

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
 Data File : VU025924.D
 Acq On : 07 Aug 2018 06:58
 Operator : MD/SY
 Sample : J4344-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0532

Quant Time: Aug 07 08:54:35 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	224291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	359371	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	356421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	229498	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	163383	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
35) Dibromofluoromethane	4.89	113	143881	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
50) Toluene-d8	7.57	98	530800	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	10.31	95	206684	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds					Qvalue
11) Tert butyl alcohol	2.83	59	1419	1.855 ug/l #	73
13) Acrolein	2.09	56	96	Below Cal #	12
14) Allyl chloride	2.71	41	11952	2.762 ug/l #	63
15) Acrylonitrile	3.00	53	4174	2.732 ug/l #	37
16) Acetone	2.31	43	11480	6.738 ug/l #	71
18) Methyl Acetate	2.75	43	143828	35.073 ug/l #	52
23) Vinyl Acetate	3.31	43	31636	4.257 ug/l #	50
25) 2-Butanone	4.23	43	1443	0.622 ug/l #	49
26) 2,2-Dichloropropane	4.09	77	1981	0.426 ug/l #	53
31) Cyclohexane	5.00	56	229527	51.585 ug/l	97
36) 1,1-Dichloropropene	4.99	75	15863	3.777 ug/l #	65
38) Carbon Tetrachloride	4.99	117	20584	4.327 ug/l #	16
39) Methylcyclohexane	6.42	83	483934	100.566 ug/l	99
41) Methacrylonitrile	4.74	41	3754	1.552 ug/l #	49
43) Isopropyl Acetate	5.54	43	7090	0.985 ug/l #	61
47) Bromodichloromethane	6.74	83	1154	0.261 ug/l #	65
48) Methyl methacrylate	6.64	41	22354	6.338 ug/l #	45
55) 1,1,2-Trichloroethane	8.05	97	34445	10.868 ug/l #	18
56) Ethyl methacrylate	8.05	69	7148	1.578 ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.27	63	79	7.114 ug/l #	47
67) Ethyl Benzene	9.25	91	312341	20.519 ug/l	99
68) m/p-Xylenes	9.38	106	298878	51.144 ug/l	98
69) o-Xylene	9.78	106	4336	0.759 ug/l	89
73) Isopropylbenzene	10.17	105	463551	29.594 ug/l	99
76) 1,2,3-Trichloropropane	10.59	75	5649	1.117 ug/l #	1
78) n-propylbenzene	10.59	91	880952	48.186 ug/l	100
79) 2-Chlorotoluene	10.68	91	462531	43.194 ug/l #	40
80) 1,3,5-Trimethylbenzene	10.78	105	1680700	126.342 ug/l	98
81) trans-1,4-Dichloro-2-buten	10.59	75	5649	2.801 ug/l #	100
82) 4-Chlorotoluene	10.78	91	175569	13.909 ug/l #	44
83) tert-Butylbenzene	11.15	119	638062	48.275 ug/l #	64
84) 1,2,4-Trimethylbenzene	11.15	105	5207975	386.334 ug/l	98
85) sec-Butylbenzene	11.33	105	187368	11.611 ug/l	99
86) p-Isopropyltoluene	11.48	119	214198	14.824 ug/l	99

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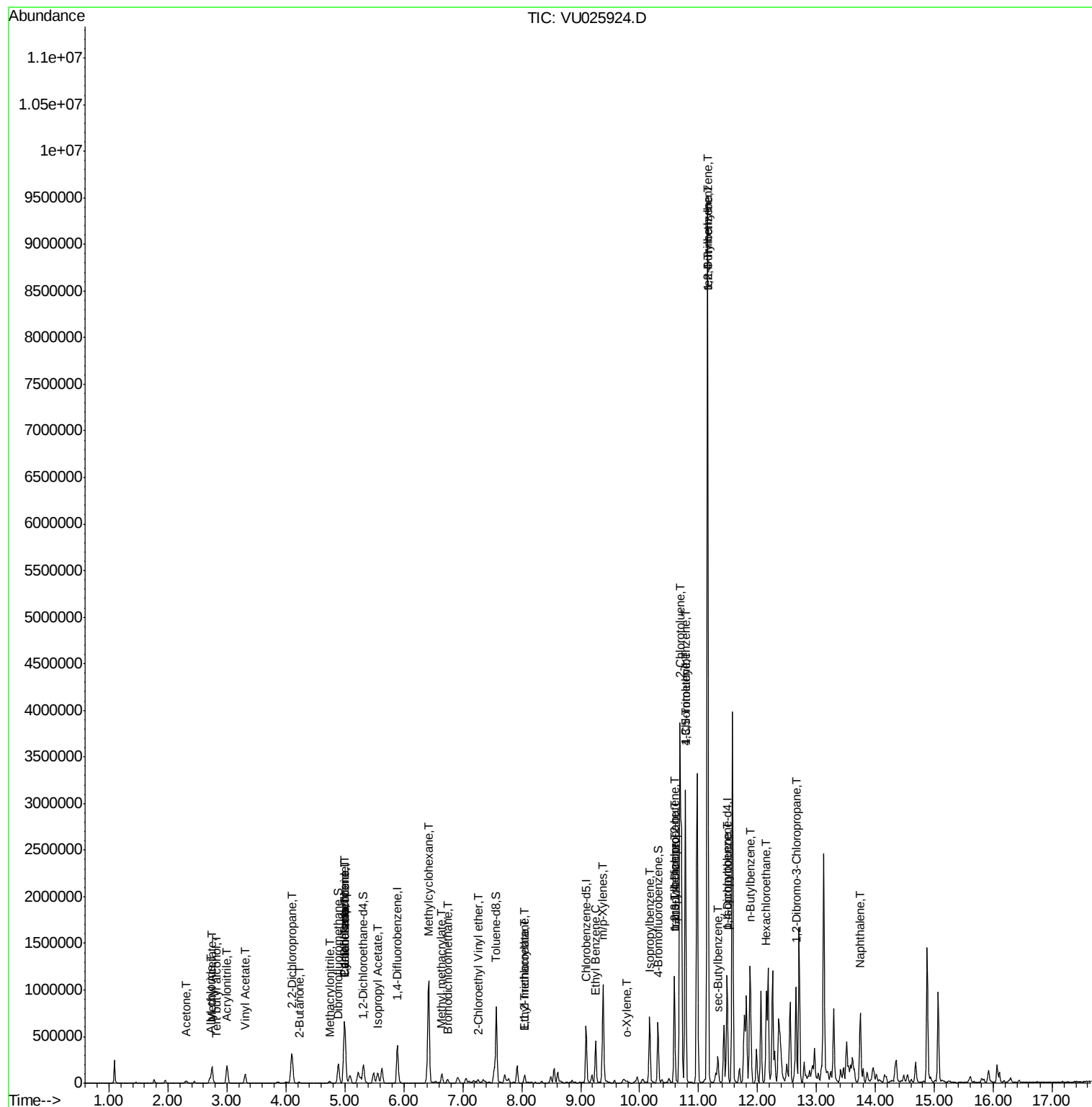
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	11.88	91	207508	15.562	ug/l #	10
90) Hexachloroethane	12.15	117	47904	18.646	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.65	75	4286	3.338	ug/l #	1
95) Naphthalene	13.74	128	567985	33.747	ug/l	99

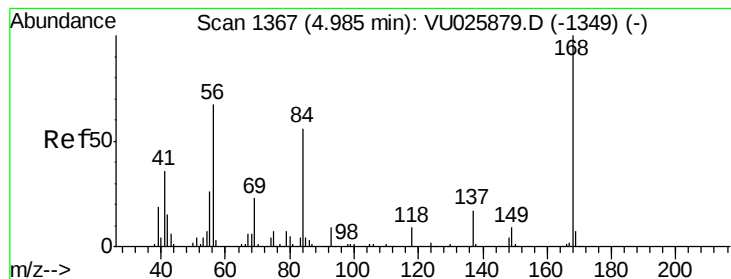
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

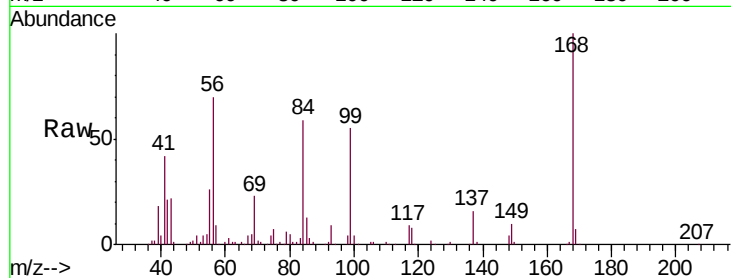
FL-0532

Tgt Ion:168 Resp: 224291

Ion Ratio Lower Upper

168 100

99 55.0 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

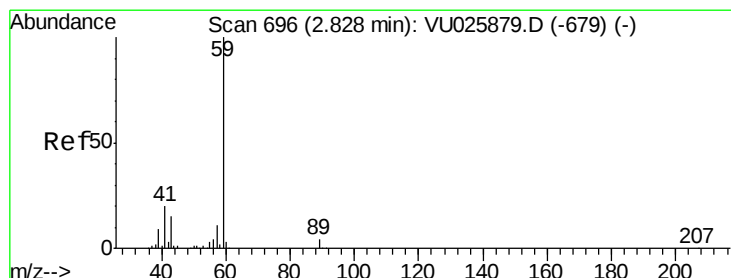
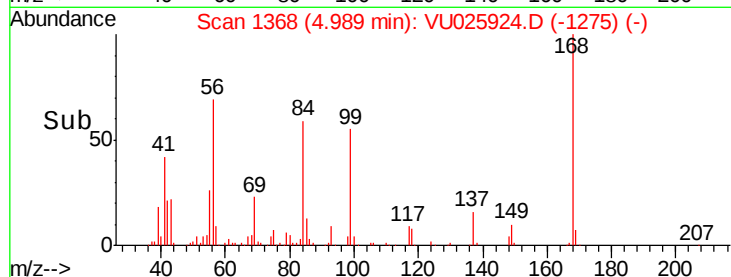
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.855 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU025924.D

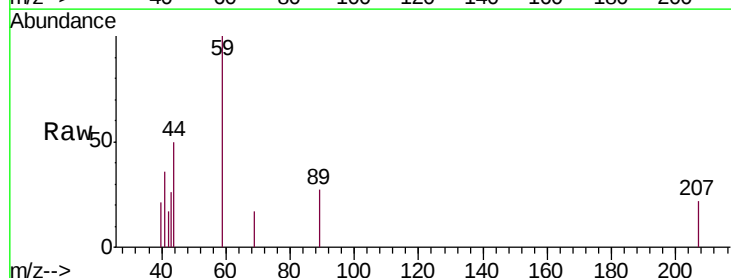
Acq: 07 Aug 2018 06:58

Tgt Ion: 59 Resp: 1419

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) (-)

2.83

4000

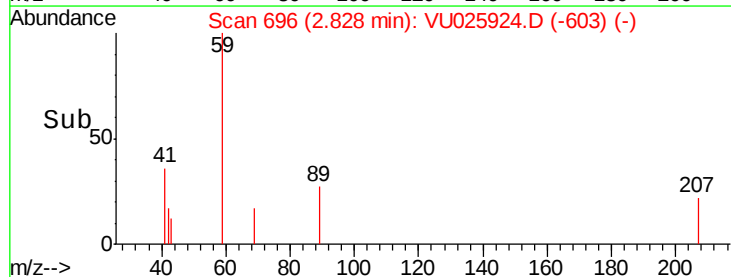
3000

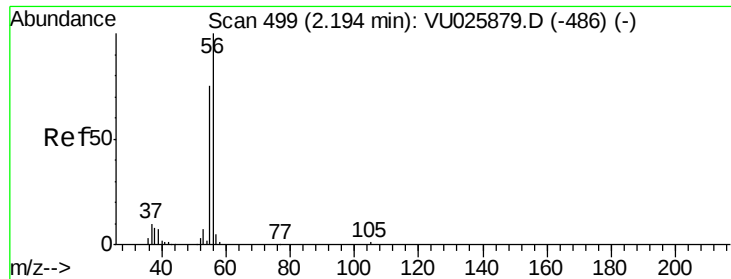
2000

1000

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.09 min Scan# 467

Delta R.T. -0.10 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

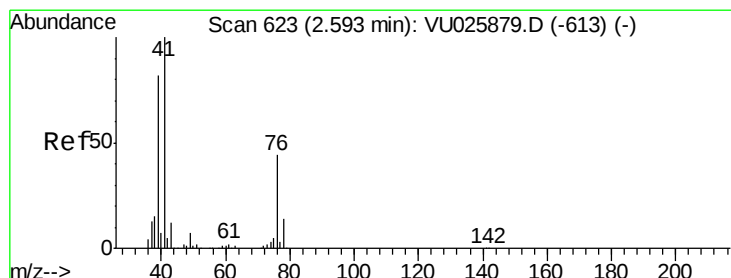
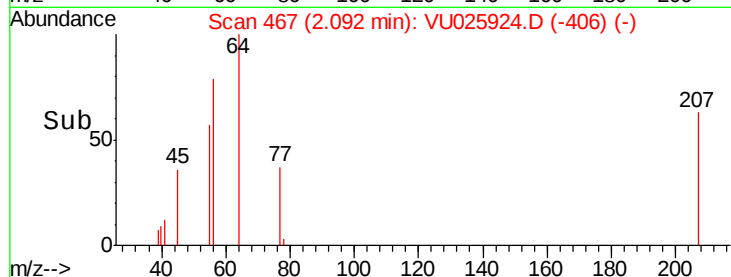
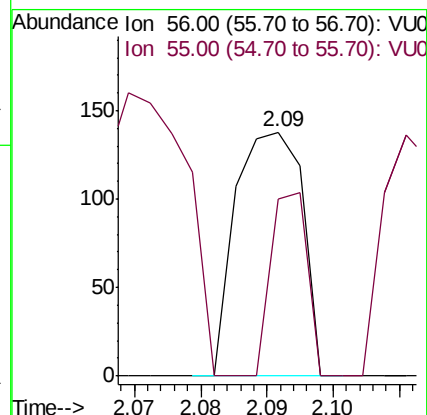
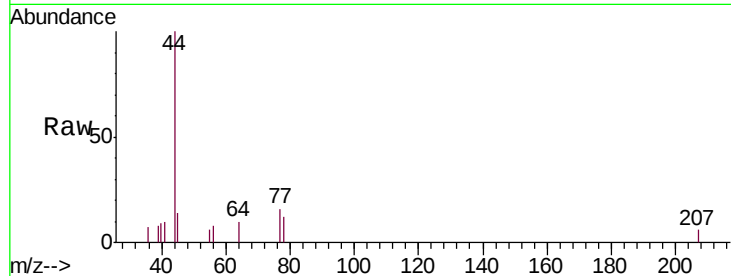
FL-0532

Tgt Ion: 56 Resp: 96

Ion Ratio Lower Upper

56 100

55 144.8 57.2 85.8#



#14

Allyl chloride

Concen: 2.762 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.12 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

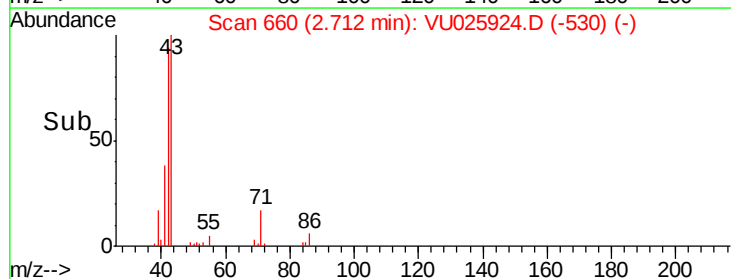
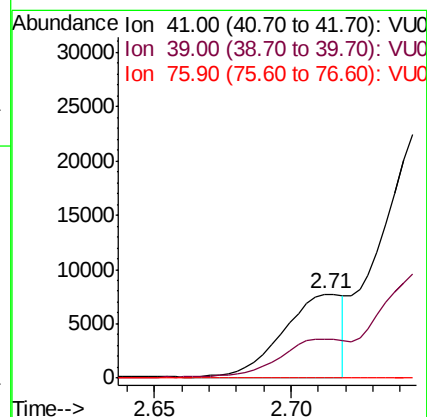
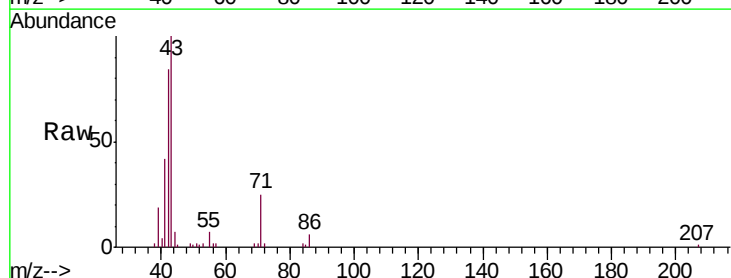
Tgt Ion: 41 Resp: 11952

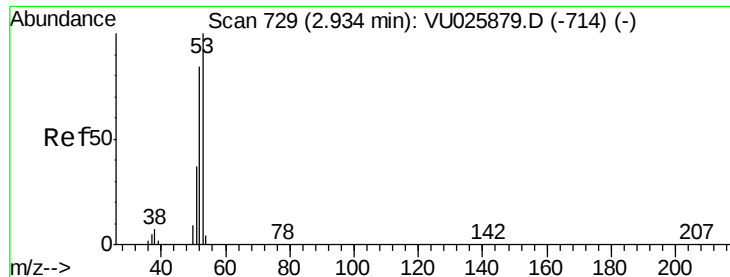
Ion Ratio Lower Upper

41 100

39 54.9 60.6 91.0#

76 0.0 30.5 45.7#





#15

Acrylonitrile

Concen: 2.732 ug/l

RT: 3.00 min Scan# 749

Delta R.T. 0.06 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

FL-0532

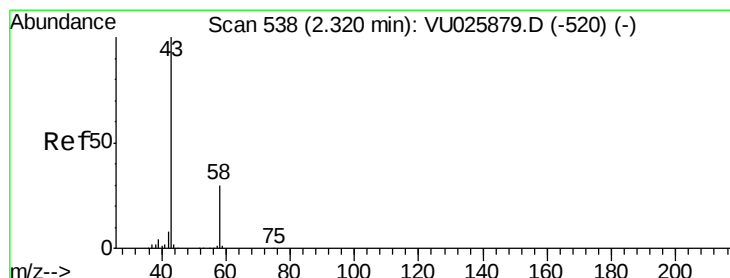
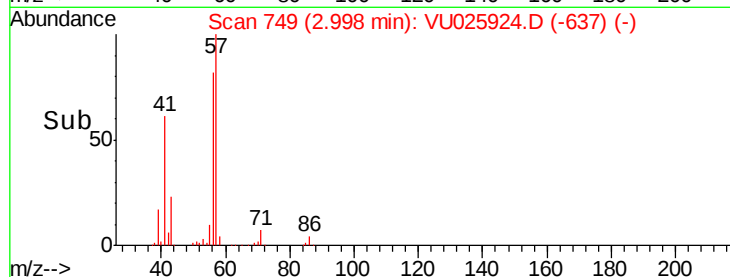
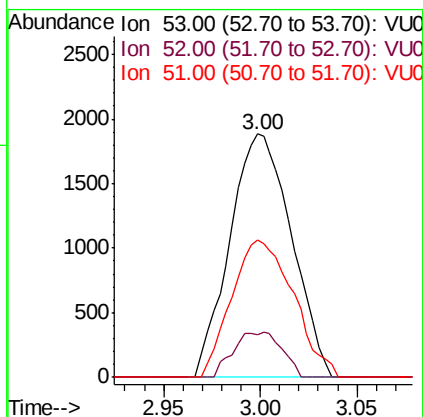
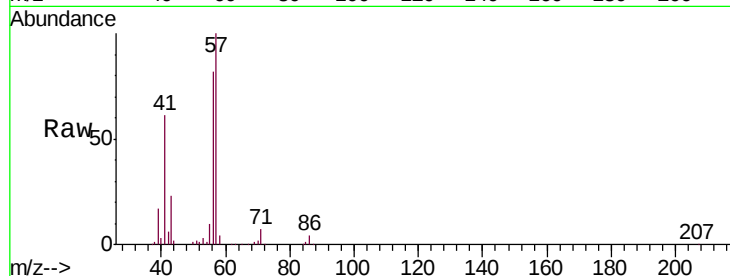
Tgt Ion: 53 Resp: 4174

Ion Ratio Lower Upper

53 100

52 14.6 66.6 99.8#

51 56.7 29.4 44.2#



#16

Acetone

Concen: 6.738 ug/l

RT: 2.31 min Scan# 536

Delta R.T. -0.01 min

Lab File: VU025924.D

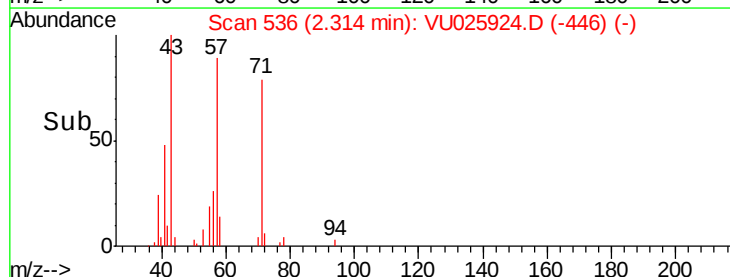
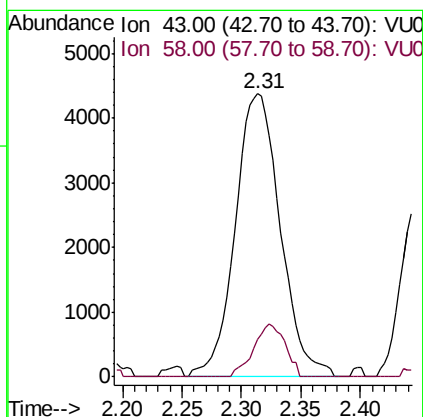
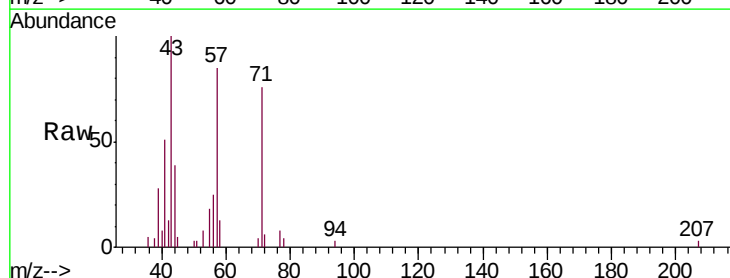
Acq: 07 Aug 2018 06:58

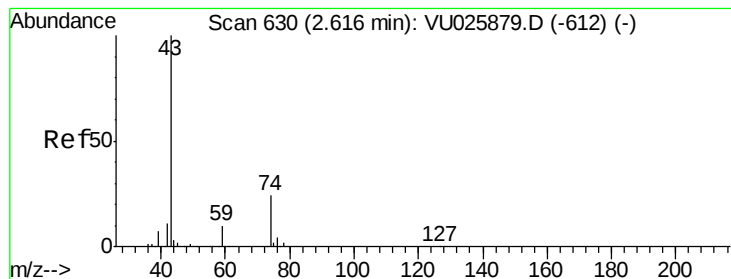
Tgt Ion: 43 Resp: 11480

Ion Ratio Lower Upper

43 100

58 13.2 23.1 34.7#





#18

Methyl Acetate

Concen: 35.073 ug/l

RT: 2.75 min Scan# 671

Delta R.T. 0.13 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

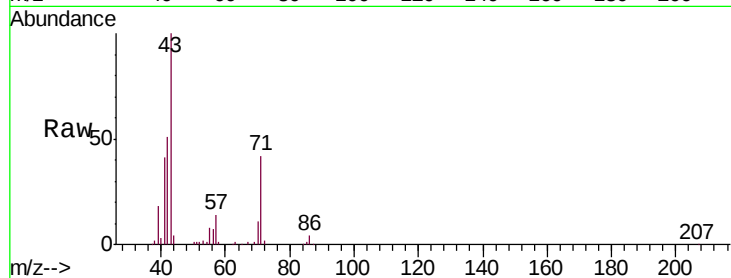
FL-0532

Tgt Ion: 43 Resp: 143828

Ion Ratio Lower Upper

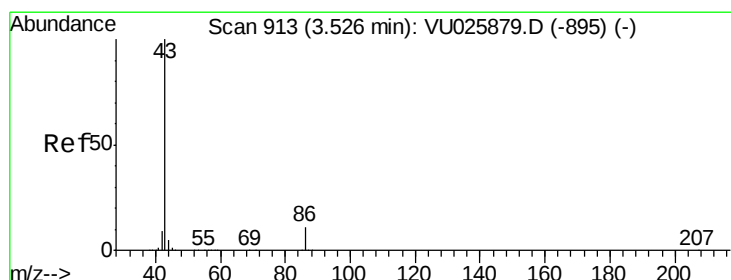
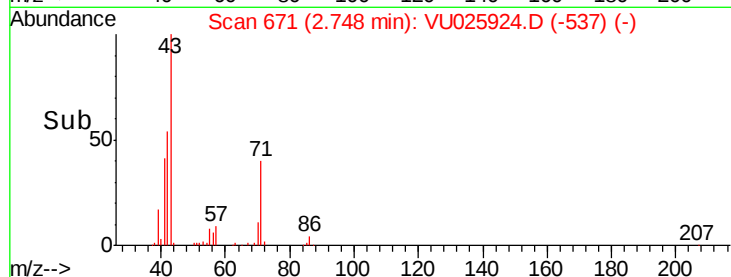
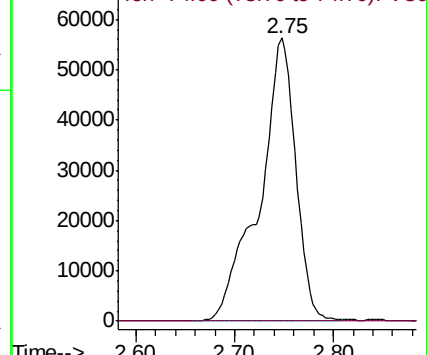
43 100

74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#23

Vinyl Acetate

Concen: 4.257 ug/l

RT: 3.31 min Scan# 846

Delta R.T. -0.22 min

Lab File: VU025924.D

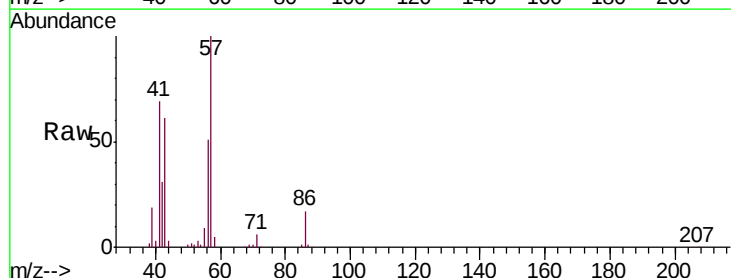
Acq: 07 Aug 2018 06:58

Tgt Ion: 43 Resp: 31636

Ion Ratio Lower Upper

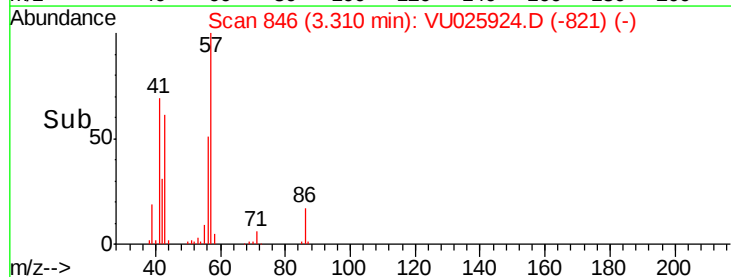
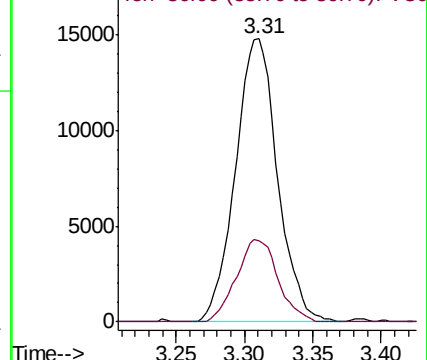
43 100

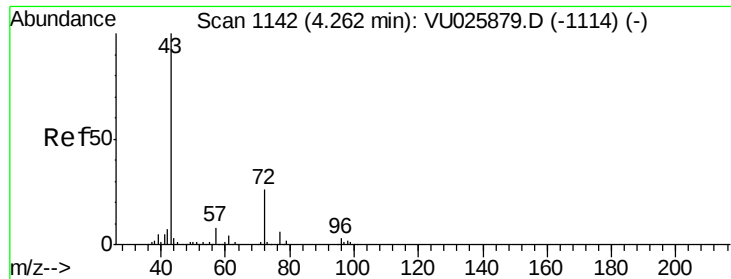
86 28.7 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0





#25

2-Butanone

Concen: 0.622 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.04 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

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ClientSampleId :

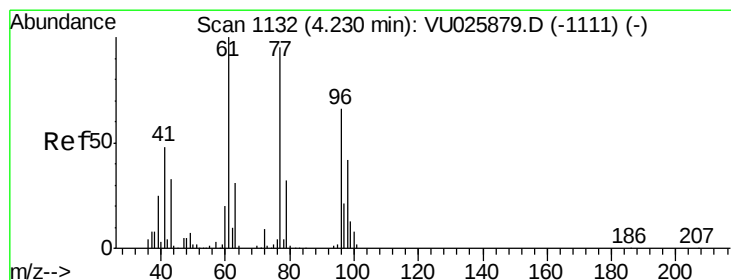
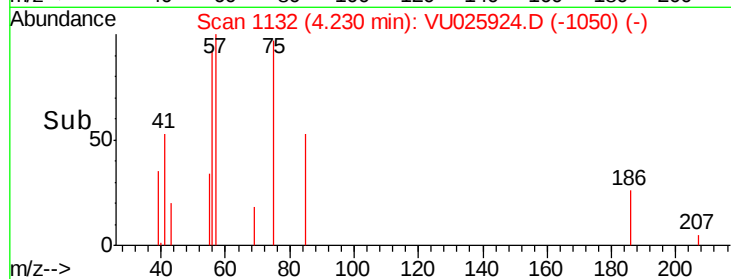
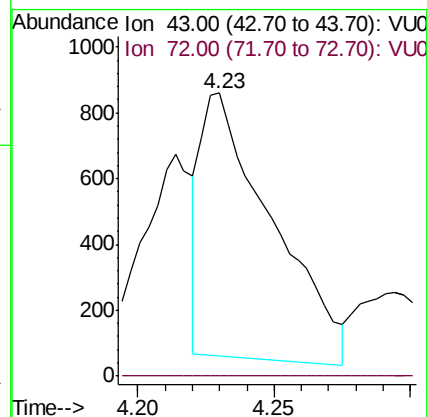
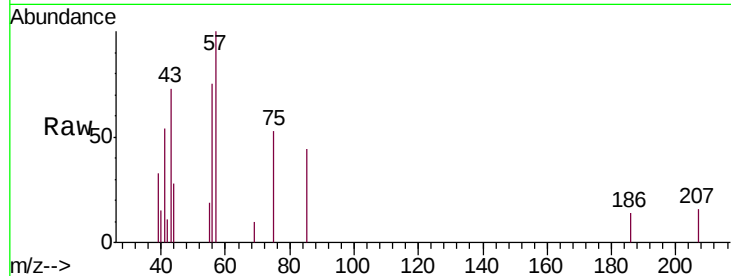
FL-0532

Tgt Ion: 43 Resp: 1443

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 0.426 ug/l

RT: 4.09 min Scan# 1090

Delta R.T. -0.13 min

Lab File: VU025924.D

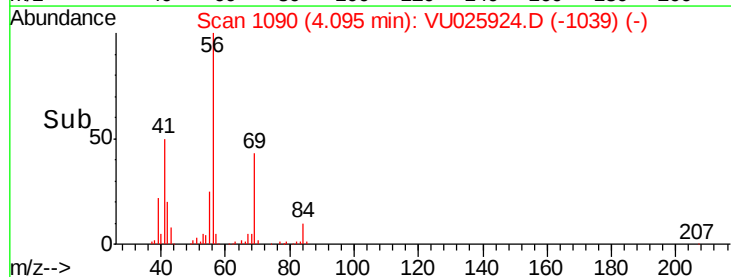
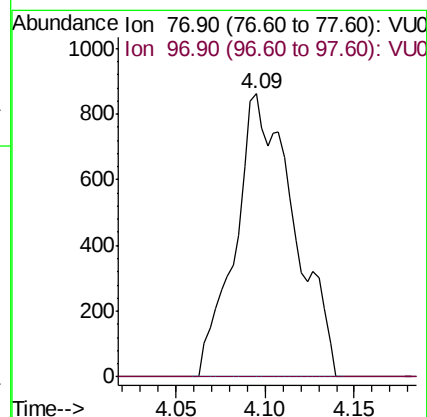
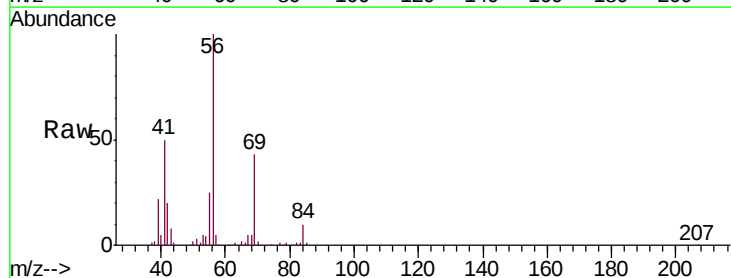
Acq: 07 Aug 2018 06:58

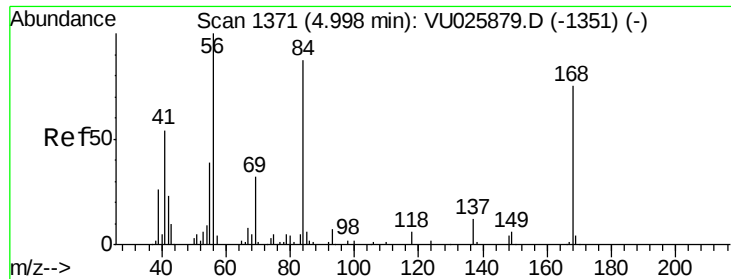
Tgt Ion: 77 Resp: 1981

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#

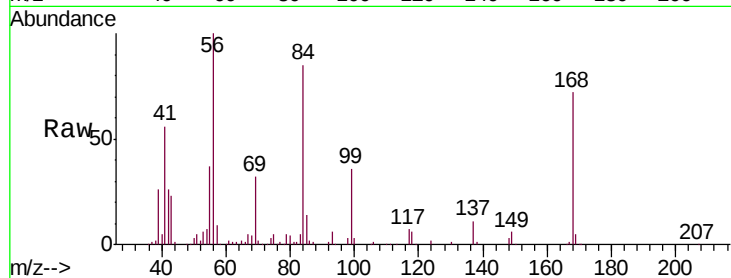




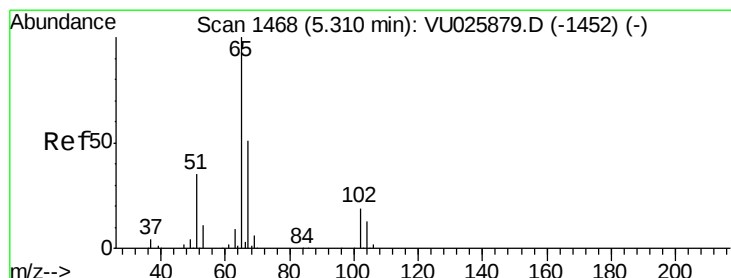
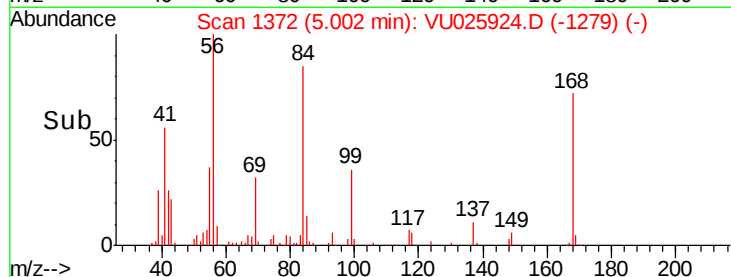
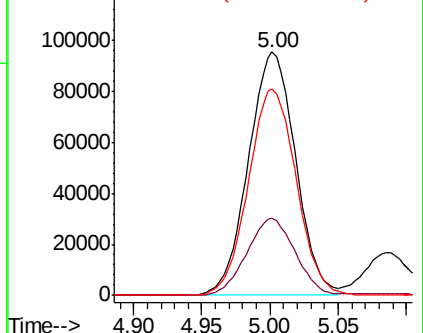
#31
Cyclohexane
Concen: 51.585 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

Instrument :
MSVOA_U
ClientSampleId :
FL-0532

Tgt Ion: 56 Resp: 229527
Ion Ratio Lower Upper
56 100
69 31.8 26.8 40.2
84 84.9 69.7 104.5

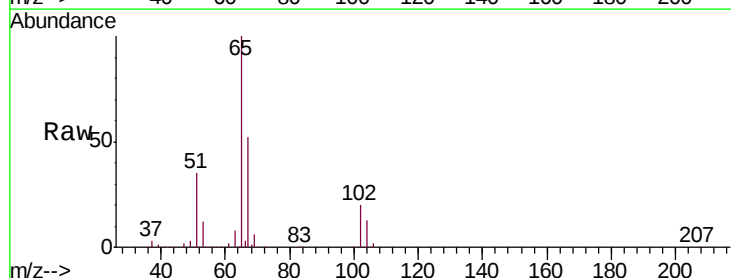


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

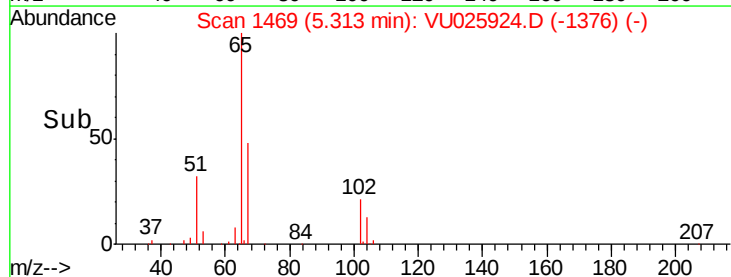
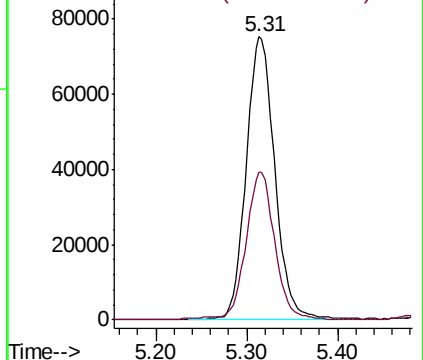


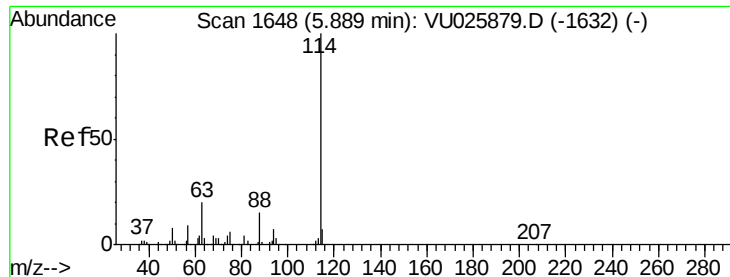
#33
1,2-Dichloroethane-d4
Concen: 46.752 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

Tgt Ion: 65 Resp: 163383
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.6



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

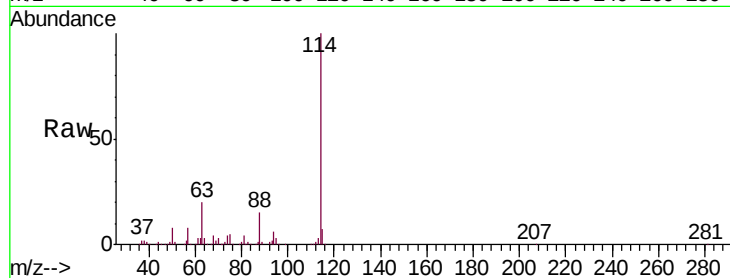




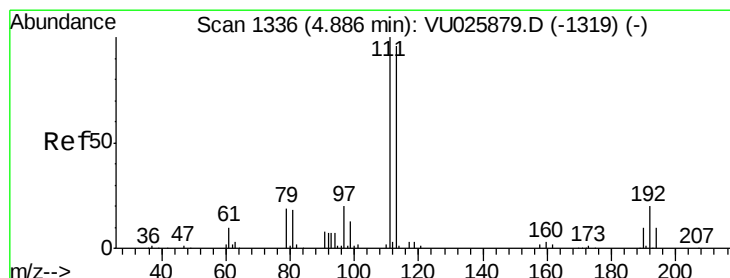
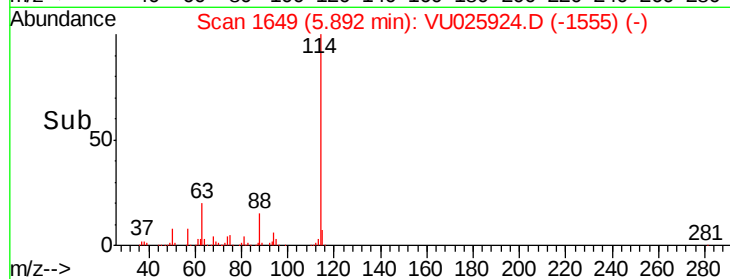
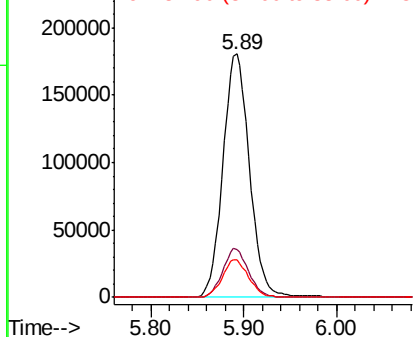
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0532

Tgt Ion:114 Resp: 359371
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.6
 88 15.2 0.0 32.4

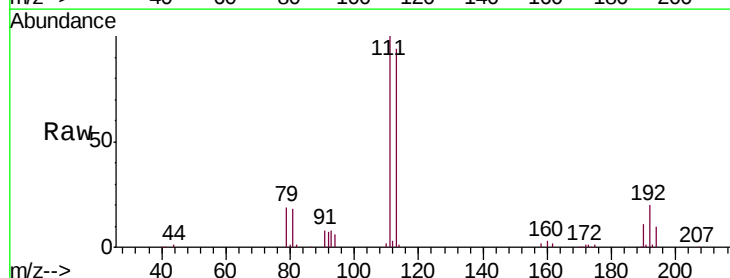


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

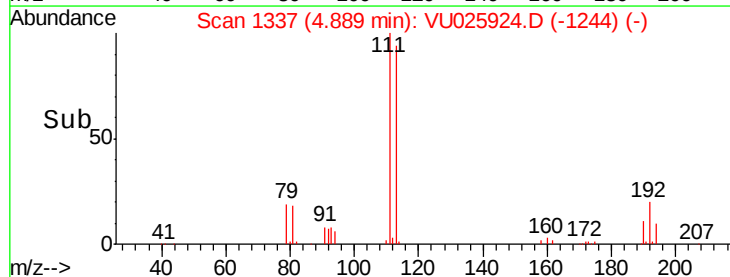
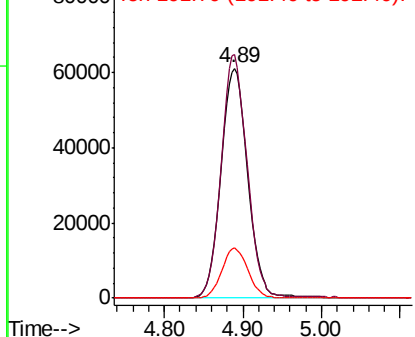


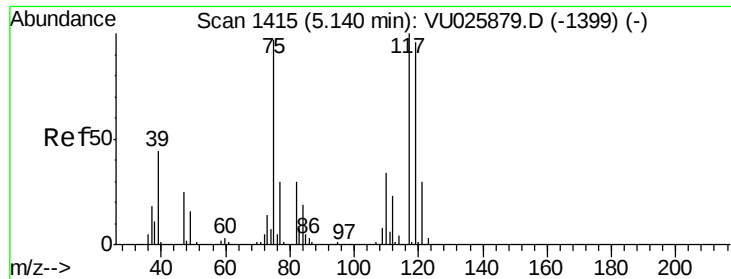
#35
 Dibromofluoromethane
 Concen: 46.033 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

Tgt Ion:113 Resp: 143881
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.7 122.5
 192 21.2 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: 3.777 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

FL-0532

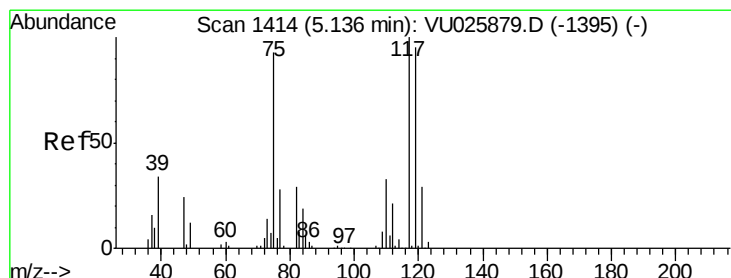
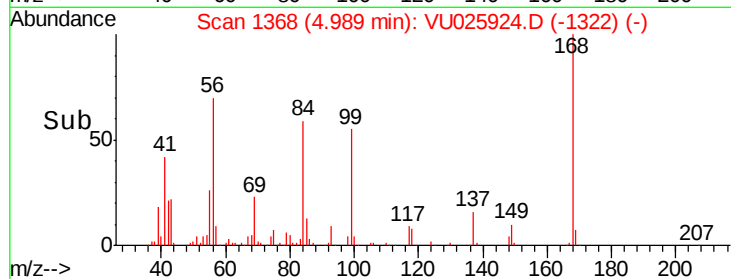
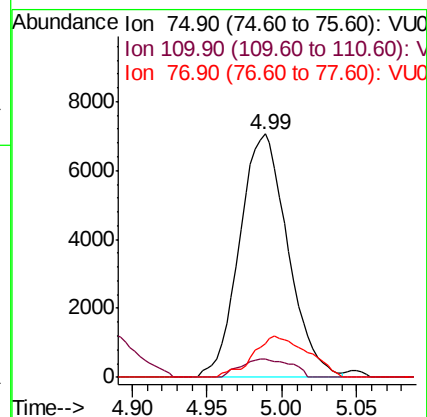
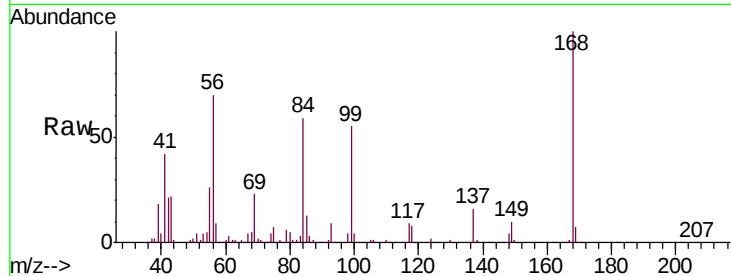
Tgt Ion: 75 Resp: 15863

Ion Ratio Lower Upper

75 100

110 7.8 17.6 52.9#

77 19.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.327 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

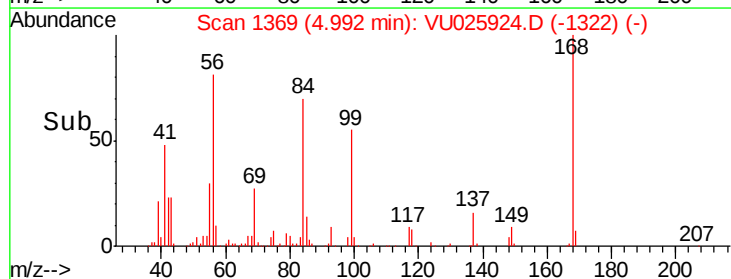
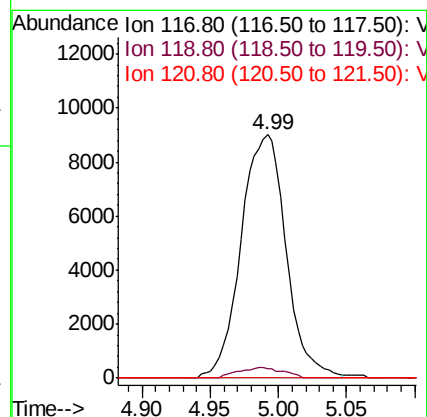
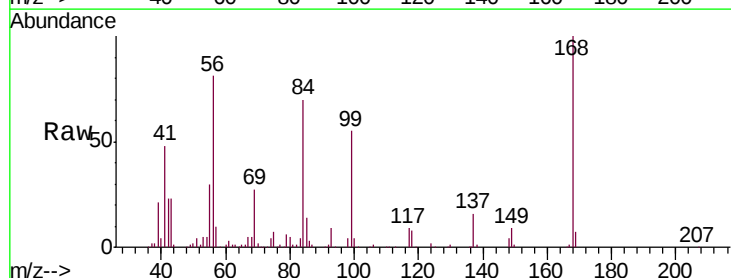
Tgt Ion: 117 Resp: 20584

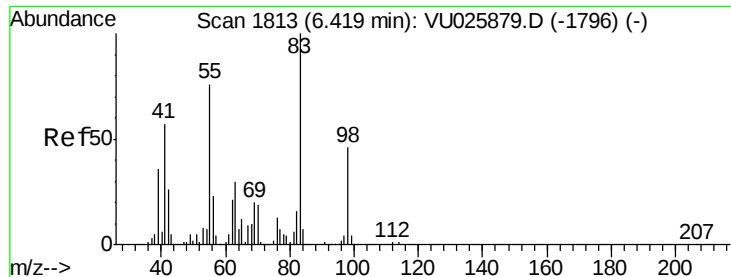
Ion Ratio Lower Upper

117 100

119 4.1 75.7 113.5#

121 0.0 24.6 36.8#

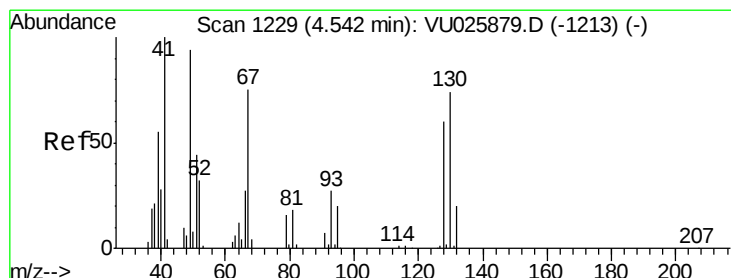
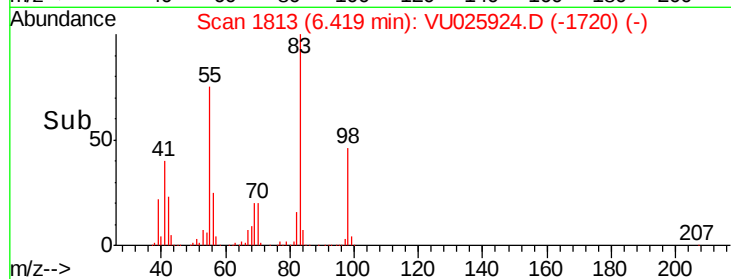
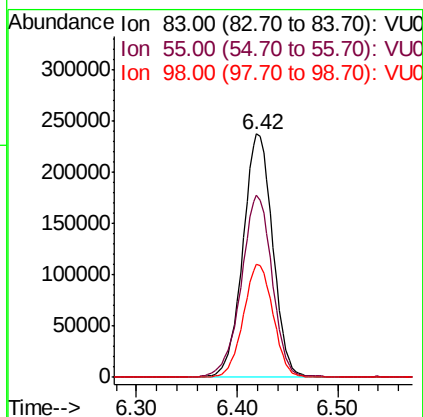
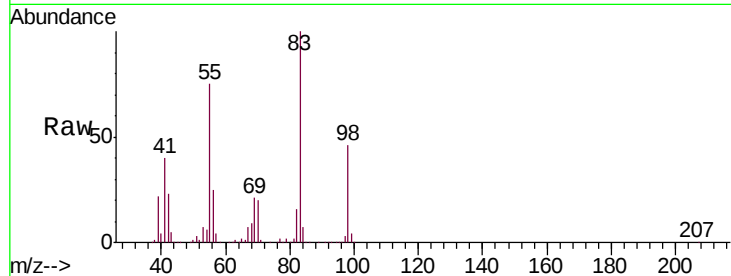




#39
Methylcyclohexane
Concen: 100.566 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

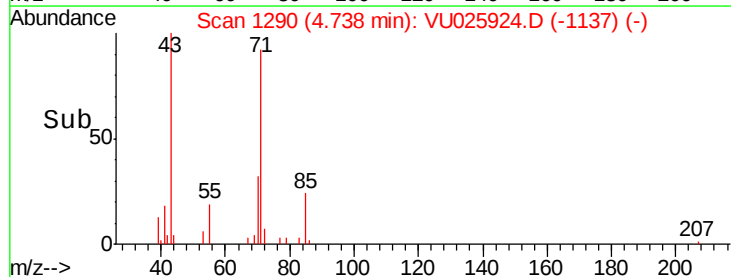
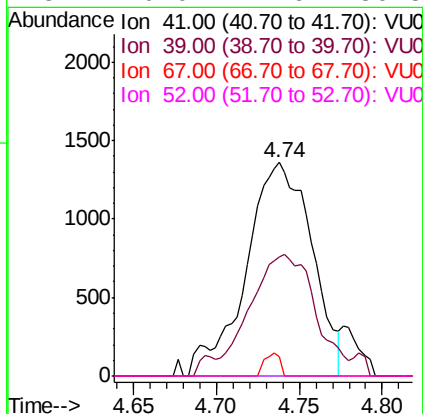
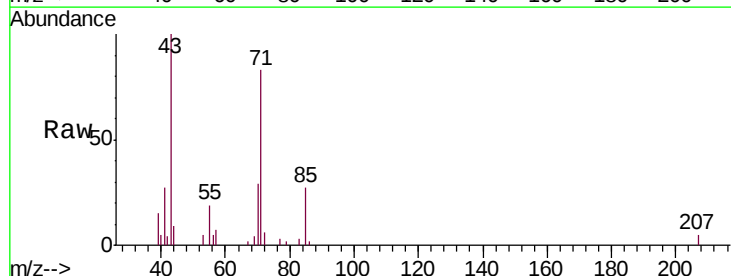
Instrument :
MSVOA_U
ClientSampleId :
FL-0532

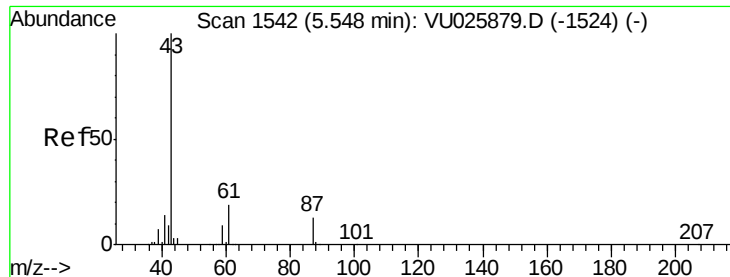
Tgt Ion: 83 Resp: 483934
Ion Ratio Lower Upper
83 100
55 74.7 60.0 90.0
98 46.3 36.1 54.1



#41
Methacrylonitrile
Concen: 1.552 ug/l
RT: 4.74 min Scan# 1290
Delta R.T. 0.19 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

Tgt Ion: 41 Resp: 3754
Ion Ratio Lower Upper
41 100
39 48.8 44.4 66.6
67 2.5 56.0 84.0#
52 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 0.985 ug/l

RT: 5.54 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

FL-0532

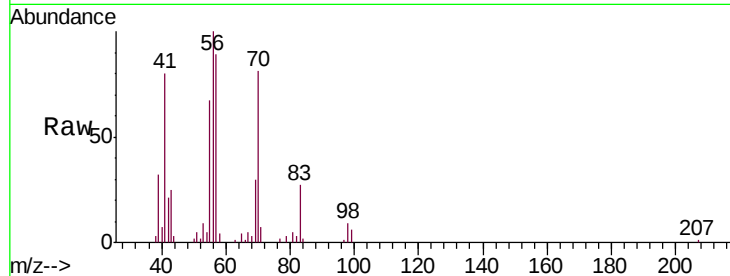
Tgt Ion: 43 Resp: 7090

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

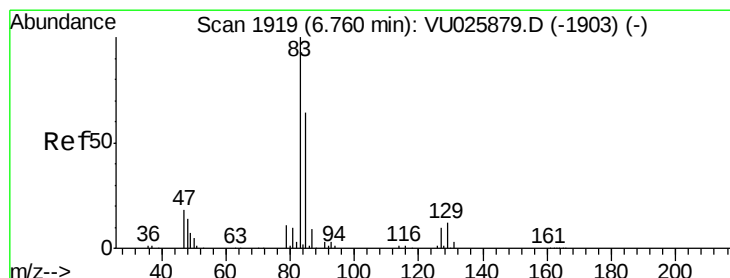
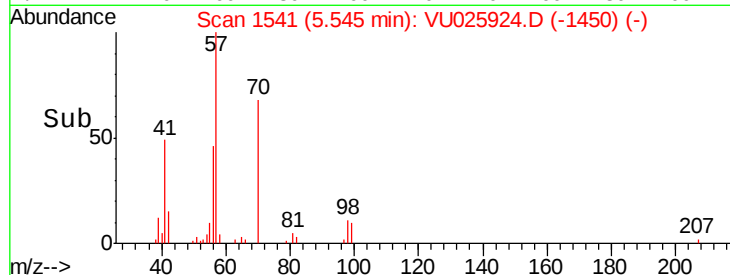
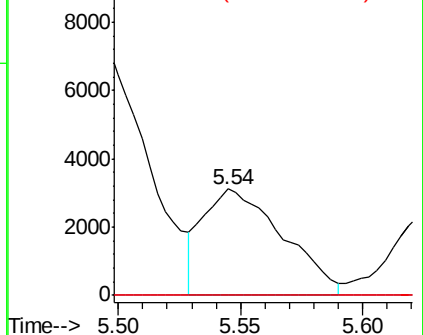
87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#47

Bromodichloromethane

Concen: 0.261 ug/l

RT: 6.74 min Scan# 1914

Delta R.T. -0.02 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

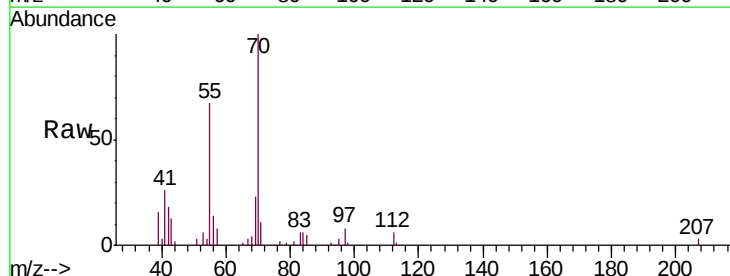
Tgt Ion: 83 Resp: 1154

Ion Ratio Lower Upper

83 100

85 90.9 50.2 75.4#

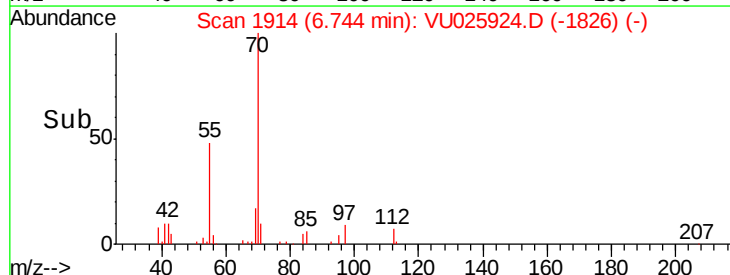
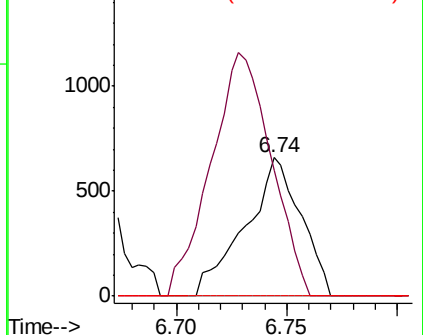
127 0.0 7.2 10.8#

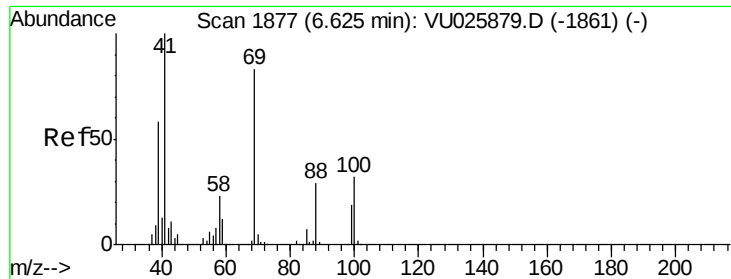


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V

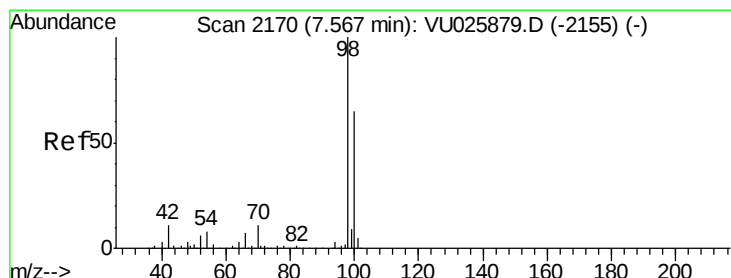
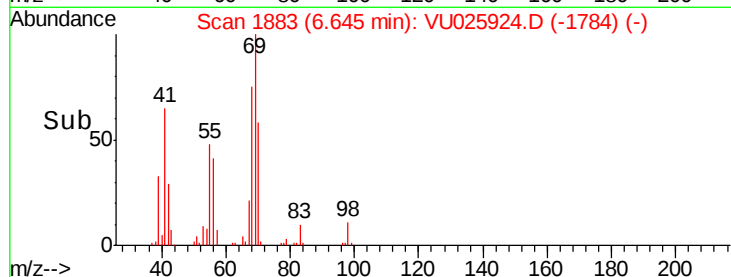
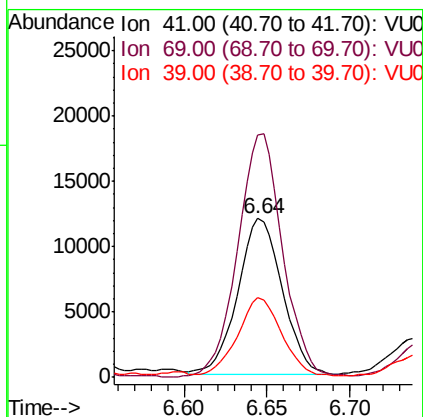
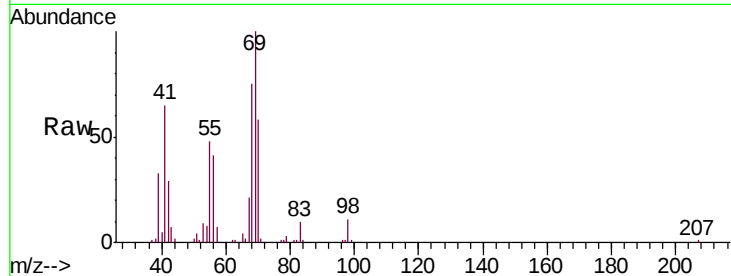




#48
Methyl methacrylate
Concen: 6.338 ug/l
RT: 6.64 min Scan# 1883
Delta R.T. 0.02 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

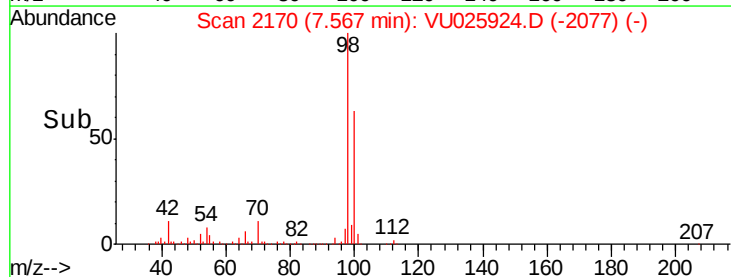
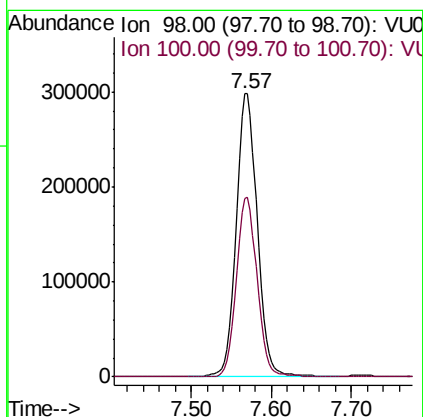
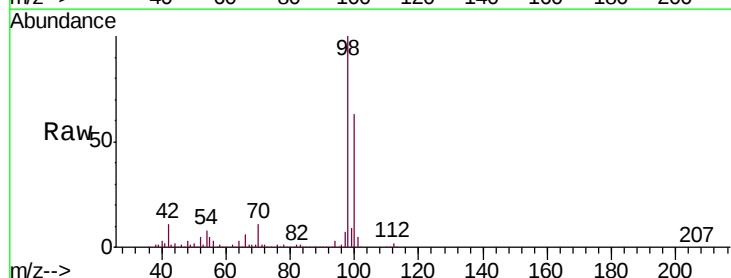
Instrument :
MSVOA_U
ClientSampled :
FL-0532

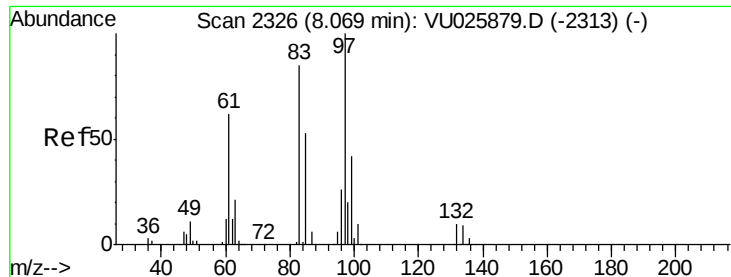
Tgt Ion: 41 Resp: 22354
Ion Ratio Lower Upper
41 100
69 157.6 65.0 97.4#
39 49.4 46.4 69.6



#50
Toluene-d8
Concen: 48.530 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

Tgt Ion: 98 Resp: 530800
Ion Ratio Lower Upper
98 100
100 62.5 51.1 76.7

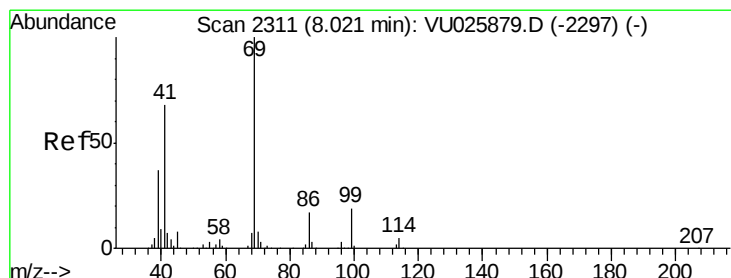
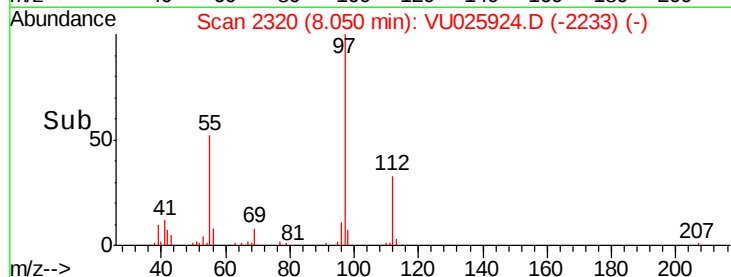
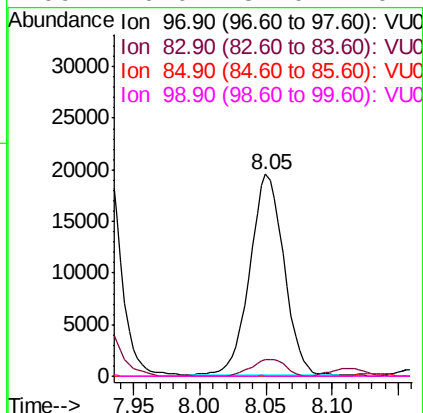
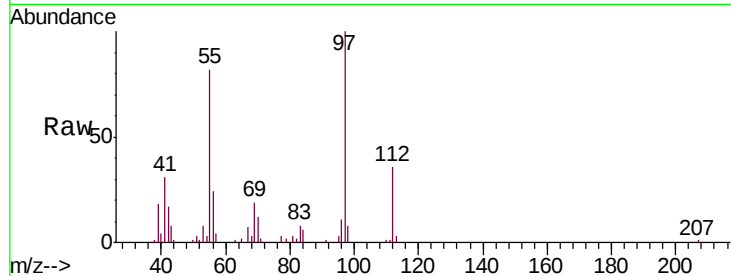




#55
 1,1,2-Trichloroethane
 Concen: 10.868 ug/l
 RT: 8.05 min Scan# 2320
 Delta R.T. -0.02 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

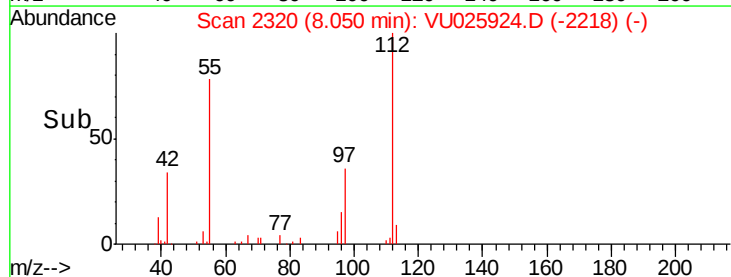
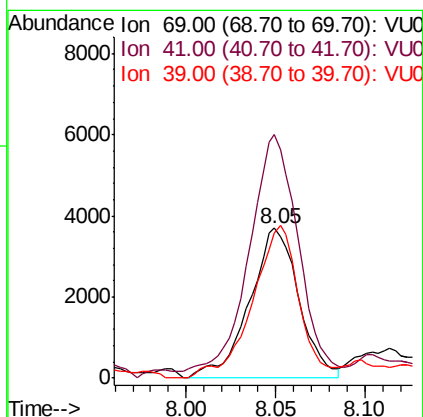
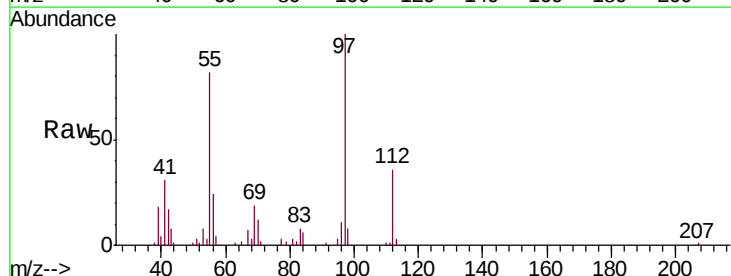
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0532

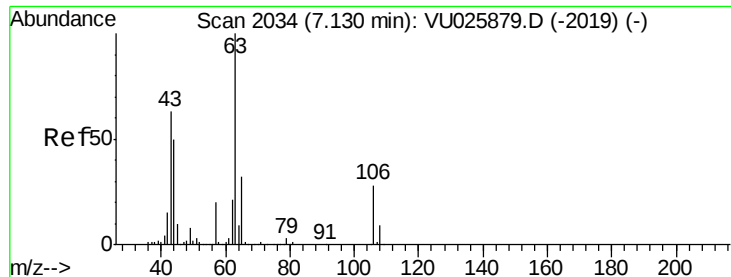
Tgt Ion: 97 Resp: 34445
 Ion Ratio Lower Upper
 97 100
 83 7.9 68.9 103.3#
 85 0.0 44.4 66.6#
 99 0.0 51.0 76.4#



#56
 Ethyl methacrylate
 Concen: 1.578 ug/l
 RT: 8.05 min Scan# 2320
 Delta R.T. 0.03 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

Tgt Ion: 69 Resp: 7148
 Ion Ratio Lower Upper
 69 100
 41 153.1 54.8 82.2#
 39 95.2 31.1 46.7#

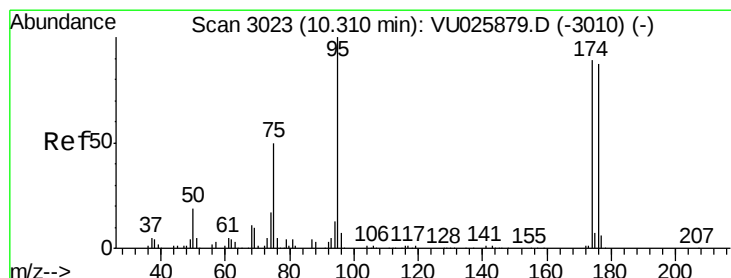
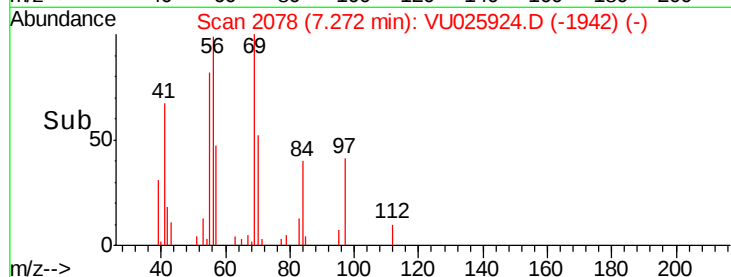
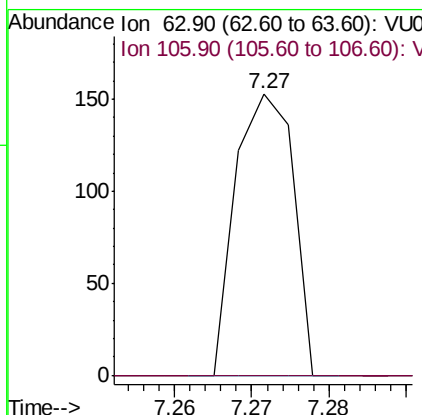
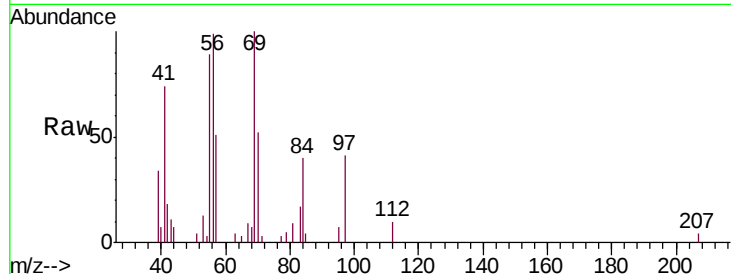




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.114 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.14 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

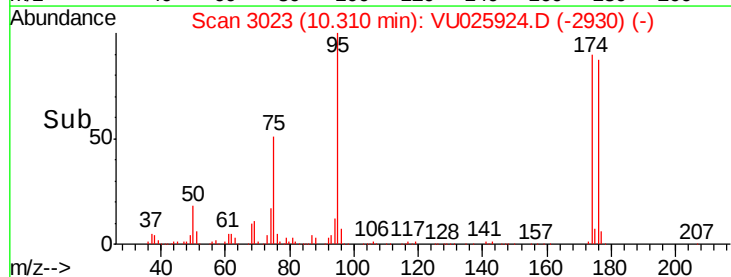
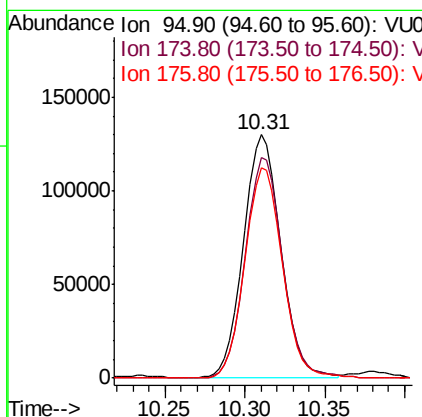
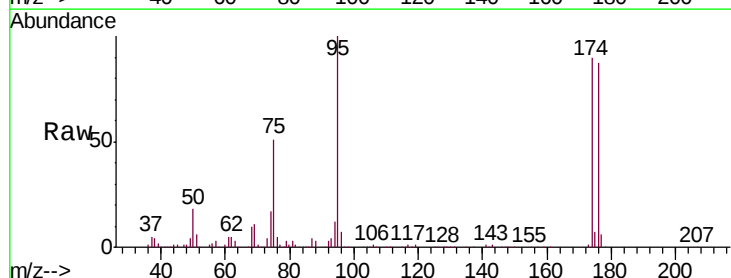
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0532

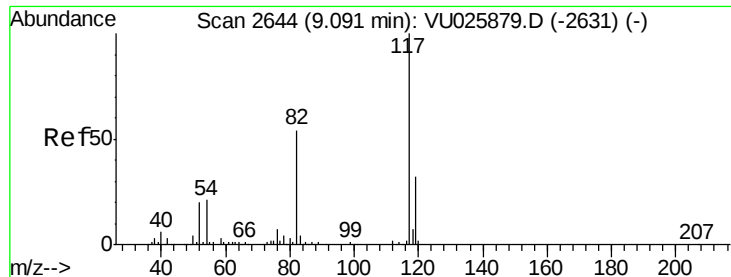
Tgt Ion: 63 Resp: 79
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.3 33.5#



#62
 4-Bromofluorobenzene
 Concen: 48.685 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

Tgt Ion: 95 Resp: 206684
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 172.2
 176 87.5 0.0 162.6

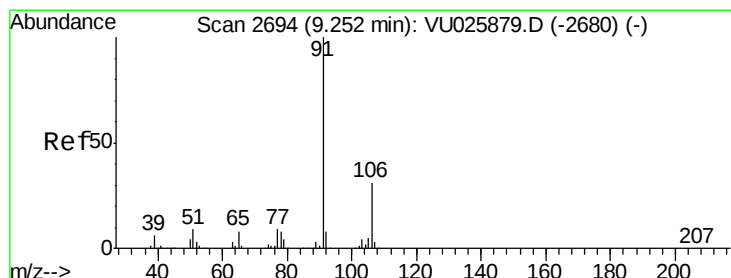
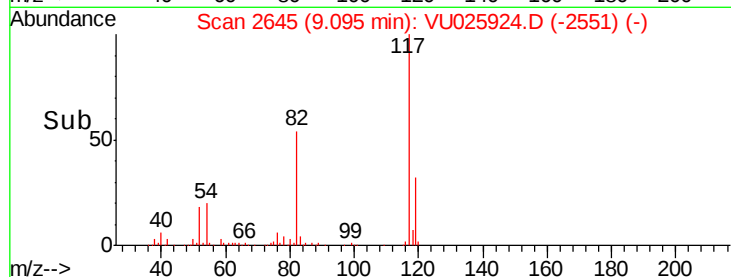
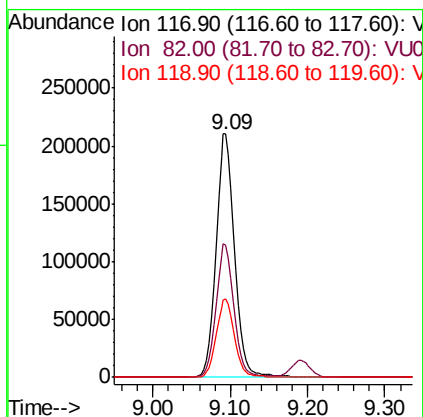
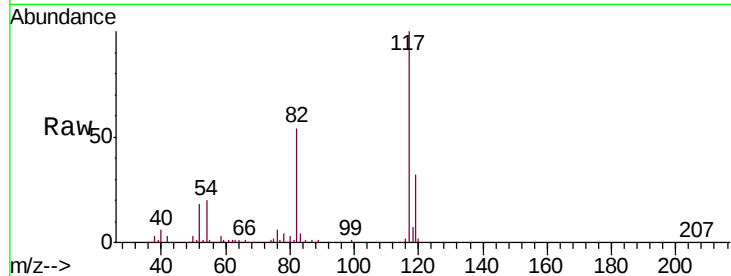




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

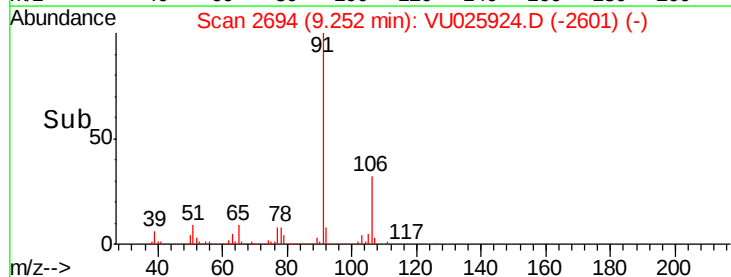
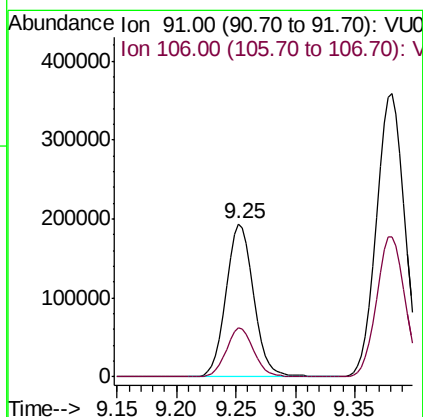
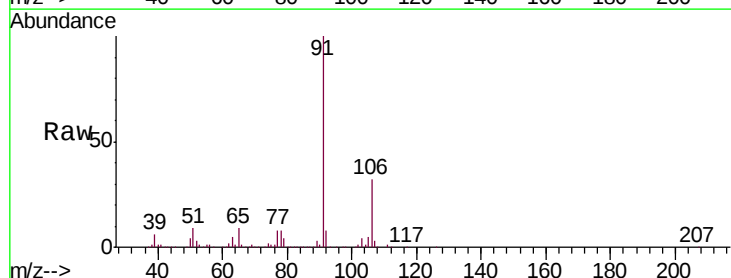
Instrument :
MSVOA_U
ClientSampled :
FL-0532

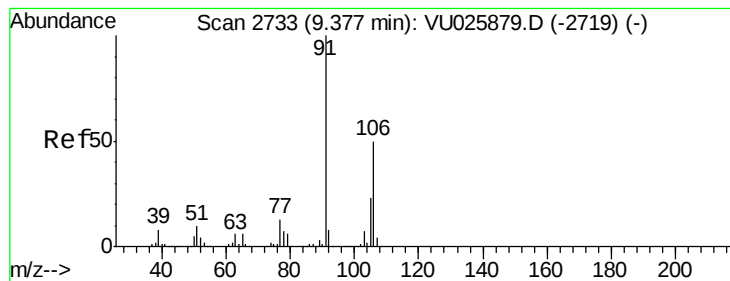
Tgt Ion:117 Resp: 356421
Ion Ratio Lower Upper
117 100
82 54.1 46.0 69.0
119 32.2 26.0 39.0



#67
Ethyl Benzene
Concen: 20.519 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

Tgt Ion: 91 Resp: 312341
Ion Ratio Lower Upper
91 100
106 32.1 25.3 37.9





#68

m/p-Xylenes

Concen: 51.144 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

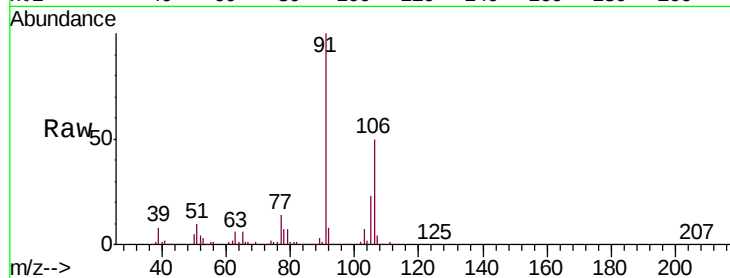
FL-0532

Tgt Ion:106 Resp: 298878

Ion Ratio Lower Upper

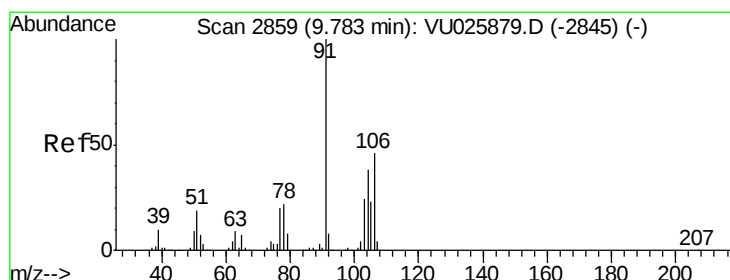
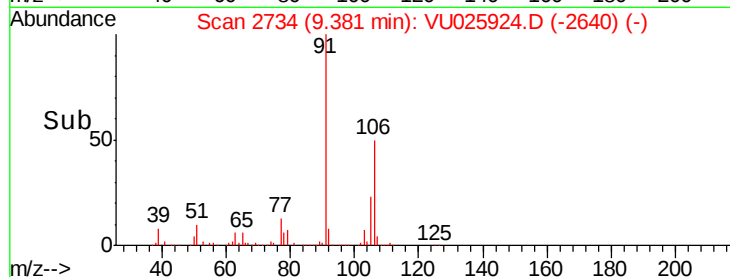
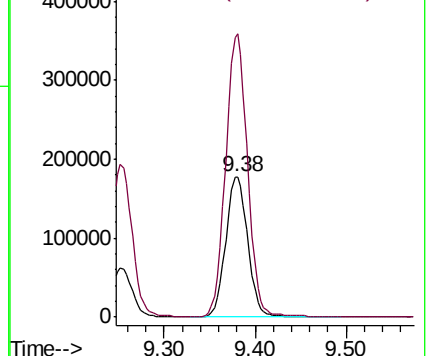
106 100

91 200.3 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 0.759 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025924.D

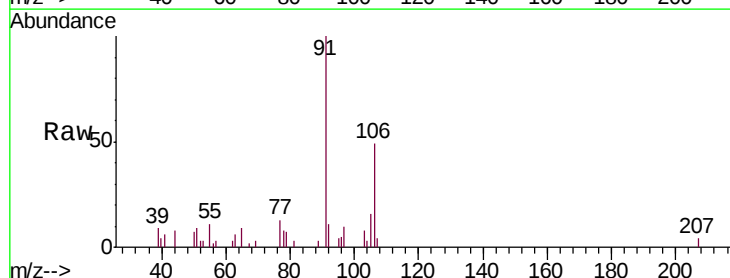
Acq: 07 Aug 2018 06:58

Tgt Ion:106 Resp: 4336

Ion Ratio Lower Upper

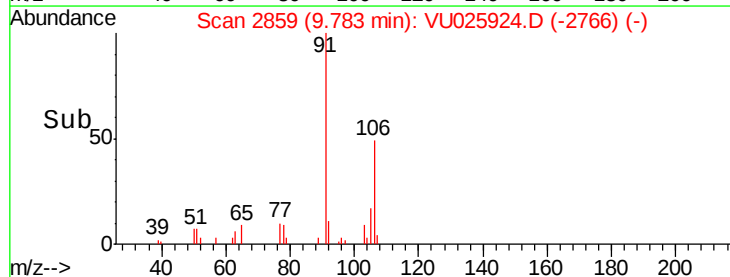
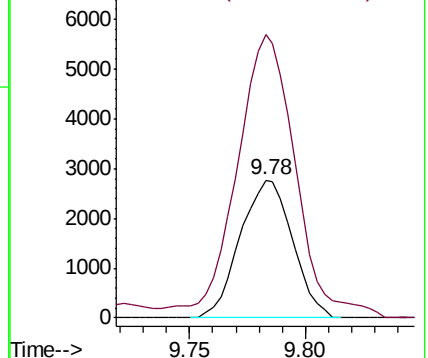
106 100

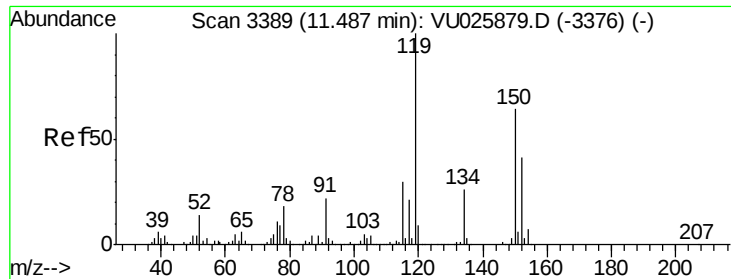
91 227.7 105.3 315.8



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: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

FL-0532

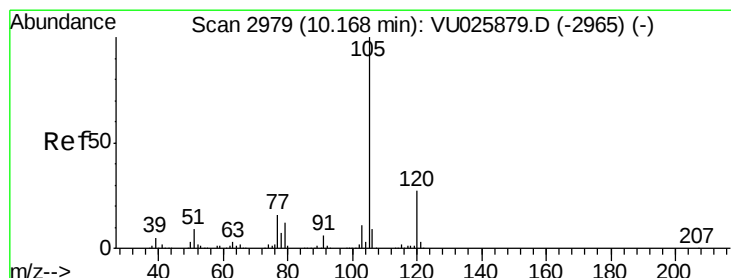
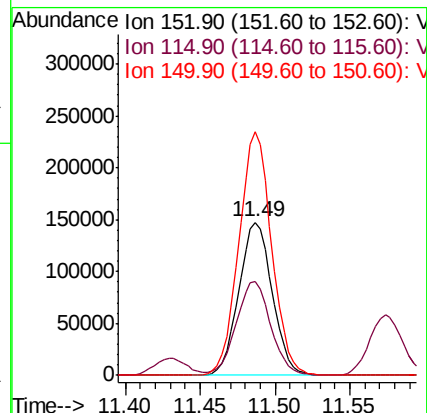
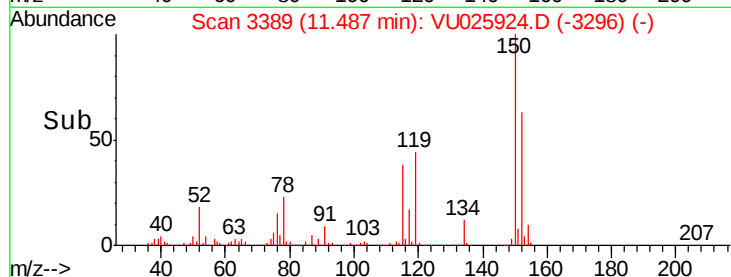
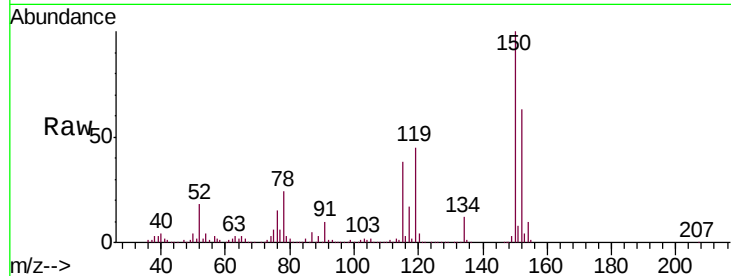
Tgt Ion:152 Resp: 229498

Ion Ratio Lower Upper

152 100

115 62.8 40.1 120.3

150 155.7 0.0 351.4



#73

Isopropylbenzene

Concen: 29.594 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025924.D

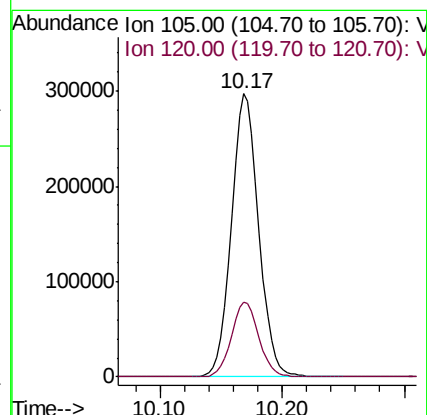
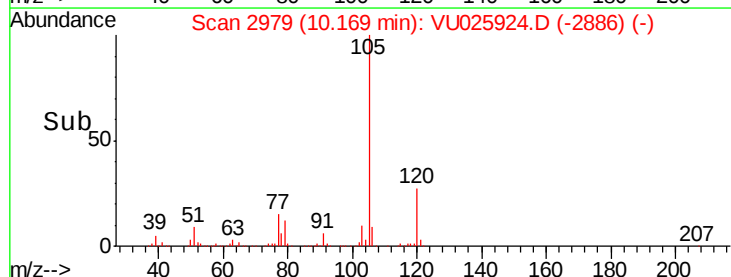
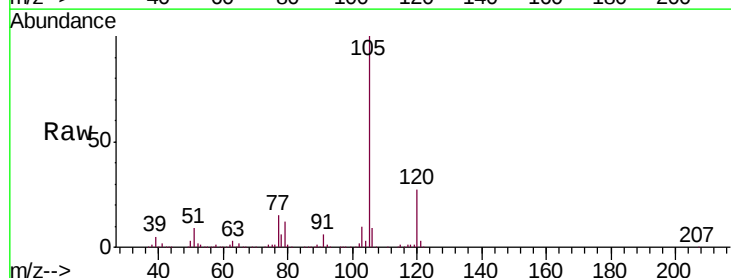
Acq: 07 Aug 2018 06:58

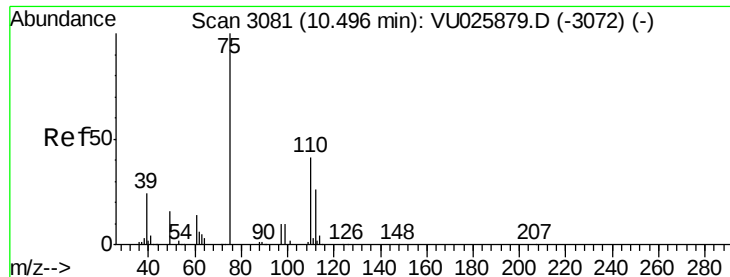
Tgt Ion:105 Resp: 463551

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5





#76

1,2,3-Trichloropropane

Concen: 1.117 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.09 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

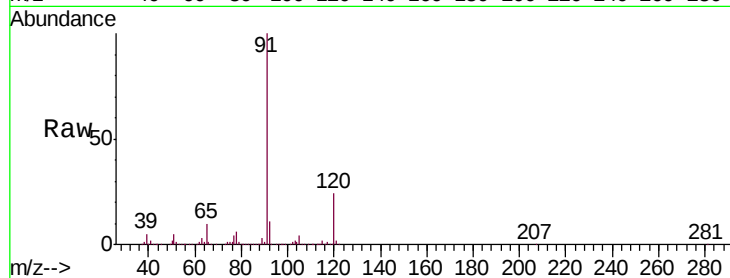
FL-0532

Tgt Ion: 75 Resp: 5649

Ion Ratio Lower Upper

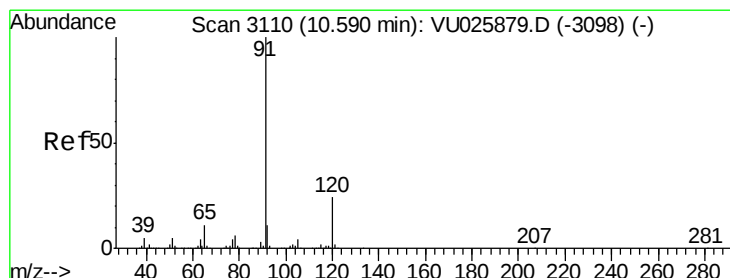
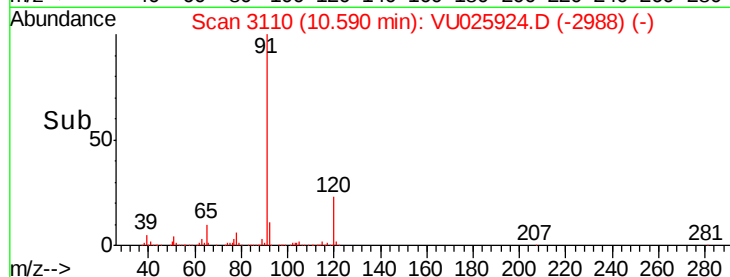
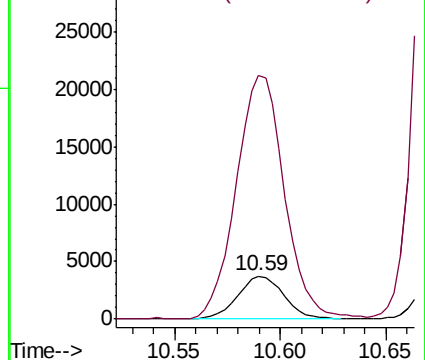
75 100

77 597.5 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: 48.186 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025924.D

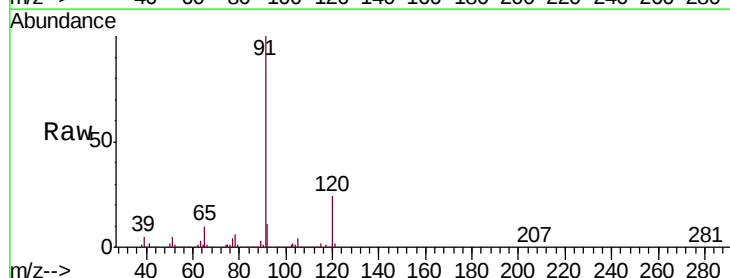
Acq: 07 Aug 2018 06:58

Tgt Ion: 91 Resp: 880952

Ion Ratio Lower Upper

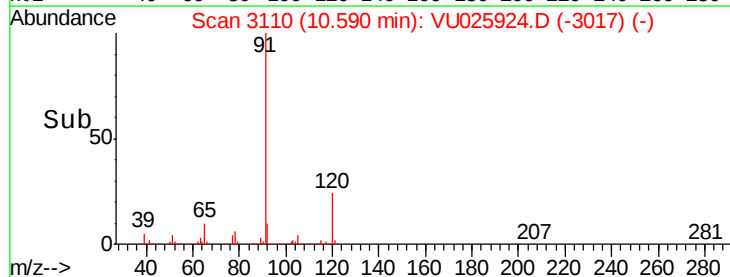
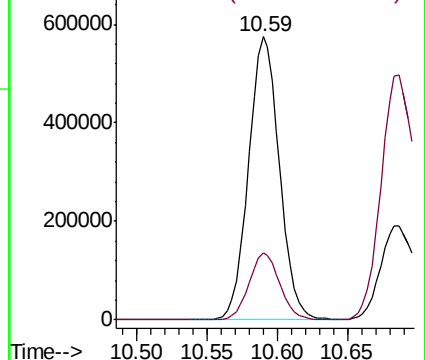
91 100

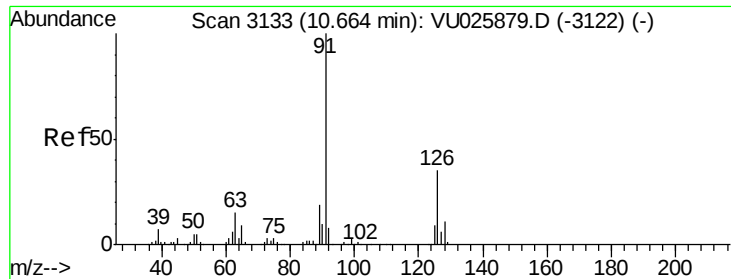
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.194 ug/l

RT: 10.68 min Scan# 3139

Delta R.T. 0.02 min

Lab File: VU025924.D

Acq: 07 Aug 2018 06:58

Instrument :

MSVOA_U

ClientSampleId :

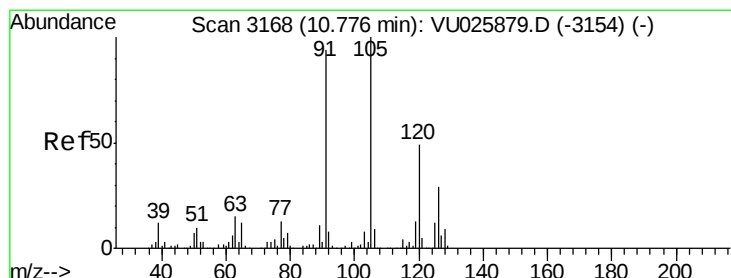
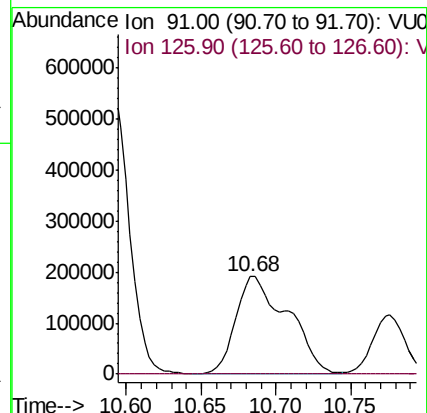
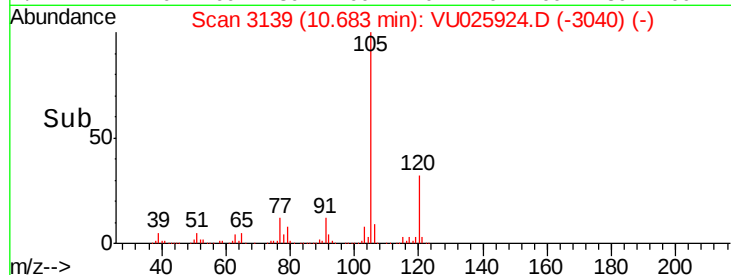
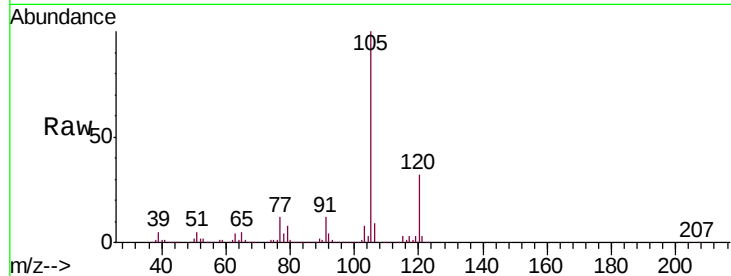
FL-0532

Tgt Ion: 91 Resp: 462531

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.6#



#80

1,3,5-Trimethylbenzene

Concen: 126.342 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025924.D

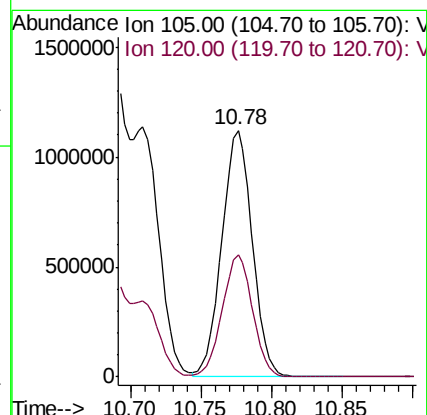
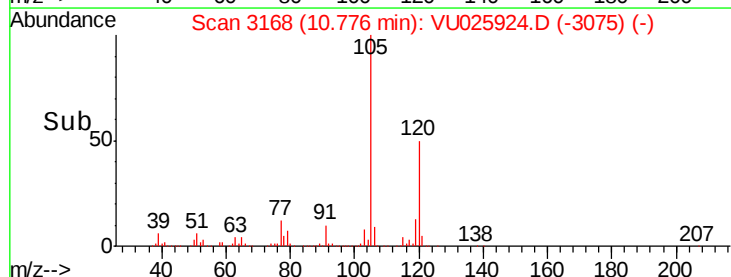
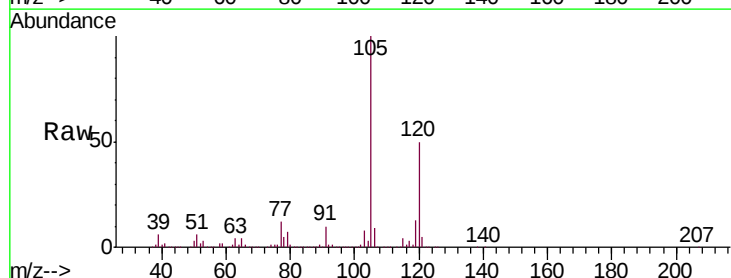
Acq: 07 Aug 2018 06:58

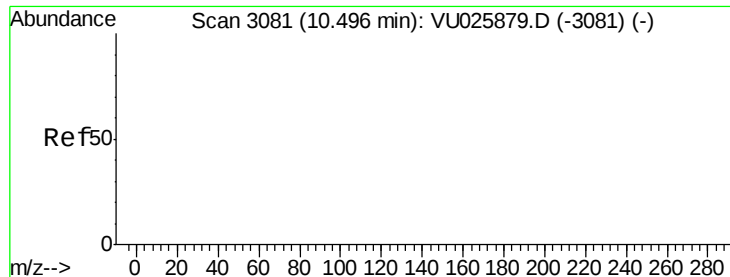
Tgt Ion: 105 Resp: 1680700

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2

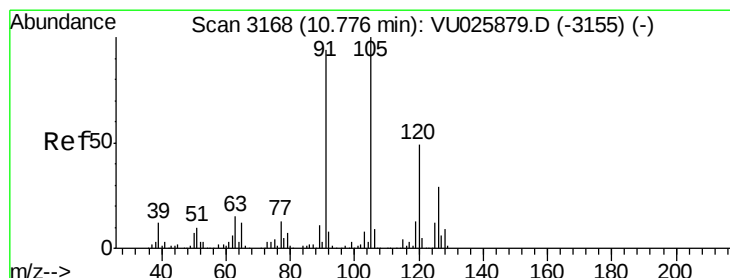
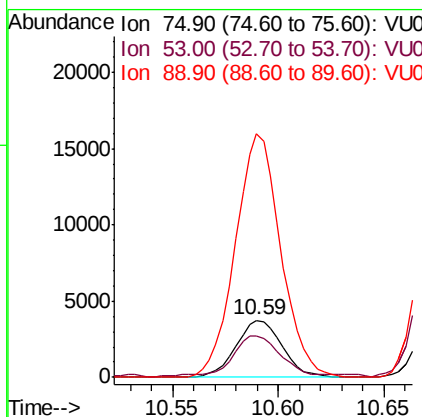
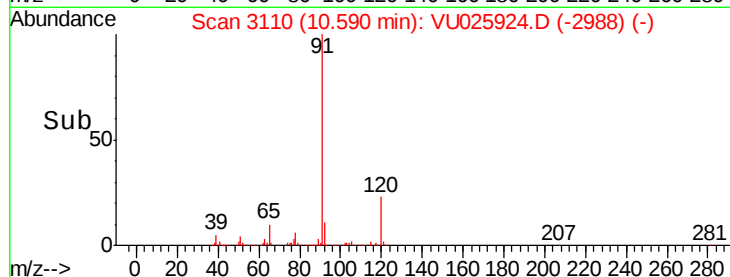
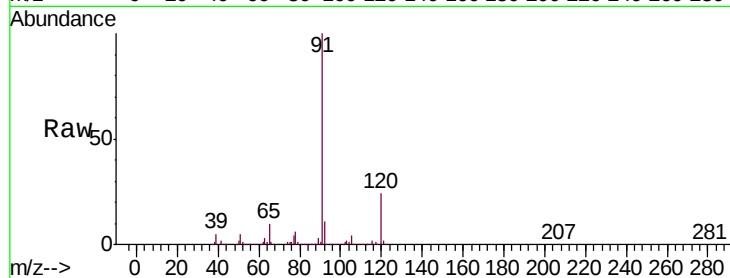




#81
trans-1,4-Dichloro-2-butene
Concen: 2.801 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.09 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

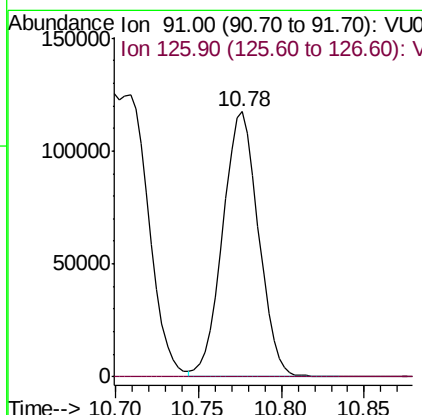
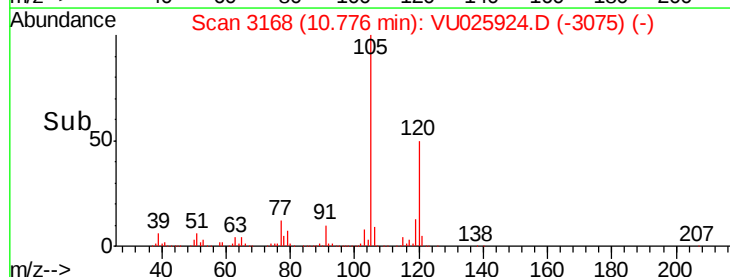
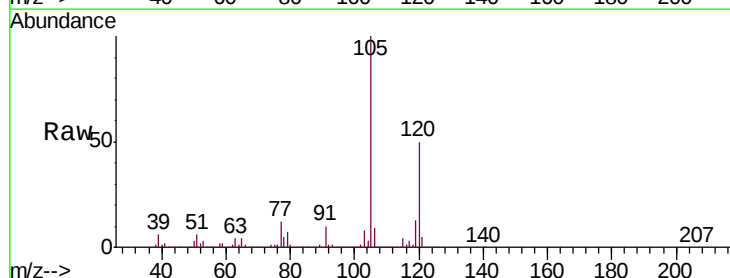
Instrument :
MSVOA_U
ClientSampleId :
FL-0532

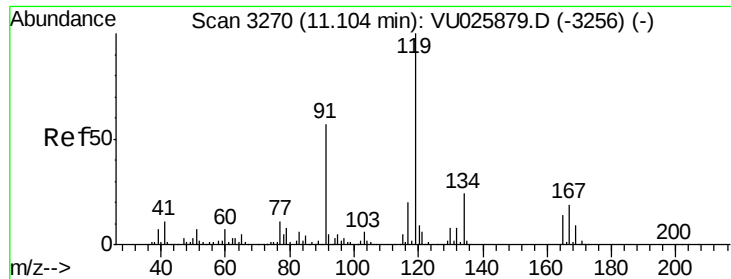
Tgt Ion: 75 Resp: 5649
Ion Ratio Lower Upper
75 100
53 81.1 0.0 0.0#
89 421.9 0.0 0.0#



#82
4-Chlorotoluene
Concen: 13.909 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

Tgt Ion: 91 Resp: 175569
Ion Ratio Lower Upper
91 100
126 0.1 15.3 45.9#

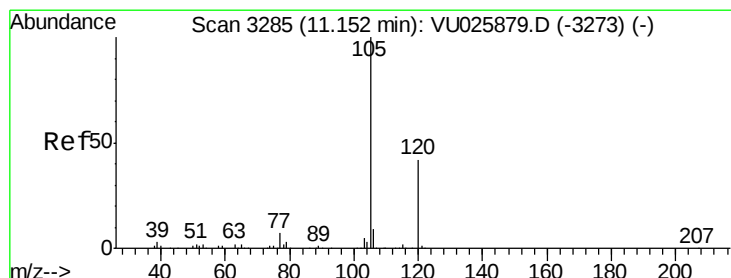
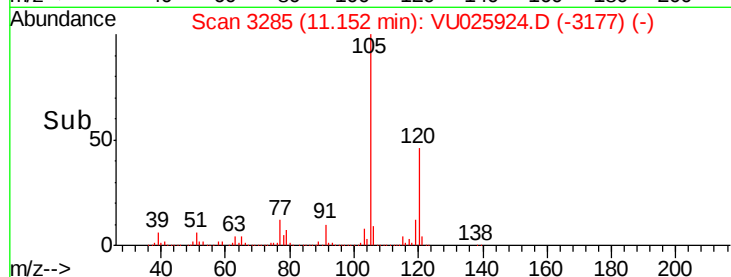
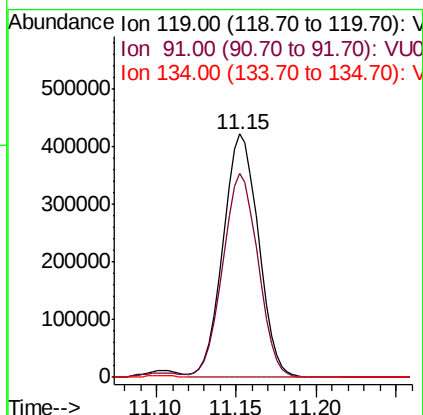
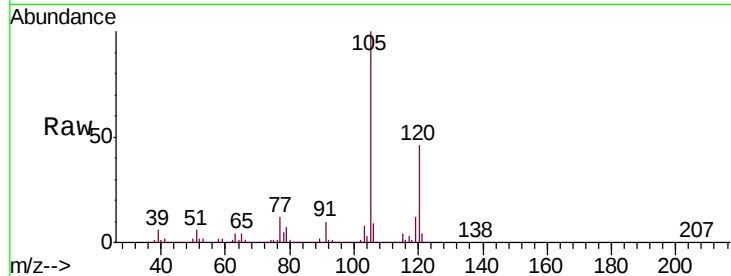




#83
 tert-Butylbenzene
 Concen: 48.275 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.05 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

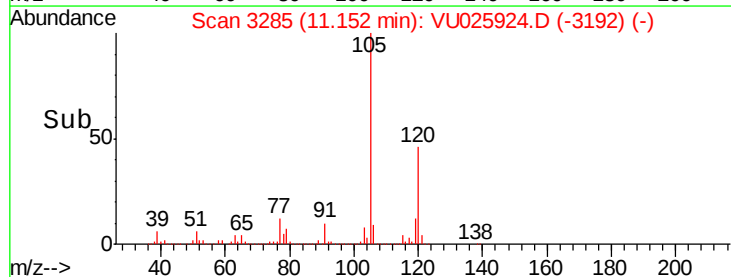
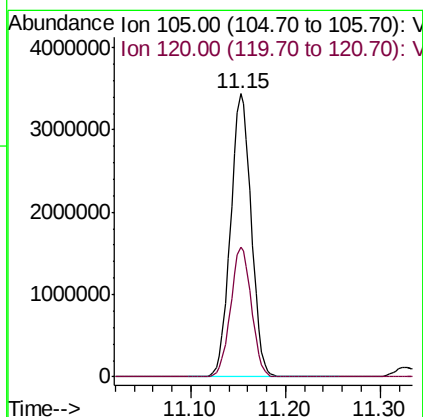
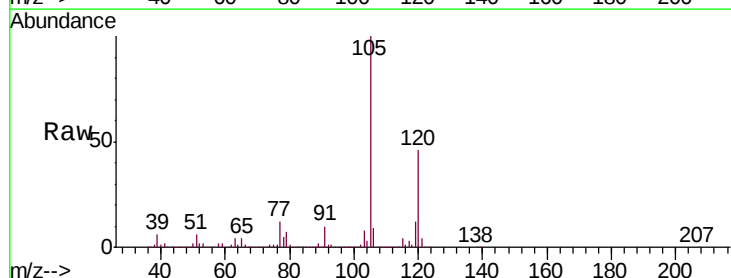
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0532

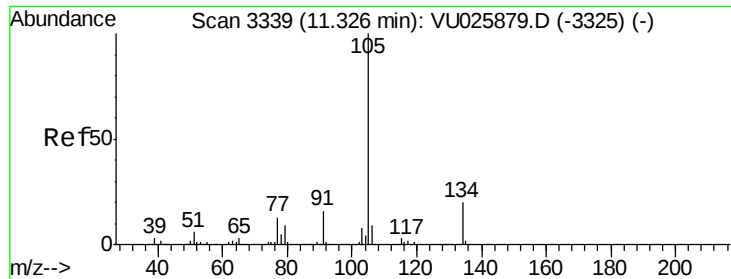
Tgt Ion:119 Resp: 638062
 Ion Ratio Lower Upper
 119 100
 91 83.5 29.7 89.1
 134 0.0 11.5 34.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 386.334 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

Tgt Ion:105 Resp: 5207975
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.3 66.8

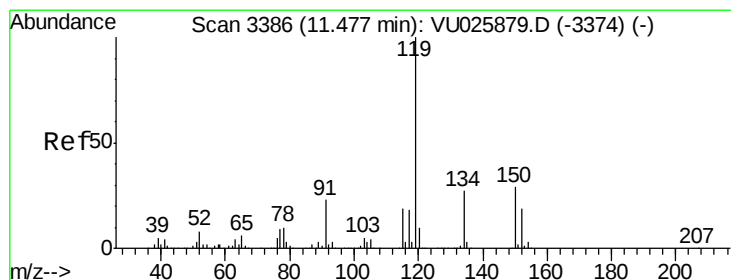
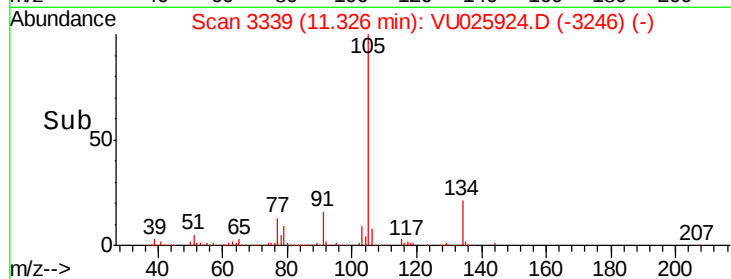
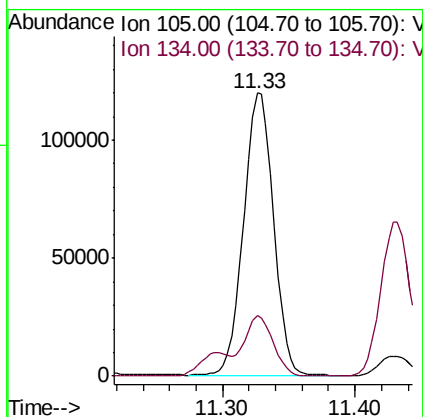
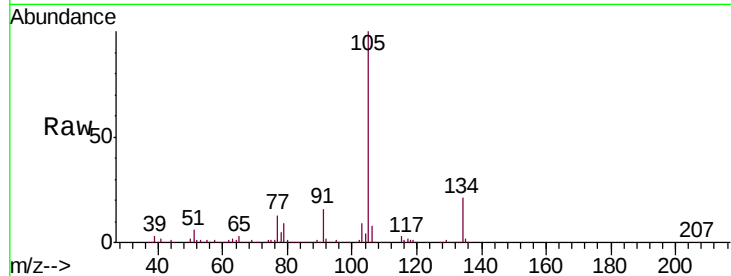




#85
 sec-Butylbenzene
 Concen: 11.611 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

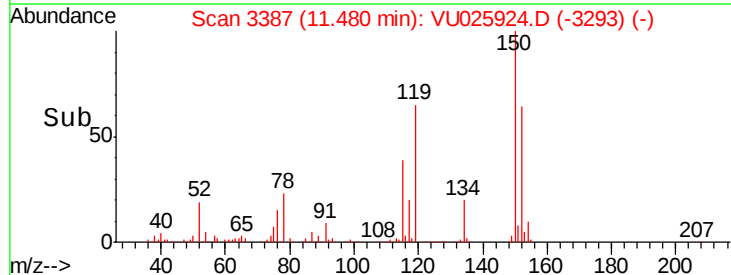
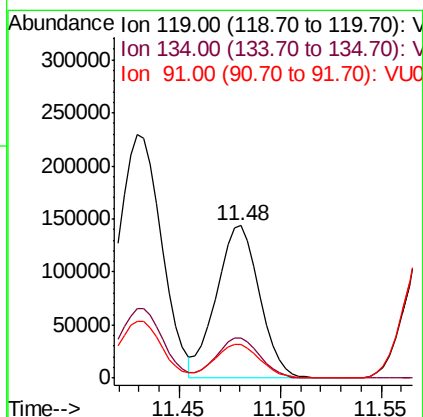
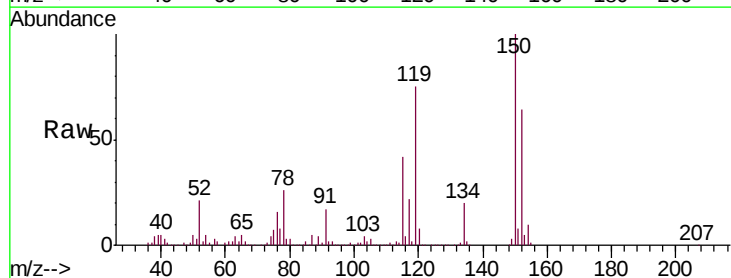
Instrument :
 MSVOA_U
 ClientSampled :
 FL-0532

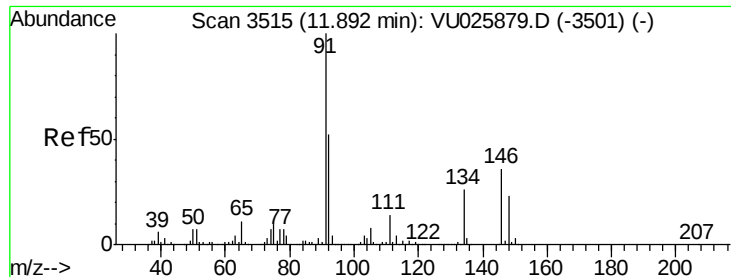
Tgt Ion:105 Resp: 187368
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 14.824 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

Tgt Ion:119 Resp: 214198
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 23.2 12.0 36.1

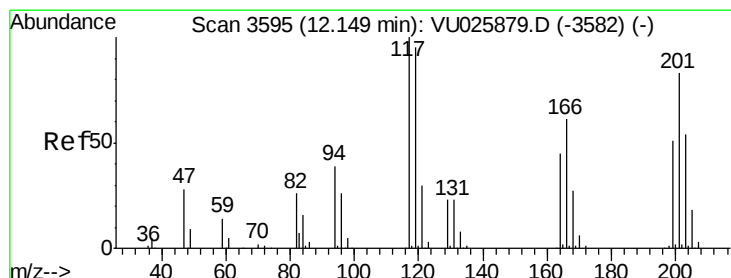
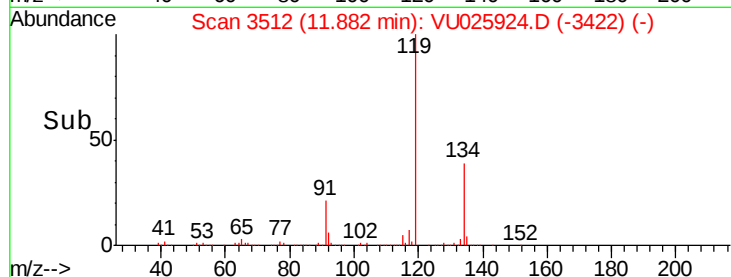
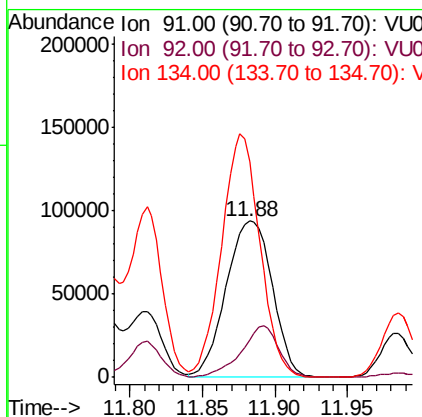
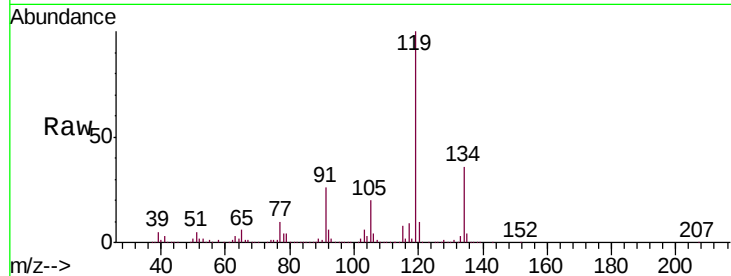




#89
n-Butylbenzene
Concen: 15.562 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.01 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

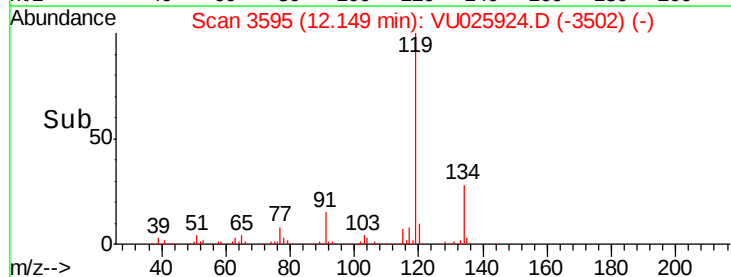
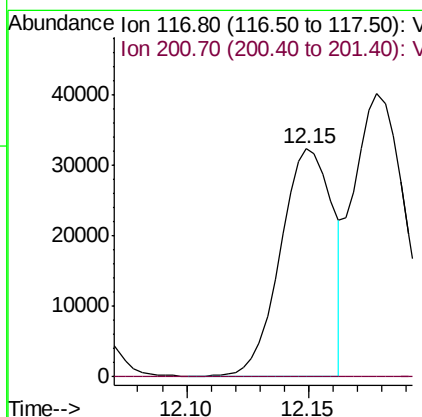
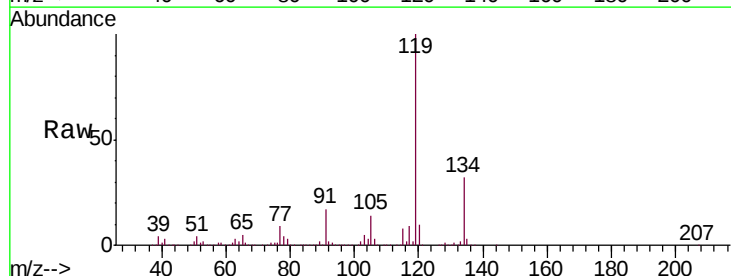
Instrument :
MSVOA_U
ClientSampled :
FL-0532

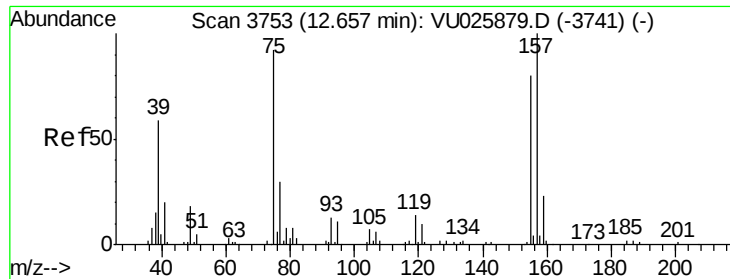
Tgt Ion: 91 Resp: 207508
Ion Ratio Lower Upper
91 100
92 27.4 26.5 79.5
134 129.1 13.6 40.7#



#90
Hexachloroethane
Concen: 18.646 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025924.D
Acq: 07 Aug 2018 06:58

Tgt Ion: 117 Resp: 47904
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#

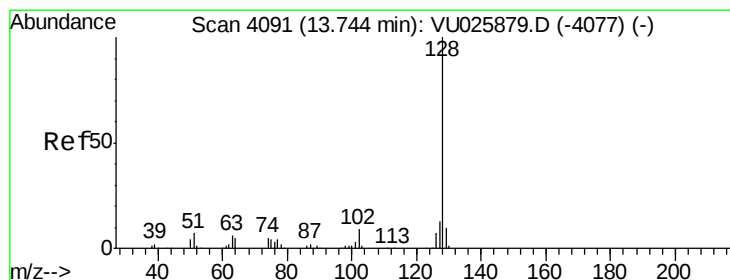
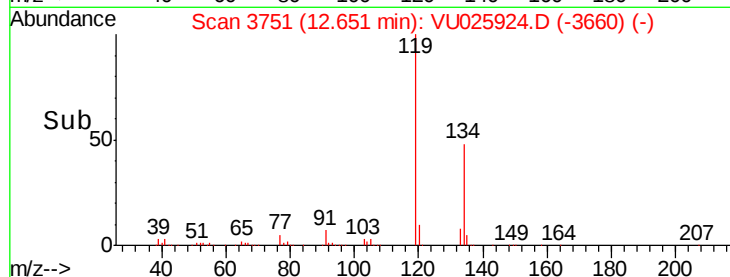
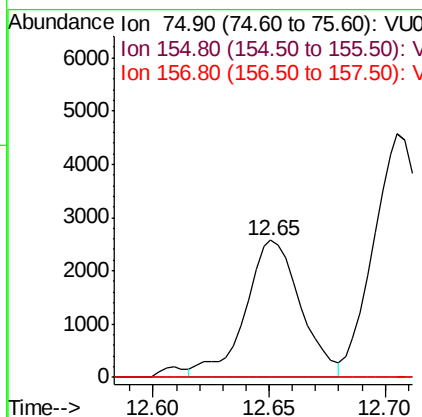
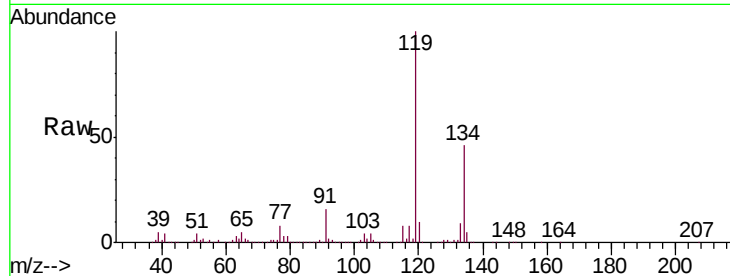




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.338 ug/l
 RT: 12.65 min Scan# 3751
 Delta R.T. -0.01 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0532

Tgt Ion: 75 Resp: 4286
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.5 133.3#
 157 0.0 57.0 170.8#



#95
 Naphthalene
 Concen: 33.747 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU025924.D
 Acq: 07 Aug 2018 06:58

Tgt Ion: 128 Resp: 567985
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.5 15.7
 129 11.2 8.3 12.5

