

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025690.D
 Acq On : 28 Jul 2018 00:18
 Operator : MD/SY
 Sample : J4154-09DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0510DL

Quant Time: Jul 28 05:30:35 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	173928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270428	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178414	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	132688	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	4.88	113	109976	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	7.57	98	394027	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	10.31	95	166576	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	627	0.25	ug/l #	81
5) Bromomethane	1.61	94	718	0.62	ug/l	96
6) Chloroethane	1.63	64	291	0.21	ug/l #	43
10) Methyl Iodide	2.41	142	1098	9.09	ug/l #	78
11) Tert butyl alcohol	2.83	59	6465	10.90	ug/l #	73
13) Acrolein	2.19	56	100	Below Cal	#	78
14) Allyl chloride	2.70	41	1511	0.45	ug/l #	47
16) Acetone	2.29	43	1925	1.46	ug/l #	70
18) Methyl Acetate	2.70	43	3443	1.08	ug/l #	52
29) Tetrahydrofuran	4.65	42	217	0.20	ug/l #	39
31) Cyclohexane	4.99	56	13924	2.75	ug/l #	80
36) 1,1-Dichloropropene	4.98	75	13101	4.15	ug/l #	49
38) Carbon Tetrachloride	4.99	117	17439	4.87	ug/l #	16
39) Methylcyclohexane	6.42	83	6356	1.76	ug/l #	92
40) Benzene	5.39	78	3129	0.34	ug/l #	87
52) Toluene	7.64	92	2388	0.42	ug/l	97
67) Ethyl Benzene	9.25	91	178382	15.46	ug/l	100
68) m/p-Xylenes	9.38	106	155298	35.05	ug/l	99
69) o-Xylene	9.78	106	95628	22.09	ug/l	97
70) Styrene	9.78	104	5208	0.74	ug/l #	1
73) Isopropylbenzene	10.17	105	27033	2.22	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	87063	22.15	ug/l #	36
78) n-propylbenzene	10.59	91	42494	2.99	ug/l	97
79) 2-Chlorotoluene	10.68	91	24508	2.94	ug/l #	40
80) 1,3,5-Trimethylbenzene	10.77	105	72779	7.04	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.31	75	87063	55.54	ug/l #	100
82) 4-Chlorotoluene	10.77	91	8720	0.89	ug/l #	47
83) tert-Butylbenzene	11.15	119	34067	3.32	ug/l #	57
84) 1,2,4-Trimethylbenzene	11.15	105	282110	26.92	ug/l	99
85) sec-Butylbenzene	11.15	105	282110	22.49	ug/l #	56
86) p-Isopropyltoluene	11.43	119	6984	0.62	ug/l	96
89) n-Butylbenzene	11.89	91	5222	0.50	ug/l #	30
90) Hexachloroethane	12.15	117	844	0.42	ug/l #	7
95) Naphthalene	13.75	128	61423	5.77	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration

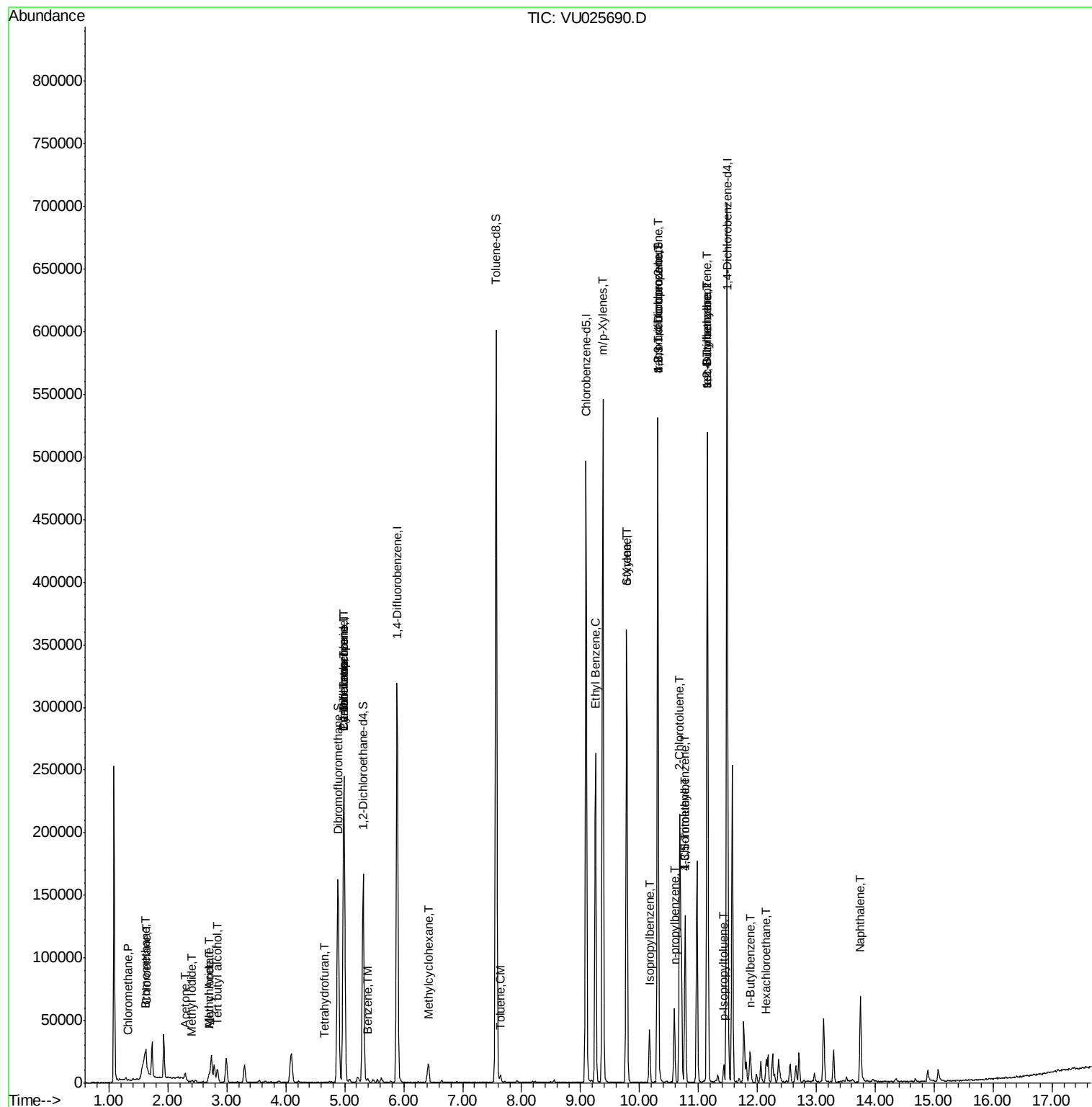
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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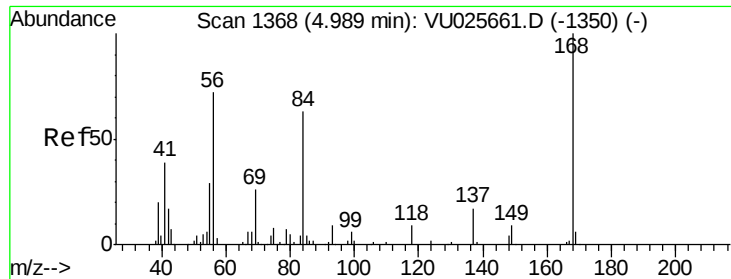
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

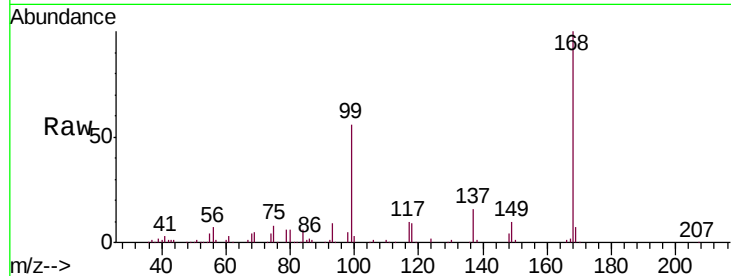
FL-0510DL

Tot Ion:168 Resp: 173928

Ion Ratio Lower Upper

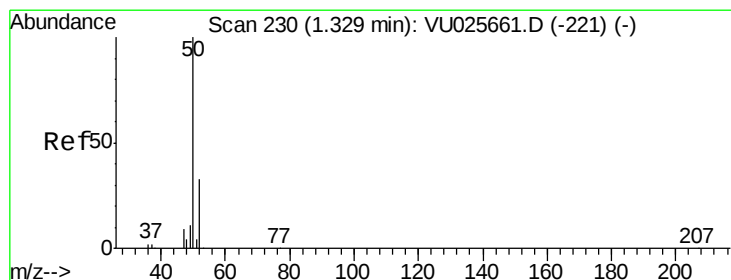
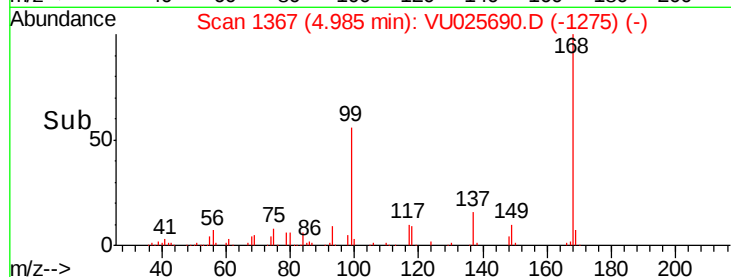
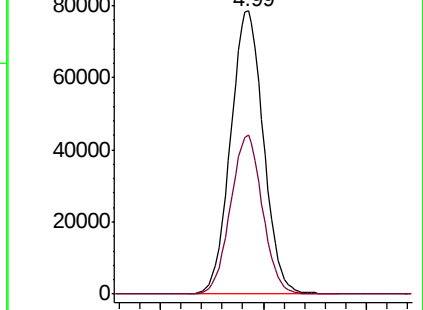
168 100

99 56.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025690.D

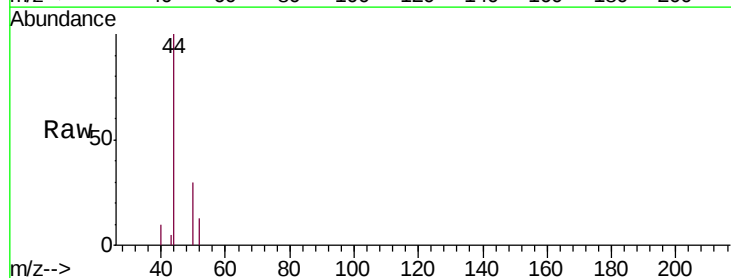
Acq: 28 Jul 2018 00:18

Tgt Ion: 50 Resp: 627

Ion Ratio Lower Upper

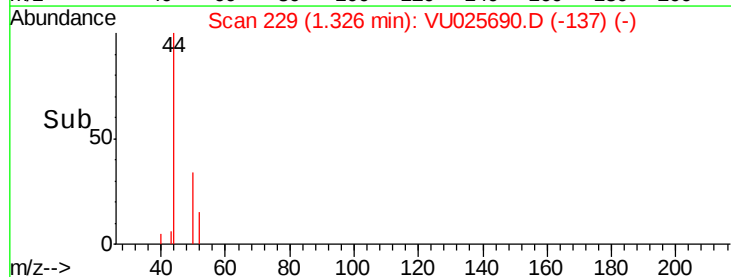
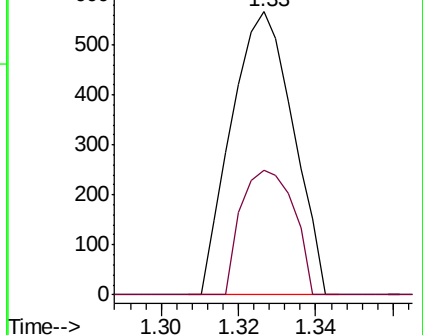
50 100

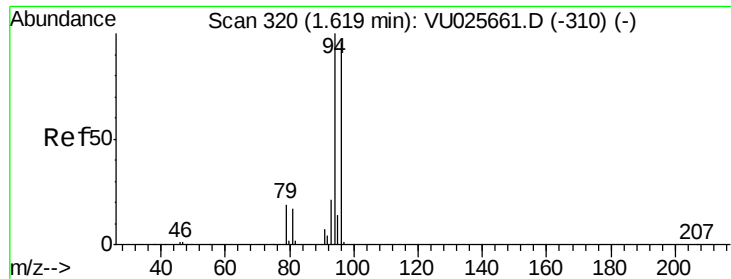
52 44.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VU025661.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025661.D (-221) (-)





#5

Bromomethane

Concen: 0.62 ug/l

RT: 1.61 min Scan# 316

Delta R.T. -0.01 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampled :

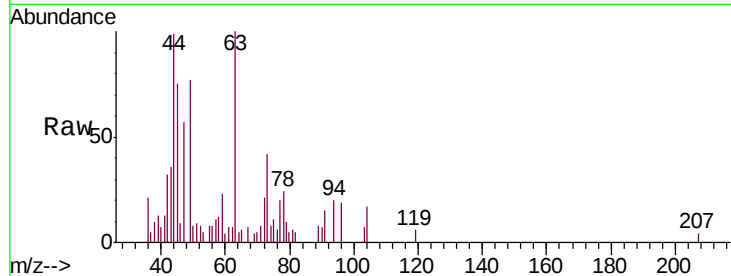
FL-0510DL

Tot Ion: 94 Resp: 718

Ion Ratio Lower Upper

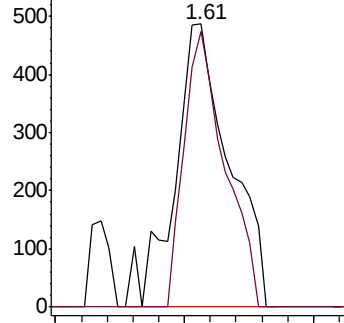
94 100

96 97.3 75.0 112.4

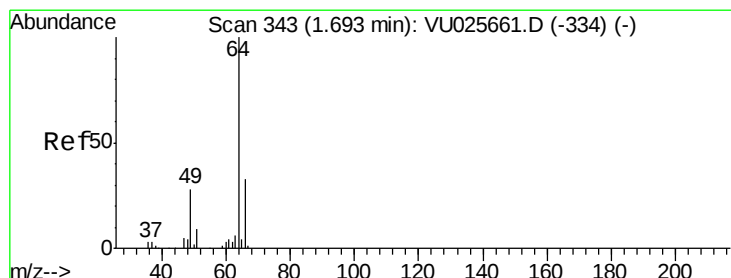
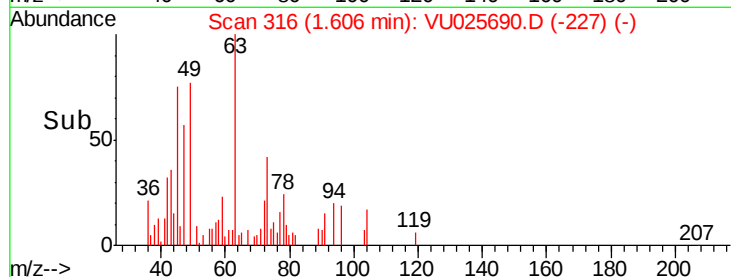


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time--> 1.55 1.60 1.65



#6

Chloroethane

Concen: 0.21 ug/l

RT: 1.63 min Scan# 322

Delta R.T. -0.07 min

Lab File: VU025690.D

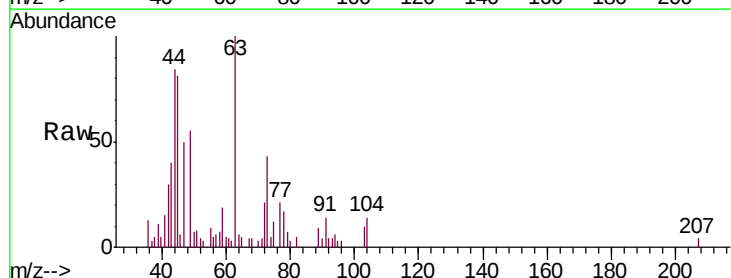
Acq: 28 Jul 2018 00:18

Tgt Ion: 64 Resp: 291

Ion Ratio Lower Upper

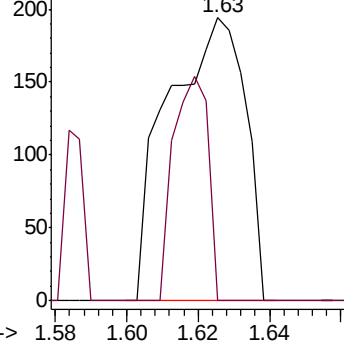
64 100

66 0.0 25.0 37.4#

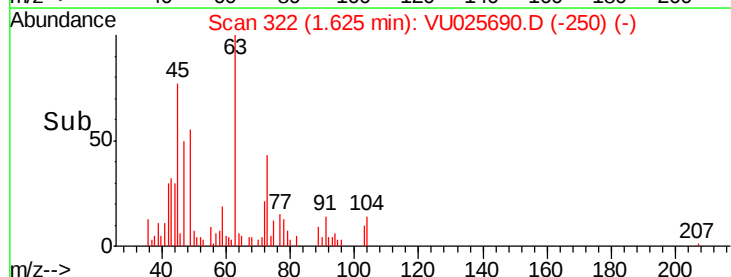


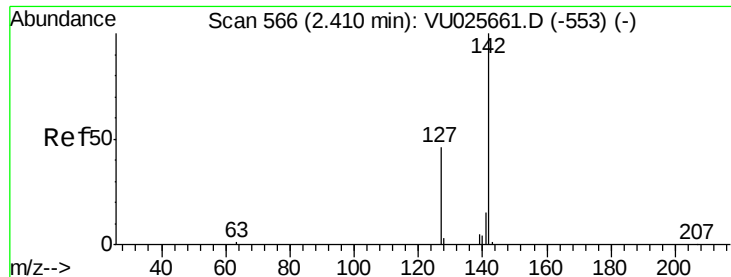
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time--> 1.58 1.60 1.62 1.64

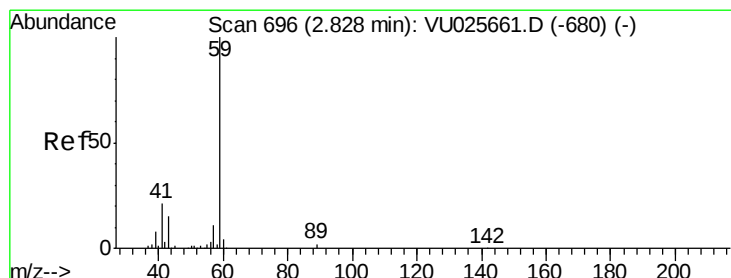
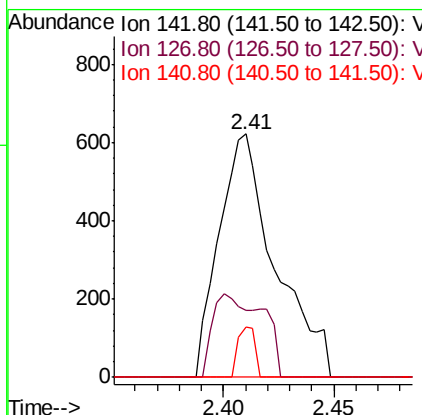
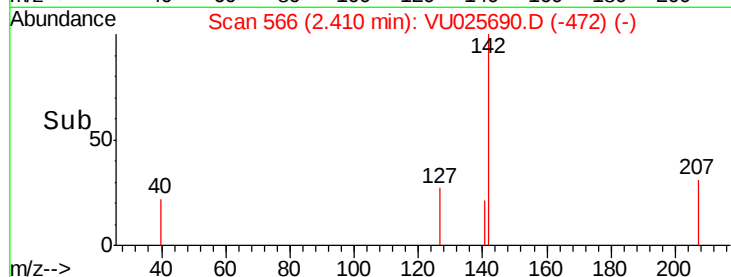
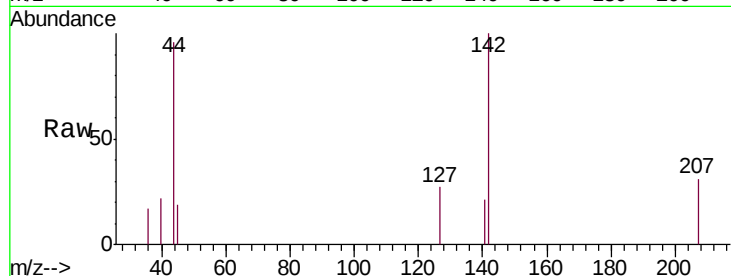




#10
Methyl Iodide
Concen: 9.09 ug/l
RT: 2.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

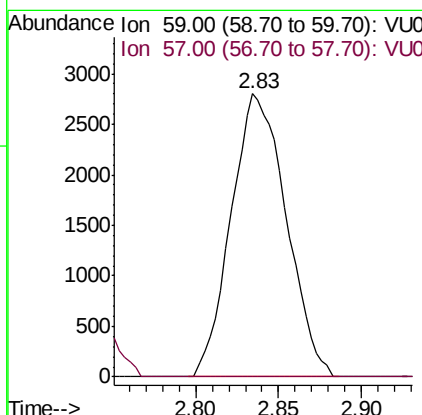
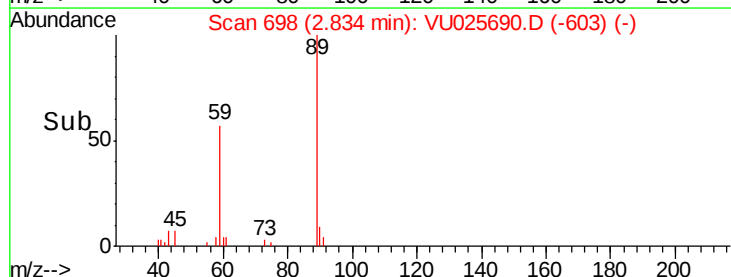
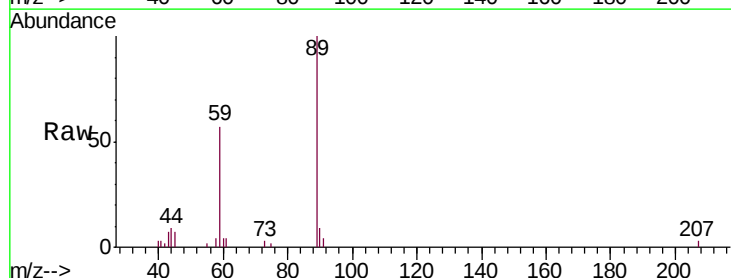
Instrument :
MSVOA_U
ClientSampleId :
FL-0510DL

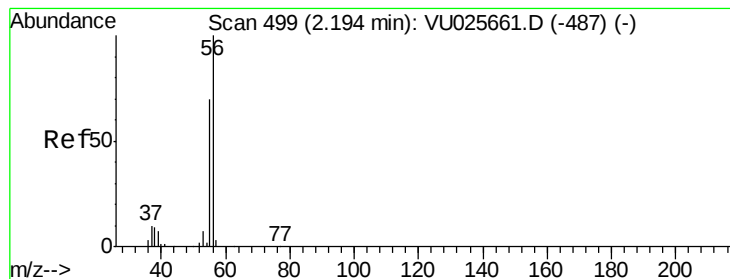
Tot Ion:142 Resp: 1098
Ion Ratio Lower Upper
142 100
127 30.4 36.5 54.7#
141 6.2 11.4 17.2#



#11
Tert butyl alcohol
Concen: 10.90 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Tgt Ion: 59 Resp: 6465
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampled :

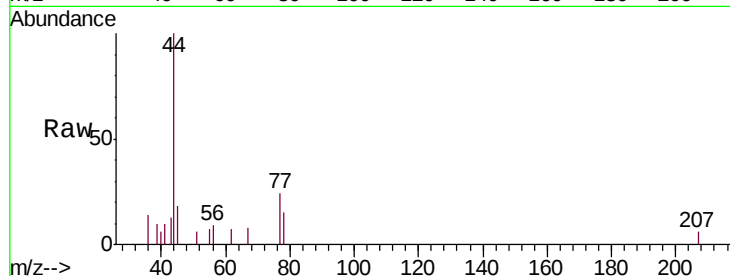
FL-0510DL

Tot Ion: 56 Resp: 100

Ion Ratio Lower Upper

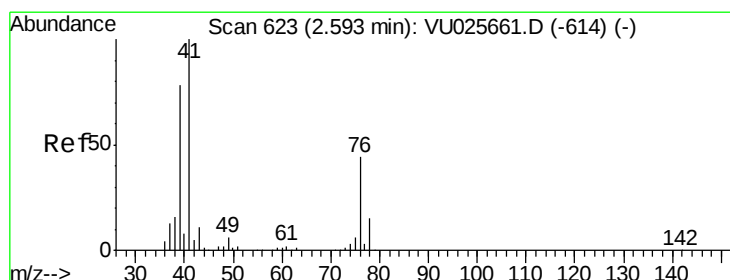
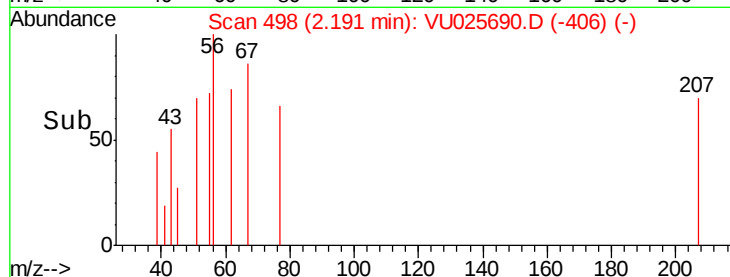
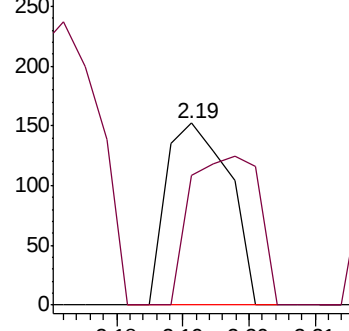
56 100

55 90.0 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: 0.45 ug/l

RT: 2.70 min Scan# 656

Delta R.T. 0.11 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

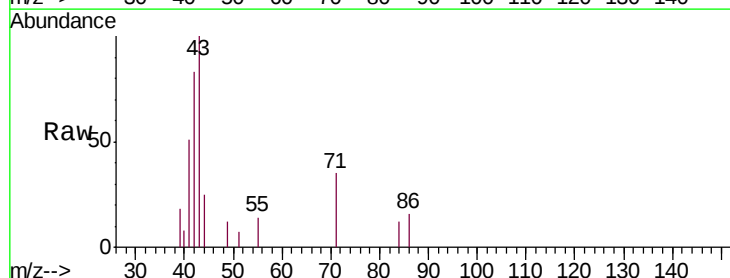
Tgt Ion: 41 Resp: 1511

Ion Ratio Lower Upper

41 100

39 34.5 60.6 91.0#

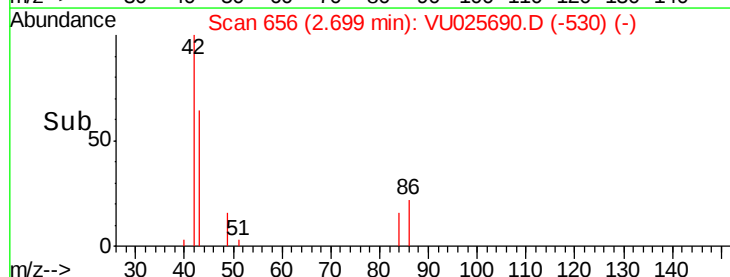
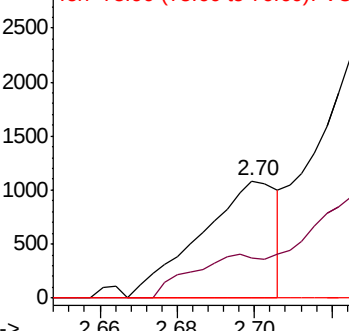
76 0.0 30.5 45.7#

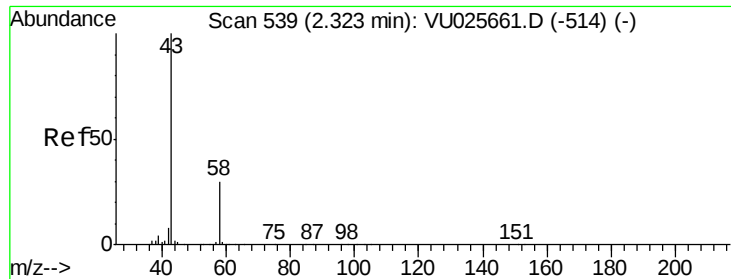


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#16

Acetone

Concen: 1.46 ug/l

RT: 2.29 min Scan# 529

Delta R.T. -0.03 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

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ClientSampleId :

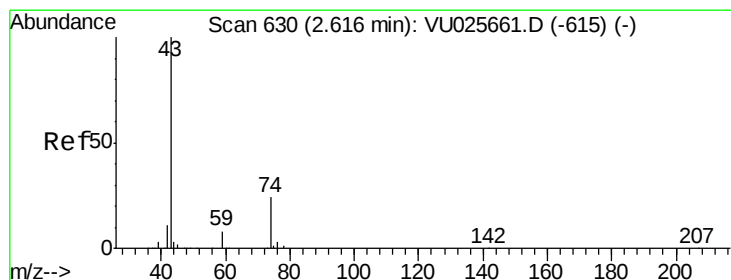
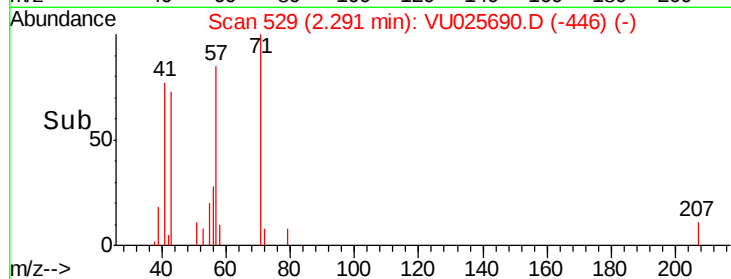
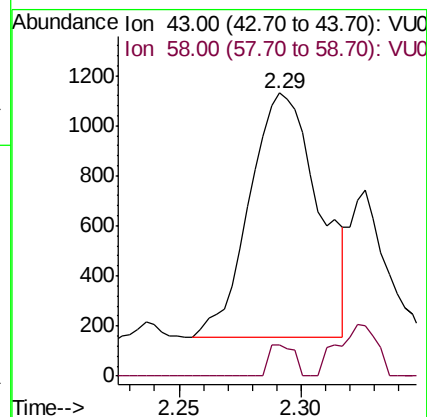
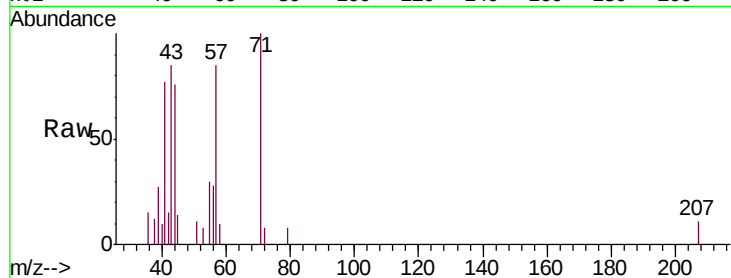
FL-0510DL

Tot Ion: 43 Resp: 1925

Ion Ratio Lower Upper

43 100

58 13.0 23.1 34.7#



#18

Methyl Acetate

Concen: 1.08 ug/l

RT: 2.70 min Scan# 656

Delta R.T. 0.08 min

Lab File: VU025690.D

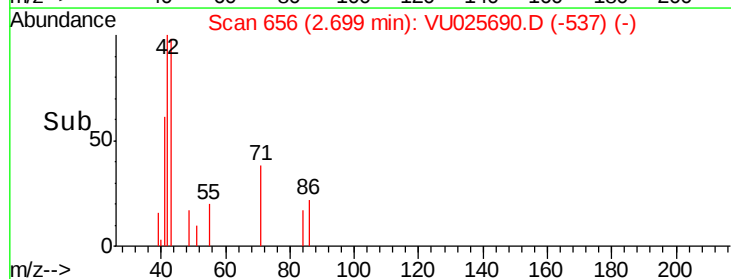
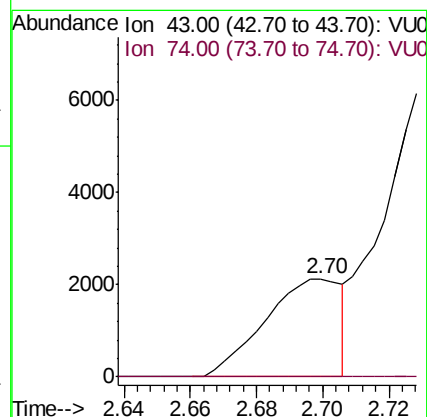
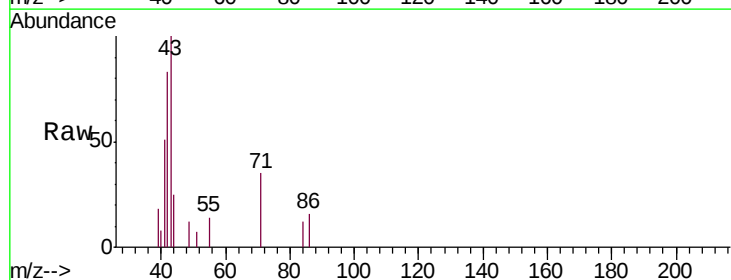
Acq: 28 Jul 2018 00:18

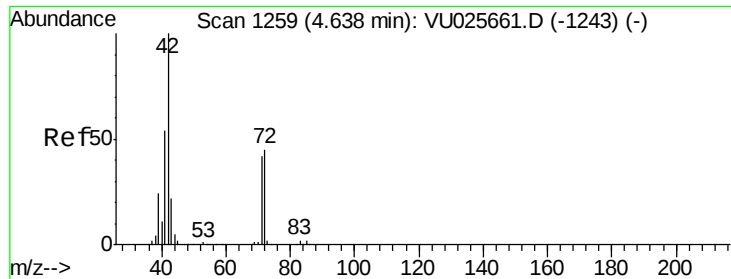
Tgt Ion: 43 Resp: 3443

Ion Ratio Lower Upper

43 100

74 0.0 18.5 27.7#





#29

Tetrahydrofuran

Concen: 0.20 ug/l

RT: 4.65 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampled :

FL-0510DL

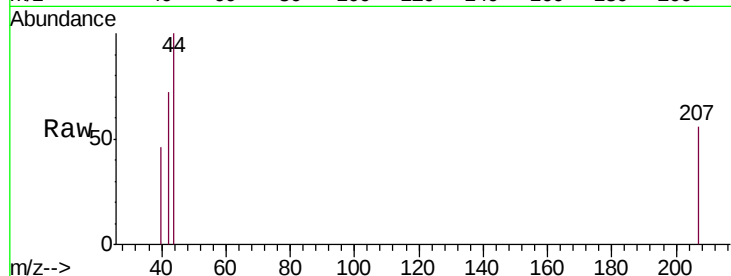
Tot Ion: 42 Resp: 217

Ion Ratio Lower Upper

42 100

72 8.8 36.7 55.1#

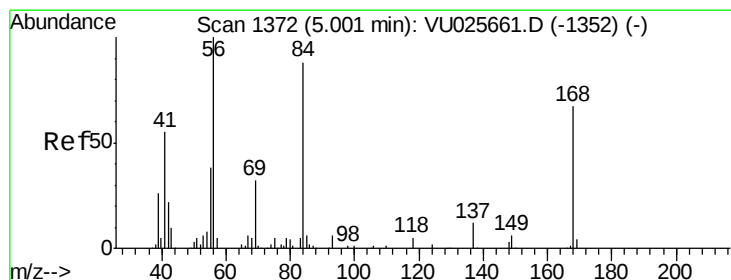
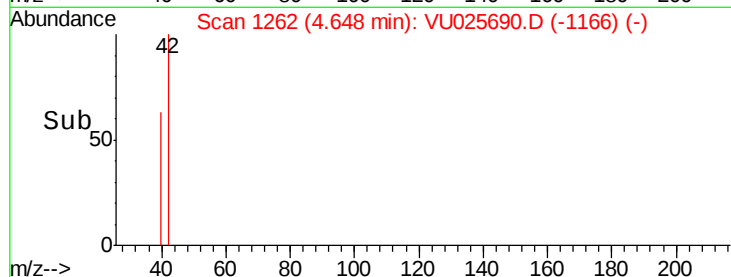
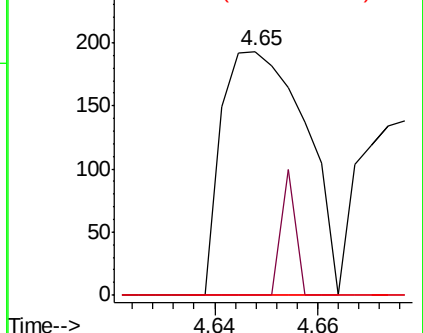
71 0.0 33.9 50.9#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#31

Cyclohexane

Concen: 2.75 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

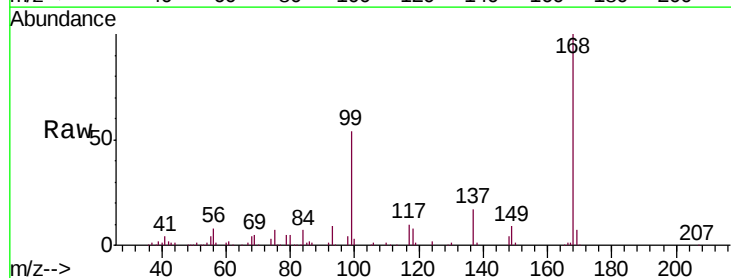
Tgt Ion: 56 Resp: 13924

Ion Ratio Lower Upper

56 100

69 66.7 26.8 40.2#

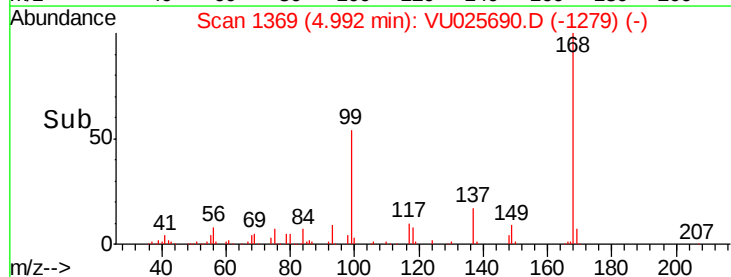
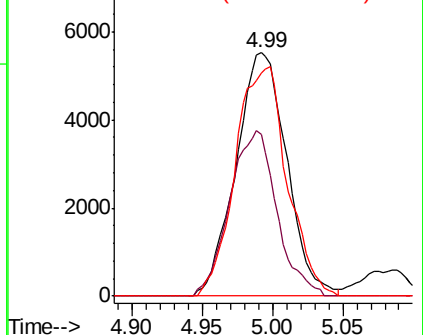
84 91.4 69.7 104.5

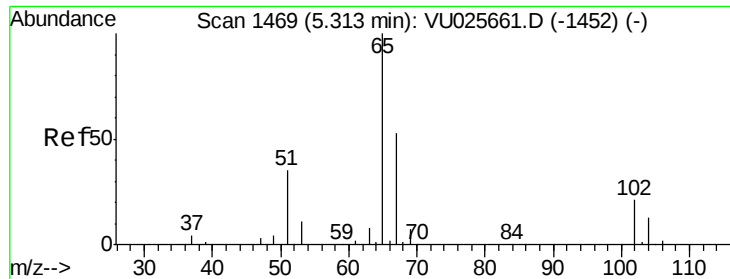


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#33

1,2-Dichloroethane-d4

Concen: 48.96 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

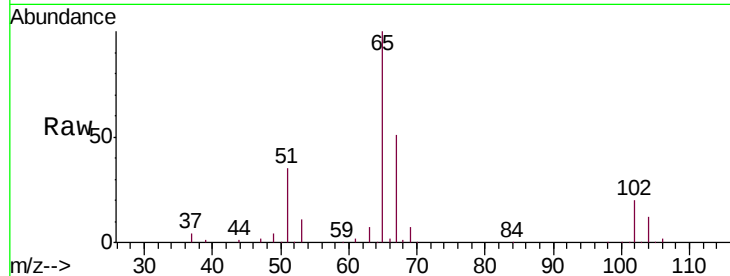
FL-0510DL

Tot Ion: 65 Resp: 132688

Ion Ratio Lower Upper

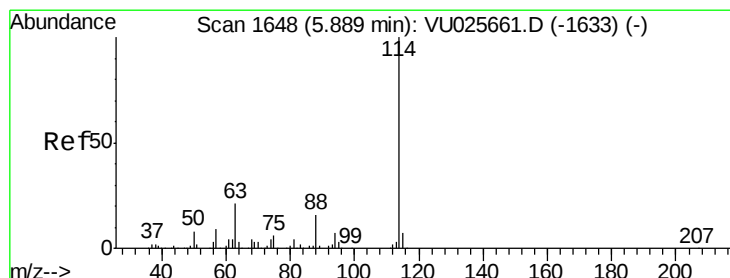
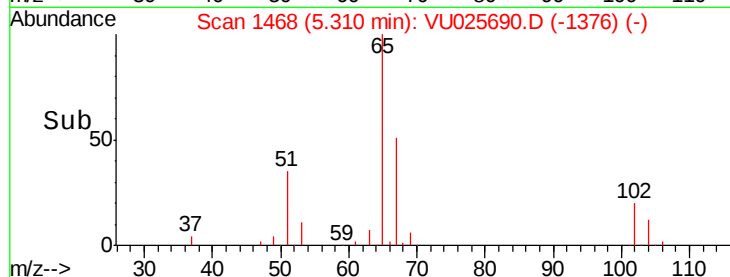
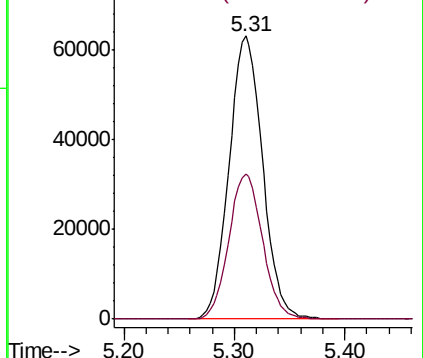
65 100

67 51.7 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# 1648

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

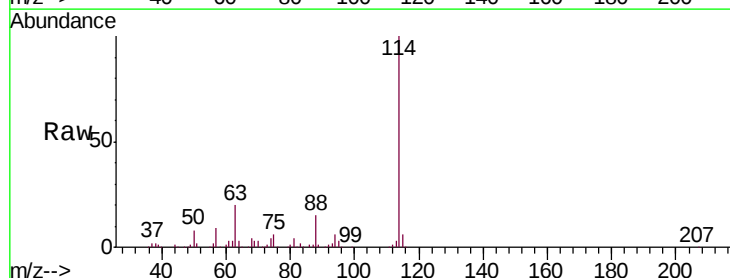
Tgt Ion: 114 Resp: 270428

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

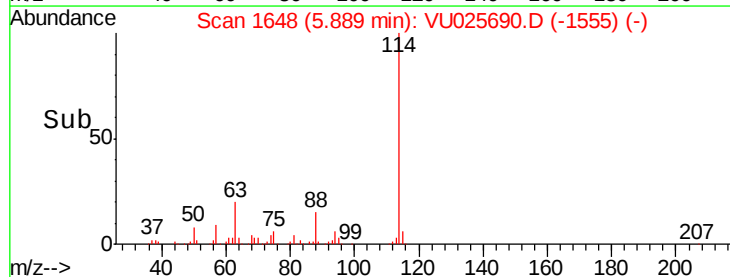
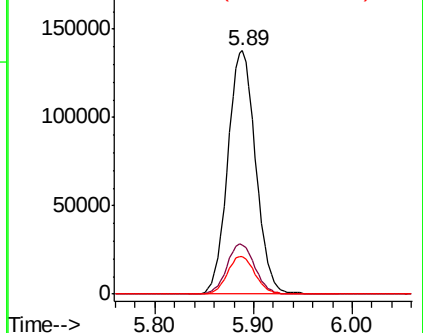
88 15.4 0.0 32.4

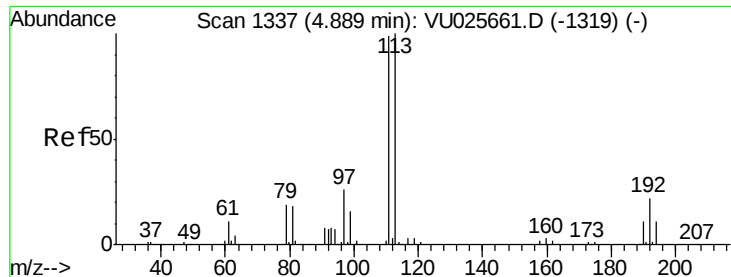


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

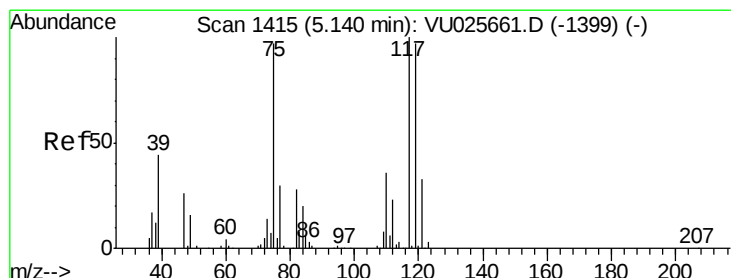
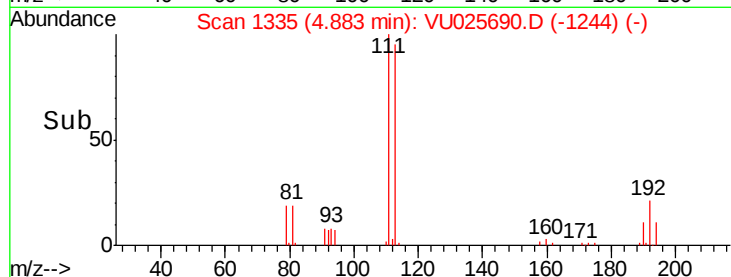
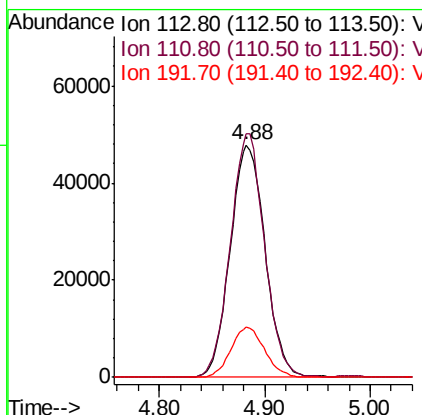
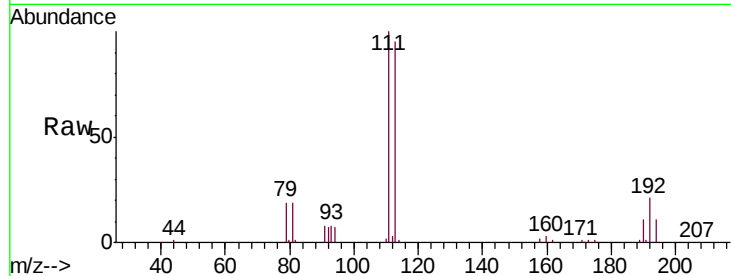




#35
 Dibromofluoromethane
 Concen: 46.76 ug/l
 RT: 4.88 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

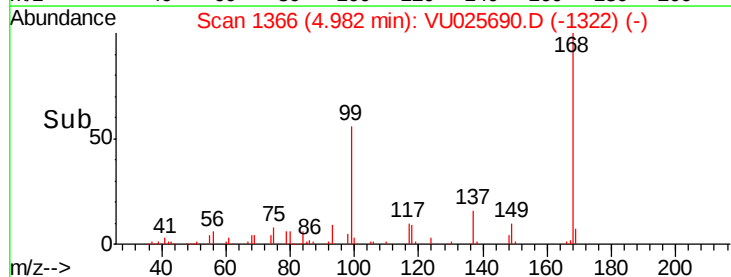
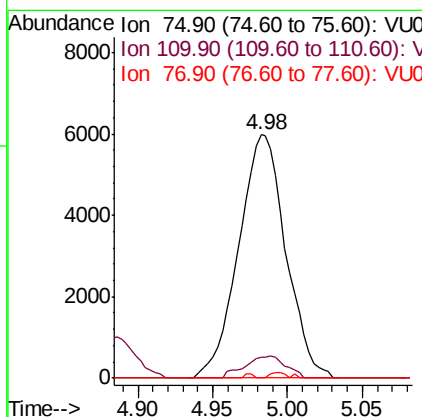
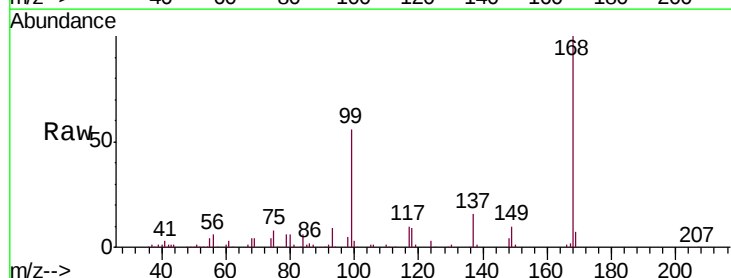
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0510DL

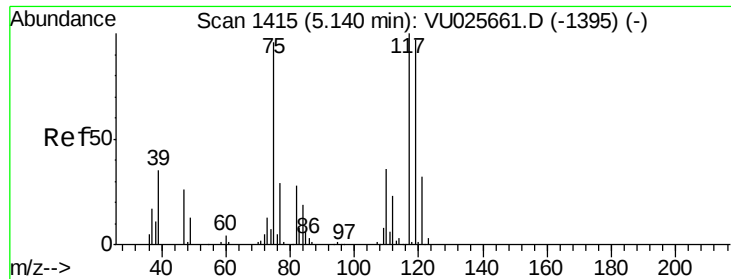
Tot Ion:113 Resp: 109976
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.7 122.5
 192 20.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.15 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

Tgt Ion: 75 Resp: 13101
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.6 52.9#
 77 0.9 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.87 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0510DL

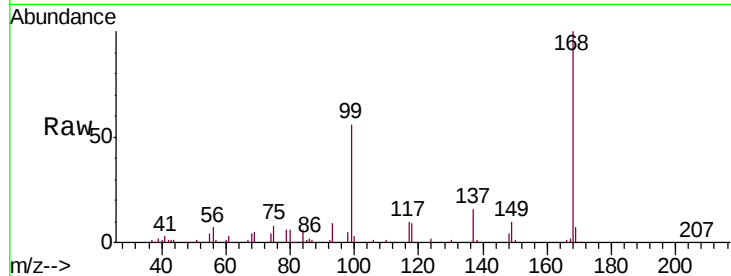
Tot Ion:117 Resp: 17439

Ion Ratio Lower Upper

117 100

119 4.3 75.7 113.5#

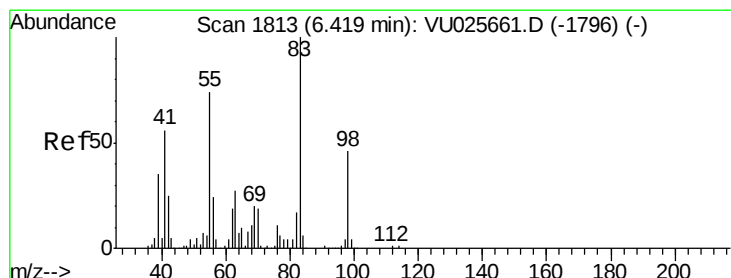
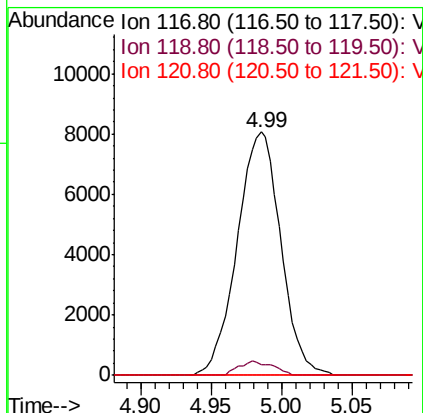
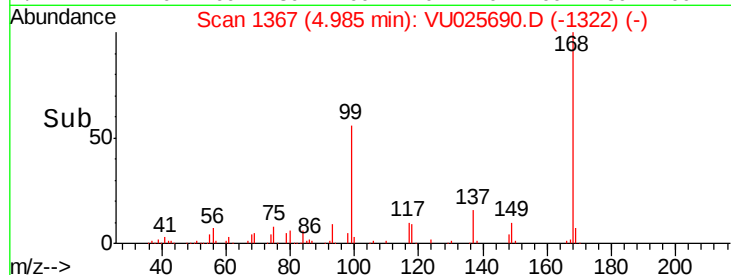
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.76 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

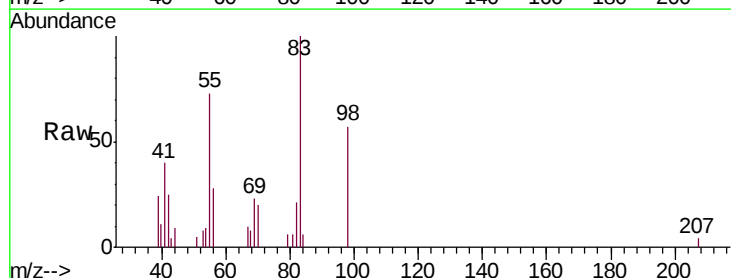
Tgt Ion: 83 Resp: 6356

Ion Ratio Lower Upper

83 100

55 73.4 60.0 90.0

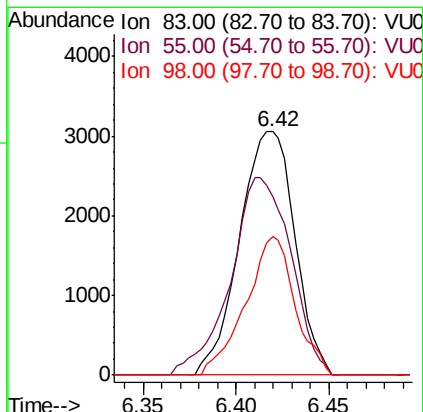
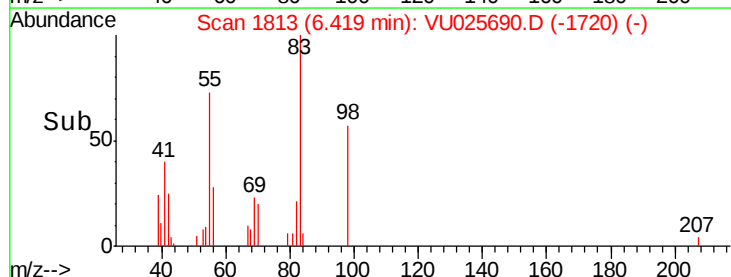
98 56.9 36.1 54.1#

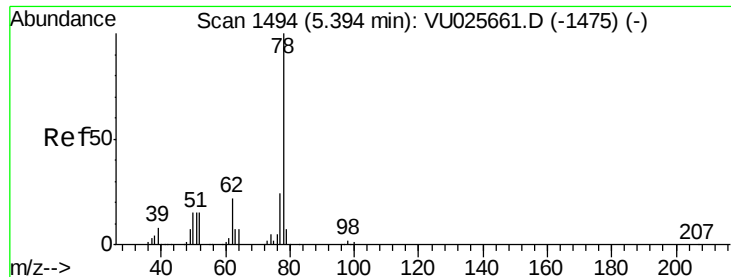


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.34 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

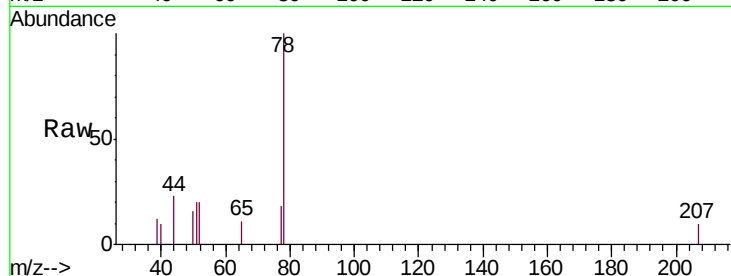
FL-0510DL

Tot Ion: 78 Resp: 3129

Ion Ratio Lower Upper

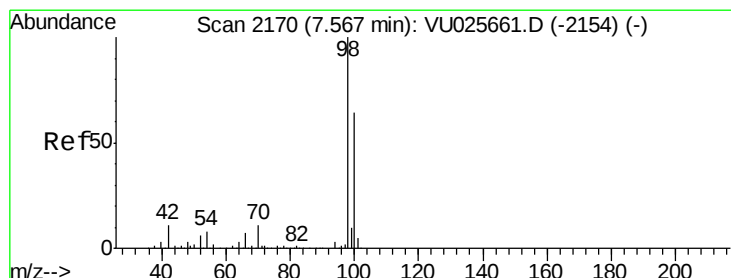
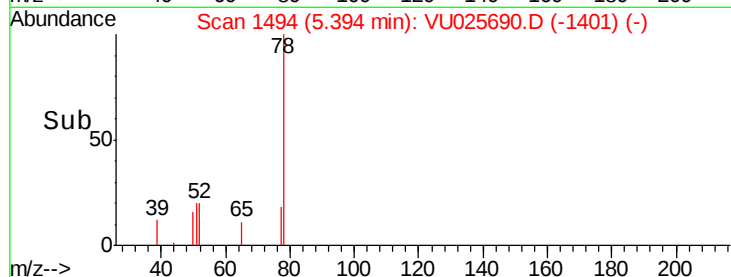
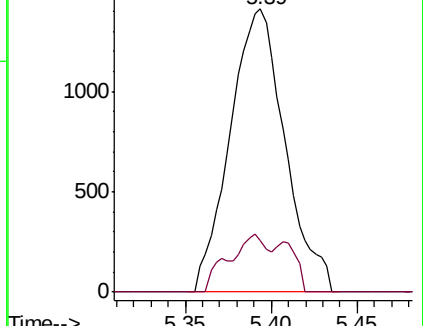
78 100

77 18.4 19.8 29.6#



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 47.87 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025690.D

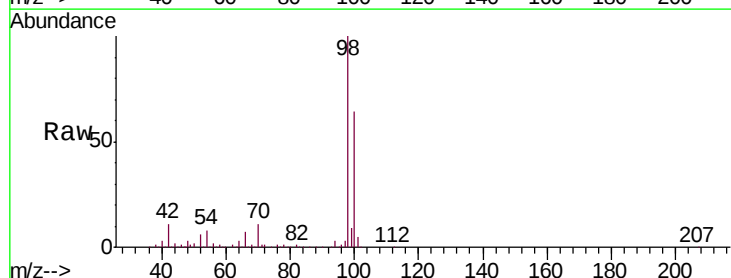
Acq: 28 Jul 2018 00:18

Tgt Ion: 98 Resp: 394027

Ion Ratio Lower Upper

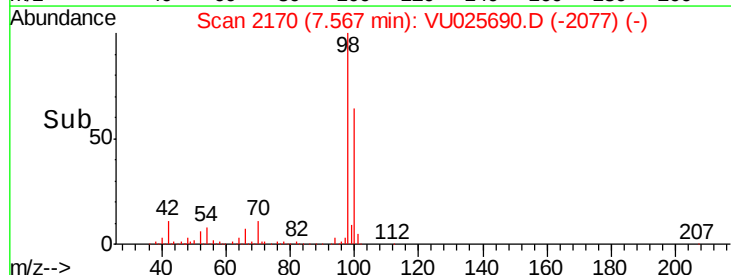
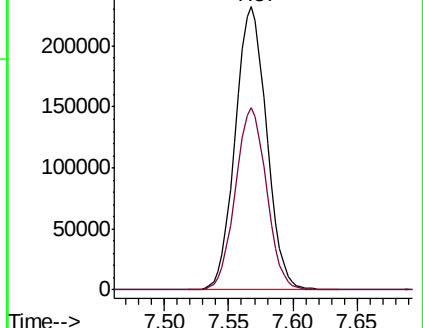
98 100

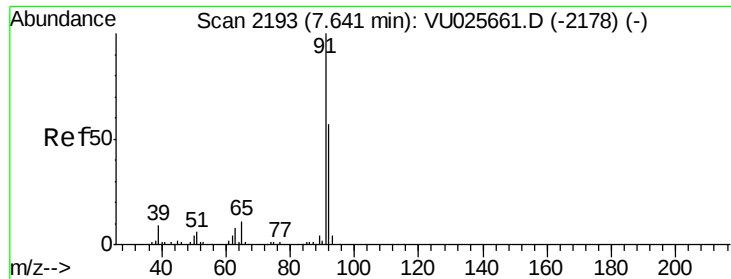
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 0.42 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampled :

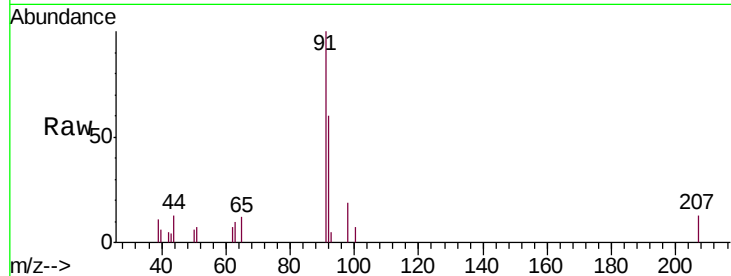
FL-0510DL

Tot Ion: 92 Resp: 2388

Ion Ratio Lower Upper

92 100

91 170.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

2500

2000

1500

1000

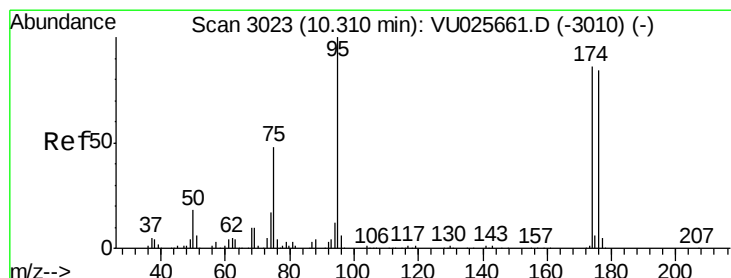
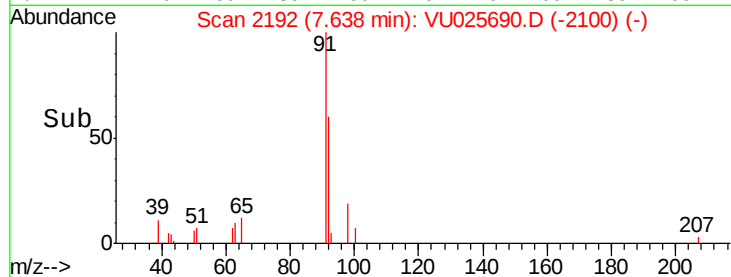
500

0

7.60

7.65

Time-->



#62

4-Bromofluorobenzene

Concen: 52.14 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

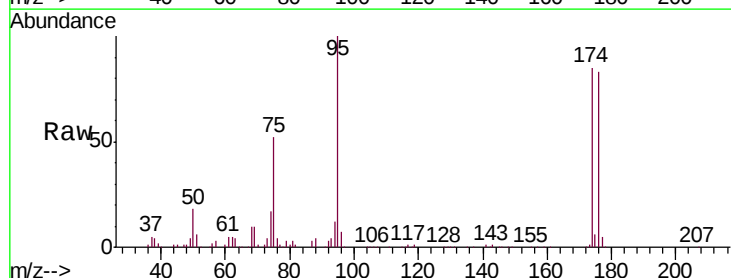
Tgt Ion: 95 Resp: 166576

Ion Ratio Lower Upper

95 100

174 87.6 0.0 172.2

176 84.3 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

100000

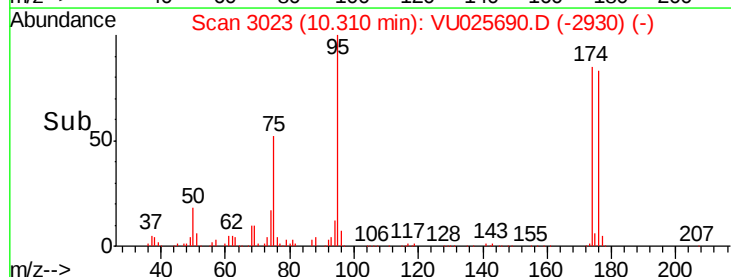
50000

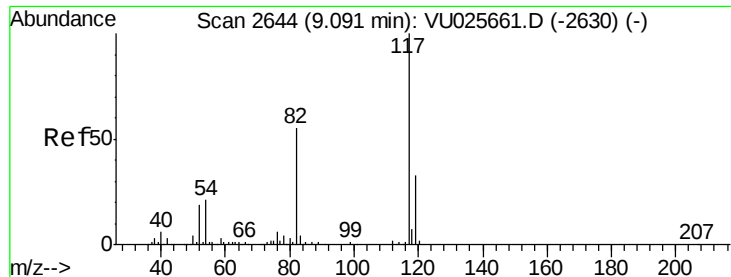
0

10.30

10.40

Time-->

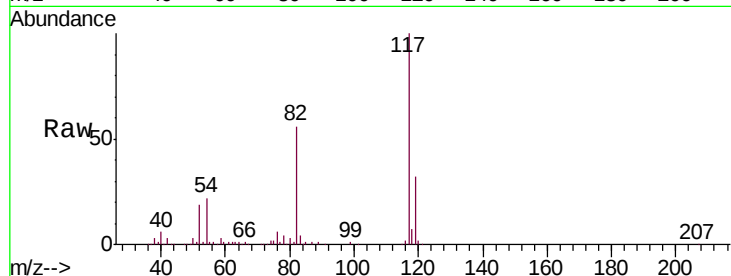




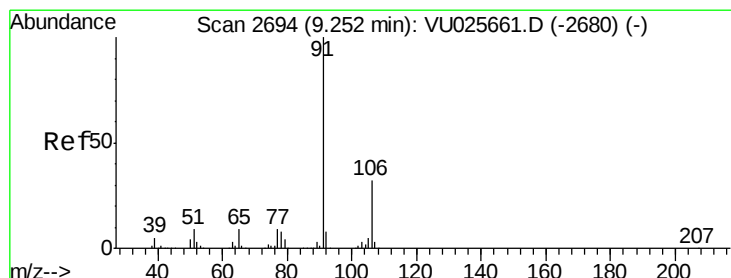
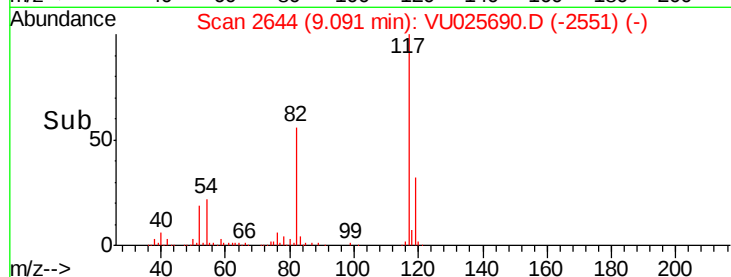
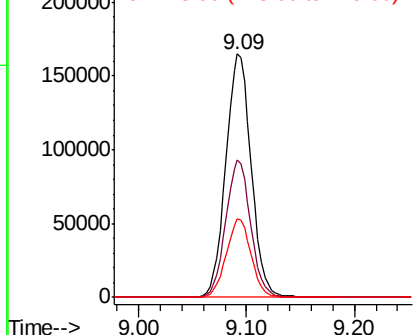
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
FL-0510DL

Tot Ion:117 Resp: 270206
Ion Ratio Lower Upper
117 100
82 56.3 46.0 69.0
119 32.2 26.0 39.0

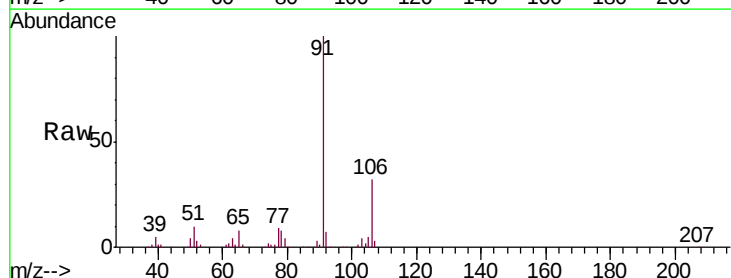


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

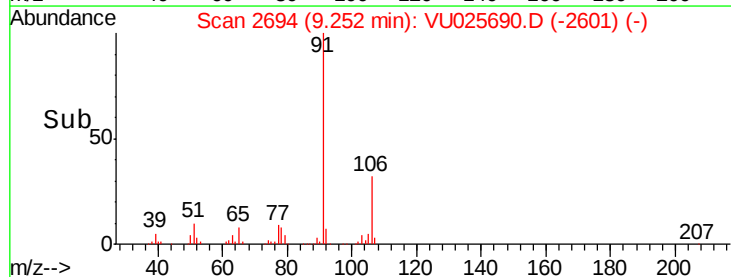
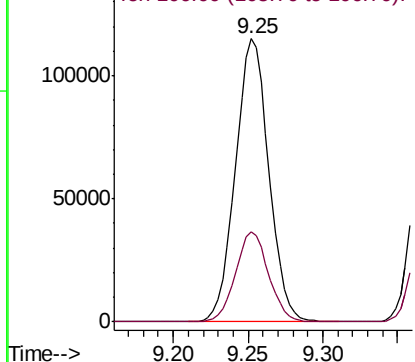


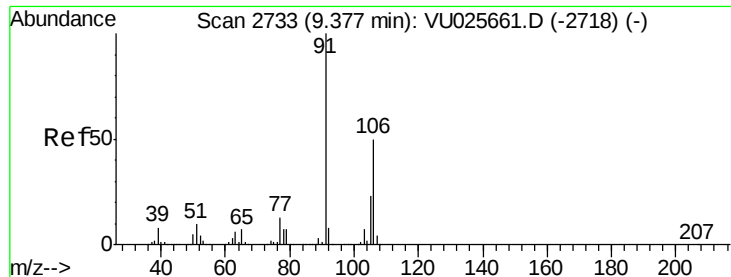
#67
Ethyl Benzene
Concen: 15.46 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Tgt Ion: 91 Resp: 178382
Ion Ratio Lower Upper
91 100
106 31.7 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: 35.05 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampled :

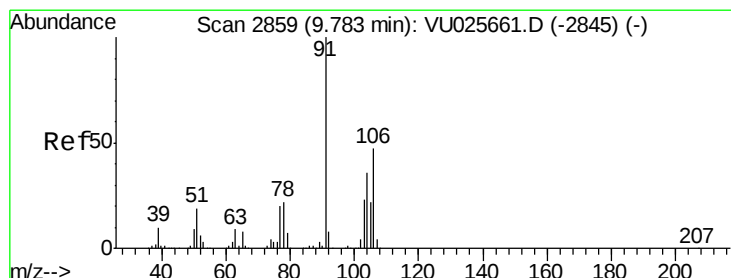
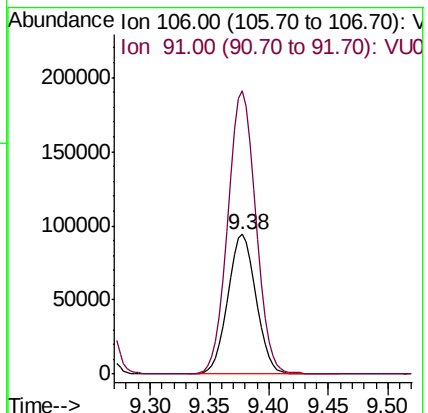
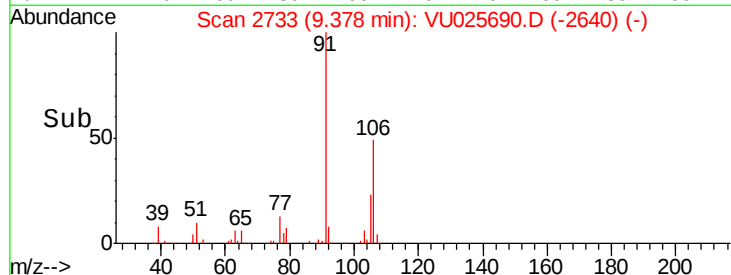
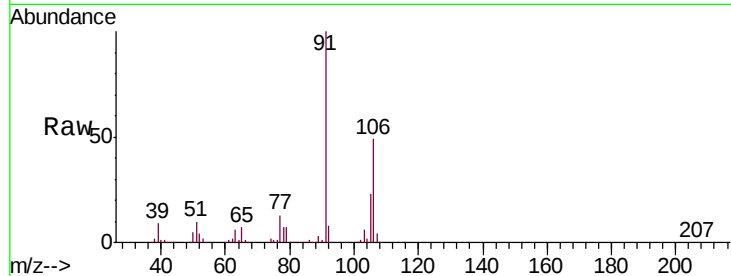
FL-0510DL

Tot Ion:106 Resp: 155298

Ion Ratio Lower Upper

106 100

91 201.5 162.3 243.5



#69

o-Xylene

Concen: 22.09 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025690.D

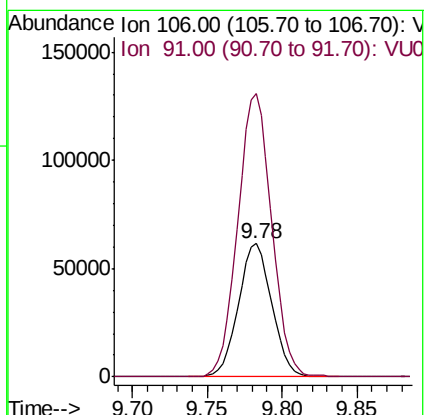
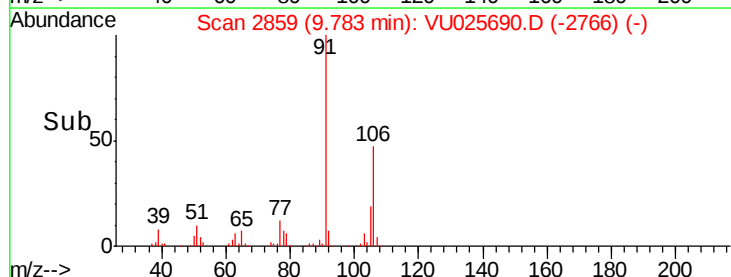
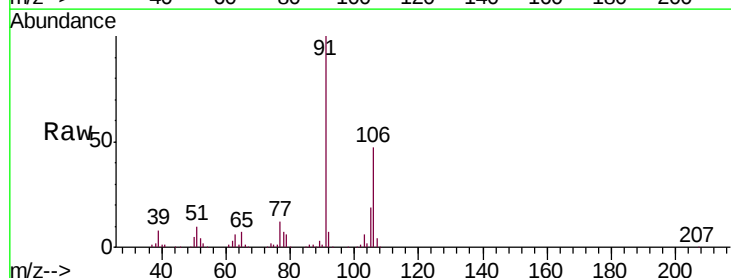
Acq: 28 Jul 2018 00:18

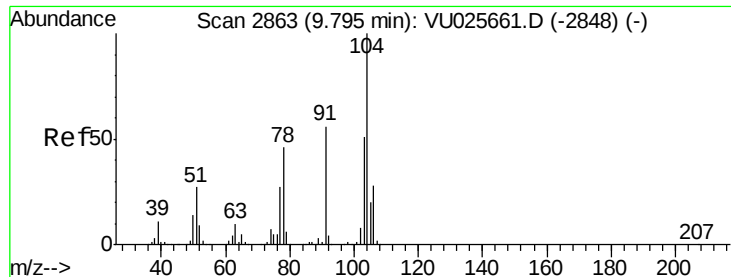
Tgt Ion:106 Resp: 95628

Ion Ratio Lower Upper

106 100

91 215.7 105.3 315.8





#70

Stvrene

Concen: 0.74 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. -0.01 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0510DL

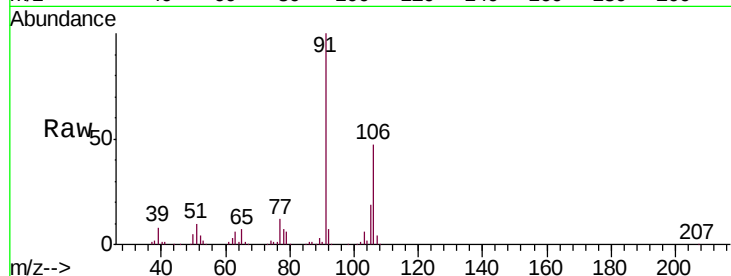
Tot Ion:104 Resp: 5208

Ion Ratio Lower Upper

104 100

78 281.5 41.6 62.4#

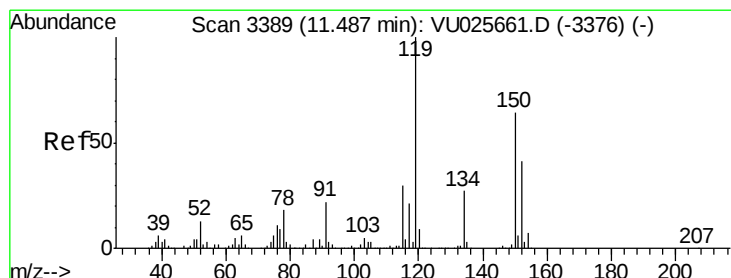
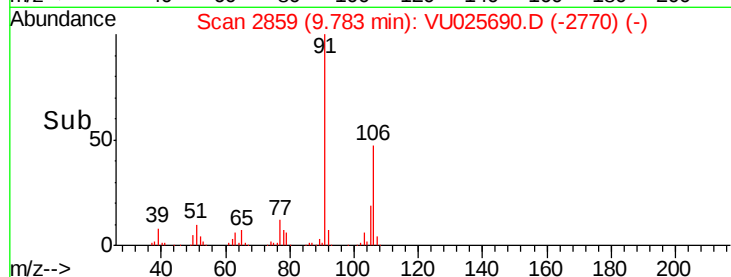
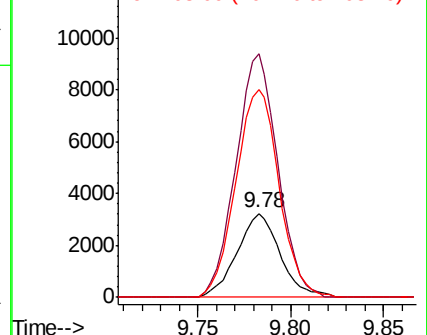
103 249.0 44.6 66.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

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: VU025690.D

Acq: 28 Jul 2018 00:18

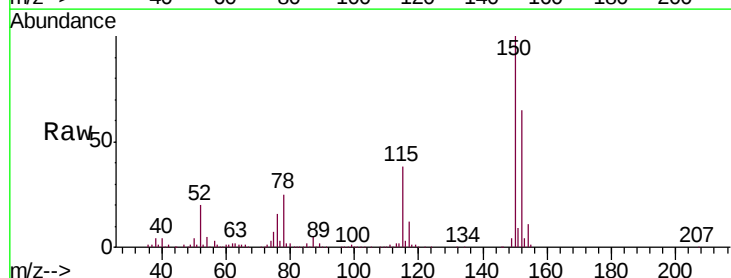
Tgt Ion:152 Resp: 178414

Ion Ratio Lower Upper

152 100

115 58.2 40.1 120.3

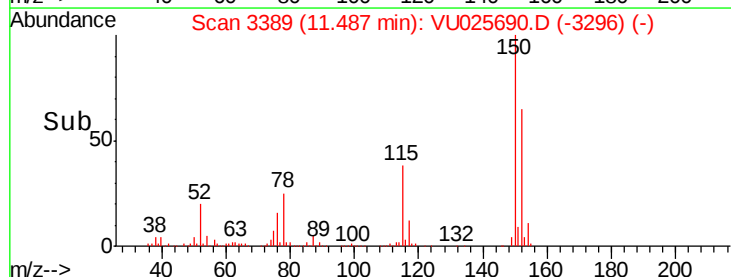
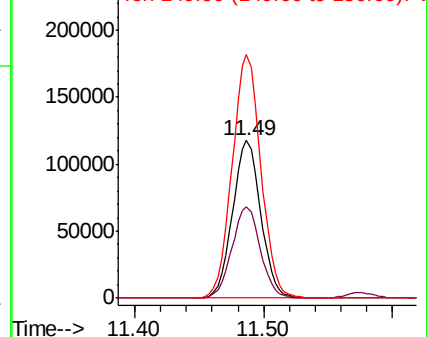
150 157.2 0.0 351.4

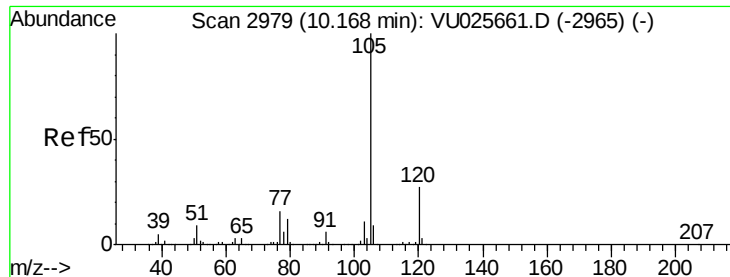


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.22 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

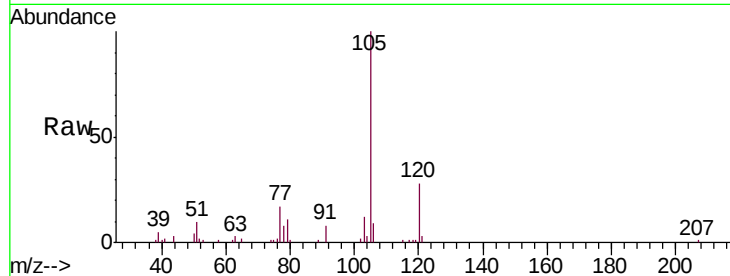
FL-0510DL

Tot Ion:105 Resp: 27033

Ion Ratio Lower Upper

105 100

120 27.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

15000

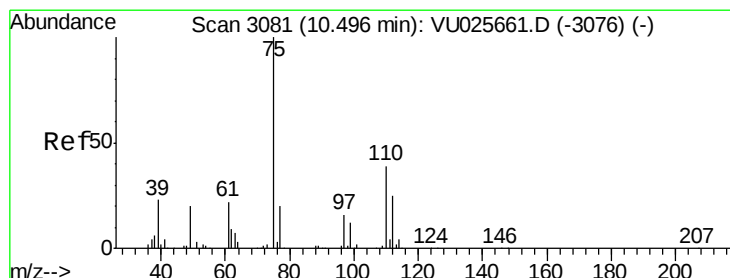
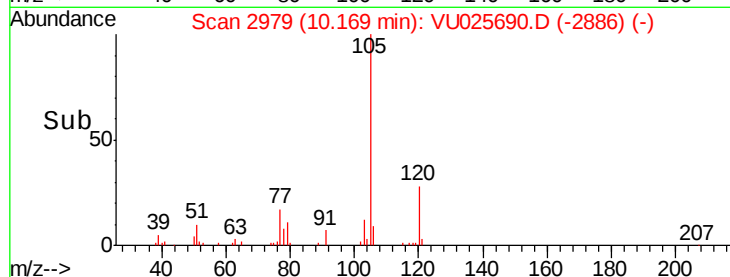
10000

5000

0

10.10 10.15 10.20

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.15 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025690.D

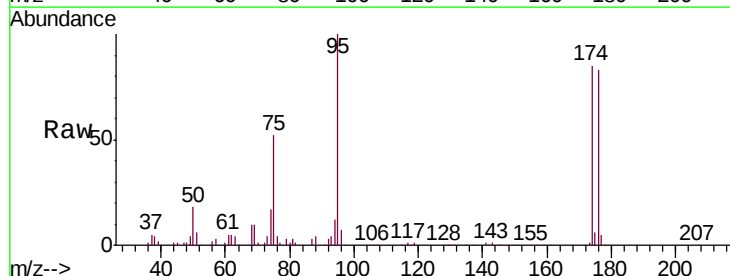
Acq: 28 Jul 2018 00:18

Tgt Ion: 75 Resp: 87063

Ion Ratio Lower Upper

75 100

77 1.2 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

60000

50000

40000

30000

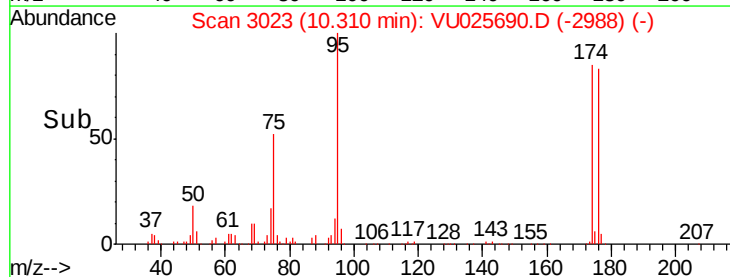
20000

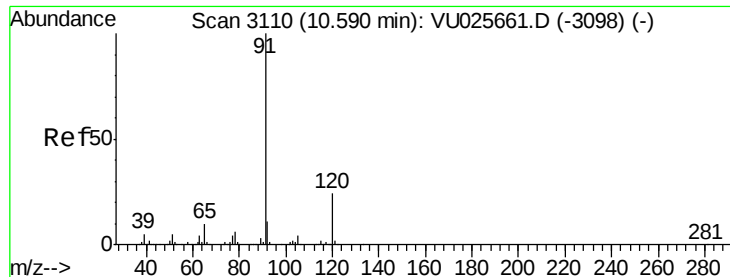
10000

0

10.30 10.40

Time-->





#78

n-propylbenzene

Concen: 2.99 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

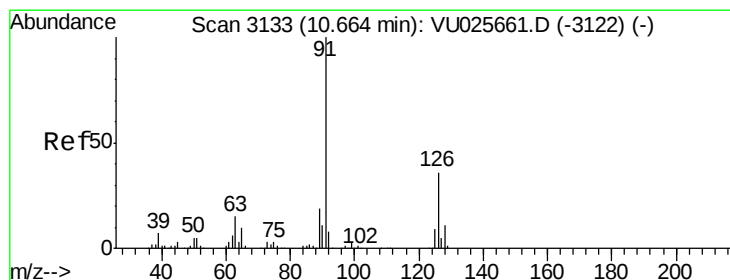
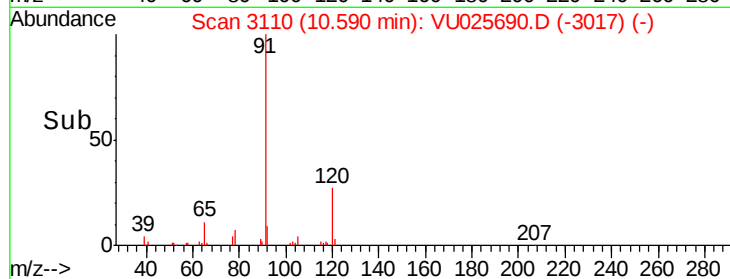
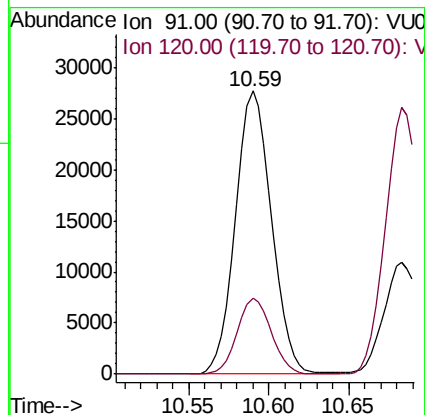
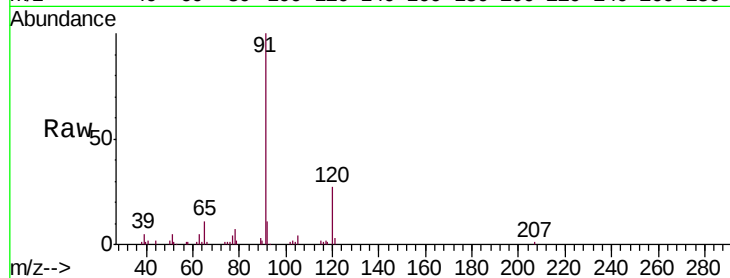
FL-0510DL

Tot Ion: 91 Resp: 42494

Ion Ratio Lower Upper

91 100

120 25.2 11.8 35.3



#79

2-Chlorotoluene

Concen: 2.94 ug/l

RT: 10.68 min Scan# 3139

Delta R.T. 0.02 min

Lab File: VU025690.D

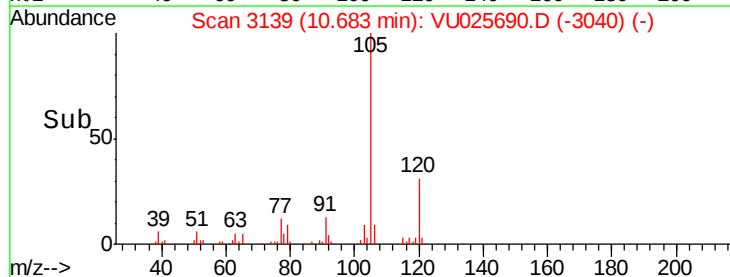
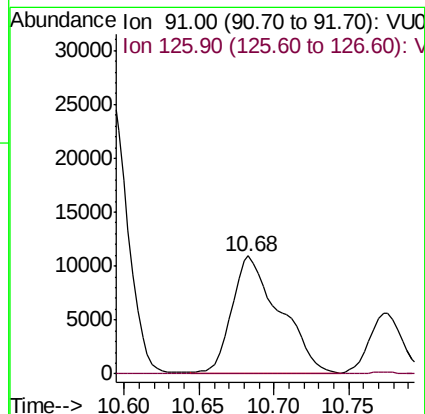
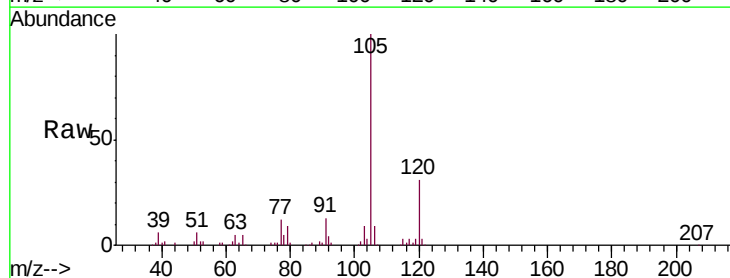
Acq: 28 Jul 2018 00:18

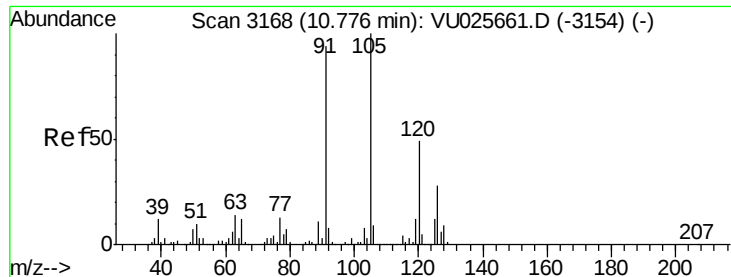
Tgt Ion: 91 Resp: 24508

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.6#

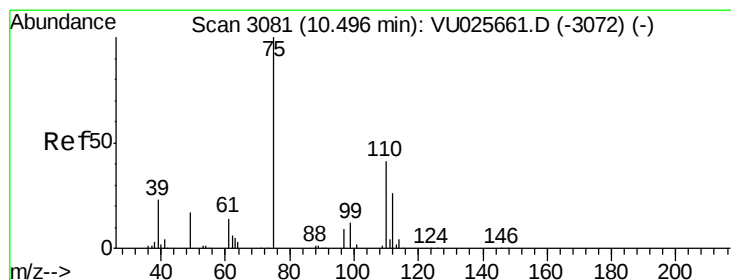
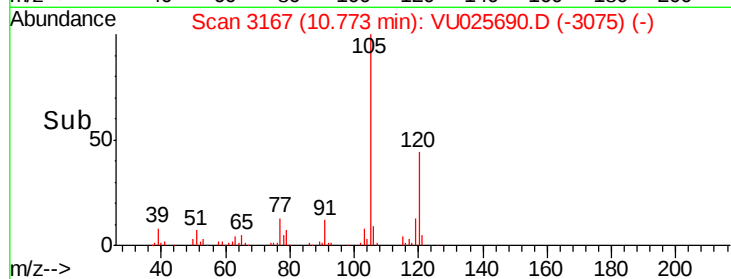
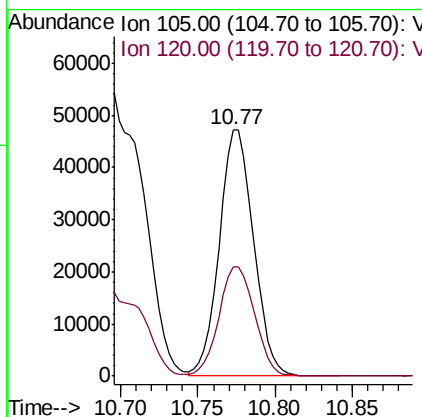
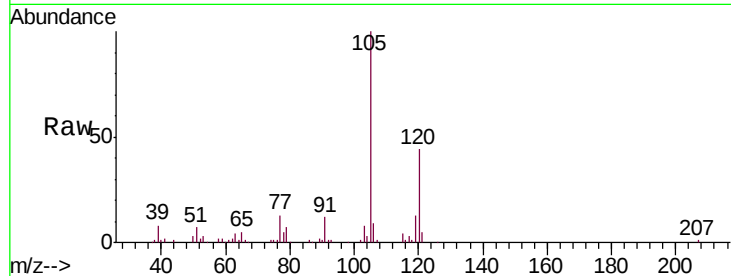




#80
 1,3,5-Trimethylbenzene
 Concen: 7.04 ug/l
 RT: 10.77 min Scan# 3167
 Delta R.T. -0.00 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

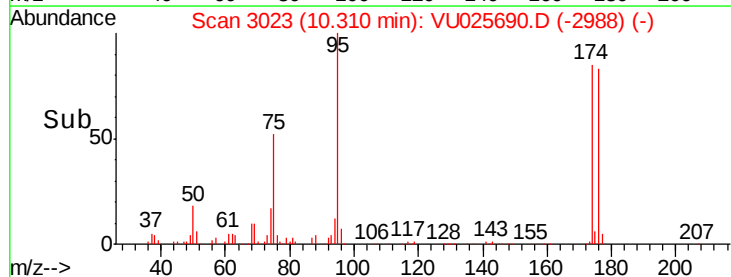
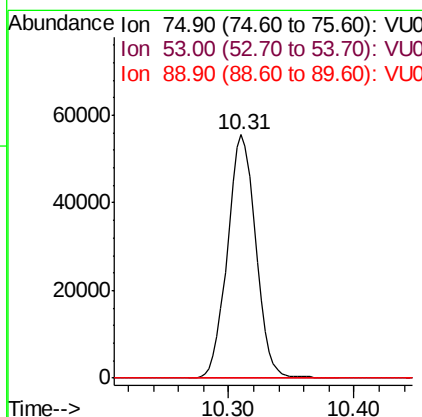
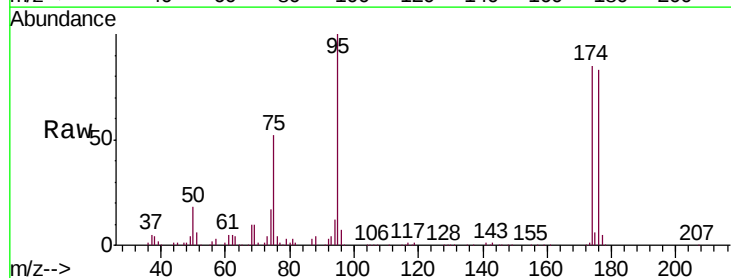
Instrument :
 MSVOA_U
 ClientSampleID :
 FL-0510DL

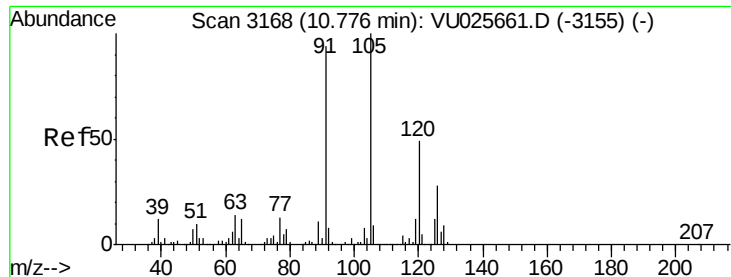
Tot Ion:105 Resp: 72779
 Ion Ratio Lower Upper
 105 100
 120 46.2 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.54 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

Tgt Ion: 75 Resp: 87063
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.89 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampled :

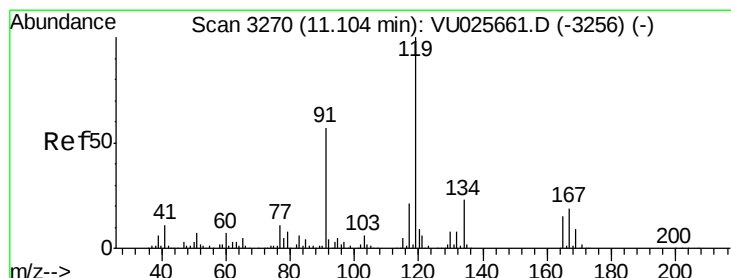
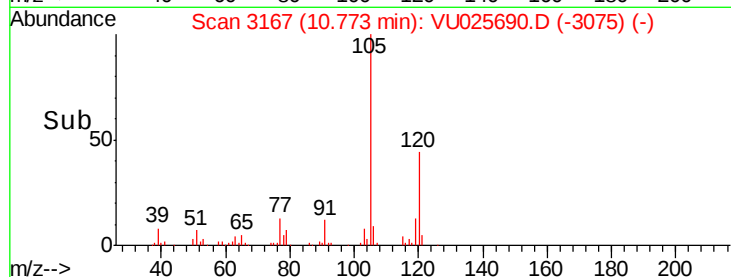
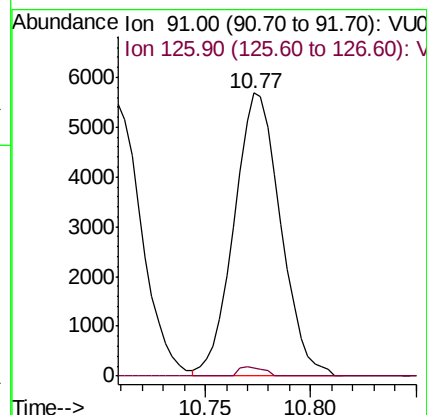
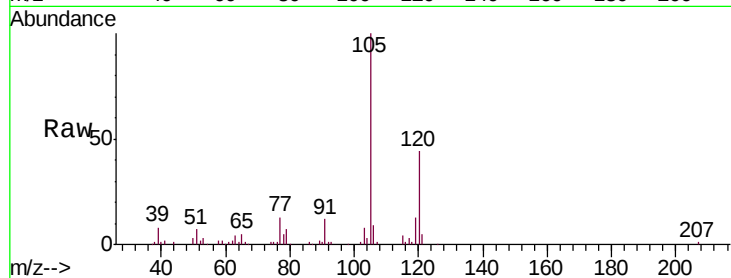
FL-0510DL

Tot Ion: 91 Resp: 8720

Ion Ratio Lower Upper

91 100

126 1.7 15.3 45.9#



#83

tert-Butylbenzene

Concen: 3.32 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.05 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

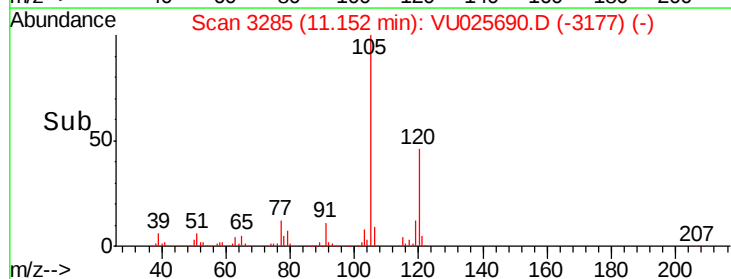
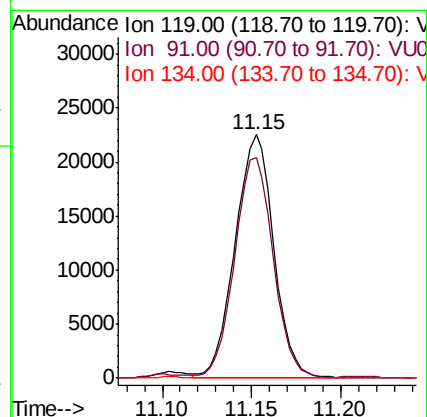
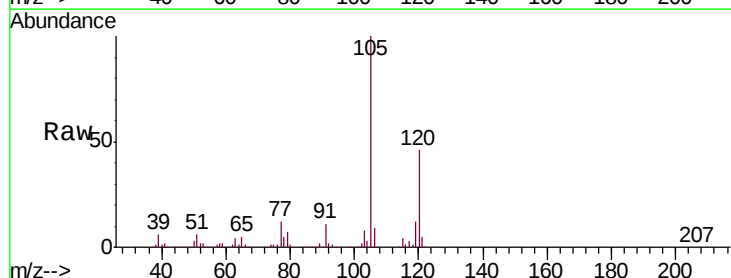
Tgt Ion: 119 Resp: 34067

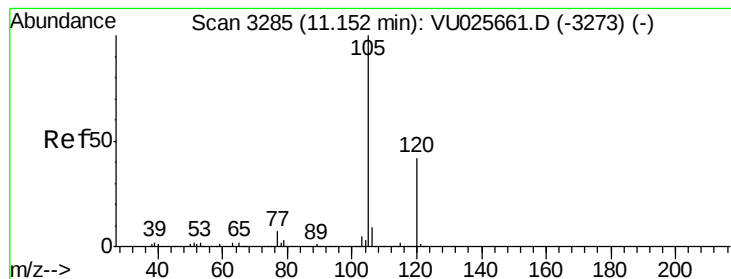
Ion Ratio Lower Upper

119 100

91 90.5 29.7 89.1#

134 0.0 11.5 34.5#





#84

1,2,4-Trimethylbenzene

Concen: 26.92 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025690.D

Acq: 28 Jul 2018 00:18

Instrument :

MSVOA_U

ClientSampleId :

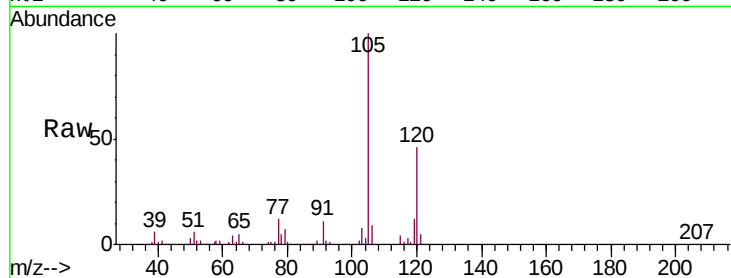
FL-0510DL

Tot Ion:105 Resp: 282110

Ion Ratio Lower Upper

105 100

120 45.3 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.15

200000

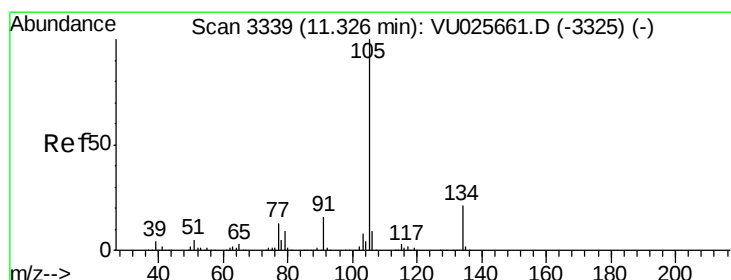
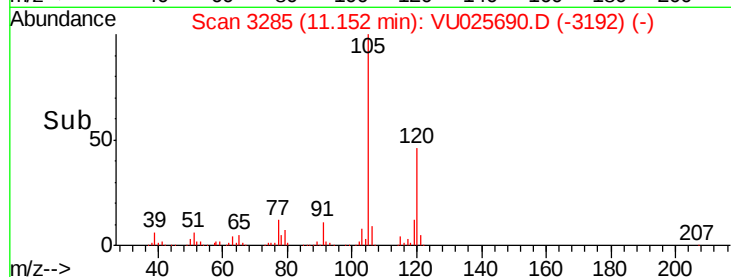
150000

100000

50000

0

Time-->



#85

sec-Butylbenzene

Concen: 22.49 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. -0.17 min

Lab File: VU025690.D

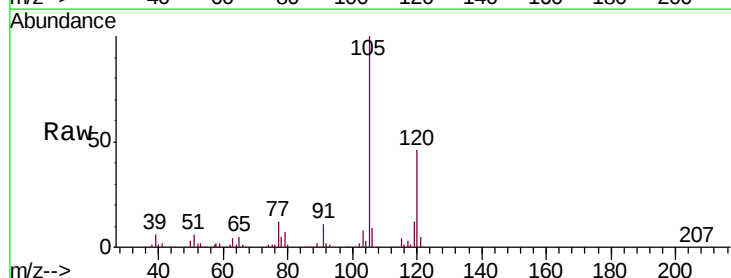
Acq: 28 Jul 2018 00:18

Tgt Ion:105 Resp: 282110

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.15

200000

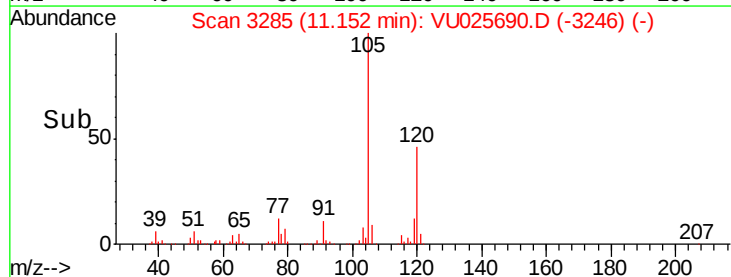
150000

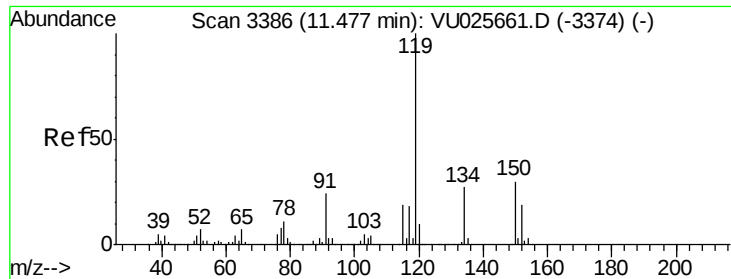
100000

50000

0

Time-->

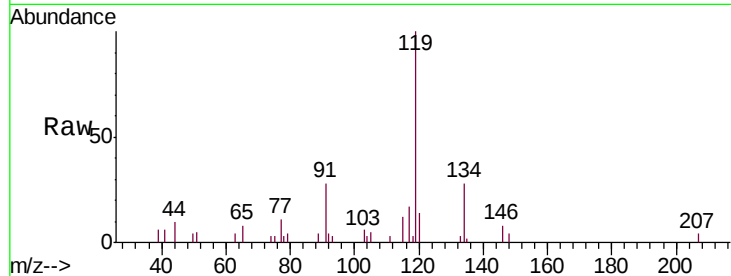




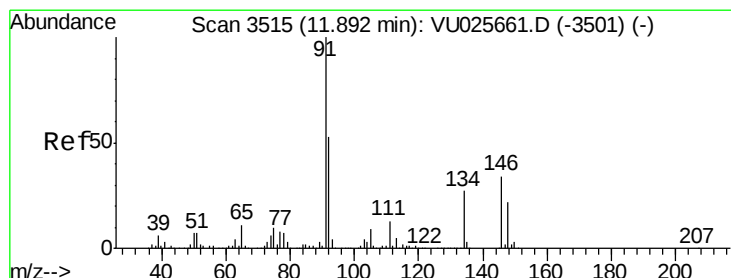
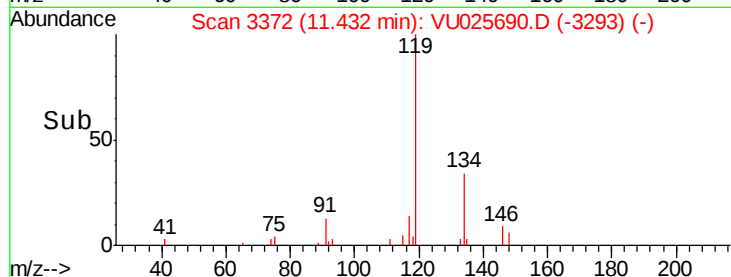
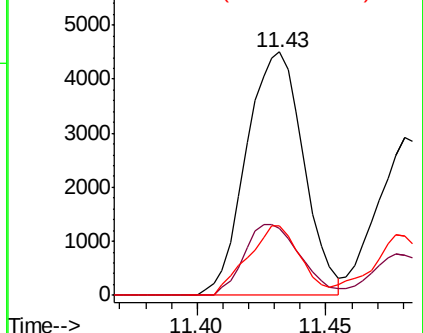
#86
 p-Isopropyltoluene
 Concen: 0.62 ug/l
 RT: 11.43 min Scan# 3372
 Delta R.T. -0.04 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0510DL

Tot Ion: 119 Resp: 6984
 Ion Ratio Lower Upper
 119 100
 134 28.6 13.2 39.5
 91 26.3 12.0 36.1

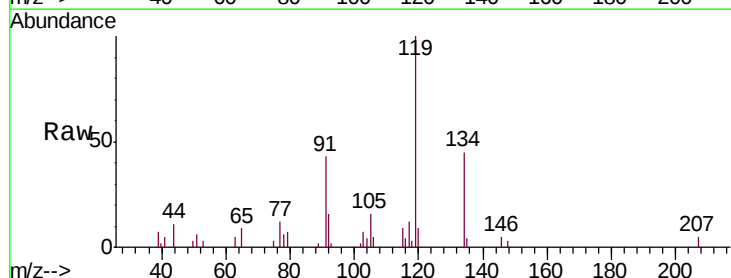


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

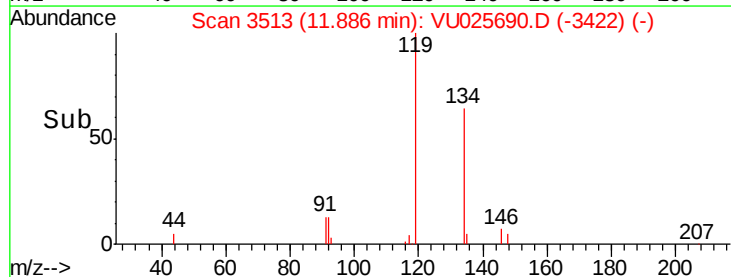
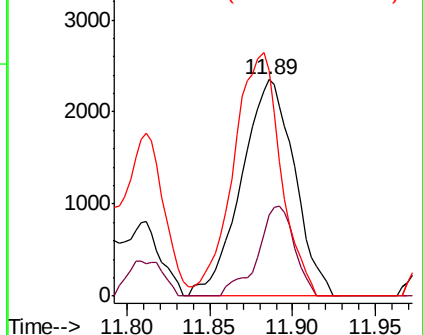


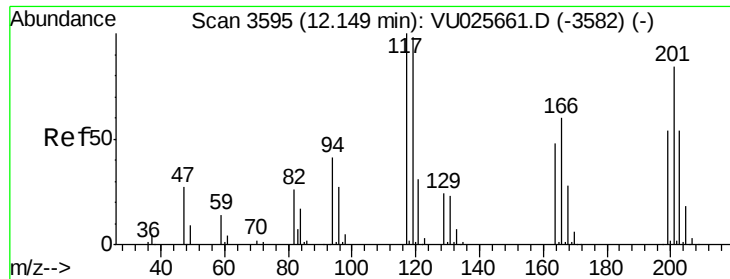
#89
 n-Butylbenzene
 Concen: 0.50 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. -0.01 min
 Lab File: VU025690.D
 Acq: 28 Jul 2018 00:18

Tgt Ion: 91 Resp: 5222
 Ion Ratio Lower Upper
 91 100
 92 28.9 26.5 79.5
 134 100.0 13.6 40.7#



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V

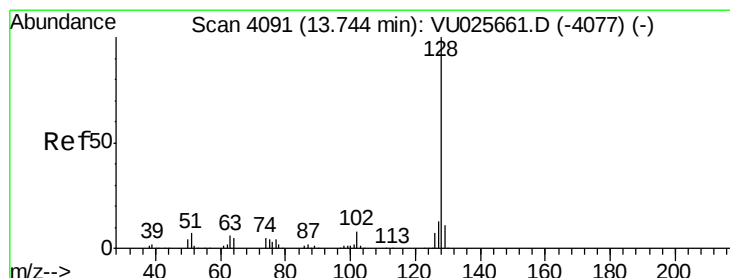
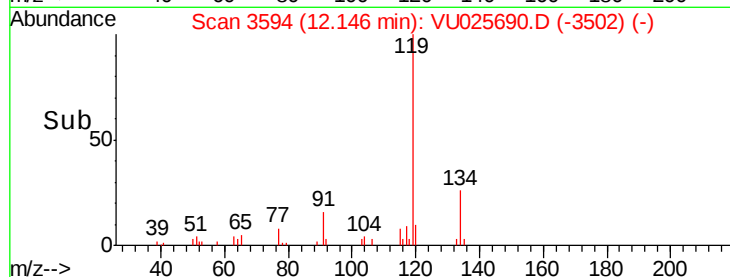
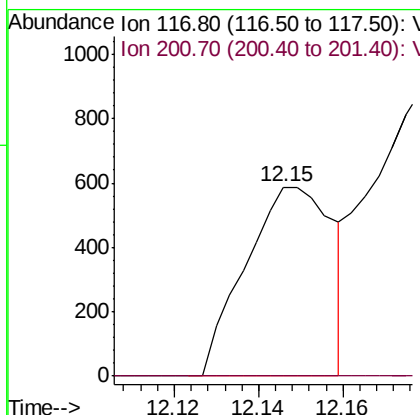
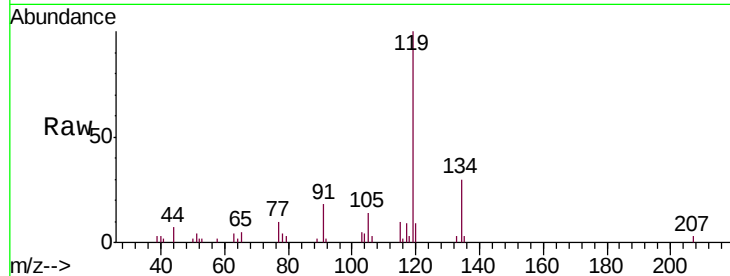




#90
Hexachloroethane
Concen: 0.42 ug/l
RT: 12.15 min Scan# 3594
Delta R.T. -0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Instrument :
MSVOA_U
ClientSampleId :
FL-0510DL

Tot Ion:117 Resp: 844
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#



#95
Naphthalene
Concen: 5.77 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025690.D
Acq: 28 Jul 2018 00:18

Tgt Ion:128 Resp: 61423
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 8.3 12.5

