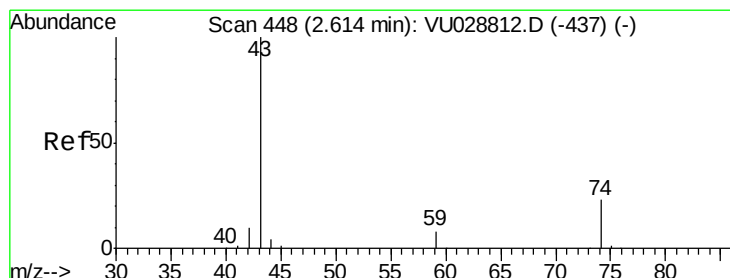
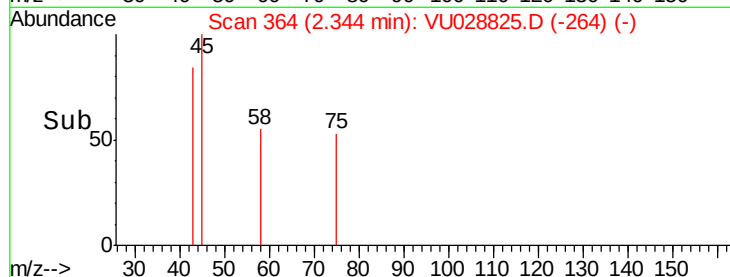


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#15

Methyl Acetate

Concen: 1.350 ug/L

RT: 2.63 min Scan# 453

Delta R.T. 0.02 min

Lab File: VU028825.D

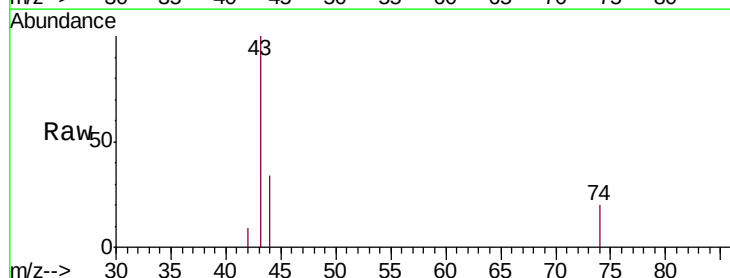
Acq: 20 Dec 2018 15:30

Tgt Ion: 43 Resp: 2715

Ion Ratio Lower Upper

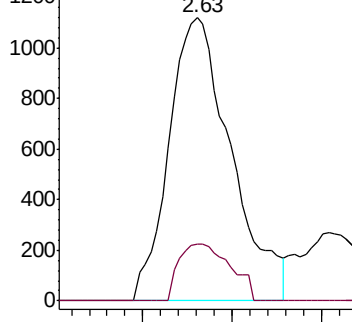
43 100

74 15.9 19.0 28.4#

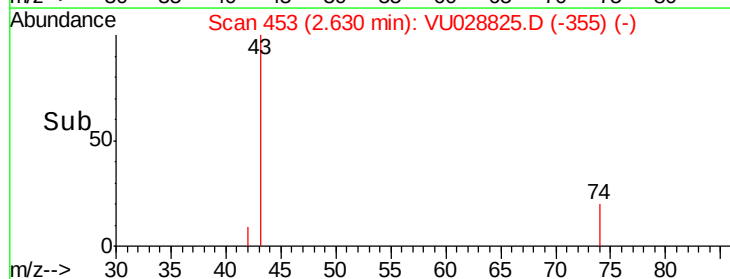


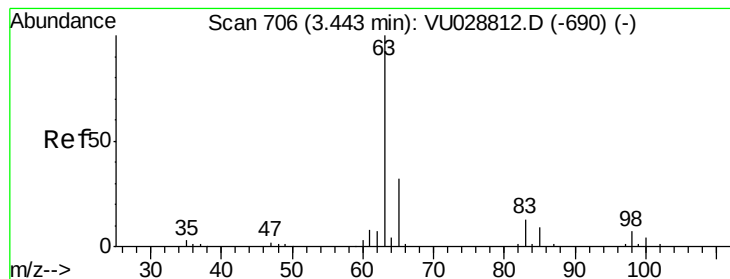
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



Time-->





#19

1,1-Dichloroethane

Concen: 3.747 ug/L

RT: 3.43 min Scan# 702

Delta R.T. -0.01 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

C0JH9

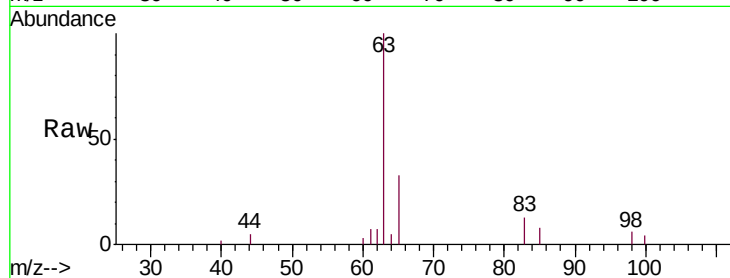
Tgt Ion: 63 Resp: 11401

Ion Ratio Lower Upper

63 100

65 32.6 22.7 42.1

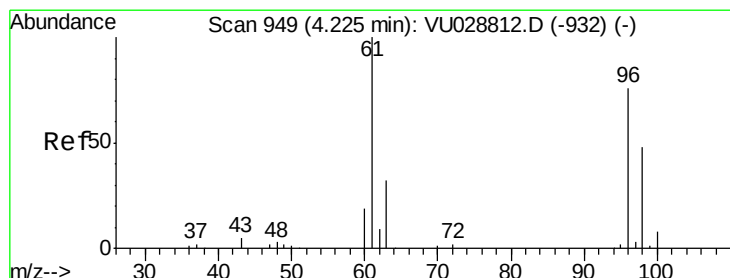
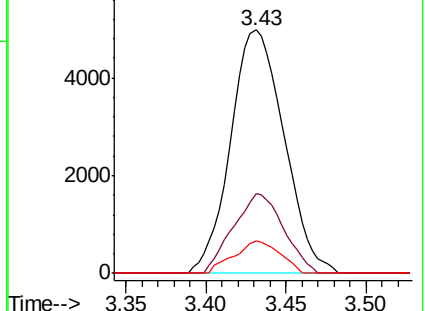
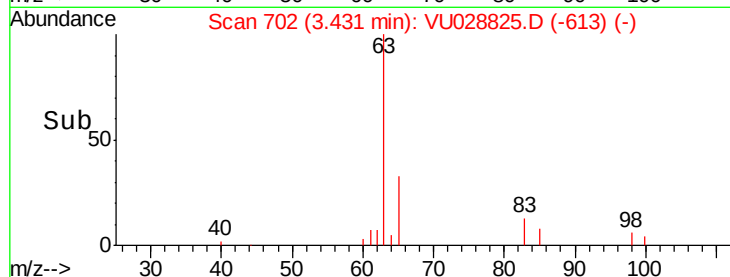
83 13.3 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VU028825.D (-613) (-)

Ion 65.00 (64.70 to 65.70): VU028825.D (-613) (-)

Ion 83.00 (82.70 to 83.70): VU028825.D (-613) (-)



#20

cis-1,2-Dichloroethene

Concen: 7.036 ug/L

RT: 4.22 min Scan# 946

Delta R.T. -0.01 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

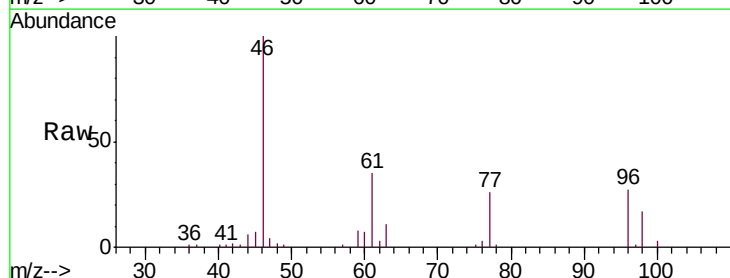
Tgt Ion: 96 Resp: 12477

Ion Ratio Lower Upper

96 100

61 129.0 92.1 171.1

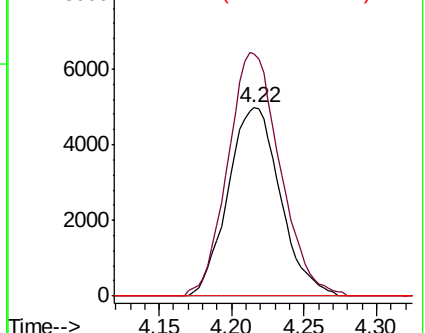
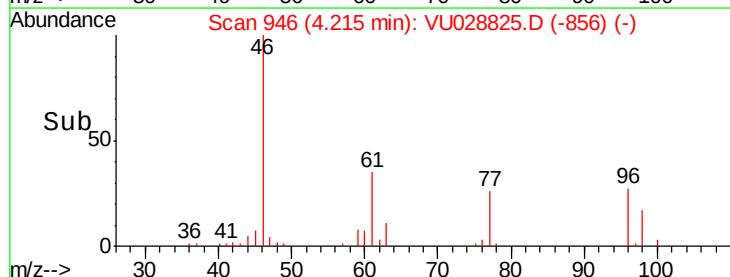
68 0.0 0.0 0.0

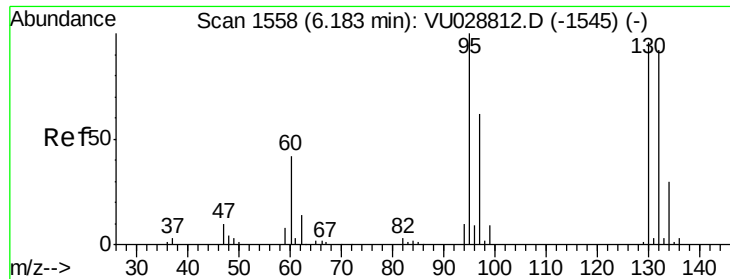


Abundance Ion 96.00 (95.70 to 96.70): VU028825.D (-856) (-)

Ion 61.00 (60.70 to 61.70): VU028825.D (-856) (-)

Ion 68.00 (67.70 to 68.70): VU028825.D (-856) (-)





#34

Trichloroethene

Concen: 7.375 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

C0JH9

Tgt Ion: 95 Resp: 12933

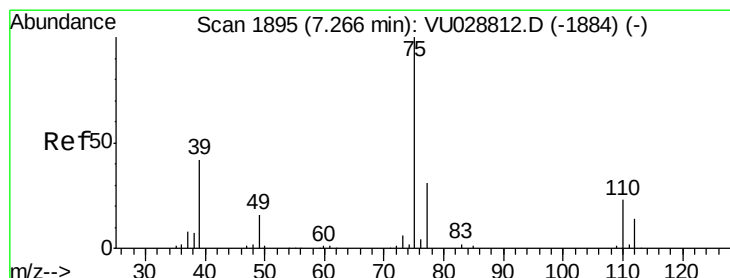
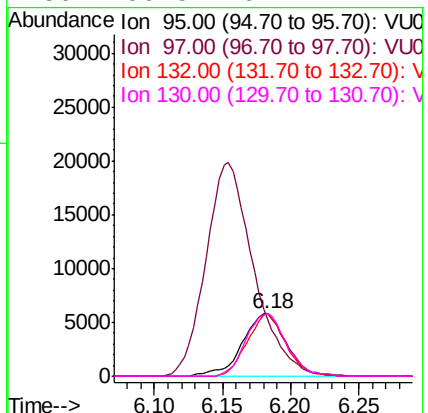
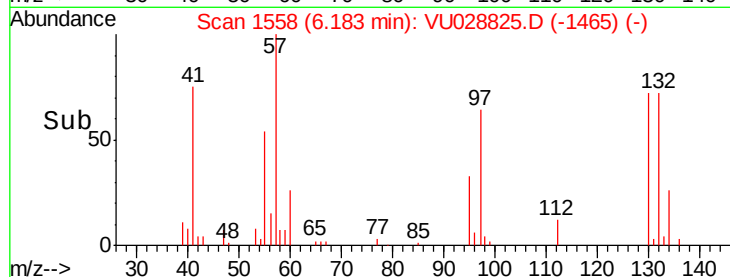
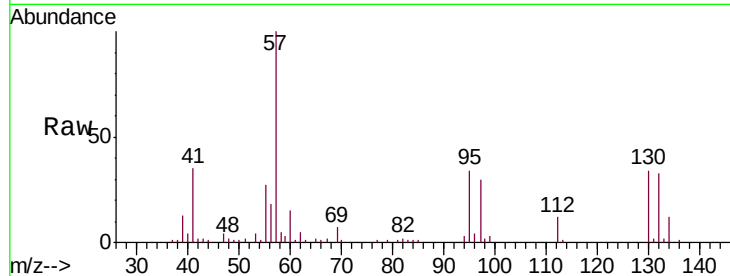
Ion Ratio Lower Upper

95 100

97 89.3 43.3 80.3#

132 100.0 64.2 119.2

130 100.5 67.1 124.7



#39

cis-1,3-Dichloropropene

Concen: 0.689 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.04 min

Lab File: VU028825.D

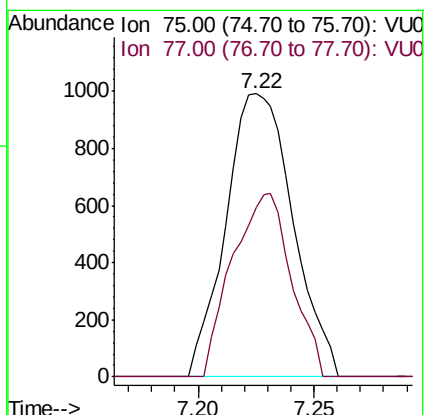
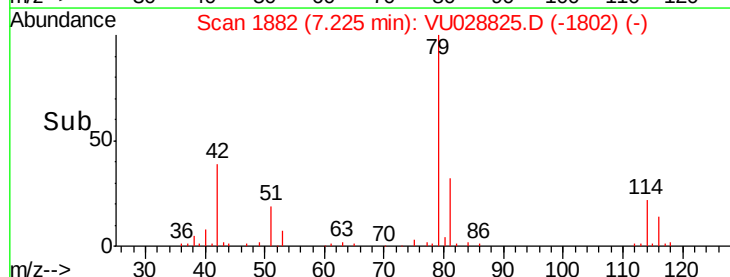
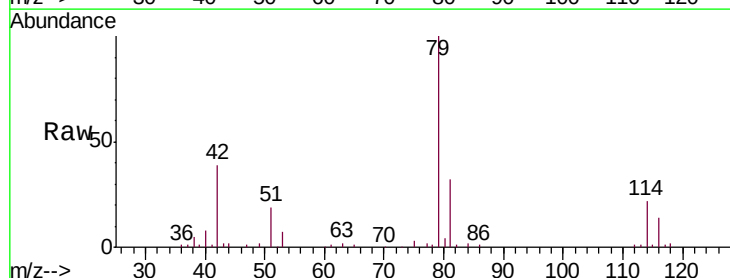
Acq: 20 Dec 2018 15:30

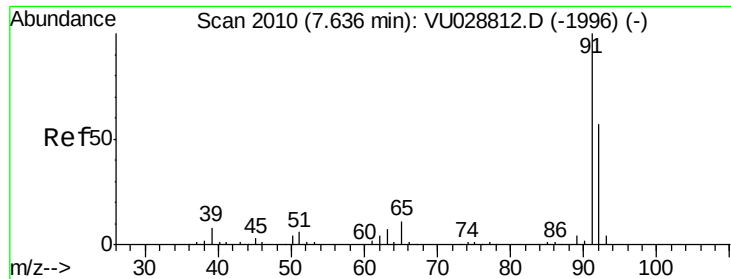
Tgt Ion: 75 Resp: 1994

Ion Ratio Lower Upper

75 100

77 59.7 21.8 40.6#





#42

Toluene

Concen: 25.939 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampled :

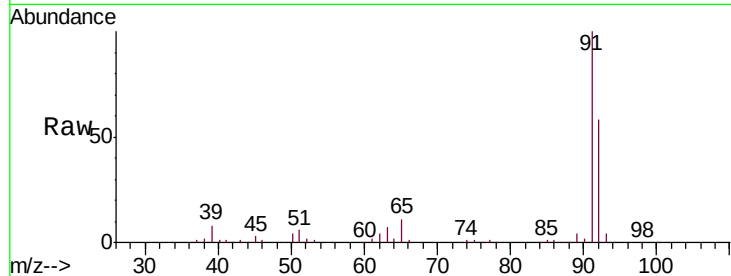
C0JH9

Tgt Ion: 91 Resp: 190988

Ion Ratio Lower Upper

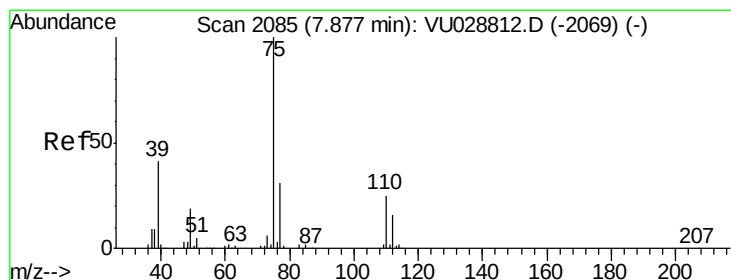
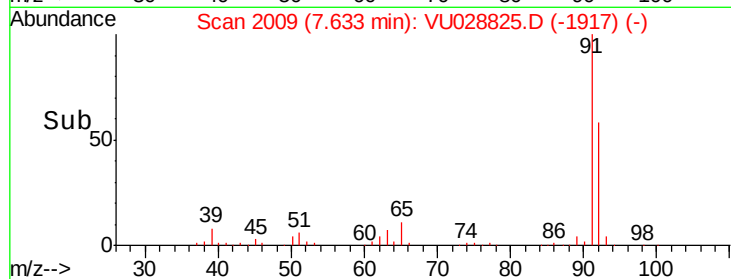
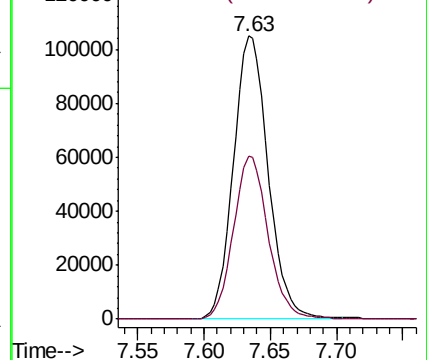
91 100

92 57.5 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.570 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028825.D

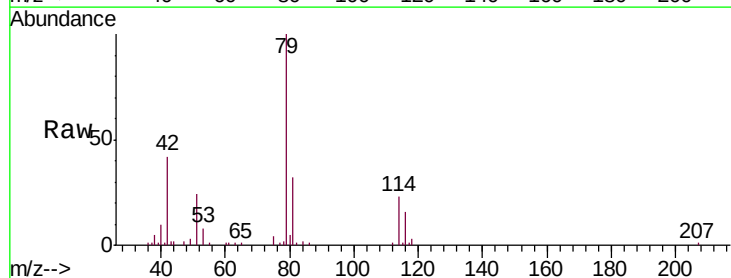
Acq: 20 Dec 2018 15:30

Tgt Ion: 75 Resp: 1472

Ion Ratio Lower Upper

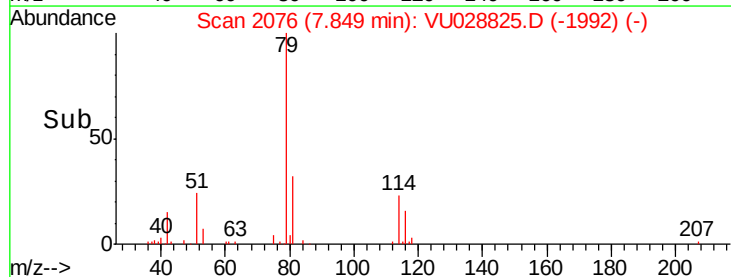
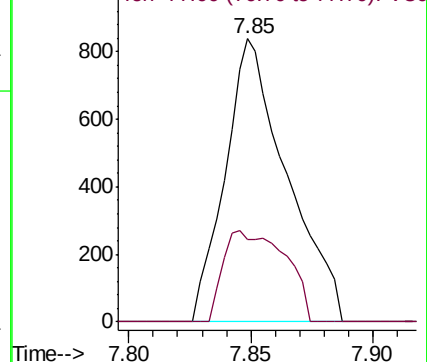
75 100

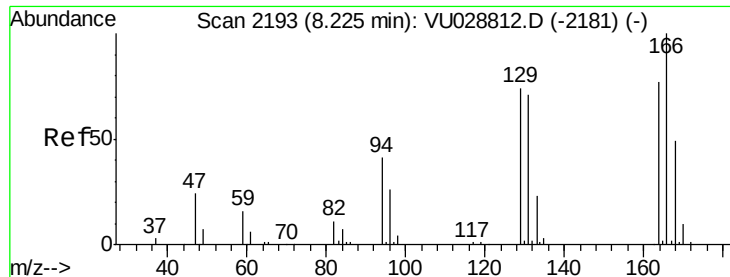
77 29.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 0.762 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampled :

C0JH9

Tgt Ion:164 Resp: 1029

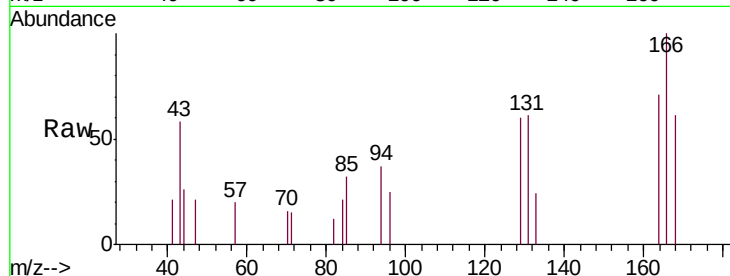
Ion Ratio Lower Upper

164 100

129 84.2 66.8 124.0

131 86.0 64.2 119.2

166 140.5 90.8 168.6

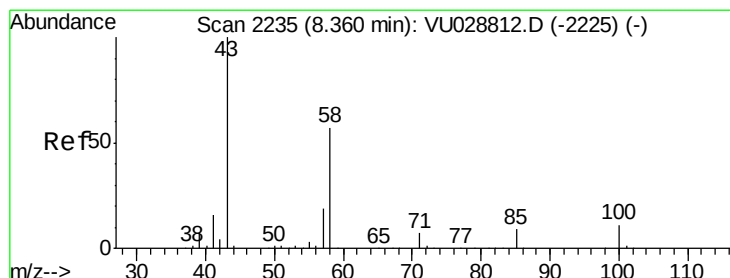
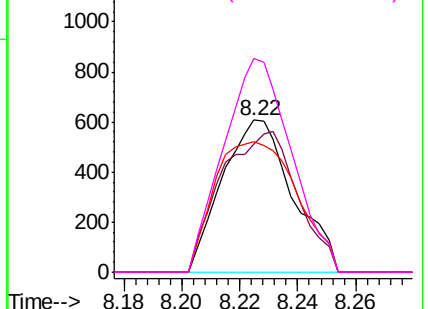
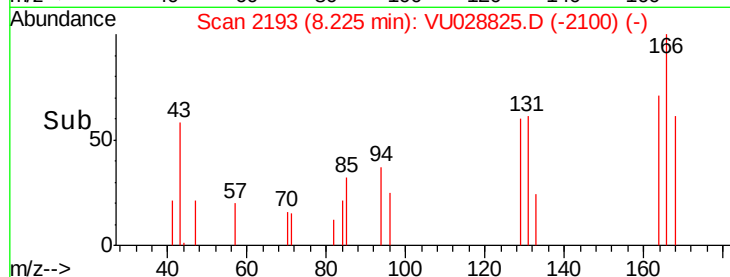


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.251 ug/L

RT: 8.32 min Scan# 2223

Delta R.T. -0.04 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Tgt Ion: 43 Resp: 11763

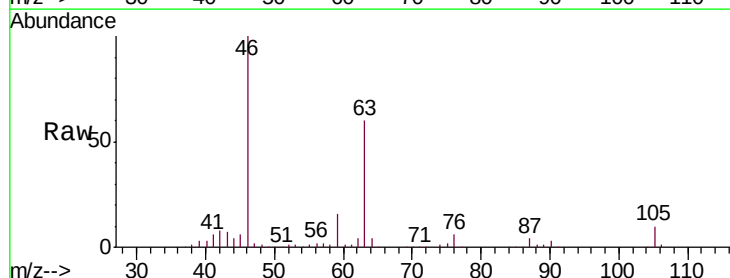
Ion Ratio Lower Upper

43 100

58 22.0 45.9 68.9#

57 29.2 15.0 22.4#

100 0.0 8.7 13.1#

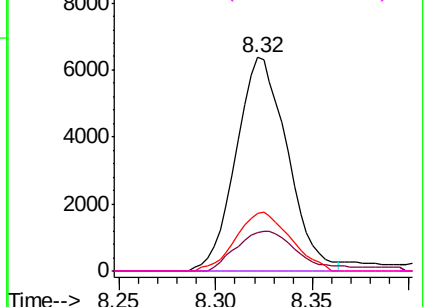
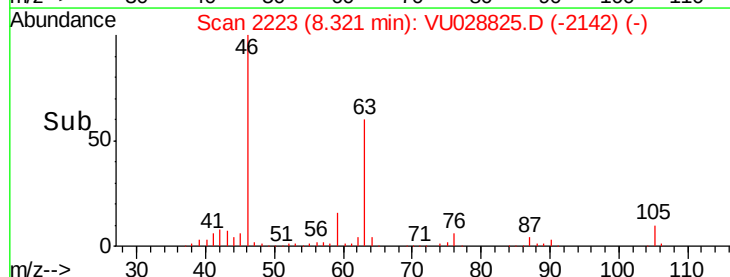


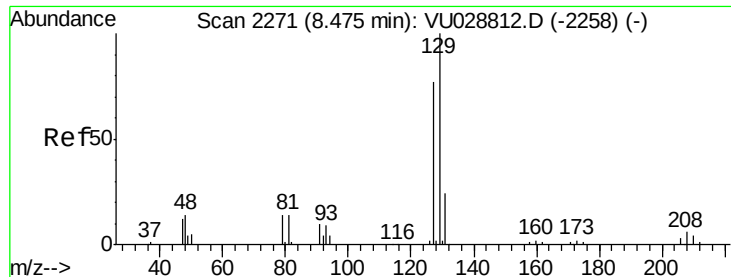
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 0.592 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. -0.24 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

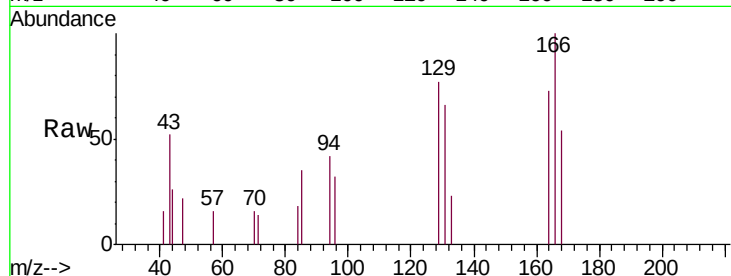
C0JH9

Tgt Ion:129 Resp: 1024

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.23

600

500

400

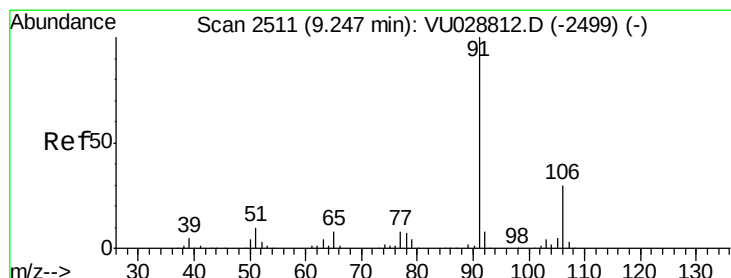
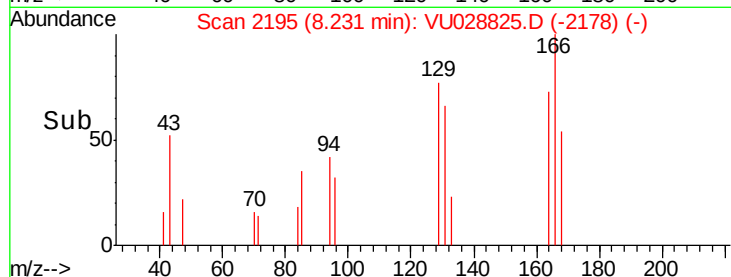
300

200

100

0

Time-->



#52

Ethylbenzene

Concen: 555.369 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028825.D

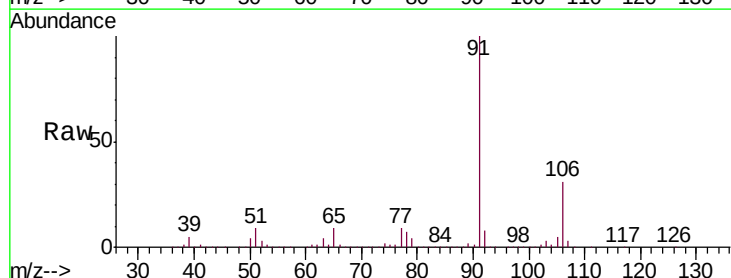
Acq: 20 Dec 2018 15:30

Tgt Ion: 91 Resp: 4393886

Ion Ratio Lower Upper

91 100

106 30.8 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

9.25

8000000

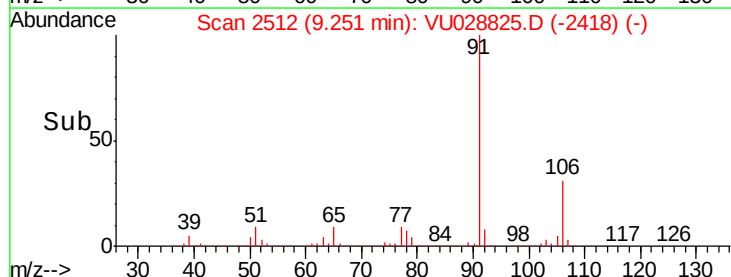
6000000

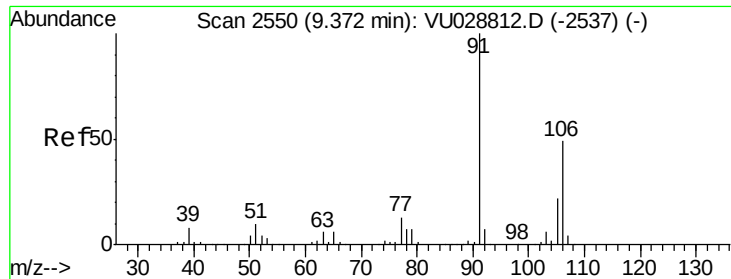
4000000

2000000

0

Time-->





#53

m,p-Xylene

Concen: 2280.512 ug/L

RT: 9.38 min Scan# 2553

Delta R.T. 0.01 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

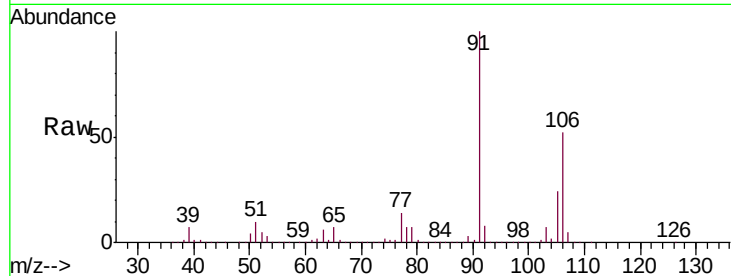
C0JH9

Tgt Ion:106 Resp: 6671938

Ion Ratio Lower Upper

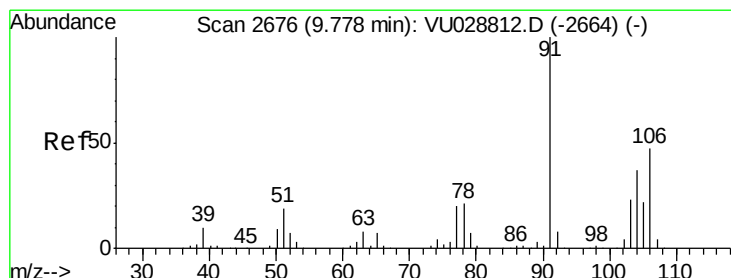
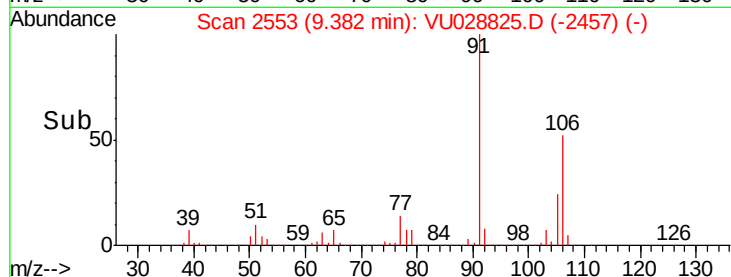
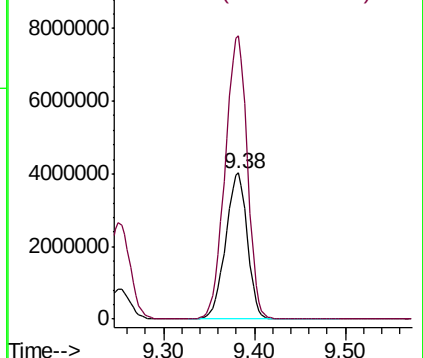
106 100

91 194.0 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 863.652 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028825.D

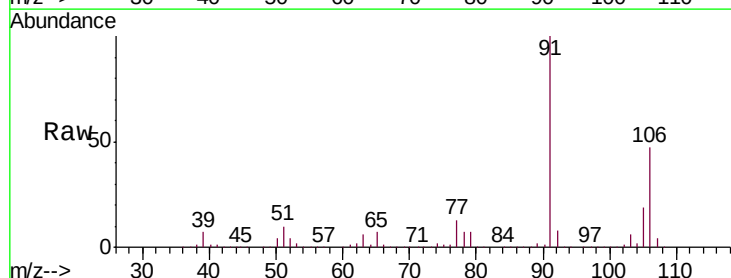
Acq: 20 Dec 2018 15:30

Tgt Ion:106 Resp: 2532430

Ion Ratio Lower Upper

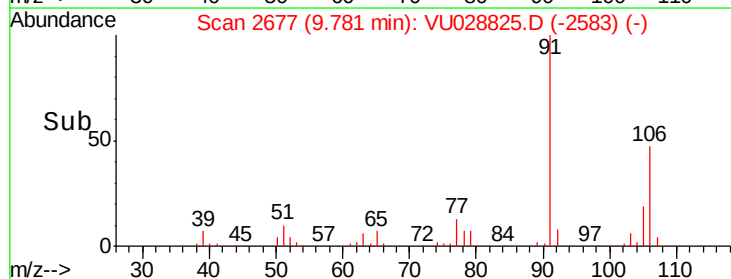
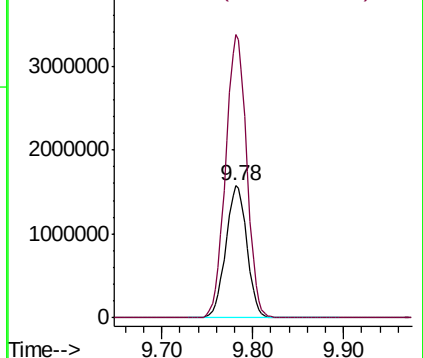
106 100

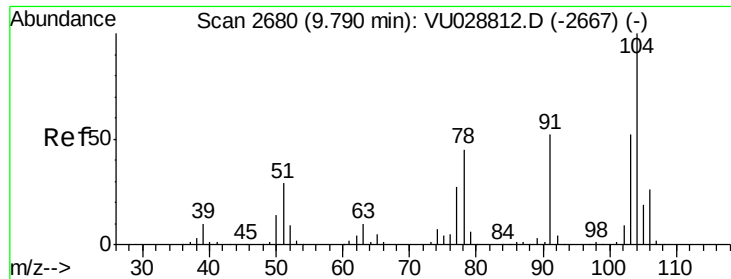
91 214.5 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 24.502 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.01 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

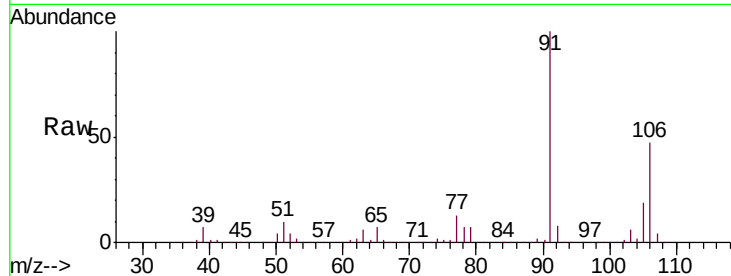
C0JH9

Tgt Ion:104 Resp: 121679

Ion Ratio Lower Upper

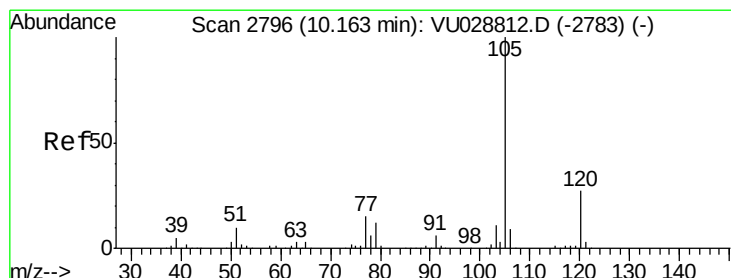
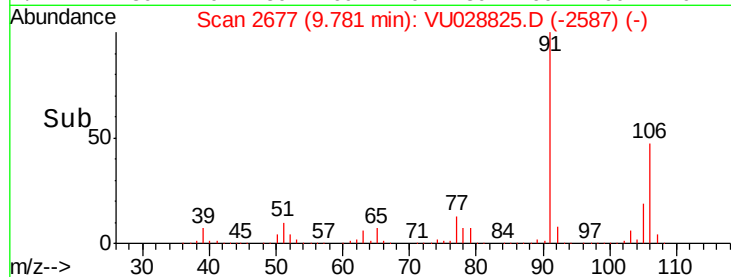
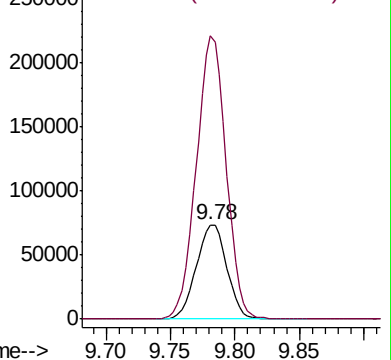
104 100

78 300.0 31.3 58.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 11.130 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028825.D

Acq: 20 Dec 2018 15:30

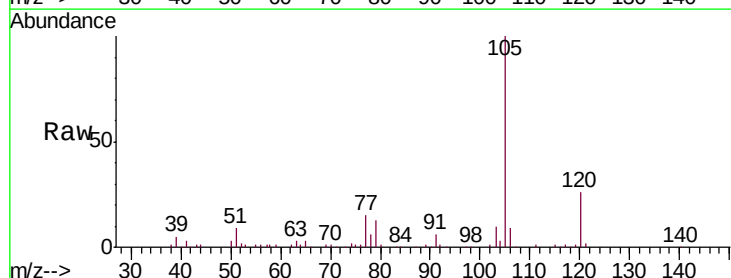
Tgt Ion:105 Resp: 82789

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

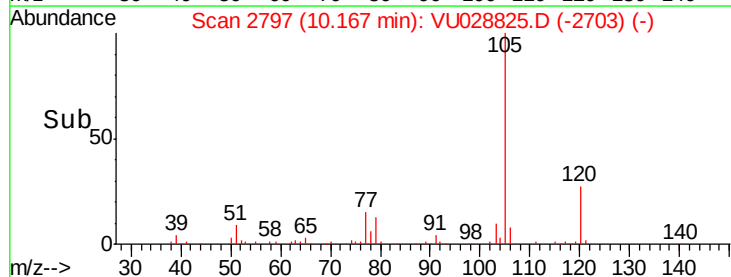
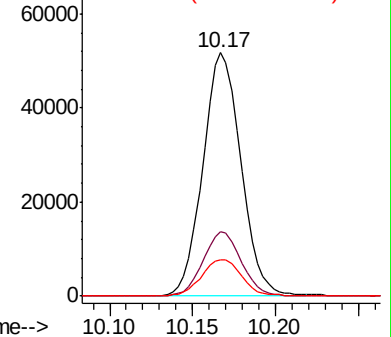
77 15.8 12.3 18.5

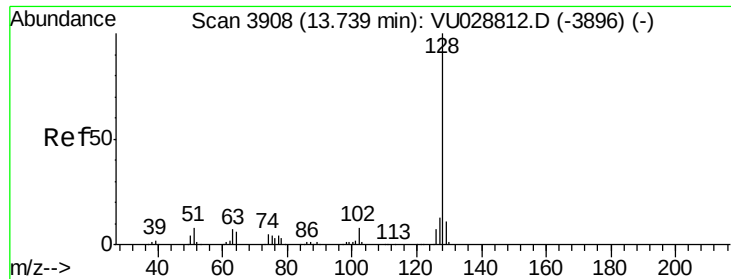


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 2.844 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.01 min

Lab File: VU028825.D

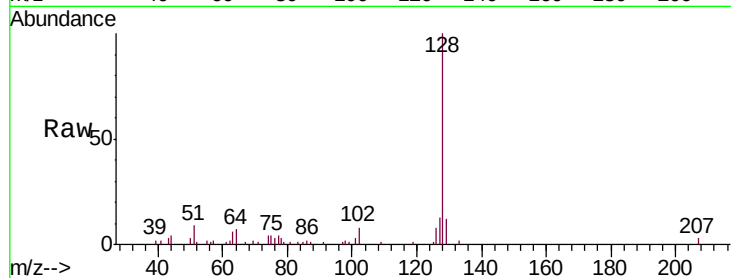
Acq: 20 Dec 2018 15:30

Instrument :

MSVOA_U

ClientSampleId :

C0JH9



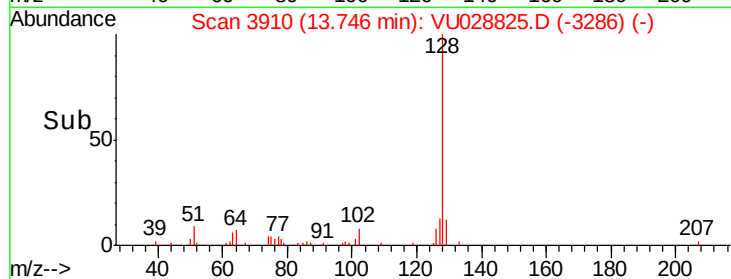
Tgt Ion:128 Resp: 22926

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 11.1 8.7 13.1



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

