

Data File : VU028929.D
Acq On : 22 Dec 2018 21:03
Operator : MD/SY
Sample : J6392-06ME
Misc : 5.65g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
KY001SB103-121118-(20-22)ME

Quant Time: Dec 24 11:02:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	184568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	303731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	283889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	145568	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	105684	37.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.04%	
35) Dibromofluoromethane	4.88	113	92685	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	7.56	98	394711	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	10.31	95	147694	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	

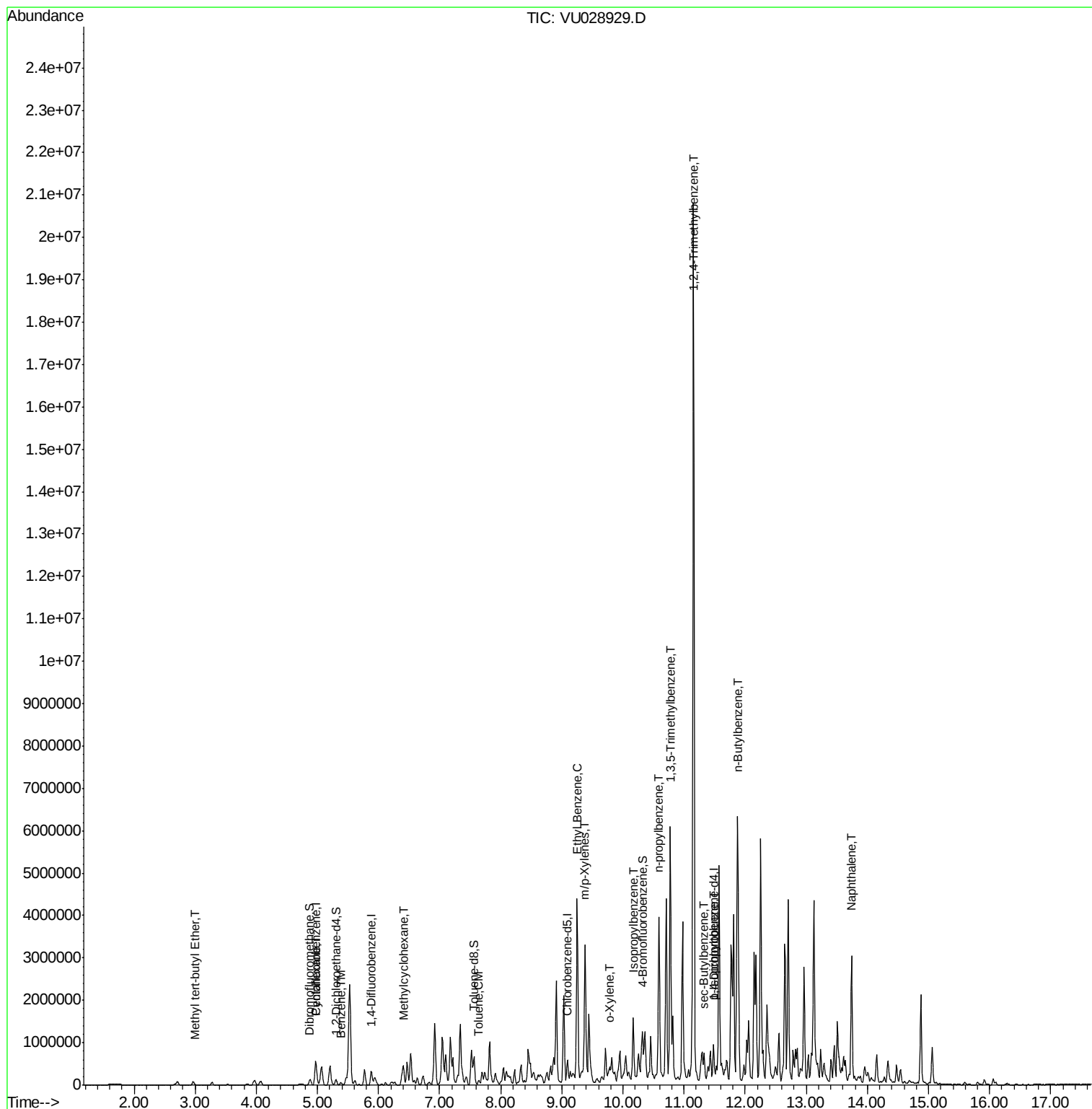
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.01	73	11748	1.508	ug/l	92
31) Cyclohexane	4.97	56	86500	17.125	ug/l #	77
39) Methylcyclohexane	6.41	83	214712	52.952	ug/l	91
40) Benzene	5.38	78	59225	6.050	ug/l	97
52) Toluene	7.64	92	15545	2.698	ug/l	94
67) Ethyl Benzene	9.25	91	2973695	267.401	ug/l	98
68) m/p-Xylenes	9.38	106	898145	221.954	ug/l	95
69) o-Xylene	9.78	106	88918	22.611	ug/l	93
73) Isopropylbenzene	10.17	105	936755	83.864	ug/l	99
78) n-propylbenzene	10.59	91	3092907	222.837	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	3230454	349.384	ug/l	97
84) 1,2,4-Trimethylbenzene	11.16	105	11316859	1187.632	ug/l	95
85) sec-Butylbenzene	11.32	105	368896	32.221	ug/l	99
86) p-Isopropyltoluene	11.48	119	144558	14.864	ug/l	98
89) n-Butylbenzene	11.89	91	1371088	139.300	ug/l #	32
95) Naphthalene	13.74	128	2303473	194.547	ug/l	99

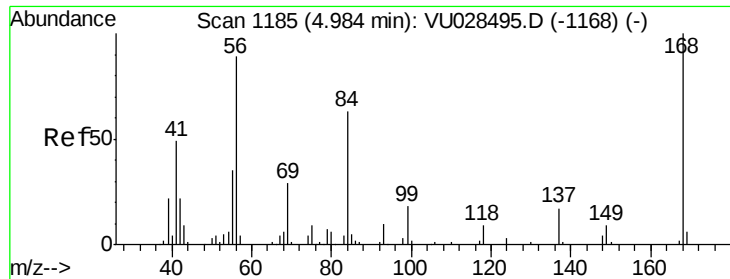
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

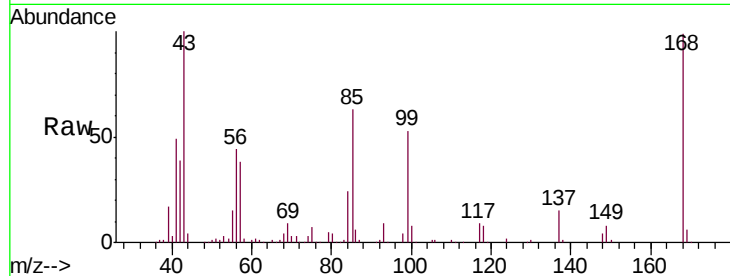
KY001SB103-121118-(20-22)ME

Tgt Ion: 168 Resp: 184568

Ion Ratio Lower Upper

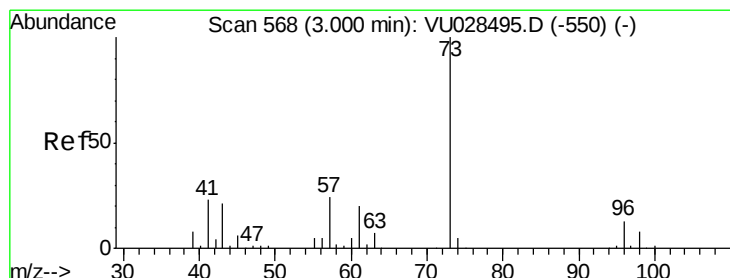
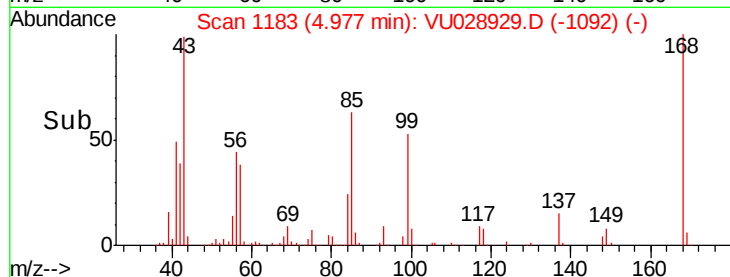
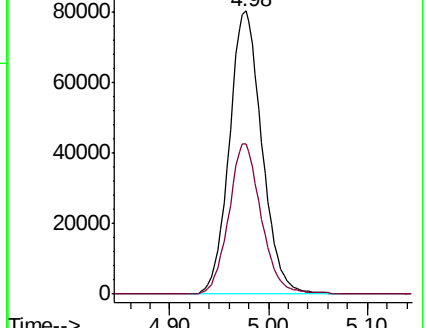
168 100

99 53.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)



#19

Methyl tert-butyl Ether

Concen: 1.508 ug/l

RT: 3.01 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU028929.D

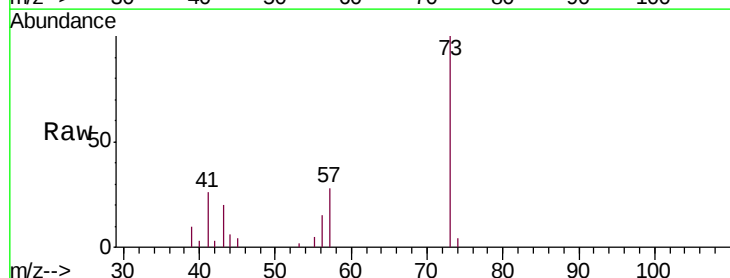
Acq: 22 Dec 2018 21:03

Tgt Ion: 73 Resp: 11748

Ion Ratio Lower Upper

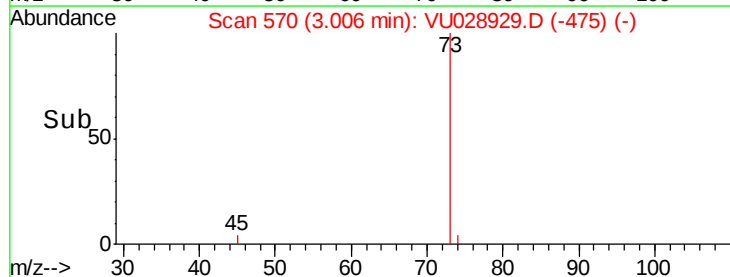
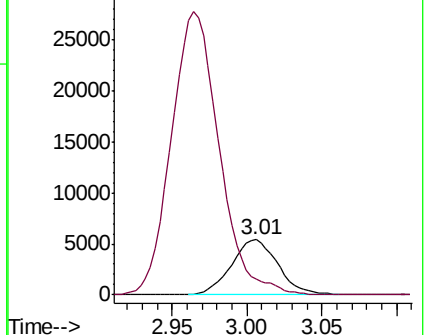
73 100

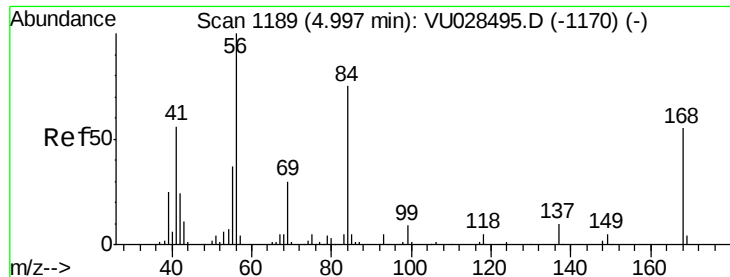
57 28.1 19.4 29.2



Abundance Ion 73.00 (72.70 to 73.70): VU028495.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU028495.D (-550) (-)

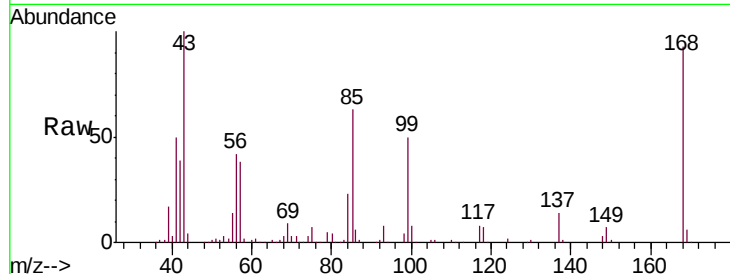




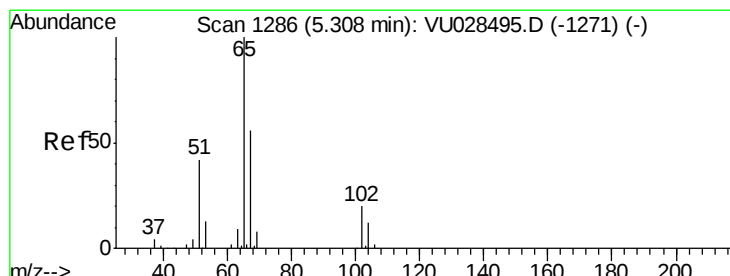
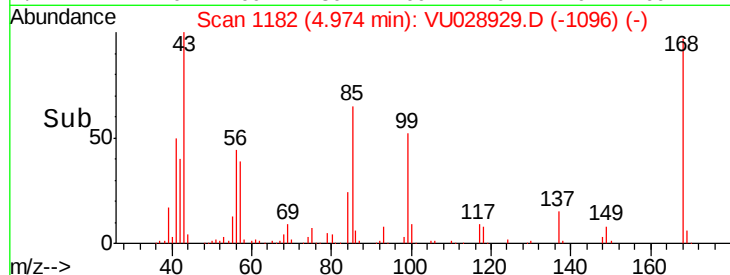
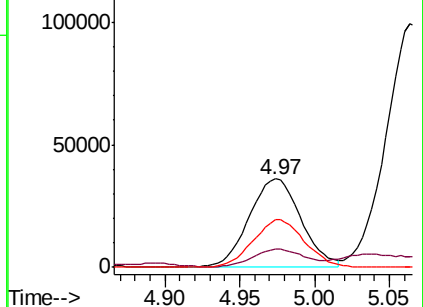
#31
Cyclohexane
Concen: 17.125 ug/l
RT: 4.97 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

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MSVOA_U
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Tgt Ion: 56 Resp: 86500
Ion Ratio Lower Upper
56 100
69 19.5 24.0 36.0#
84 53.6 59.7 89.5#

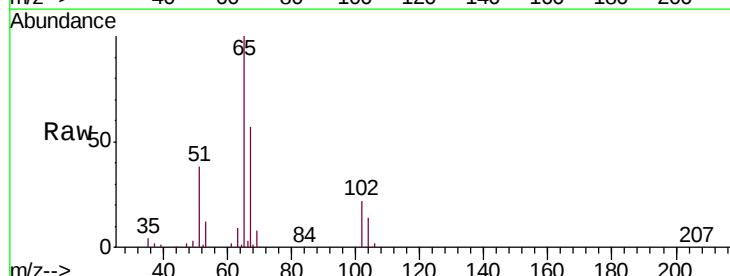


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

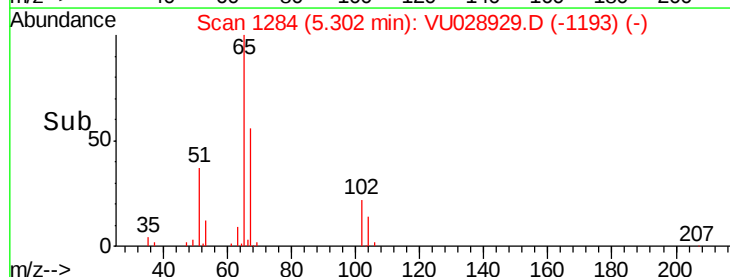
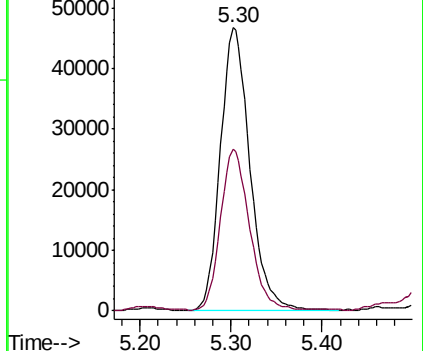


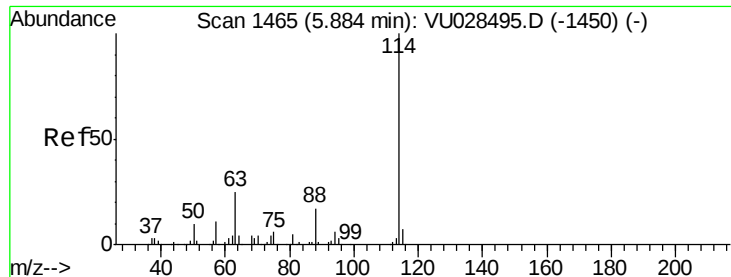
#33
1,2-Dichloroethane-d4
Concen: 37.522 ug/l
RT: 5.30 min Scan# 1284
Delta R.T. -0.01 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 65 Resp: 105684
Ion Ratio Lower Upper
65 100
67 55.0 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

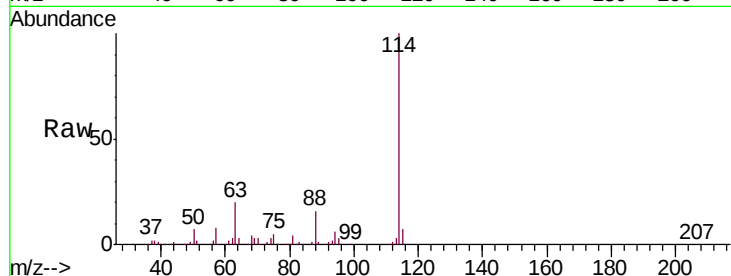




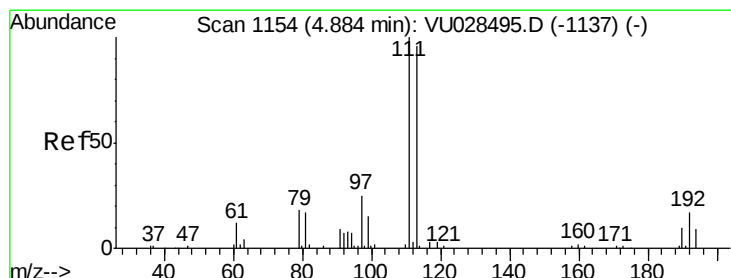
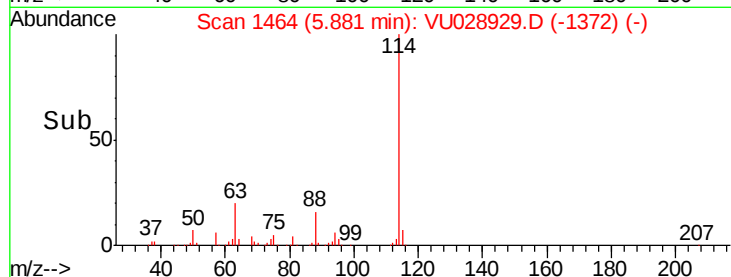
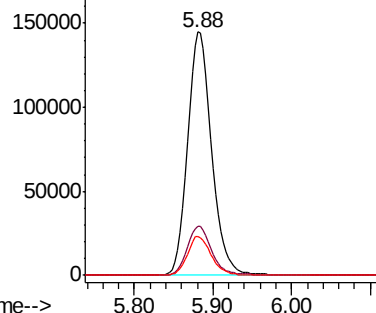
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Instrument :
 MSVOA_U
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 KY001SB103-121118-(20-22)ME

Tgt Ion:114 Resp: 303731
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 49.2
 88 16.2 0.0 33.4

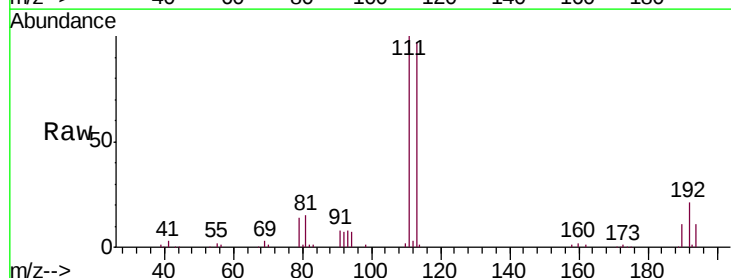


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

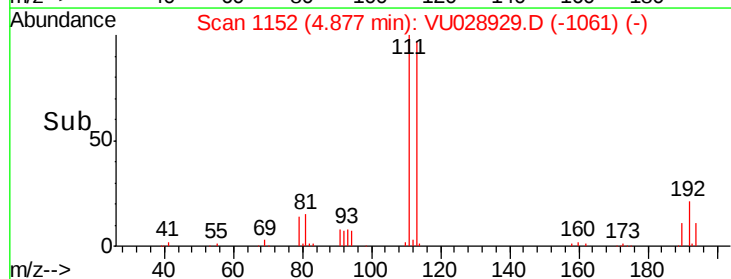
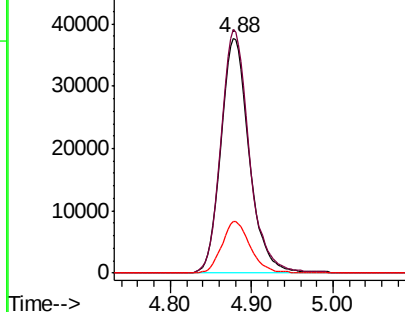


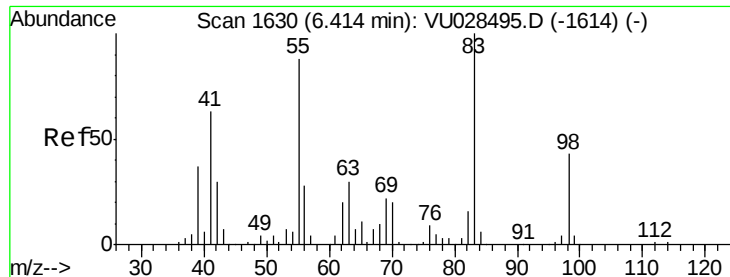
#35
 Dibromofluoromethane
 Concen: 48.491 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Tgt Ion:113 Resp: 92685
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.0
 192 21.7 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

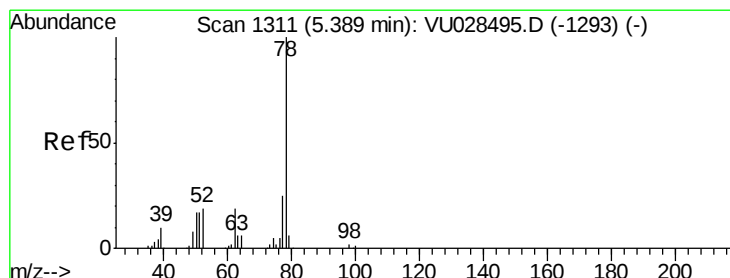
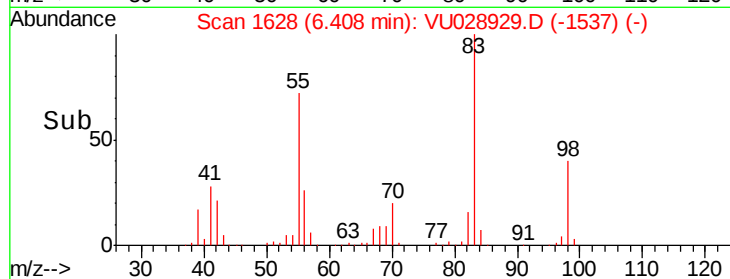
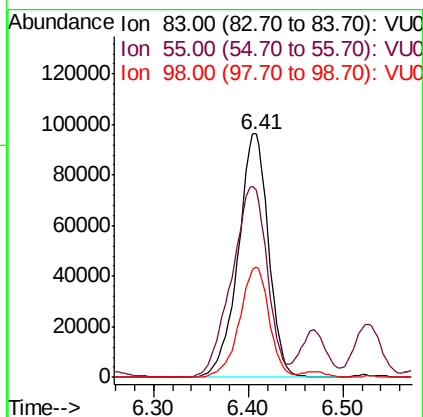
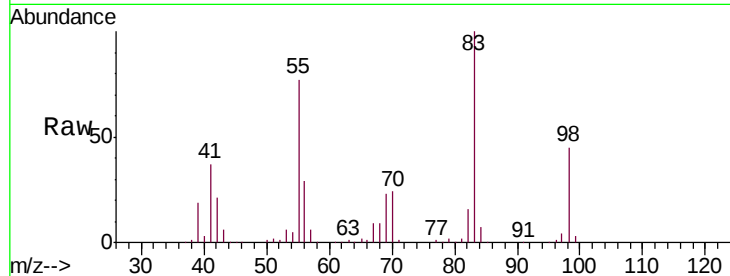




#39
Methylcyclohexane
Concen: 52.952 ug/l
RT: 6.41 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

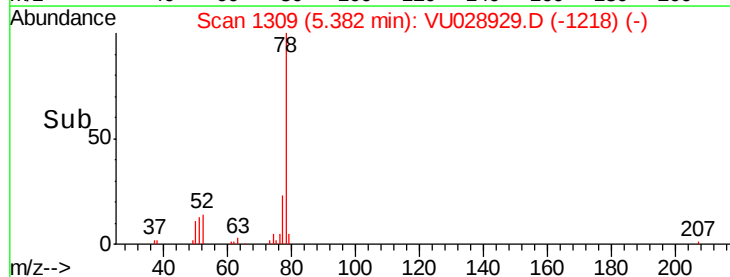
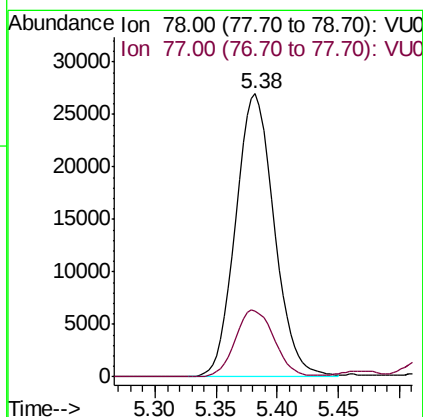
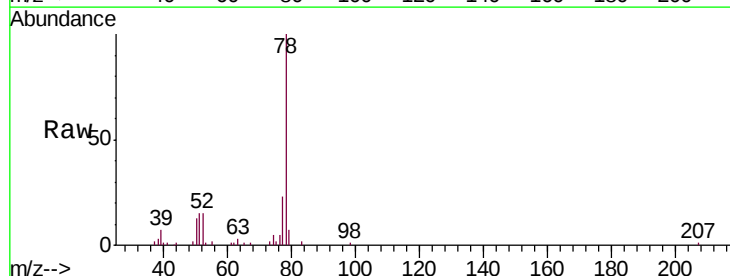
Instrument :
MSVOA_U
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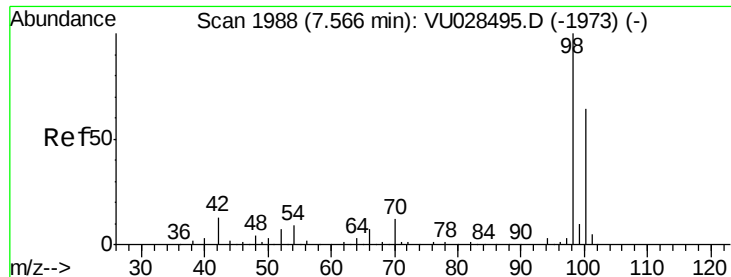
Tgt Ion: 83 Resp: 214712
Ion Ratio Lower Upper
83 100
55 76.7 70.2 105.2
98 45.4 34.2 51.4



#40
Benzene
Concen: 6.050 ug/l
RT: 5.38 min Scan# 1309
Delta R.T. -0.01 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 78 Resp: 59225
Ion Ratio Lower Upper
78 100
77 23.4 19.9 29.9





#50

Toluene-d8

Concen: 52.202 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

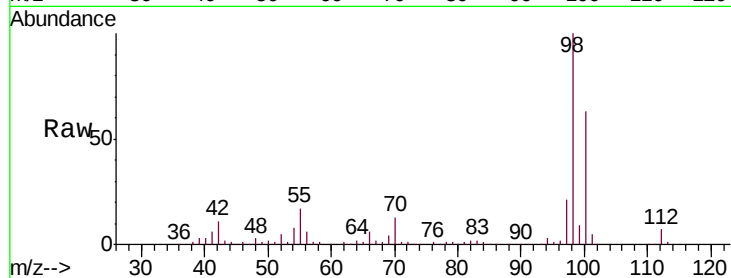
KY001SB103-121118-(20-22)ME

Tgt Ion: 98 Resp: 394711

Ion Ratio Lower Upper

98 100

100 60.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.56

200000

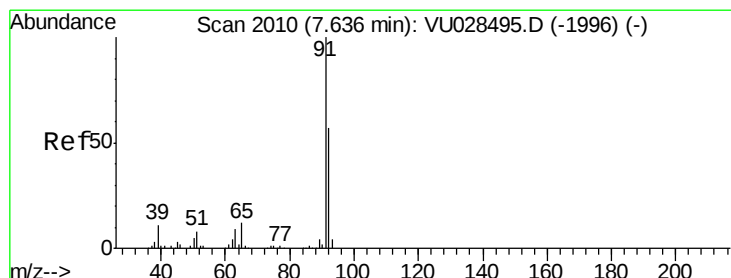
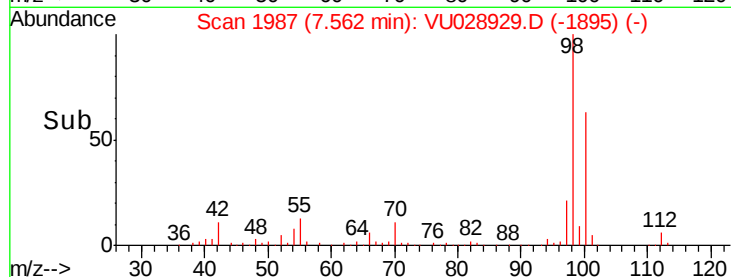
150000

100000

50000

0

Time--> 7.40 7.50 7.60 7.70



#52

Toluene

Concen: 2.698 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028929.D

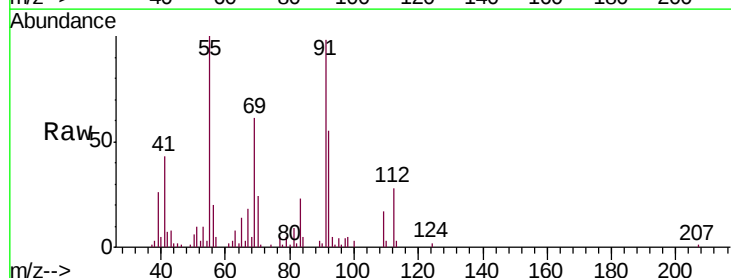
Acq: 22 Dec 2018 21:03

Tgt Ion: 92 Resp: 15545

Ion Ratio Lower Upper

92 100

91 167.2 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

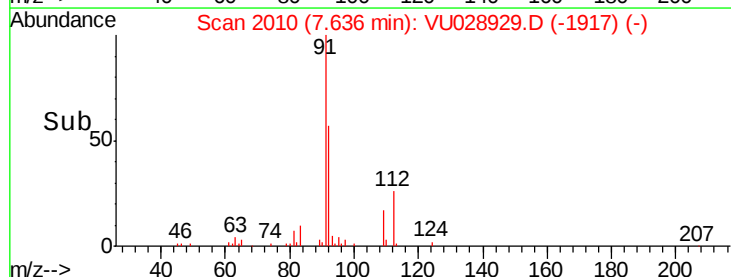
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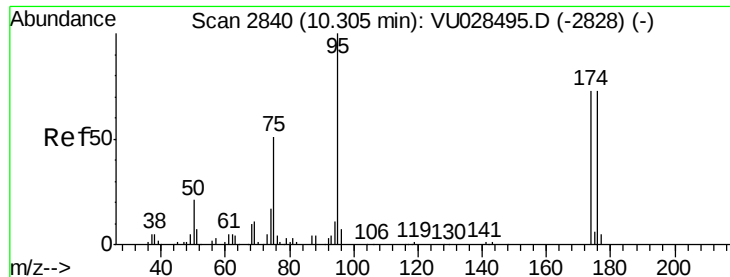
10000

5000

0

Time--> 7.55 7.60 7.65 7.70

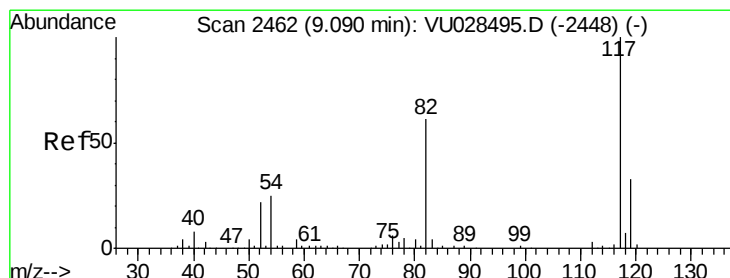
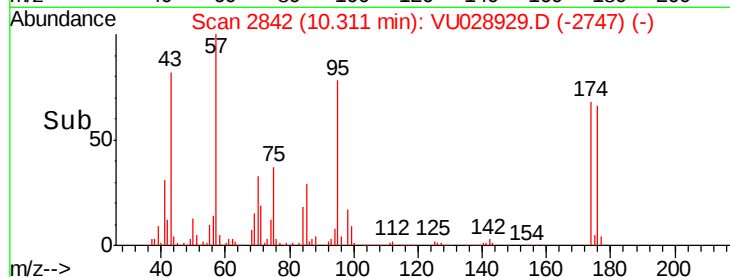
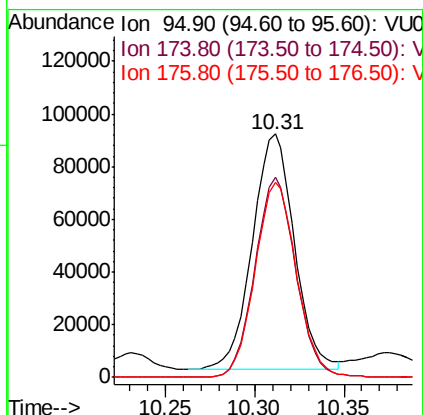
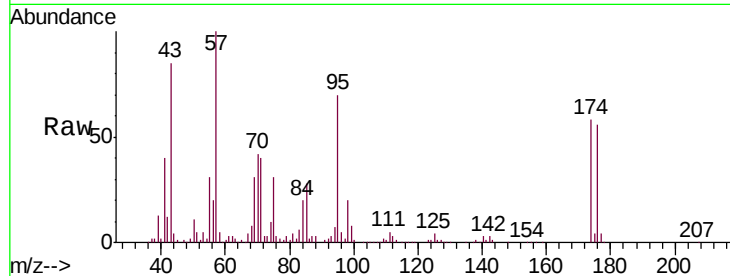




#62
4-Bromofluorobenzene
Concen: 52.261 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.01 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

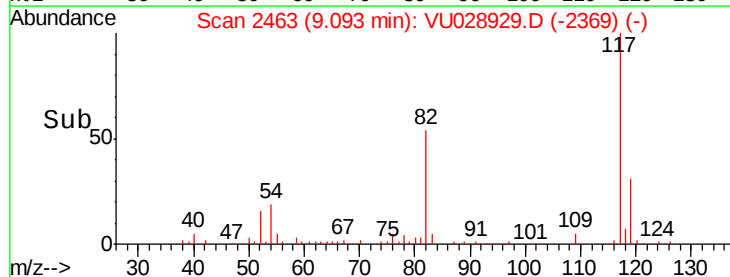
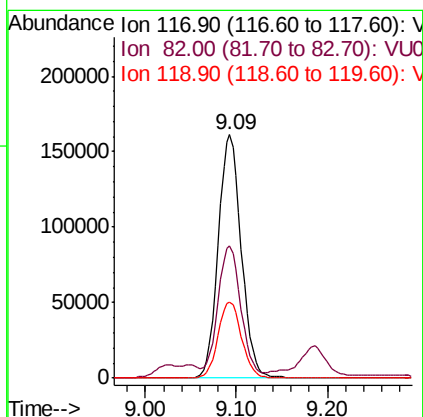
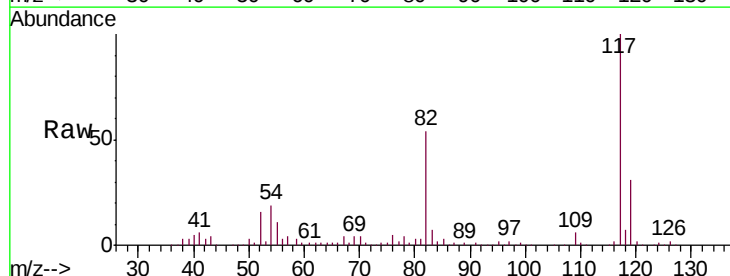
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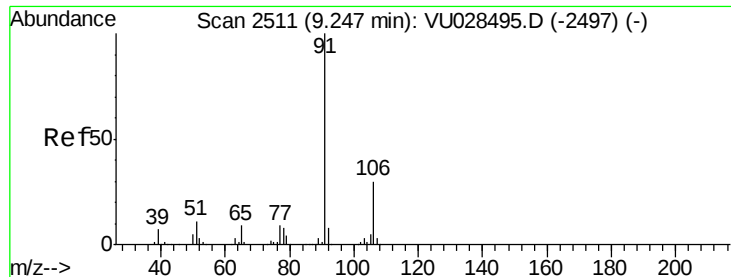
Tgt Ion: 95 Resp: 147694
Ion Ratio Lower Upper
95 100
174 82.5 0.0 150.4
176 81.5 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 117 Resp: 283889
Ion Ratio Lower Upper
117 100
82 52.1 48.9 73.3
119 31.3 26.2 39.4

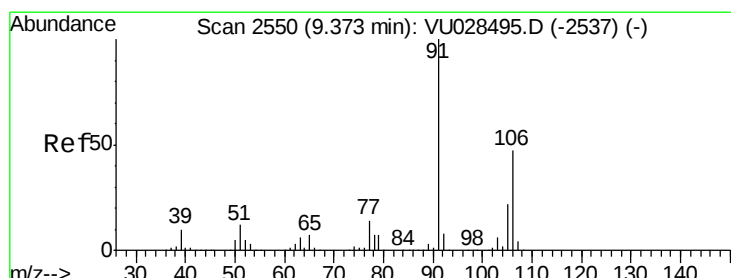
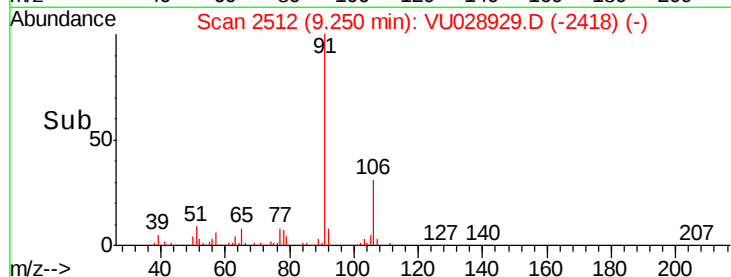
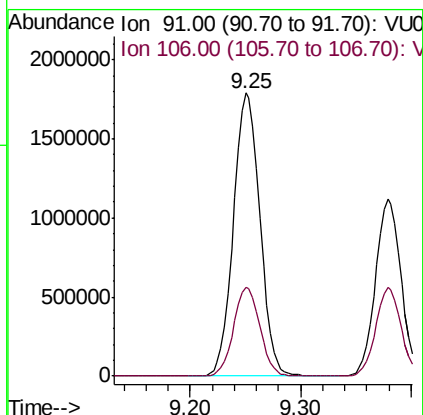
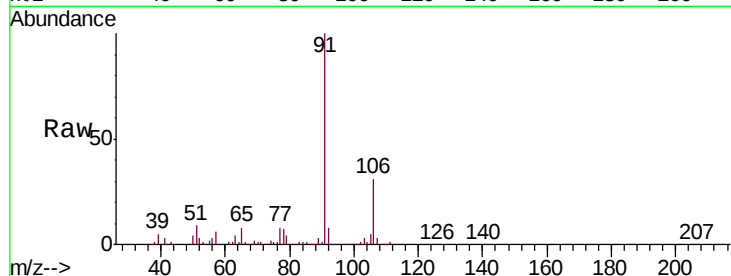




#67
Ethyl Benzene
Concen: 267.401 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

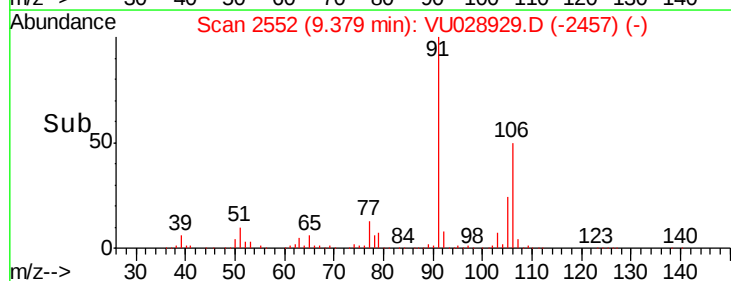
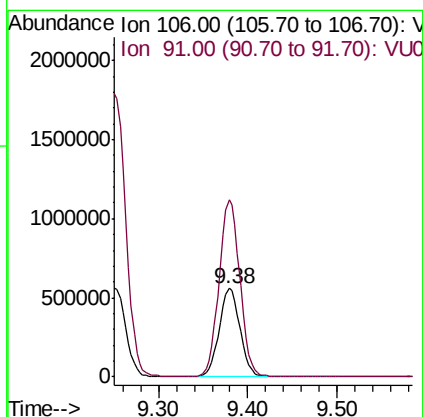
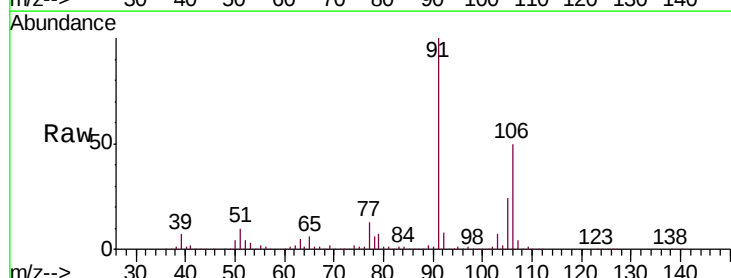
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KY001SB103-121118-(20-22)ME

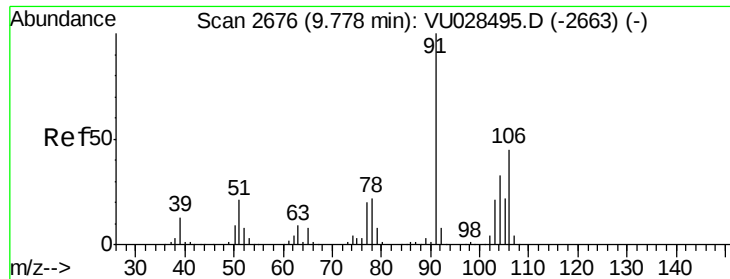
Tgt Ion: 91 Resp: 2973695
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1



#68
m/p-Xylenes
Concen: 221.954 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.01 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 106 Resp: 898145
Ion Ratio Lower Upper
106 100
91 201.6 167.4 251.0

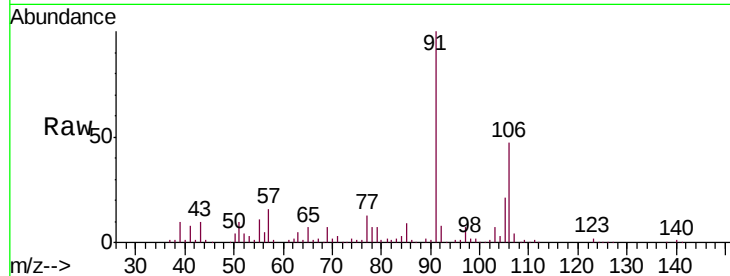




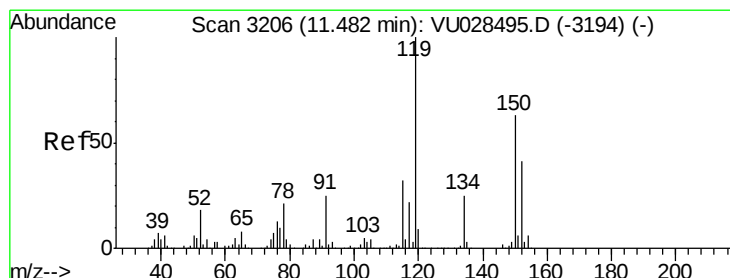
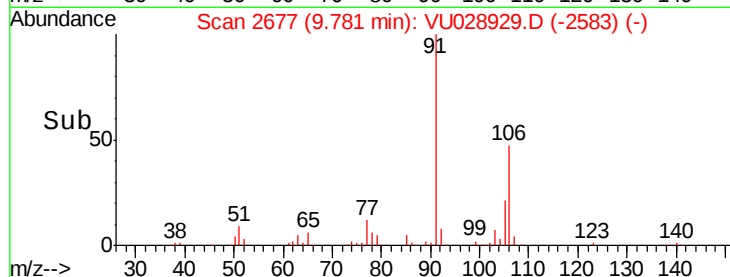
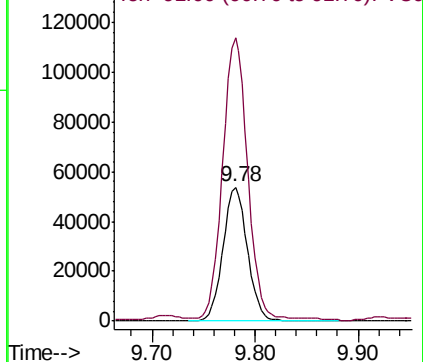
#69
o-Xylene
Concen: 22.611 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:106 Resp: 88918
Ion Ratio Lower Upper
106 100
91 211.2 111.3 334.0

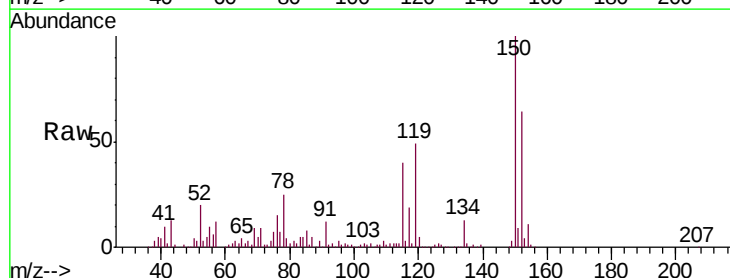


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

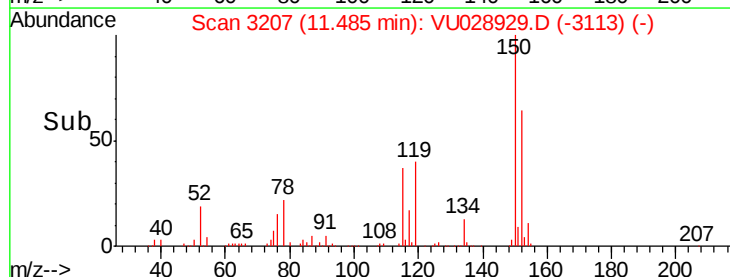
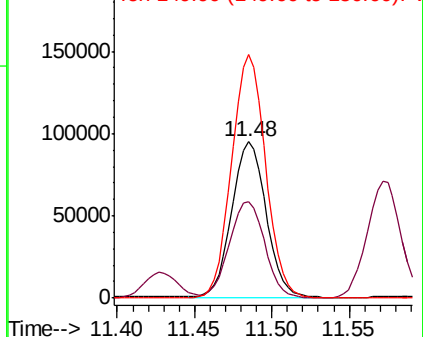


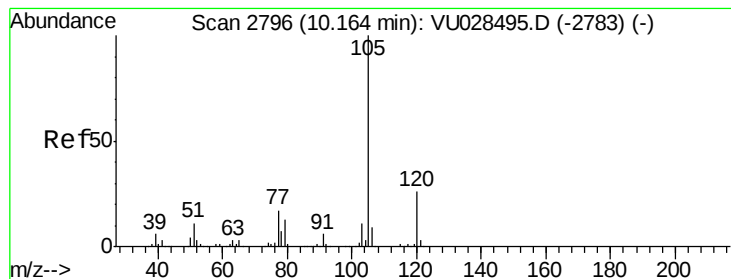
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion:152 Resp: 145568
Ion Ratio Lower Upper
152 100
115 63.7 42.7 128.1
150 155.2 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 83.864 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028929.D

Acq: 22 Dec 2018 21:03

Instrument :

MSVOA_U

ClientSampleId :

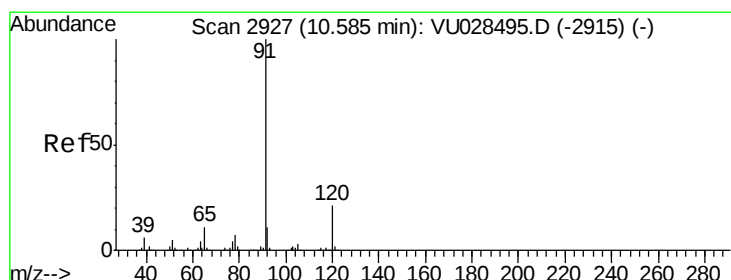
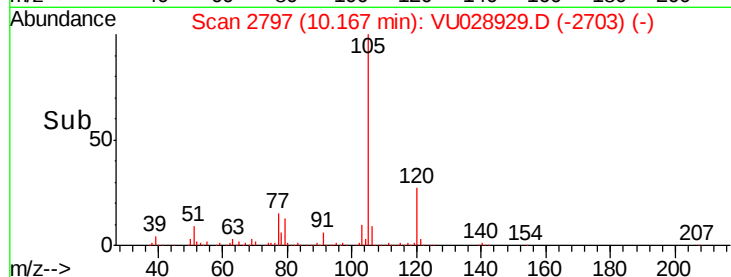
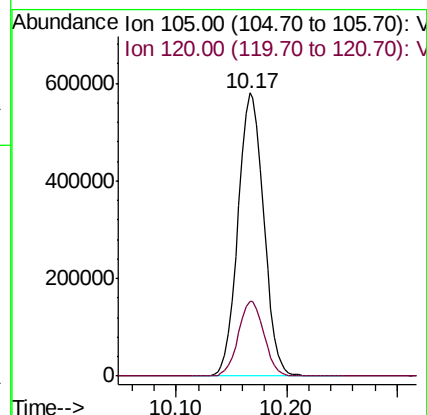
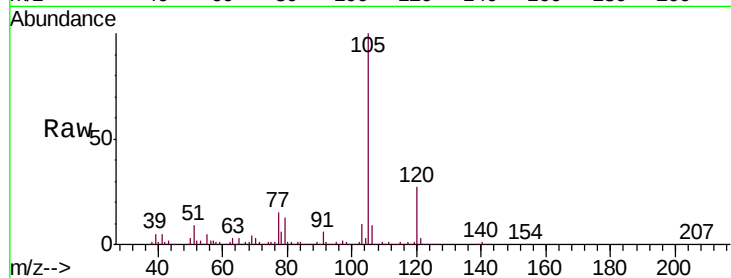
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Tgt Ion: 105 Resp: 936755

Ion Ratio Lower Upper

105 100

120 26.4 12.9 38.6



#78

n-propylbenzene

Concen: 222.837 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028929.D

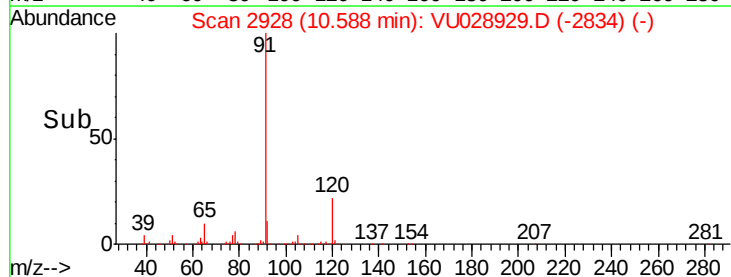
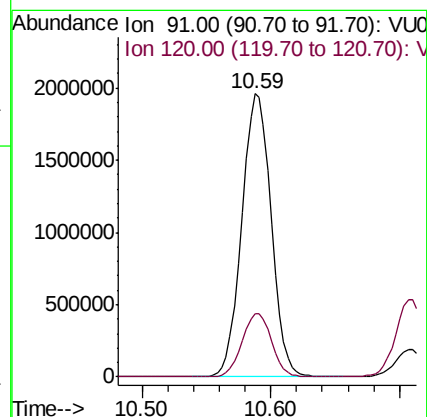
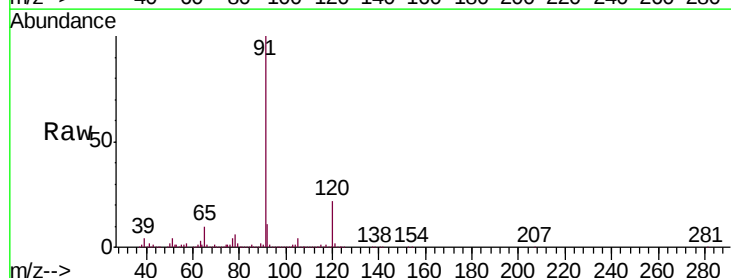
Acq: 22 Dec 2018 21:03

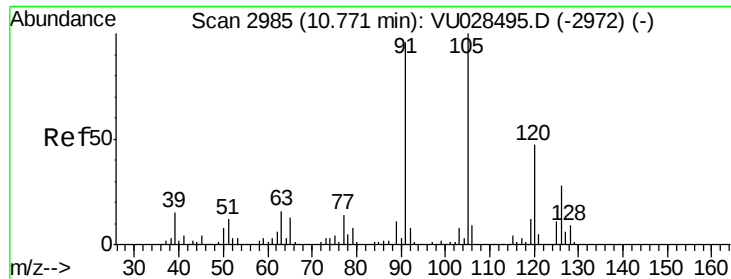
Tgt Ion: 91 Resp: 3092907

Ion Ratio Lower Upper

91 100

120 22.6 10.6 31.8

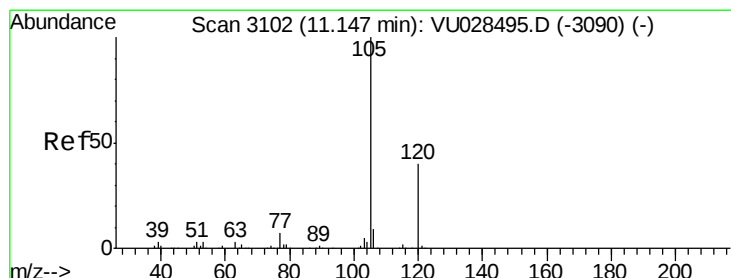
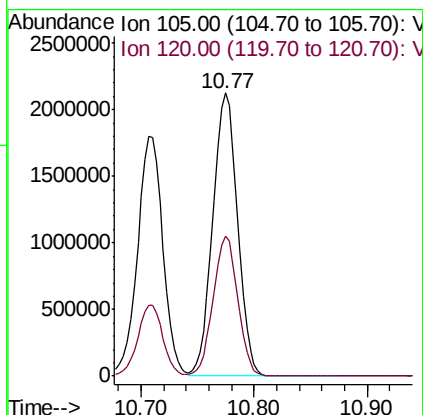
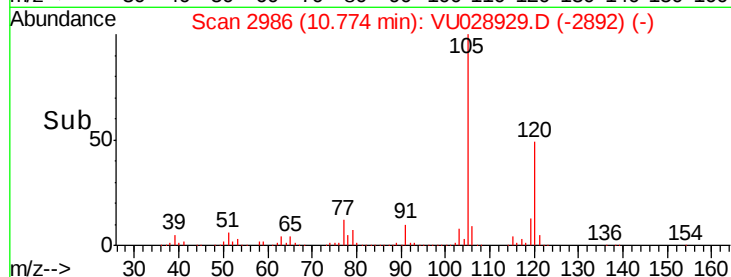
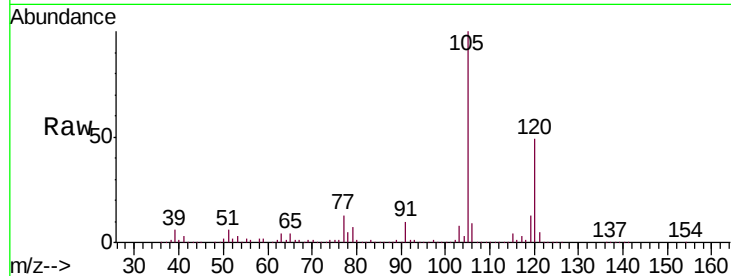




#80
 1,3,5-Trimethylbenzene
 Concen: 349.384 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

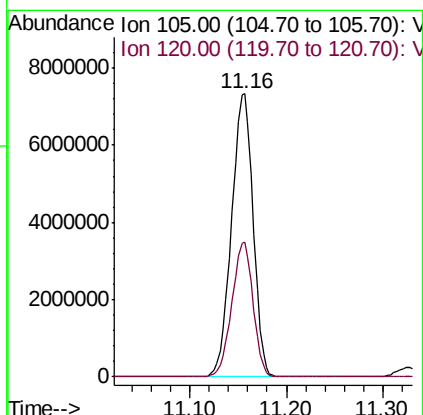
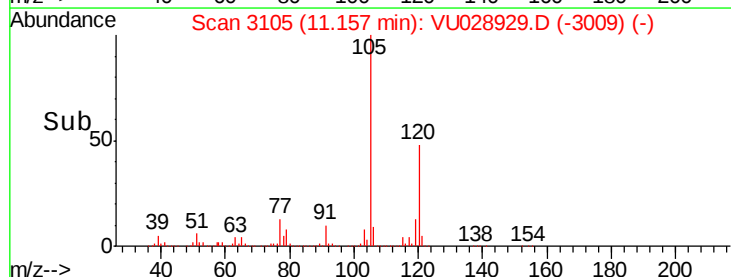
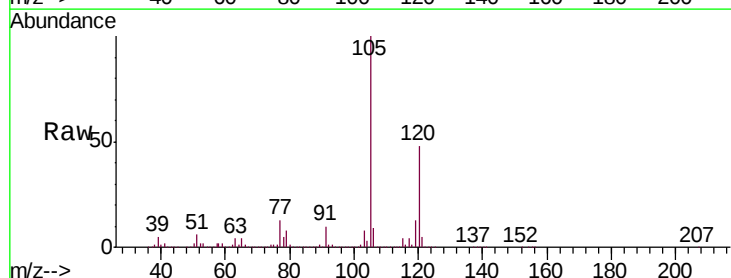
Instrument :
 MSVOA_U
 ClientSampleId :
 KY001SB103-121118-(20-22)ME

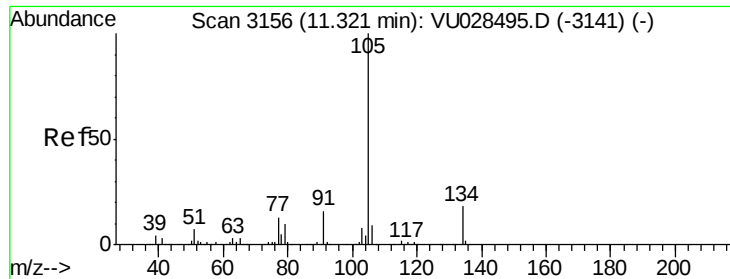
Tgt Ion:105 Resp: 3230454
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 1187.632 ug/l
 RT: 11.16 min Scan# 3105
 Delta R.T. 0.01 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Tgt Ion:105 Resp:11316859
 Ion Ratio Lower Upper
 105 100
 120 46.9 21.8 65.4

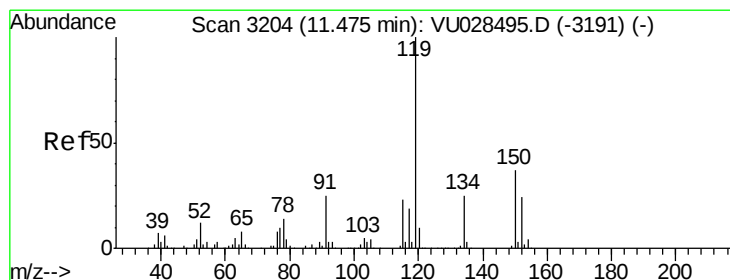
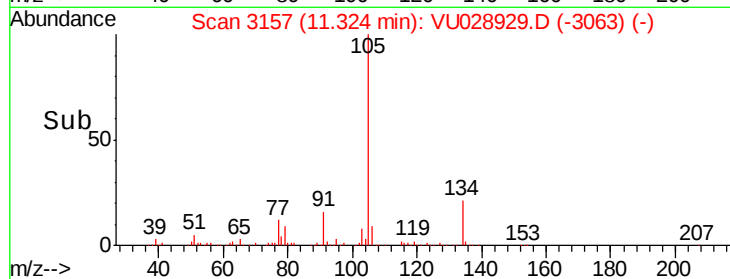
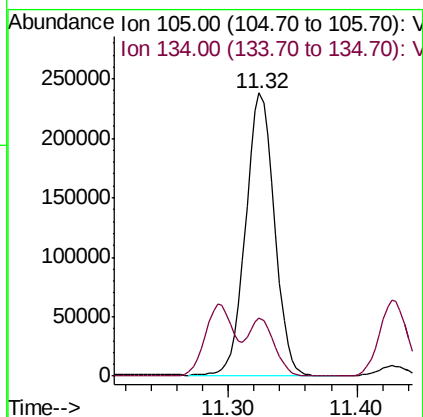
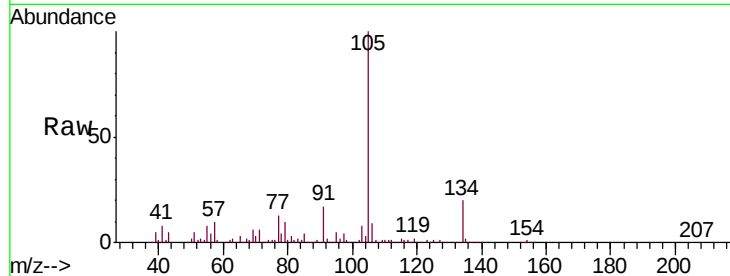




#85
 sec-Butylbenzene
 Concen: 32.221 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

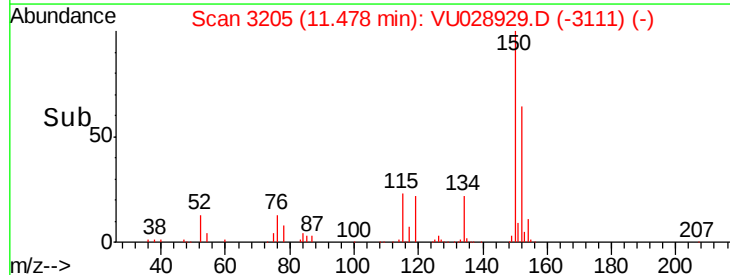
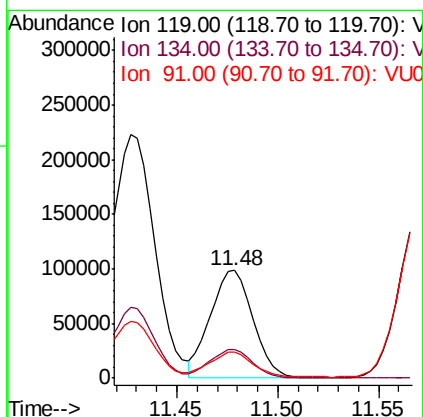
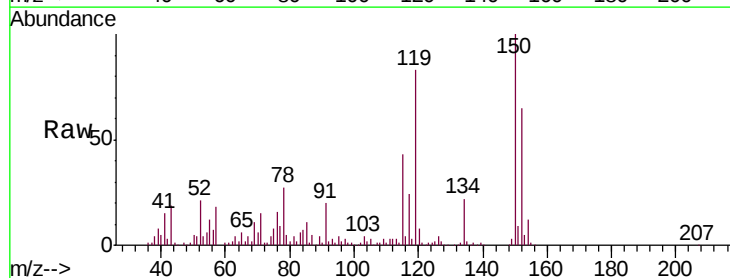
Instrument :
 MSVOA_U
 ClientSampleId :
 KY001SB103-121118-(20-22)ME

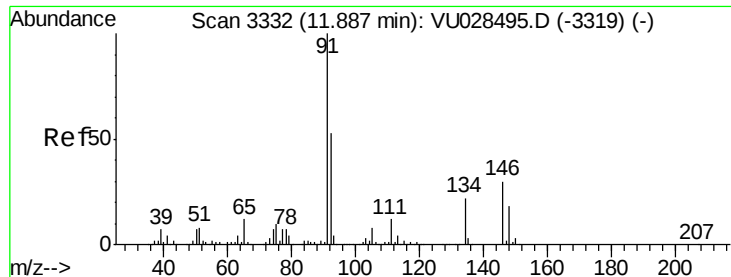
Tgt Ion:105 Resp: 368896
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 14.864 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU028929.D
 Acq: 22 Dec 2018 21:03

Tgt Ion:119 Resp: 144558
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.7 38.1
 91 24.3 12.6 37.6

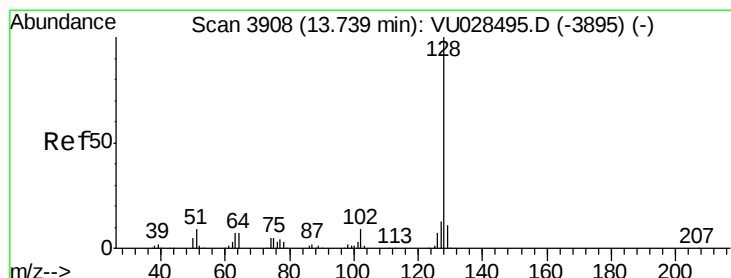
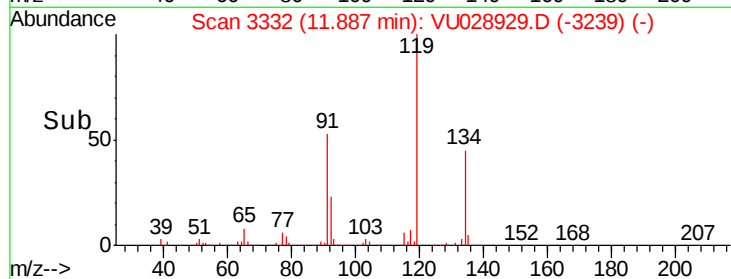
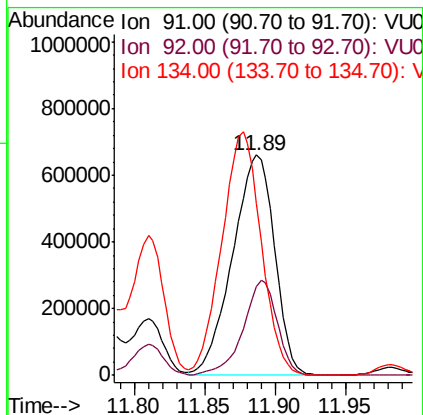
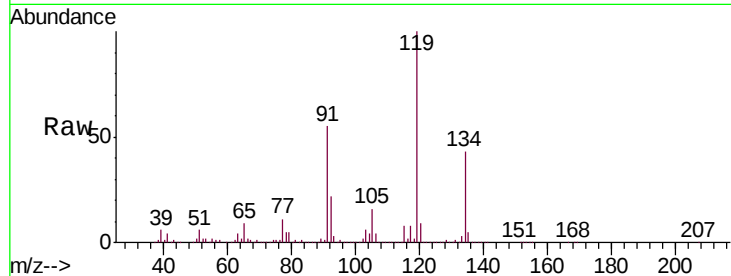




#89
n-Butylbenzene
Concen: 139.300 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Instrument :
MSVOA_U
ClientSampleId :
KY001SB103-121118-(20-22)ME

Tgt Ion: 91 Resp: 1371088
Ion Ratio Lower Upper
91 100
92 35.0 26.3 78.9
134 103.6 11.3 33.8#



#95
Naphthalene
Concen: 194.547 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028929.D
Acq: 22 Dec 2018 21:03

Tgt Ion: 128 Resp: 2303473
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.6 13.0

