

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025688.D
 Acq On : 27 Jul 2018 23:31
 Operator : MD/SY
 Sample : J4154-06DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0507DL

Quant Time: Jul 28 05:29:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	172979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	268481	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	262271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157917	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	131157	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
35) Dibromofluoromethane	4.89	113	111044	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	7.57	98	387241	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	10.31	95	151277	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	886	1.50	ug/l	# 73
13) Acrolein	2.19	56	114	Below	Cal	# 1
14) Allyl chloride	2.72	41	2267	0.68	ug/l	# 57
15) Acrylonitrile	2.94	53	238	0.20	ug/l	# 42
16) Acetone	2.31	43	4319	3.29	ug/l	# 65
17) Carbon Disulfide	2.48	76	2537	0.42	ug/l	96
18) Methyl Acetate	2.71	43	4761	1.51	ug/l	# 52
21) trans-1,2-Dichloroethene	2.99	96	498	0.23	ug/l	# 66
23) Vinyl Acetate	3.31	43	5752	1.00	ug/l	# 49
31) Cyclohexane	5.00	56	21071	4.91	ug/l	# 91
36) 1,1-Dichloropropene	4.99	75	12873	4.10	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	16290	4.58	ug/l	# 16
39) Methylcyclohexane	6.42	83	12712	3.54	ug/l	95
40) Benzene	5.39	78	253287	27.62	ug/l	97
42) 1,2-Dichloroethane	5.39	62	2454	0.69	ug/l	# 77
48) Methyl methacrylate	6.64	41	628	0.24	ug/l	# 49
51) 4-Methyl-2-Pentanone	7.46	43	880	0.26	ug/l	97
52) Toluene	7.64	92	16262	2.85	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	676	0.29	ug/l	# 15
59) 2-Hexanone	8.37	43	619	0.23	ug/l	72
67) Ethyl Benzene	9.26	91	117805	10.52	ug/l	100
68) m/p-Xylenes	9.38	106	209755	48.78	ug/l	99
69) o-Xylene	9.78	106	40881	9.73	ug/l	96
70) Styrene	9.79	104	2797	0.41	ug/l	# 1
73) Isopropylbenzene	10.17	105	14140	1.31	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	80097	23.02	ug/l	# 36
78) n-propylbenzene	10.59	91	15022	1.19	ug/l	99
79) 2-Chlorotoluene	10.68	91	7683	1.04	ug/l	# 46
80) 1,3,5-Trimethylbenzene	10.78	105	30077	3.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.31	75	80097	57.72	ug/l	# 100
82) 4-Chlorotoluene	10.78	91	4483	0.52	ug/l	# 64
84) 1,2,4-Trimethylbenzene	11.15	105	91713	9.89	ug/l	99
85) sec-Butylbenzene	11.33	105	3268	0.29	ug/l	96
86) p-Isopropyltoluene	11.44	119	2638	0.27	ug/l	96

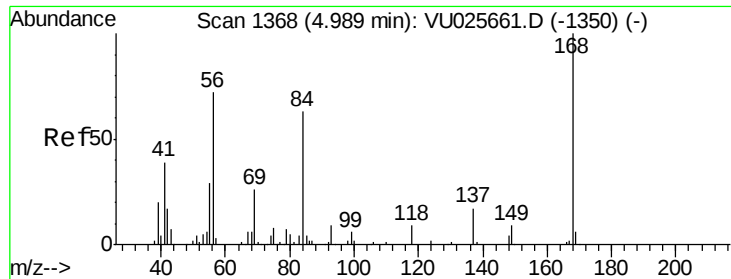
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	11.42	146	1182	0.21	ug/l	98
88) 1,4-Dichlorobenzene	11.42	146	1182	0.21	ug/l	97
89) n-Butylbenzene	11.89	91	5016	0.55	ug/l #	58
90) Hexachloroethane	12.15	117	511	0.29	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.51	180	1887	0.52	ug/l	97
94) Hexachlorobutadiene	13.69	225	439	0.23	ug/l	78
95) Naphthalene	13.75	128	47909	5.23	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	1638	0.45	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

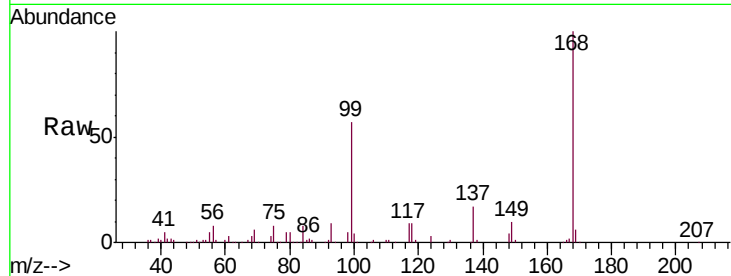
FL-0507DL

Tot Ion:168 Resp: 172979

Ion Ratio Lower Upper

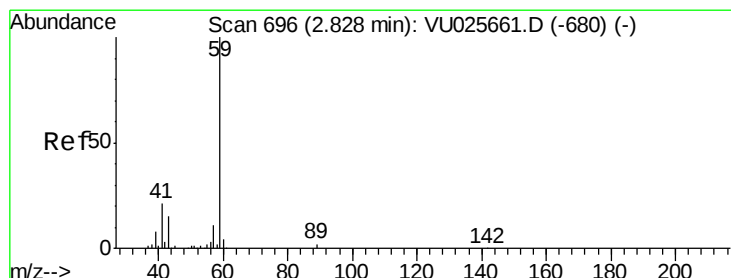
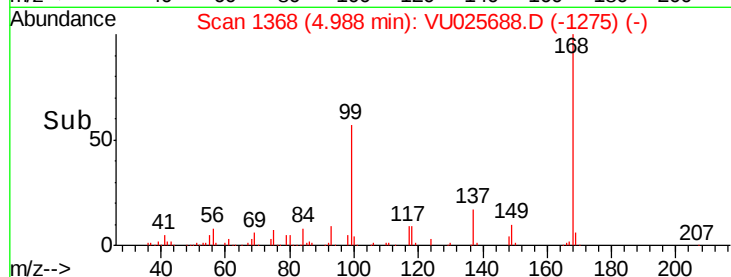
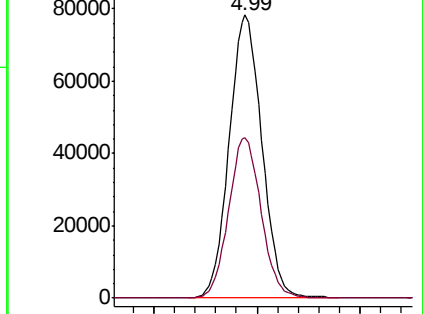
168 100

99 56.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D

Ion 98.90 (98.60 to 99.60): VU025661.D



#11

Tert butyl alcohol

Concen: 1.50 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU025688.D

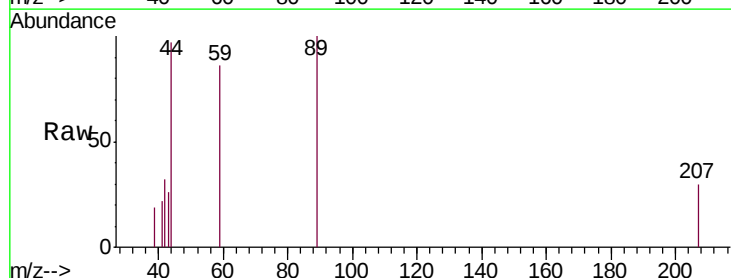
Acq: 27 Jul 2018 23:31

Tgt Ion: 59 Resp: 886

Ion Ratio Lower Upper

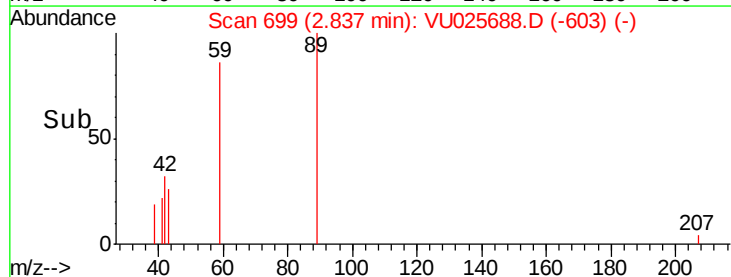
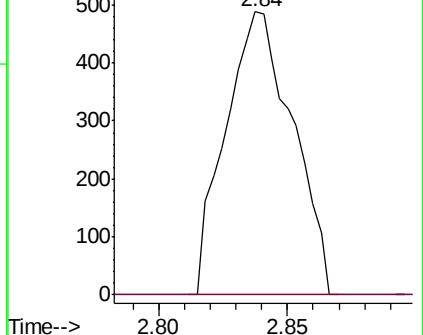
59 100

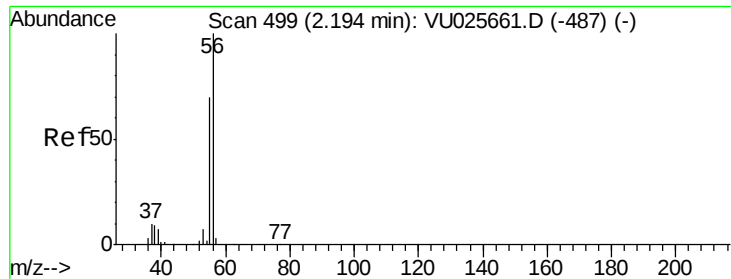
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025661.D

Ion 57.00 (56.70 to 57.70): VU025661.D





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampled :

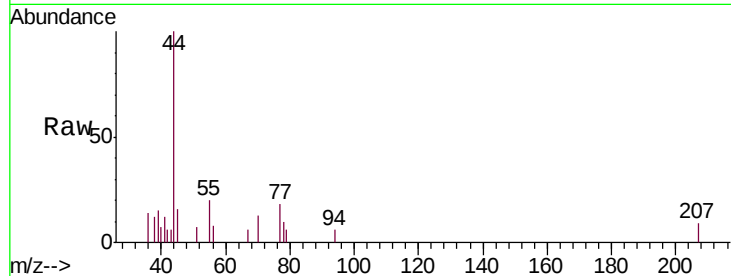
FL-0507DL

Tot Ion: 56 Resp: 114

Ion Ratio Lower Upper

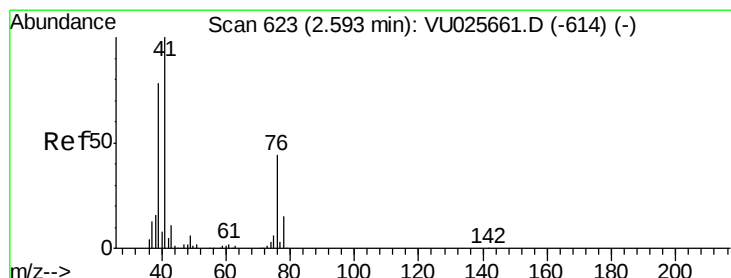
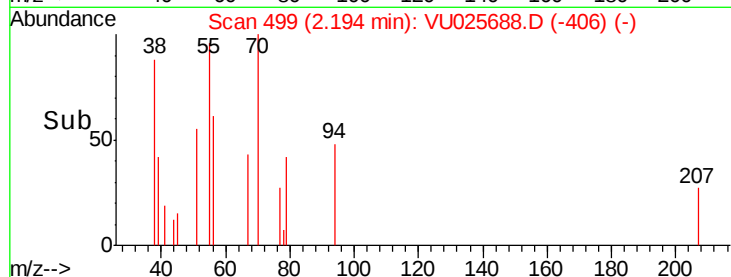
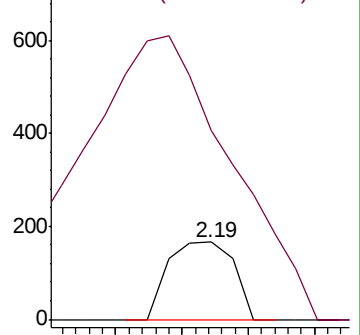
56 100

55 825.4 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 0.68 ug/l

RT: 2.72 min Scan# 661

Delta R.T. 0.12 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

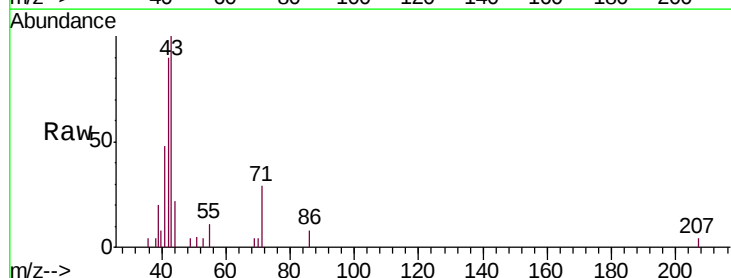
Tgt Ion: 41 Resp: 2267

Ion Ratio Lower Upper

41 100

39 47.3 60.6 91.0#

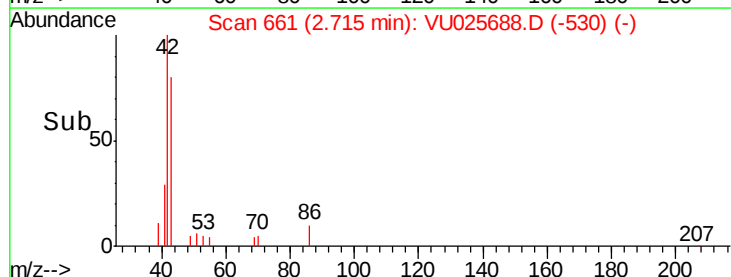
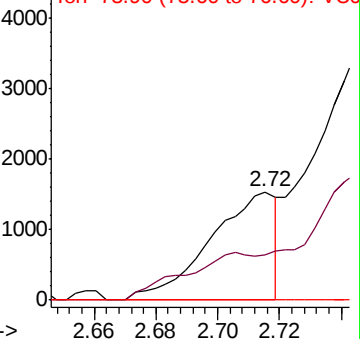
76 0.0 30.5 45.7#

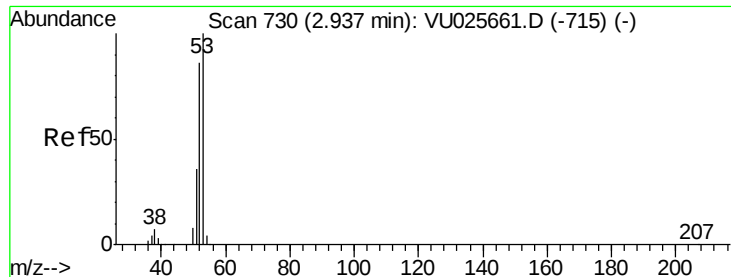


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 0.20 ug/l

RT: 2.94 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleID :

FL-0507DL

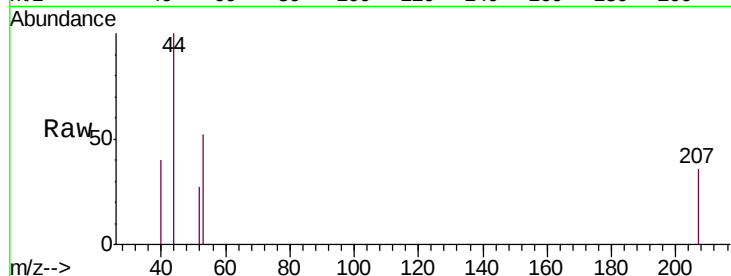
Tot Ion: 53 Resp: 238

Ion Ratio Lower Upper

53 100

52 31.9 66.6 99.8#

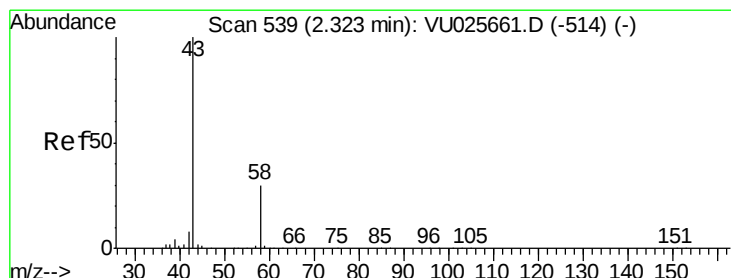
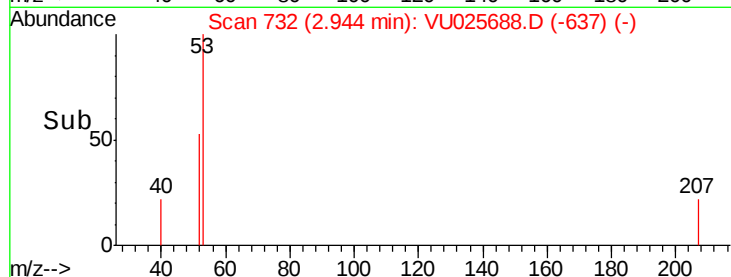
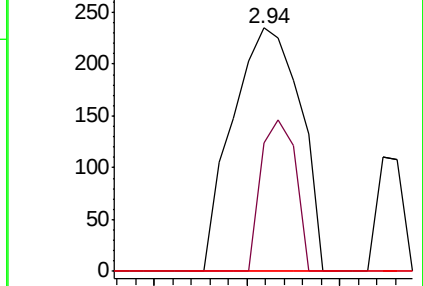
51 0.0 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 3.29 ug/l

RT: 2.31 min Scan# 536

Delta R.T. -0.01 min

Lab File: VU025688.D

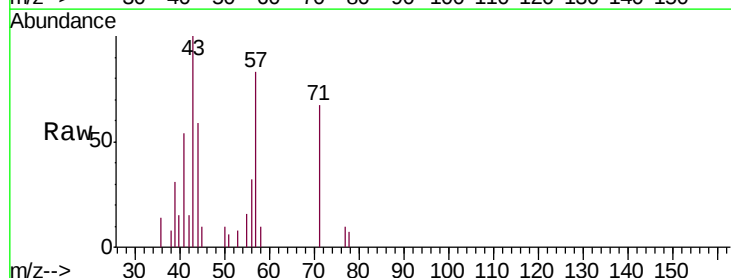
Acq: 27 Jul 2018 23:31

Tgt Ion: 43 Resp: 4319

Ion Ratio Lower Upper

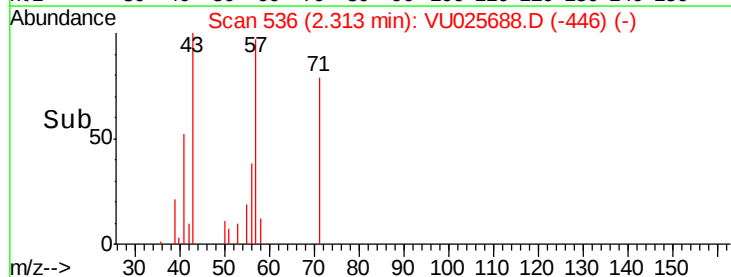
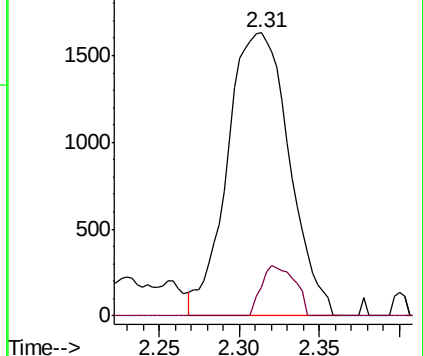
43 100

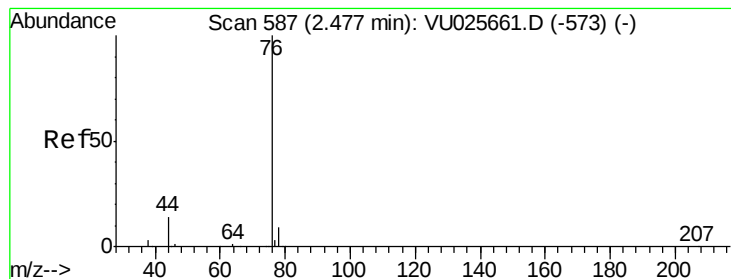
58 10.1 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 0.42 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

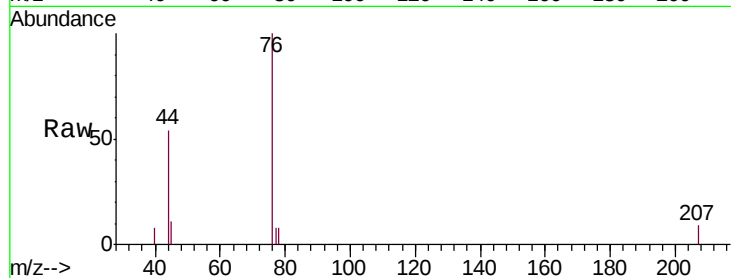
FL-0507DL

Tot Ion: 76 Resp: 2537

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU025661.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025661.D (-573) (-)

2.48

1500

1000

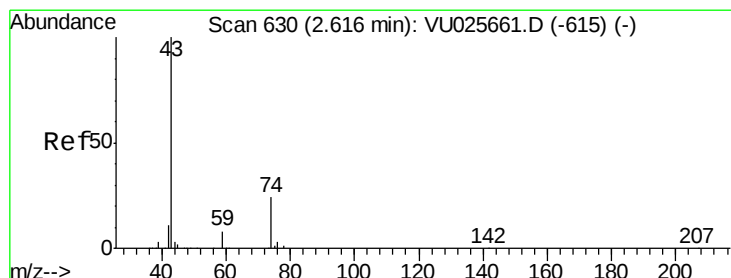
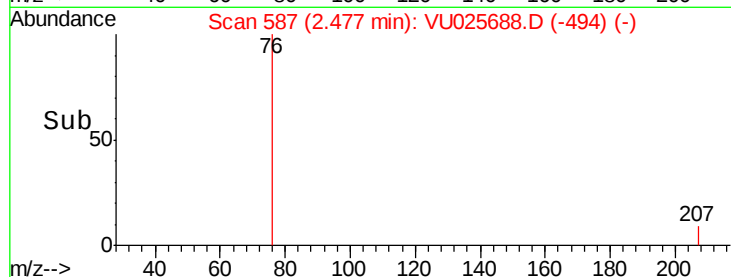
500

0

2.45

2.50

Time-->



#18

Methyl Acetate

Concen: 1.51 ug/l

RT: 2.71 min Scan# 659

Delta R.T. 0.09 min

Lab File: VU025688.D

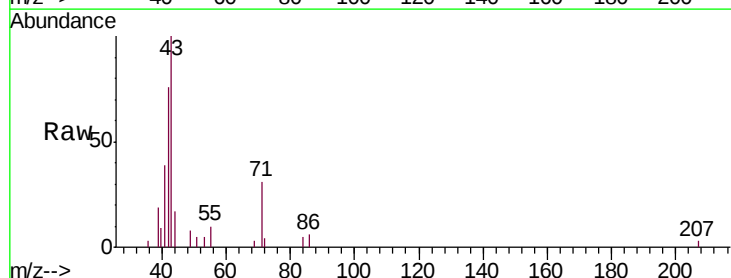
Acq: 27 Jul 2018 23:31

Tgt Ion: 43 Resp: 4761

Ion Ratio Lower Upper

43 100

74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-615) (-)

Ion 74.00 (73.70 to 74.70): VU025661.D (-615) (-)

2.71

6000

4000

2000

0

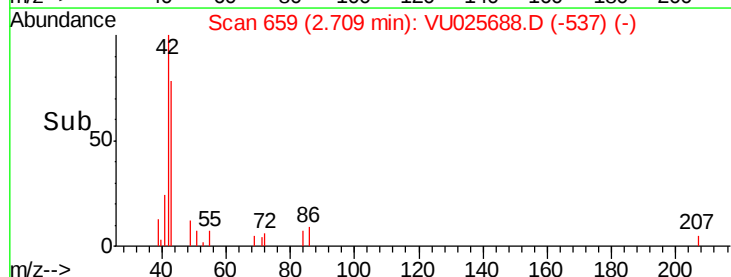
2.66

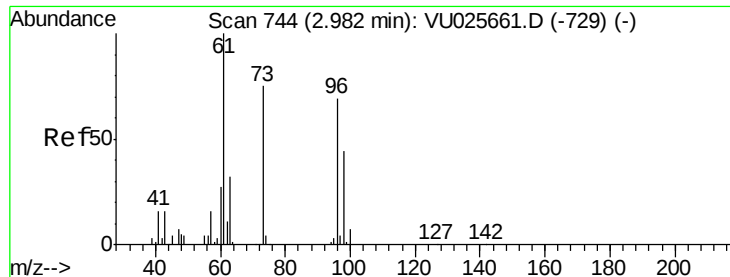
2.68

2.70

2.72

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.23 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

FL-0507DL

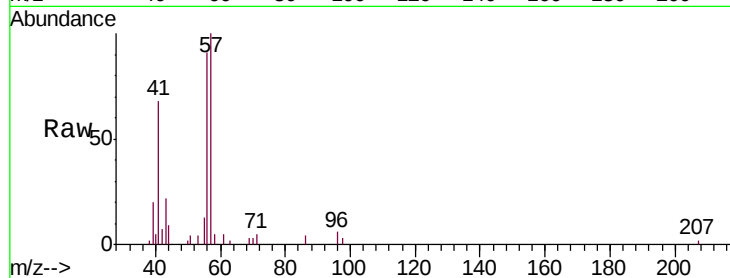
Tot Ion: 96 Resp: 498

Ion Ratio Lower Upper

96 100

61 93.6 114.5 171.7#

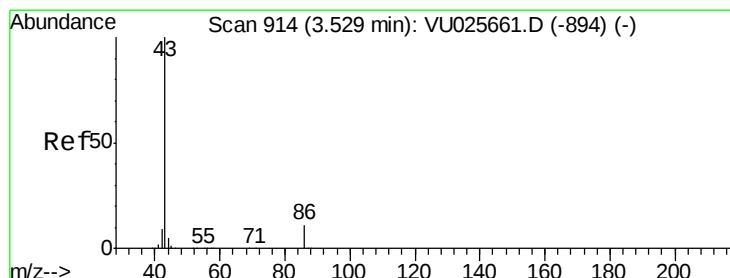
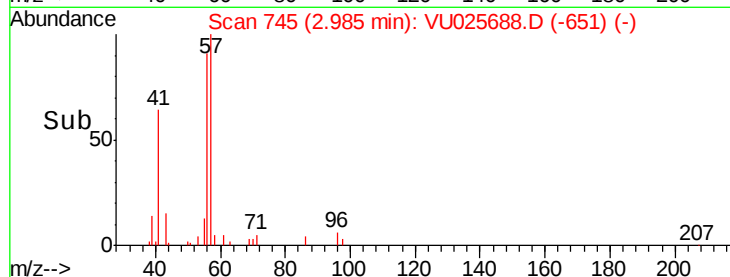
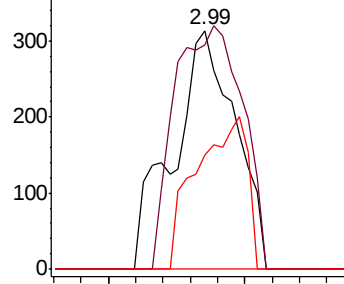
98 47.8 50.5 75.7#



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#23

Vinyl Acetate

Concen: 1.00 ug/l

RT: 3.31 min Scan# 846

Delta R.T. -0.22 min

Lab File: VU025688.D

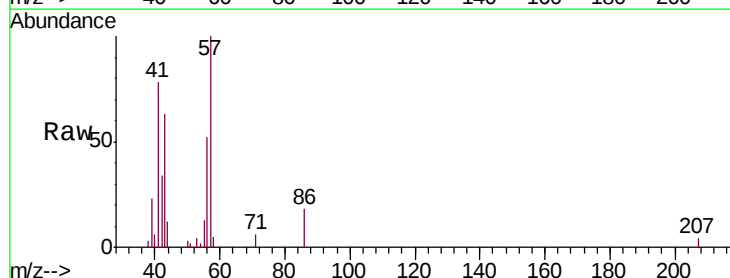
Acq: 27 Jul 2018 23:31

Tgt Ion: 43 Resp: 5752

Ion Ratio Lower Upper

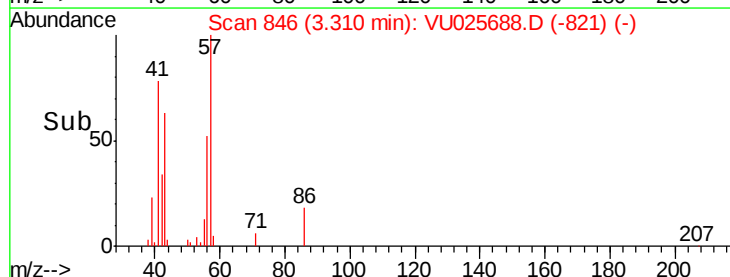
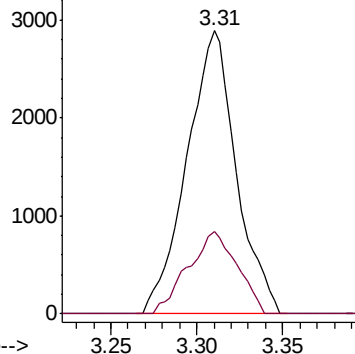
43 100

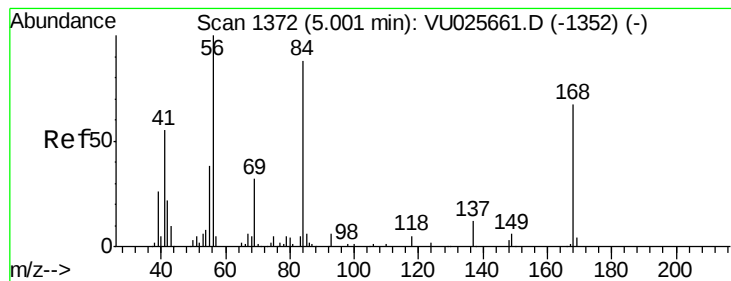
86 29.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0





#31

Cyclohexane

Concen: 4.91 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

FL-0507DL

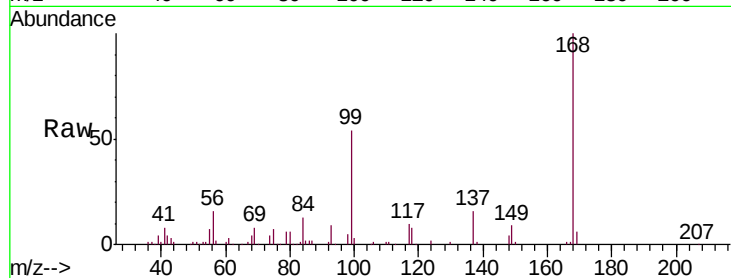
Tot Ion: 56 Resp: 21071

Ion Ratio Lower Upper

56 100

69 49.1 26.8 40.2#

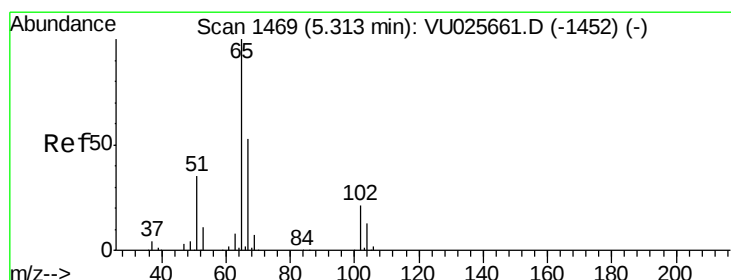
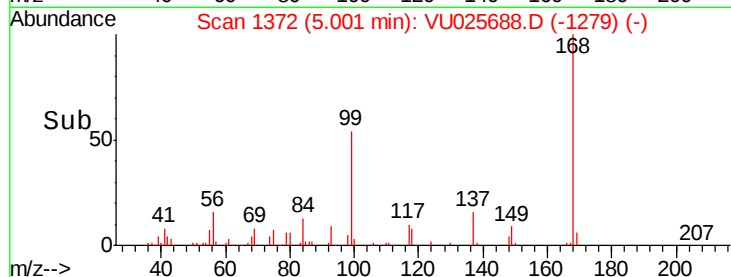
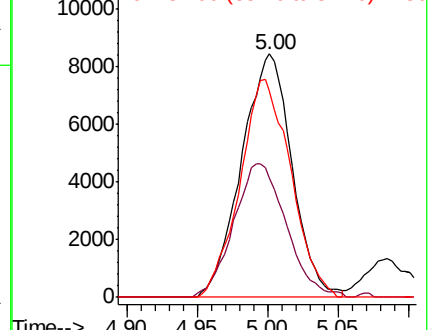
84 85.0 69.7 104.5



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: 48.66 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025688.D

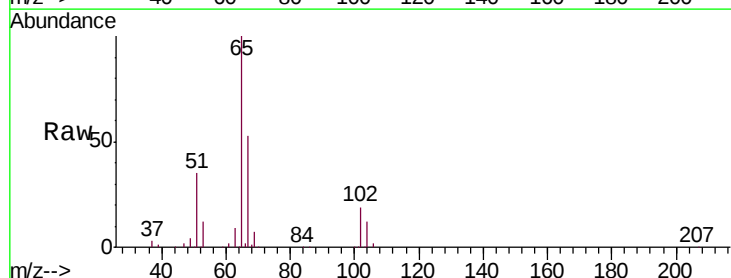
Acq: 27 Jul 2018 23:31

Tgt Ion: 65 Resp: 131157

Ion Ratio Lower Upper

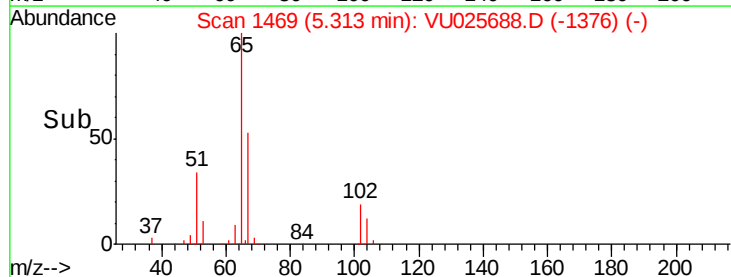
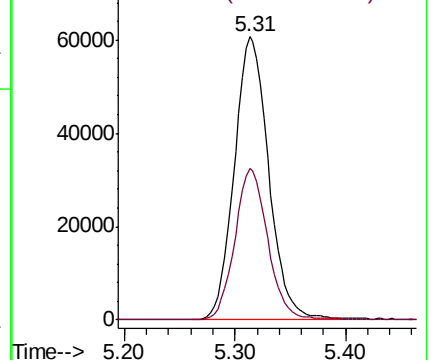
65 100

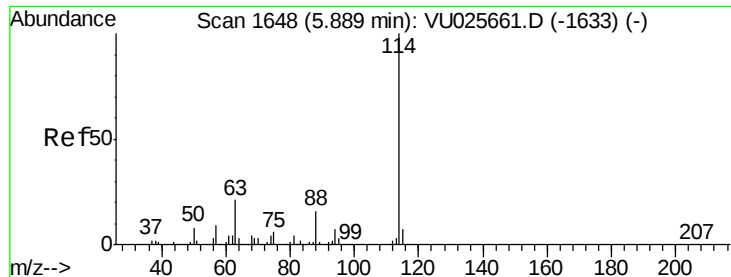
67 51.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

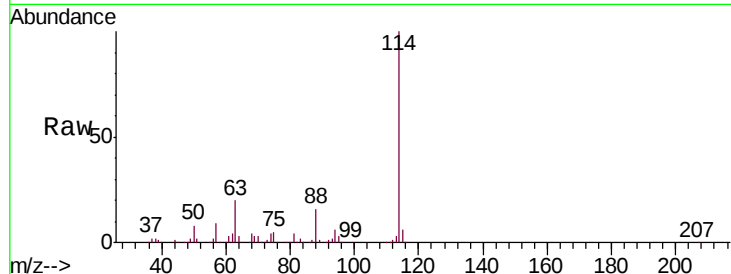




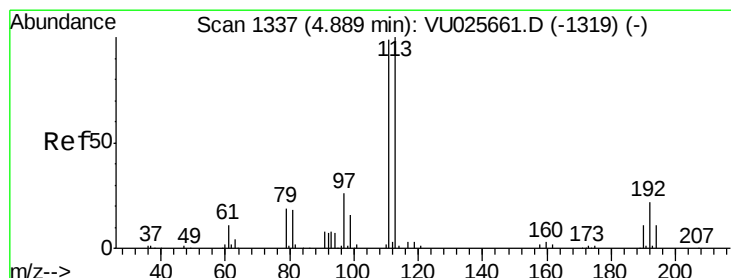
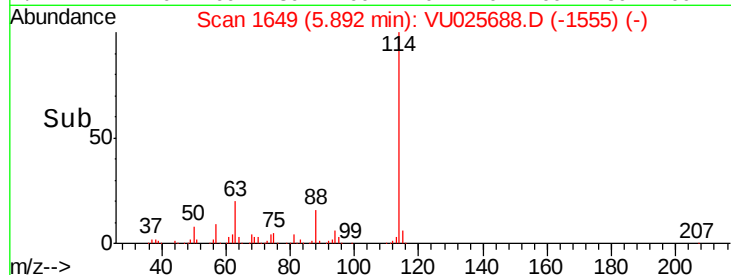
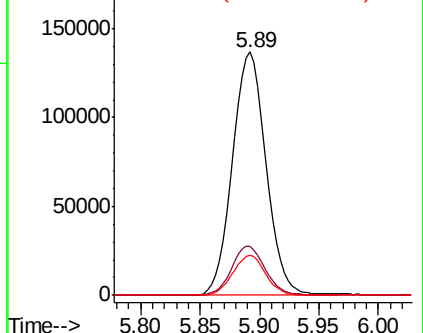
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0507DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.6
88	16.4	0.0	32.4

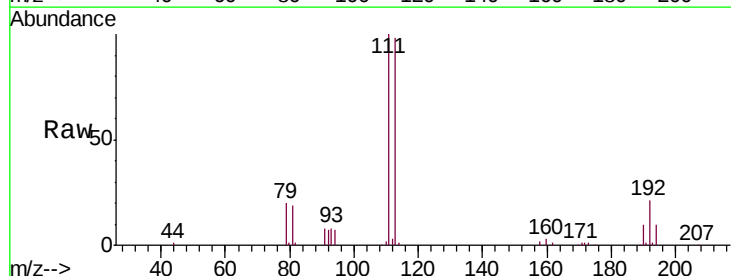


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

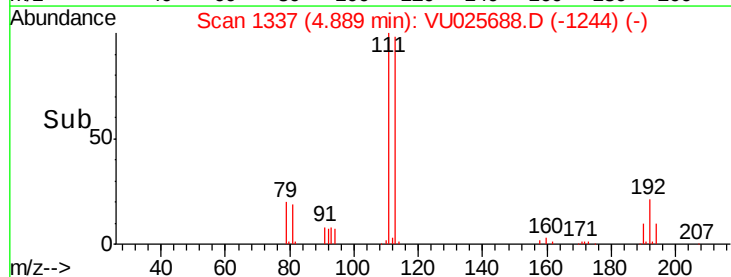
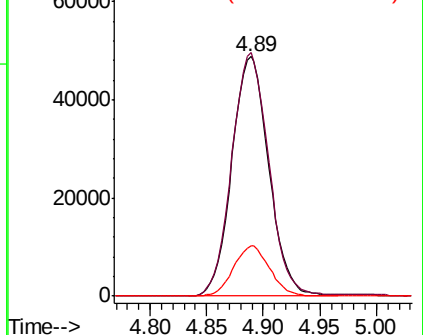


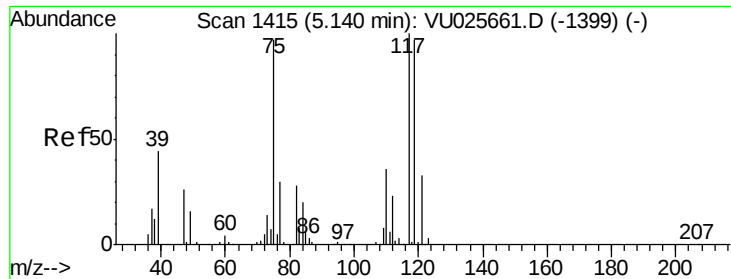
#35
 Dibromofluoromethane
 Concen: 47.55 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.7	122.5
192	20.5	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

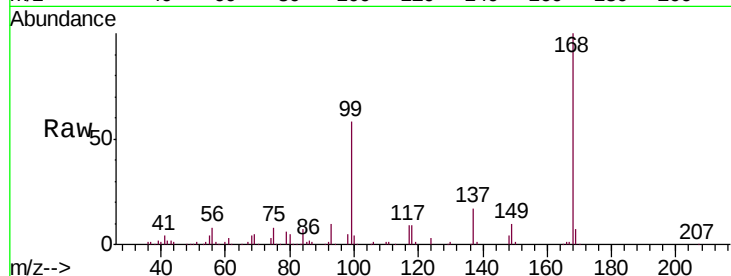




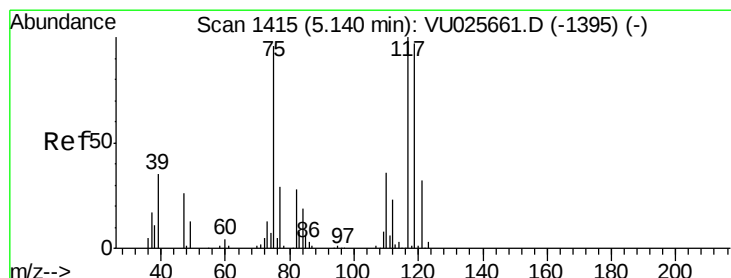
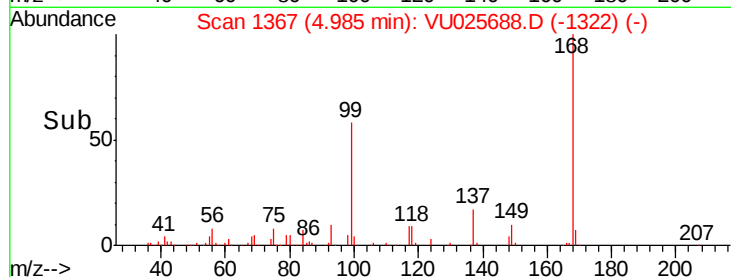
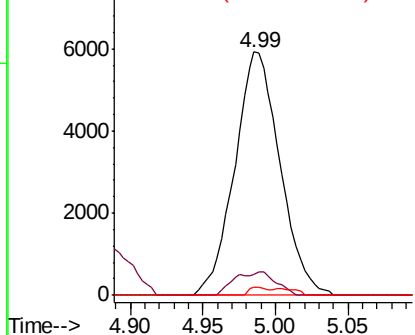
#36
 1,1-Dichloropropene
 Concen: 4.10 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0507DL

Tot Ion	75	110	77	Resp	Lower	Upper
12873	100	8.8	0.0		17.6	52.9#
					24.4	36.6#

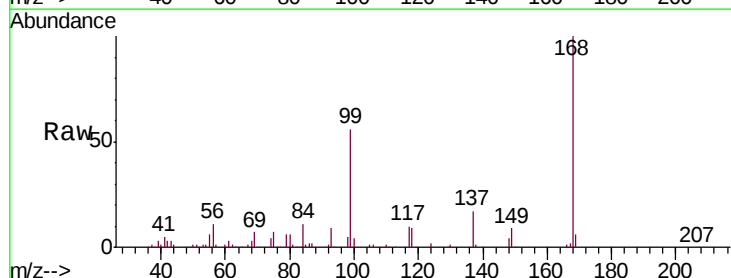


Abundance Ion 74.90 (74.60 to 75.60): VU025688.D (-1367) (-)
 Ion 109.90 (109.60 to 110.60): VU025688.D (-1367) (-)
 Ion 76.90 (76.60 to 77.60): VU025688.D (-1367) (-)

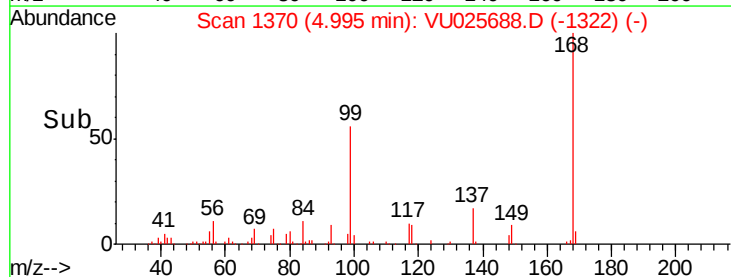
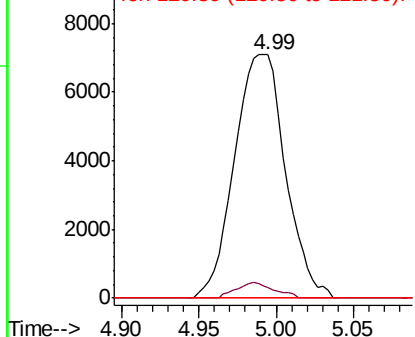


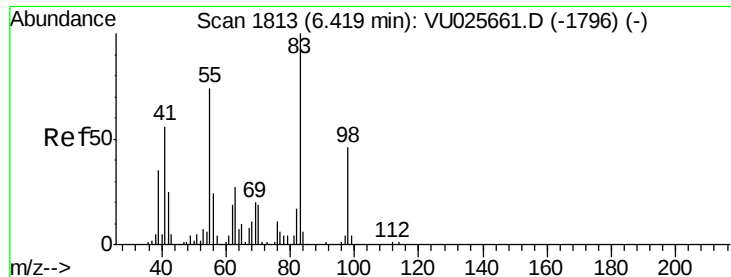
#38
 Carbon Tetrachloride
 Concen: 4.58 ug/l
 RT: 4.99 min Scan# 1370
 Delta R.T. -0.14 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Tgt Ion	117	119	121	Resp	Lower	Upper
16290	100	4.3	0.0		75.7	113.5#
					24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VU025688.D (-1370) (-)
 Ion 118.80 (118.50 to 119.50): VU025688.D (-1370) (-)
 Ion 120.80 (120.50 to 121.50): VU025688.D (-1370) (-)

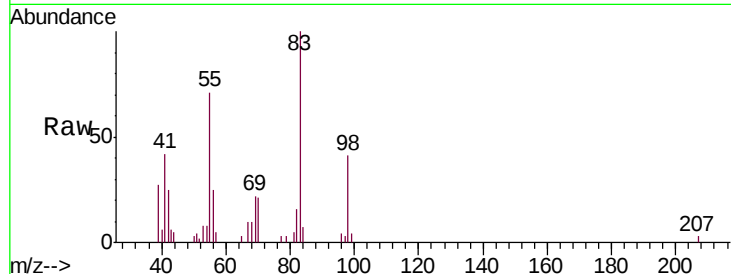




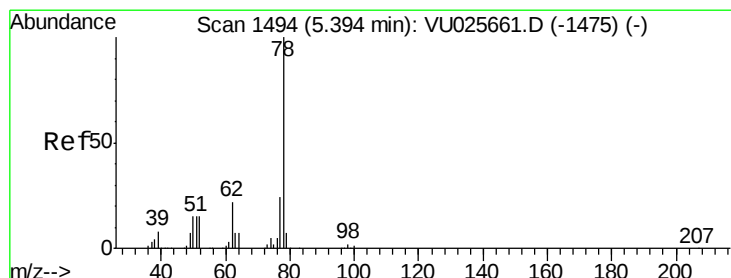
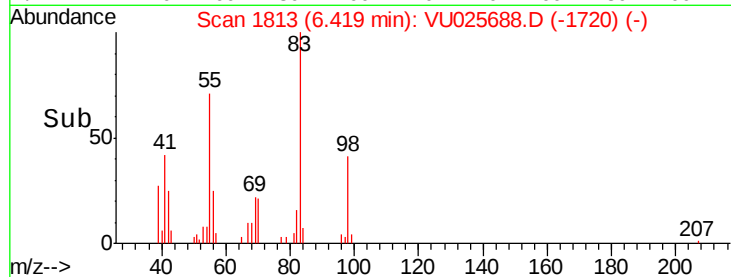
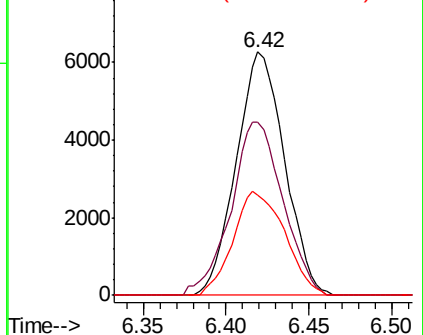
#39
Methvlcvclohexane
Concen: 3.54 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Instrument :
MSVOA_U
ClientSampleId :
FL-0507DL

Tot Ion: 83 Resp: 12712
Ion Ratio Lower Upper
83 100
55 71.3 60.0 90.0
98 41.3 36.1 54.1

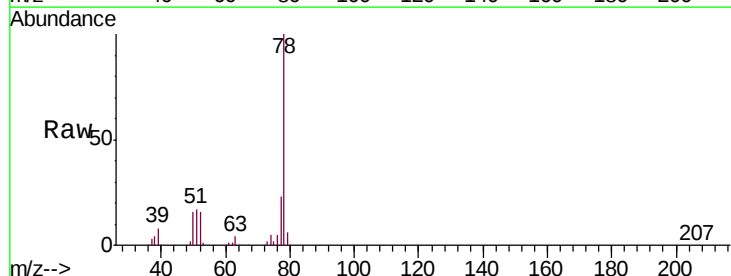


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

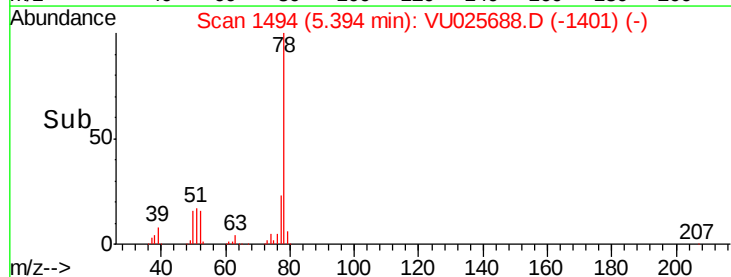
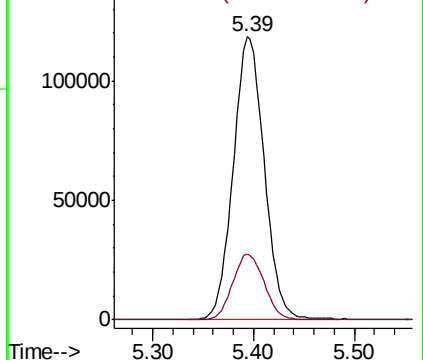


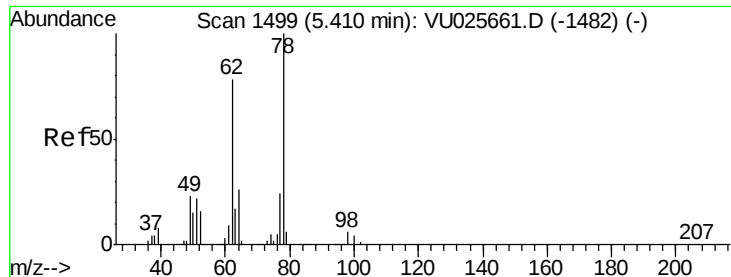
#40
Benzene
Concen: 27.62 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Tgt Ion: 78 Resp: 253287
Ion Ratio Lower Upper
78 100
77 23.3 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#42

1,2-Dichloroethane

Concen: 0.69 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampled :

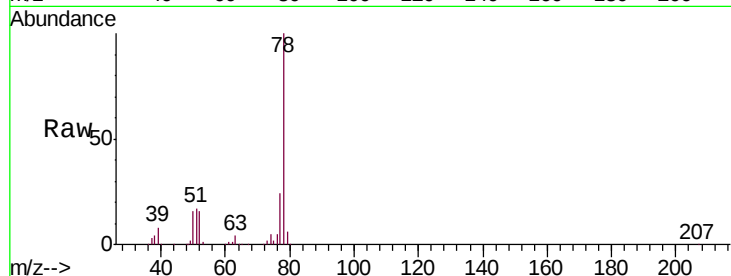
FL-0507DL

Tot Ion: 62 Resp: 2454

Ion Ratio Lower Upper

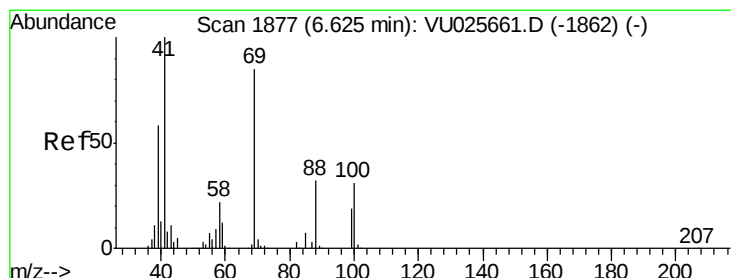
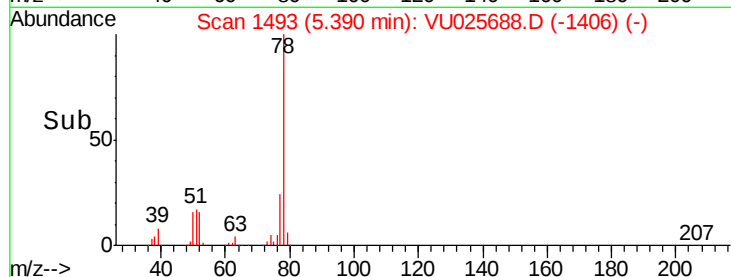
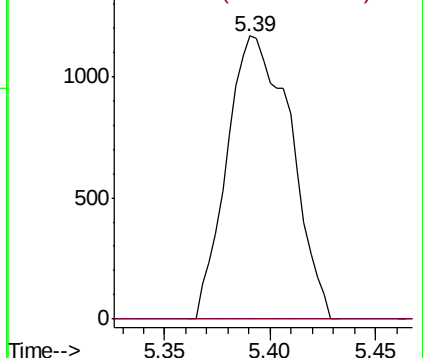
62 100

98 0.0 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#48

Methyl methacrylate

Concen: 0.24 ug/l

RT: 6.64 min Scan# 1882

Delta R.T. 0.02 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

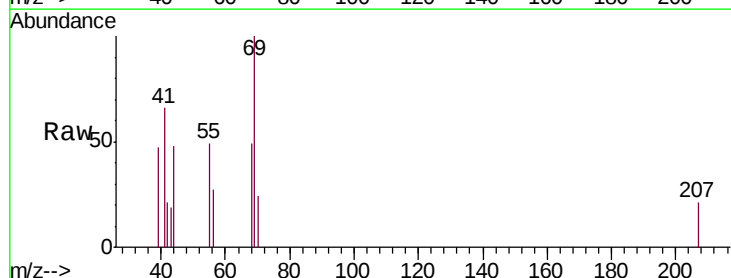
Tgt Ion: 41 Resp: 628

Ion Ratio Lower Upper

41 100

69 147.0 65.0 97.4#

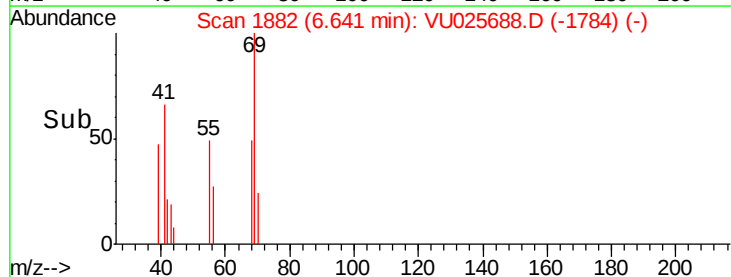
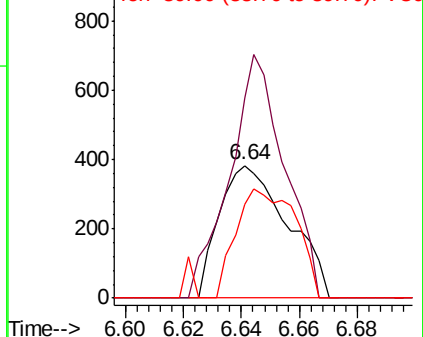
39 71.7 46.4 69.6#

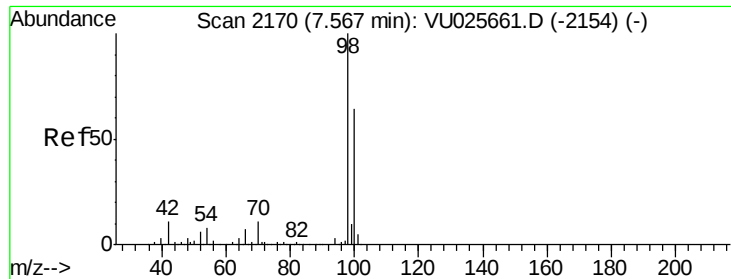


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

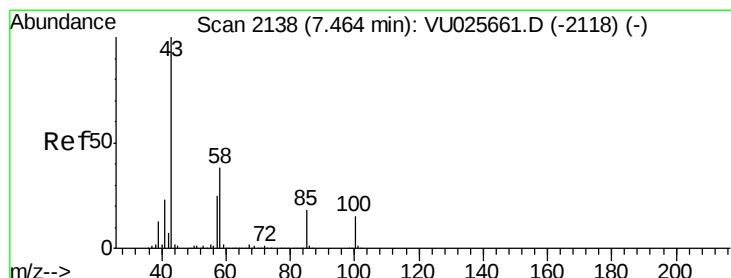
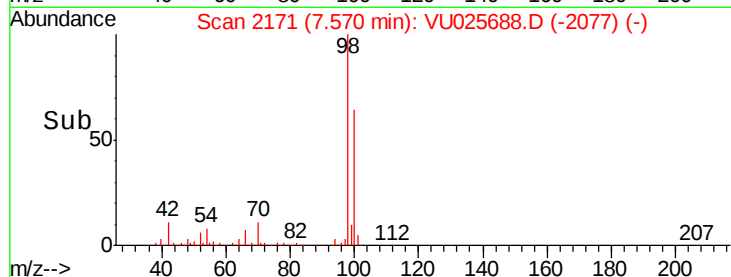
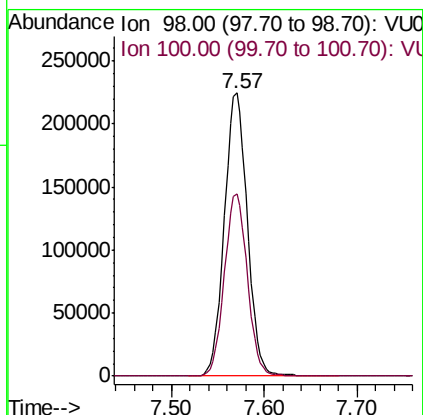
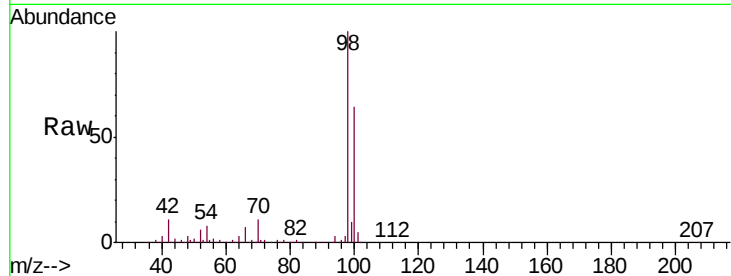




#50
Toluene-d8
Concen: 47.39 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

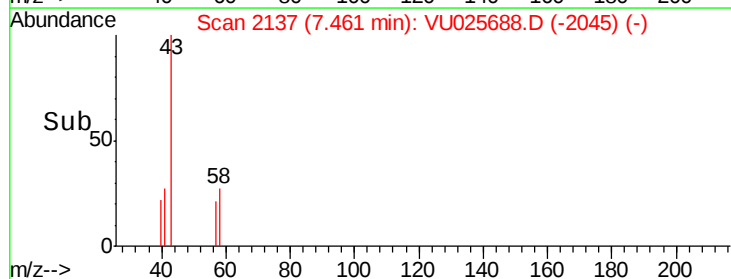
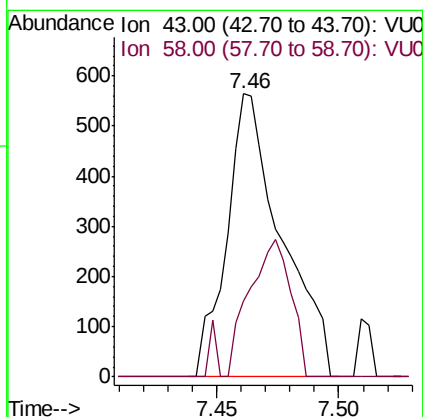
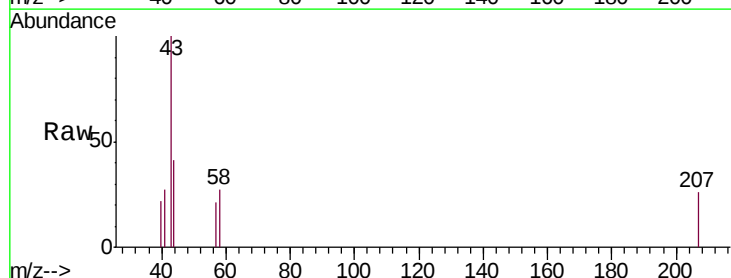
Instrument :
MSVOA_U
ClientSampleId :
FL-0507DL

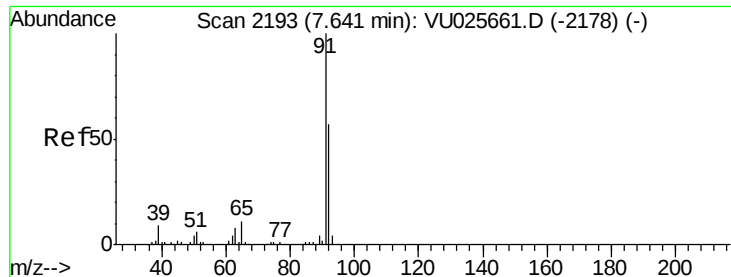
Tot Ion: 98 Resp: 387241
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
58 36.8 31.0 46.4





#52

Toluene

Concen: 2.85 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

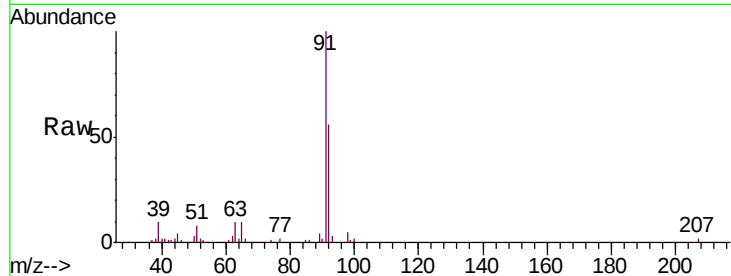
FL-0507DL

Tot Ion: 92 Resp: 16262

Ion Ratio Lower Upper

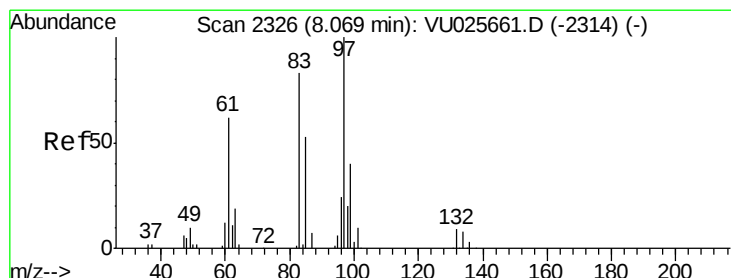
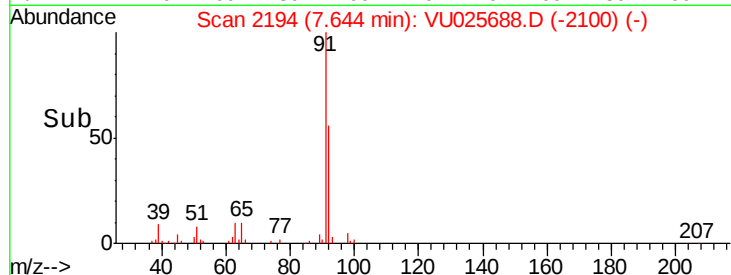
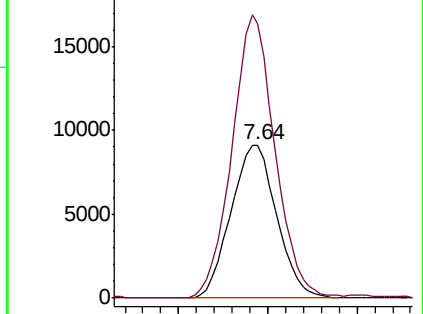
92 100

91 174.0 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU025661.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2178) (-)



#55

1,1,2-Trichloroethane

Concen: 0.29 ug/l

RT: 8.05 min Scan# 2320

Delta R.T. -0.02 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Tgt Ion: 97 Resp: 676

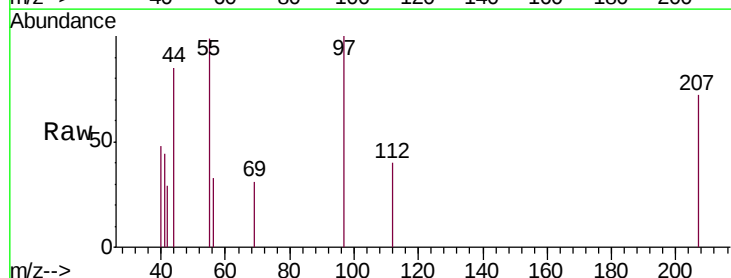
Ion Ratio Lower Upper

97 100

83 0.0 68.9 103.3#

85 0.0 44.4 66.6#

99 0.0 51.0 76.4#

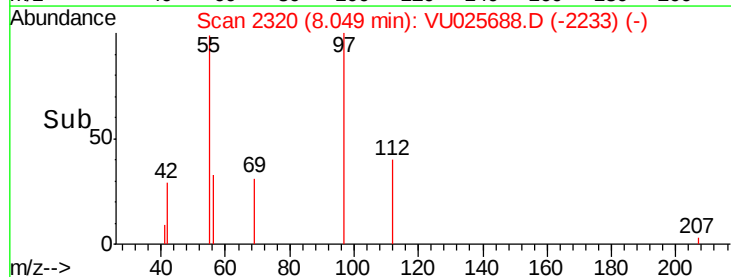
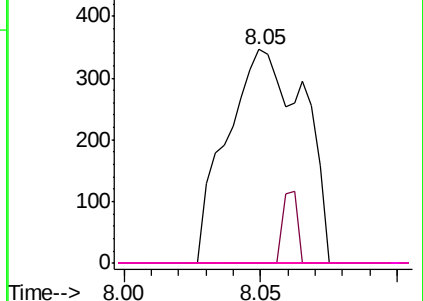


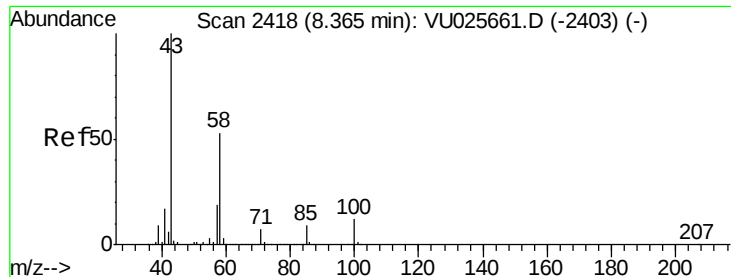
Abundance Ion 96.90 (96.60 to 97.60): VU025661.D (-2314) (-)

Ion 82.90 (82.60 to 83.60): VU025661.D (-2314) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-2314) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-2314) (-)

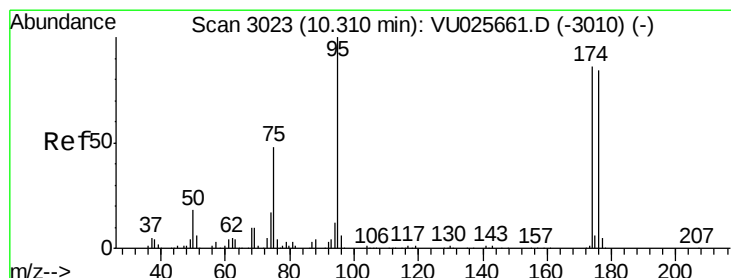
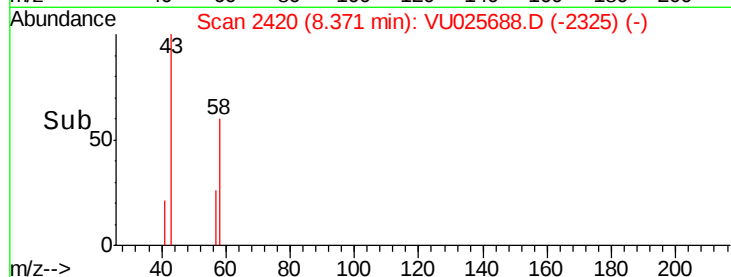
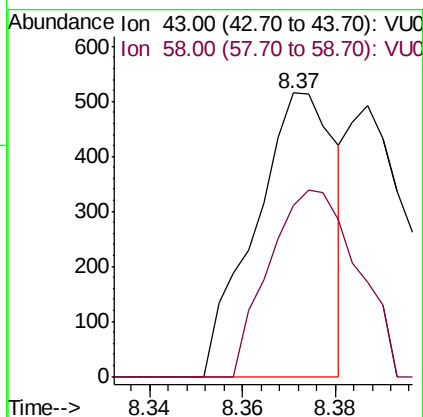
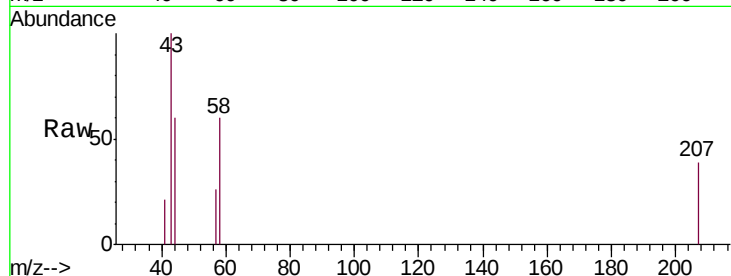




#59
2-Hexanone
Concen: 0.23 ug/l
RT: 8.37 min Scan# 2420
Delta R.T. 0.01 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

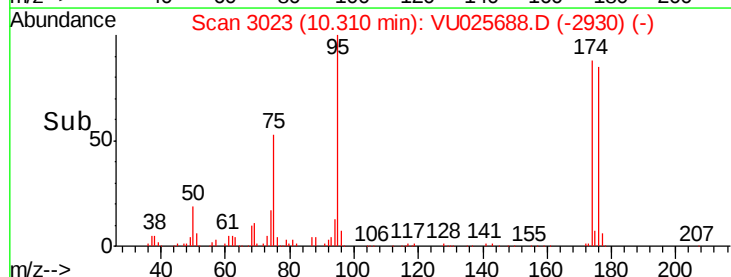
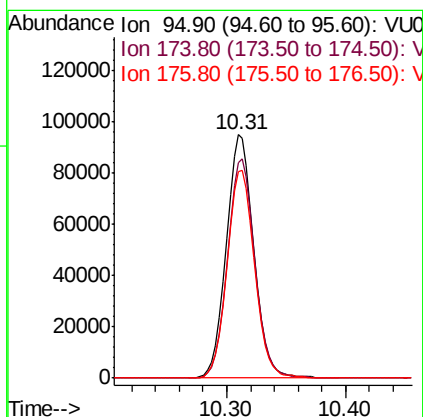
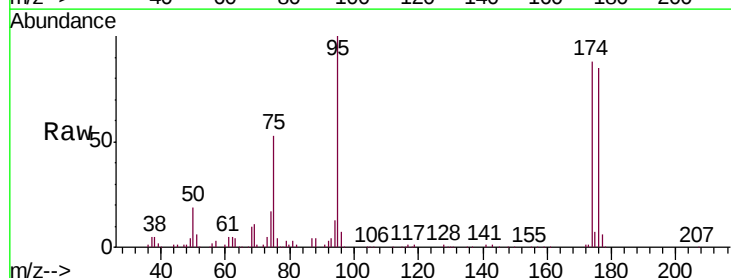
Instrument :
MSVOA_U
ClientSampleId :
FL-0507DL

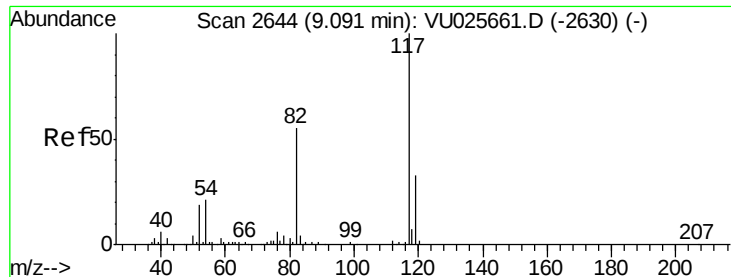
Tot Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
58 72.2 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 47.70 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Tgt Ion: 95 Resp: 151277
Ion Ratio Lower Upper
95 100
174 89.5 0.0 172.2
176 85.7 0.0 162.6

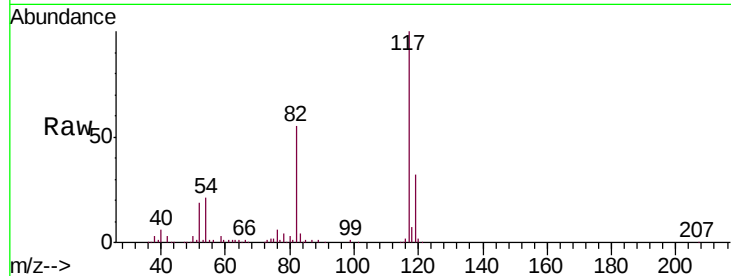




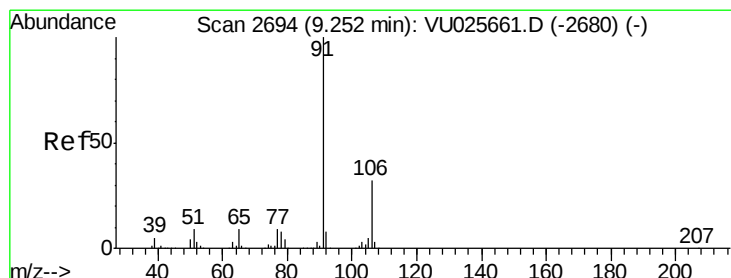
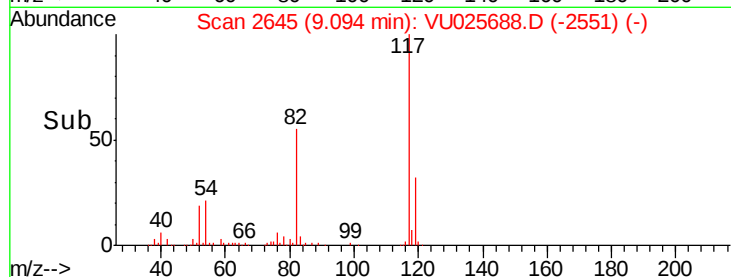
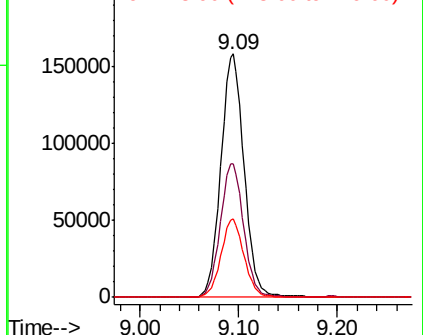
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Instrument :
MSVOA_U
ClientSampleId :
FL-0507DL

Tot Ion:117 Resp: 262271
Ion Ratio Lower Upper
117 100
82 54.8 46.0 69.0
119 32.2 26.0 39.0

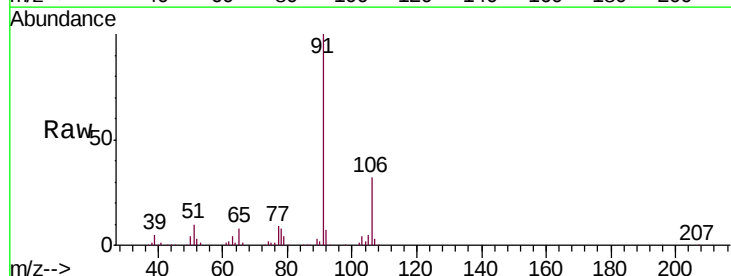


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

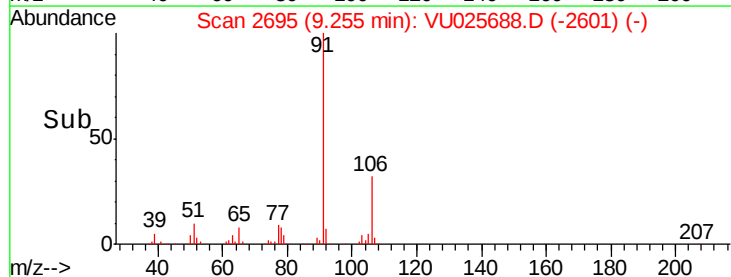
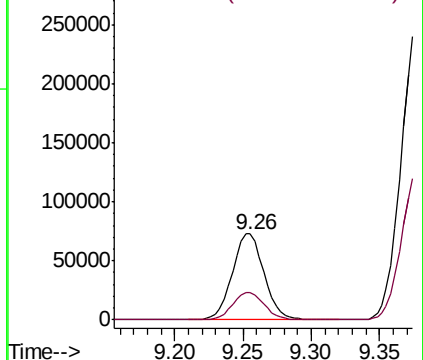


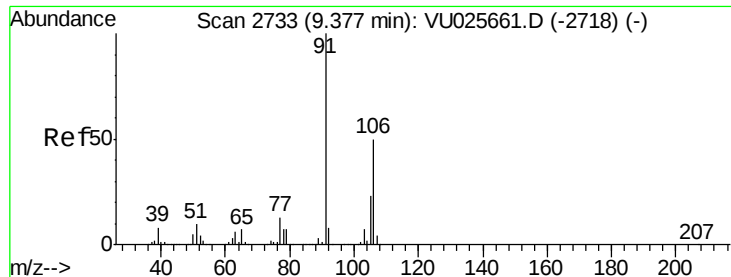
#67
Ethyl Benzene
Concen: 10.52 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Tgt Ion: 91 Resp: 117805
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9



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

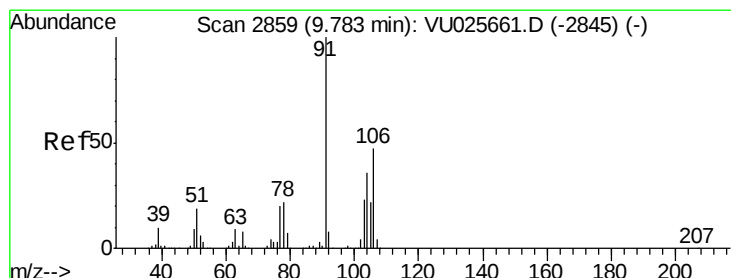
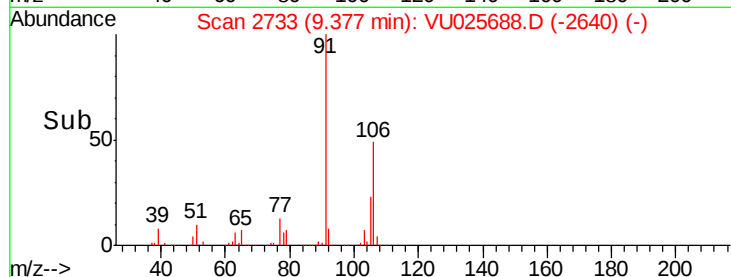
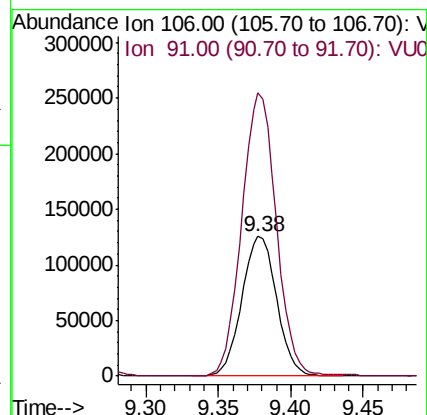
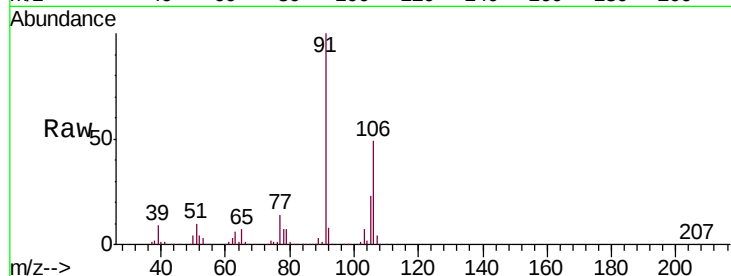




#68
m/p-Xylenes
Concen: 48.78 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

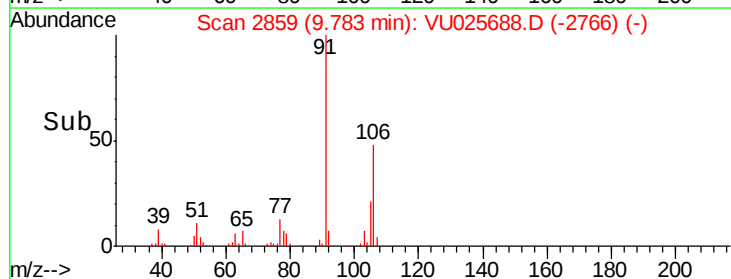
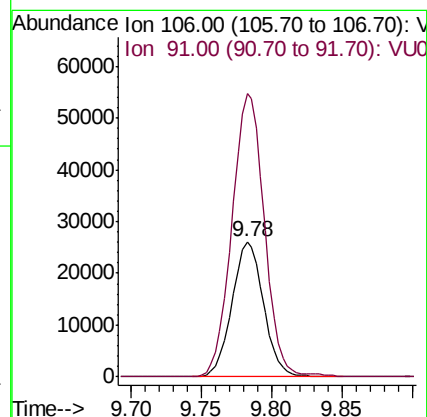
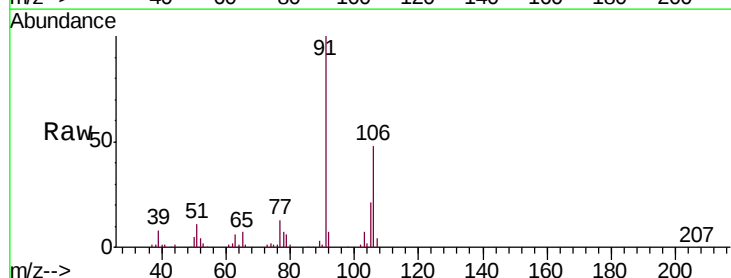
Instrument :
MSVOA_U
ClientSampleId :
FL-0507DL

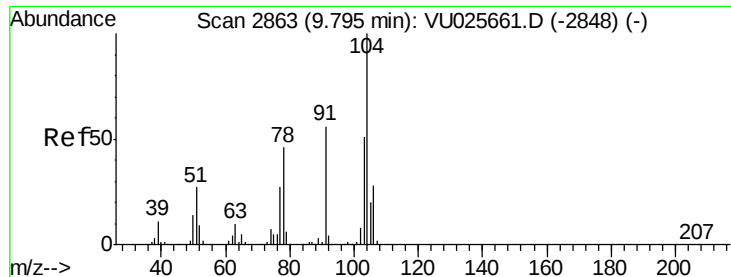
Tot Ion:106 Resp: 209755
Ion Ratio Lower Upper
106 100
91 201.4 162.3 243.5



#69
o-Xylene
Concen: 9.73 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Tgt Ion:106 Resp: 40881
Ion Ratio Lower Upper
106 100
91 216.0 105.3 315.8





#70

Stvrene

Concen: 0.41 ug/l

RT: 9.79 min Scan# 2861

Delta R.T. -0.01 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampled :

FL-0507DL

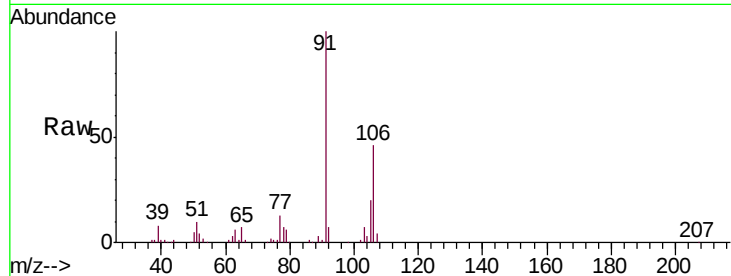
Tot Ion:104 Resp: 2797

Ion Ratio Lower Upper

104 100

78 244.2 41.6 62.4#

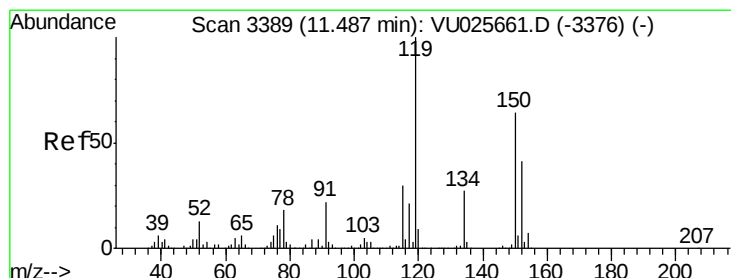
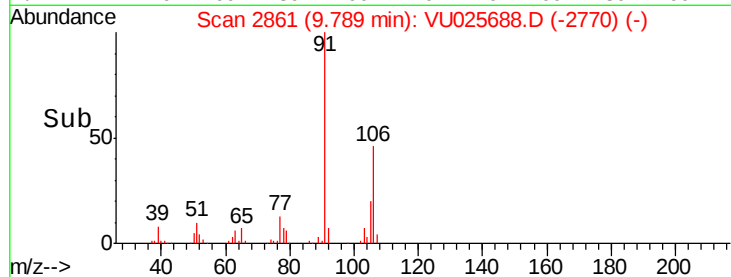
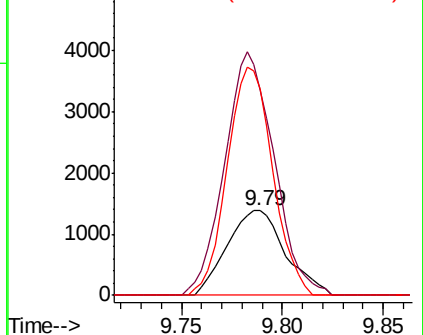
103 210.9 44.6 66.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

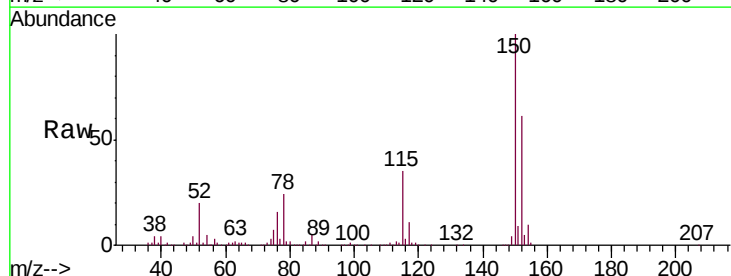
Tgt Ion:152 Resp: 157917

Ion Ratio Lower Upper

152 100

115 57.7 40.1 120.3

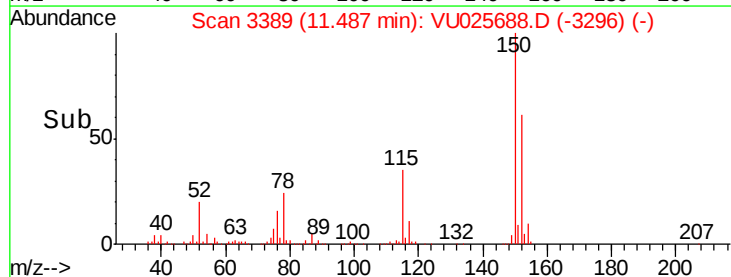
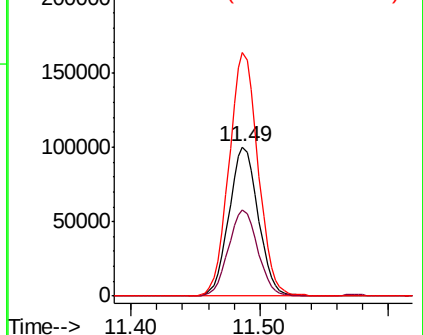
150 161.5 0.0 351.4

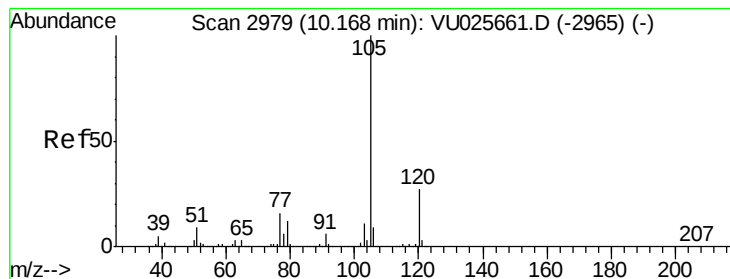


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.31 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

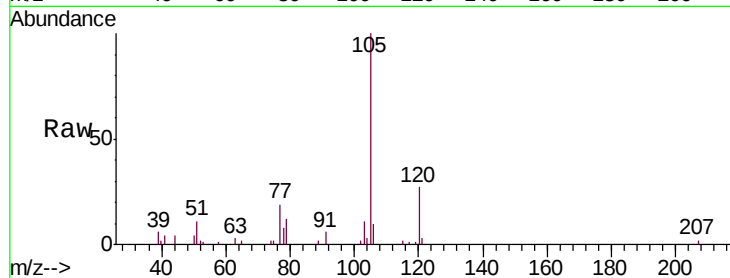
FL-0507DL

Tot Ion:105 Resp: 14140

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

10000

8000

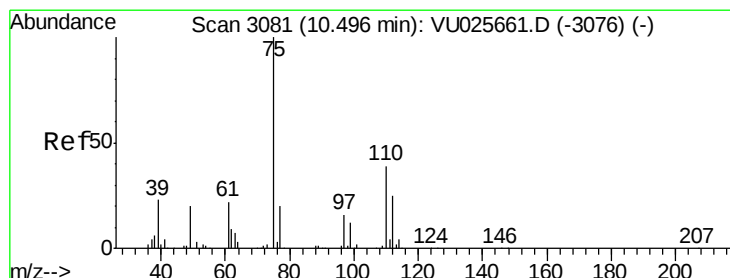
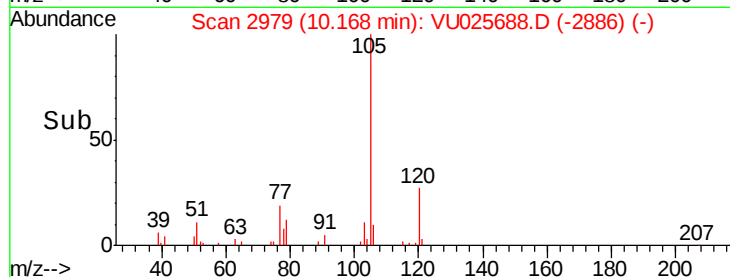
6000

4000

2000

0

Time--> 10.10 10.15 10.20



#76

1,2,3-Trichloropropane

Concen: 23.02 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025688.D

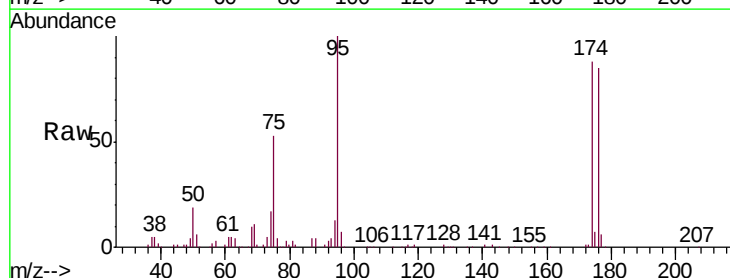
Acq: 27 Jul 2018 23:31

Tgt Ion: 75 Resp: 80097

Ion Ratio Lower Upper

75 100

77 1.0 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

60000

50000

40000

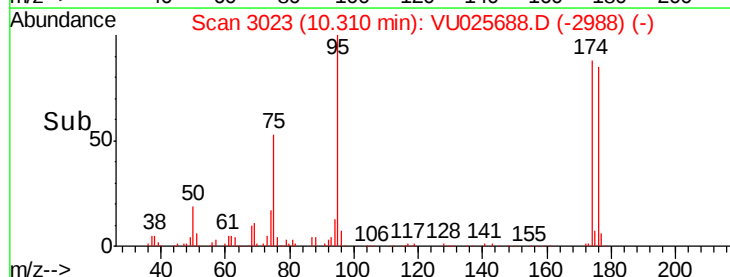
30000

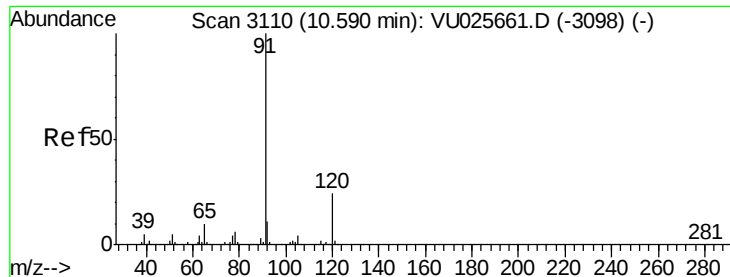
20000

10000

0

Time--> 10.30 10.40





#78

n-propylbenzene

Concen: 1.19 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

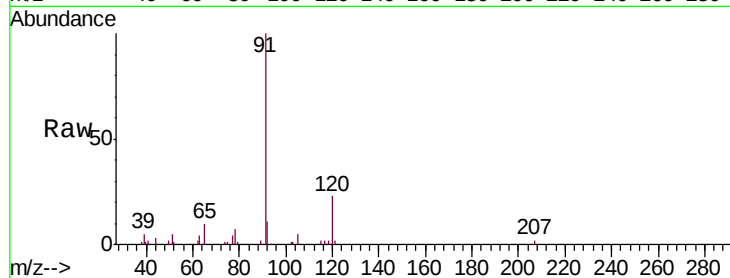
FL-0507DL

Tot Ion: 91 Resp: 15022

Ion Ratio Lower Upper

91 100

120 22.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.59

8000

6000

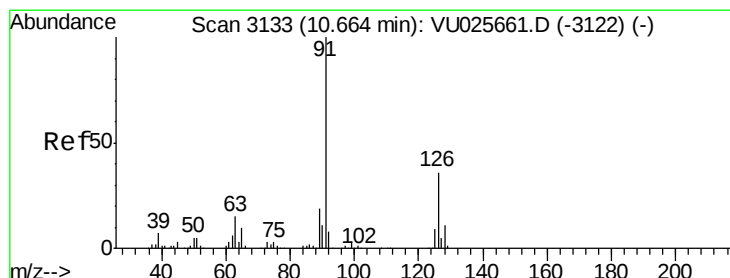
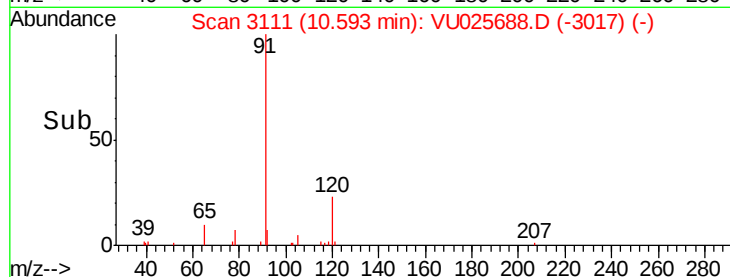
4000

2000

0

10.55 10.60 10.65

Time-->



#79

2-Chlorotoluene

Concen: 1.04 ug/l

RT: 10.68 min Scan# 3139

Delta R.T. 0.02 min

Lab File: VU025688.D

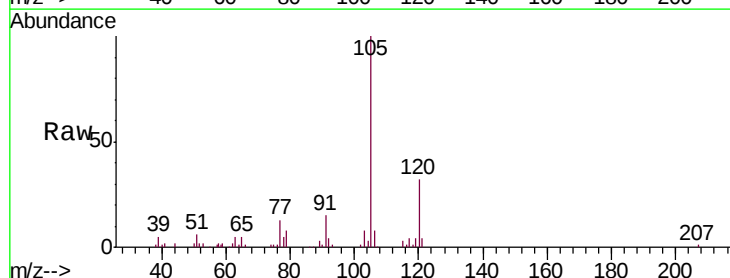
Acq: 27 Jul 2018 23:31

Tgt Ion: 91 Resp: 7683

Ion Ratio Lower Upper

91 100

126 3.6 17.5 52.6#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

10.68

5000

4000

3000

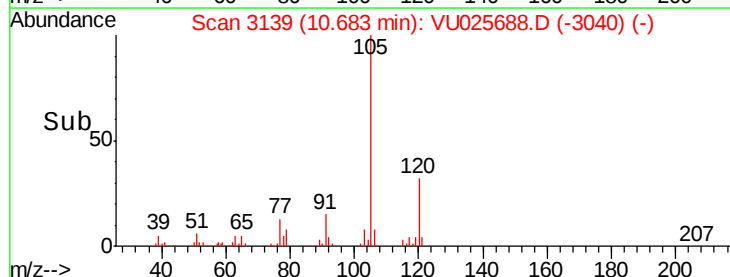
2000

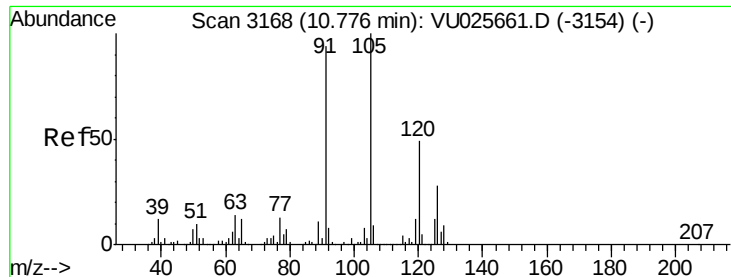
1000

0

10.65 10.70

Time-->

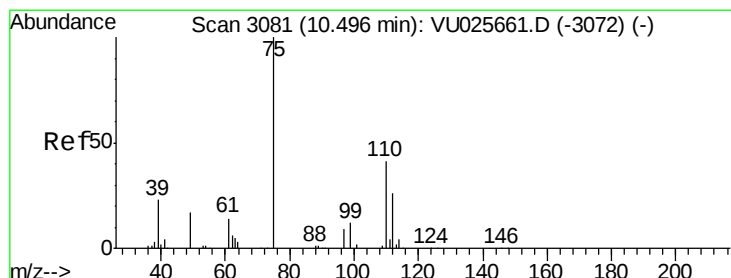
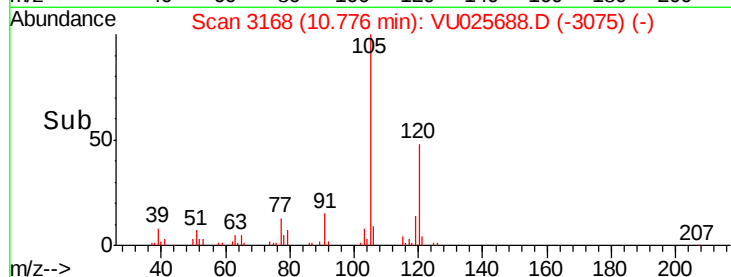
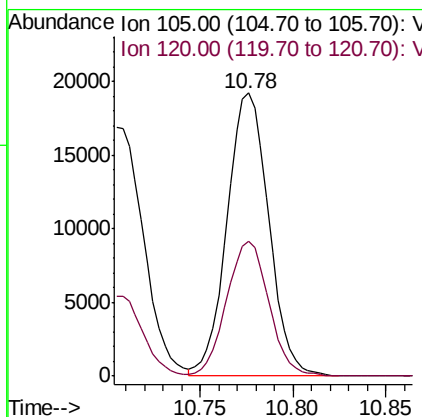
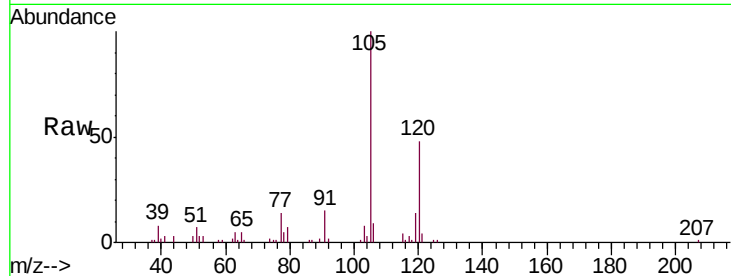




#80
 1,3,5-Trimethylbenzene
 Concen: 3.29 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

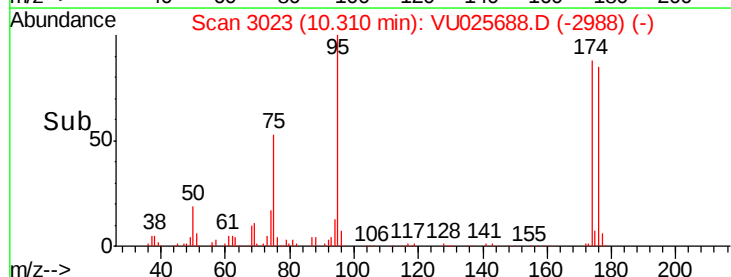
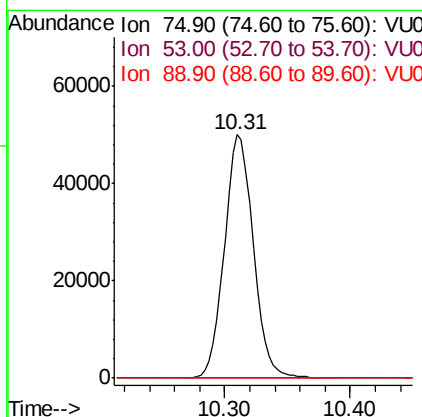
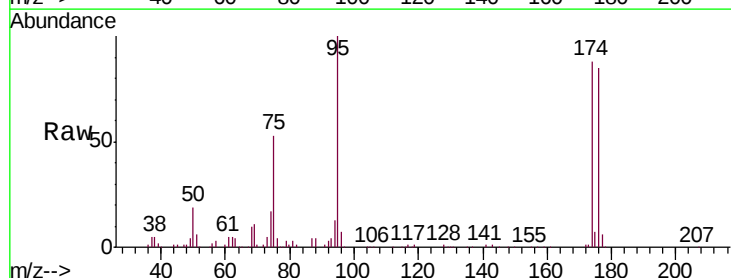
Instrument :
 MSVOA_U
 ClientSampleID :
 FL-0507DL

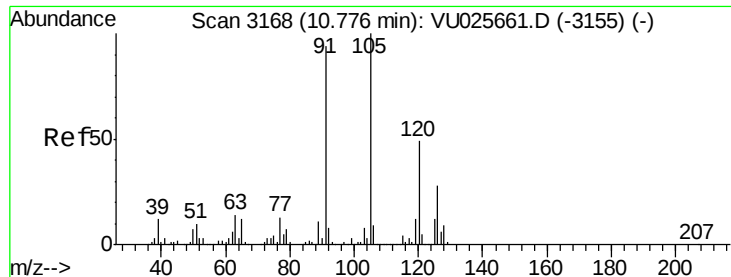
Tot Ion:105 Resp: 30077
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.72 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Tgt Ion: 75 Resp: 80097
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

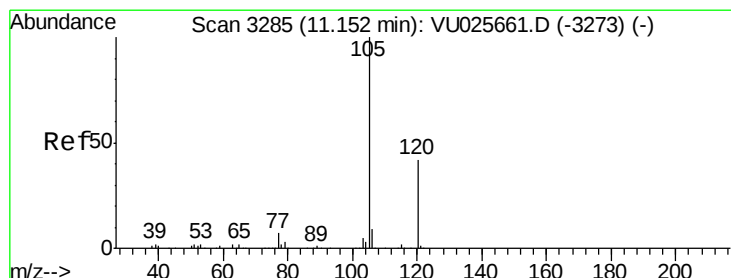
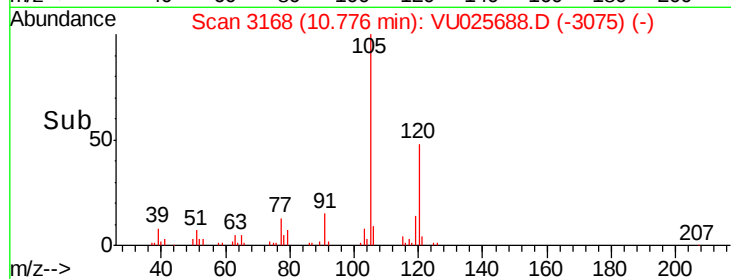
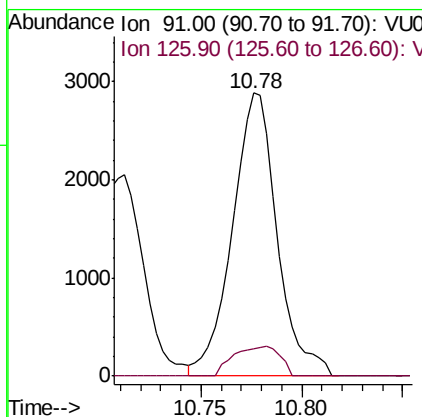
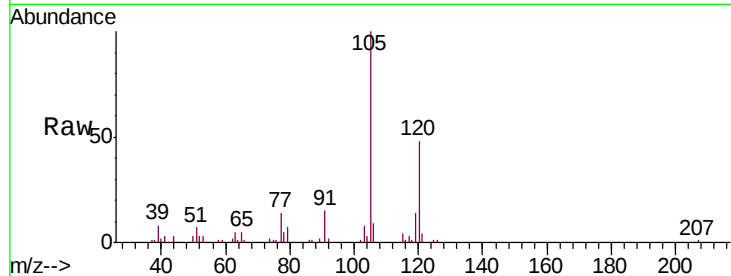




#82
 4-Chlorotoluene
 Concen: 0.52 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

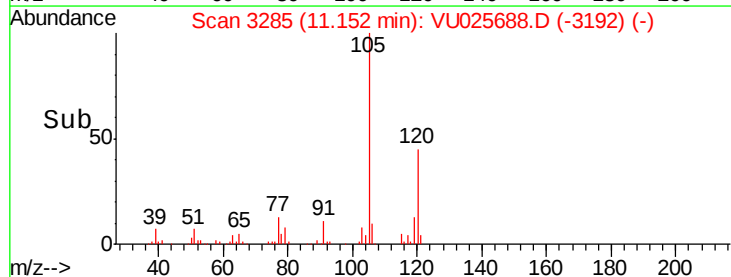
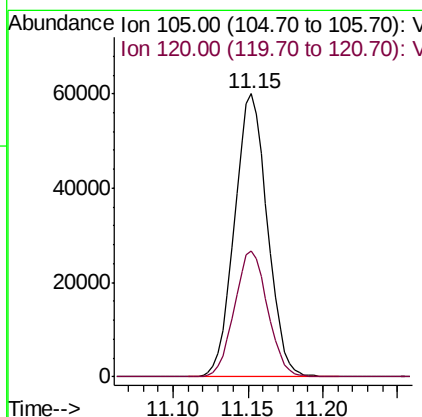
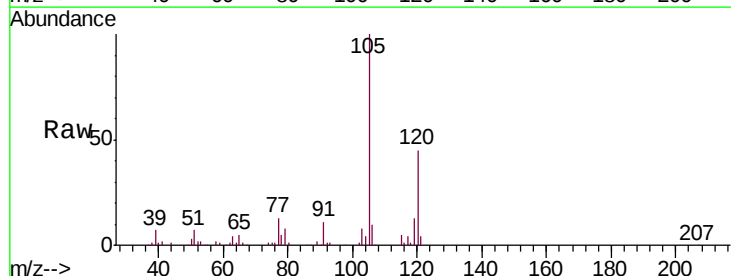
Instrument :
 MSVOA_U
 ClientSampleID :
 FL-0507DL

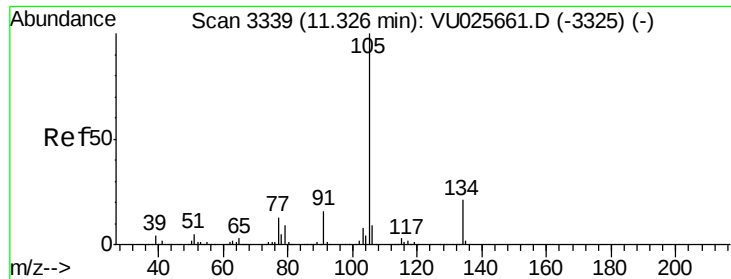
Tot Ion: 91 Resp: 4483
 Ion Ratio Lower Upper
 91 100
 126 11.0 15.3 45.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 9.89 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Tgt Ion: 105 Resp: 91713
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.3 66.8





#85

sec-Butylbenzene

Concen: 0.29 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

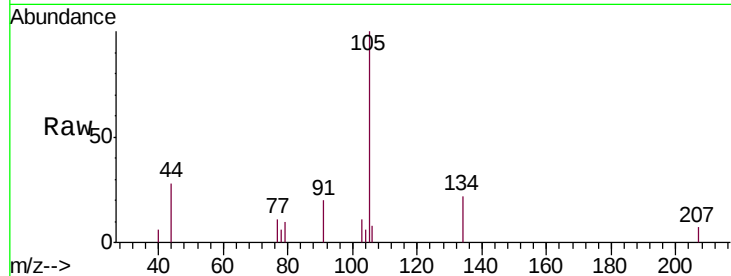
FL-0507DL

Tot Ion:105 Resp: 3268

Ion Ratio Lower Upper

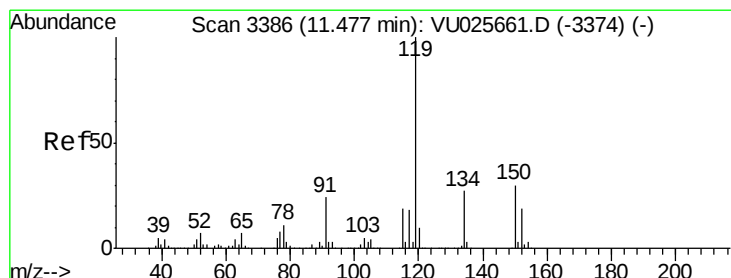
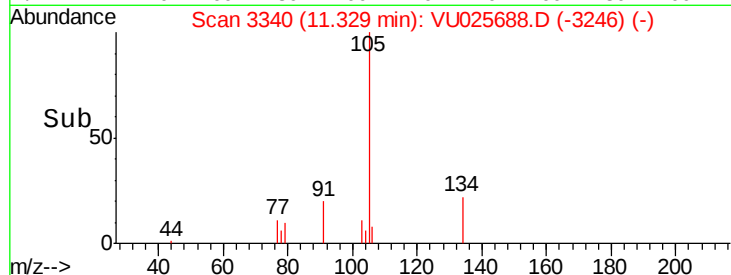
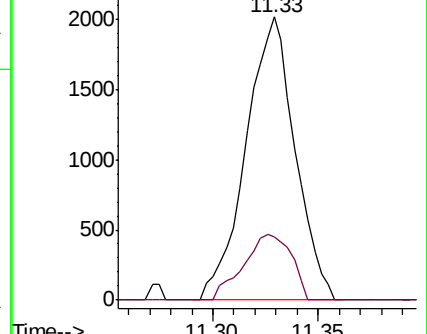
105 100

134 22.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.27 ug/l

RT: 11.44 min Scan# 3373

Delta R.T. -0.04 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

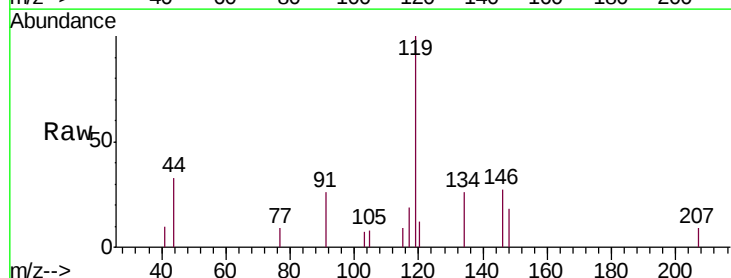
Tgt Ion:119 Resp: 2638

Ion Ratio Lower Upper

119 100

134 25.5 13.2 39.5

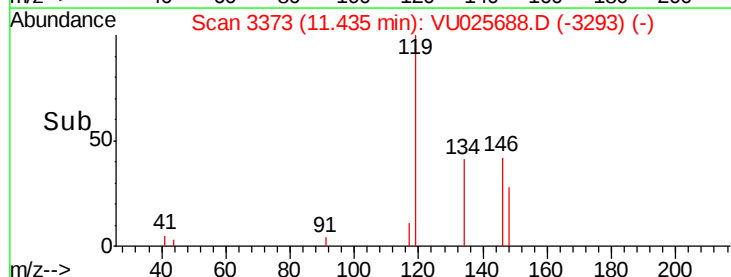
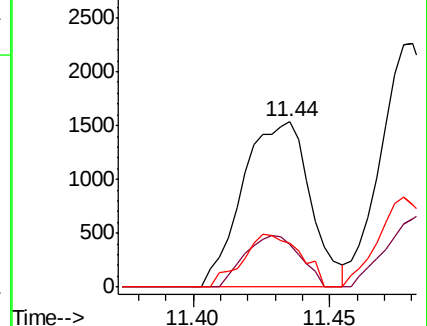
91 27.2 12.0 36.1

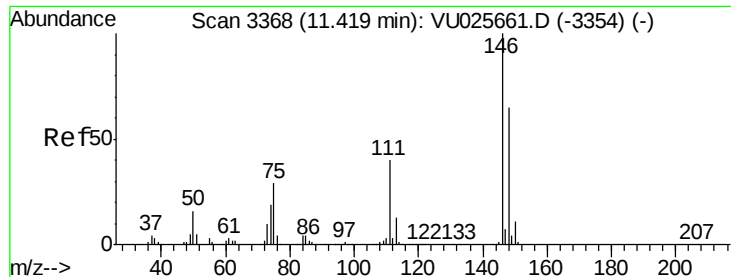


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 0.21 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

Instrument :

MSVOA_U

ClientSampleId :

FL-0507DL

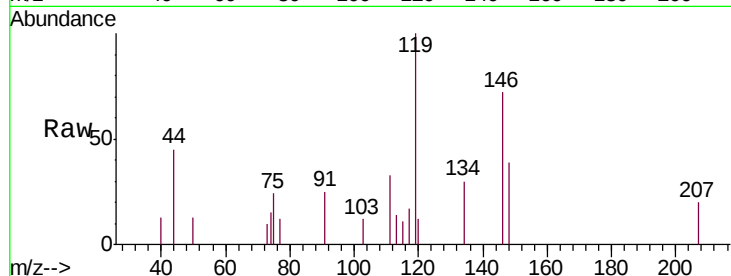
Tot Ion:146 Resp: 1182

Ion Ratio Lower Upper

146 100

111 35.7 19.7 59.1

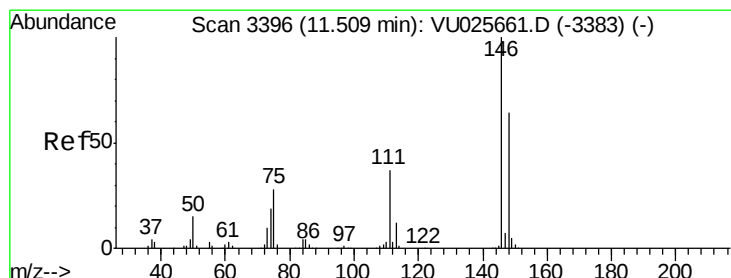
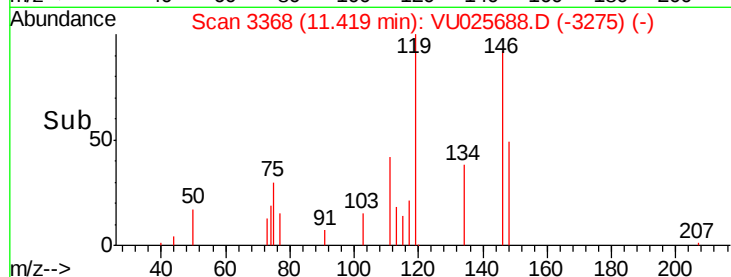
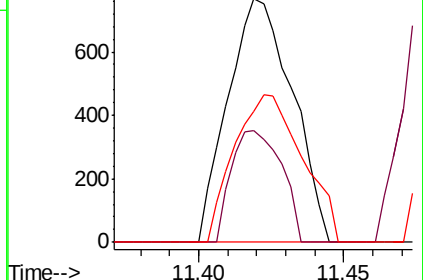
148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.21 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.09 min

Lab File: VU025688.D

Acq: 27 Jul 2018 23:31

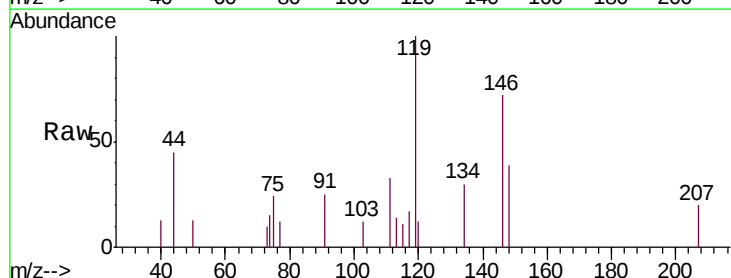
Tgt Ion:146 Resp: 1182

Ion Ratio Lower Upper

146 100

111 35.7 19.4 58.1

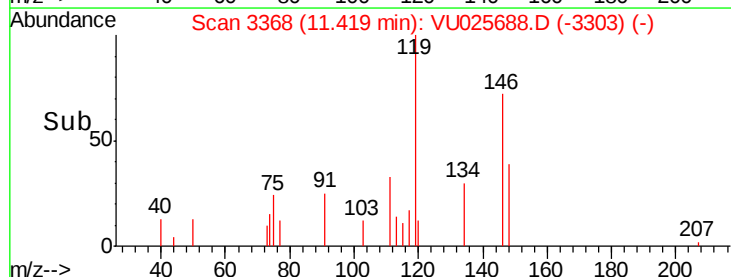
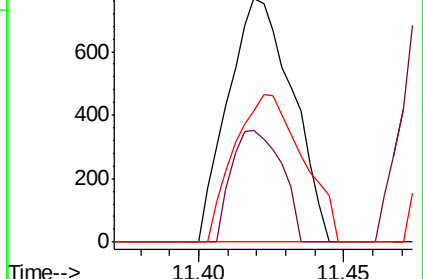
148 64.3 31.7 95.1

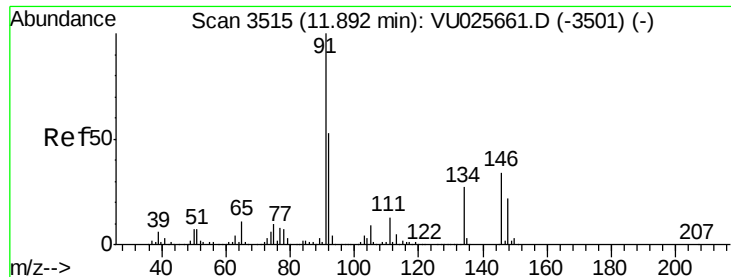


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

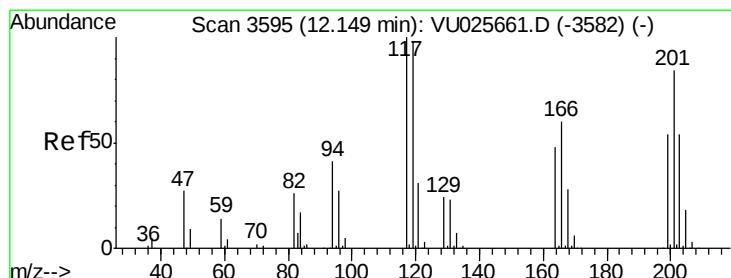
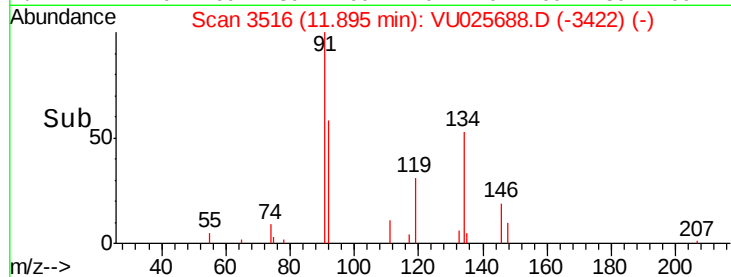
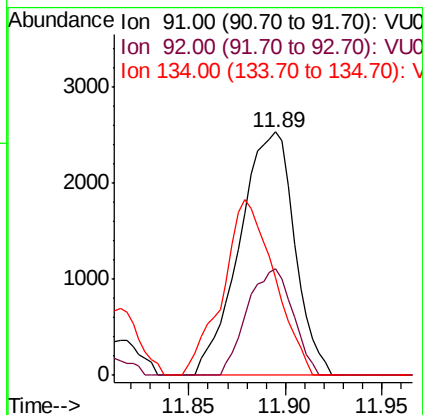
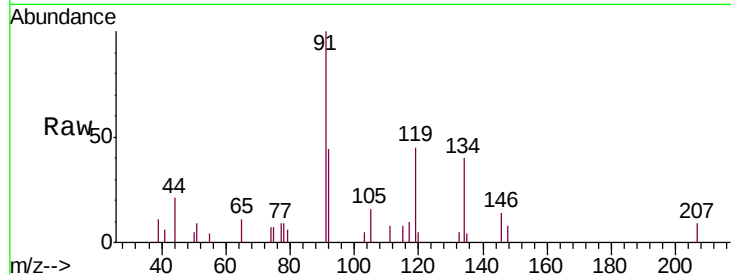




#89
n-Butylbenzene
Concen: 0.55 ug/l
RT: 11.89 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

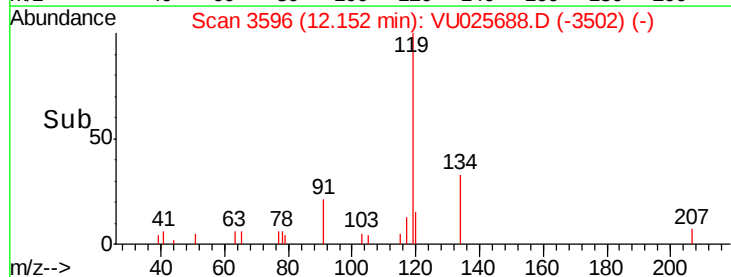
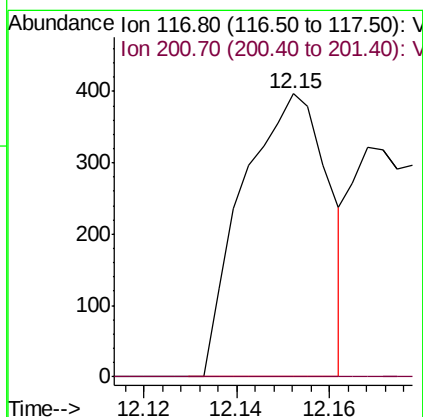
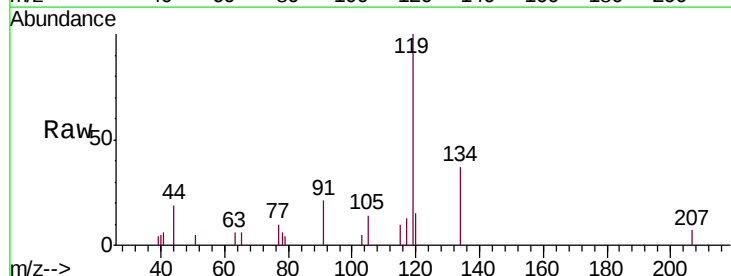
Instrument :
MSVOA_U
ClientSampleId :
FL-0507DL

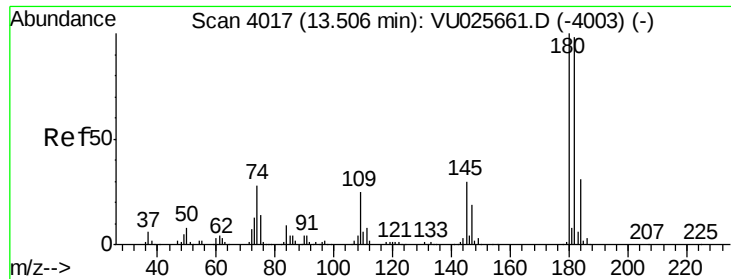
Tot Ion: 91 Resp: 5016
Ion Ratio Lower Upper
91 100
92 36.3 26.5 79.5
134 67.5 13.6 40.7#



#90
Hexachloroethane
Concen: 0.29 ug/l
RT: 12.15 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Tgt Ion: 117 Resp: 511
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#

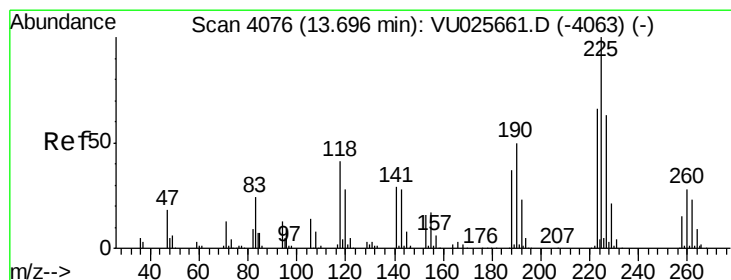
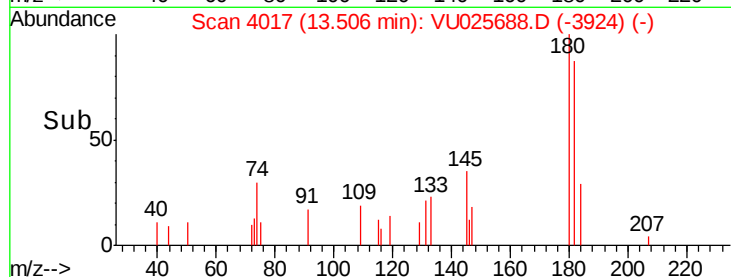
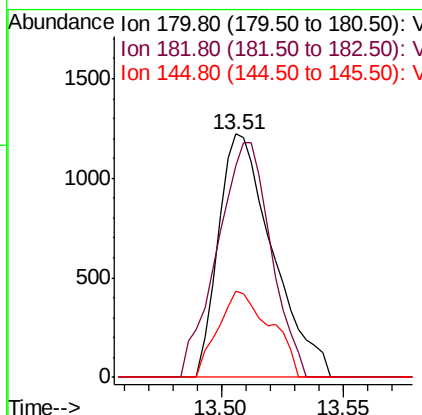
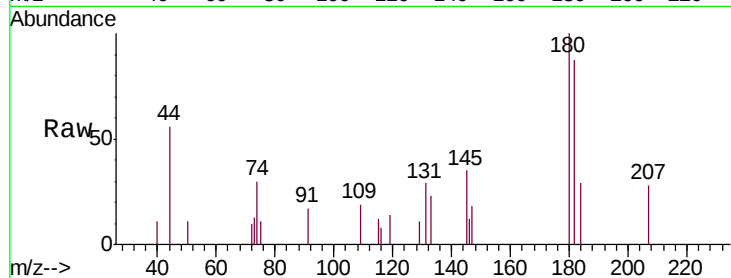




#93
 1,2,4-Trichlorobenzene
 Concen: 0.52 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

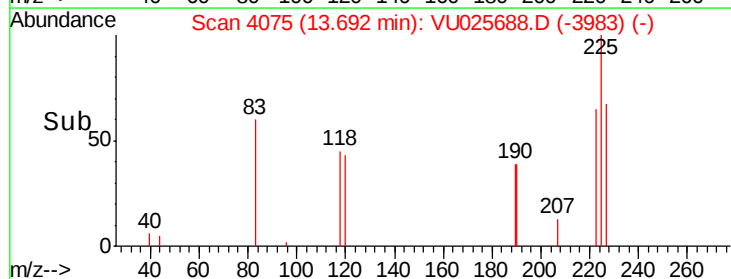
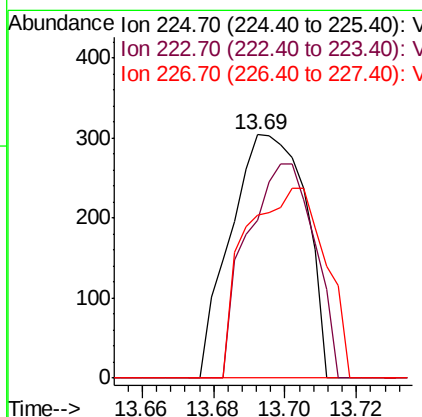
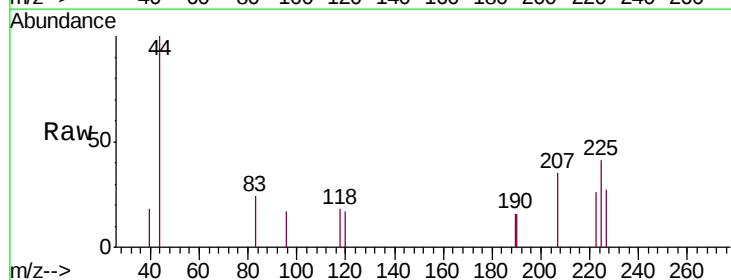
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0507DL

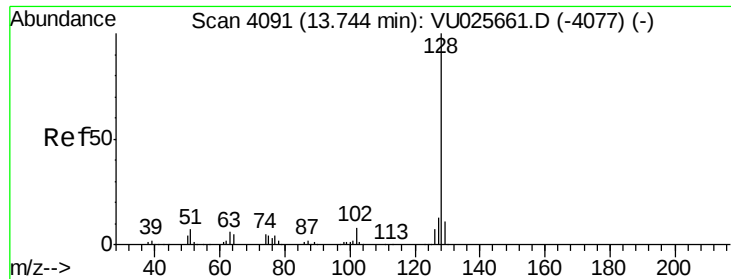
Tot Ion	180	Resp	1887
Ion Ratio	100	Lower	Upper
182	95.3	47.3	141.9
145	34.4	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 0.23 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU025688.D
 Acq: 27 Jul 2018 23:31

Tgt Ion	225	Resp	439
Ion Ratio	100	Lower	Upper
223	79.5	31.9	95.7
227	82.9	32.3	96.9

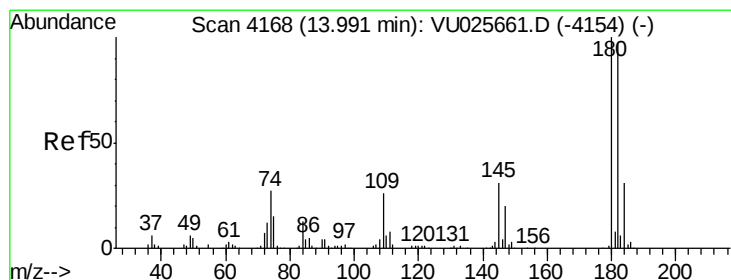
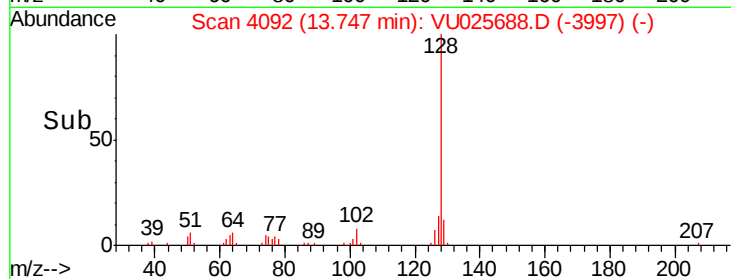
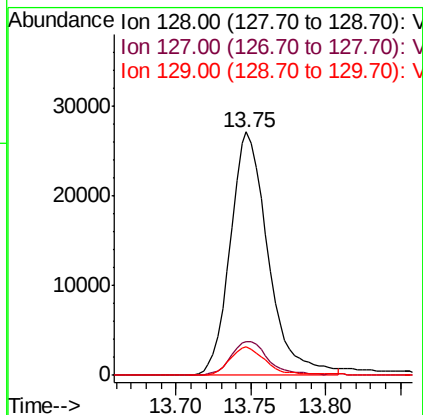
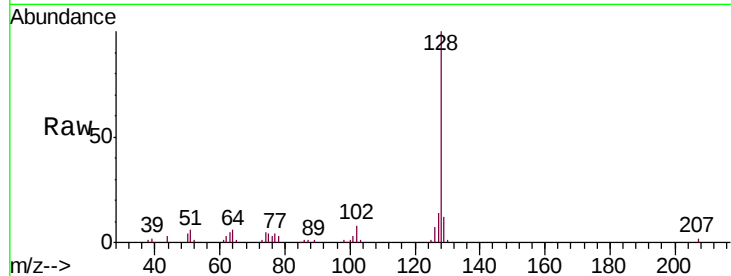




#95
Naphthalene
Concen: 5.23 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Instrument :
MSVOA_U
ClientSampleId :
FL-0507DL

Tot Ion:128 Resp: 47909
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 11.1 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 0.45 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025688.D
Acq: 27 Jul 2018 23:31

Tgt Ion:180 Resp: 1638
Ion Ratio Lower Upper
180 100
182 108.8 47.8 143.3
145 26.4 15.6 46.8

