

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
 Data File : VU025927.D
 Acq On : 07 Aug 2018 08:08
 Operator : MD/SY
 Sample : J4344-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0539

Quant Time: Aug 07 08:55:31 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

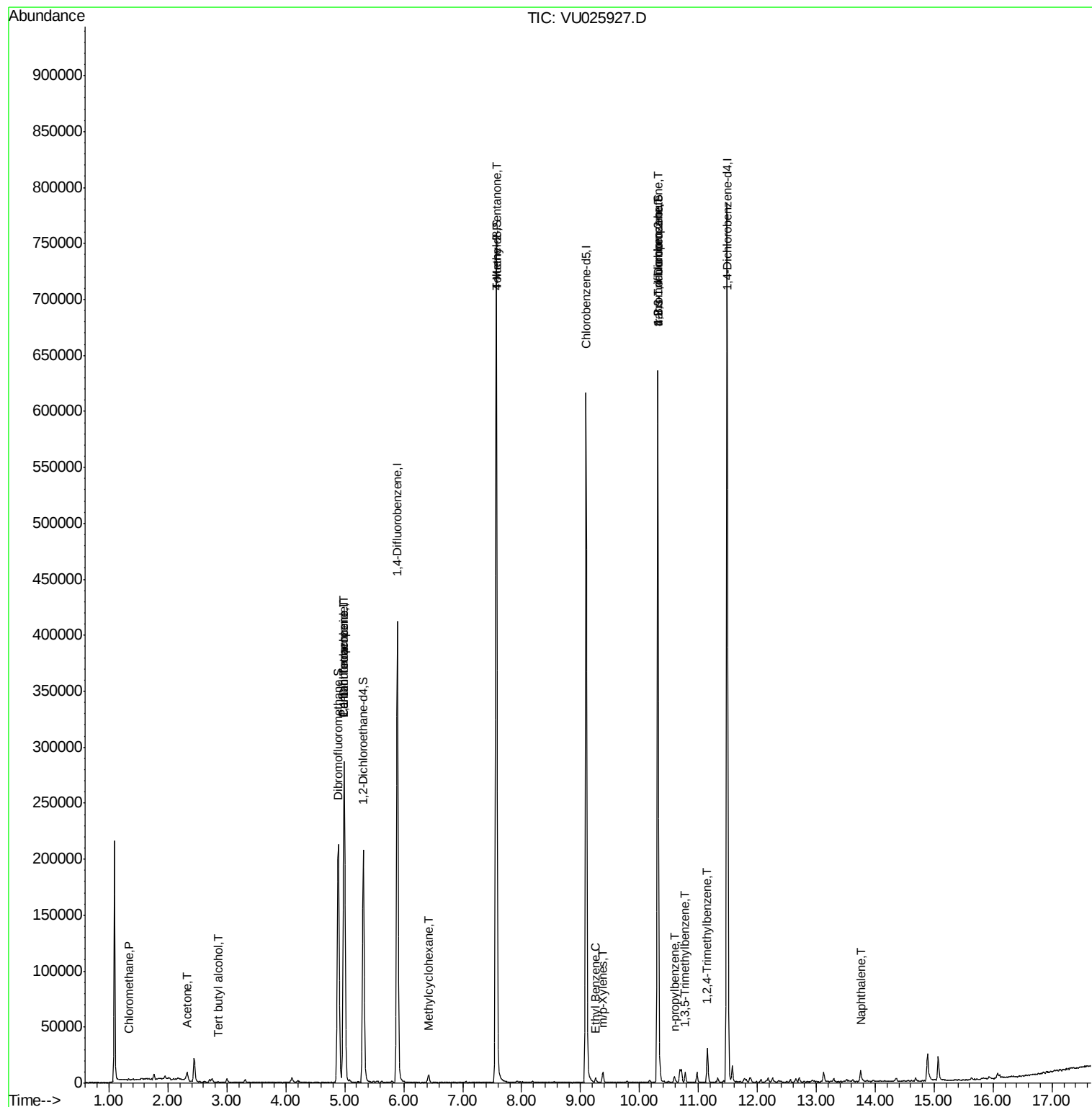
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	225321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	362379	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	353473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	217108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	169026	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	
35) Dibromofluoromethane	4.89	113	145024	46.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.02%	
50) Toluene-d8	7.57	98	527844	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	10.31	95	206401	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	990	0.304	ug/l	91
11) Tert butyl alcohol	2.84	59	212	0.276	ug/l #	73
13) Acrolein	2.23	56	45	Below Cal	#	28
16) Acetone	2.32	43	6625	3.871	ug/l #	88
31) Cyclohexane	4.99	56	5929	Below Cal	#	31
36) 1,1-Dichloropropene	4.99	75	15568	3.676	ug/l #	48
38) Carbon Tetrachloride	4.99	117	20843	4.345	ug/l #	15
39) Methylcyclohexane	6.42	83	3085	0.636	ug/l	95
51) 4-Methyl-2-Pentanone	7.57	43	2178	0.479	ug/l #	1
67) Ethyl Benzene	9.26	91	3427	0.227	ug/l #	85
68) m/p-Xylenes	9.38	106	3149	0.543	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	103062	21.545	ug/l #	36
78) n-propylbenzene	10.59	91	4948	0.286	ug/l	95
80) 1,3,5-Trimethylbenzene	10.78	105	5432	0.432	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	103062	54.024	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	16942	1.329	ug/l	98
95) Naphthalene	13.75	128	9672	1.836	ug/l	99

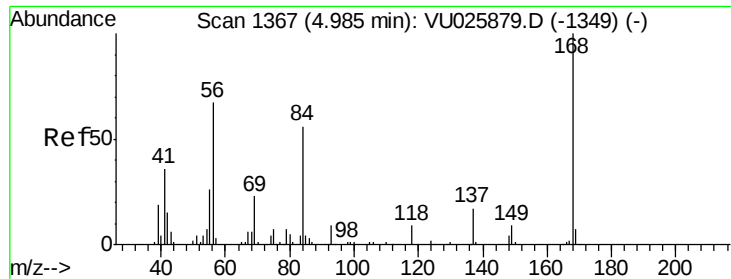
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025927.D

Acq: 07 Aug 2018 08:08

Instrument :

MSVOA_U

ClientSampleId :

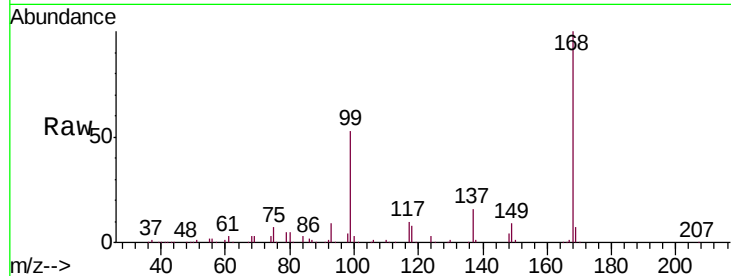
FL-0539

Tgt Ion:168 Resp: 225321

Ion Ratio Lower Upper

168 100

99 52.9 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) (-)

4.99

100000

80000

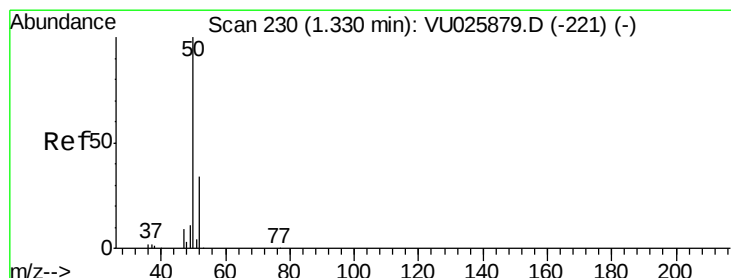
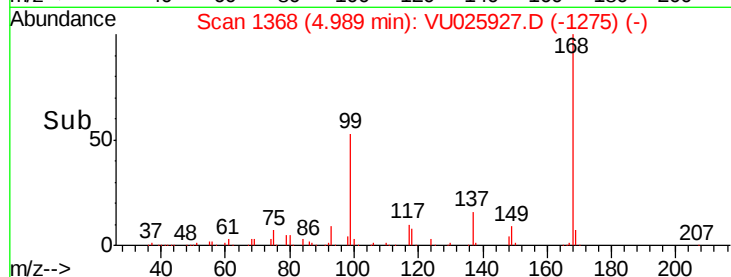
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.304 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025927.D

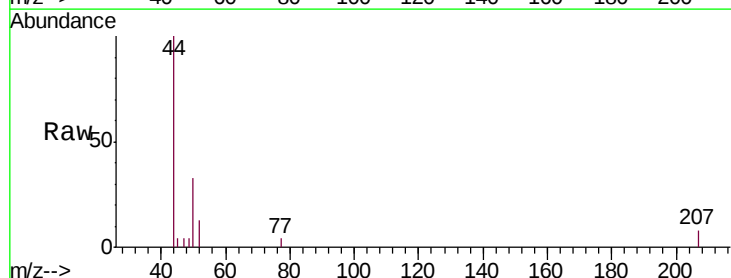
Acq: 07 Aug 2018 08:08

Tgt Ion: 50 Resp: 990

Ion Ratio Lower Upper

50 100

52 38.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025879.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025879.D (-221) (-)

1.33

1000

800

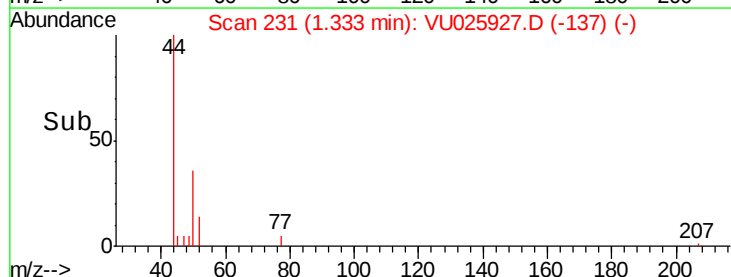
600

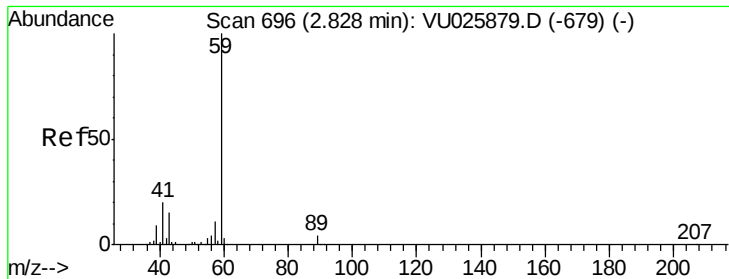
400

200

0

Time-->

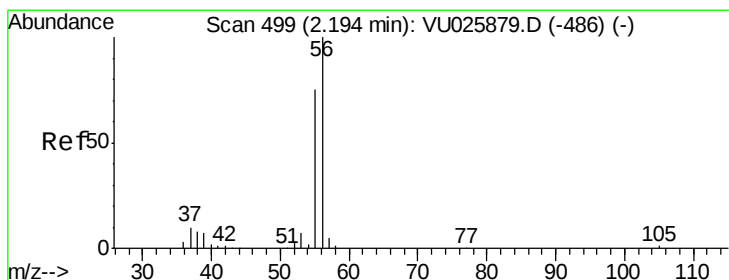
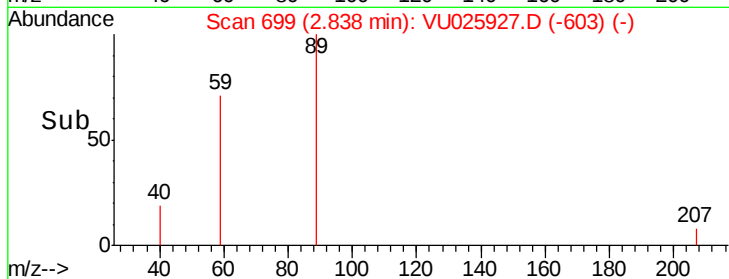
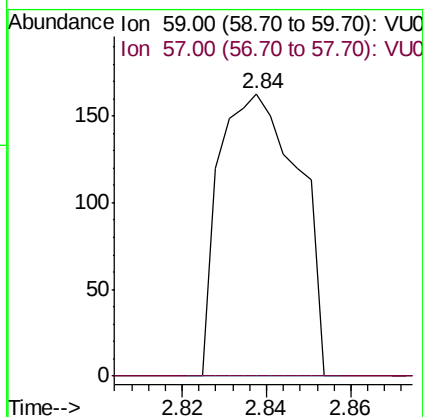
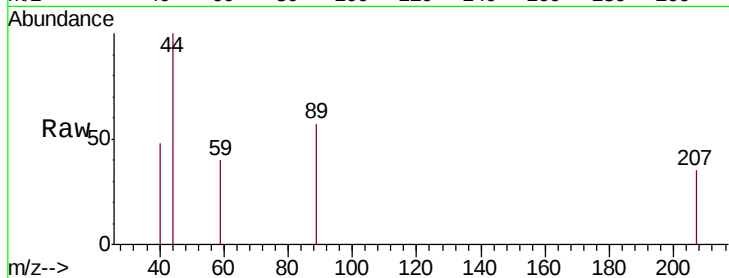




#11
Tert butyl alcohol
Concen: 0.276 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU025927.D
Acq: 07 Aug 2018 08:08

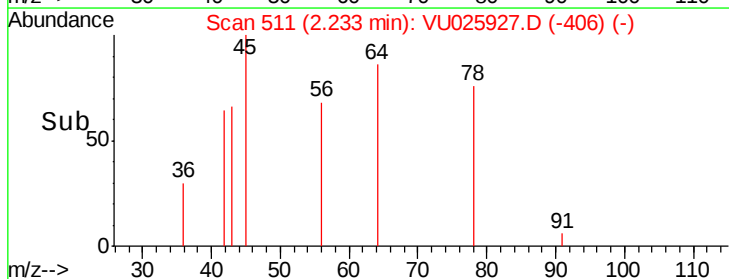
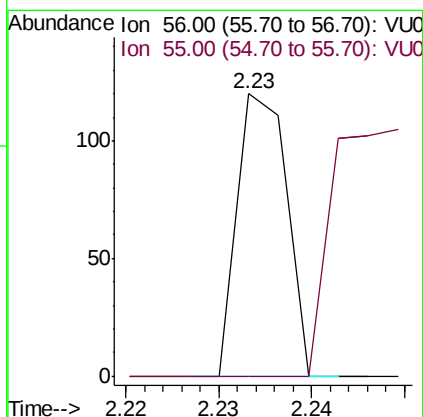
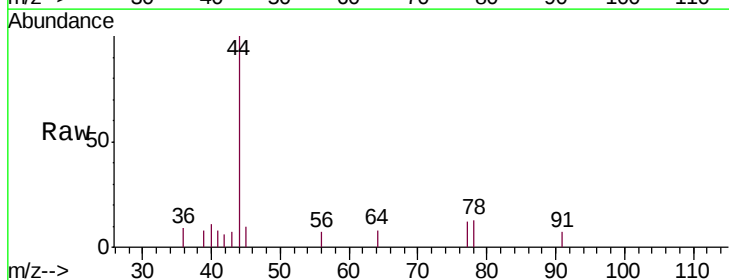
Instrument :
MSVOA_U
ClientSampleId :
FL-0539

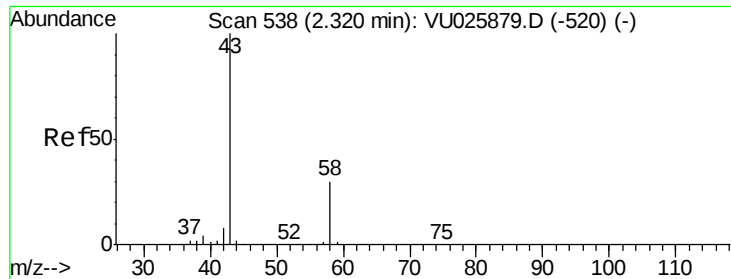
Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.23 min Scan# 511
Delta R.T. 0.04 min
Lab File: VU025927.D
Acq: 07 Aug 2018 08:08

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 131.1 57.2 85.8#





#16

Acetone

Concen: 3.871 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025927.D

Acq: 07 Aug 2018 08:08

Instrument :

MSVOA_U

ClientSampleId :

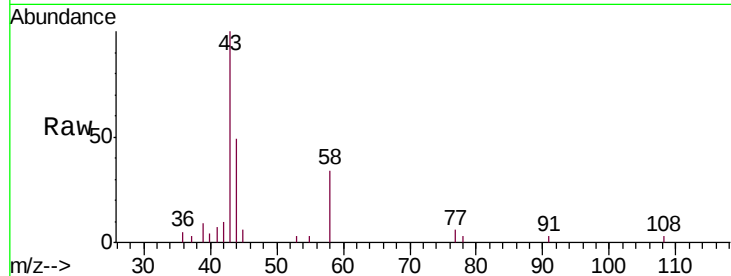
FL-0539

Tgt Ion: 43 Resp: 6625

Ion Ratio Lower Upper

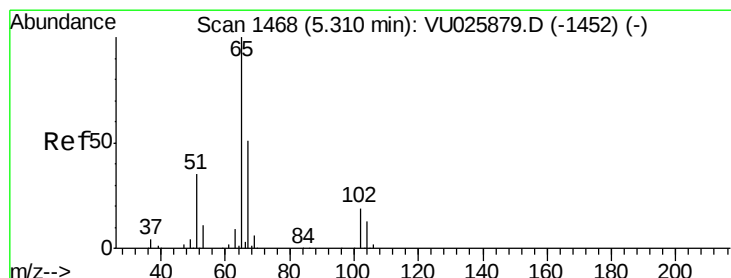
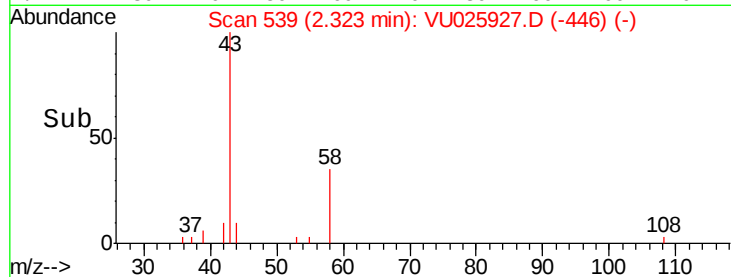
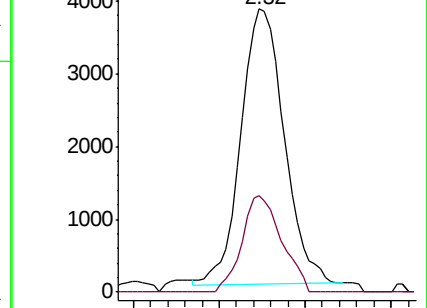
43 100

58 35.2 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 48.145 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025927.D

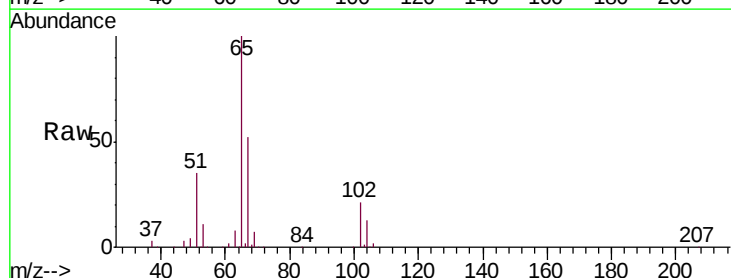
Acq: 07 Aug 2018 08:08

Tgt Ion: 65 Resp: 169026

Ion Ratio Lower Upper

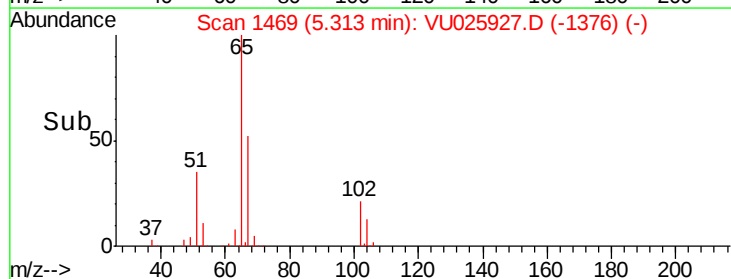
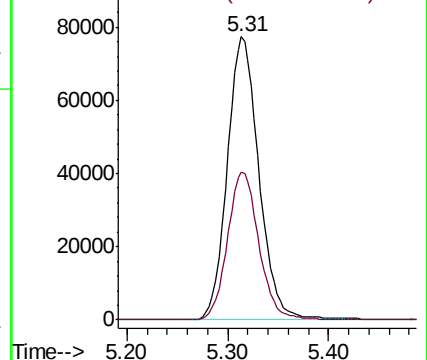
65 100

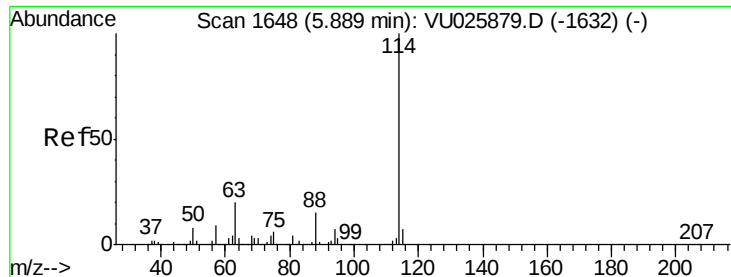
67 52.0 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

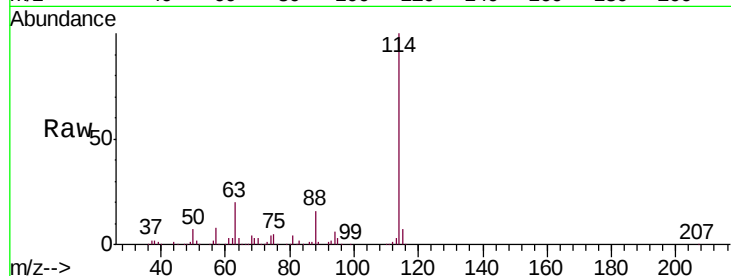




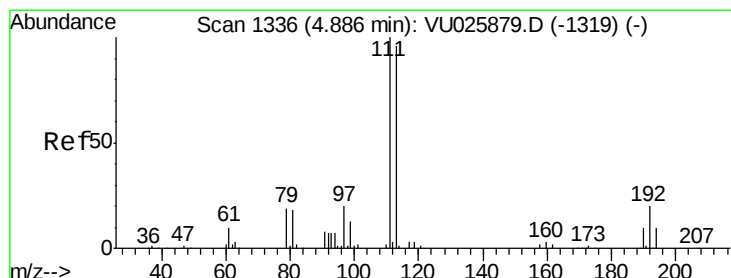
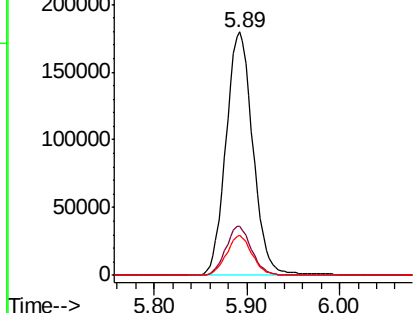
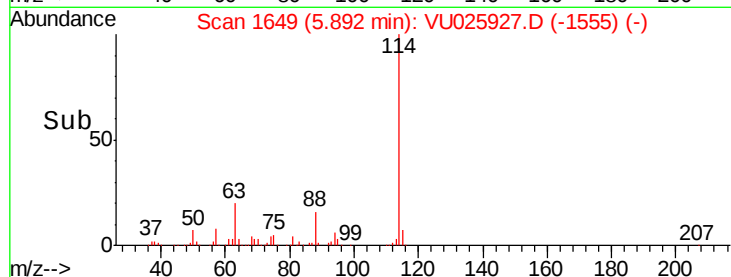
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025927.D
 Acq: 07 Aug 2018 08:08

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0539

Tgt Ion:	114	Resp:	362379
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.6
88	16.2	0.0	32.4

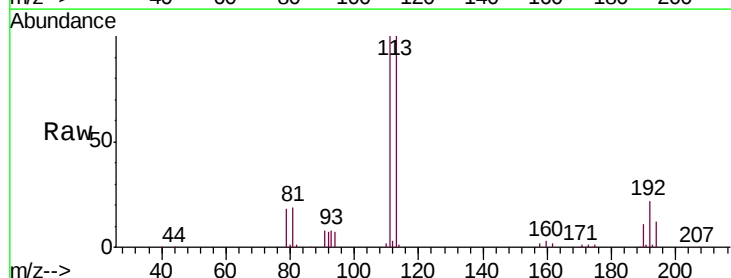


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

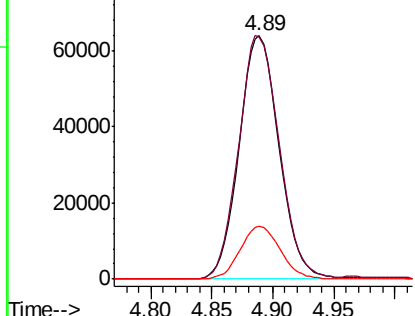
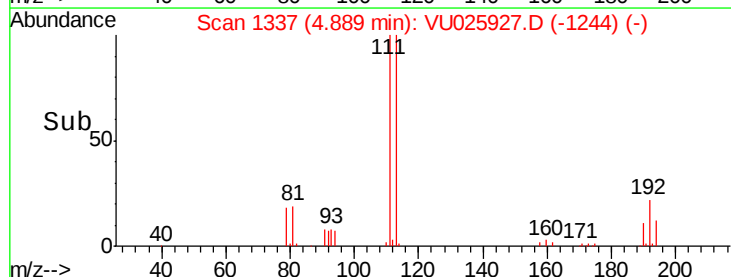


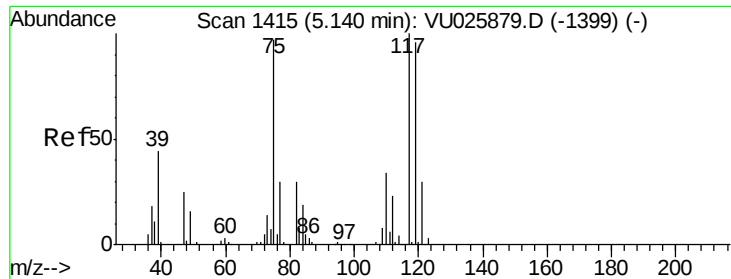
#35
 Dibromofluoromethane
 Concen: 46.013 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025927.D
 Acq: 07 Aug 2018 08:08

Tgt Ion:	113	Resp:	145024
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.7	122.5
192	21.7	17.1	25.7



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





#36

1,1-Dichloropropene

Concen: 3.676 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025927.D

Acq: 07 Aug 2018 08:08

Instrument :

MSVOA_U

ClientSampleId :

FL-0539

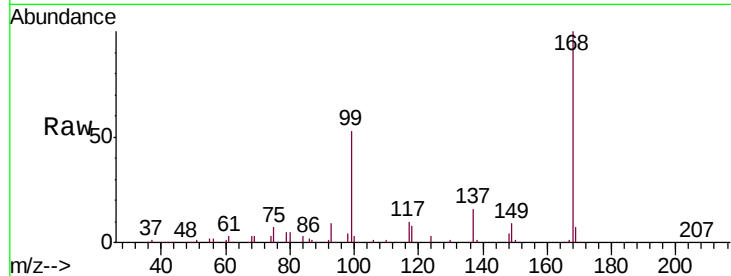
Tgt Ion: 75 Resp: 15568

Ion Ratio Lower Upper

75 100

110 7.0 17.6 52.9#

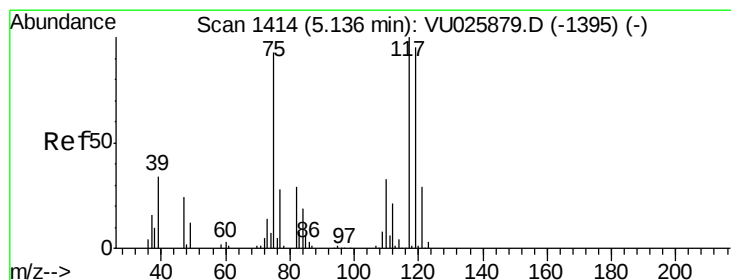
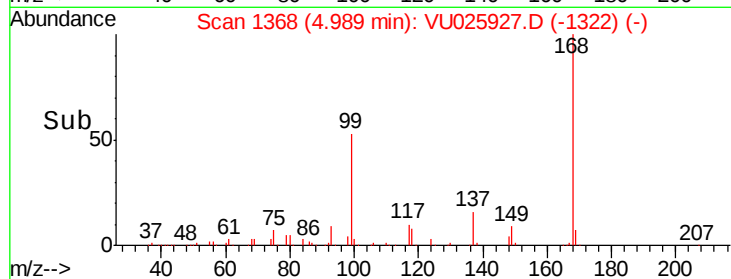
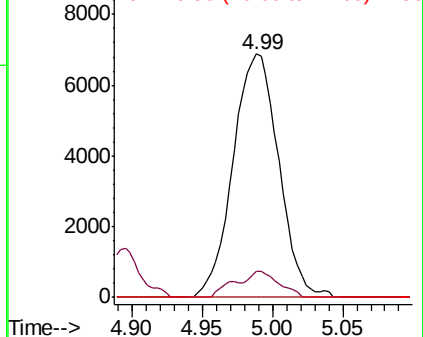
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VU025879.D (-1399) (-)

Ion 109.90 (109.60 to 110.60): VU025879.D (-1399) (-)

Ion 76.90 (76.60 to 77.60): VU025879.D (-1399) (-)



#38

Carbon Tetrachloride

Concen: 4.345 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025927.D

Acq: 07 Aug 2018 08:08

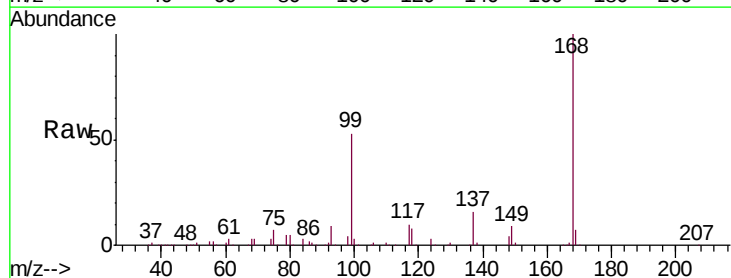
Tgt Ion: 117 Resp: 20843

Ion Ratio Lower Upper

117 100

119 3.5 75.7 113.5#

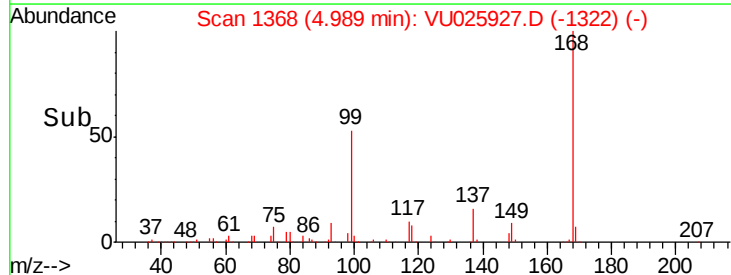
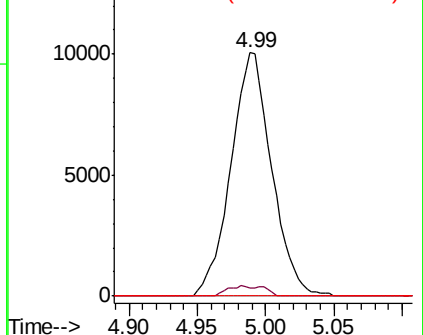
121 0.0 24.6 36.8#

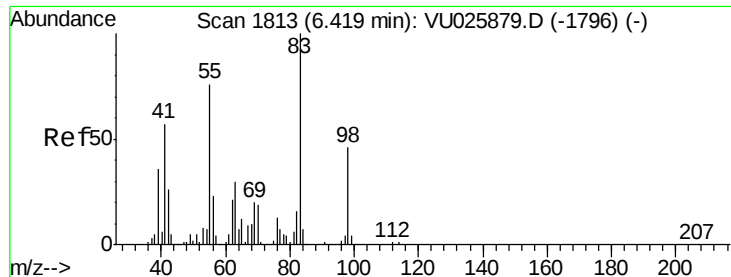


Abundance Ion 116.80 (116.50 to 117.50): VU025879.D (-1395) (-)

Ion 118.80 (118.50 to 119.50): VU025879.D (-1395) (-)

Ion 120.80 (120.50 to 121.50): VU025879.D (-1395) (-)

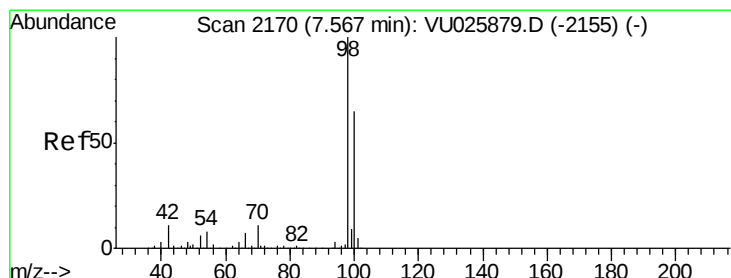
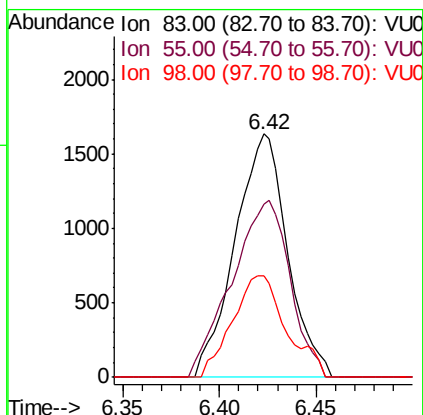
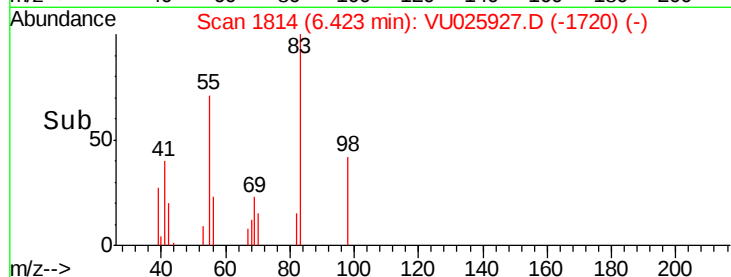
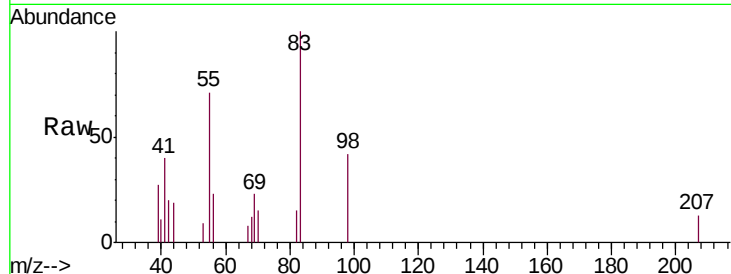




#39
Methylcyclohexane
Concen: 0.636 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025927.D
Acq: 07 Aug 2018 08:08

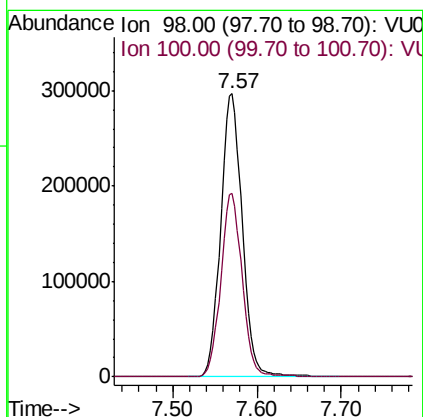
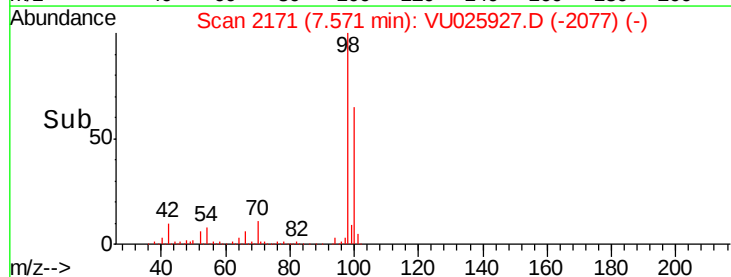
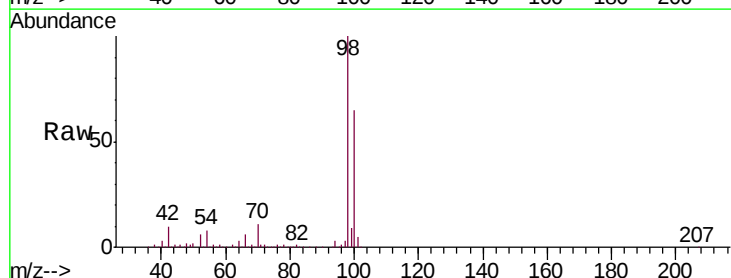
Instrument :
MSVOA_U
ClientSampleId :
FL-0539

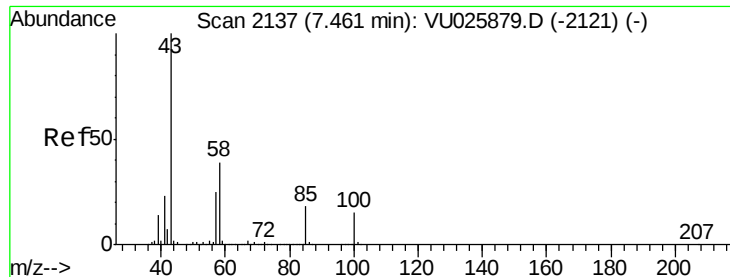
Tgt Ion: 83 Resp: 3085
Ion Ratio Lower Upper
83 100
55 71.2 60.0 90.0
98 41.9 36.1 54.1



#50
Toluene-d8
Concen: 47.859 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025927.D
Acq: 07 Aug 2018 08:08

Tgt Ion: 98 Resp: 527844
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 0.479 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.10 min

Lab File: VU025927.D

Acq: 07 Aug 2018 08:08

Instrument :

MSVOA_U

ClientSampled :

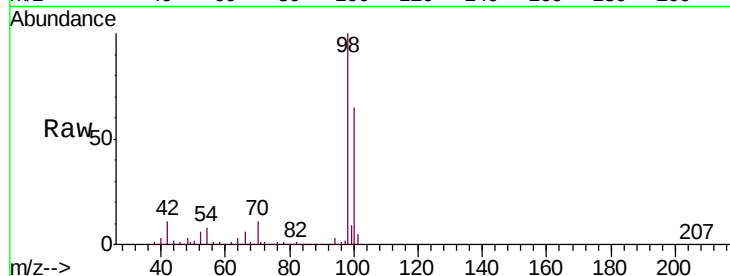
FL-0539

Tgt Ion: 43 Resp: 2178

Ion Ratio Lower Upper

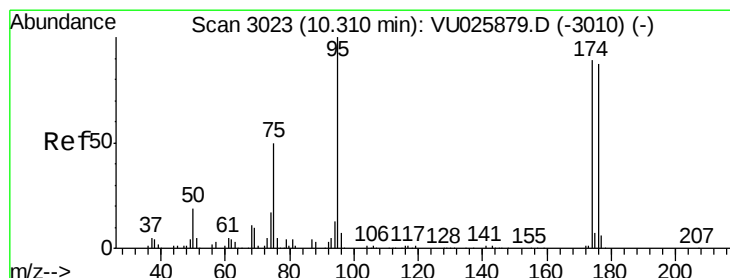
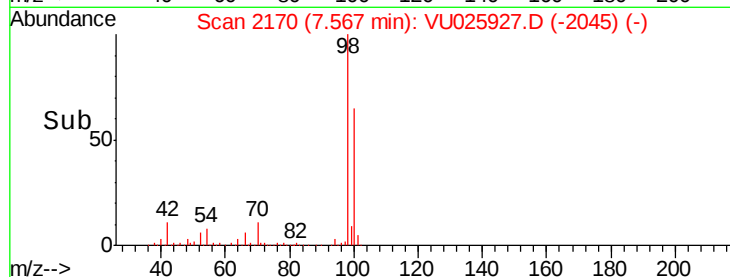
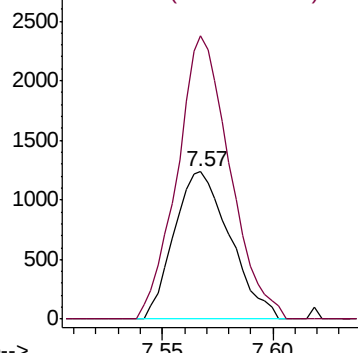
43 100

58 181.1 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 48.214 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025927.D

Acq: 07 Aug 2018 08:08

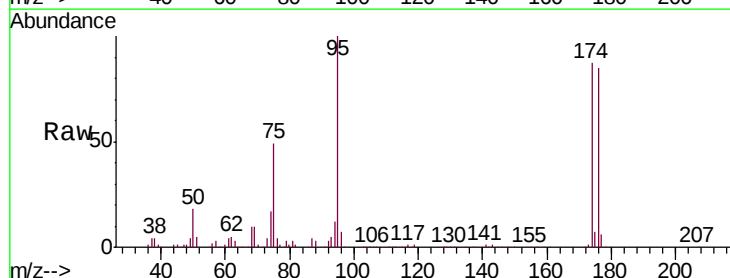
Tgt Ion: 95 Resp: 206401

Ion Ratio Lower Upper

95 100

174 89.2 0.0 172.2

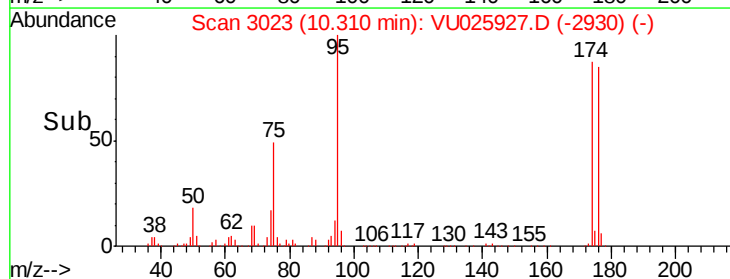
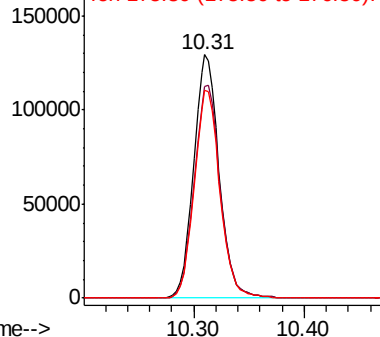
176 86.1 0.0 162.6

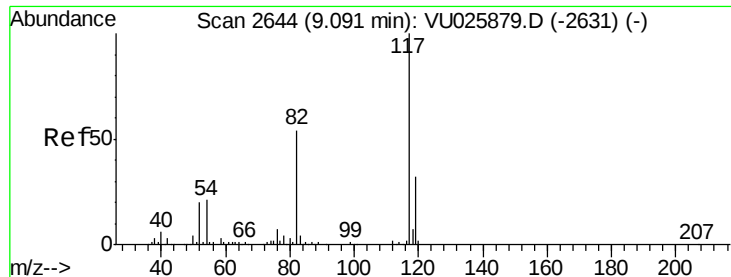


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

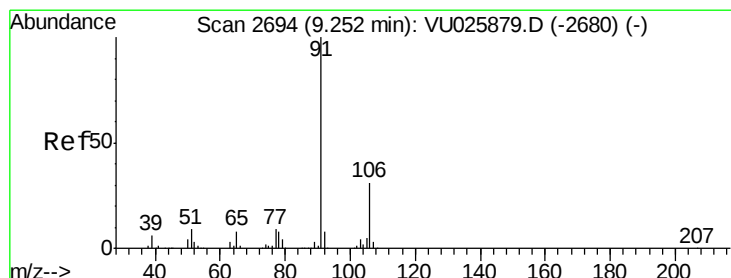
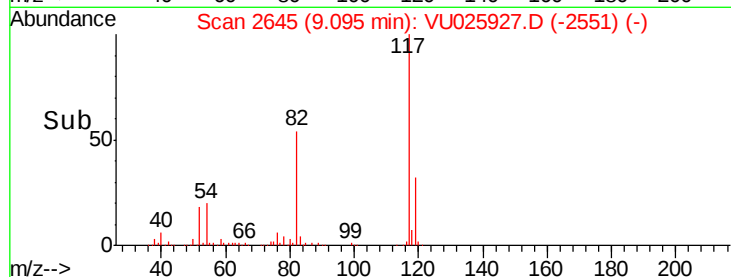
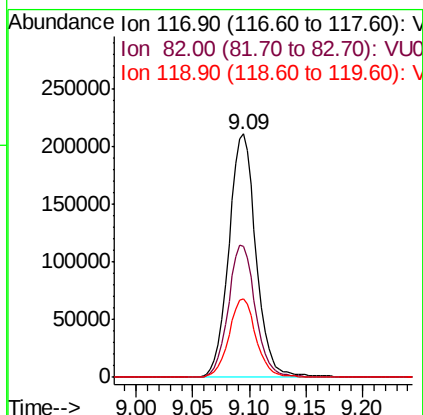
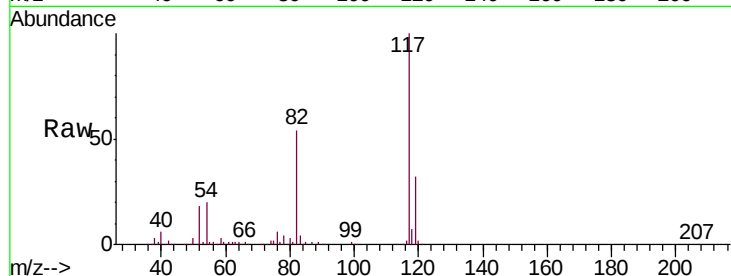




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025927.D
Acq: 07 Aug 2018 08:08

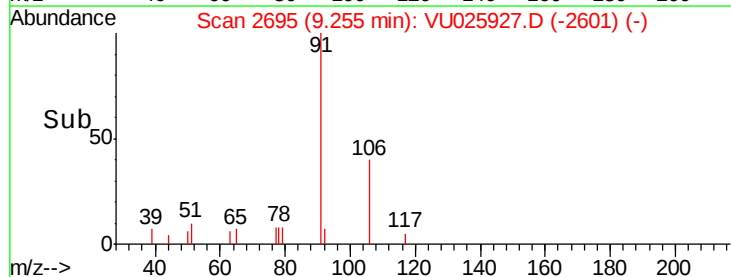
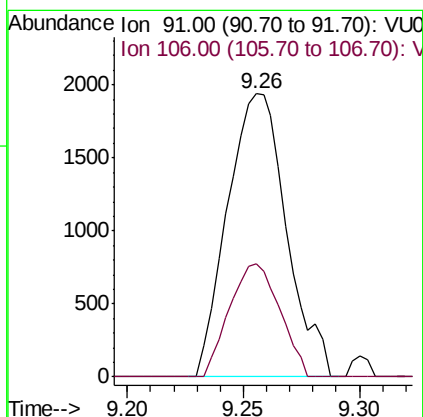
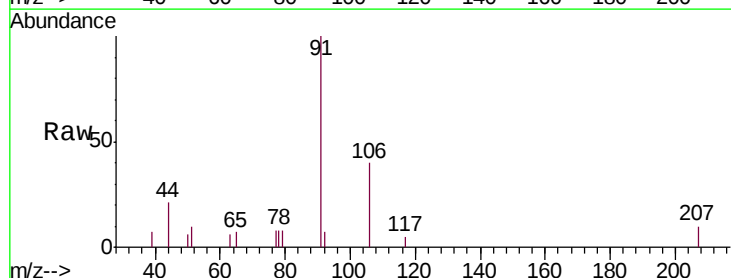
Instrument :
MSVOA_U
ClientSampleId :
FL-0539

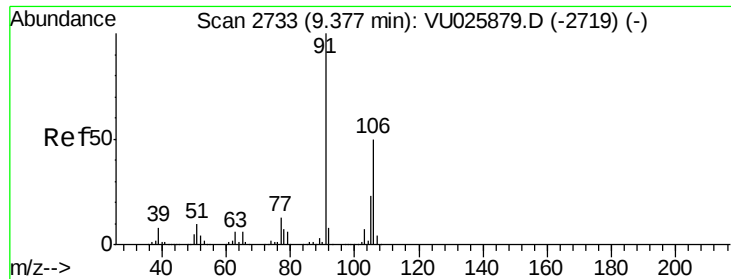
Tgt Ion: 117 Resp: 353473
Ion Ratio Lower Upper
117 100
82 53.9 46.0 69.0
119 32.2 26.0 39.0



#67
Ethyl Benzene
Concen: 0.227 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025927.D
Acq: 07 Aug 2018 08:08

Tgt Ion: 91 Resp: 3427
Ion Ratio Lower Upper
91 100
106 40.1 25.3 37.9#

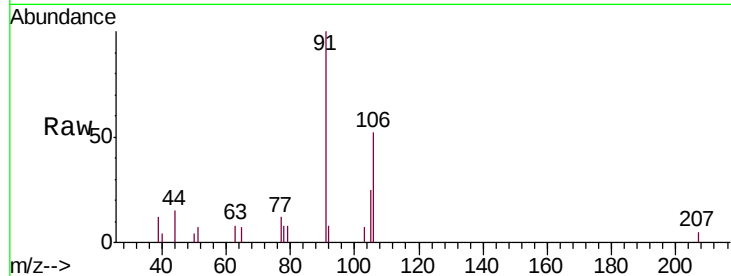




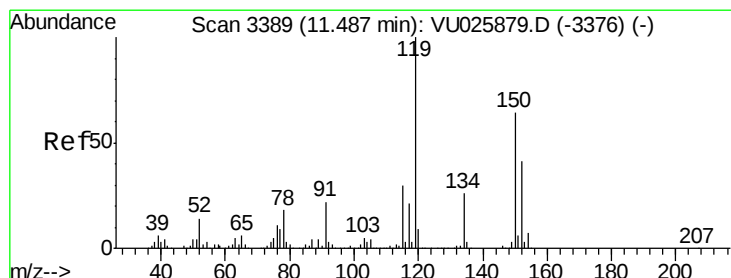
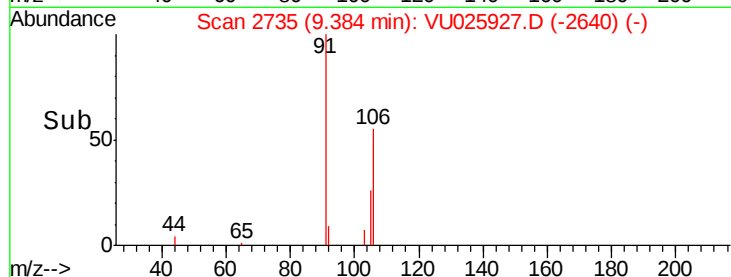
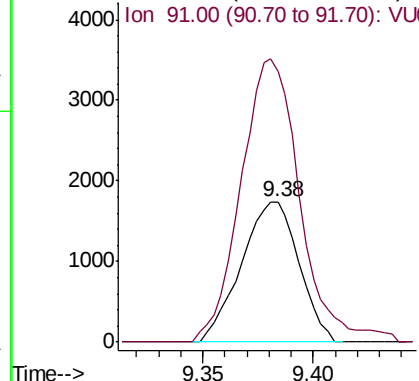
#68
m/p-Xylenes
Concen: 0.543 ug/l
RT: 9.38 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU025927.D
Acq: 07 Aug 2018 08:08

Instrument :
MSVOA_U
ClientSampleId :
FL-0539

Tgt Ion:106 Resp: 3149
Ion Ratio Lower Upper
106 100
91 208.2 162.3 243.5

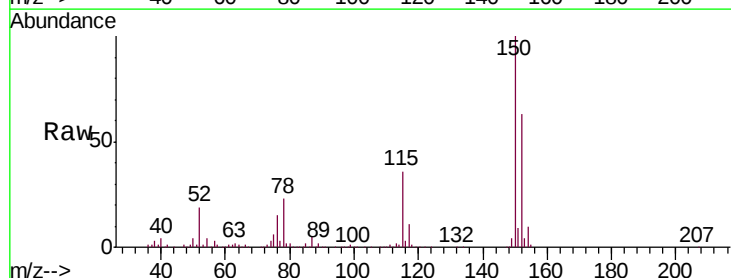


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

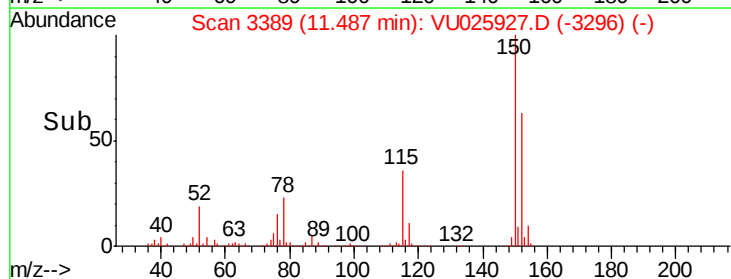
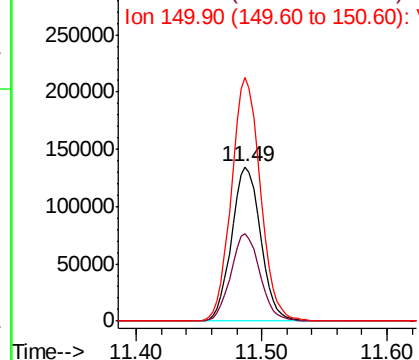


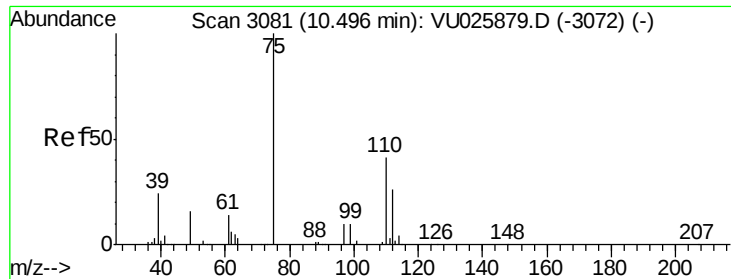
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025927.D
Acq: 07 Aug 2018 08:08

Tgt Ion:152 Resp: 217108
Ion Ratio Lower Upper
152 100
115 56.7 40.1 120.3
150 156.7 0.0 351.4



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





#76

1,2,3-Trichloropropane

Concen: 21.545 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025927.D

Acq: 07 Aug 2018 08:08

Instrument :

MSVOA_U

ClientSampleId :

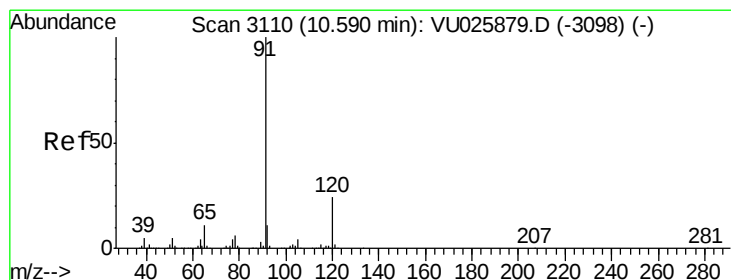
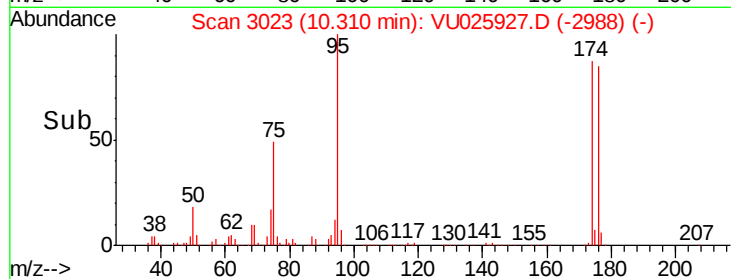
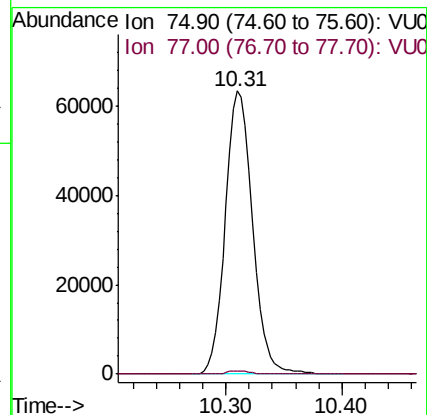
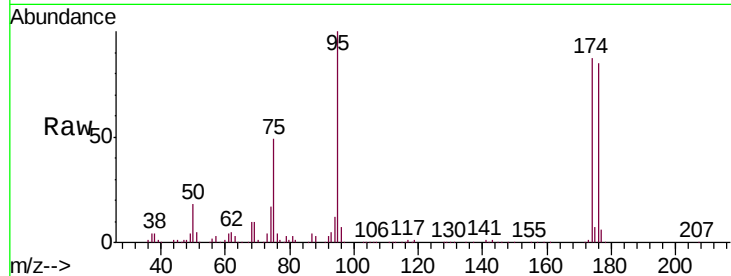
FL-0539

Tgt Ion: 75 Resp: 103062

Ion Ratio Lower Upper

75 100

77 1.0 20.4 61.3#



#78

n-propylbenzene

Concen: 0.286 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025927.D

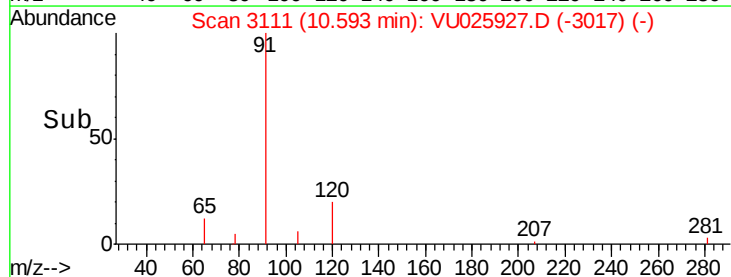
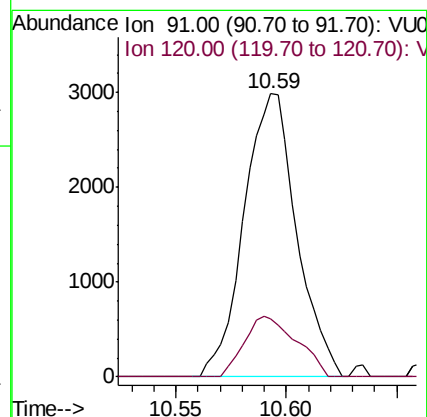
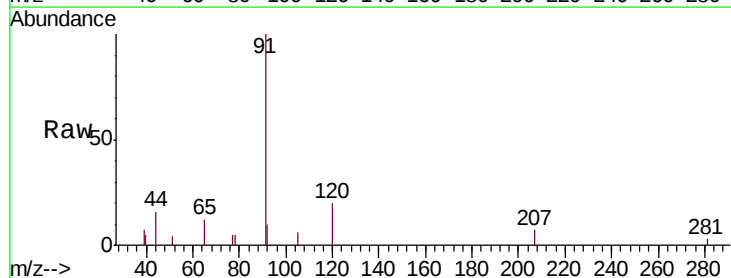
Acq: 07 Aug 2018 08:08

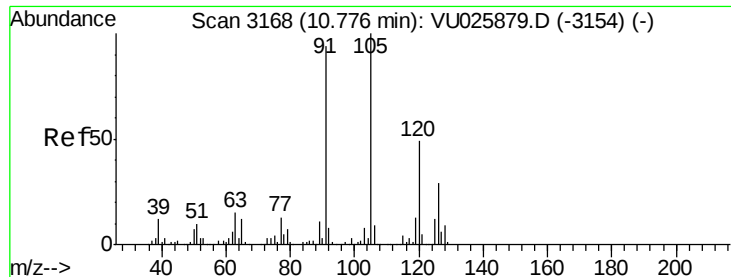
Tgt Ion: 91 Resp: 4948

Ion Ratio Lower Upper

91 100

120 21.2 11.8 35.3

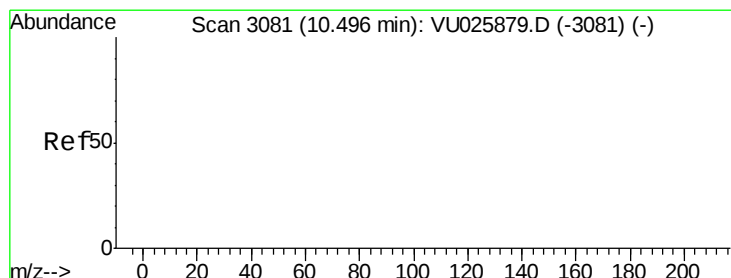
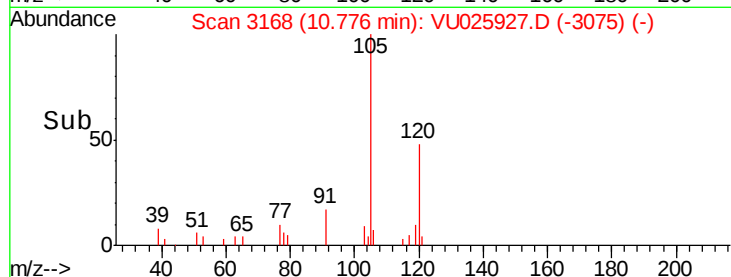
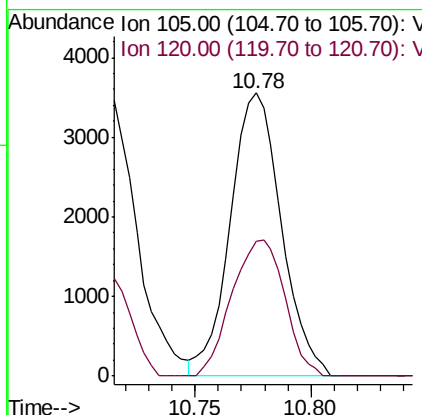
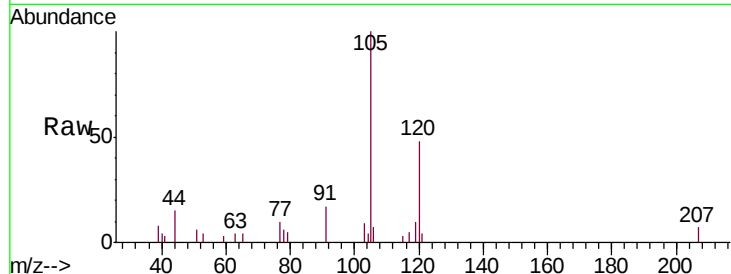




#80
 1,3,5-Trimethylbenzene
 Concen: 0.432 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025927.D
 Acq: 07 Aug 2018 08:08

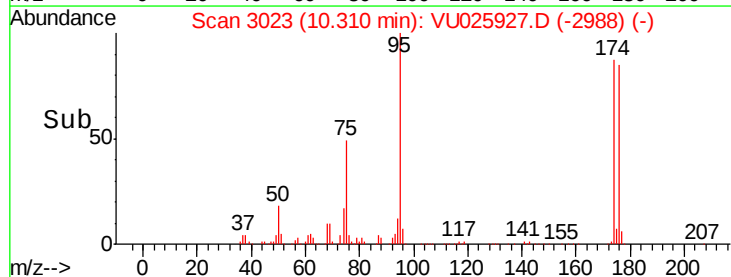
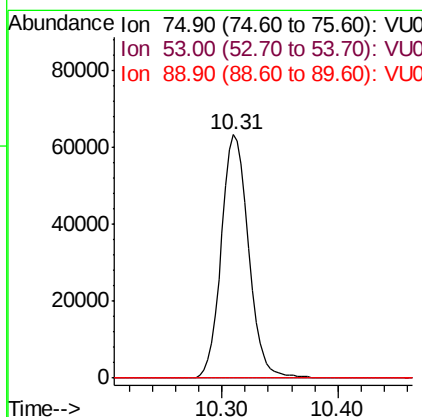
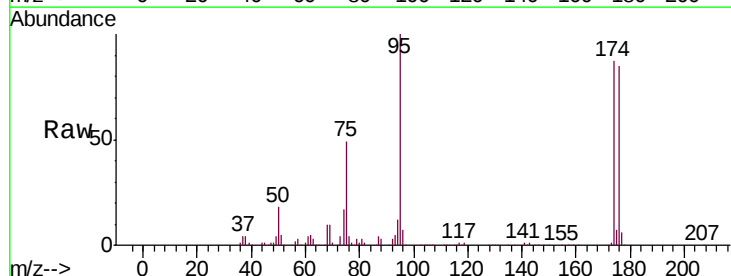
Instrument :
 MSVOA_U
 ClientSampled :
 FL-0539

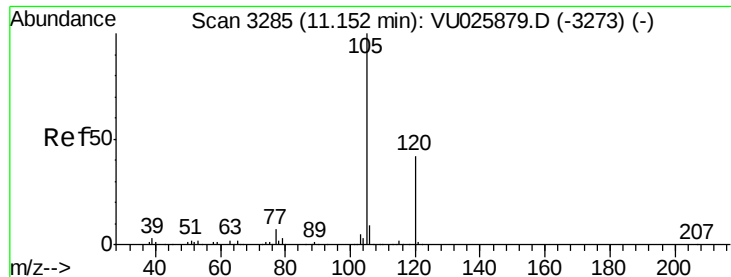
Tgt Ion:105 Resp: 5432
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.024 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025927.D
 Acq: 07 Aug 2018 08:08

Tgt Ion: 75 Resp: 103062
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0#

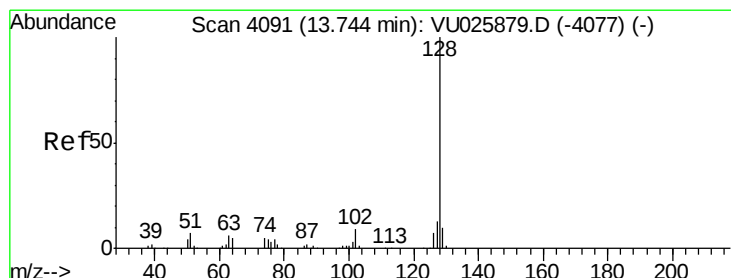
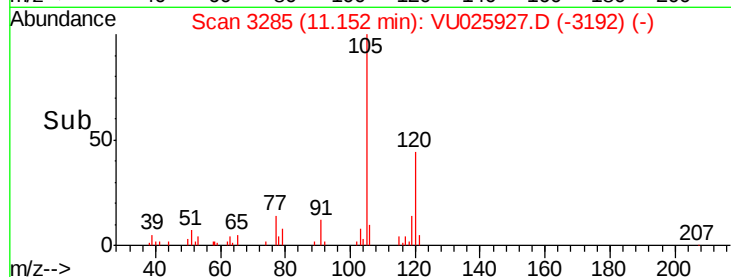
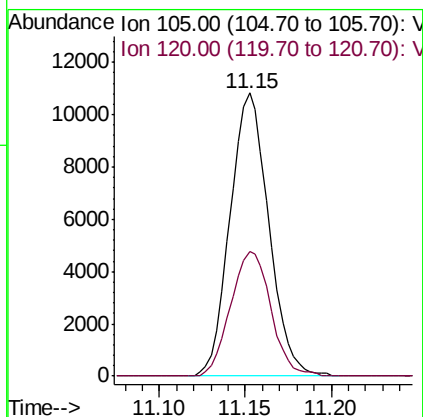
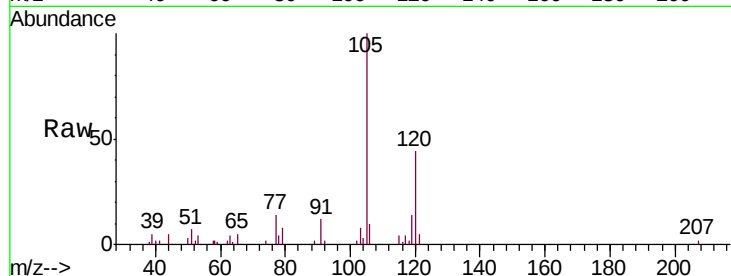




#84
 1,2,4-Trimethylbenzene
 Concen: 1.329 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025927.D
 Acq: 07 Aug 2018 08:08

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0539

Tgt Ion:105 Resp: 16942
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.3 66.8



#95
 Naphthalene
 Concen: 1.836 ug/l
 RT: 13.75 min Scan# 4093
 Delta R.T. 0.01 min
 Lab File: VU025927.D
 Acq: 07 Aug 2018 08:08

Tgt Ion:128 Resp: 9672
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.5 15.7
 129 10.9 8.3 12.5

