

Data File : VU029496.D
Acq On : 15 Feb 2019 14:44
Operator : JC/SP
Sample : K1455-01DL 200X
Misc : 4.86g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BE801DL

Quant Time: Feb 15 23:37:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 15 23:28:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	423868	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	413979	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218517	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	143687	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.52%
7) Chloroethane-d5	1.68	69	128242	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.88%
11) 1,1-Dichloroethene-d2	2.27	63	232345	38.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.54%
21) 2-Butanone-d5	4.17	46	185008	97.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.88%
24) Chloroform-d	4.65	84	233300	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
26) 1,2-Dichloroethane-d4	5.31	65	152185	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
32) Benzene-d6	5.34	84	513787	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.64%
36) 1,2-Dichloropropane-d6	6.33	67	152960	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.62%
41) Toluene-d8	7.56	98	513602	48.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.62%
43) trans-1,3-Dichloropropene-	7.85	79	77259	46.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.96%
47) 2-Hexanone-d5	8.31	63	172516	98.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	240319	45.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	227023	48.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.42%

Target Compounds

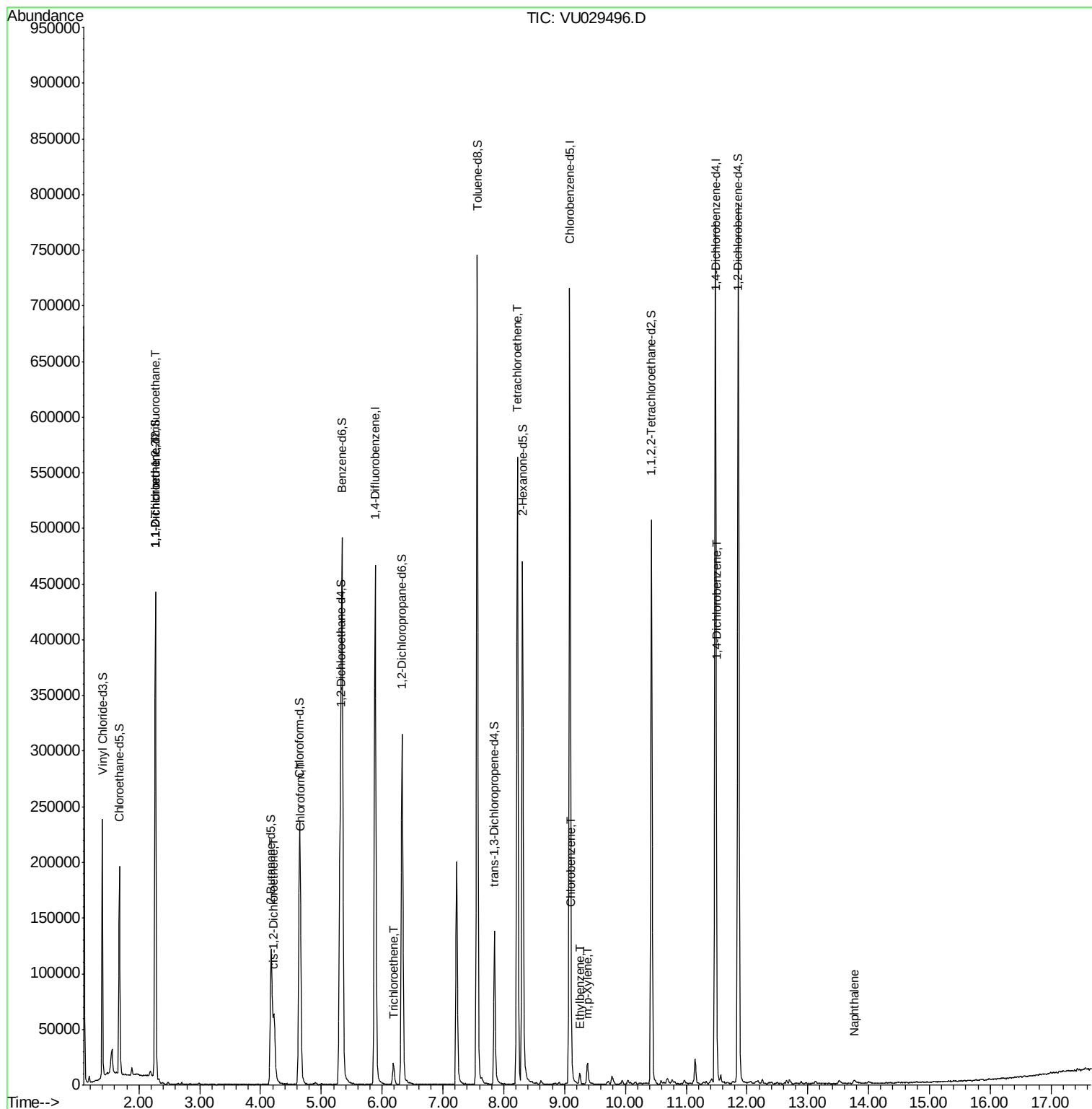
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2928	0.992 ug/L #	30
12) 1,1-Dichloroethene	2.27	96	2089	0.744 ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	29820	9.906 ug/L	97
25) Chloroform	4.67	83	5089	1.018 ug/L	90
34) Trichloroethene	6.19	95	6682	2.337 ug/L	93
46) Tetrachloroethene	8.22	164	135429	48.392 ug/L	99
51) Chlorobenzene	9.12	112	8360	0.970 ug/L	95
52) Ethylbenzene	9.25	91	7645	0.536 ug/L	97
53) m,p-Xylene	9.38	106	6208	1.085 ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	4962	0.708 ug/L	92
69) Naphthalene	13.76	128	6230	0.441 ug/L #	80

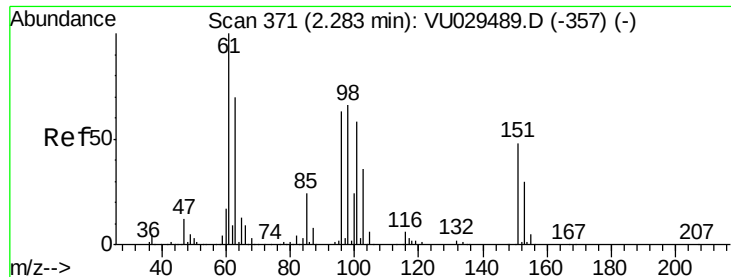
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.992 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

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Acq: 15 Feb 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

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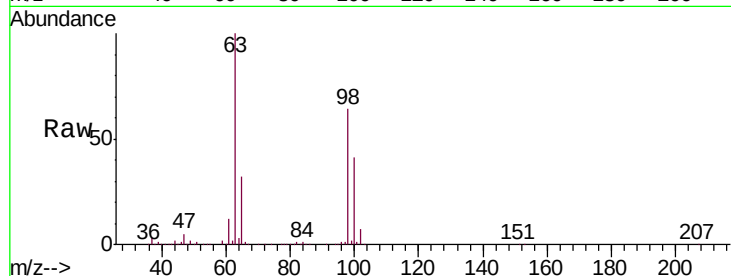
Tgt Ion: 101 Resp: 2928

Ion Ratio Lower Upper

101 100

85 5.3 33.0 49.6#

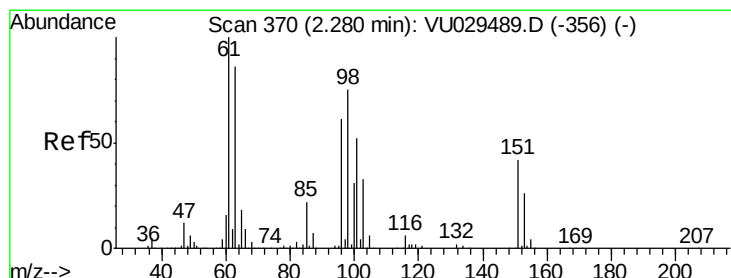
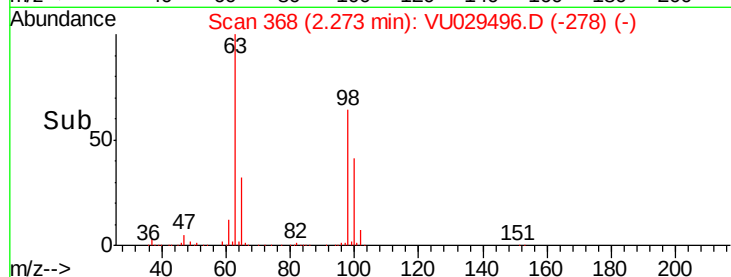
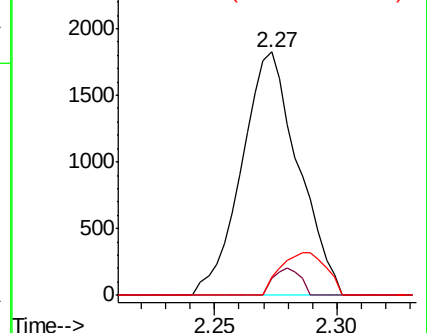
151 14.1 65.7 98.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.744 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029496.D

Acq: 15 Feb 2019 14:44

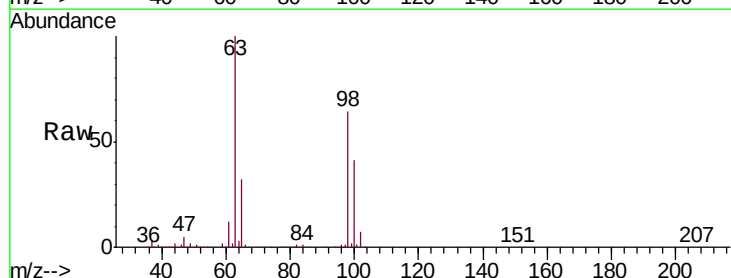
Tgt Ion: 96 Resp: 2089

Ion Ratio Lower Upper

96 100

61 1495.6 114.0 211.8#

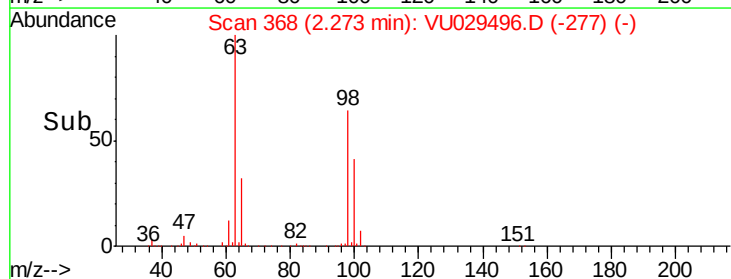
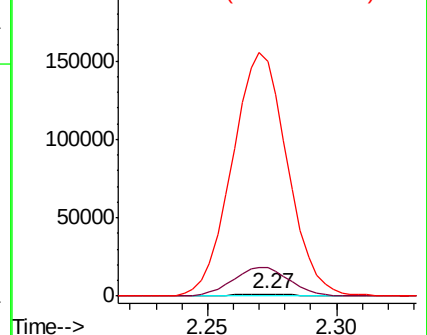
63 12438.2 98.7 183.3#

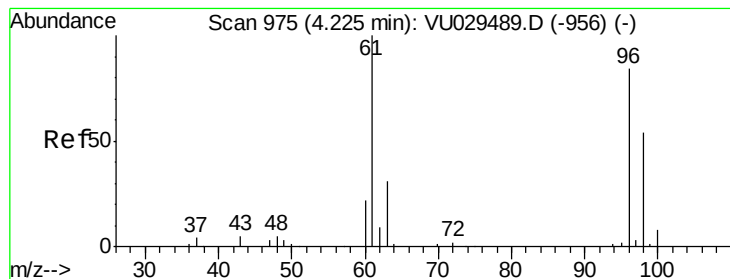


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 9.906 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

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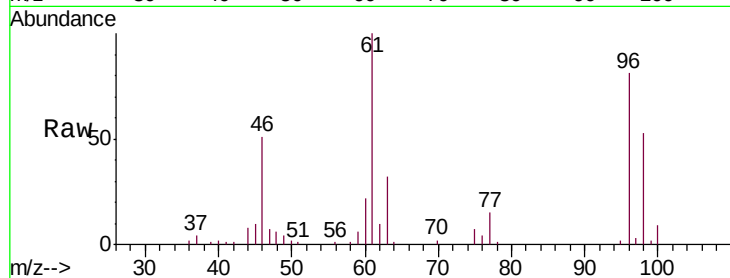
Tgt Ion: 96 Resp: 29820

Ion Ratio Lower Upper

96 100

61 123.0 83.9 155.7

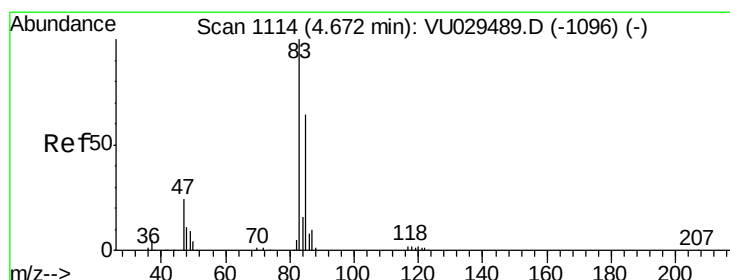
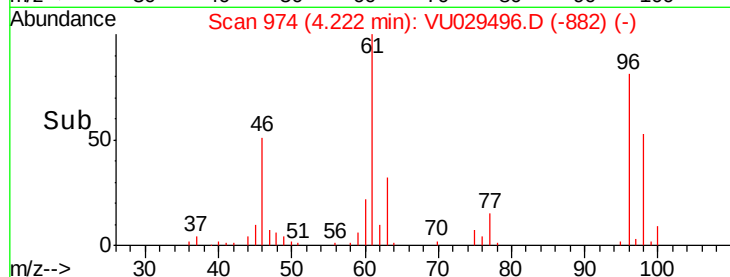
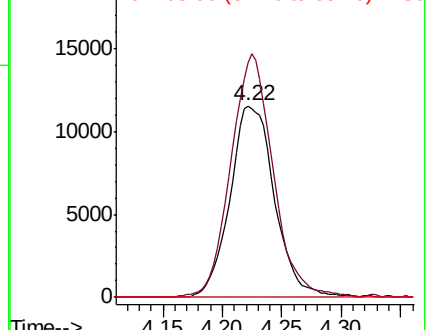
68 0.0 0.0 0.0



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



#25

Chloroform

Concen: 1.018 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VU029496.D

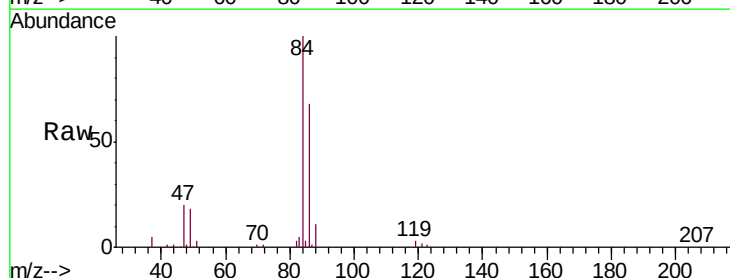
Acq: 15 Feb 2019 14:44

Tgt Ion: 83 Resp: 5089

Ion Ratio Lower Upper

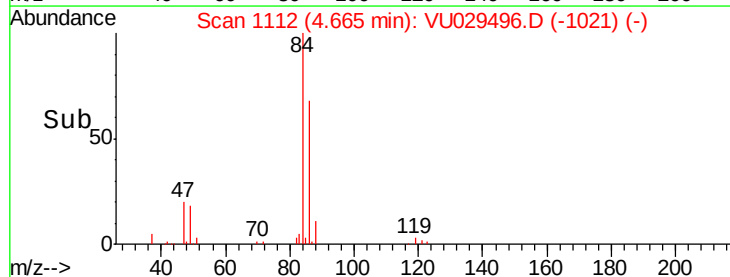
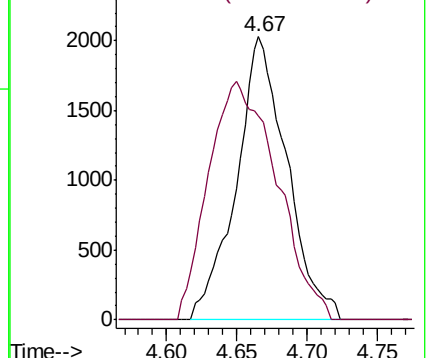
83 100

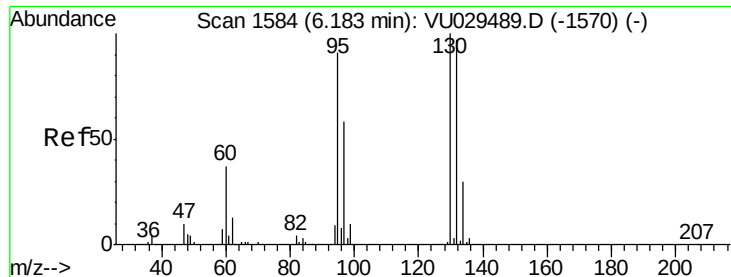
85 72.3 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 2.337 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029496.D

Acq: 15 Feb 2019 14:44

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 6682

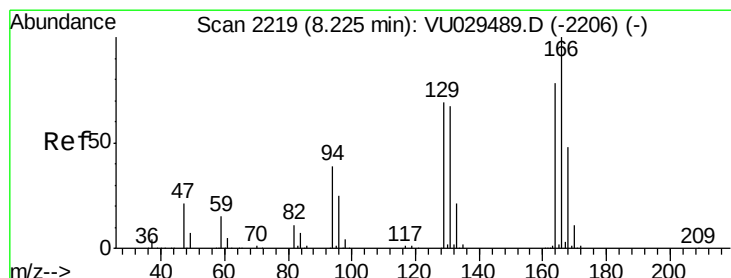
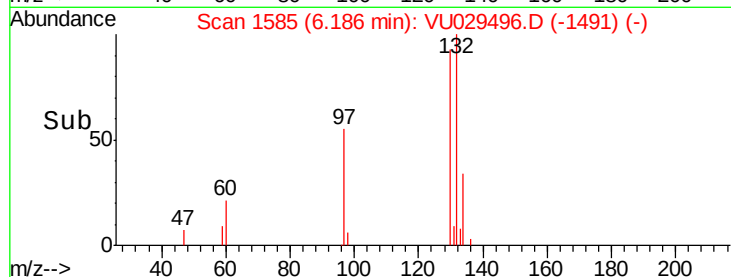
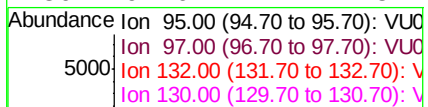
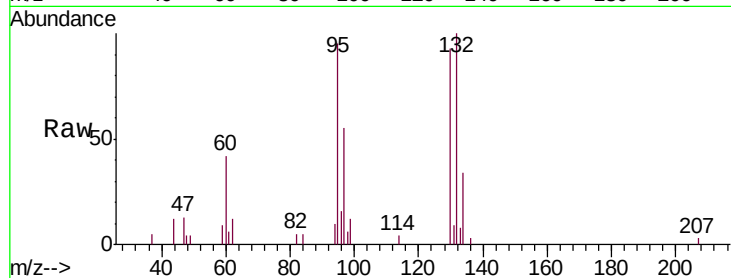
Ion Ratio Lower Upper

95 100

97 57.7 44.6 82.8

132 105.4 74.6 138.6

130 97.6 77.2 143.4



#46

Tetrachloroethene

Concen: 48.392 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029496.D

Acq: 15 Feb 2019 14:44

Tgt Ion: 164 Resp: 135429

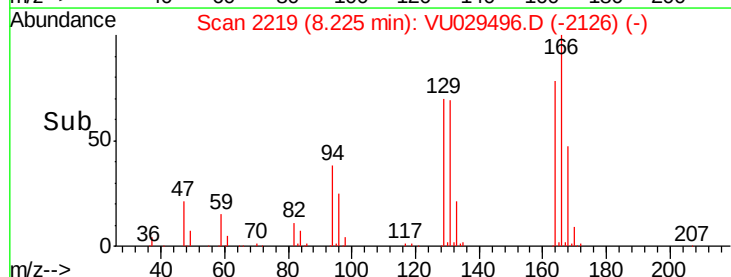
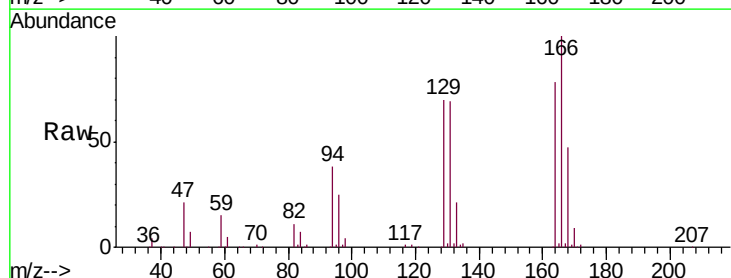
Ion Ratio Lower Upper

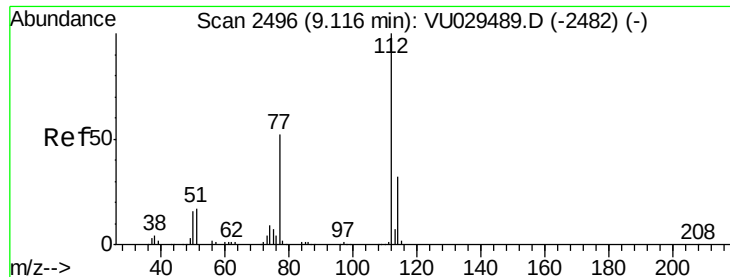
164 100

129 89.0 62.1 115.3

131 88.5 60.1 111.5

166 127.9 89.7 166.5

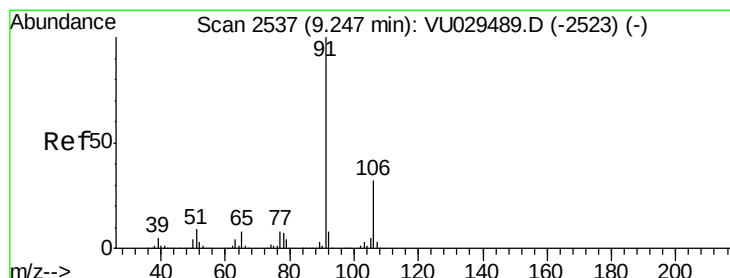
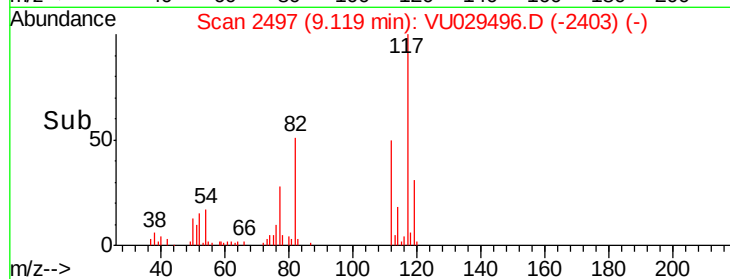
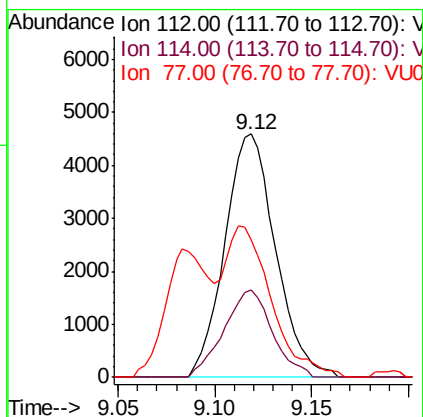
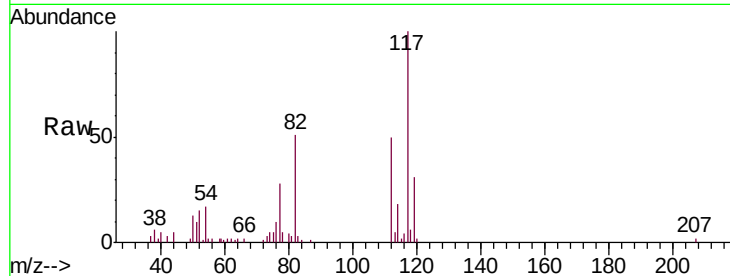




#51
Chlorobenzene
Concen: 0.970 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029496.D
Acq: 15 Feb 2019 14:44

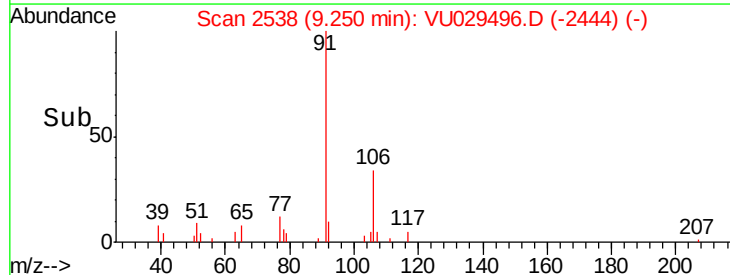
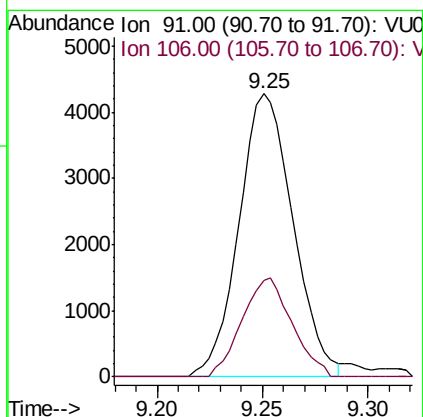
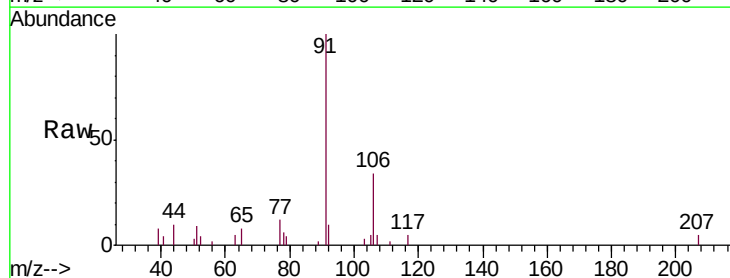
Instrument :
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ClientSampleId :
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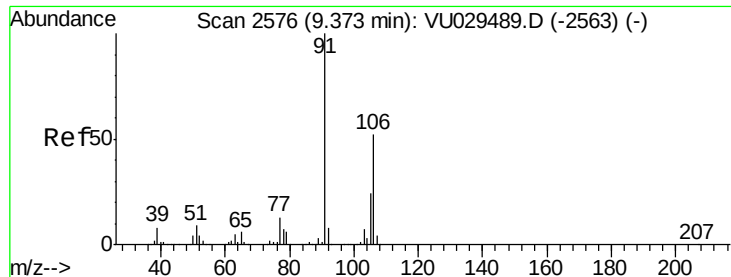
Tgt Ion: 112 Resp: 8360
Ion Ratio Lower Upper
112 100
114 35.7 22.7 42.1
77 56.2 42.1 63.1



#52
Ethylbenzene
Concen: 0.536 ug/L
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU029496.D
Acq: 15 Feb 2019 14:44

Tgt Ion: 91 Resp: 7645
Ion Ratio Lower Upper
91 100
106 33.9 22.7 42.1





#53

m,p-Xylene

Concen: 1.085 ug/L

RT: 9.38 min Scan# 2578

Delta R.T. 0.01 min

Lab File: VU029496.D

Acq: 15 Feb 2019 14:44

Instrument :

MSVOA_U

ClientSampleId :

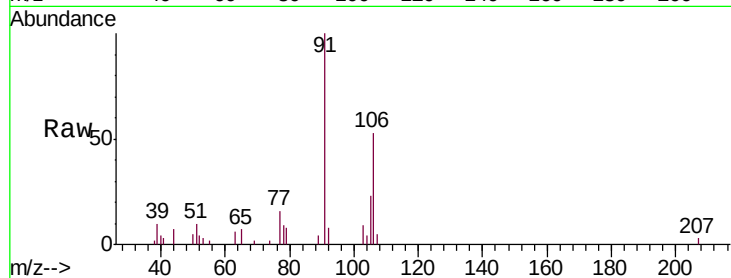
BE801DL

Tgt Ion:106 Resp: 6208

Ion Ratio Lower Upper

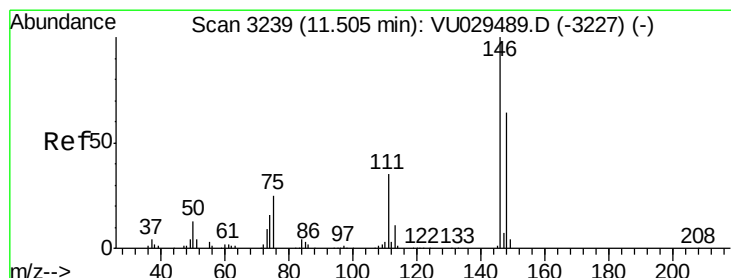
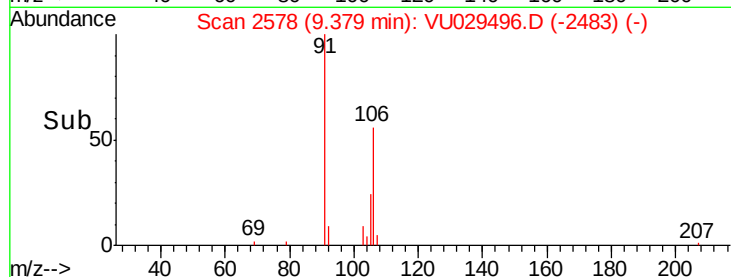
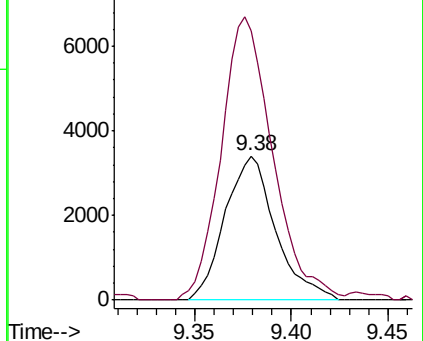
106 100

91 187.0 135.3 251.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#63

1,4-Dichlorobenzene

Concen: 0.708 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029496.D

Acq: 15 Feb 2019 14:44

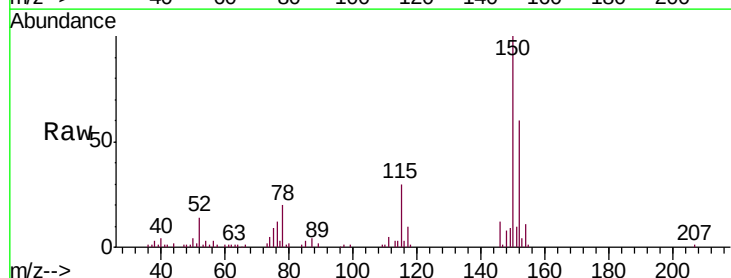
Tgt Ion:146 Resp: 4962

Ion Ratio Lower Upper

146 100

111 44.4 25.1 46.5

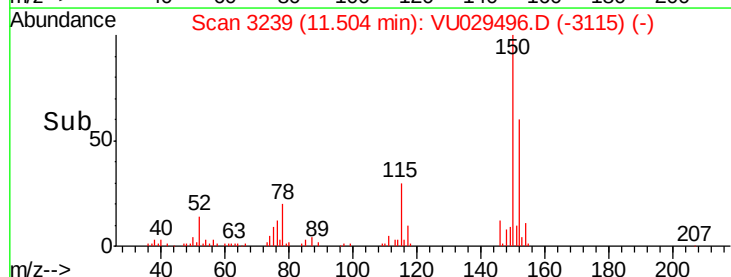
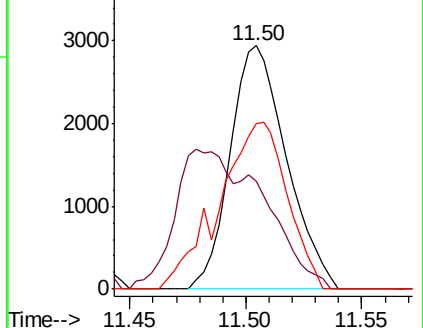
148 68.1 45.0 83.6

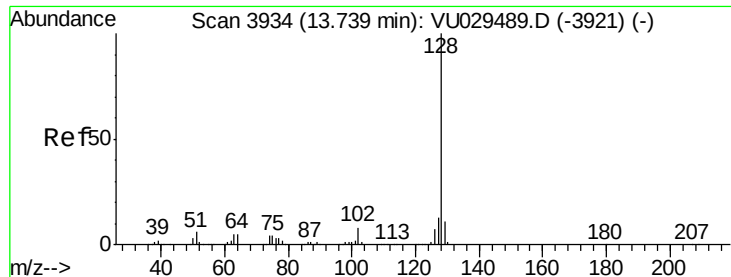


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 0.441 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. 0.03 min

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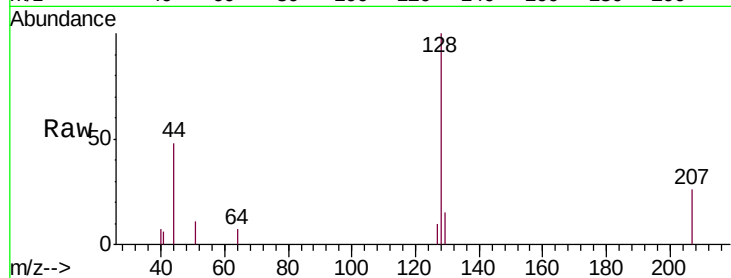
Tgt Ion:128 Resp: 6230

Ion Ratio Lower Upper

128 100

127 2.2 10.2 15.4#

129 6.4 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

