

Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8J3

Quant Time: Jun 07 07:05:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 07:01:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	202157	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	189690	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	100300	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	40633	30.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.96%
7) Chloroethane-d5	1.67	69	38605	36.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.26%
11) 1,1-Dichloroethene-d2	2.27	63	67671	26.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.70%#
21) 2-Butanone-d5	4.17	46	133739	121.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.85%
24) Chloroform-d	4.64	84	106983	43.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.48%
26) 1,2-Dichloroethane-d4	5.30	65	72764	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
32) Benzene-d6	5.33	84	216524	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
36) 1,2-Dichloropropane-d6	6.32	67	71786	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.98%
41) Toluene-d8	7.56	98	202707	43.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.82%
43) trans-1,3-Dichloropropene-	7.85	79	31512	42.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.28%
47) 2-Hexanone-d5	8.31	63	98122	131.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	131.00%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116123	51.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	96597	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	4888	2.779 ug/L #	1
8) Chloroethane	1.40	64	9909	9.476 ug/L #	69
12) 1,1-Dichloroethene	2.27	96	800	0.667 ug/L #	1
13) Acetone	2.32	43	17146	15.140 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	758	0.583 ug/L	90
19) 1,1-Dichloroethane	3.44	63	4975	2.099 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	2615	1.778 ug/L	95
33) Benzene	5.39	78	18632	3.496 ug/L	100
34) Trichloroethene	6.19	95	712	0.491 ug/L #	75
39) cis-1,3-Dichloropropene	7.22	75	2165	0.971 ug/L #	73
40) 4-Methyl-2-pentanone	7.46	43	12891	5.672 ug/L	98
42) Toluene	7.63	91	97675	16.734 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	1484	0.750 ug/L #	79
48) 2-Hexanone	8.31	43	349550	187.240 ug/L #	40
51) Chlorobenzene	9.12	112	2171	0.577 ug/L	94
52) Ethylbenzene	9.25	91	42868	6.589 ug/L	99
53) m,p-Xylene	9.37	106	52398	21.180 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Jun 07 07:01:53 2019
Response via : Initial Calibration

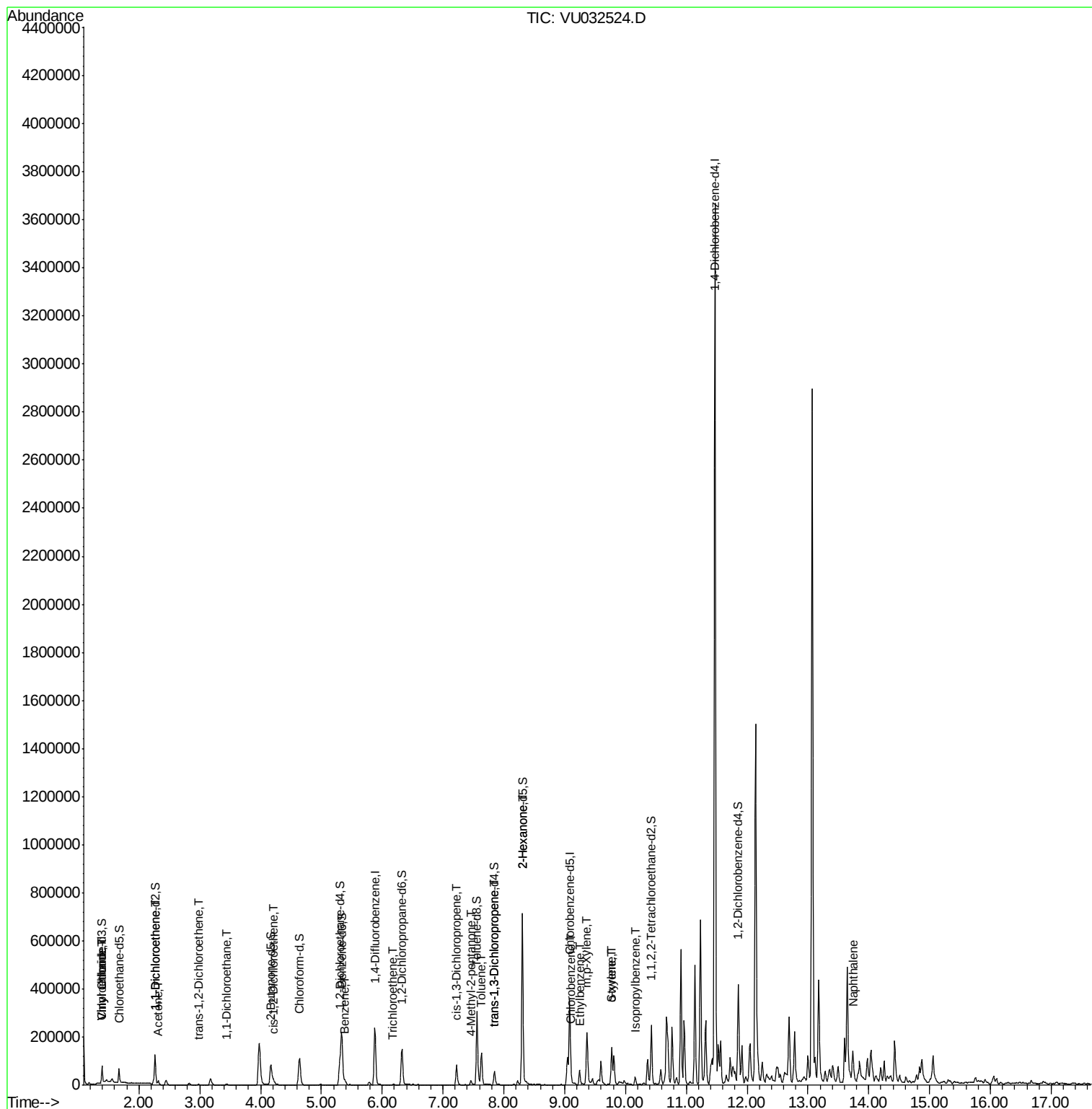
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.77	106	40051	16.305	ug/L	98
55) Styrene	9.77	104	2274	0.555	ug/L #	1
56) Isopropylbenzene	10.16	105	21301	3.289	ug/L	99
69) Naphthalene	13.74	128	84756	13.434	ug/L	99

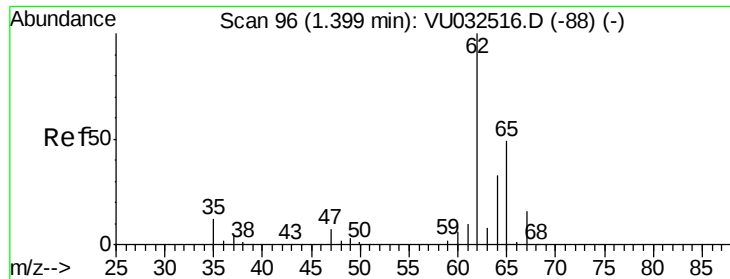
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.779 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Instrument :

MSVOA_U

ClientSampleId :

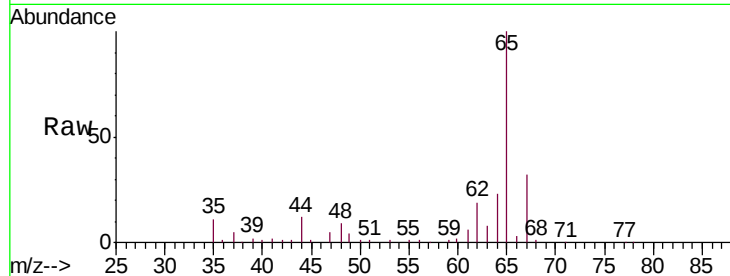
DB8J3

Tgt Ion: 62 Resp: 4888

Ion Ratio Lower Upper

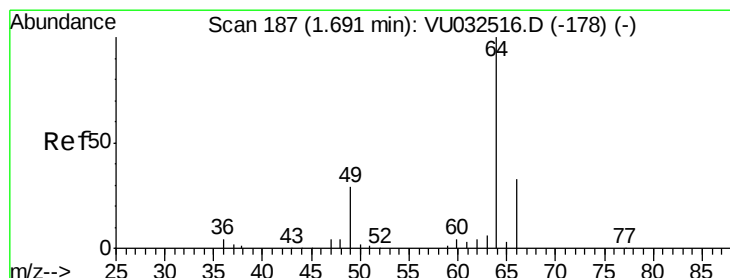
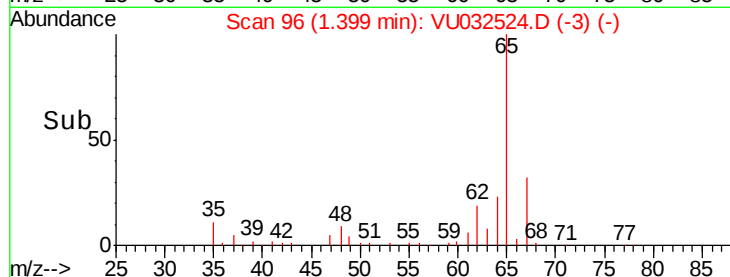
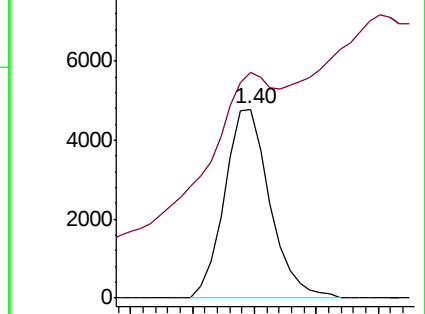
62 100

64 119.6 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032516.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032516.D (-88) (-)



#8

Chloroethane

Concen: 9.476 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU032524.D

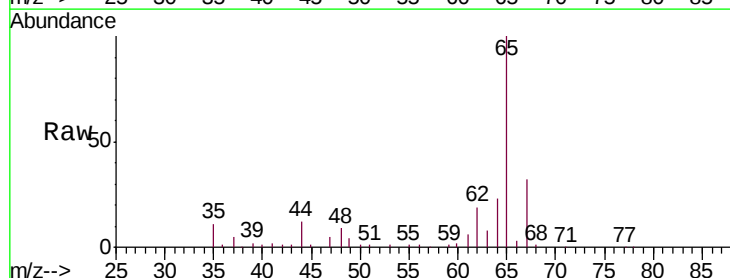
Acq: 07 Jun 2019 02:30

Tgt Ion: 64 Resp: 9909

Ion Ratio Lower Upper

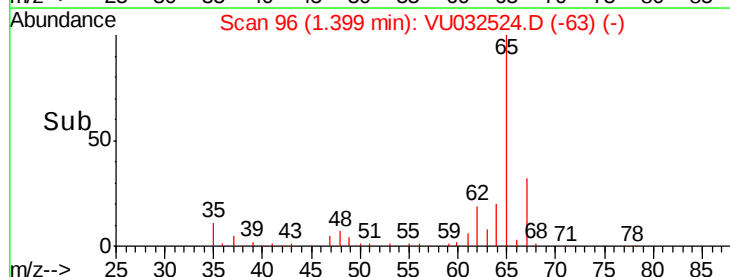
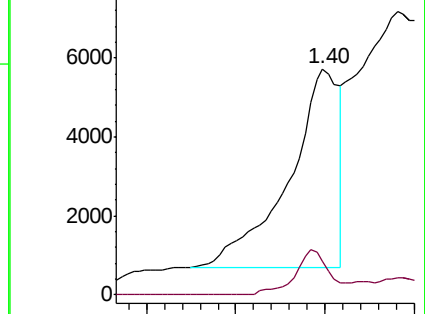
64 100

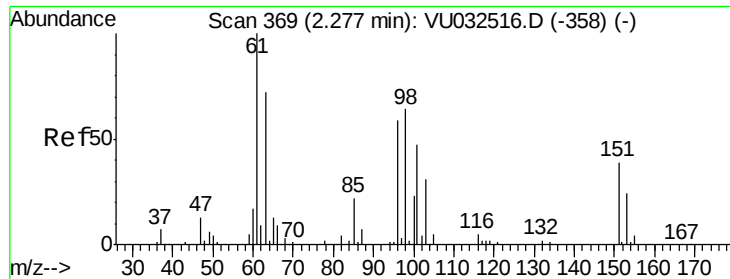
66 15.0 22.9 42.5#



Abundance Ion 64.00 (63.70 to 64.70): VU032516.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032516.D (-178) (-)





#12

1,1-Dichloroethene

Concen: 0.667 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Instrument :

MSVOA_U

ClientSampled :

DB8J3

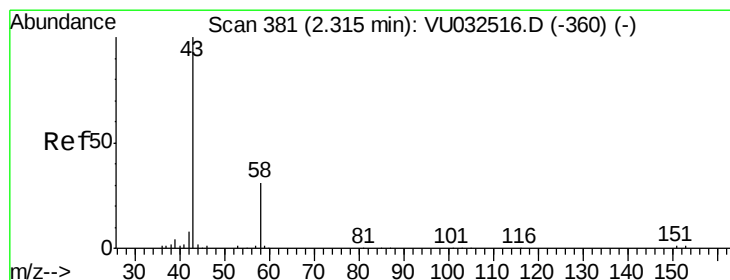
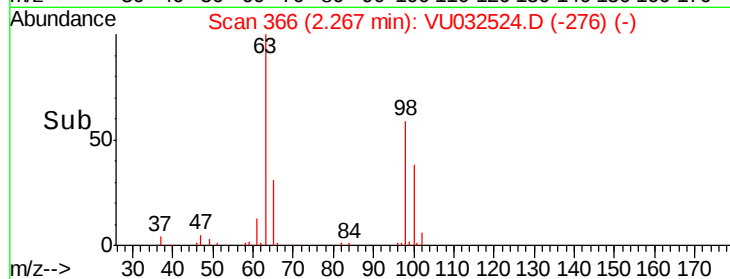
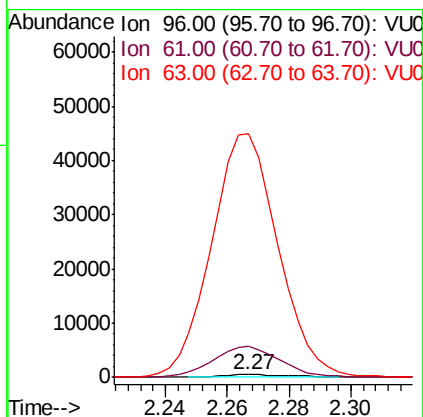
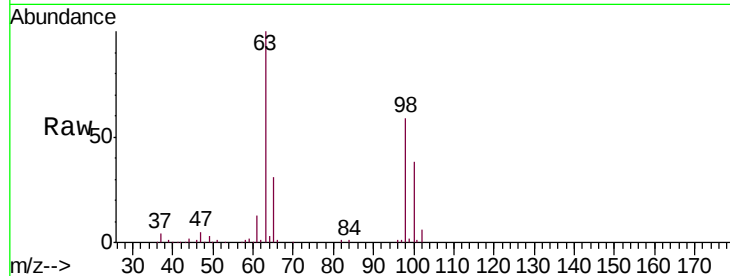
Tgt Ion: 96 Resp: 800

Ion Ratio Lower Upper

96 100

61 1174.3 129.5 240.5#

63 9374.5 103.4 192.0#



#13

Acetone

Concen: 15.140 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032524.D

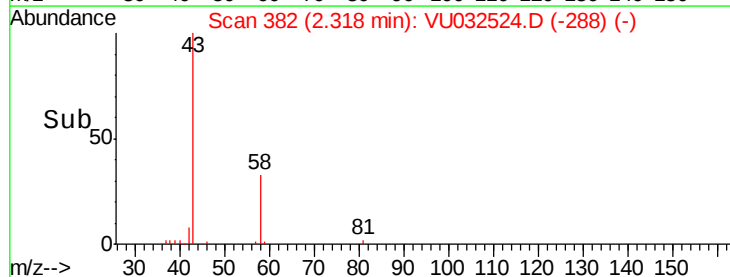
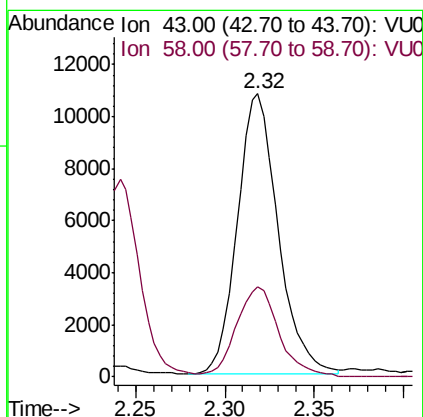
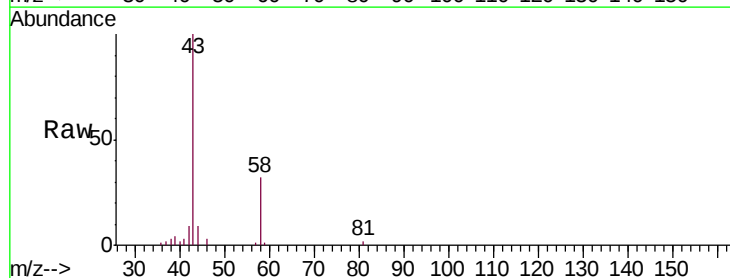
Acq: 07 Jun 2019 02:30

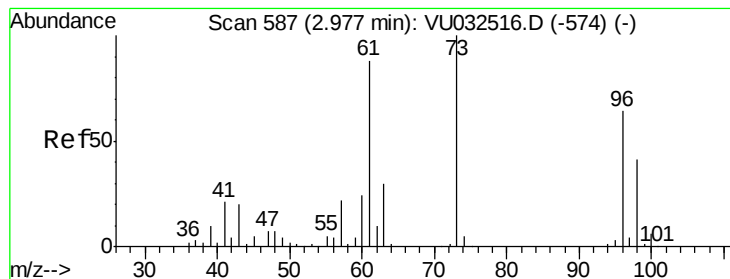
Tgt Ion: 43 Resp: 17146

Ion Ratio Lower Upper

43 100

58 33.6 0.0 64.0





#17

trans-1,2-Dichloroethene

Concen: 0.583 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Instrument :

MSVOA_U

ClientSampleId :

DB8J3

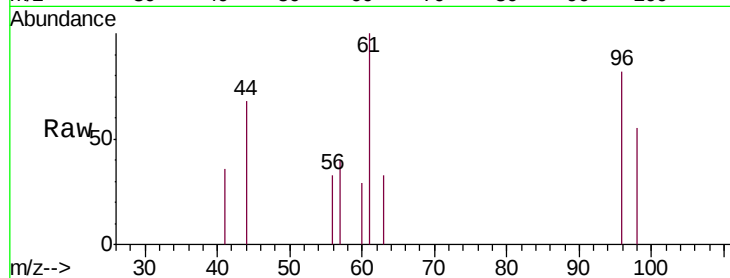
Tgt Ion: 96 Resp: 758

Ion Ratio Lower Upper

96 100

61 122.7 95.7 177.7

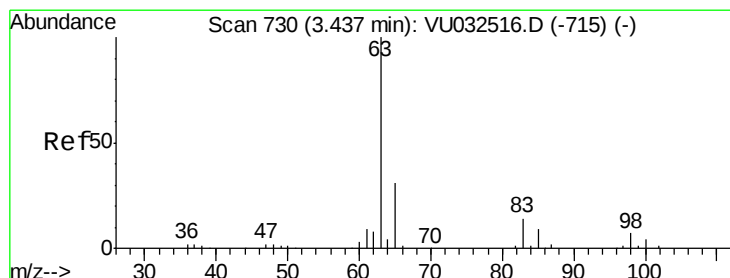
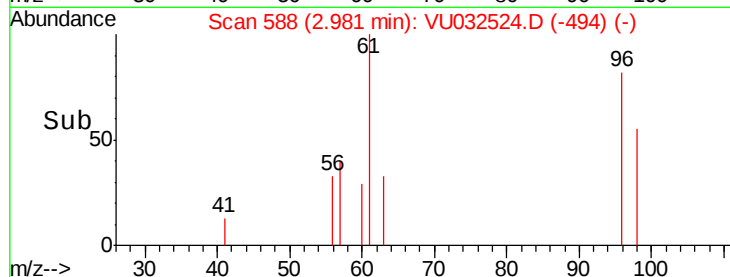
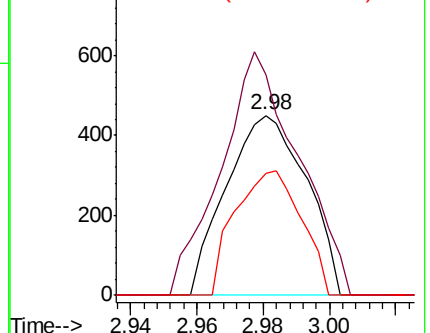
98 67.8 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032516.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032516.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032516.D (-574) (-)



#19

1,1-Dichloroethane

Concen: 2.099 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

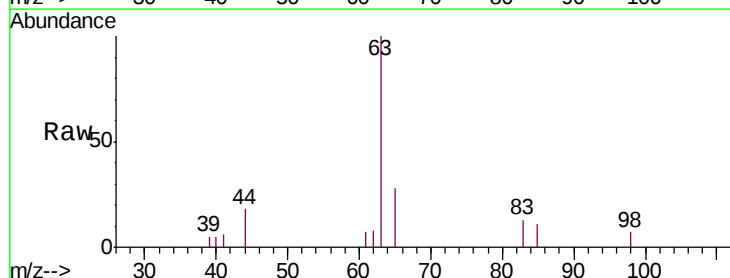
Tgt Ion: 63 Resp: 4975

Ion Ratio Lower Upper

63 100

65 27.6 21.8 40.6

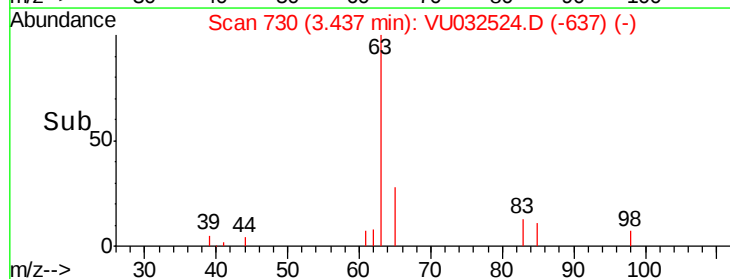
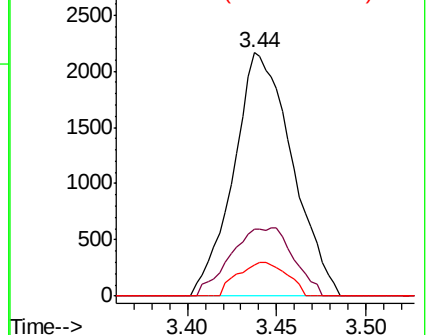
83 13.0 9.8 18.2

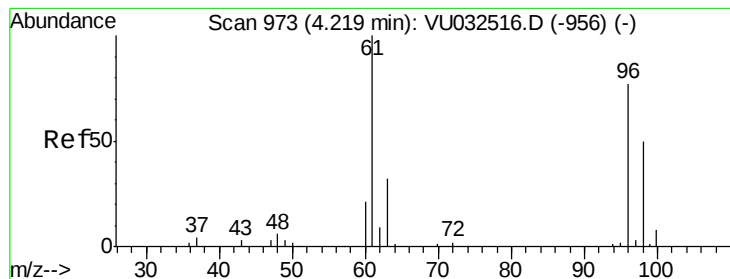


Abundance Ion 63.00 (62.70 to 63.70): VU032516.D (-715) (-)

Ion 65.00 (64.70 to 65.70): VU032516.D (-715) (-)

Ion 83.00 (82.70 to 83.70): VU032516.D (-715) (-)



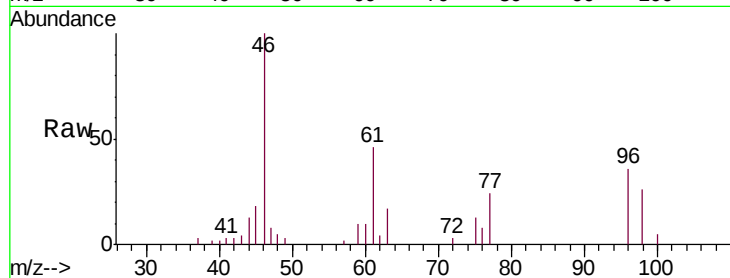


#20

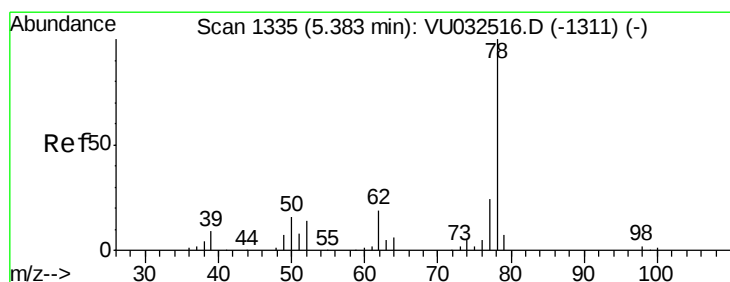
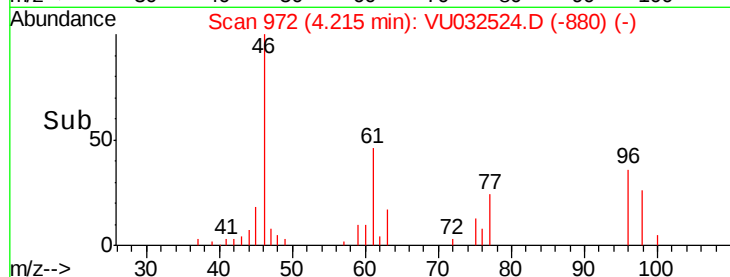
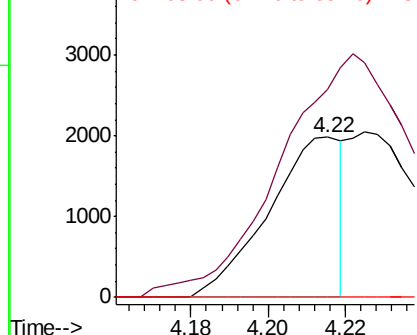
cis-1,2-Dichloroethene
Concen: 1.778 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

Instrument :
MSVOA_U
ClientSampleId :
DB8J3

Tgt Ion: 96 Resp: 2615
Ion Ratio Lower Upper
96 100
61 129.9 87.2 162.0
68 0.0 0.0 0.0



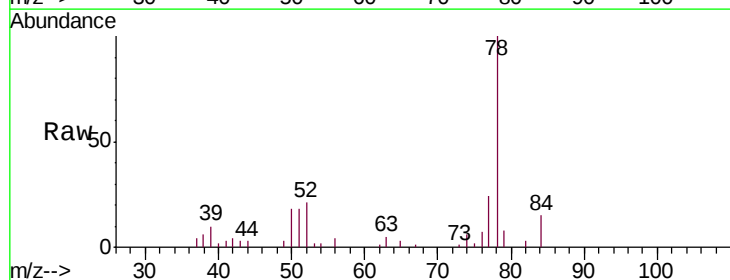
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



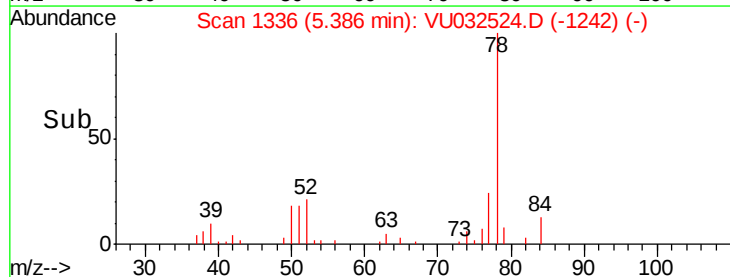
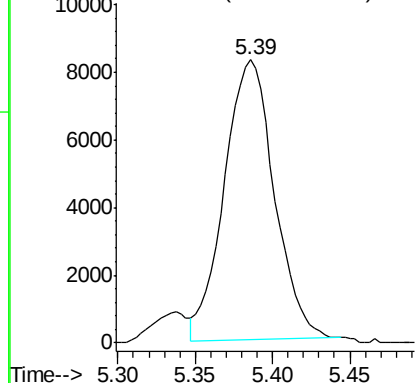
#33

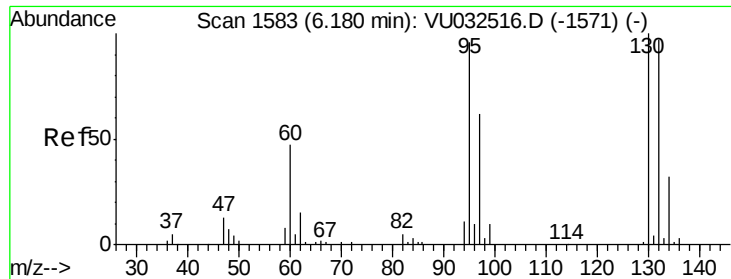
Benzene
Concen: 3.496 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

Tgt Ion: 78 Resp: 18632



Abundance Ion 78.00 (77.70 to 78.70): VU0

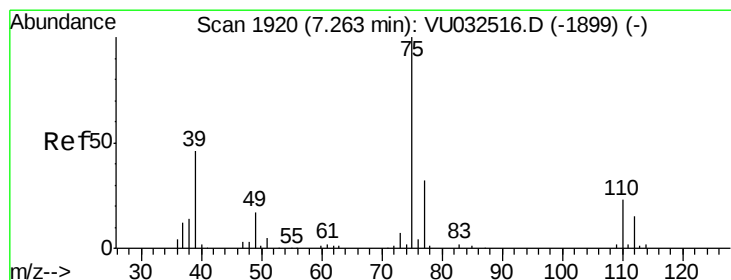
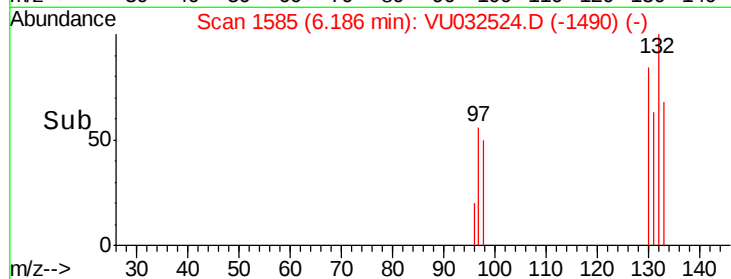
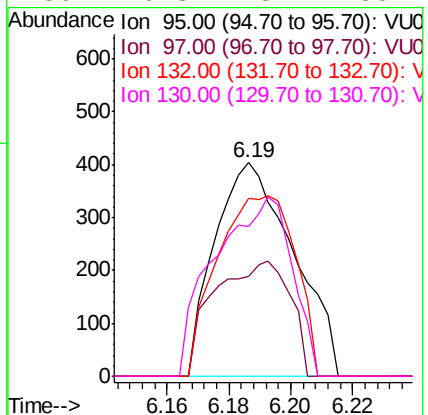
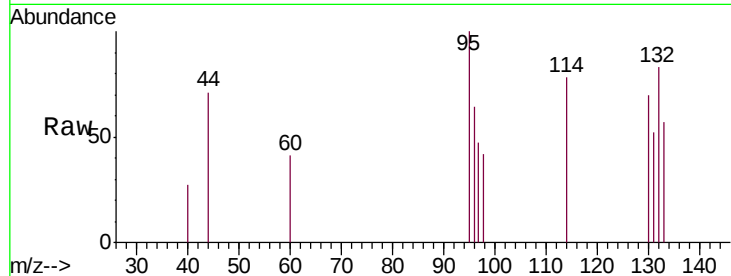




#34
 Trichloroethene
 Concen: 0.491 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU032524.D
 Acq: 07 Jun 2019 02:30

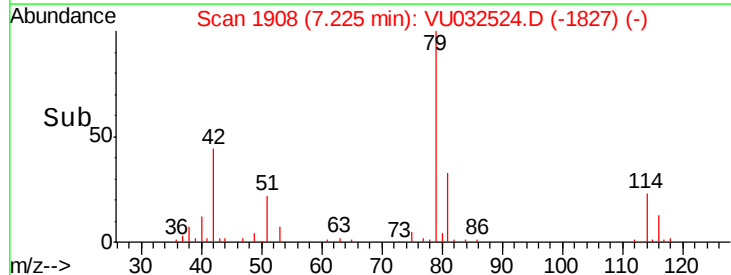
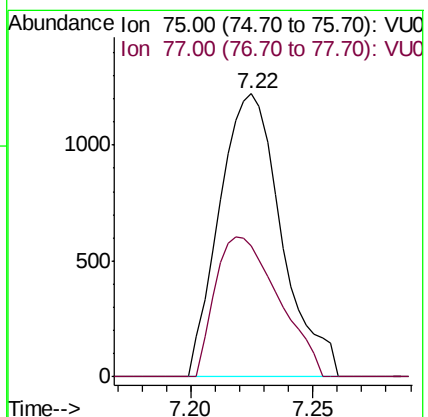
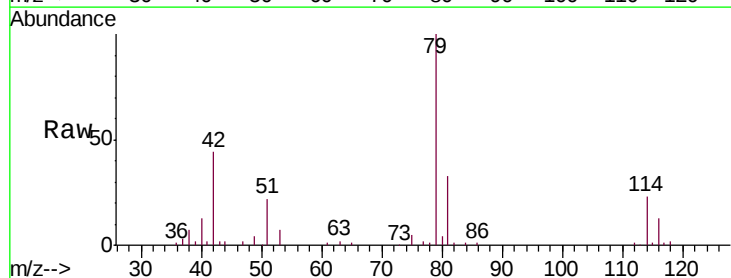
Instrument :
 MSVOA_U
 ClientSampleID :
 DB8J3

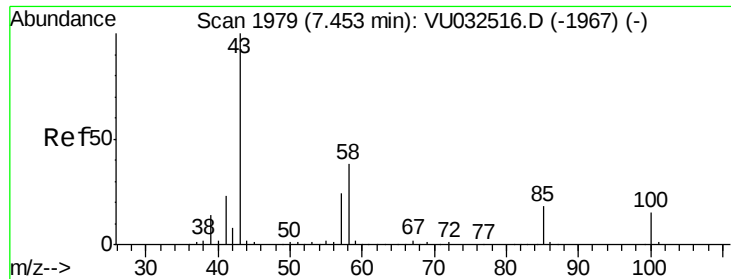
Tgt Ion: 95 Resp: 712
 Ion Ratio Lower Upper
 95 100
 97 46.8 45.8 85.2
 132 83.4 71.0 131.8
 130 70.3 73.4 136.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.971 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032524.D
 Acq: 07 Jun 2019 02:30

Tgt Ion: 75 Resp: 2165
 Ion Ratio Lower Upper
 75 100
 77 46.3 22.0 41.0#

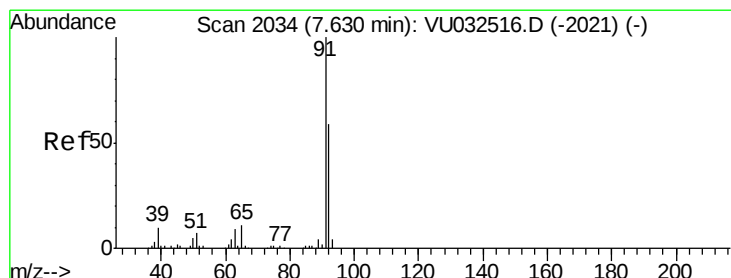
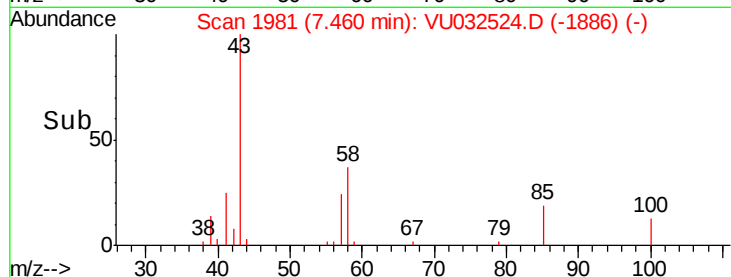
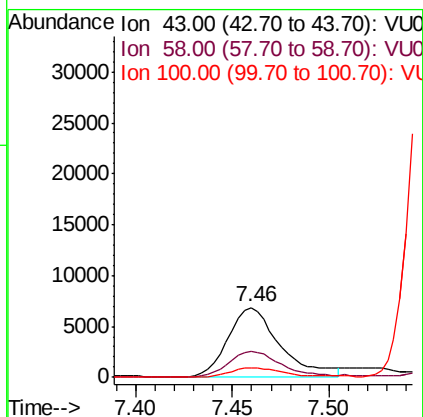
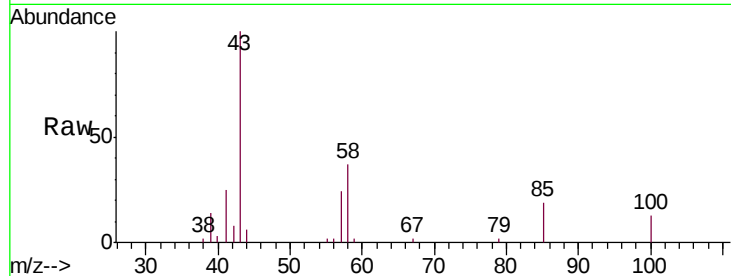




#40
4-Methyl-2-pentanone
Concen: 5.672 ug/L
RT: 7.46 min Scan# 1981
Delta R.T. 0.01 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

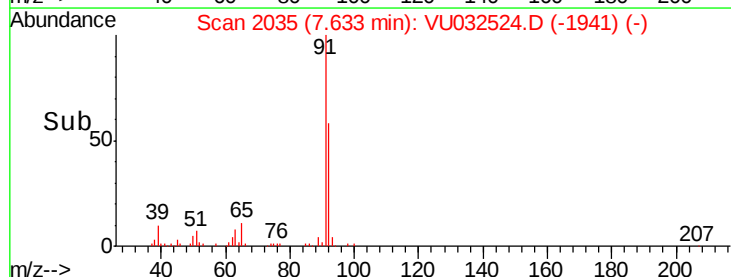
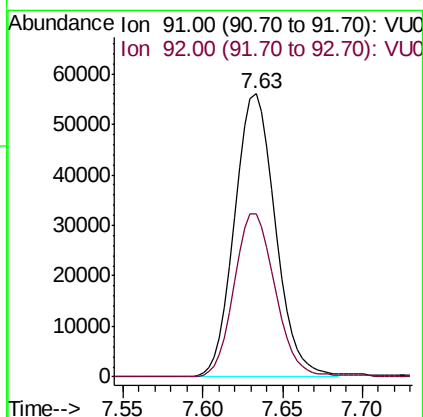
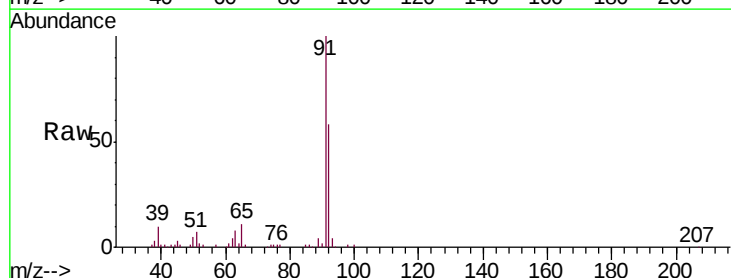
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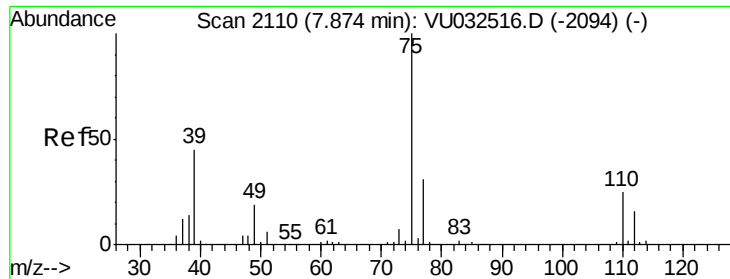
Tgt Ion: 43 Resp: 12891
Ion Ratio Lower Upper
43 100
58 37.7 30.8 46.2
100 13.2 12.1 18.1



#42
Toluene
Concen: 16.734 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

Tgt Ion: 91 Resp: 97675
Ion Ratio Lower Upper
91 100
92 57.6 39.7 73.7





#44

trans-1,3-Dichloropropene

Concen: 0.750 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Instrument :

MSVOA_U

ClientSampleId :

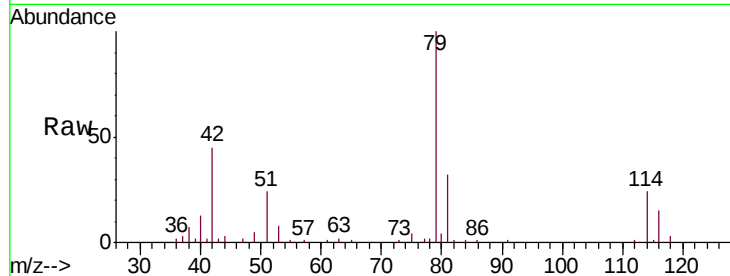
DB8J3

Tgt Ion: 75 Resp: 1484

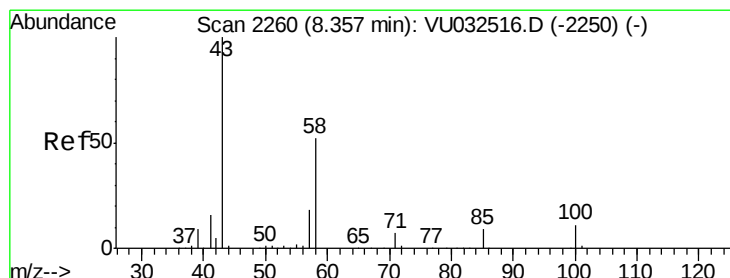
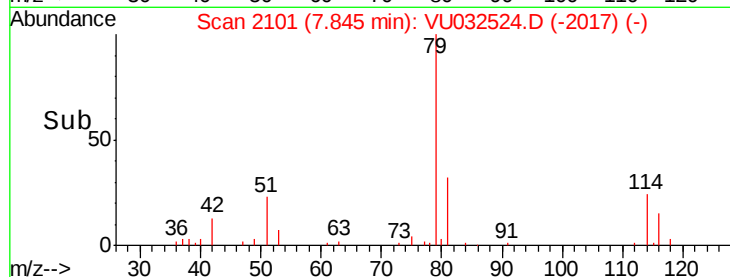
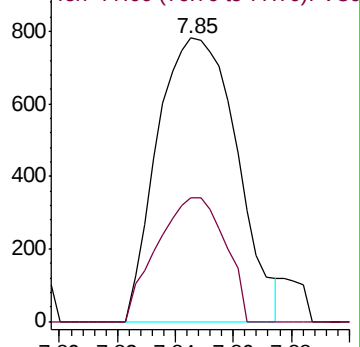
Ion Ratio Lower Upper

75 100

77 43.5 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU032516.D (-2094) (-)



#48

2-Hexanone

Concen: 187.240 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.05 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Tgt Ion: 43 Resp: 349550

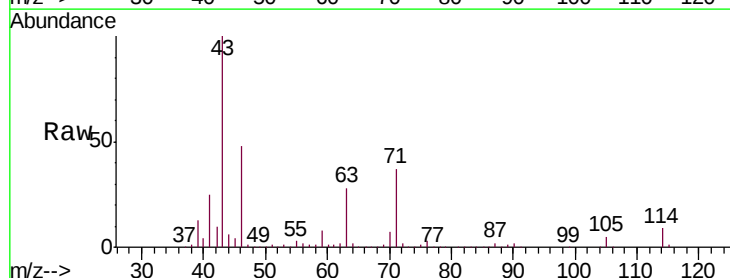
Ion Ratio Lower Upper

43 100

58 0.8 42.0 63.0#

57 1.0 14.6 22.0#

100 0.0 9.2 13.8#

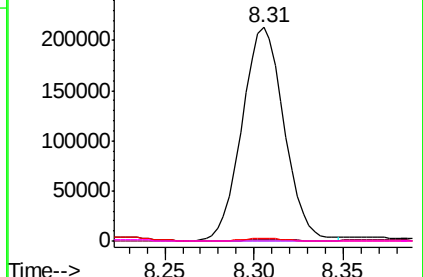
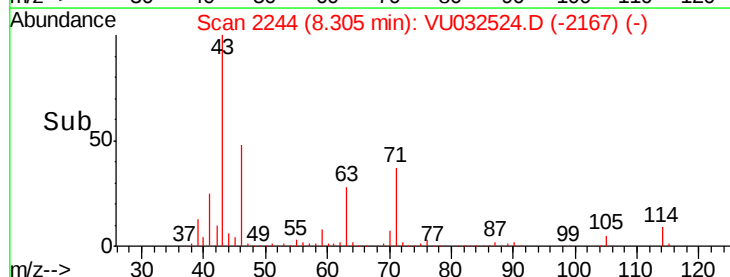


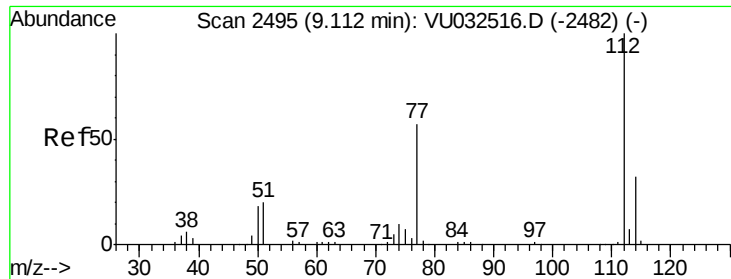
Abundance Ion 43.00 (42.70 to 43.70): VU032516.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU032516.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU032516.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU032516.D (-2250) (-)

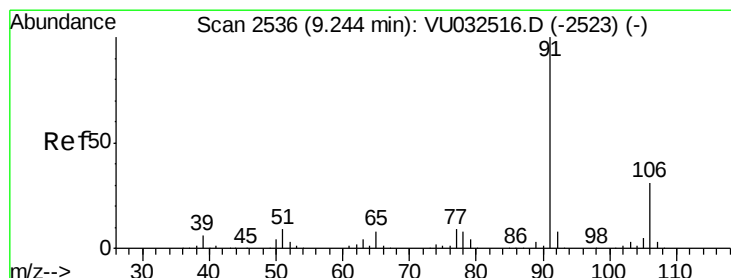
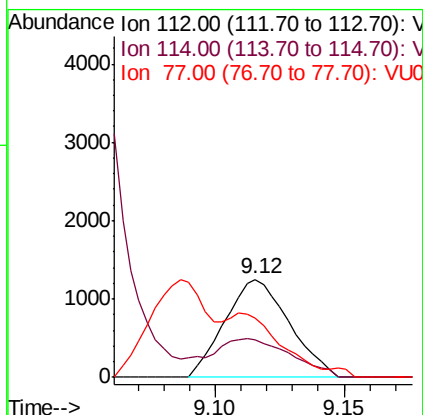
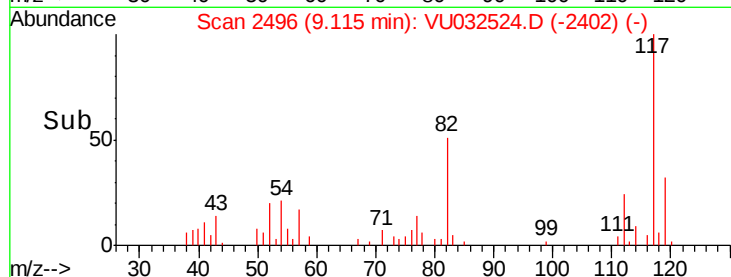
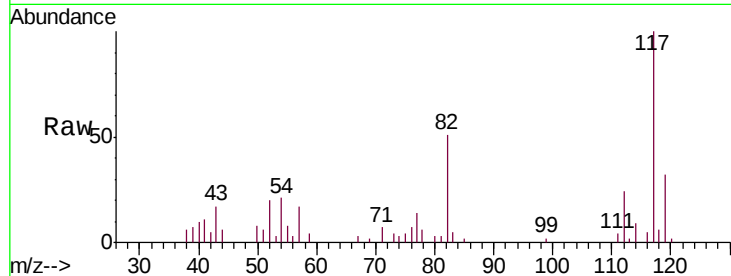




#51
Chlorobenzene
Concen: 0.577 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

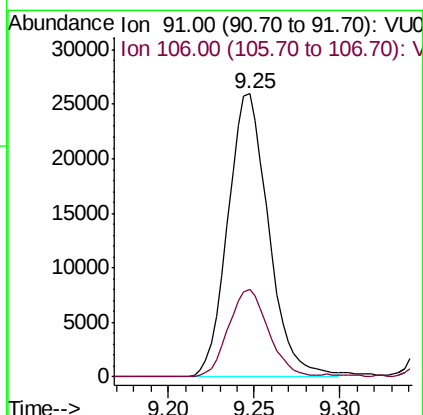
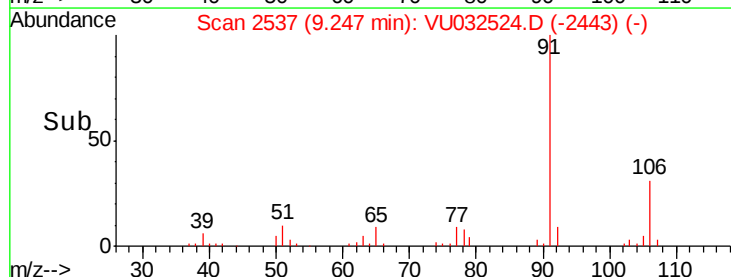
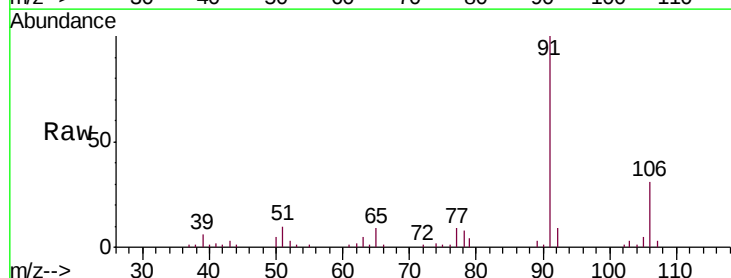
Instrument :
MSVOA_U
ClientSampleId :
DB8J3

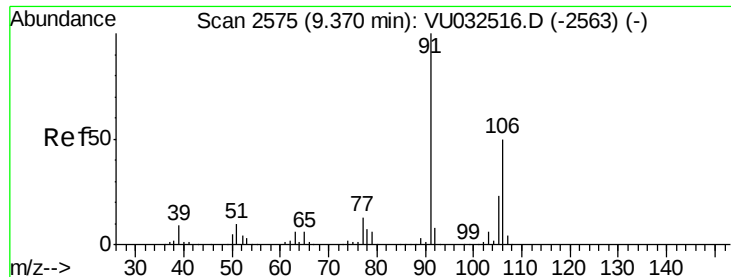
Tgt Ion: 112 Resp: 2171
Ion Ratio Lower Upper
112 100
114 37.8 22.6 42.0
77 59.9 46.1 69.1



#52
Ethylbenzene
Concen: 6.589 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

Tgt Ion: 91 Resp: 42868
Ion Ratio Lower Upper
91 100
106 31.1 22.0 41.0

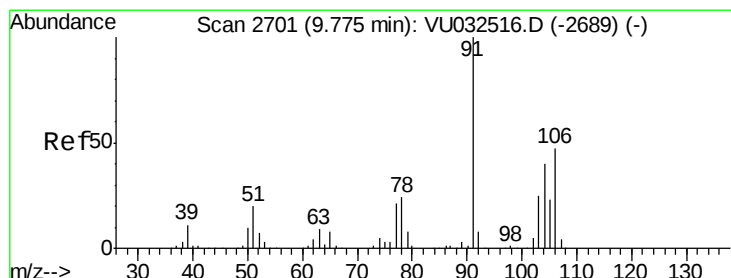
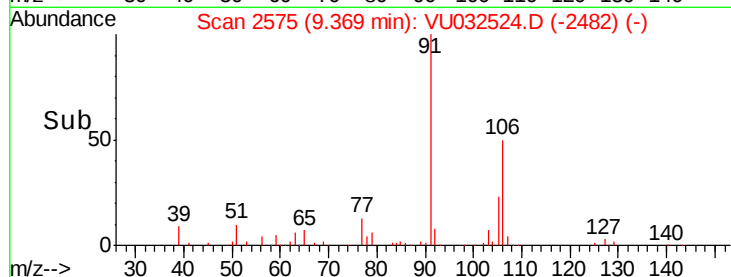
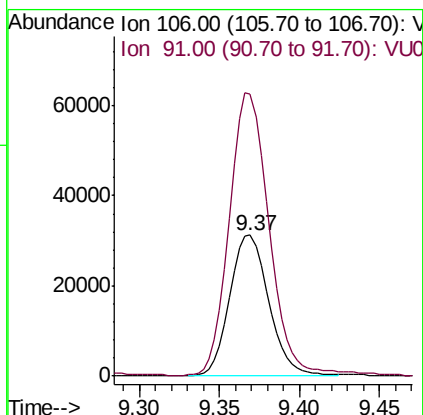
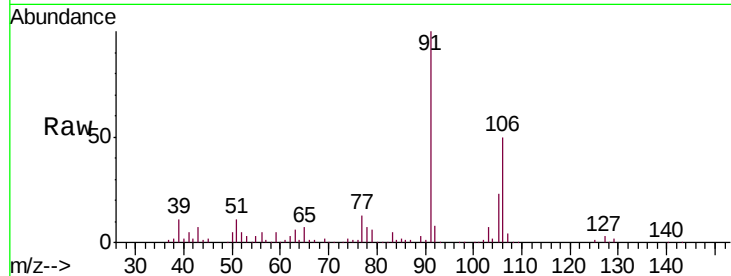




#53
m,p-Xylene
Concen: 21.180 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

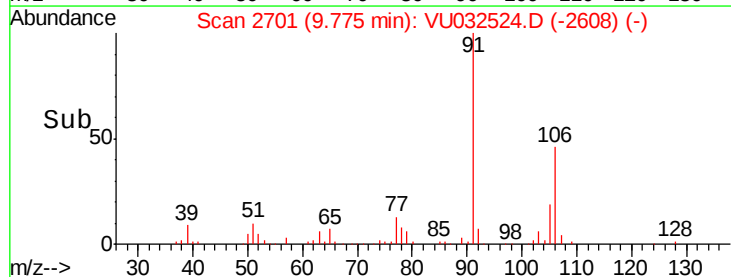
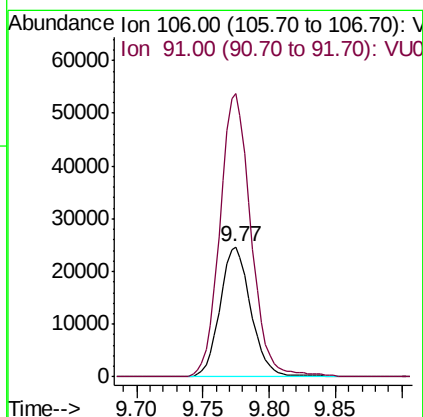
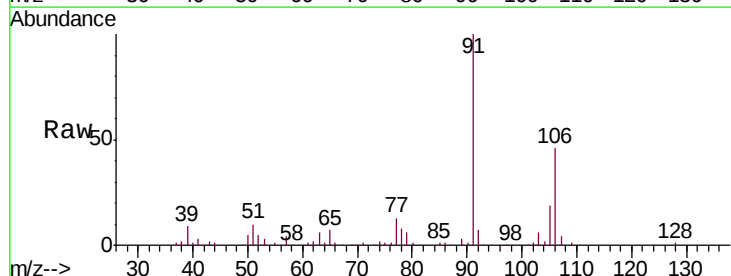
Instrument :
MSVOA_U
ClientSampleId :
DB8J3

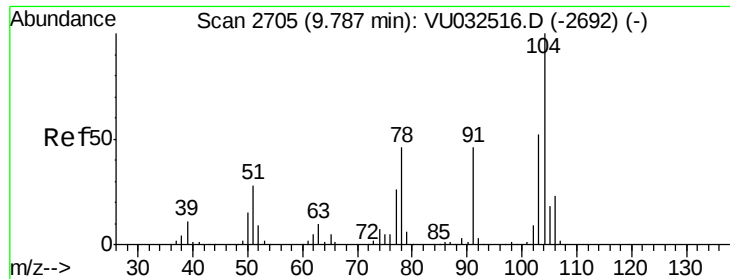
Tgt Ion:106 Resp: 52398
Ion Ratio Lower Upper
106 100
91 200.5 141.7 263.1



#54
o-xylene
Concen: 16.305 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

Tgt Ion:106 Resp: 40051
Ion Ratio Lower Upper
106 100
91 217.0 150.1 278.7

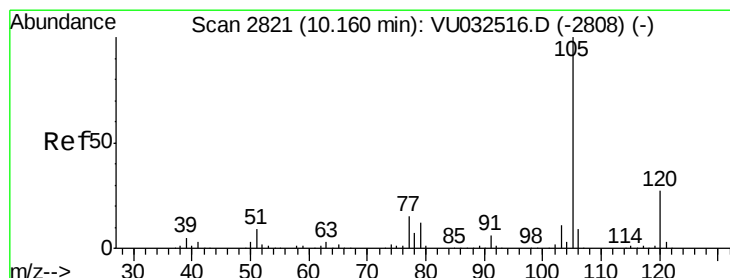
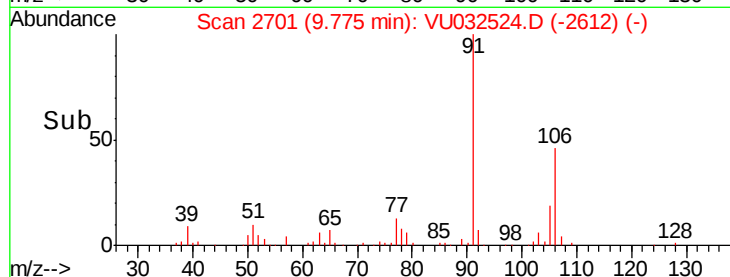
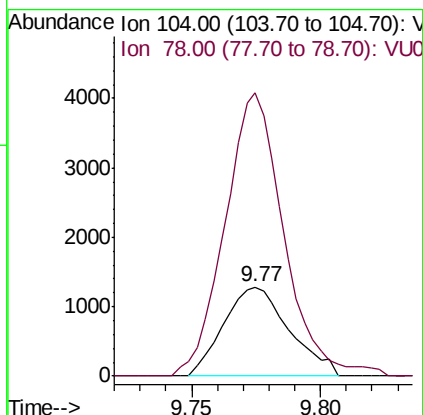
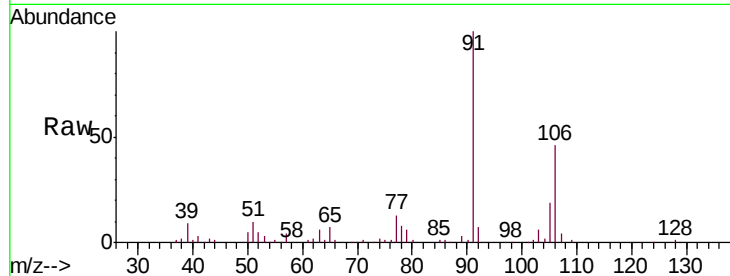




#55
Styrene
Concen: 0.555 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.01 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

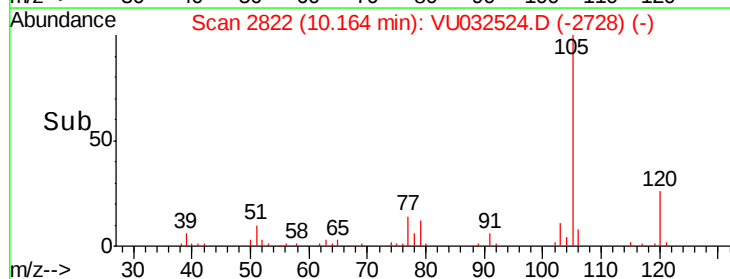
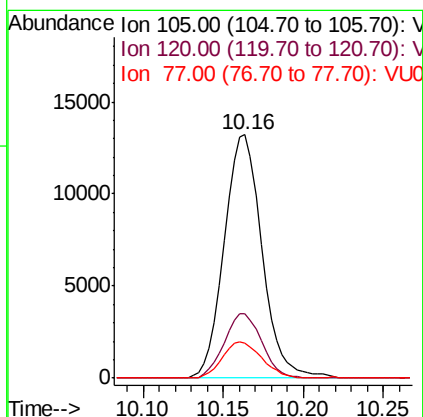
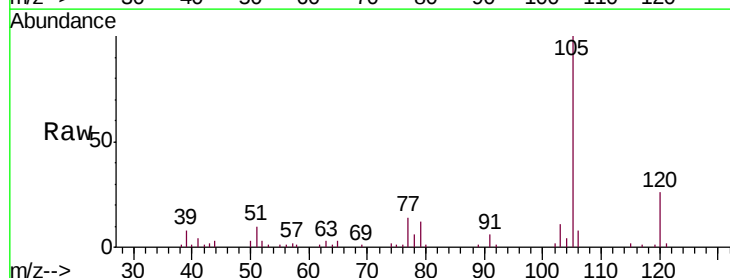
Instrument :
MSVOA_U
ClientSampleId :
DB8J3

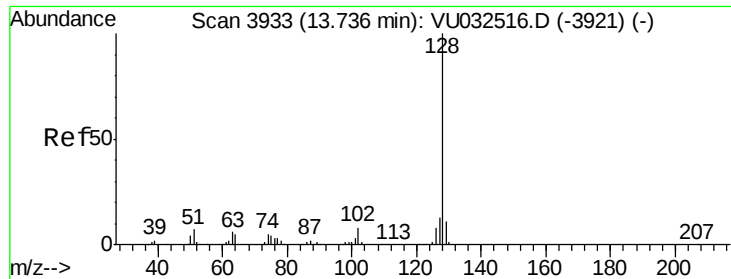
Tgt Ion:104 Resp: 2274
Ion Ratio Lower Upper
104 100
78 317.0 31.6 58.6#



#56
Isopropylbenzene
Concen: 3.289 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

Tgt Ion:105 Resp: 21301
Ion Ratio Lower Upper
105 100
120 26.1 21.6 32.4
77 15.4 12.4 18.6





#69

Naphthalene

Concen: 13.434 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Instrument :

MSVOA_U

ClientSampleId :

DB8J3

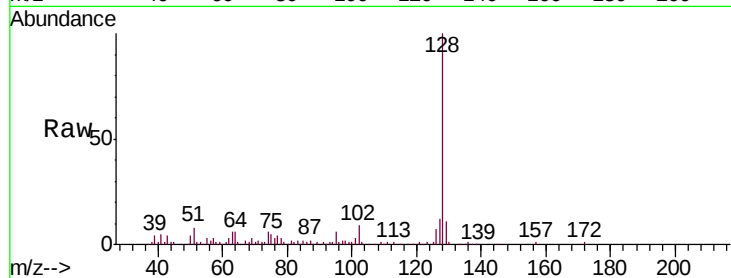
Tgt Ion:128 Resp: 84756

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

129 10.9 8.5 12.7



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

