

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
 Data File : VU025925.D
 Acq On : 07 Aug 2018 07:22
 Operator : MD/SY
 Sample : J4344-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0537

Quant Time: Aug 07 08:54:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

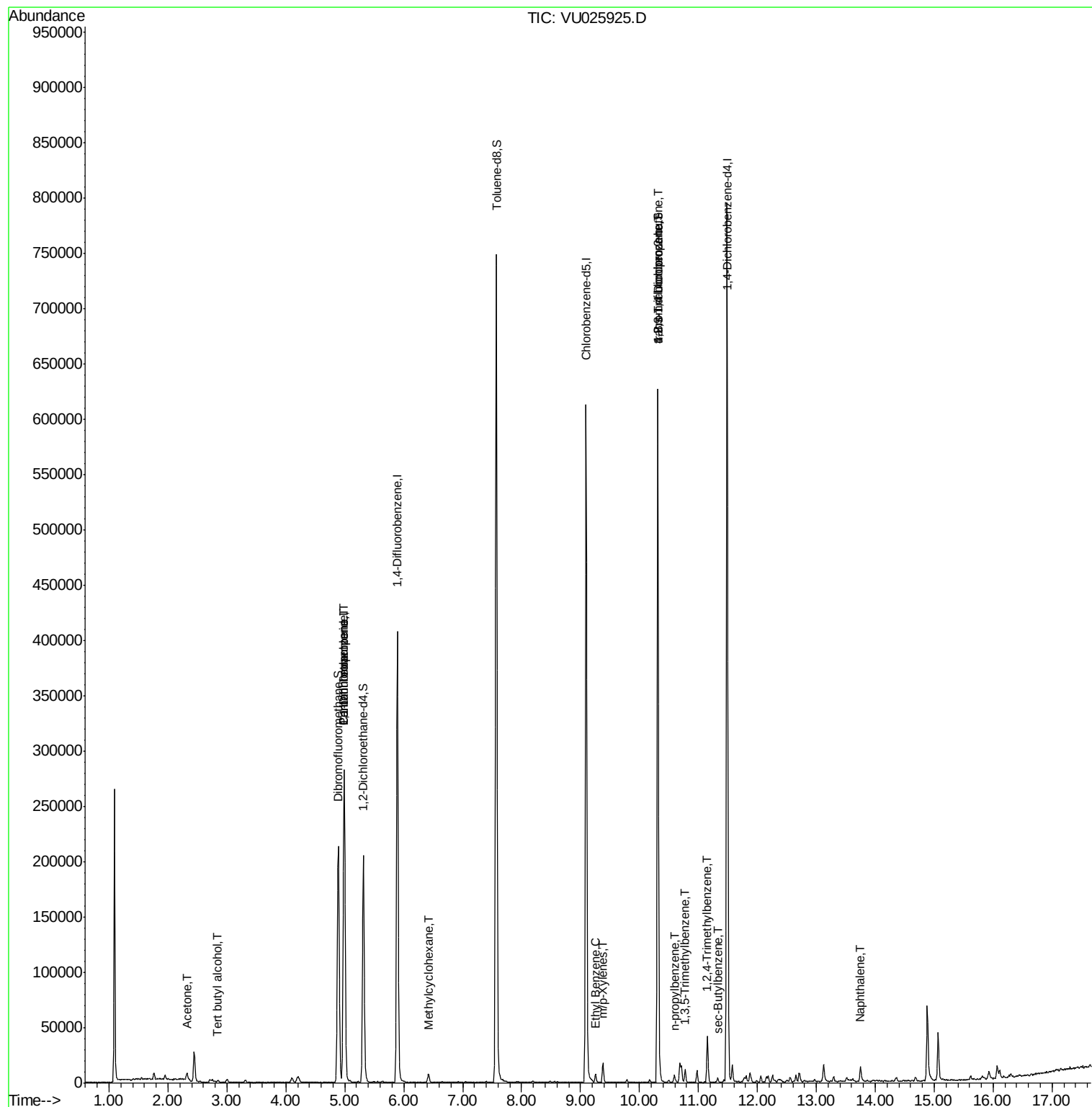
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	226611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	358430	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	352567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	217478	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	167819	47.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.06%	
35) Dibromofluoromethane	4.89	113	146088	46.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.72%	
50) Toluene-d8	7.57	98	519458	47.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	10.31	95	205872	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	451	0.583	ug/l #	73
13) Acrolein	2.30	56	147	Below Cal		95
16) Acetone	2.32	43	6508	3.781	ug/l	100
36) 1,1-Dichloropropene	4.99	75	16074	3.837	ug/l #	49
38) Carbon Tetrachloride	4.99	117	20923	4.410	ug/l #	17
39) Methylcyclohexane	6.42	83	3498	0.729	ug/l	96
67) Ethyl Benzene	9.25	91	6345	0.421	ug/l	98
68) m/p-Xylenes	9.38	106	5114	0.885	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	100852	21.047	ug/l #	36
78) n-propylbenzene	10.59	91	5675	0.328	ug/l	96
80) 1,3,5-Trimethylbenzene	10.78	105	7456	0.591	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.31	75	100852	52.775	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	23729	1.858	ug/l	95
85) sec-Butylbenzene	11.33	105	3061	0.200	ug/l	99
95) Naphthalene	13.75	128	13467	2.064	ug/l	96

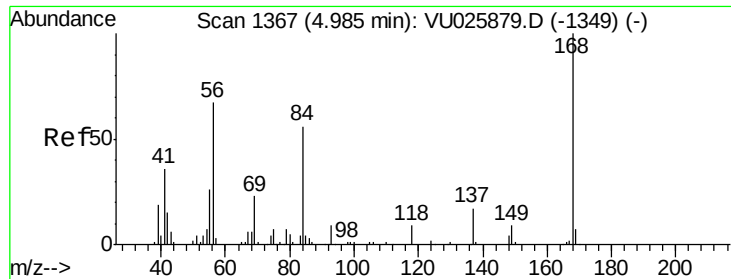
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025925.D

Acq: 07 Aug 2018 07:22

Instrument :

MSVOA_U

ClientSampleId :

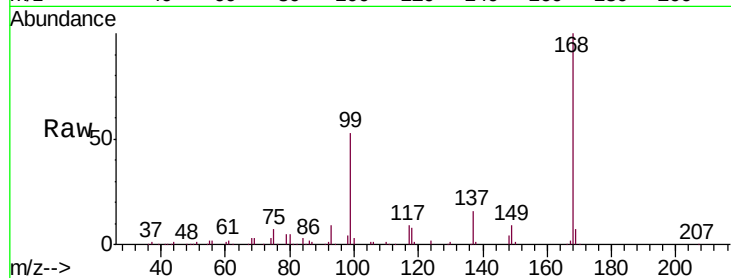
FL-0537

Tgt Ion:168 Resp: 226611

Ion Ratio Lower Upper

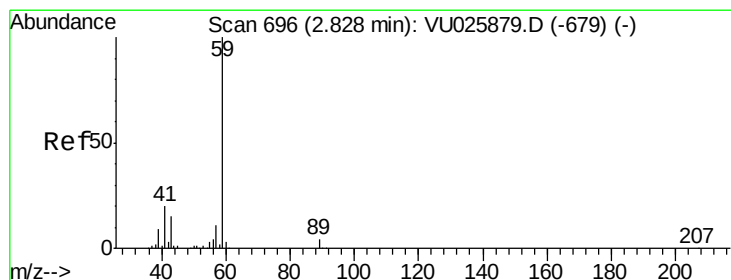
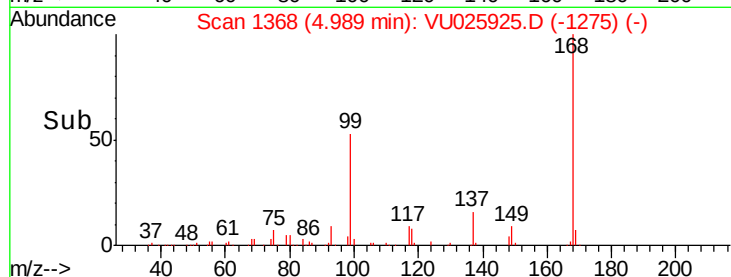
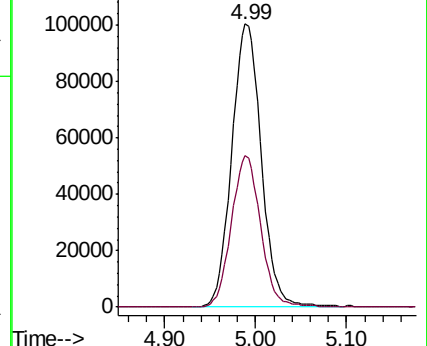
168 100

99 53.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)



#11

Tert butyl alcohol

Concen: 0.583 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.00 min

Lab File: VU025925.D

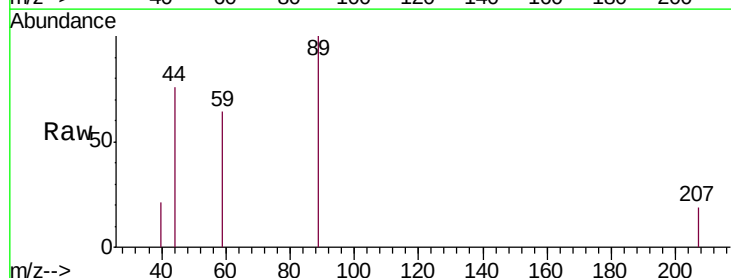
Acq: 07 Aug 2018 07:22

Tgt Ion: 59 Resp: 451

Ion Ratio Lower Upper

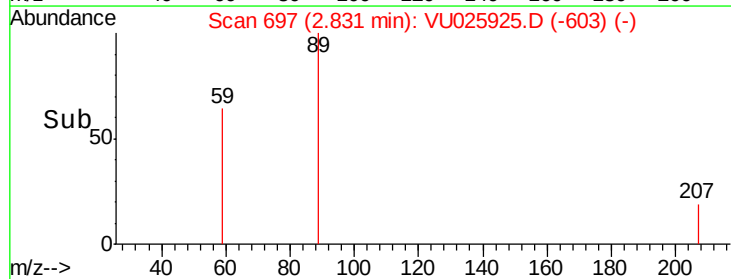
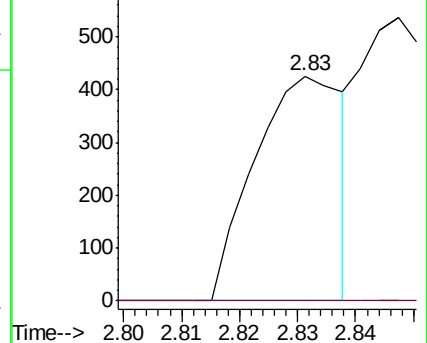
59 100

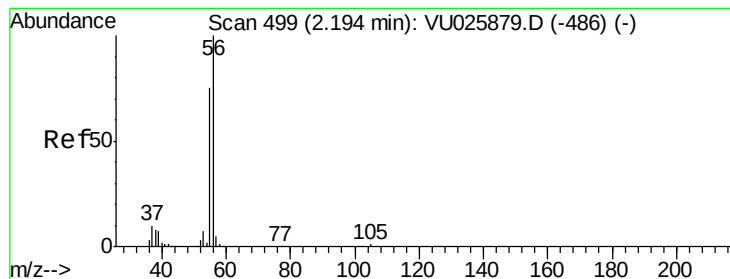
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025879.D (-679) (-)

Ion 57.00 (56.70 to 57.70): VU025879.D (-679) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 533

Delta R.T. 0.11 min

Lab File: VU025925.D

Acq: 07 Aug 2018 07:22

Instrument :

MSVOA_U

ClientSampleId :

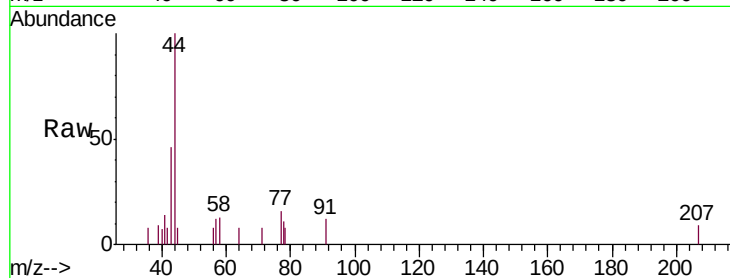
FL-0537

Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

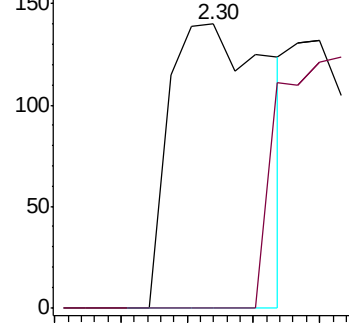
56 100

55 75.5 57.2 85.8

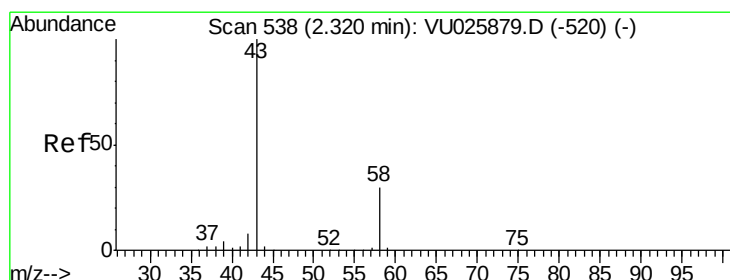
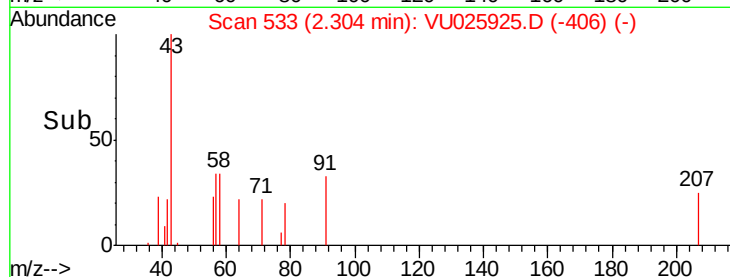


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#16

Acetone

Concen: 3.781 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025925.D

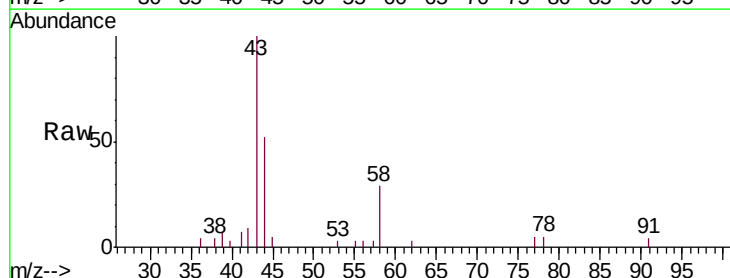
Acq: 07 Aug 2018 07:22

Tgt Ion: 43 Resp: 6508

Ion Ratio Lower Upper

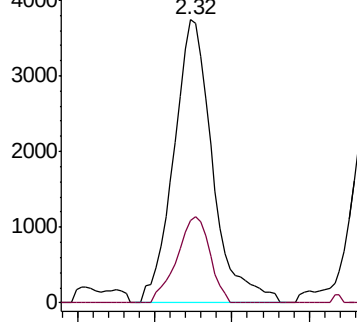
43 100

58 29.1 23.1 34.7

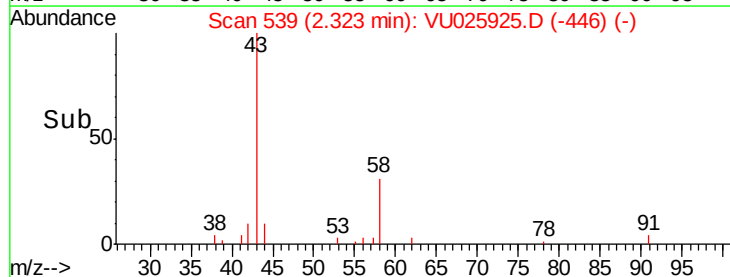


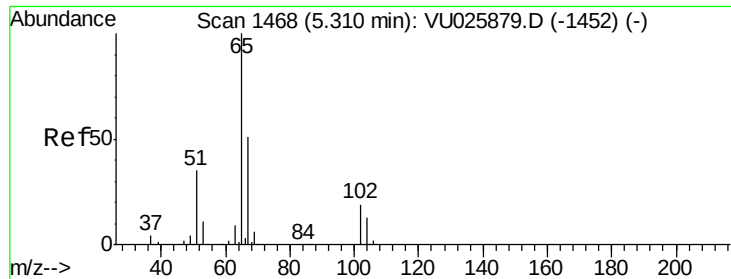
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->

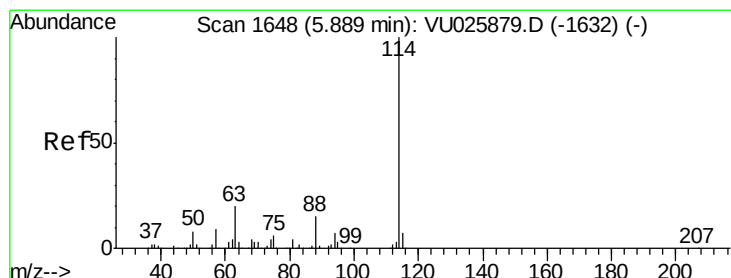
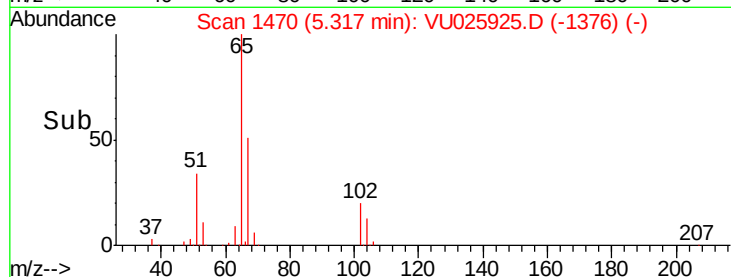
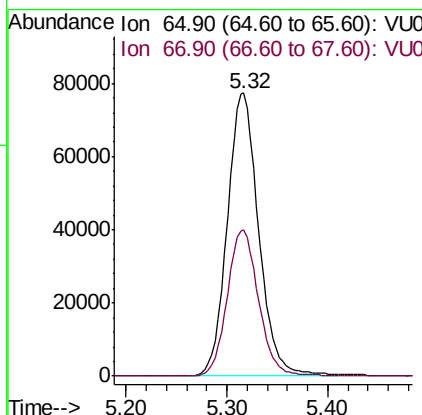
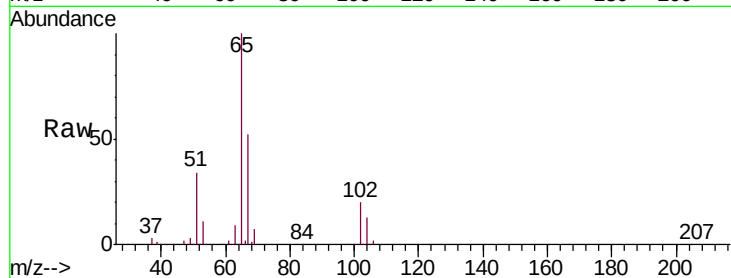




#33
 1,2-Dichloroethane-d4
 Concen: 47.529 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU025925.D
 Acq: 07 Aug 2018 07:22

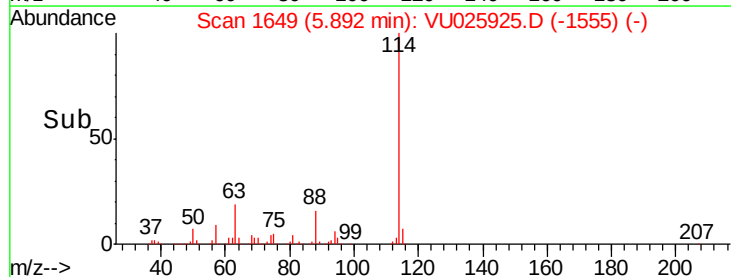
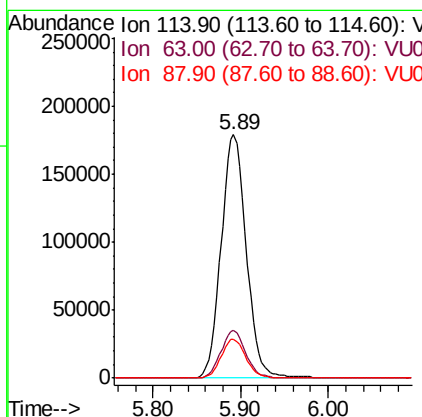
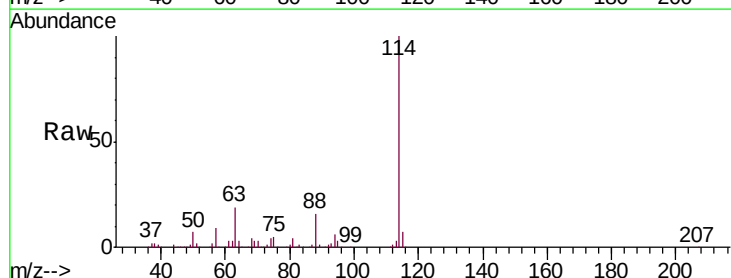
Instrument :
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 FL-0537

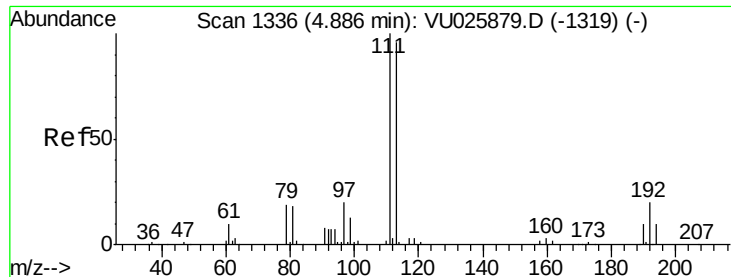
Tgt Ion: 65 Resp: 167819
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025925.D
 Acq: 07 Aug 2018 07:22

Tgt Ion: 114 Resp: 358430
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.6
 88 15.9 0.0 32.4

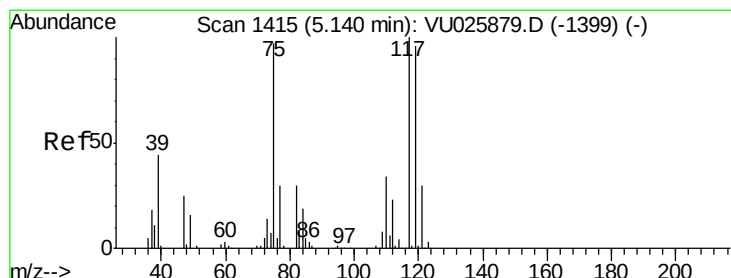
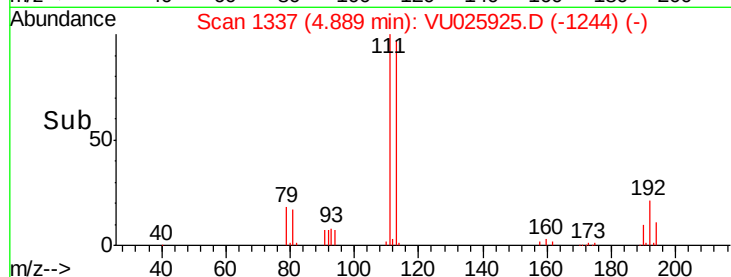
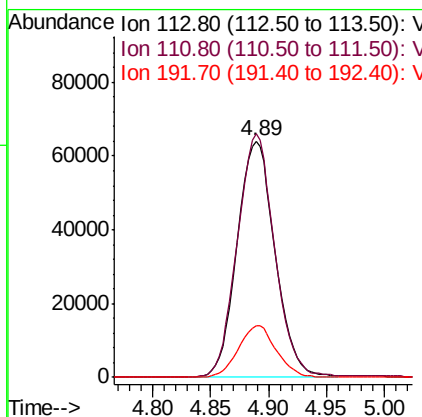
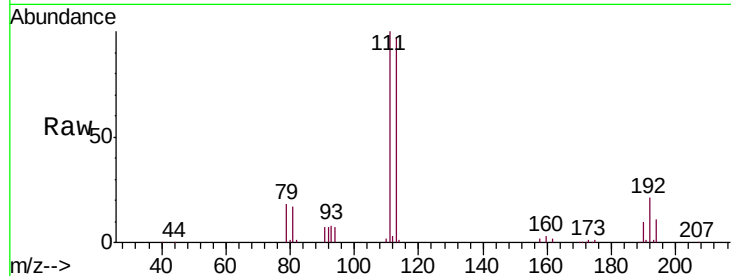




#35
 Dibromofluoromethane
 Concen: 46.861 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025925.D
 Acq: 07 Aug 2018 07:22

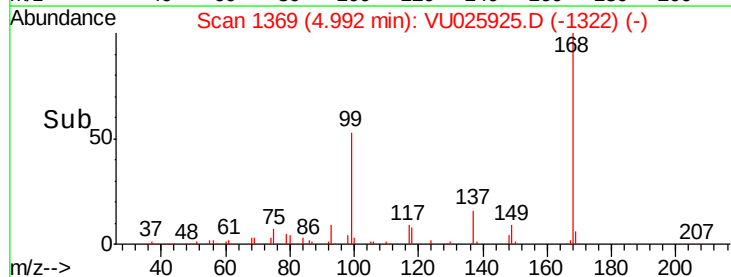
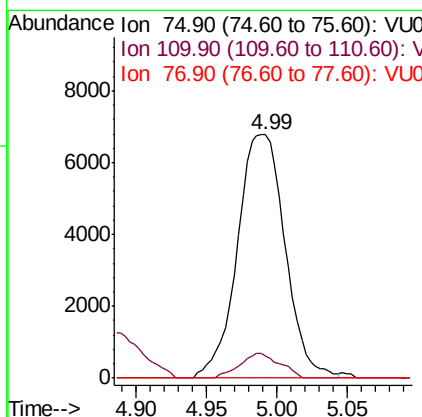
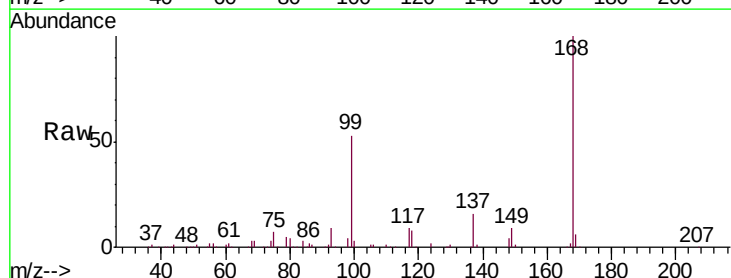
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0537

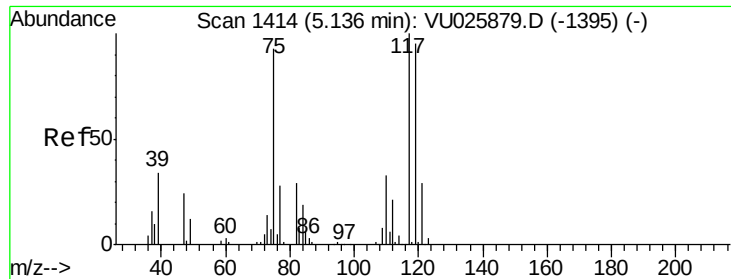
Tgt Ion:113 Resp: 146088
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.7 122.5
 192 21.8 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 3.837 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU025925.D
 Acq: 07 Aug 2018 07:22

Tgt Ion: 75 Resp: 16074
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.410 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025925.D

Acq: 07 Aug 2018 07:22

Instrument :

MSVOA_U

ClientSampleId :

FL-0537

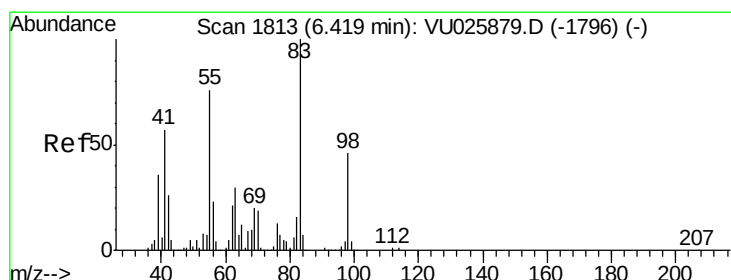
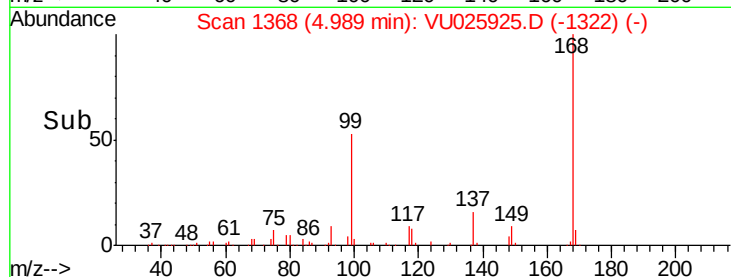
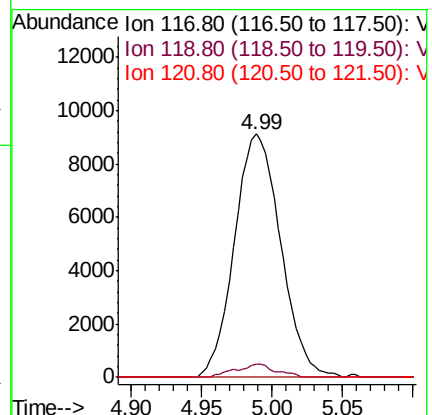
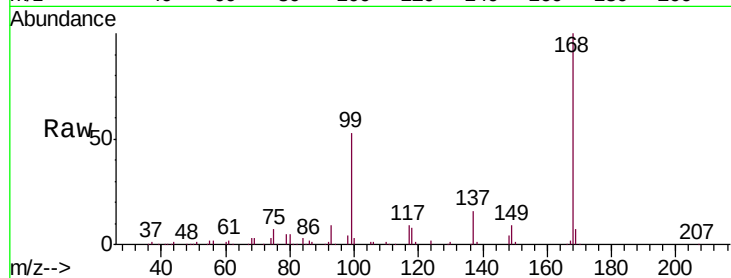
Tgt Ion:117 Resp: 20923

Ion Ratio Lower Upper

117 100

119 5.6 75.7 113.5#

121 0.0 24.6 36.8#



#39

Methylcyclohexane

Concen: 0.729 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025925.D

Acq: 07 Aug 2018 07:22

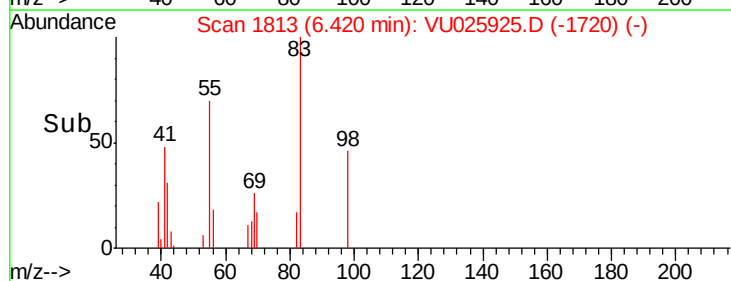
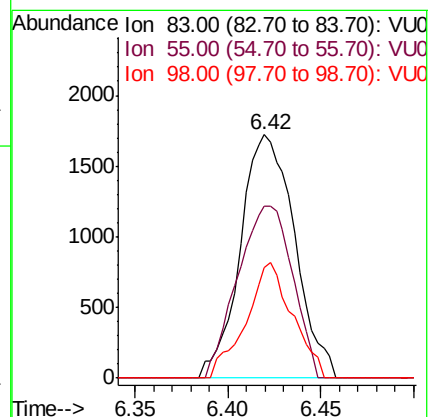
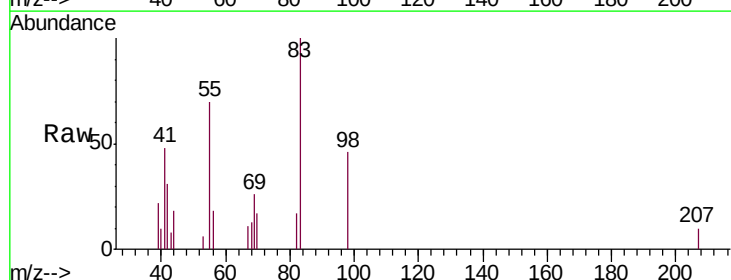
Tgt Ion: 83 Resp: 3498

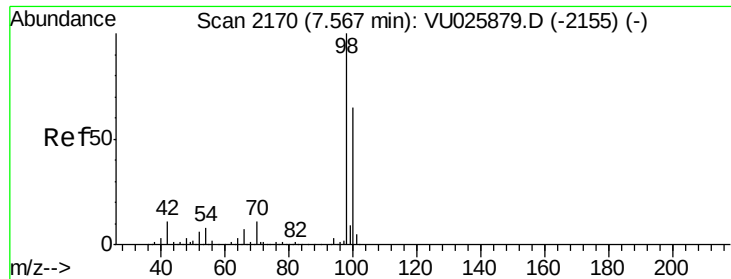
Ion Ratio Lower Upper

83 100

55 70.3 60.0 90.0

98 45.5 36.1 54.1

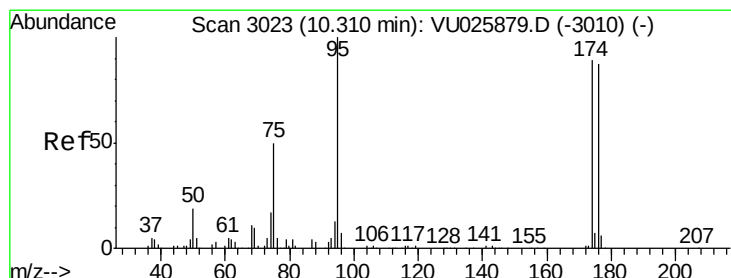
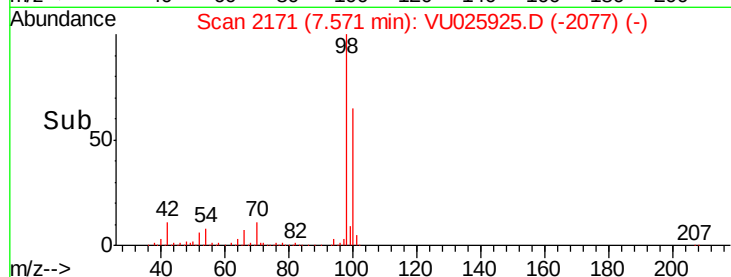
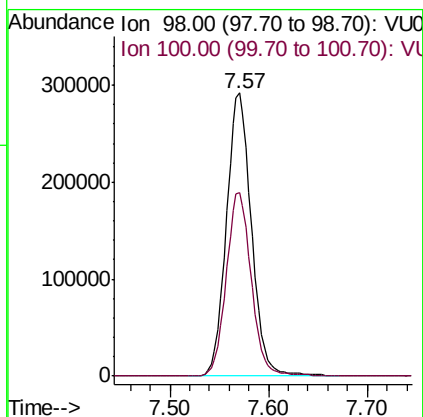
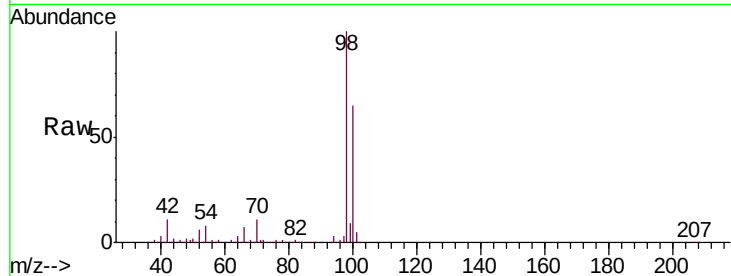




#50
Toluene-d8
Concen: 47.617 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025925.D
Acq: 07 Aug 2018 07:22

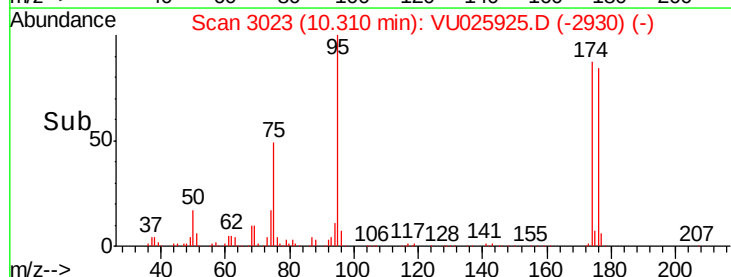
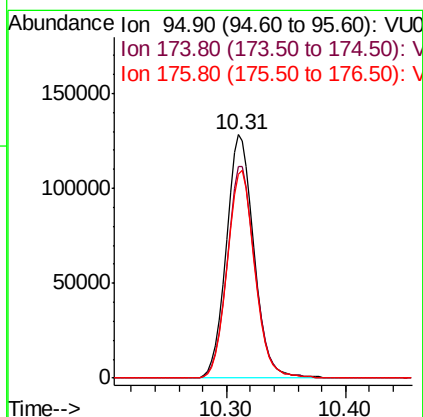
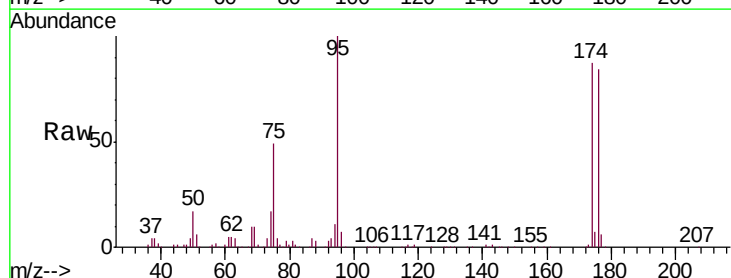
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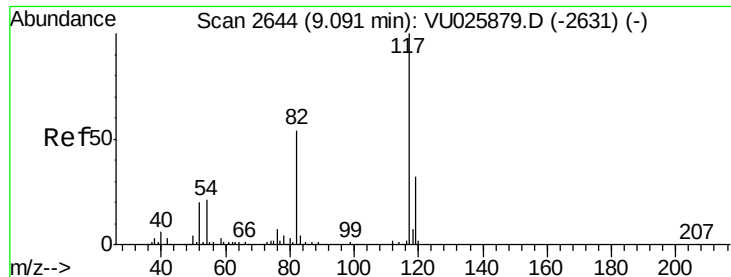
Tgt Ion: 98 Resp: 519458
Ion Ratio Lower Upper
98 100
100 64.8 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 48.621 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025925.D
Acq: 07 Aug 2018 07:22

Tgt Ion: 95 Resp: 205872
Ion Ratio Lower Upper
95 100
174 87.6 0.0 172.2
176 85.6 0.0 162.6

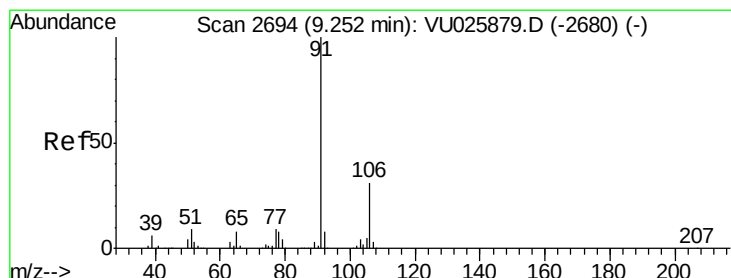
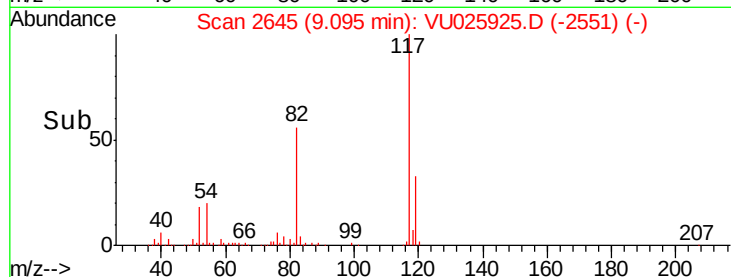
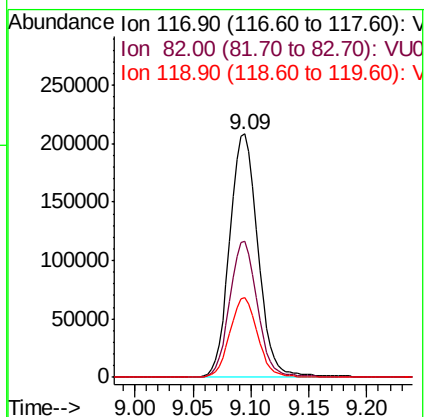
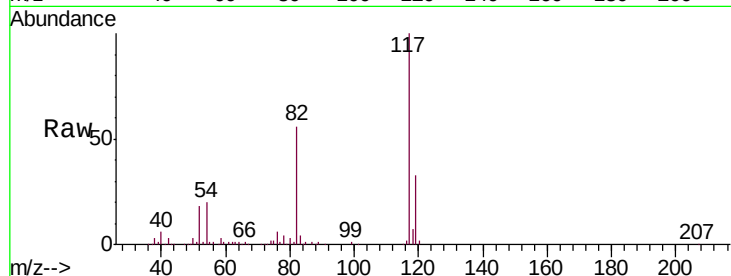




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025925.D
Acq: 07 Aug 2018 07:22

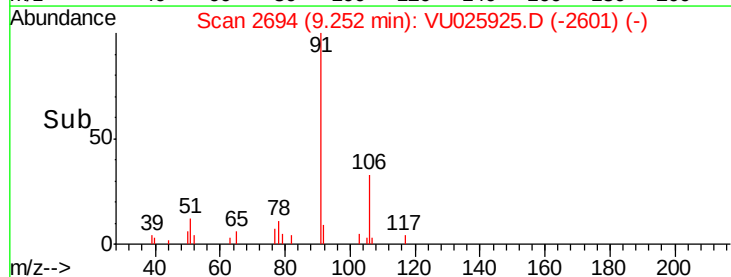
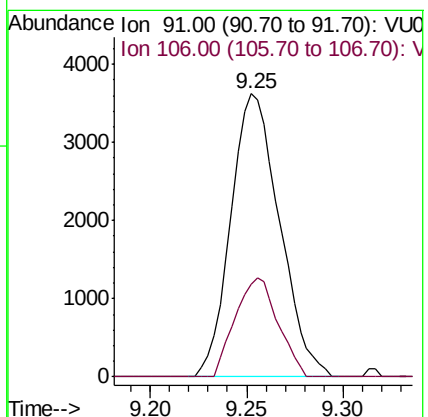
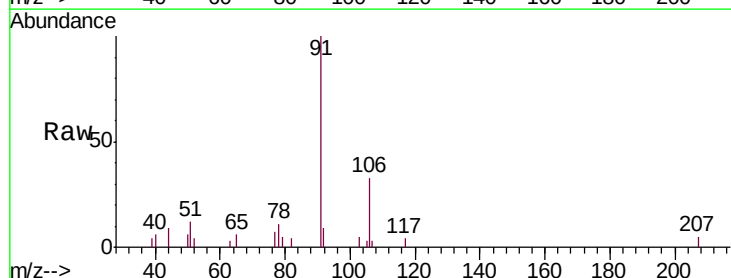
Instrument :
MSVOA_U
ClientSampleId :
FL-0537

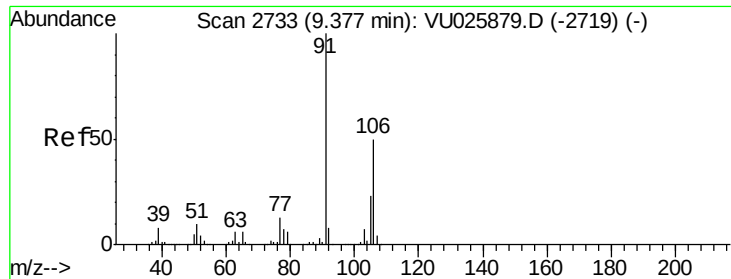
Tgt Ion:117 Resp: 352567
Ion Ratio Lower Upper
117 100
82 55.8 46.0 69.0
119 33.0 26.0 39.0



#67
Ethyl Benzene
Concen: 0.421 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025925.D
Acq: 07 Aug 2018 07:22

Tgt Ion: 91 Resp: 6345
Ion Ratio Lower Upper
91 100
106 32.8 25.3 37.9

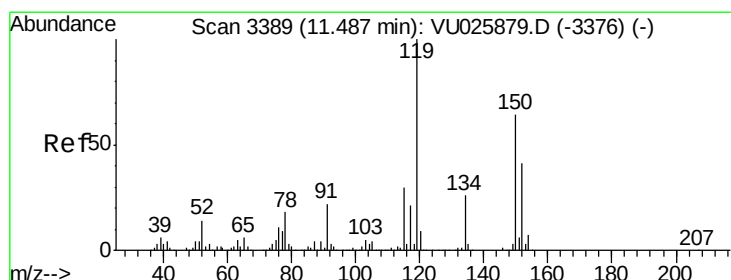
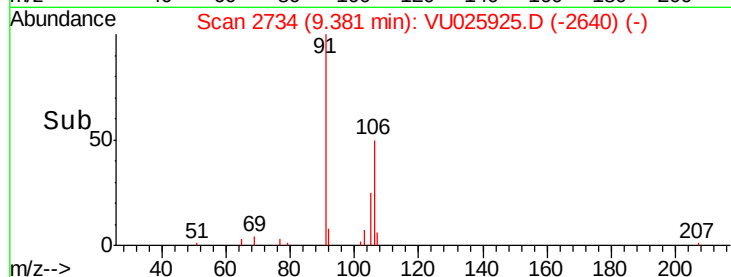
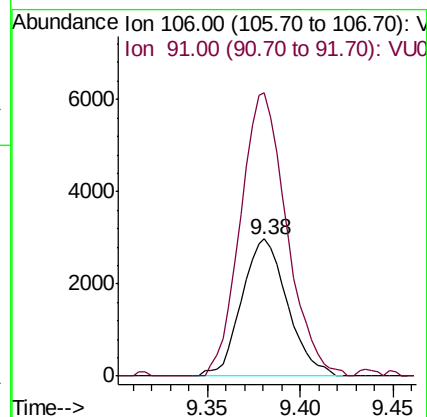
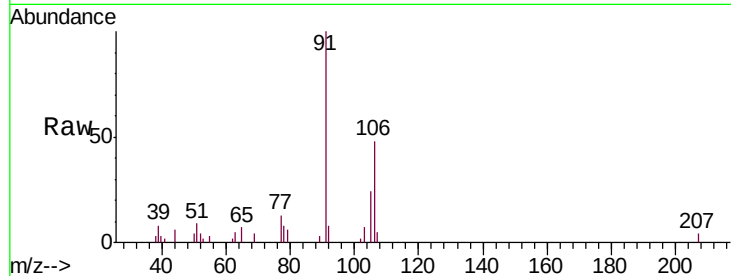




#68
m/p-Xylenes
Concen: 0.885 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025925.D
Acq: 07 Aug 2018 07:22

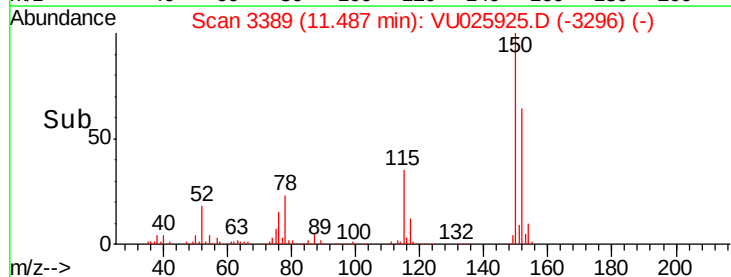
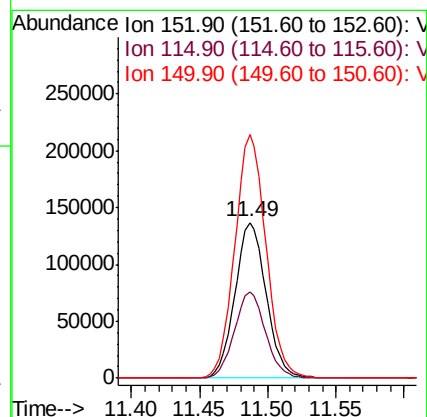
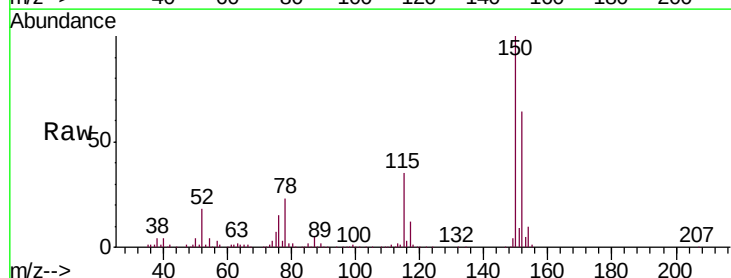
Instrument :
MSVOA_U
ClientSampleId :
FL-0537

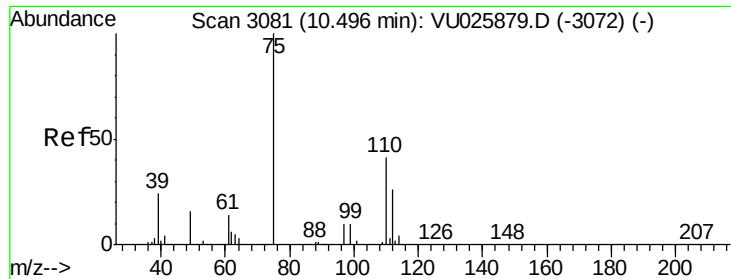
Tgt Ion:106 Resp: 5114
Ion Ratio Lower Upper
106 100
91 209.1 162.3 243.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025925.D
Acq: 07 Aug 2018 07:22

Tgt Ion:152 Resp: 217478
Ion Ratio Lower Upper
152 100
115 55.0 40.1 120.3
150 156.2 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 21.047 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025925.D

Acq: 07 Aug 2018 07:22

Instrument :

MSVOA_U

ClientSampleId :

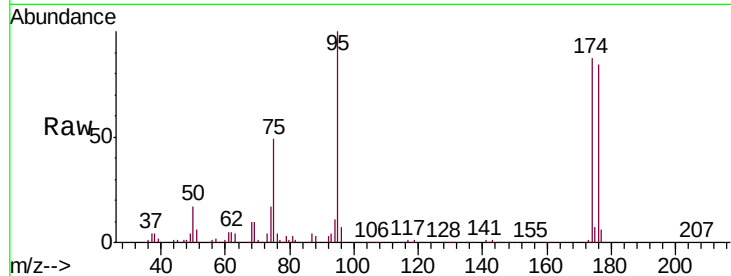
FL-0537

Tgt Ion: 75 Resp: 100852

Ion Ratio Lower Upper

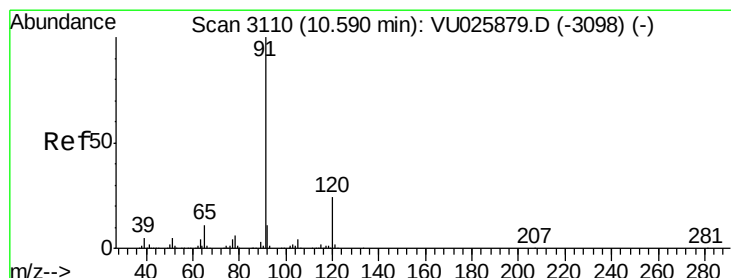
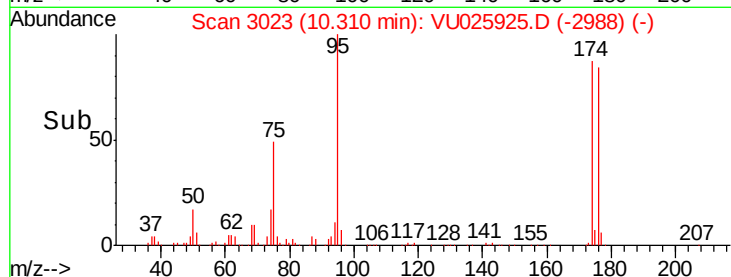
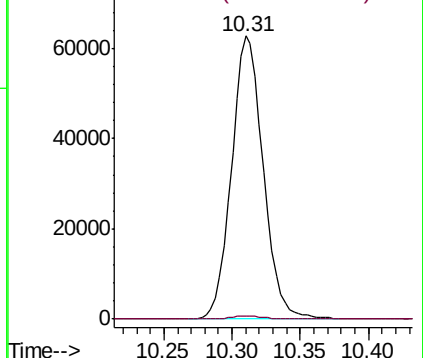
75 100

77 1.2 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#78

n-propylbenzene

Concen: 0.328 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025925.D

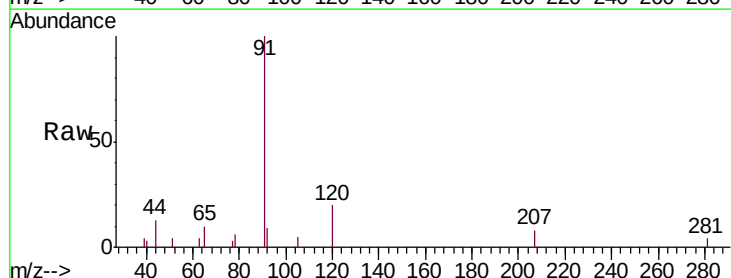
Acq: 07 Aug 2018 07:22

Tgt Ion: 91 Resp: 5675

Ion Ratio Lower Upper

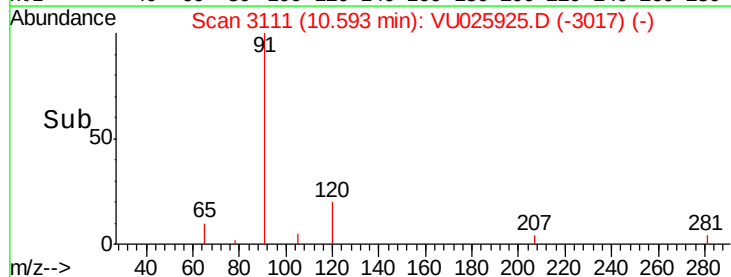
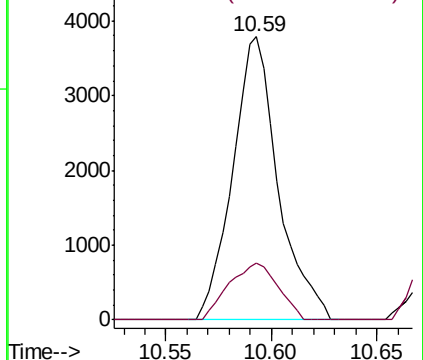
91 100

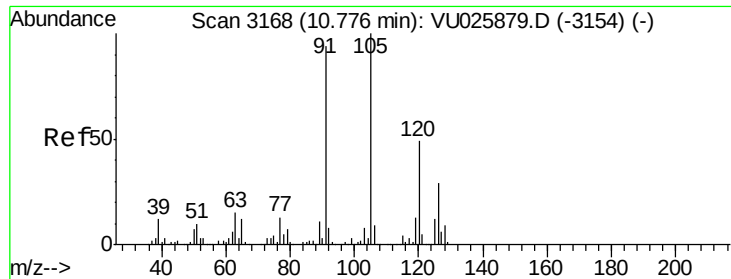
120 21.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

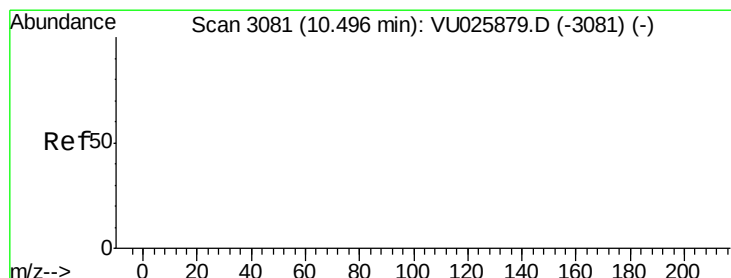
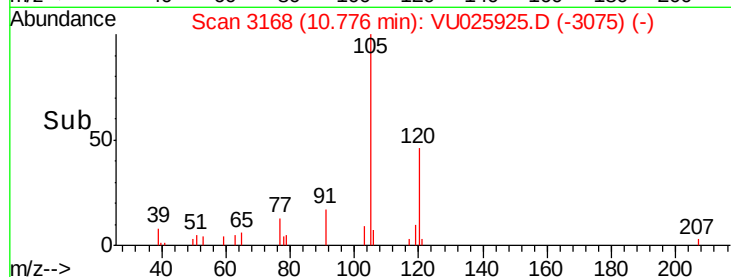
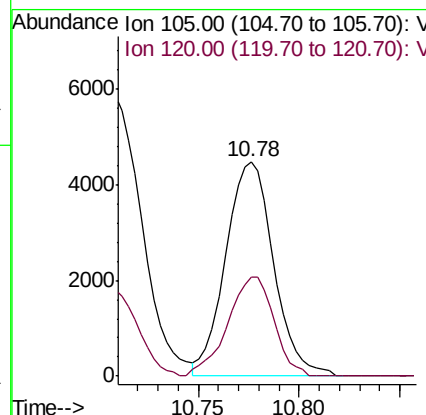
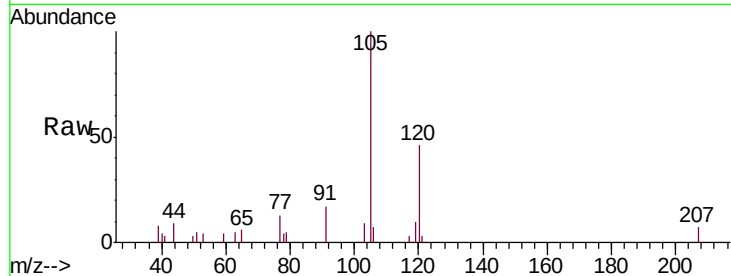




#80
 1,3,5-Trimethylbenzene
 Concen: 0.591 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025925.D
 Acq: 07 Aug 2018 07:22

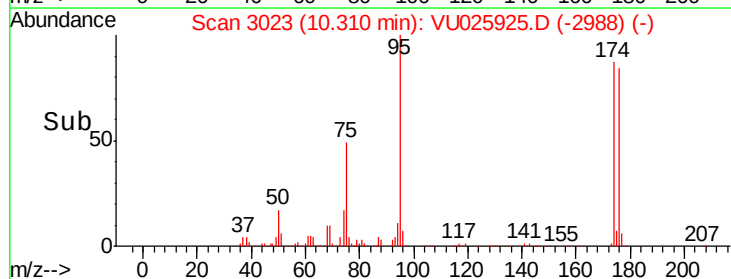
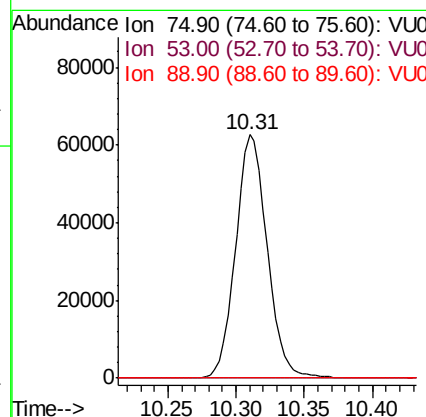
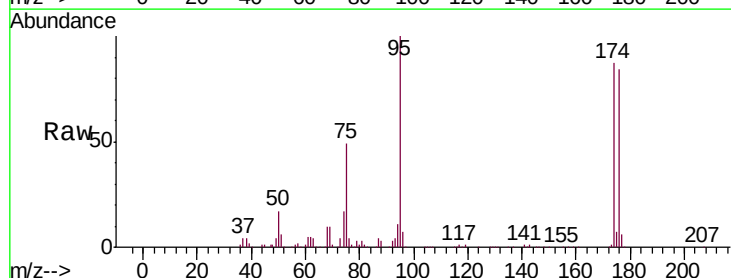
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0537

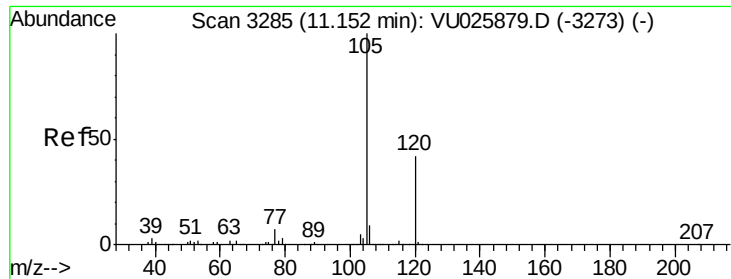
Tgt Ion:105 Resp: 7456
 Ion Ratio Lower Upper
 105 100
 120 44.4 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.775 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025925.D
 Acq: 07 Aug 2018 07:22

Tgt Ion: 75 Resp: 100852
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0#

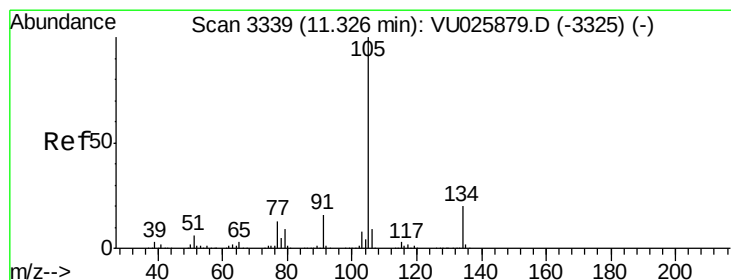
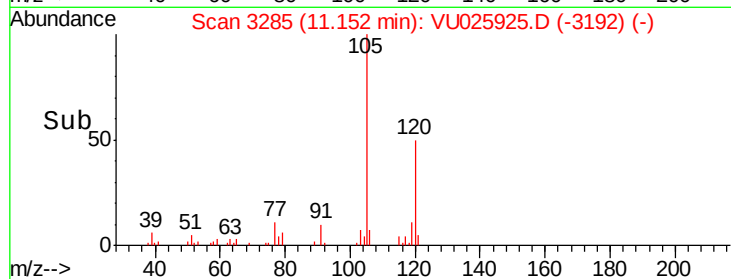
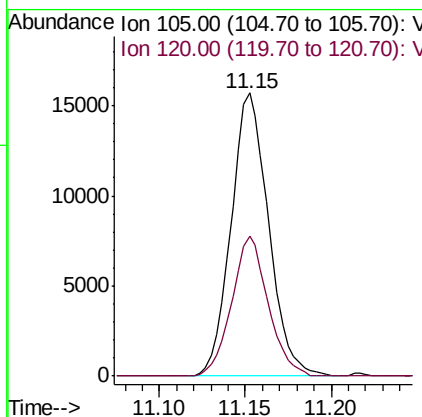
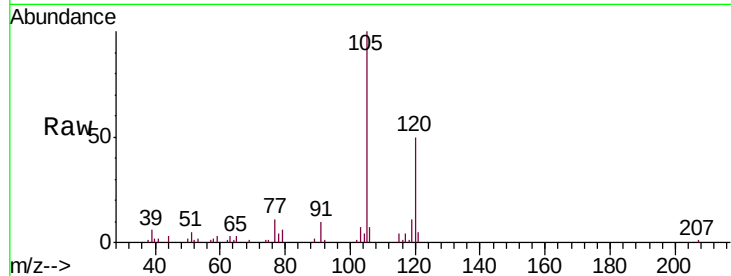




#84
 1,2,4-Trimethylbenzene
 Concen: 1.858 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025925.D
 Acq: 07 Aug 2018 07:22

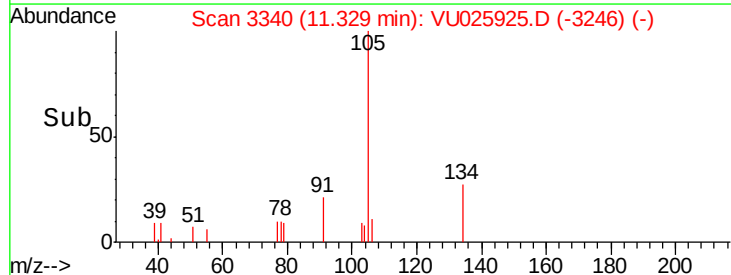
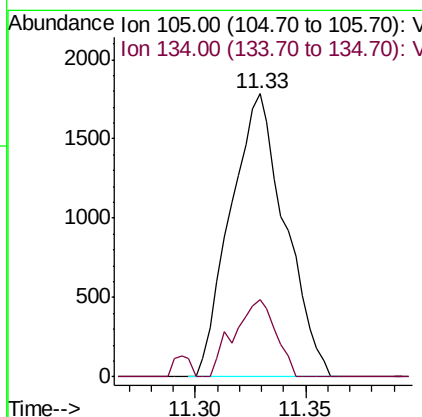
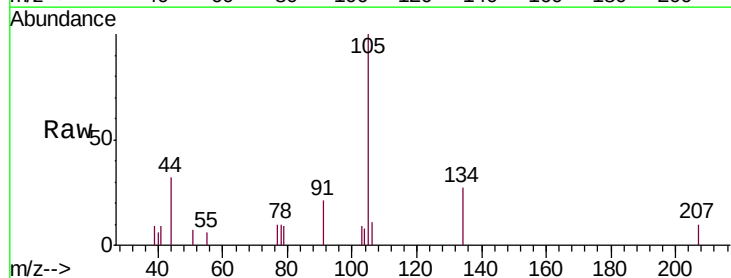
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0537

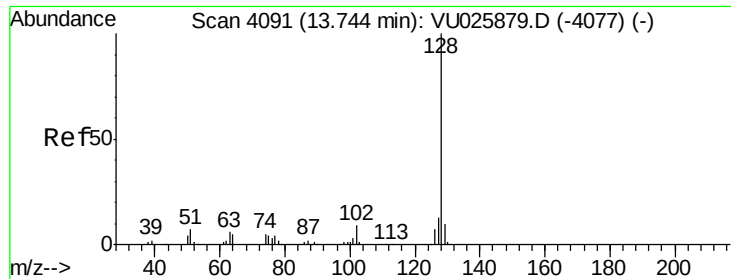
Tgt Ion:105 Resp: 23729
 Ion Ratio Lower Upper
 105 100
 120 47.9 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 0.200 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025925.D
 Acq: 07 Aug 2018 07:22

Tgt Ion:105 Resp: 3061
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.8





#95

Naphthalene

Concen: 2.064 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025925.D

Acq: 07 Aug 2018 07:22

Instrument :

MSVOA_U

ClientSampleId :

FL-0537

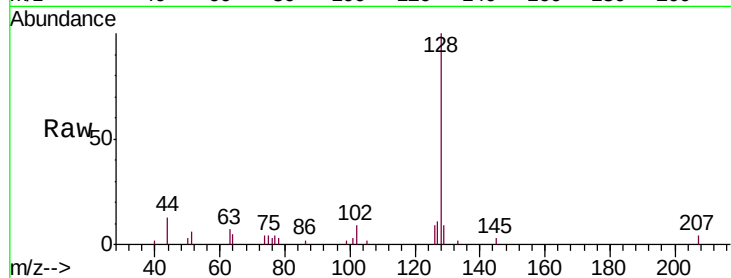
Tgt Ion:128 Resp: 13467

Ion Ratio Lower Upper

128 100

127 10.9 10.5 15.7

129 9.9 8.3 12.5



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

