

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025698.D
 Acq On : 28 Jul 2018 03:25
 Operator : MD/SY
 Sample : J4154-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0505

Quant Time: Jul 28 05:32:31 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	174277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274682	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166681	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	134049	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	4.89	113	113143	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	7.57	98	396114	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	10.31	95	157187	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	127	0.21	ug/l #	73
13) Acrolein	2.31	56	11876	53.56	ug/l #	82
14) Allyl chloride	2.71	41	27174	8.08	ug/l #	56
15) Acrylonitrile	3.00	53	6249	5.26	ug/l #	37
16) Acetone	2.31	43	36896	27.87	ug/l #	57
18) Methyl Acetate	2.71	43	61515	19.31	ug/l #	52
20) Methylene Chloride	2.72	84	861	0.37	ug/l #	1
23) Vinyl Acetate	3.31	43	42324	7.33	ug/l #	48
25) 2-Butanone	4.23	43	4150	2.30	ug/l #	49
26) 2,2-Dichloropropane	4.09	77	1301	0.36	ug/l #	53
29) Tetrahydrofuran	4.74	42	1100	1.02	ug/l #	1
31) Cyclohexane	5.00	56	55538	15.11	ug/l	98
36) 1,1-Dichloropropene	4.99	75	12565	3.91	ug/l #	51
37) Ethyl Acetate	4.23	43	4150	1.25	ug/l #	69
38) Carbon Tetrachloride	4.99	117	16883	4.64	ug/l #	16
39) Methylcyclohexane	6.42	83	99348	27.01	ug/l	99
40) Benzene	5.39	78	88365	9.42	ug/l	98
41) Methacrylonitrile	4.74	41	7075	3.83	ug/l #	24
43) Isopropyl Acetate	5.56	43	2342	0.43	ug/l #	61
45) 1,2-Dichloropropane	6.42	63	1040	0.42	ug/l #	1
48) Methyl methacrylate	6.64	41	5504	2.04	ug/l #	59
52) Toluene	7.64	92	1616	0.28	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	6151	2.54	ug/l #	17
56) Ethyl methacrylate	8.05	69	1517	0.44	ug/l #	1
67) Ethyl Benzene	9.25	91	443800	38.96	ug/l	99
68) m/p-Xylenes	9.38	106	155193	35.49	ug/l	100
73) Isopropylbenzene	10.17	105	66272	5.83	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	81629	22.23	ug/l #	36
78) n-propylbenzene	10.59	91	110224	8.30	ug/l	99
79) 2-Chlorotoluene	10.71	91	6863	0.88	ug/l #	40
80) 1,3,5-Trimethylbenzene	10.78	105	8748	0.91	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	81629	55.73	ug/l #	100
82) 4-Chlorotoluene	10.71	91	6863	0.75	ug/l #	44
83) tert-Butylbenzene	11.10	119	4080	0.43	ug/l	82

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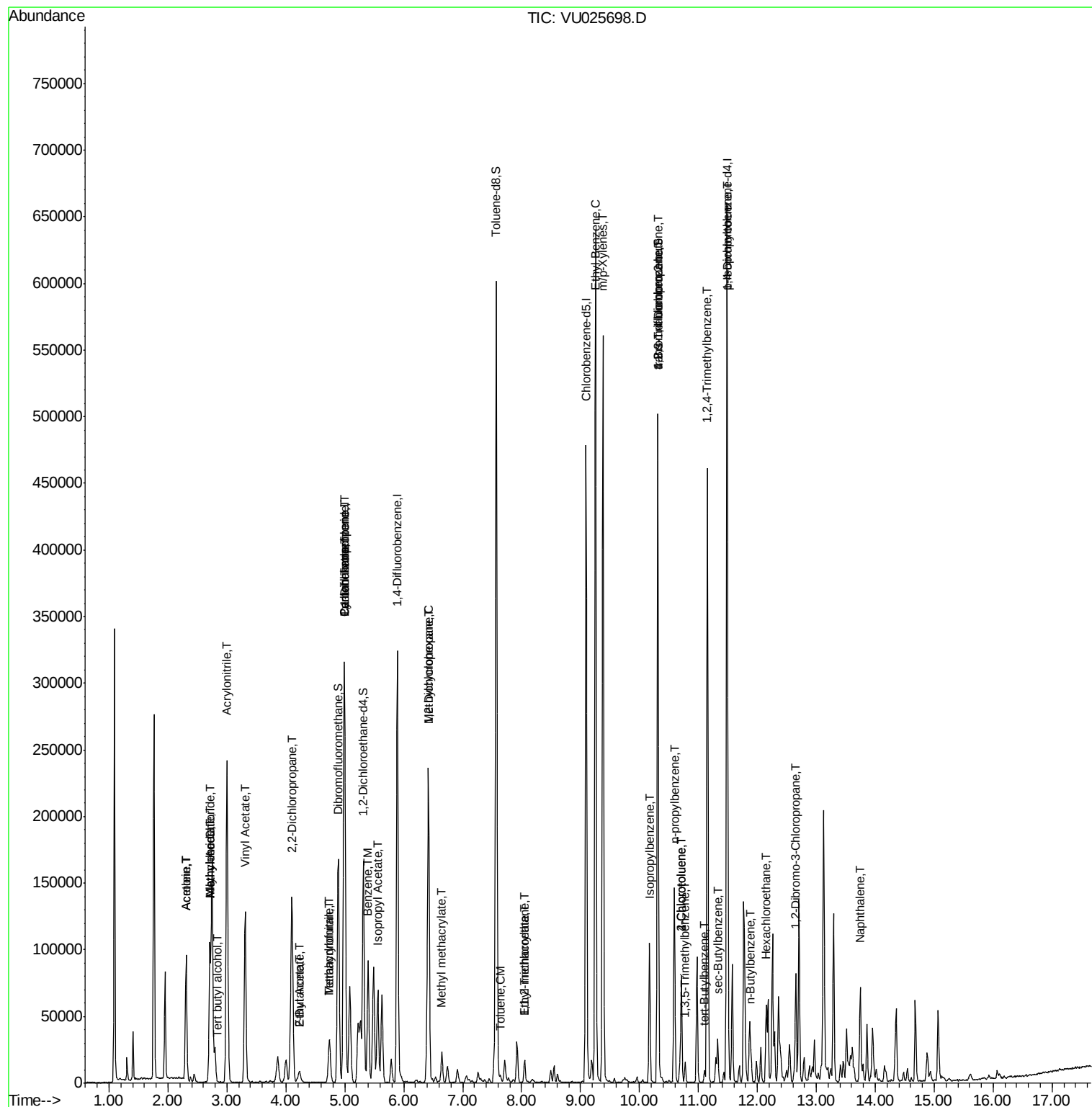
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.15	105	249206	25.45	ug/l	98
85) sec-Butylbenzene	11.33	105	21928	1.87	ug/l	95
86) p-Isopropyltoluene	11.48	119	15361	1.46	ug/l	98
89) n-Butylbenzene	11.89	91	14838	1.53	ug/l #	71
90) Hexachloroethane	12.15	117	2897	1.55	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.65	75	324	0.35	ug/l #	1
95) Naphthalene	13.75	128	57523	5.78	ug/l	97

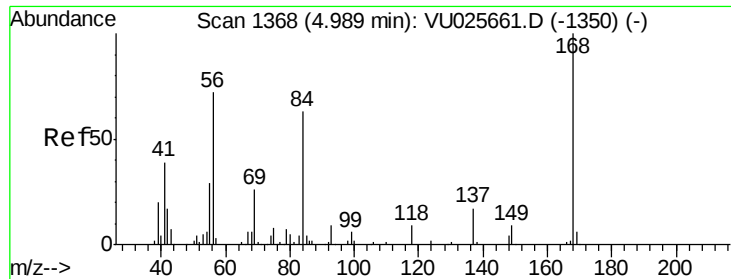
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

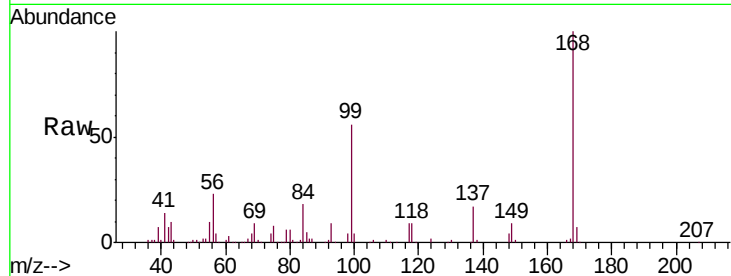
FL-0505

Tot Ion:168 Resp: 174277

Ion Ratio Lower Upper

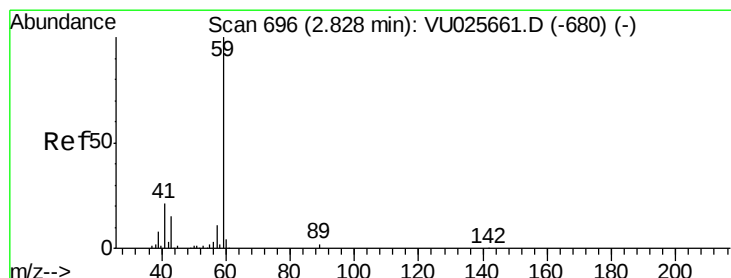
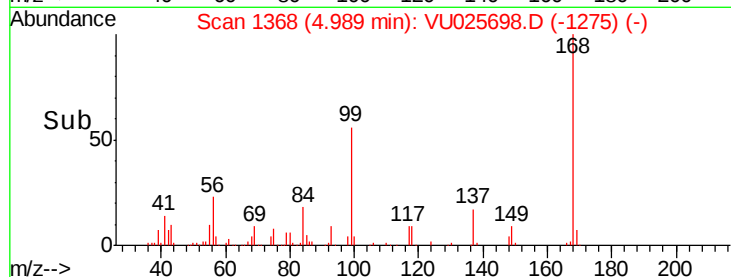
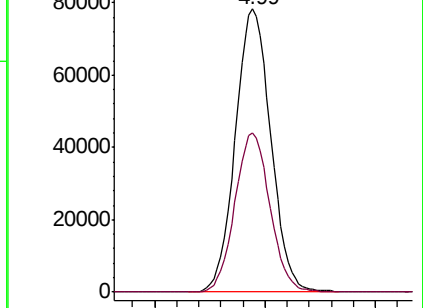
168 100

99 56.2 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: 0.21 ug/l

RT: 2.84 min Scan# 701

Delta R.T. 0.02 min

Lab File: VU025698.D

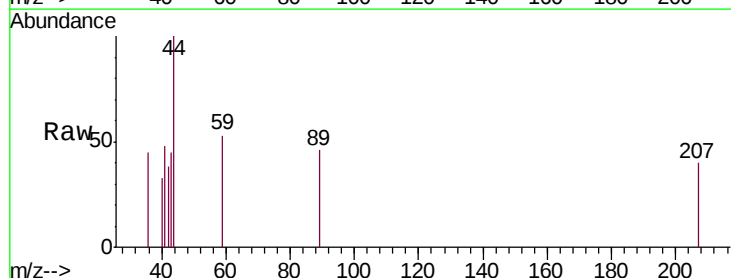
Acq: 28 Jul 2018 03:25

Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

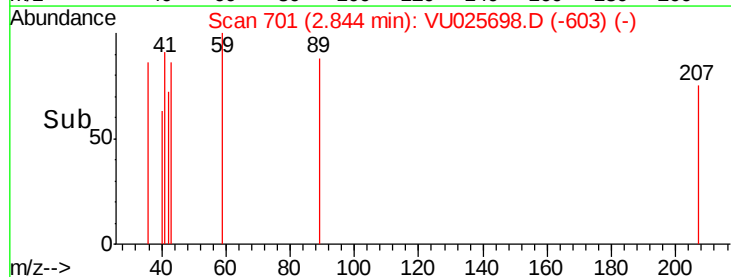
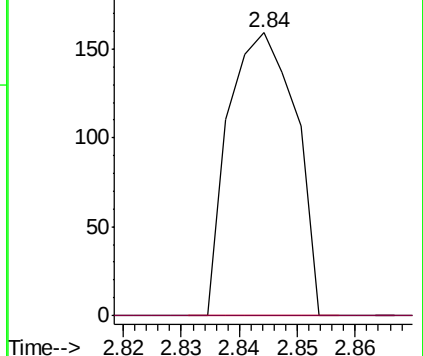
59 100

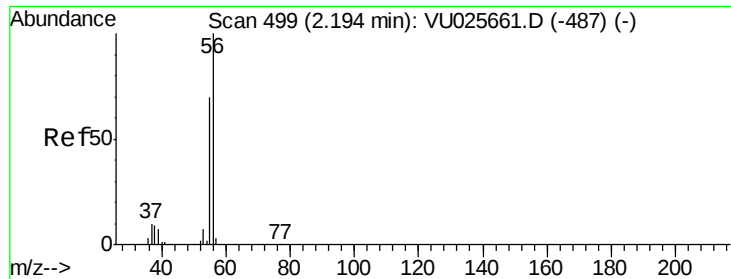
57 0.0 8.2 12.2#



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

Ion 57.00 (56.70 to 57.70): VU025661.D





#13

Acrolein

Concen: 53.56 ug/l

RT: 2.31 min Scan# 534

Delta R.T. 0.11 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

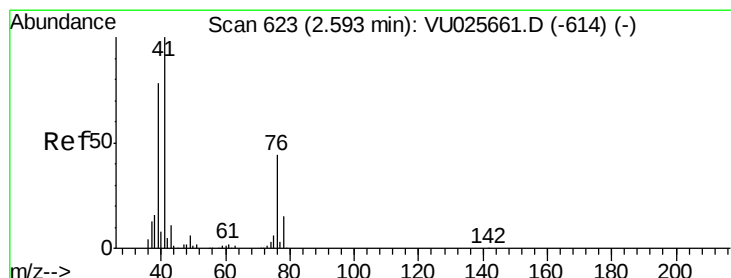
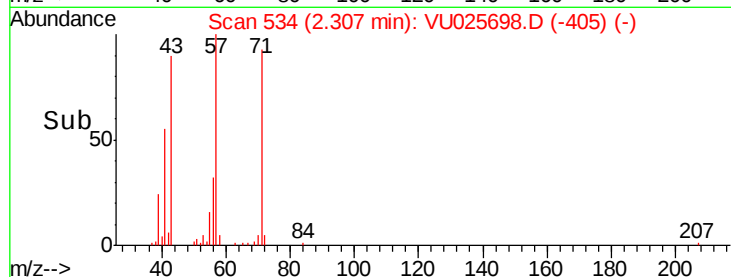
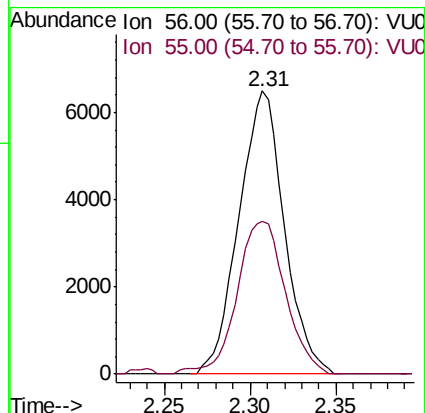
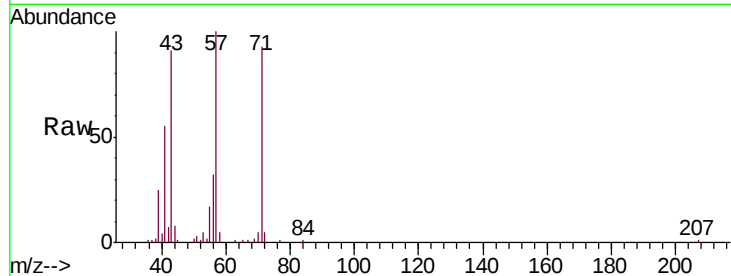
FL-0505

Tot Ion: 56 Resp: 11876

Ion Ratio Lower Upper

56 100

55 56.9 57.2 85.8#



#14

Allyl chloride

Concen: 8.08 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.12 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

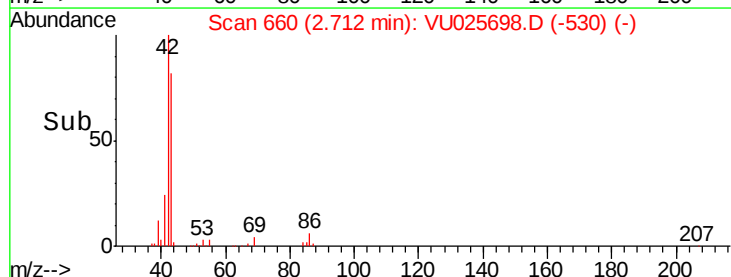
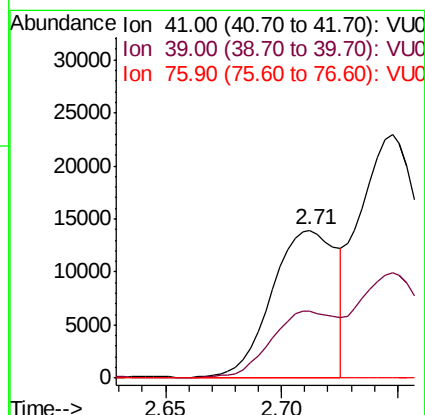
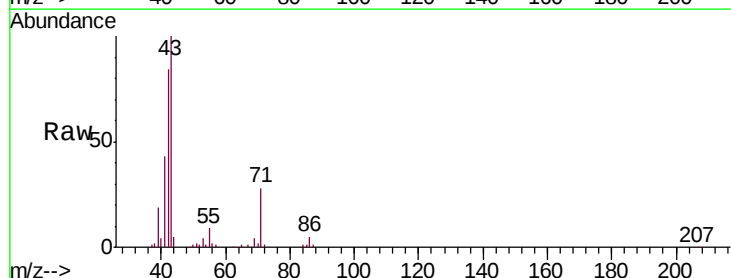
Tgt Ion: 41 Resp: 27174

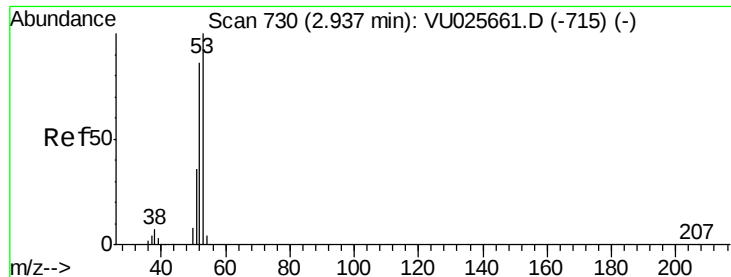
Ion Ratio Lower Upper

41 100

39 45.8 60.6 91.0#

76 0.0 30.5 45.7#





#15

Acrylonitrile

Concen: 5.26 ug/l

RT: 3.00 min Scan# 750

Delta R.T. 0.06 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

FL-0505

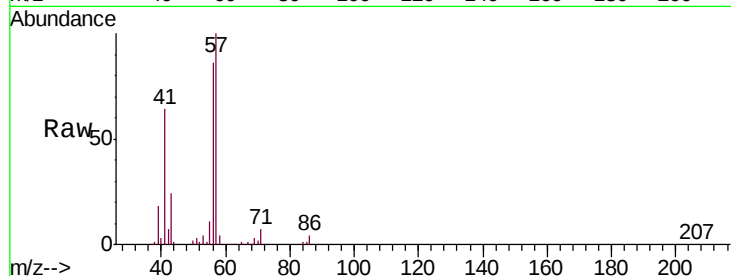
Tot Ion: 53 Resp: 6249

Ion Ratio Lower Upper

53 100

52 16.9 66.6 99.8#

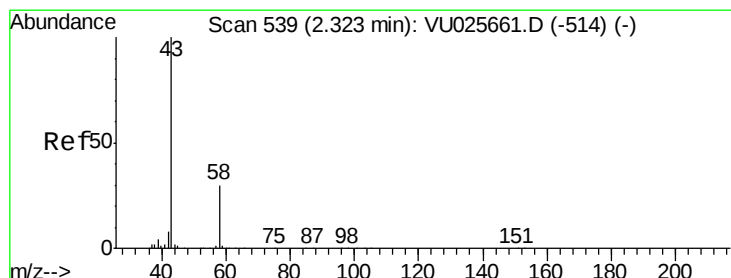
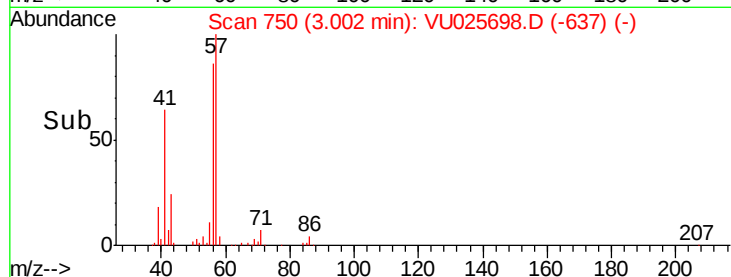
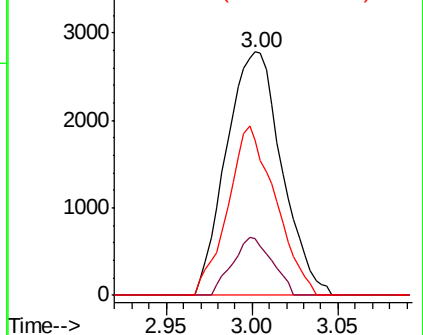
51 59.8 29.4 44.2#



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: 27.87 ug/l

RT: 2.31 min Scan# 534

Delta R.T. -0.02 min

Lab File: VU025698.D

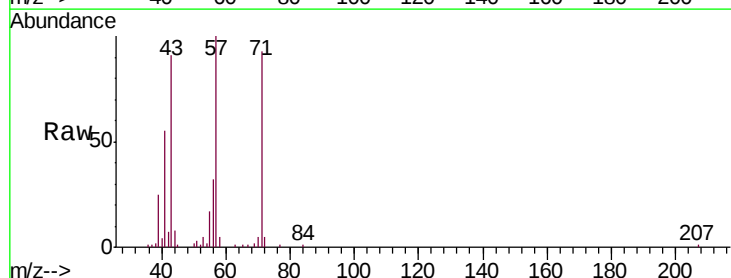
Acq: 28 Jul 2018 03:25

Tgt Ion: 43 Resp: 36896

Ion Ratio Lower Upper

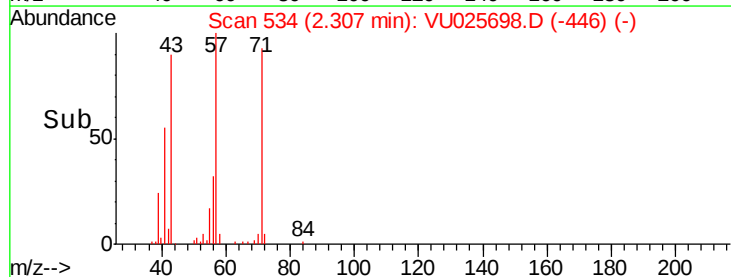
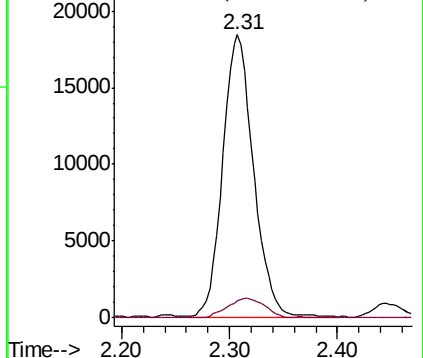
43 100

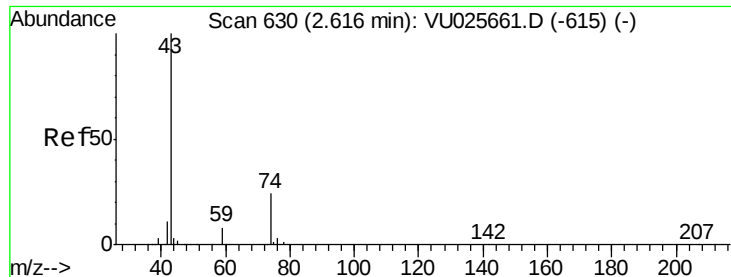
58 5.9 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

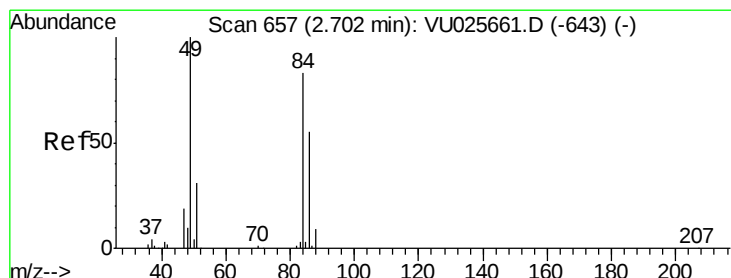
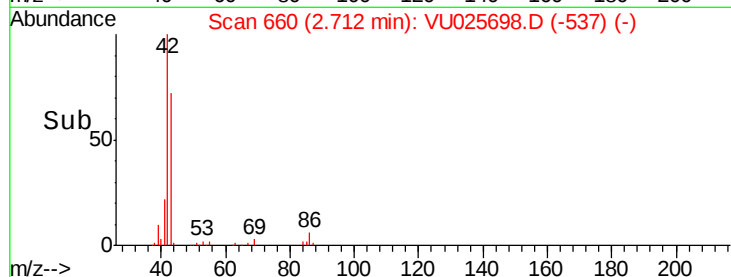
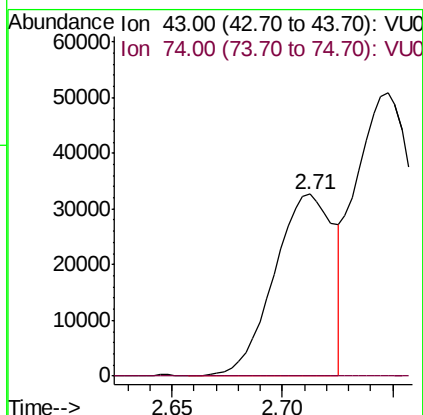
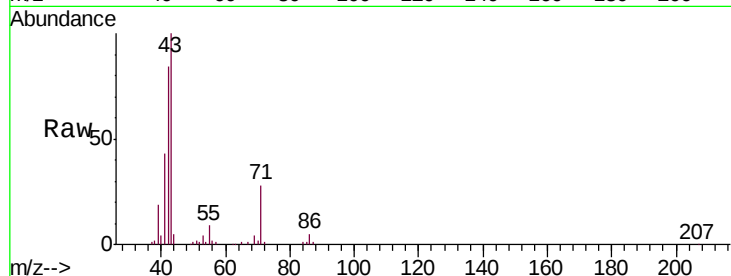




#18
Methyl Acetate
Concen: 19.31 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.10 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

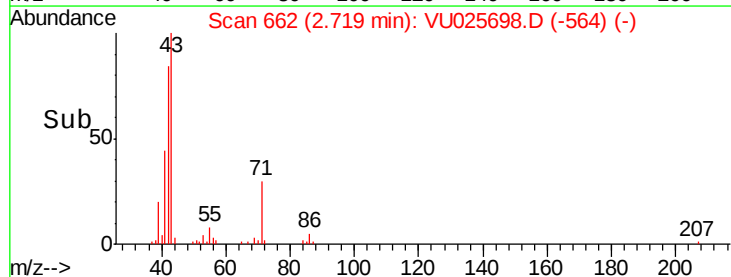
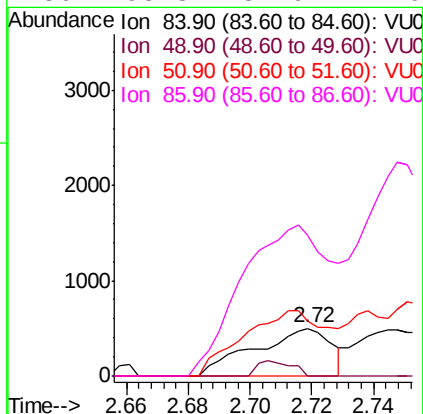
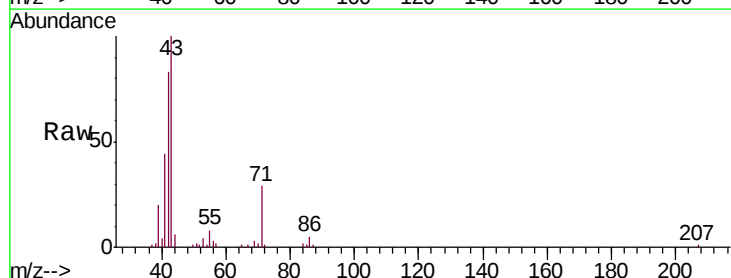
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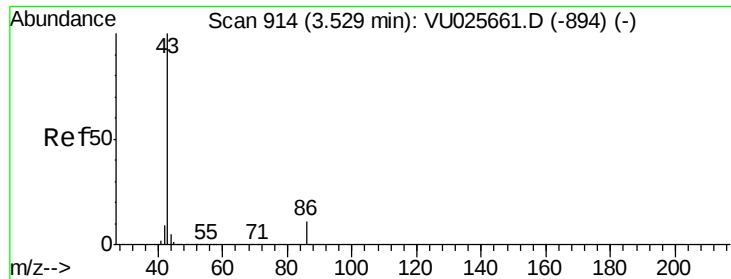
Tot Ion: 43 Resp: 61515
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: 0.37 ug/l
RT: 2.72 min Scan# 662
Delta R.T. 0.02 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Tgt Ion: 84 Resp: 861
Ion Ratio Lower Upper
84 100
49 0.0 101.8 152.6#
51 115.6 30.8 46.2#
86 295.8 51.9 77.9#





#23

Vinyl Acetate

Concen: 7.33 ug/l

RT: 3.31 min Scan# 845

Delta R.T. -0.22 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

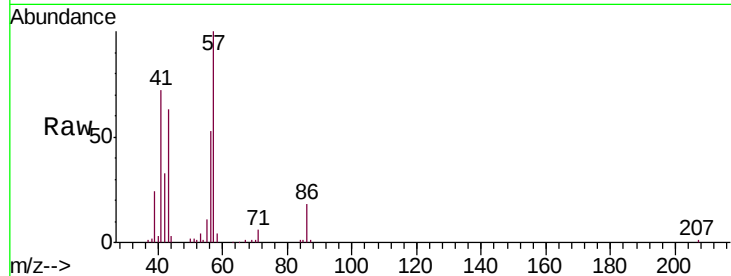
FL-0505

Tot Ion: 43 Resp: 42324

Ion Ratio Lower Upper

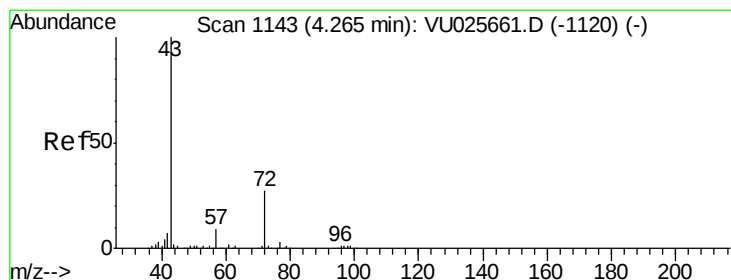
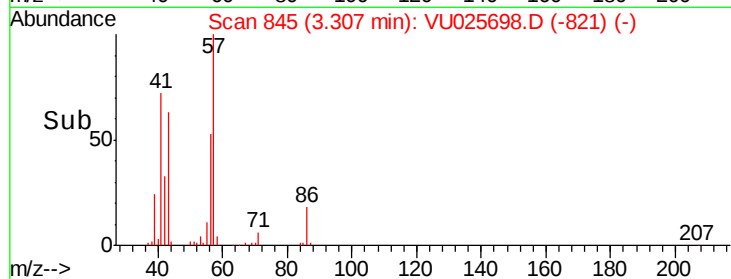
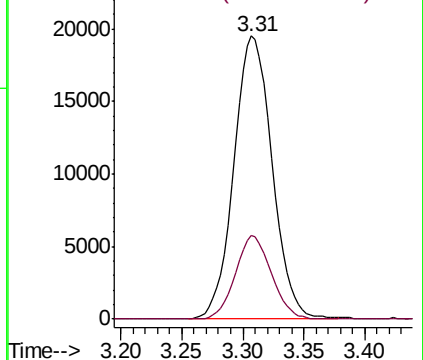
43 100

86 29.4 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#25

2-Butanone

Concen: 2.30 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.04 min

Lab File: VU025698.D

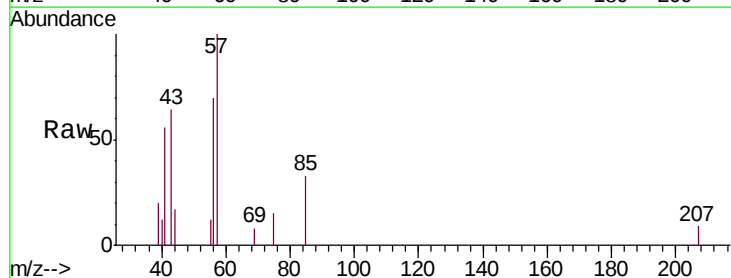
Acq: 28 Jul 2018 03:25

Tgt Ion: 43 Resp: 4150

Ion Ratio Lower Upper

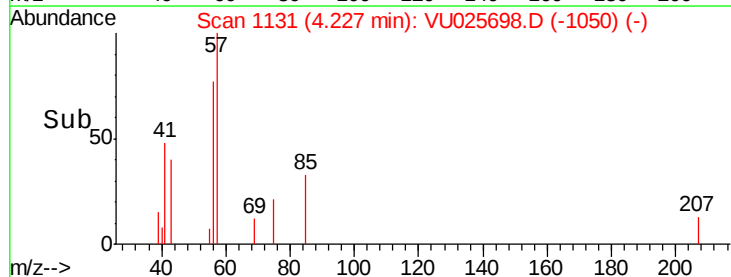
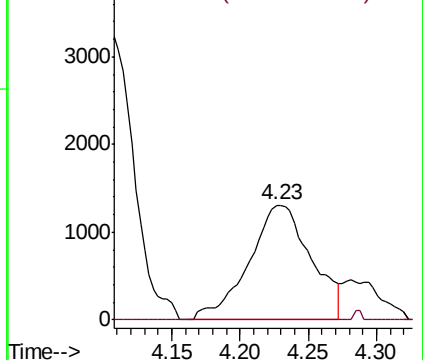
43 100

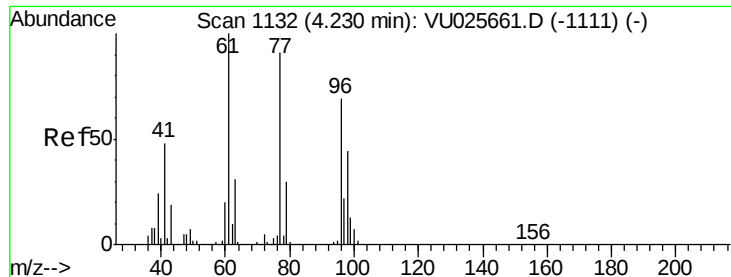
72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

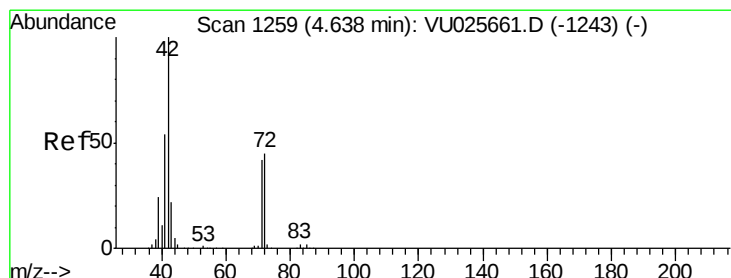
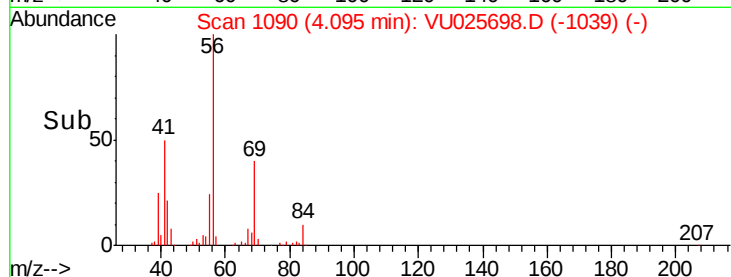
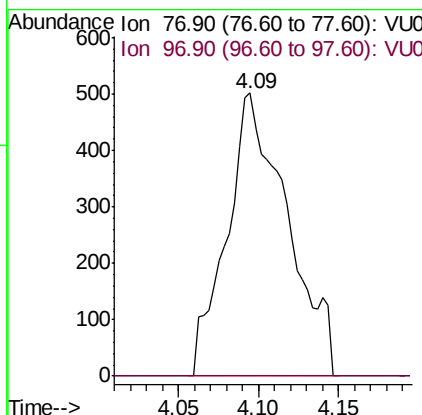
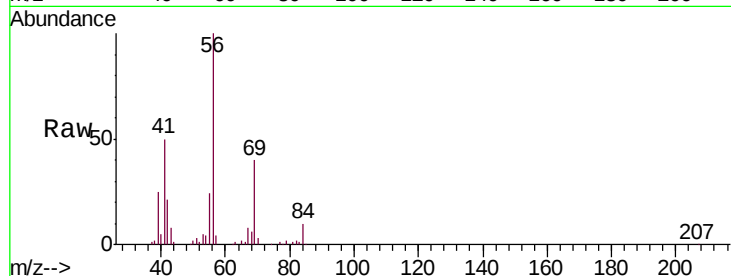




#26
 2,2-Dichloropropane
 Concen: 0.36 ug/l
 RT: 4.09 min Scan# 1090
 Delta R.T. -0.13 min
 Lab File: VU025698.D
 Acq: 28 Jul 2018 03:25

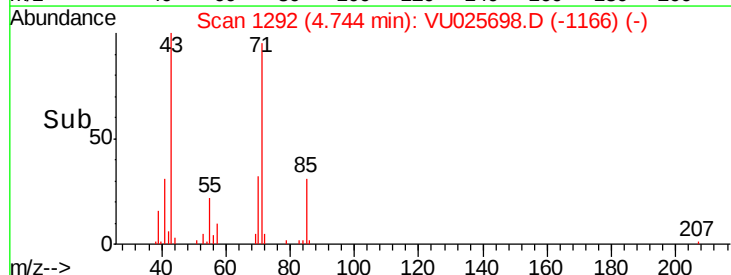
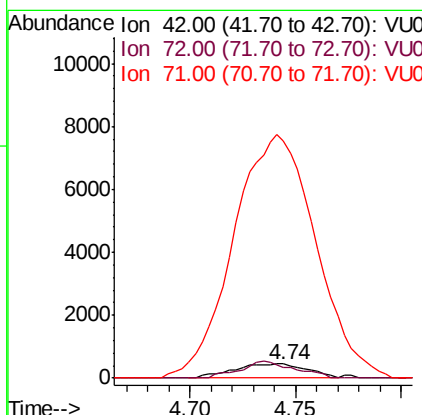
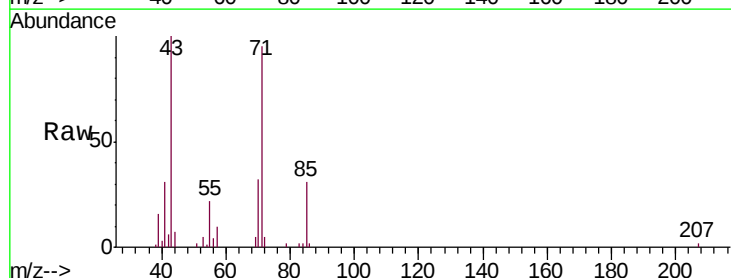
Instrument :
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 FL-0505

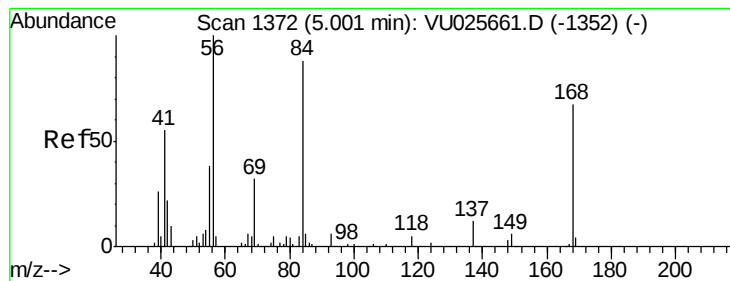
Tot Ion: 77 Resp: 1301
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#29
 Tetrahydrofuran
 Concen: 1.02 ug/l
 RT: 4.74 min Scan# 1292
 Delta R.T. 0.11 min
 Lab File: VU025698.D
 Acq: 28 Jul 2018 03:25

Tgt Ion: 42 Resp: 1100
 Ion Ratio Lower Upper
 42 100
 72 87.2 36.7 55.1#
 71 1907.0 33.9 50.9#





#31

Cyclohexane

Concen: 15.11 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

FL-0505

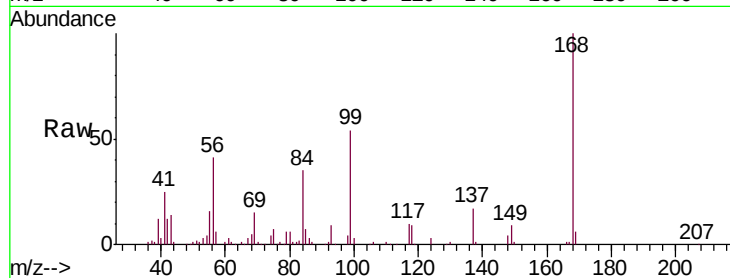
Tot Ion: 56 Resp: 55538

Ion Ratio Lower Upper

56 100

69 35.9 26.8 40.2

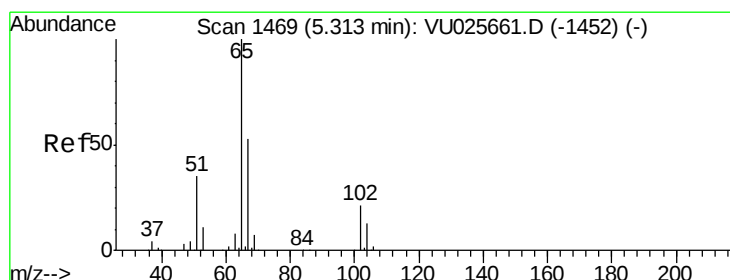
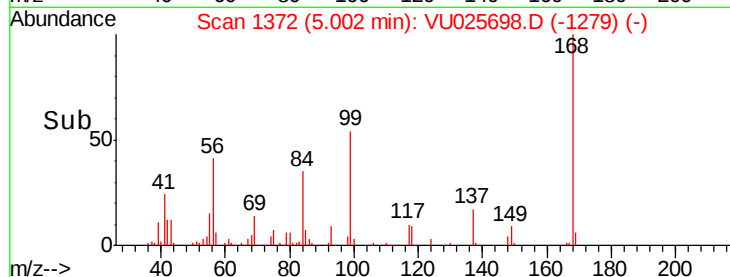
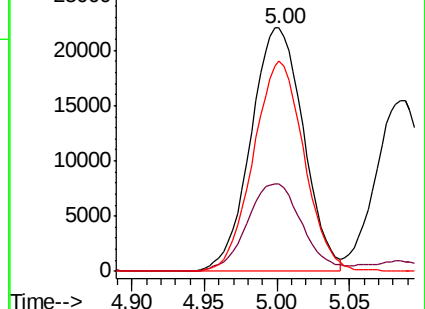
84 86.4 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU025661.D (-1352) (-)

Ion 69.00 (68.70 to 69.70): VU025661.D (-1352) (-)

Ion 84.00 (83.70 to 84.70): VU025661.D (-1352) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.37 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025698.D

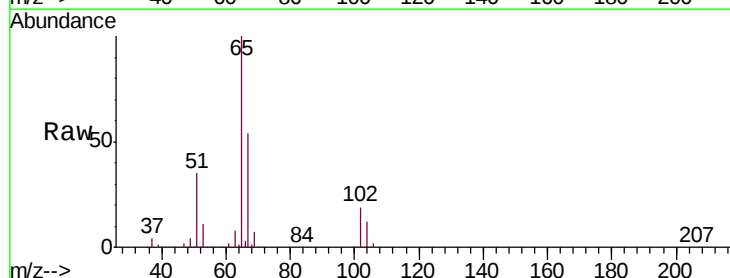
Acq: 28 Jul 2018 03:25

Tgt Ion: 65 Resp: 134049

Ion Ratio Lower Upper

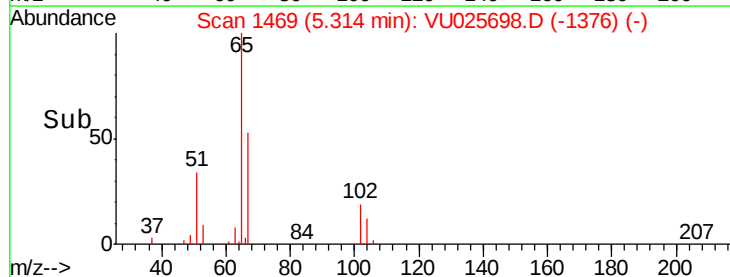
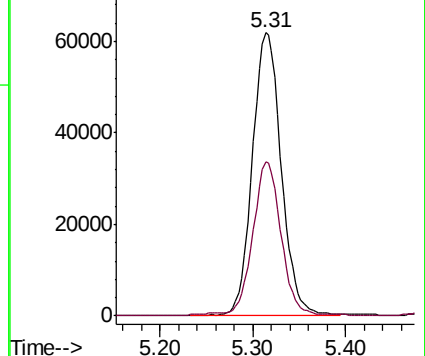
65 100

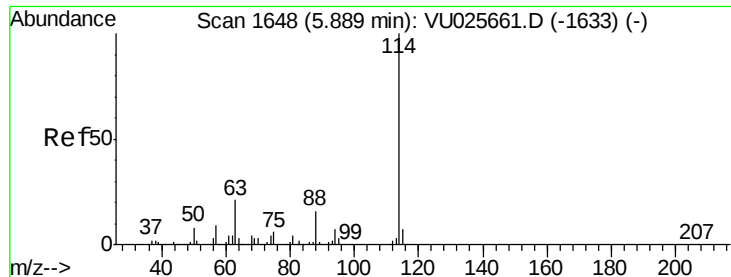
67 52.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025661.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025661.D (-1452) (-)

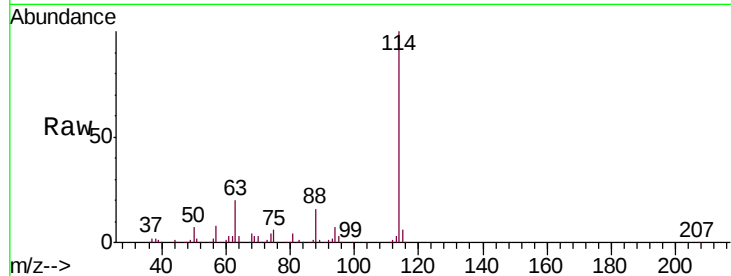




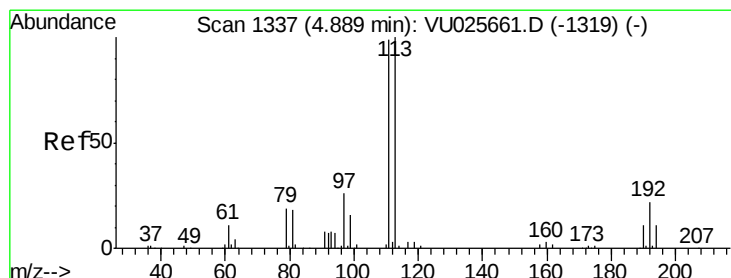
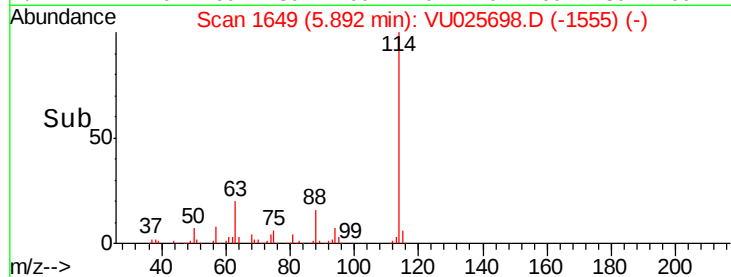
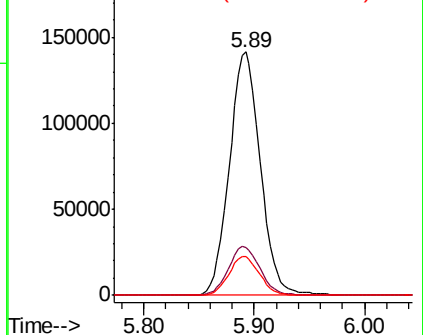
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.89 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Instrument :
MSVOA_U
ClientSampleId :
FL-0505

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.6
88	15.7	0.0	32.4

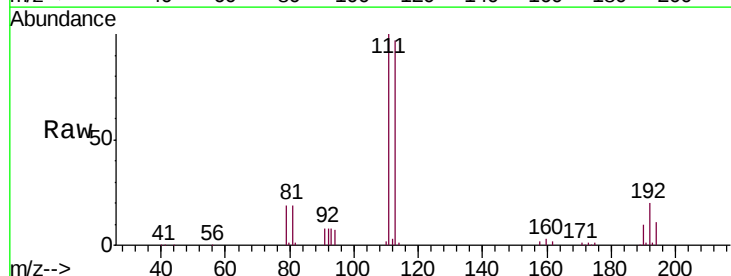


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

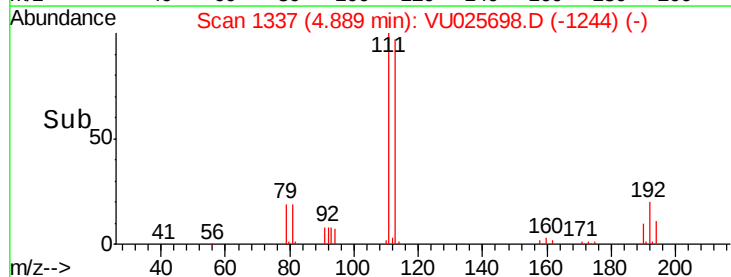
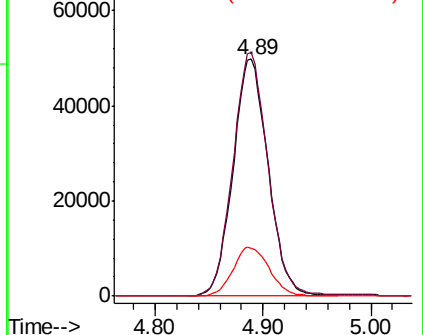


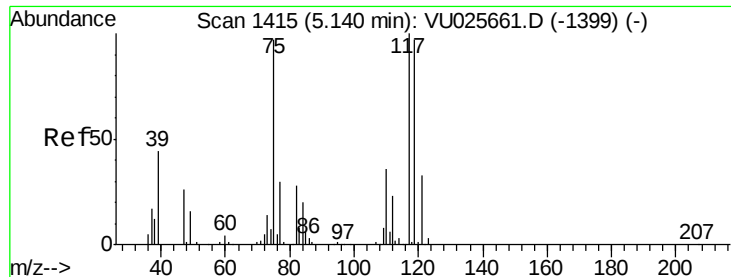
#35
Dibromofluoromethane
Concen: 47.36 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	21.3	17.1	25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.91 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

FL-0505

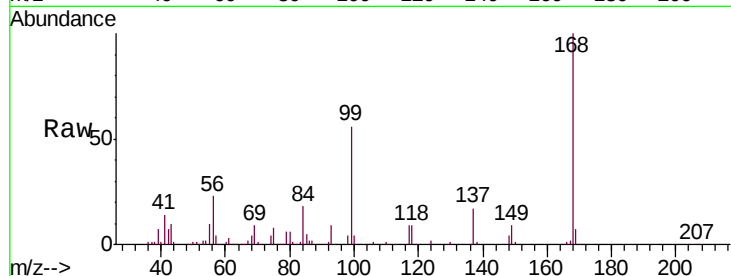
Tot Ion: 75 Resp: 12565

Ion Ratio Lower Upper

75 100

110 10.5 17.6 52.9#

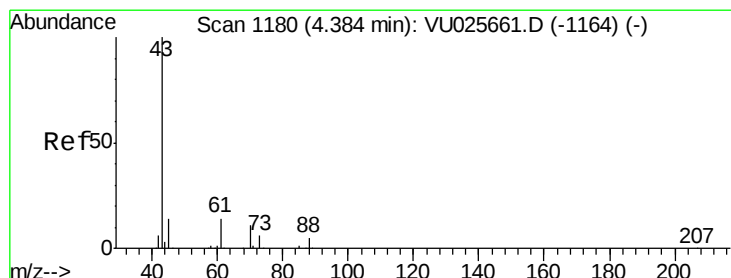
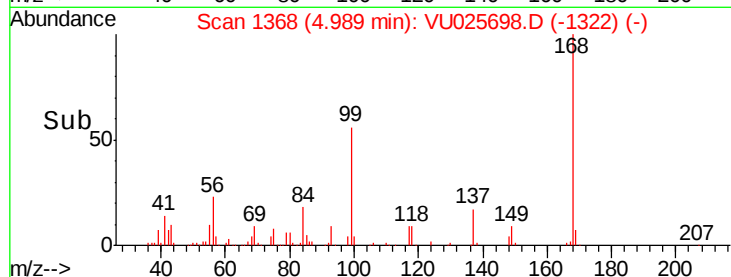
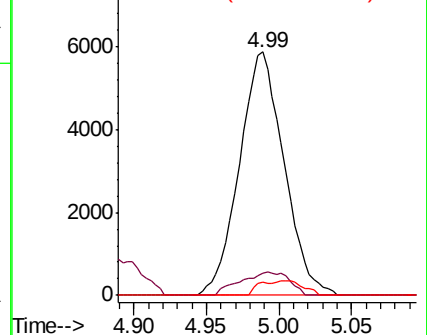
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#37

Ethyl Acetate

Concen: 1.25 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.16 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

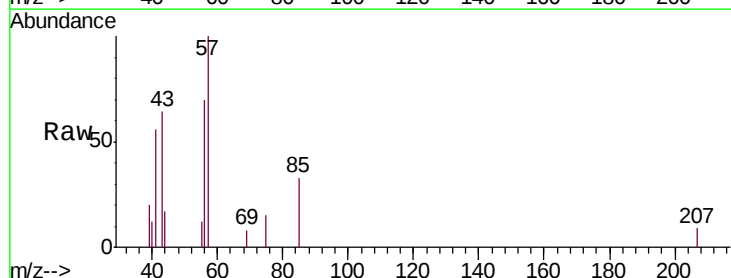
Tgt Ion: 43 Resp: 4150

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

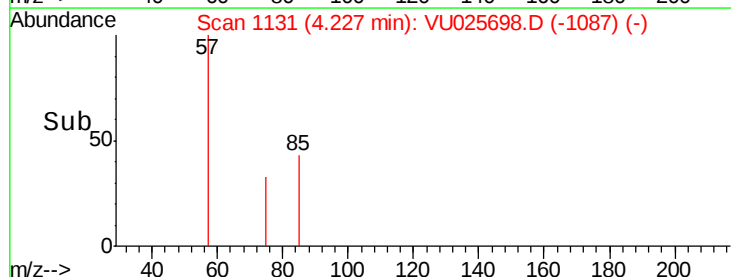
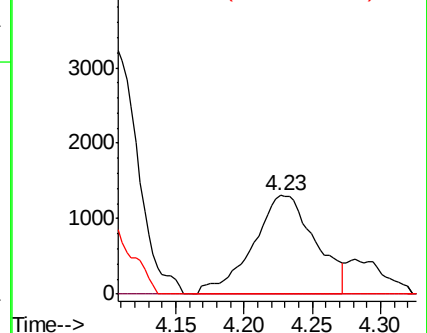
70 0.0 8.4 12.6#

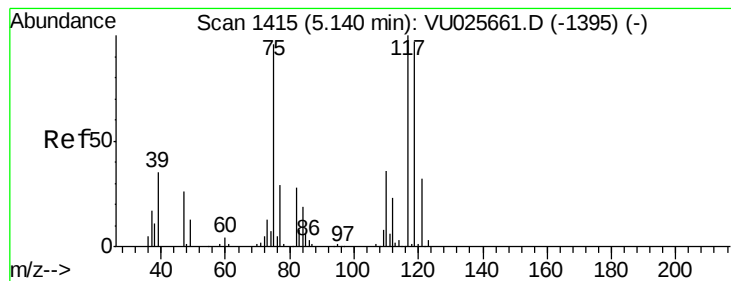


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0





#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

FL-0505

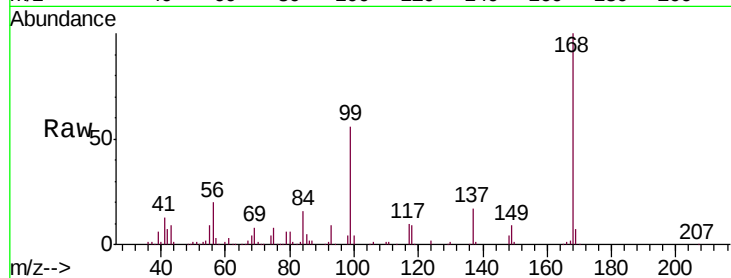
Tot Ion:117 Resp: 16883

Ion Ratio Lower Upper

117 100

119 4.1 75.7 113.5#

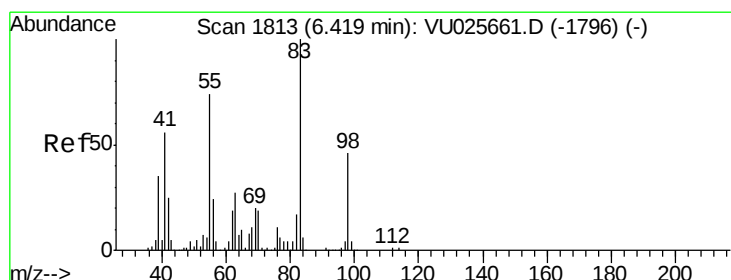
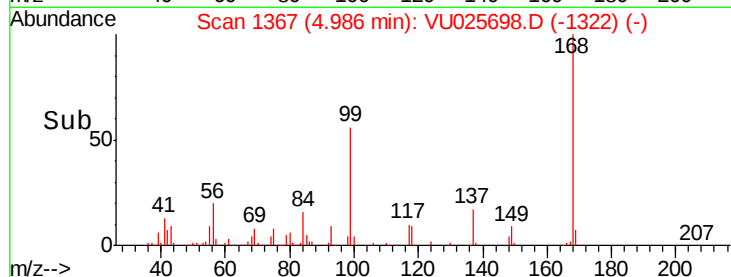
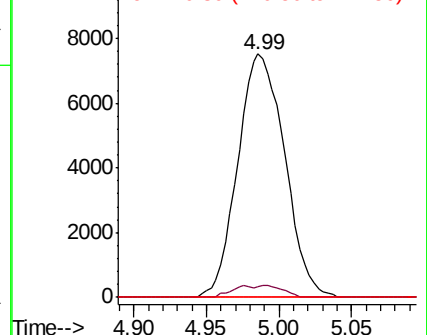
121 0.0 24.6 36.8#



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: 27.01 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

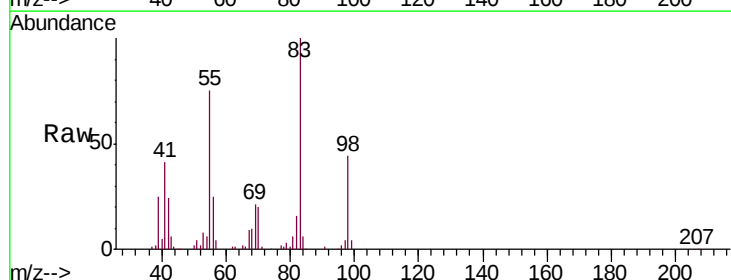
Tgt Ion: 83 Resp: 99348

Ion Ratio Lower Upper

83 100

55 75.3 60.0 90.0

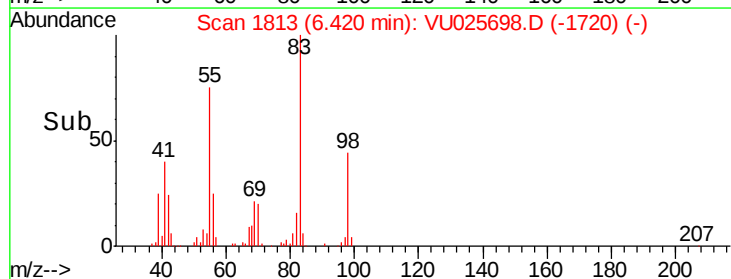
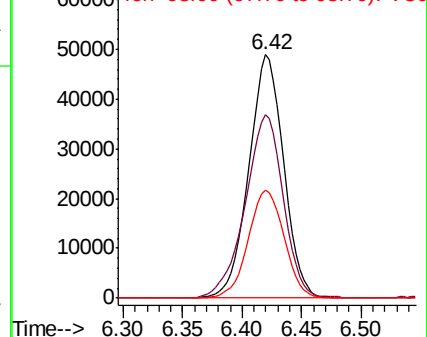
98 44.1 36.1 54.1

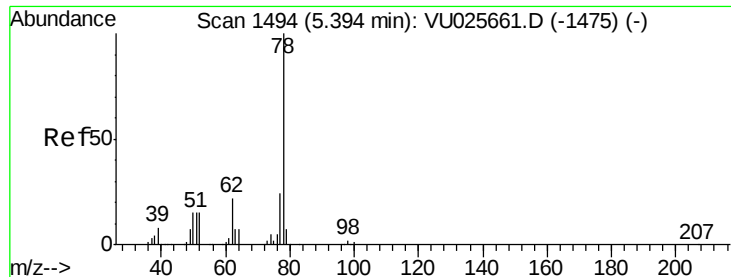


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 9.42 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

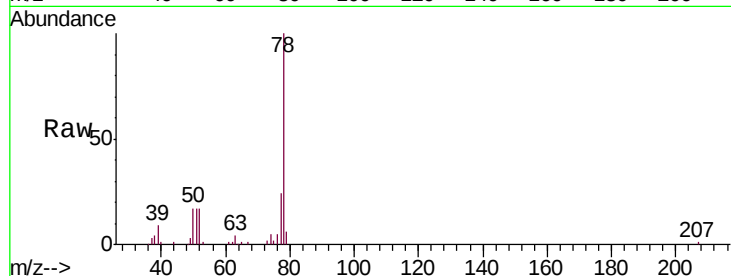
FL-0505

Tot Ion: 78 Resp: 88365

Ion Ratio Lower Upper

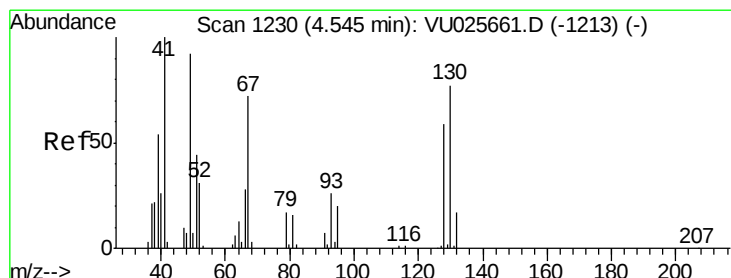
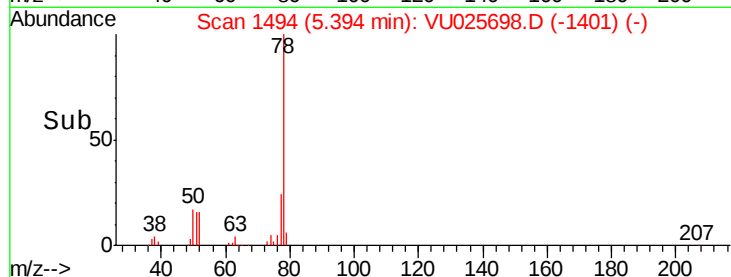
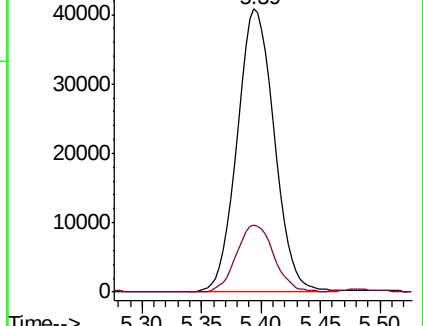
78 100

77 23.7 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU025661.D (-1475) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-1475) (-)



#41

Methacrylonitrile

Concen: 3.83 ug/l

RT: 4.74 min Scan# 1292

Delta R.T. 0.20 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Tgt Ion: 41 Resp: 7075

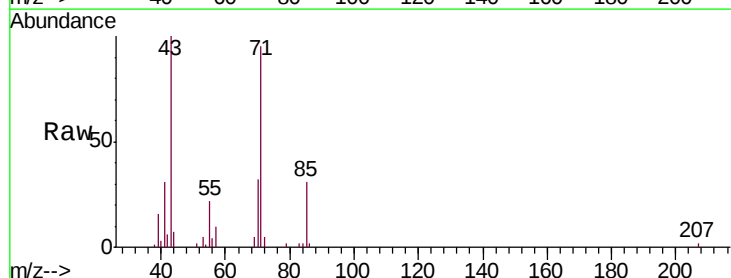
Ion Ratio Lower Upper

41 100

39 0.0 44.4 66.6#

67 0.7 56.0 84.0#

52 0.0 24.6 36.8#

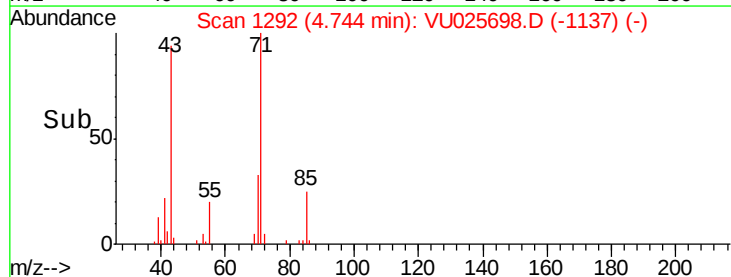
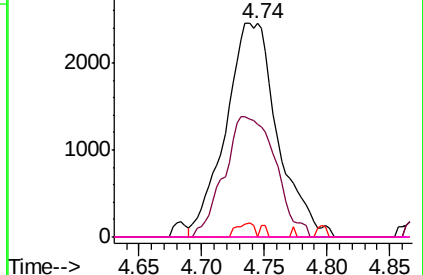


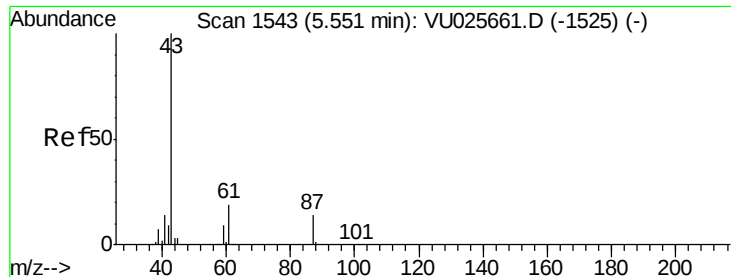
Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-1213) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-1213) (-)

Ion 67.00 (66.70 to 67.70): VU025661.D (-1213) (-)

Ion 52.00 (51.70 to 52.70): VU025661.D (-1213) (-)





#43

Isopropyl Acetate

Concen: 0.43 ug/l

RT: 5.56 min Scan# 1546

Delta R.T. 0.01 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

FL-0505

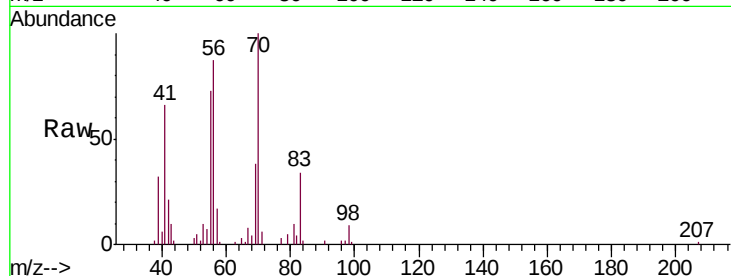
Tot Ion: 43 Resp: 2342

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

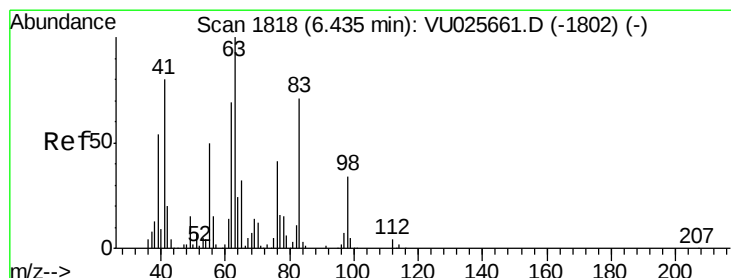
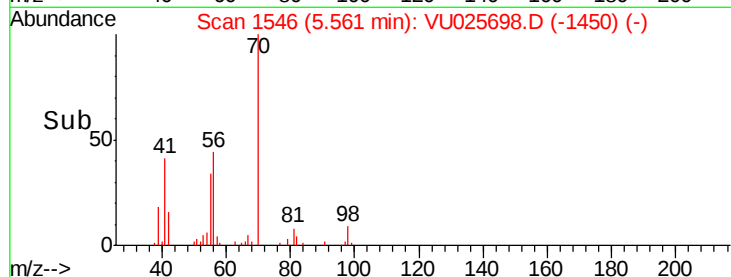
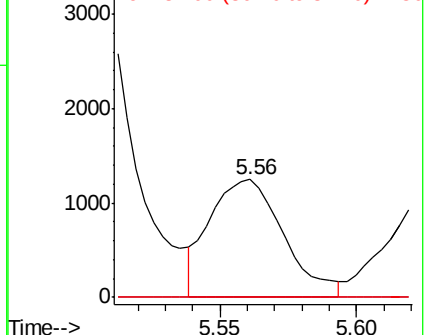
87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#45

1,2-Dichloropropane

Concen: 0.42 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. -0.02 min

Lab File: VU025698.D

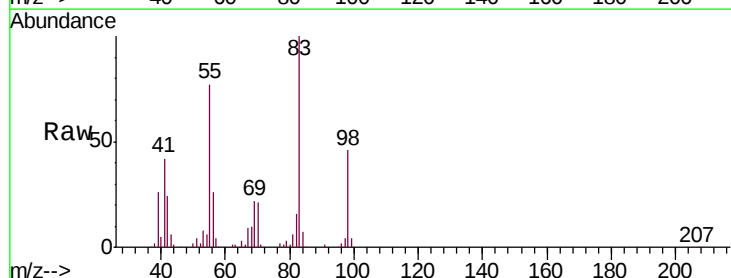
Acq: 28 Jul 2018 03:25

Tgt Ion: 63 Resp: 1040

Ion Ratio Lower Upper

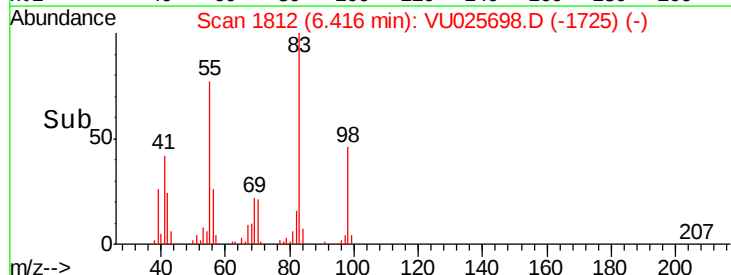
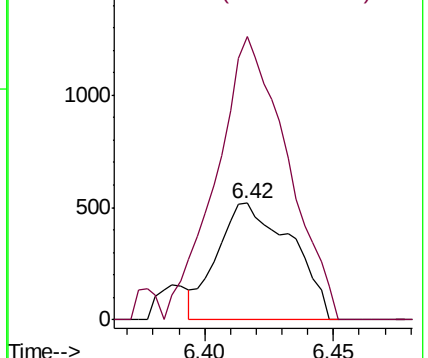
63 100

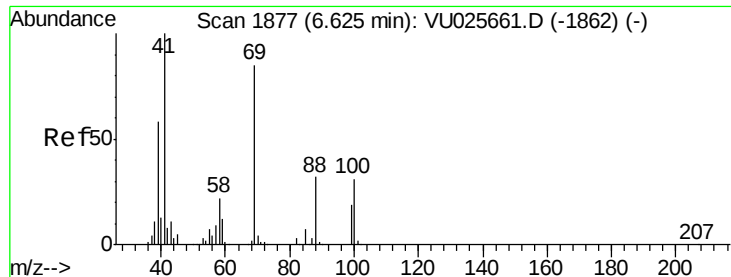
65 243.1 26.1 39.1#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

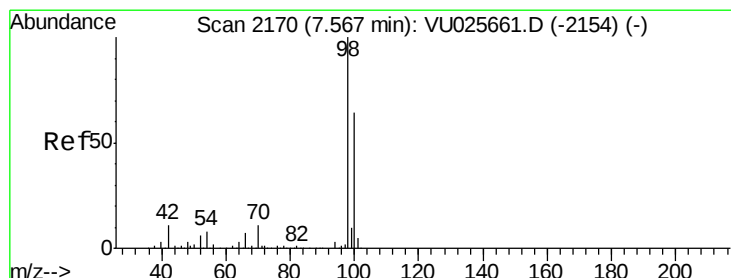
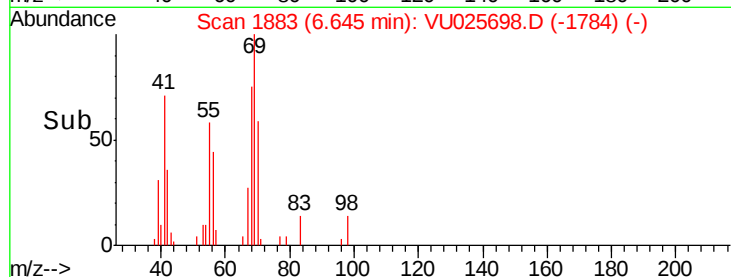
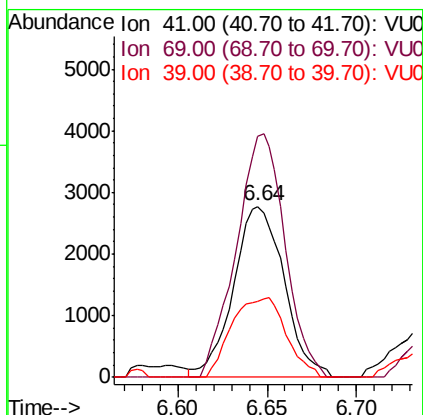
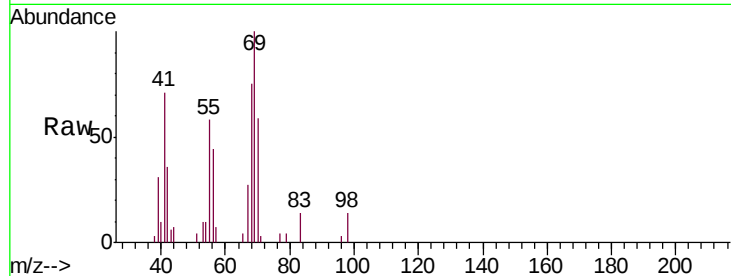




#48
Methvl methacrylate
Concen: 2.04 ug/l
RT: 6.64 min Scan# 1883
Delta R.T. 0.02 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

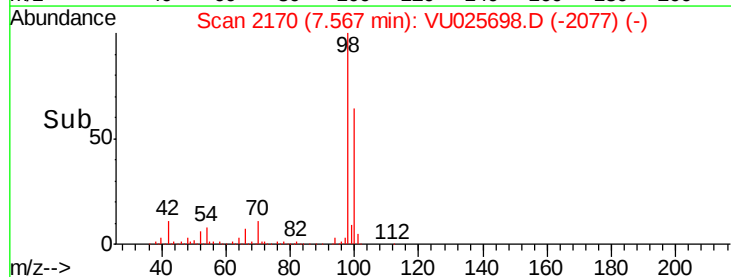
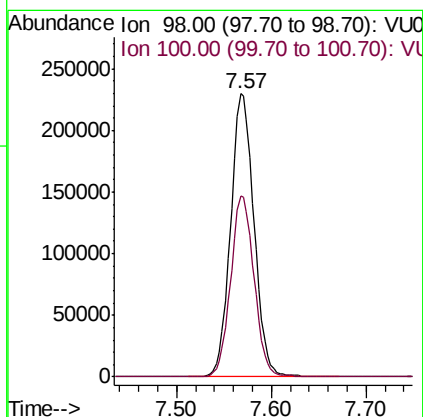
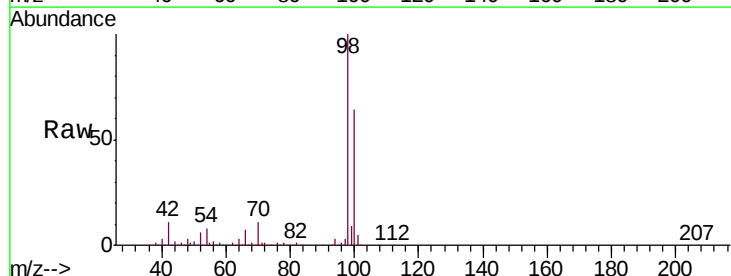
Instrument :
MSVOA_U
ClientSampleId :
FL-0505

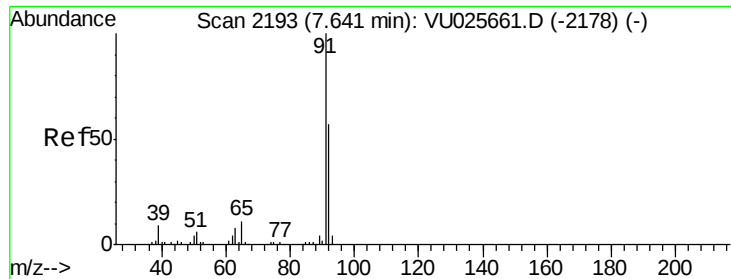
Tot Ion: 41 Resp: 5504
Ion Ratio Lower Upper
41 100
69 137.0 65.0 97.4#
39 50.0 46.4 69.6



#50
Toluene-d8
Concen: 47.38 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Tgt Ion: 98 Resp: 396114
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7





#52

Toluene

Concen: 0.28 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

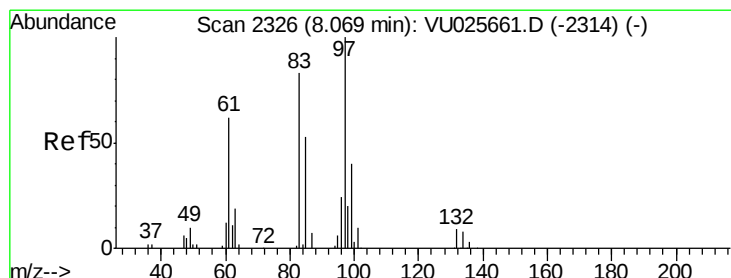
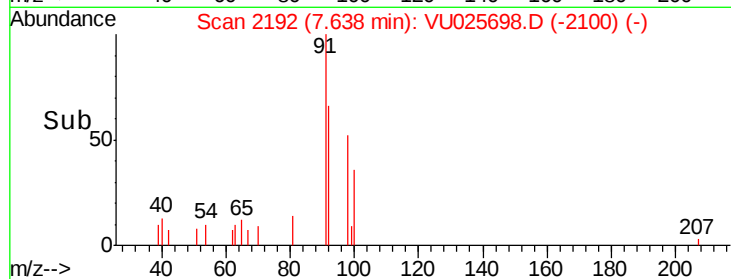
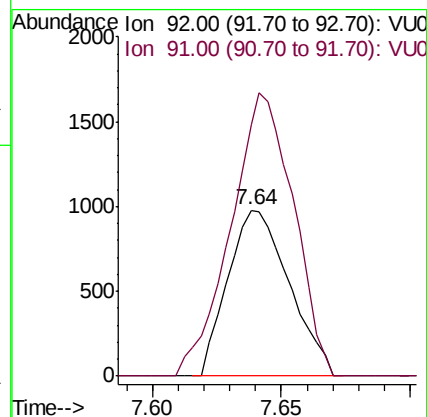
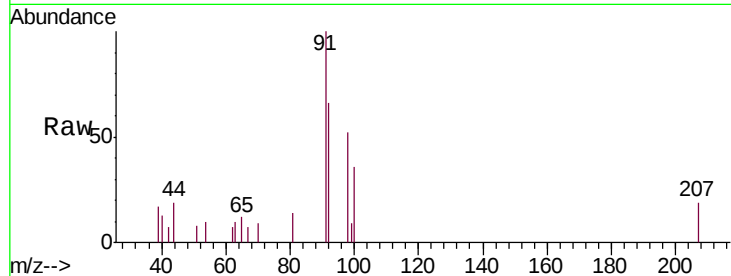
FL-0505

Tot Ion: 92 Resp: 1616

Ion Ratio Lower Upper

92 100

91 174.8 139.2 208.8



#55

1,1,2-Trichloroethane

Concen: 2.54 ug/l

RT: 8.05 min Scan# 2320

Delta R.T. -0.02 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Tgt Ion: 97 Resp: 6151

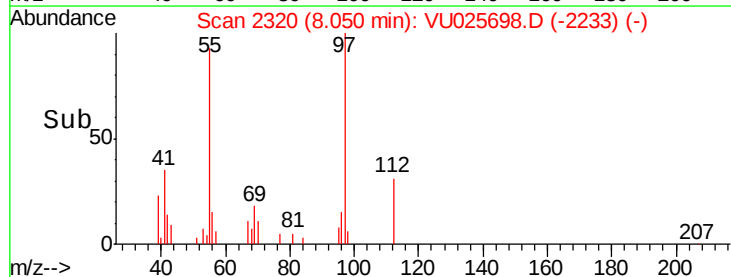
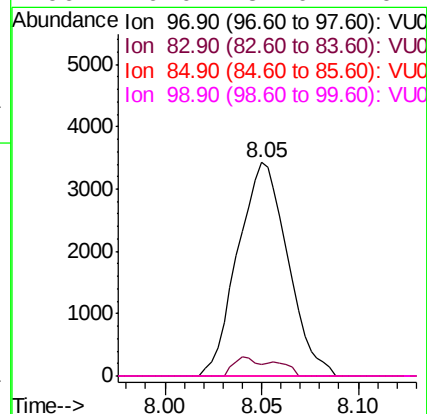
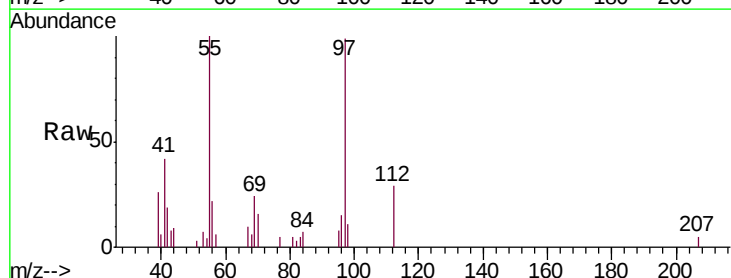
Ion Ratio Lower Upper

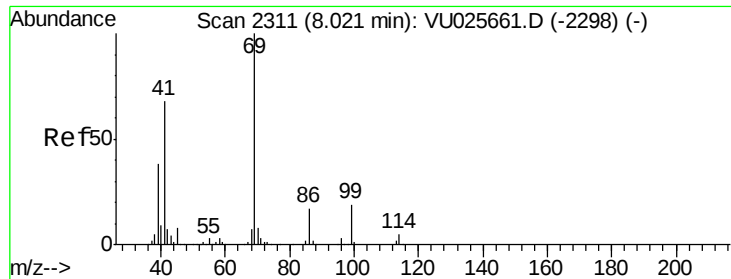
97 100

83 5.4 68.9 103.3#

85 0.0 44.4 66.6#

99 0.0 51.0 76.4#

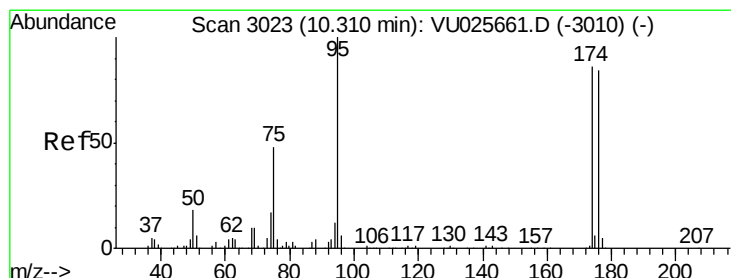
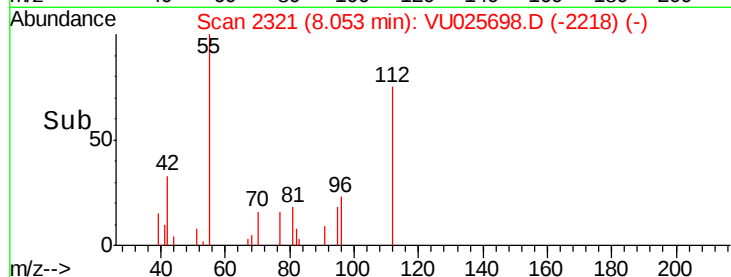
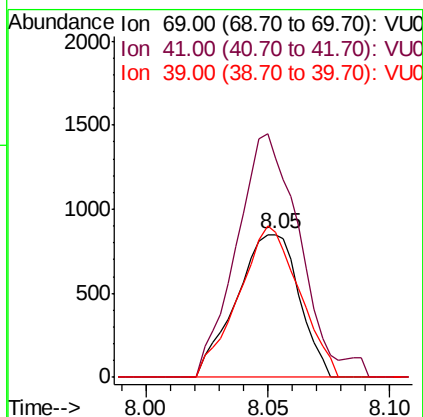
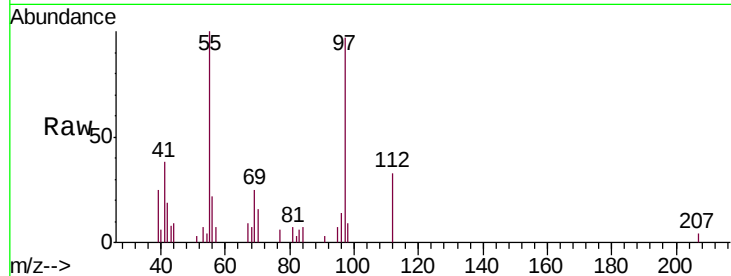




#56
Ethyl methacrylate
Concen: 0.44 ug/l
RT: 8.05 min Scan# 2321
Delta R.T. 0.03 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

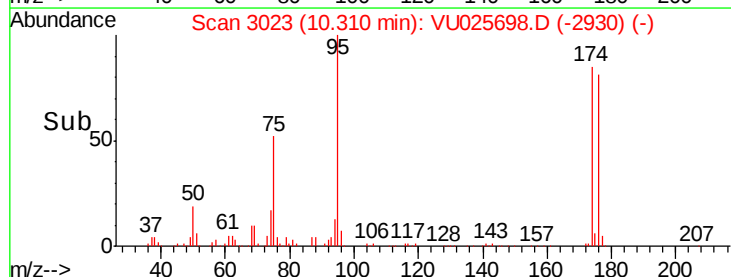
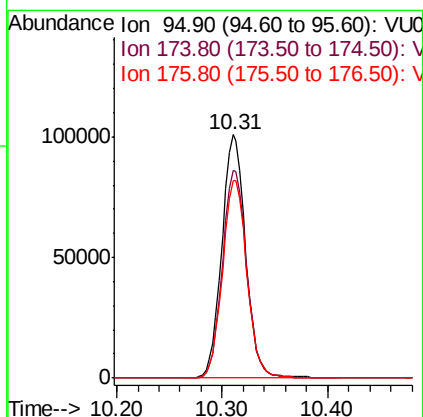
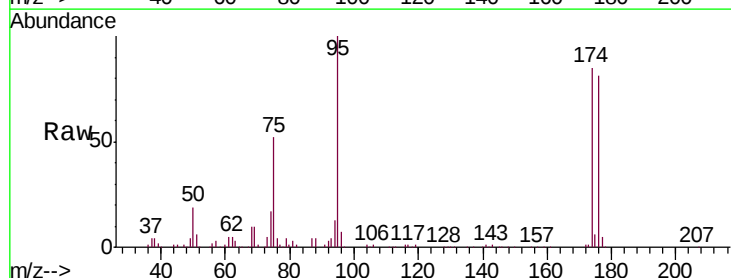
Instrument :
MSVOA_U
ClientSampleId :
FL-0505

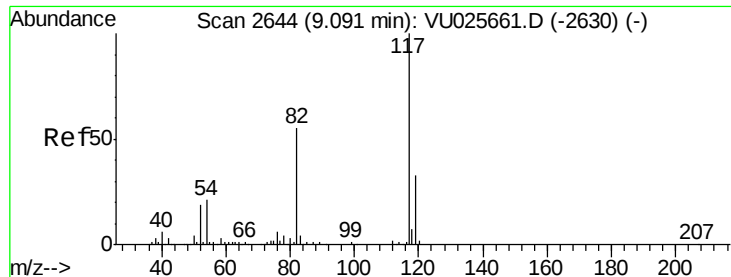
Tot Ion: 69 Resp: 1517
Ion Ratio Lower Upper
69 100
41 172.1 54.8 82.2#
39 102.3 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 48.44 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Tgt Ion: 95 Resp: 157187
Ion Ratio Lower Upper
95 100
174 87.2 0.0 172.2
176 83.4 0.0 162.6

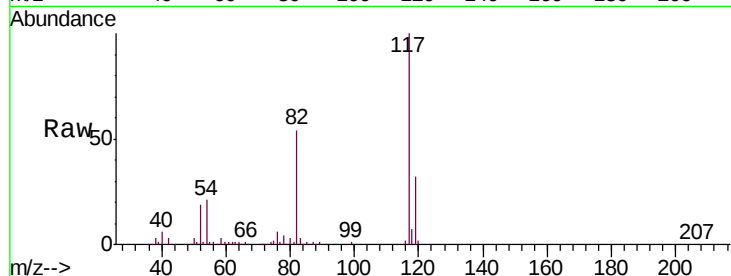




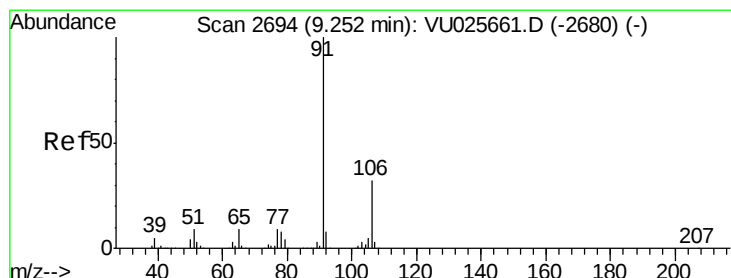
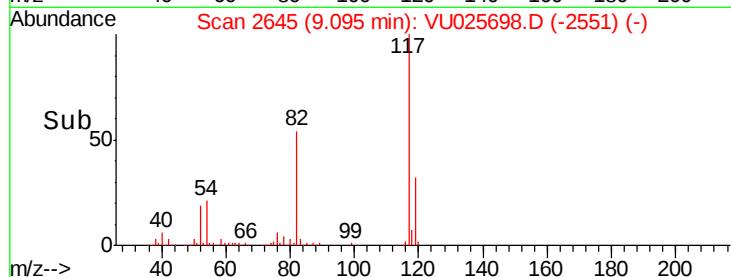
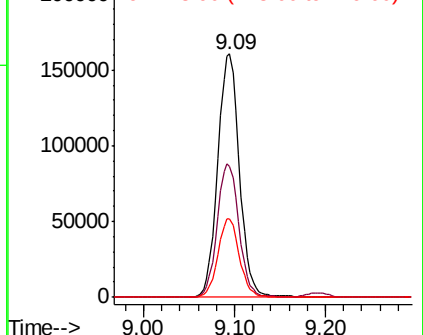
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Instrument :
MSVOA_U
ClientSampleId :
FL-0505

Tot Ion:117 Resp: 266721
Ion Ratio Lower Upper
117 100
82 53.9 46.0 69.0
119 32.3 26.0 39.0

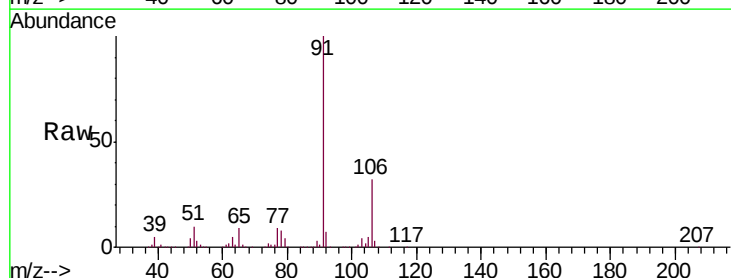


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

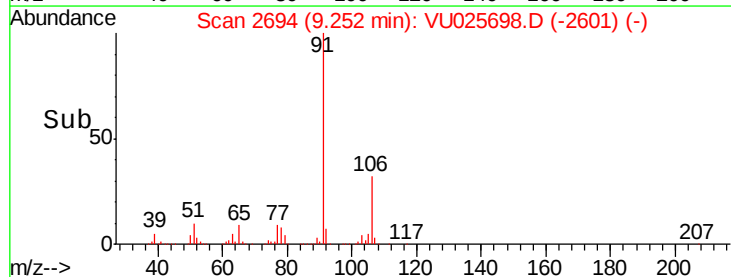
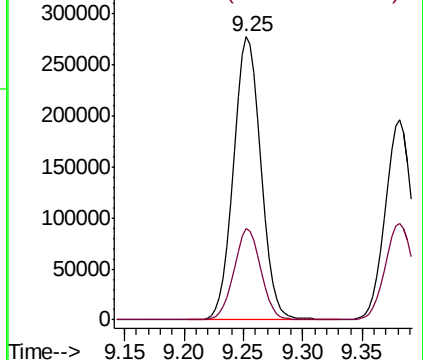


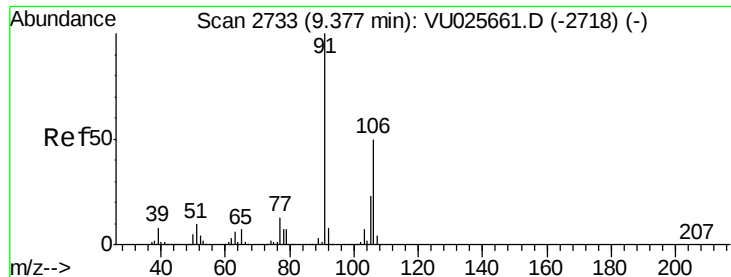
#67
Ethyl Benzene
Concen: 38.96 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Tgt Ion: 91 Resp: 443800
Ion Ratio Lower Upper
91 100
106 32.1 25.3 37.9



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

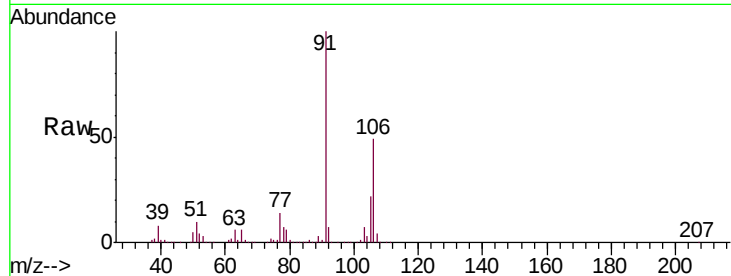




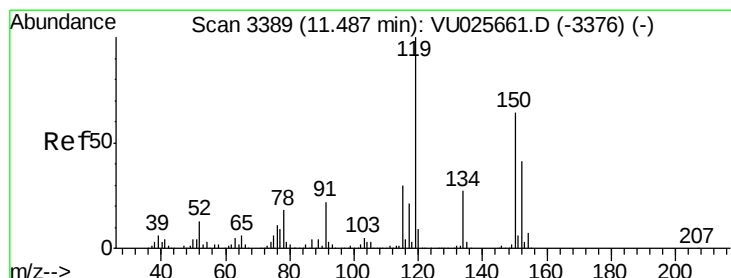
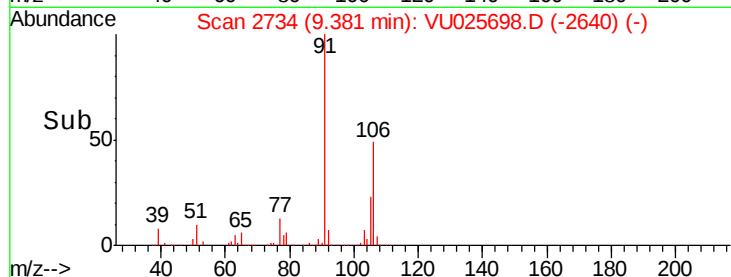
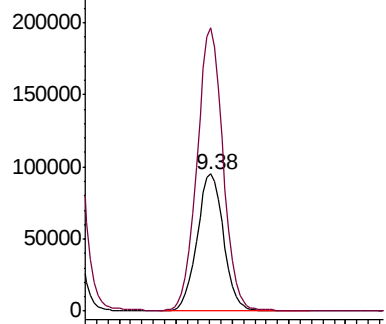
#68
m/p-Xvlenes
Concen: 35.49 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Instrument :
MSVOA_U
ClientSampleId :
FL-0505

Tot Ion:106 Resp: 155193
Ion Ratio Lower Upper
106 100
91 202.8 162.3 243.5

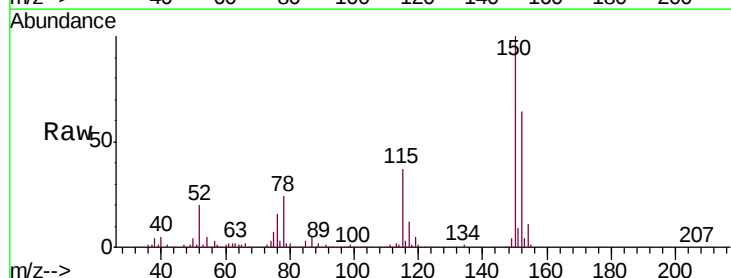


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

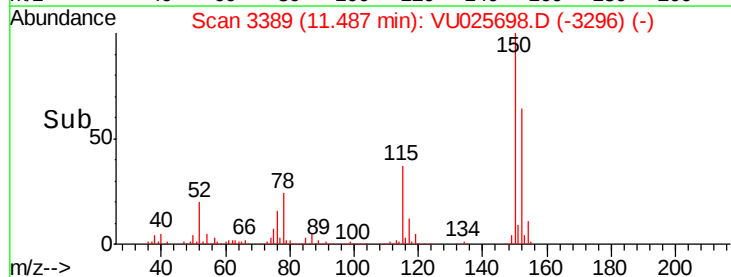
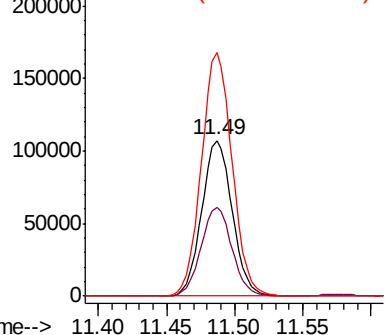


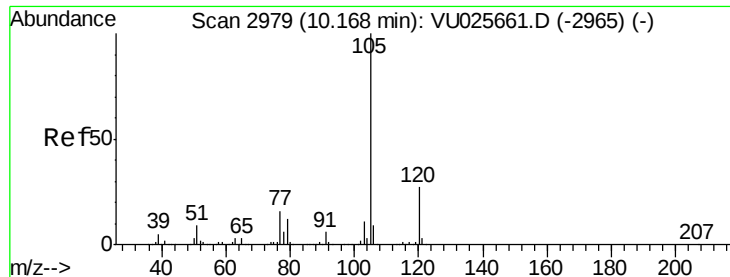
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Tgt Ion:152 Resp: 166681
Ion Ratio Lower Upper
152 100
115 57.4 40.1 120.3
150 157.5 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: 5.83 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

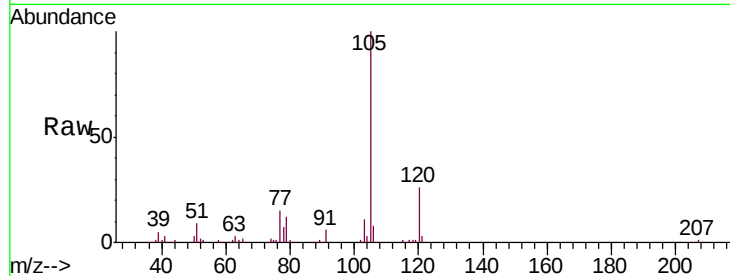
FL-0505

Tot Ion:105 Resp: 66272

Ion Ratio Lower Upper

105 100

120 26.4 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

40000

30000

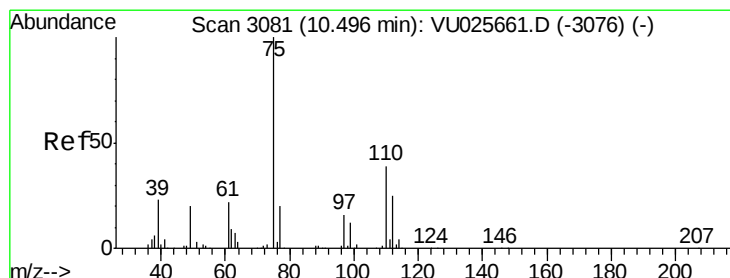
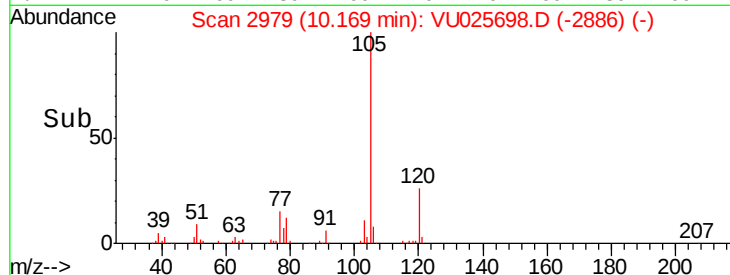
20000

10000

0

Time-->

10.10 10.15 10.20 10.25



#76

1,2,3-Trichloropropane

Concen: 22.23 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025698.D

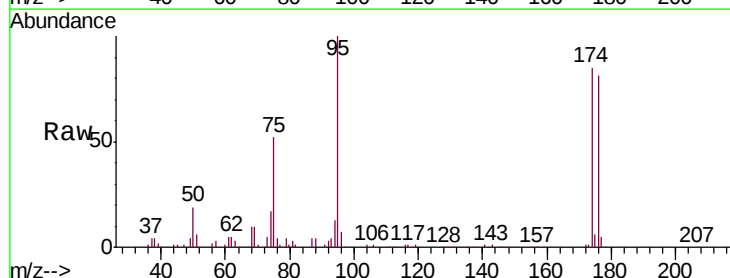
Acq: 28 Jul 2018 03:25

Tgt Ion: 75 Resp: 81629

Ion Ratio Lower Upper

75 100

77 1.1 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

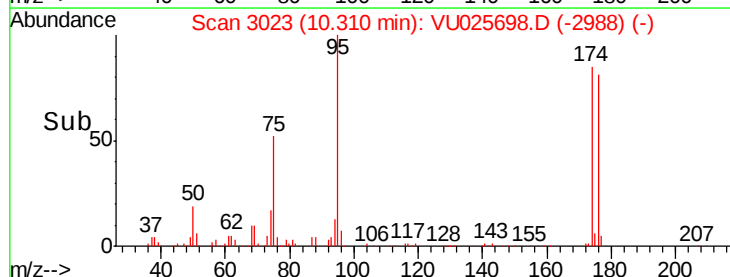
20000

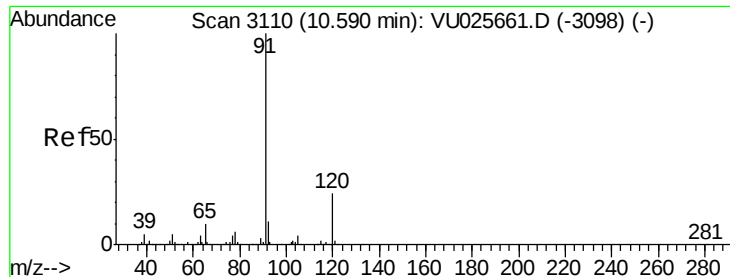
10000

0

Time-->

10.30 10.40





#78

n-propylbenzene

Concen: 8.30 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampled :

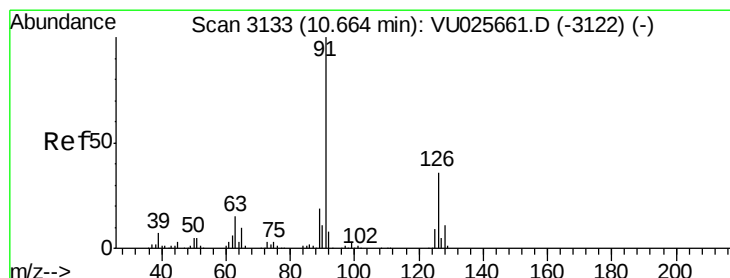
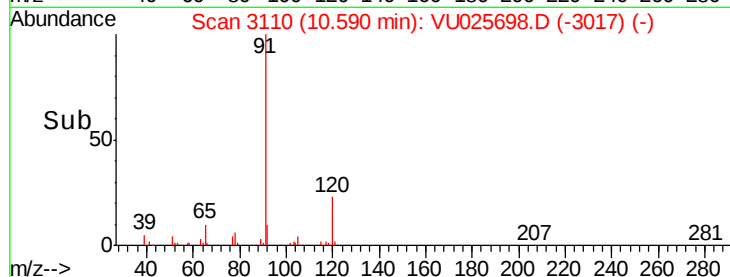
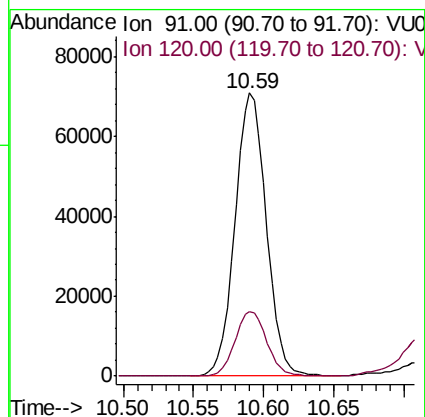
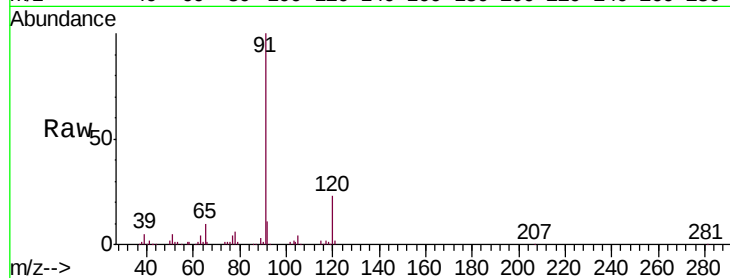
FL-0505

Tot Ion: 91 Resp: 110224

Ion Ratio Lower Upper

91 100

120 23.1 11.8 35.3



#79

2-Chlorotoluene

Concen: 0.88 ug/l

RT: 10.71 min Scan# 3147

Delta R.T. 0.05 min

Lab File: VU025698.D

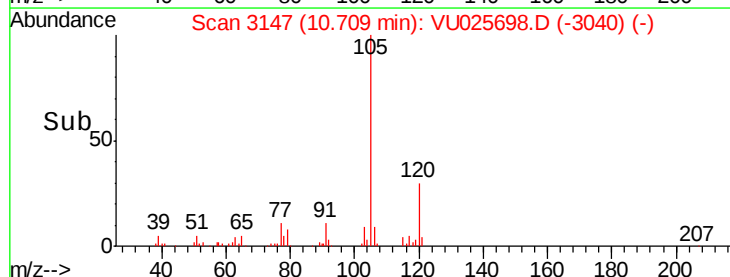
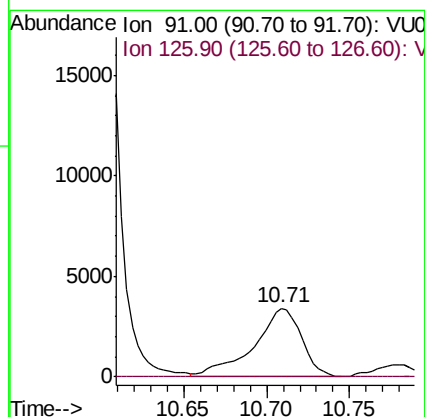
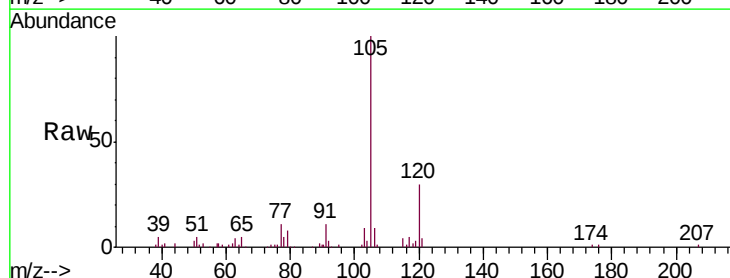
Acq: 28 Jul 2018 03:25

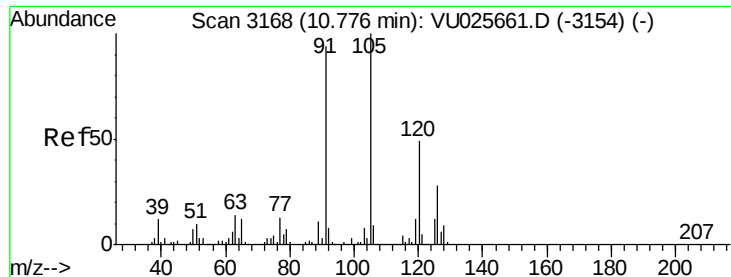
Tgt Ion: 91 Resp: 6863

Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.6#





#80

1,3,5-Trimethylbenzene

Concen: 0.91 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampled :

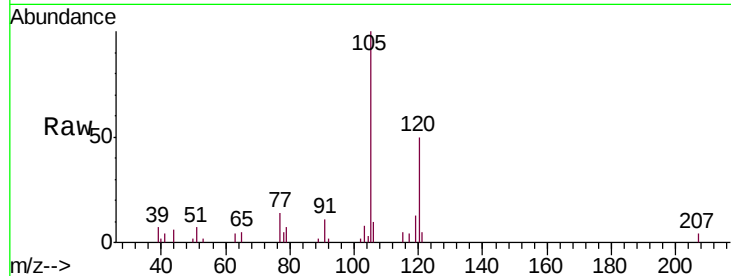
FL-0505

Tot Ion:105 Resp: 8748

Ion Ratio Lower Upper

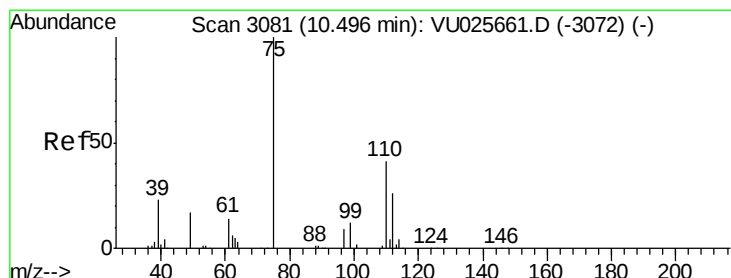
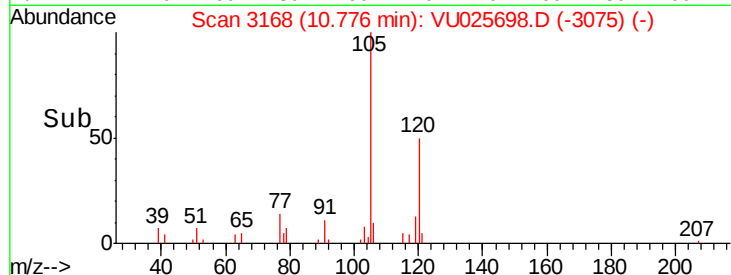
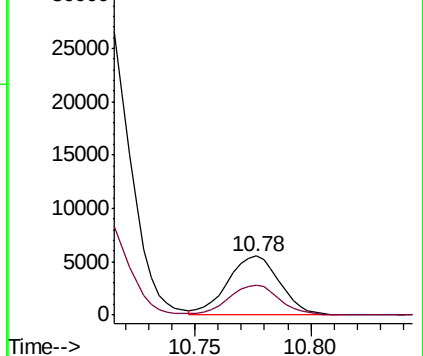
105 100

120 49.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 55.73 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

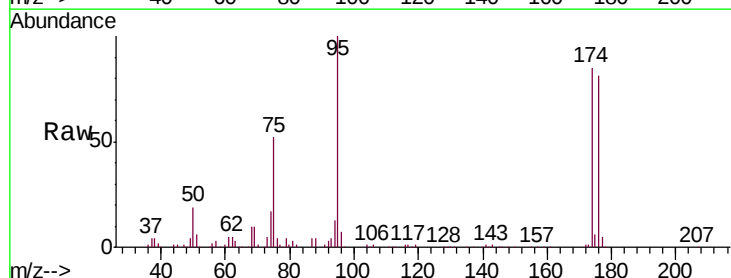
Tgt Ion: 75 Resp: 81629

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

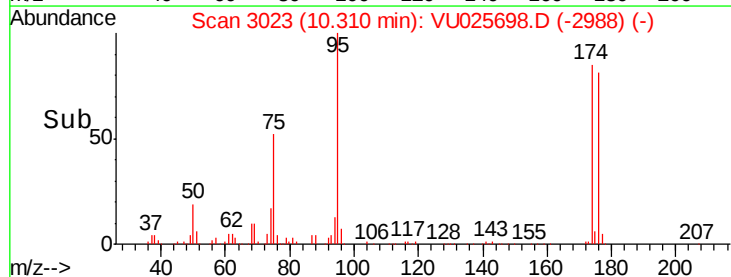
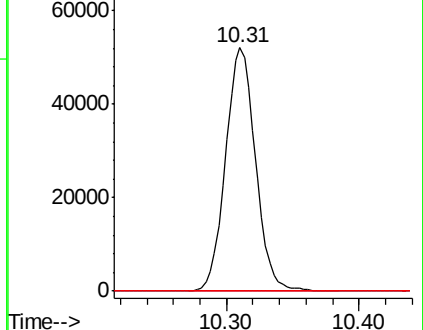
89 0.0 0.0 0.0

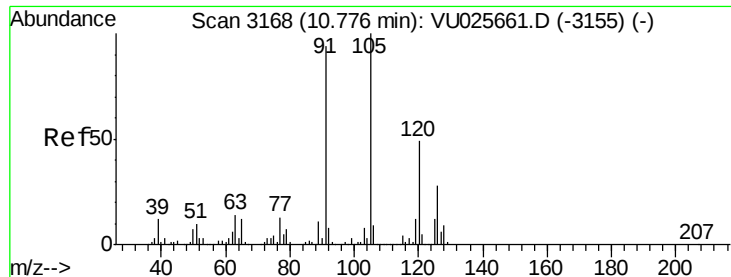


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#82

4-Chlorotoluene

Concen: 0.75 ug/l

RT: 10.71 min Scan# 3147

Delta R.T. -0.07 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

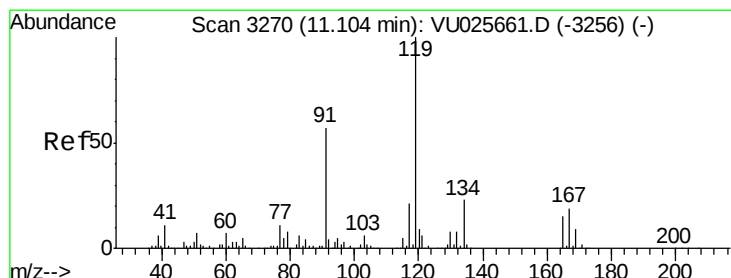
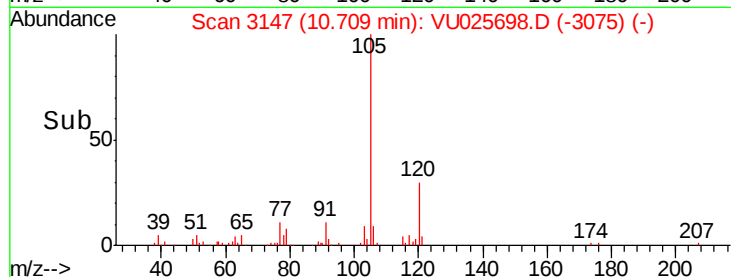
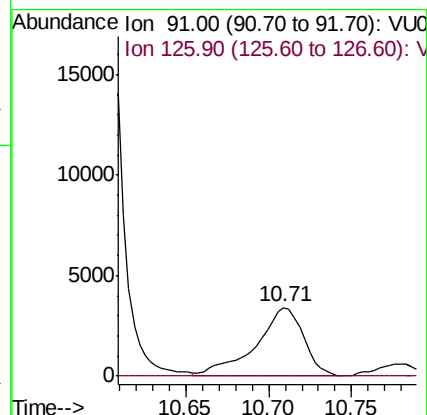
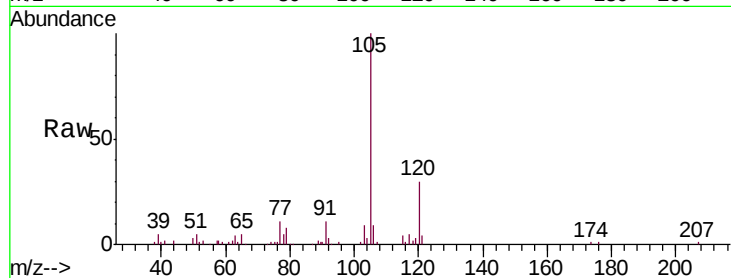
FL-0505

Tot Ion: 91 Resp: 6863

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.9#



#83

tert-Butylbenzene

Concen: 0.43 ug/l

RT: 11.10 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

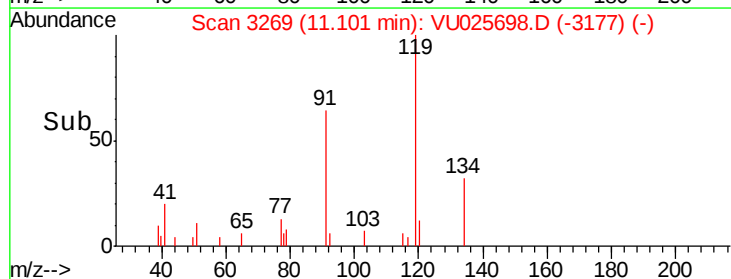
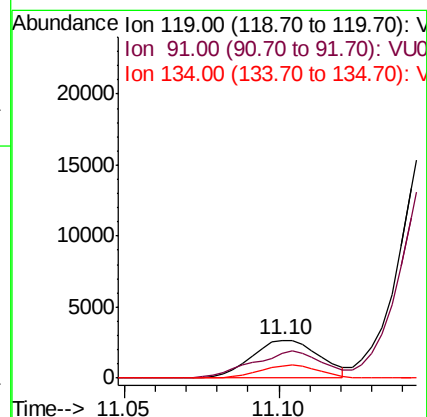
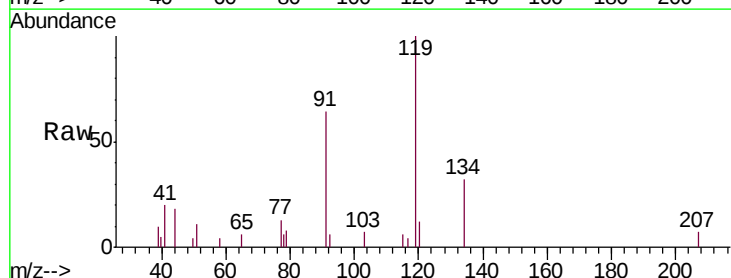
Tgt Ion: 119 Resp: 4080

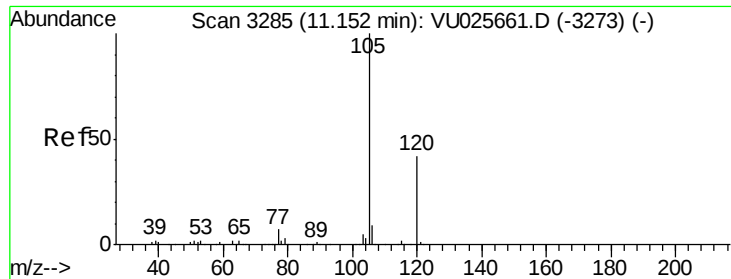
Ion Ratio Lower Upper

119 100

91 74.9 29.7 89.1

134 29.0 11.5 34.5





#84

1,2,4-Trimethylbenzene

Concen: 25.45 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

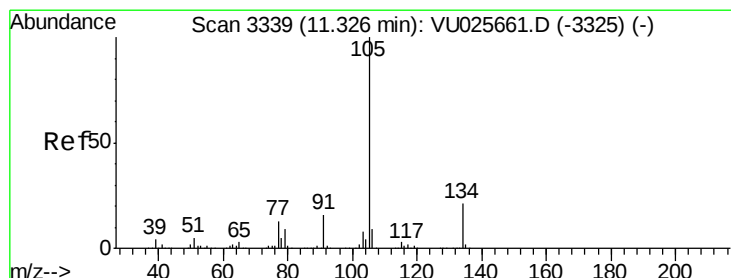
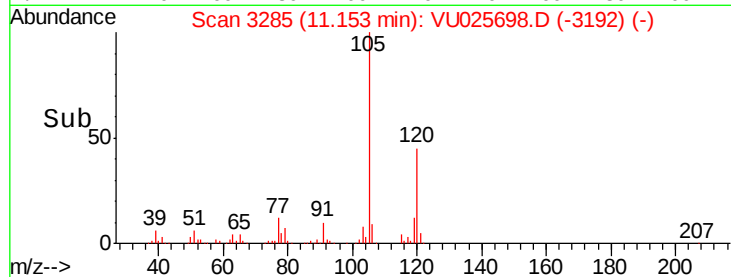
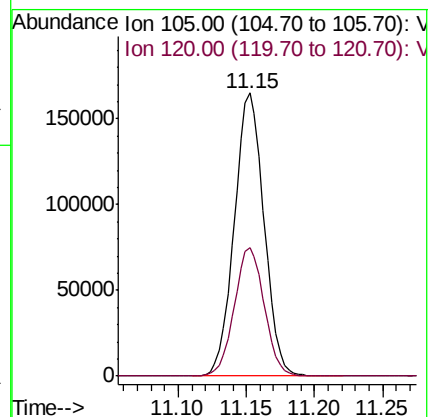
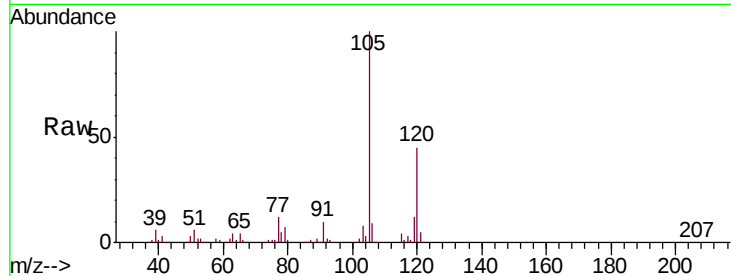
FL-0505

Tot Ion:105 Resp: 249206

Ion Ratio Lower Upper

105 100

120 45.7 22.3 66.8



#85

sec-Butylbenzene

Concen: 1.87 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025698.D

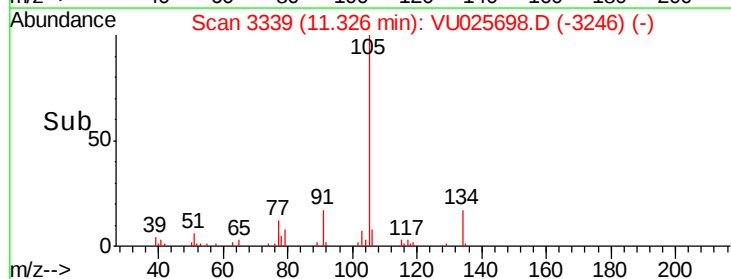
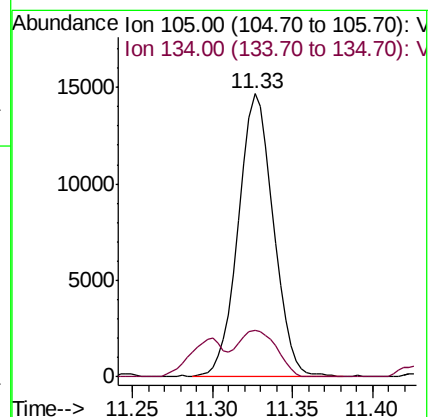
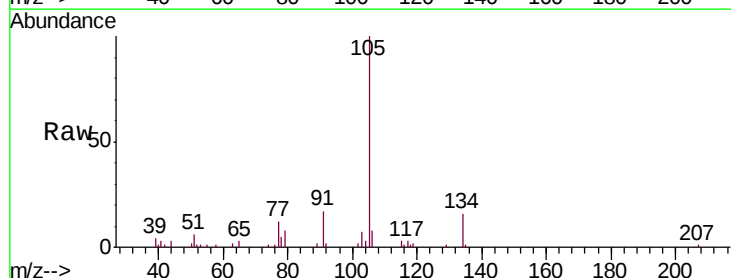
Acq: 28 Jul 2018 03:25

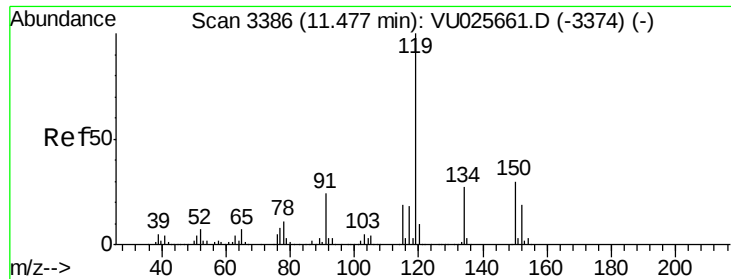
Tgt Ion:105 Resp: 21928

Ion Ratio Lower Upper

105 100

134 18.0 10.3 30.8

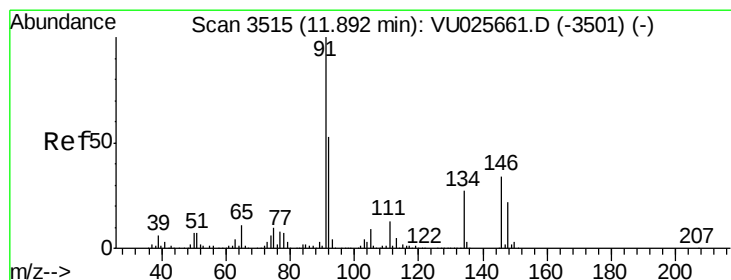
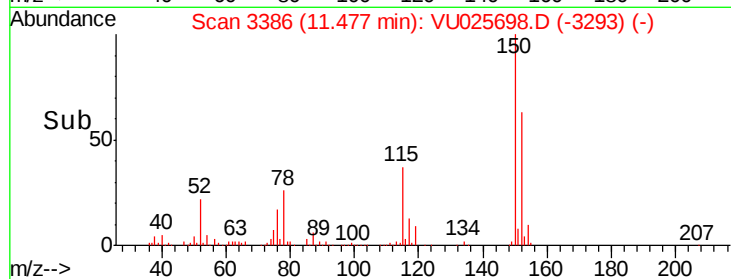
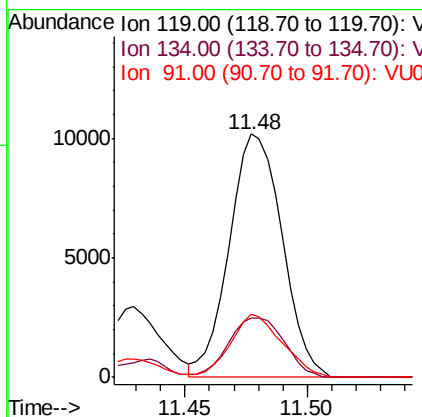
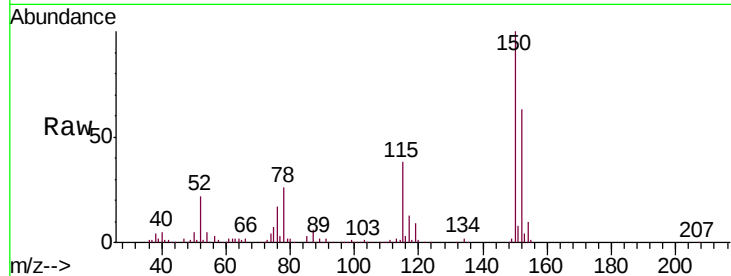




#86
p-Isopropyltoluene
Concen: 1.46 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

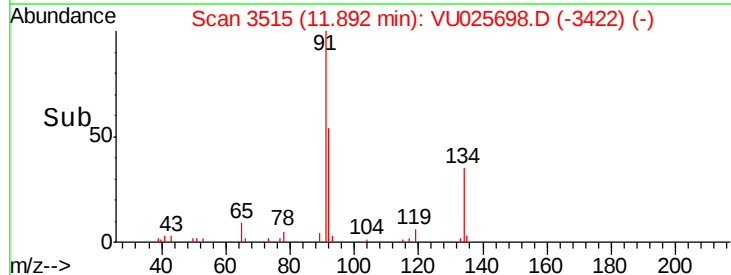
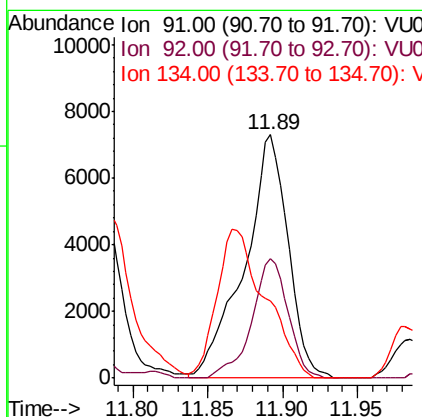
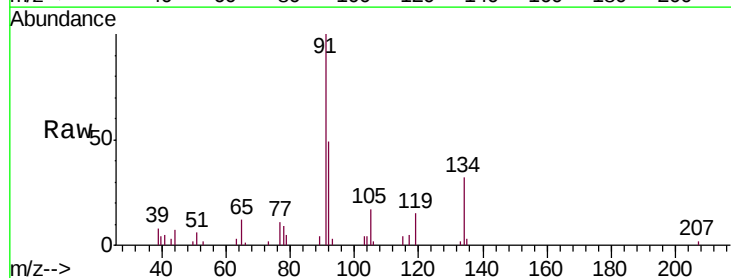
Instrument :
MSVOA_U
ClientSampled :
FL-0505

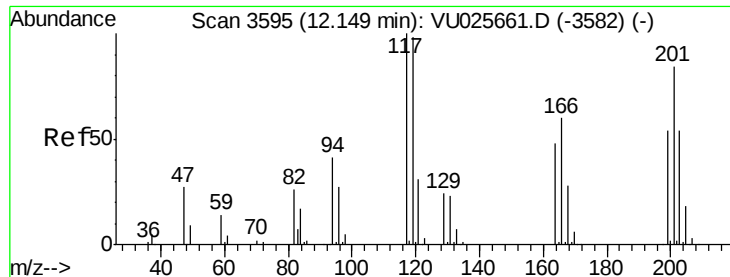
Tot Ion:119 Resp: 15361
Ion Ratio Lower Upper
119 100
134 25.9 13.2 39.5
91 25.4 12.0 36.1



#89
n-Butylbenzene
Concen: 1.53 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025698.D
Acq: 28 Jul 2018 03:25

Tgt Ion: 91 Resp: 14838
Ion Ratio Lower Upper
91 100
92 40.8 26.5 79.5
134 0.0 13.6 40.7#





#90

Hexachloroethane

Concen: 1.55 ug/l

RT: 12.15 min Scan# 3594

Delta R.T. -0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

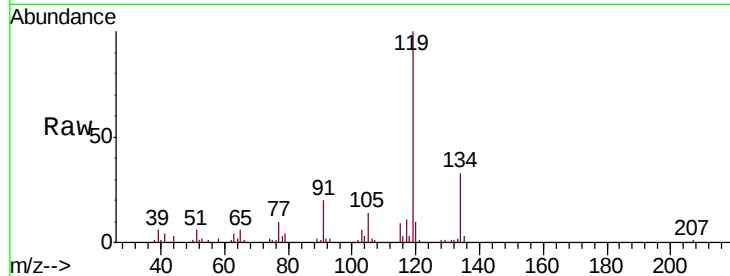
FL-0505

Tot Ion:117 Resp: 2897

Ion Ratio Lower Upper

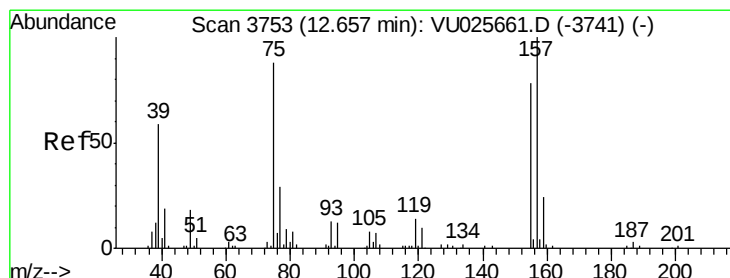
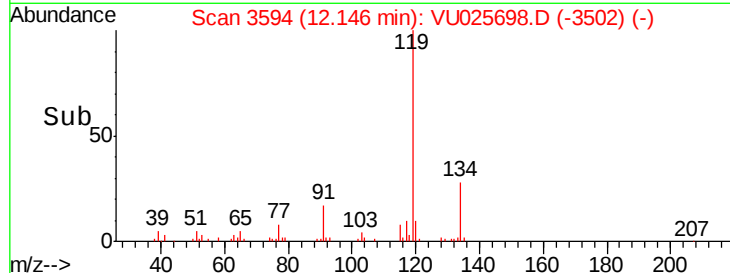
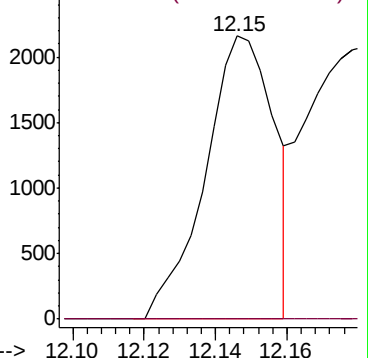
117 100

201 0.0 42.5 127.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.35 ug/l

RT: 12.65 min Scan# 3751

Delta R.T. -0.01 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

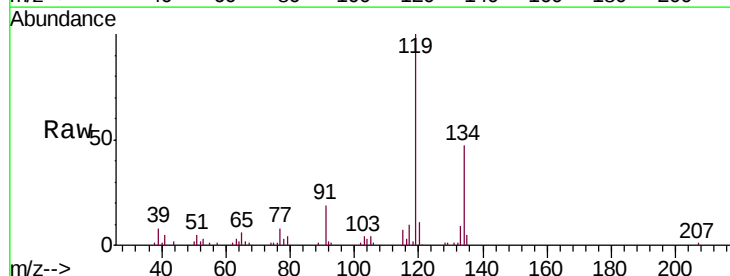
Tgt Ion: 75 Resp: 324

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.3#

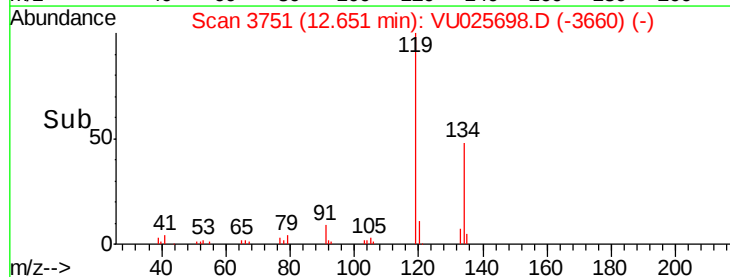
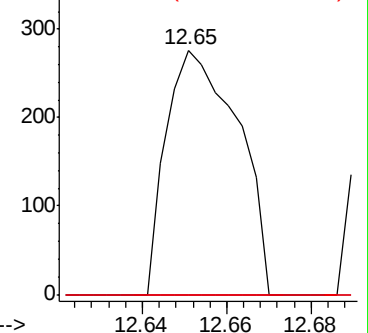
157 0.0 57.0 170.8#

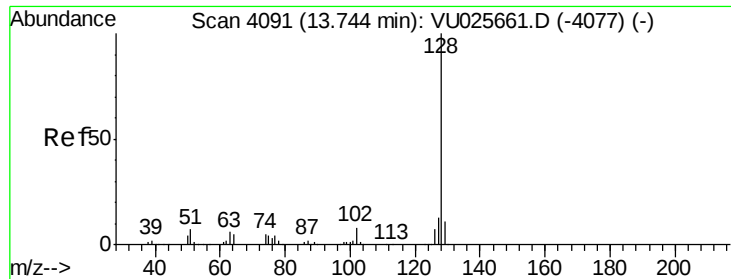


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 5.78 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025698.D

Acq: 28 Jul 2018 03:25

Instrument :

MSVOA_U

ClientSampleId :

FL-0505

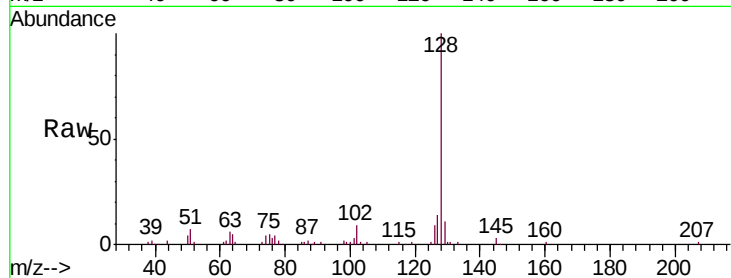
Tot Ion:128 Resp: 57523

Ion Ratio Lower Upper

128 100

127 14.1 10.5 15.7

129 12.1 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

