

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029167.D
 Acq On : 14 Jan 2019 16:14
 Operator : JC/SP
 Sample : K1137-02DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 14 22:49:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	140907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	244284	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	219089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	93650	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	88678	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
35) Dibromofluoromethane	4.88	113	79731	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	7.56	98	300282	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	10.30	95	97485	43.39	ug/l	0.00
Spiked Amount			Recovery	=	86.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	603	Below Cal		94
11) Tert butyl alcohol	2.83	59	470	1.062	ug/l #	73
13) Acrolein	2.18	56	2214	6.659	ug/l #	1
14) Allyl chloride	2.64	41	622	0.232	ug/l #	29
15) Acrylonitrile	2.80	53	437	0.402	ug/l #	24
16) Acetone	2.32	43	2688	2.450	ug/l	99
17) Carbon Disulfide	2.48	76	180	Below Cal	#	75
18) Methyl Acetate	2.63	43	765	0.300	ug/l #	51
25) 2-Butanone	4.31	43	882	0.595	ug/l #	47
31) Cyclohexane	4.99	56	5115	0.663	ug/l #	44
36) 1,1-Dichloropropene	4.98	75	9928	4.066	ug/l #	44
38) Carbon Tetrachloride	4.98	117	12125	5.954	ug/l #	17
40) Benzene	5.39	78	654183	85.891	ug/l	99
41) Methacrylonitrile	4.78	41	1288	0.898	ug/l #	1
42) 1,2-Dichloroethane	5.39	62	6781	2.963	ug/l #	73
51) 4-Methyl-2-Pentanone	7.56	43	972	0.347	ug/l #	1
52) Toluene	7.63	92	844825	182.205	ug/l	100
53) t-1,3-Dichloropropene	7.63	75	8658	3.045	ug/l #	1
55) 1,1,2-Trichloroethane	7.94	97	1465	0.789	ug/l #	14
58) 2-Chloroethyl Vinyl ether	7.10	63	1423	1.131	ug/l #	49
61) 1,2-Dibromoethane	8.59	107	7015	3.482	ug/l	98
67) Ethyl Benzene	9.25	91	70056	8.544	ug/l	99
68) m/p-Xylenes	9.37	106	111512	35.003	ug/l	98
69) o-Xylene	9.78	106	48506	15.802	ug/l	99
70) Styrene	9.78	104	2535	0.504	ug/l #	1
73) Isopropylbenzene	10.17	105	2486	0.359	ug/l	100
76) 1,2,3-Trichloropropane	10.30	75	45809	19.964	ug/l #	36
78) n-propylbenzene	10.59	91	8197	1.003	ug/l	99
79) 2-Chlorotoluene	10.68	91	5139	1.037	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.77	105	12206	2.109	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.30	75	45809	51.488	ug/l #	100
82) 4-Chlorotoluene	10.77	91	1455	0.256	ug/l #	44
83) tert-Butylbenzene	11.15	119	6155	1.079	ug/l #	70
84) 1,2,4-Trimethylbenzene	11.15	105	46440	8.036	ug/l	99

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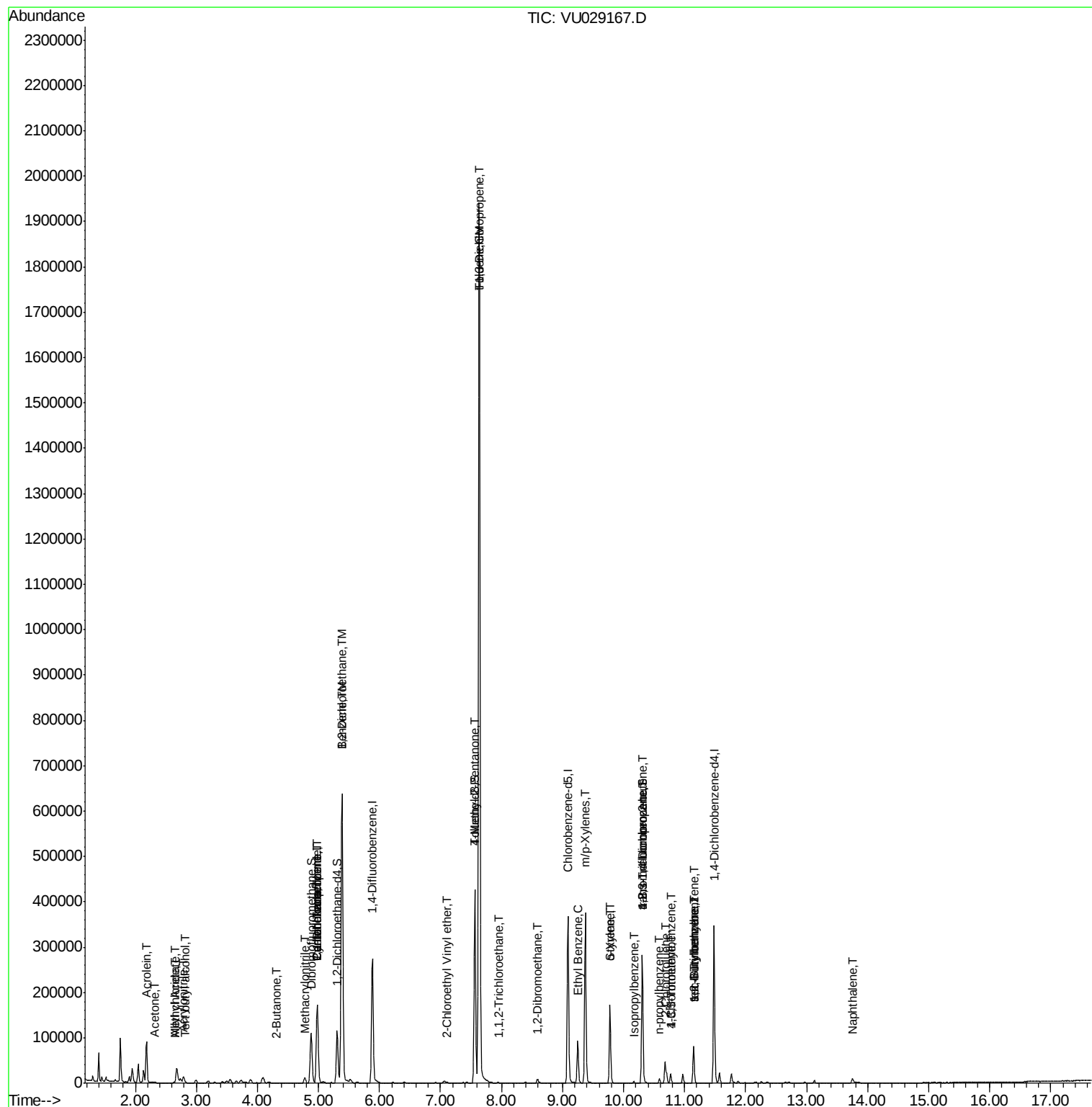
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.15	105	46440	6.730	ug/l #	57
95) Naphthalene	13.75	128	11046	1.524	ug/l	97

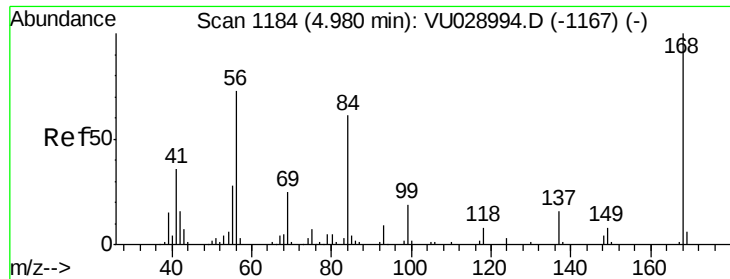
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

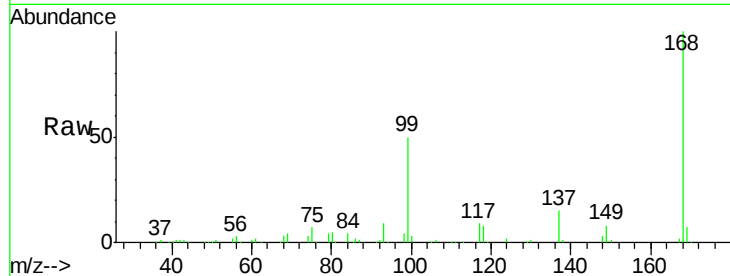
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 140907

Ion Ratio Lower Upper

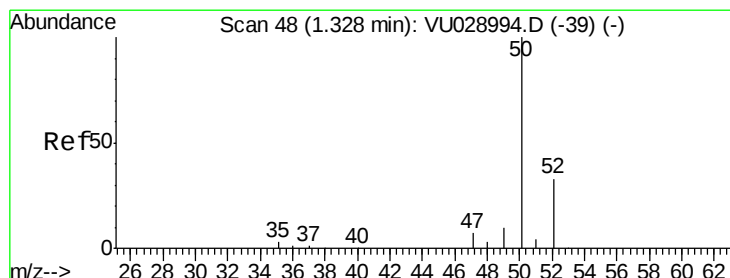
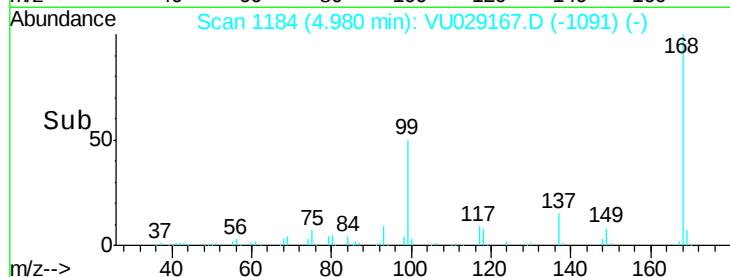
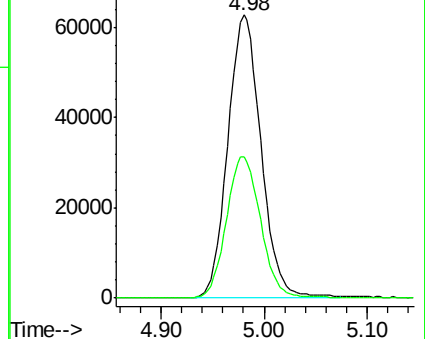
168 100

99 49.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029167.D

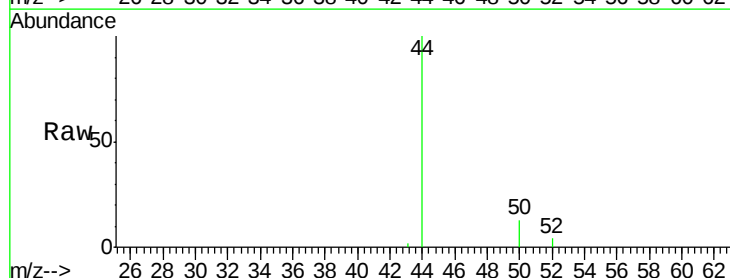
Acq: 14 Jan 2019 16:14

Tgt Ion: 50 Resp: 603

Ion Ratio Lower Upper

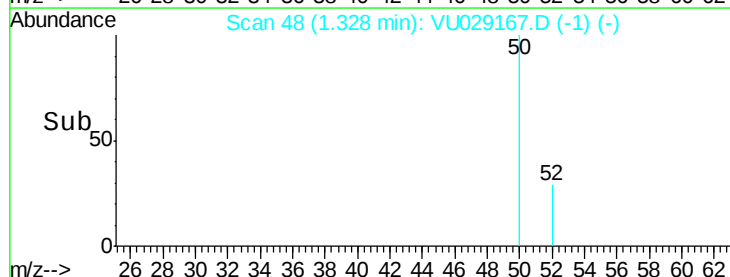
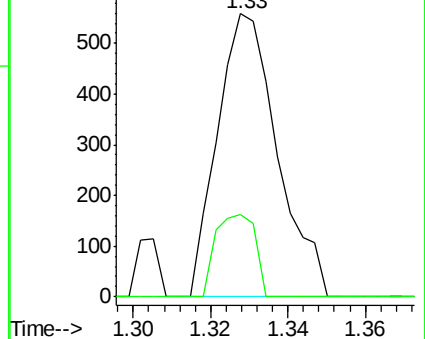
50 100

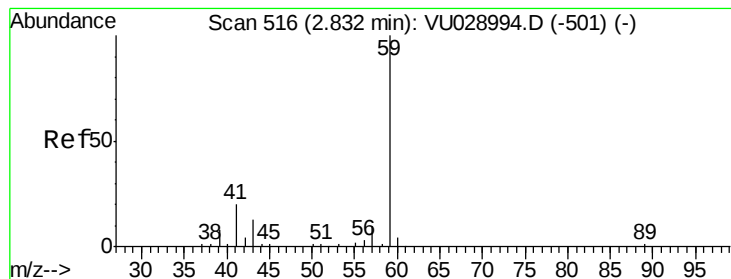
52 29.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)



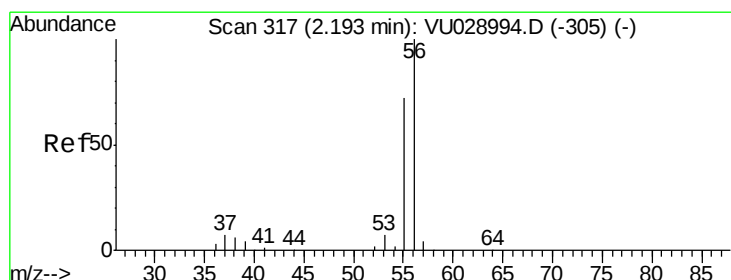
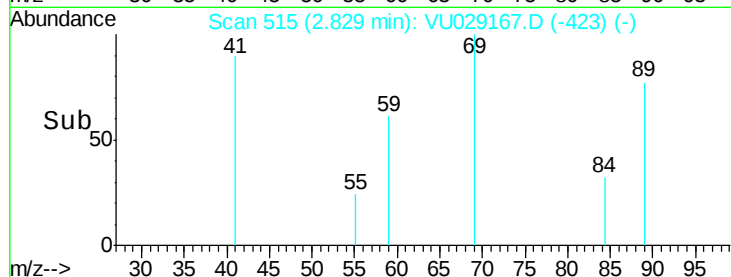
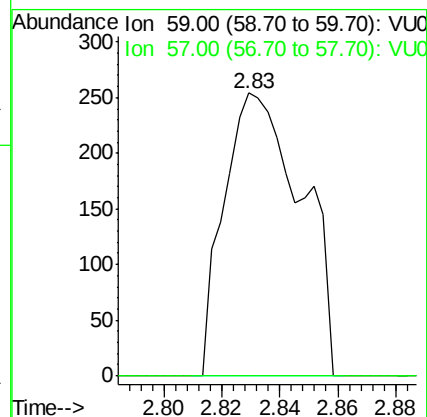
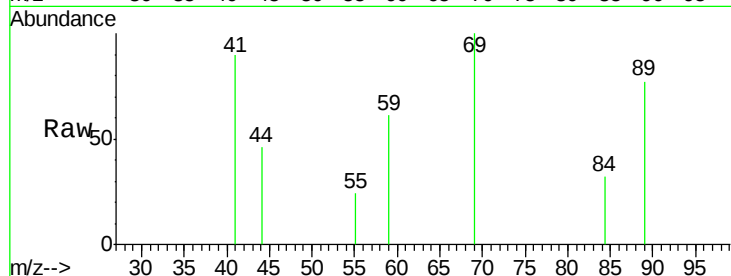


#11

Tert butyl alcohol
Concen: 1.062 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

Instrument :
MSVOA_U
ClientSampleId :

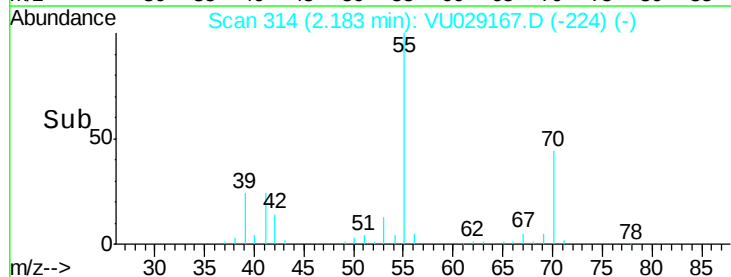
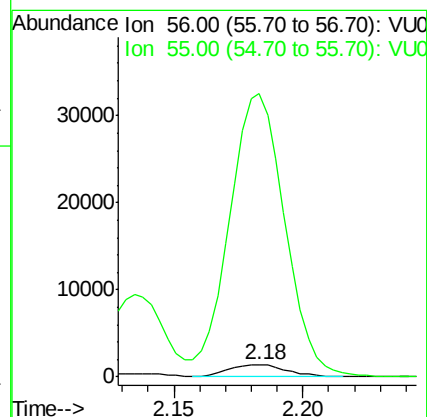
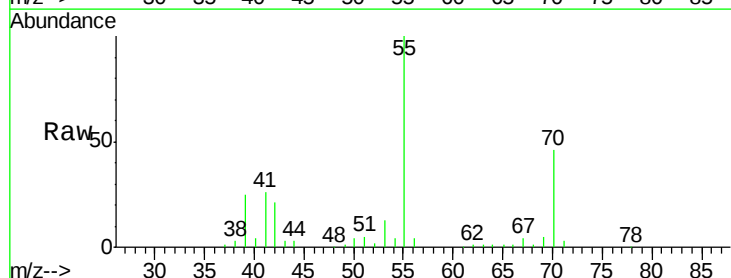
Tot Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

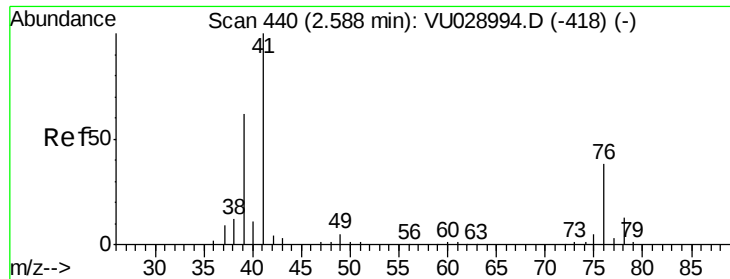


#13

Acrolein
Concen: 6.659 ug/l
RT: 2.18 min Scan# 314
Delta R.T. -0.01 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

Tgt Ion: 56 Resp: 2214
Ion Ratio Lower Upper
56 100
55 2214.9 56.5 84.7#





#14

Allvl chloride

Concen: 0.232 ug/l

RT: 2.64 min Scan# 456

Delta R.T. 0.05 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Instrument :

MSVOA_U

ClientSampled :

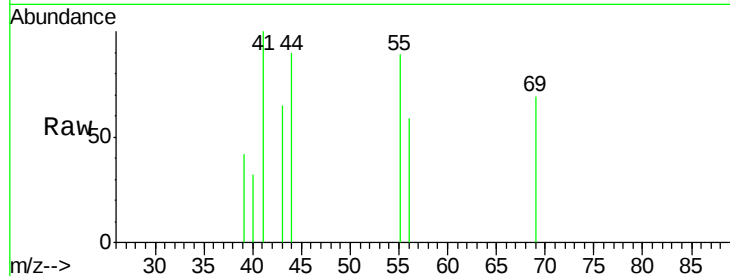
Tot Ion: 41 Resp: 622

Ion Ratio Lower Upper

41 100

39 0.0 45.0 67.6#

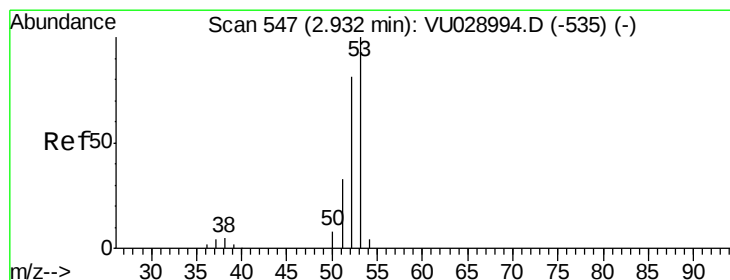
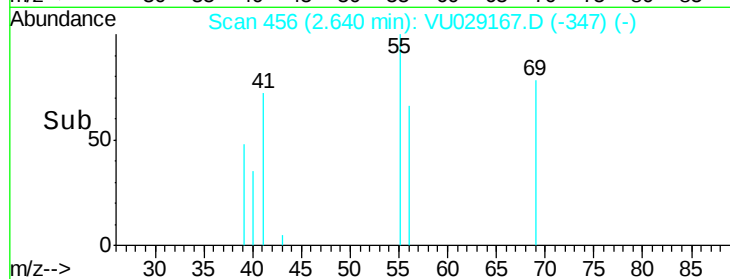
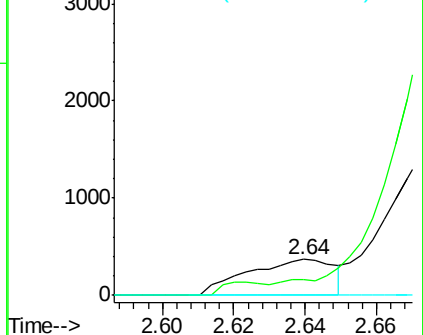
76 0.0 28.1 42.1#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#15

Acrylonitrile

Concen: 0.402 ug/l

RT: 2.80 min Scan# 505

Delta R.T. -0.13 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

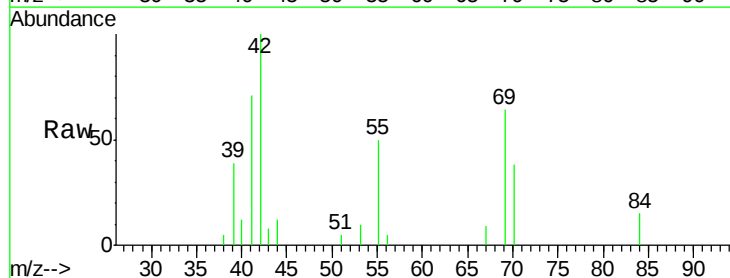
Tgt Ion: 53 Resp: 437

Ion Ratio Lower Upper

53 100

52 0.0 64.8 97.2#

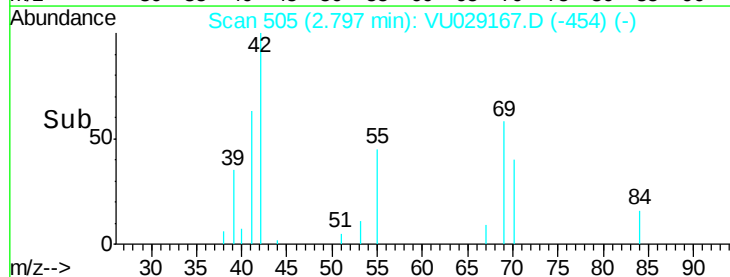
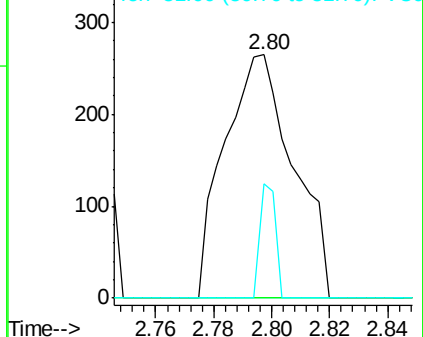
51 10.8 27.3 40.9#

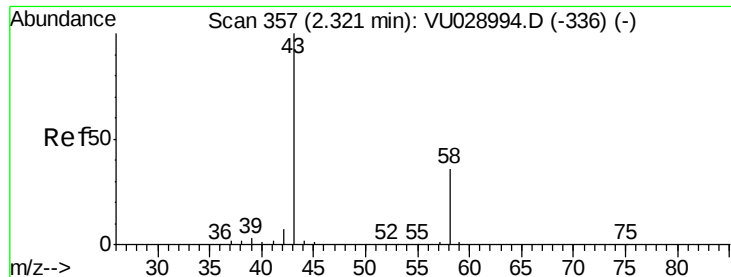


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#16

Acetone

Concen: 2.450 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

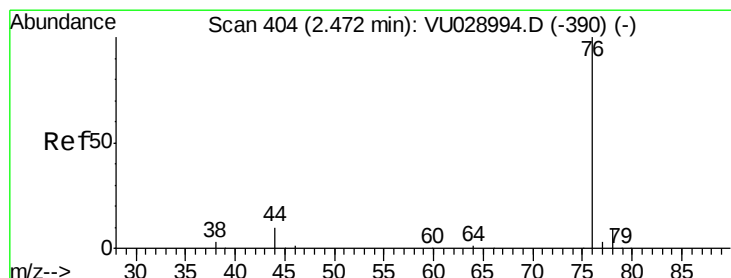
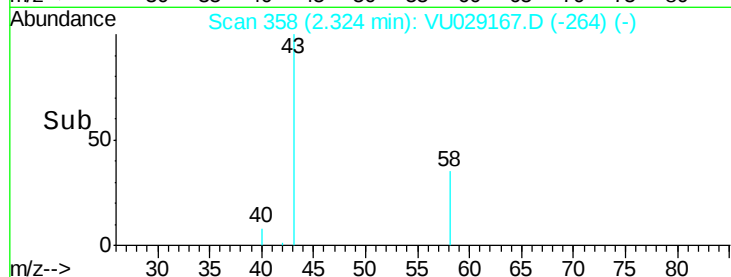
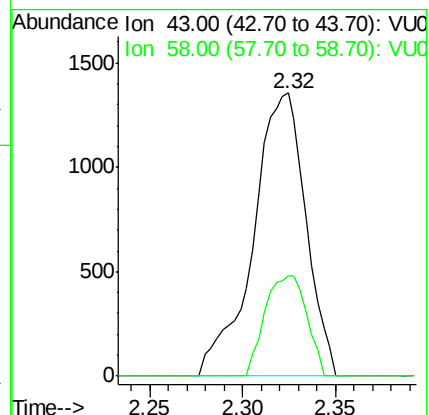
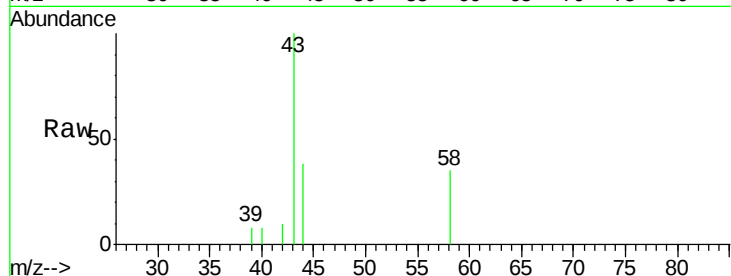
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 2688

Ion Ratio Lower Upper

43 100

58 35.4 28.6 42.8



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029167.D

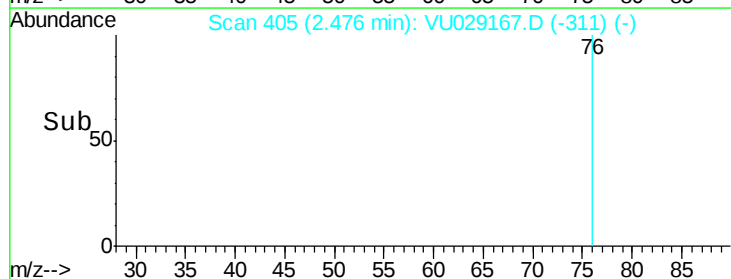
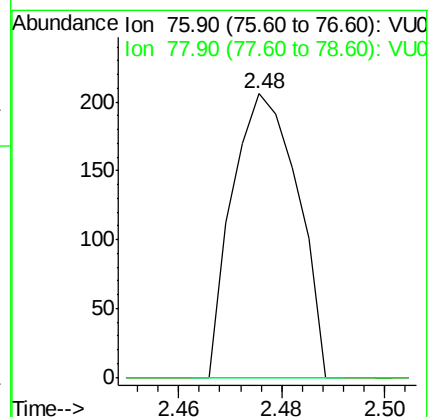
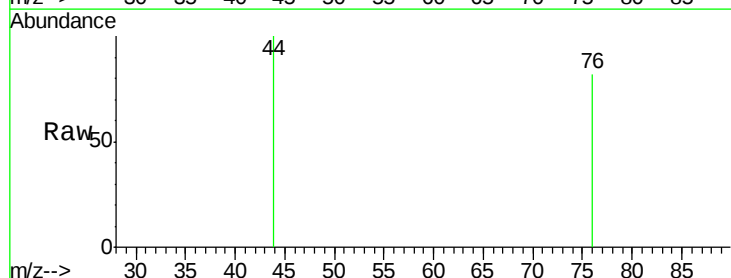
Acq: 14 Jan 2019 16:14

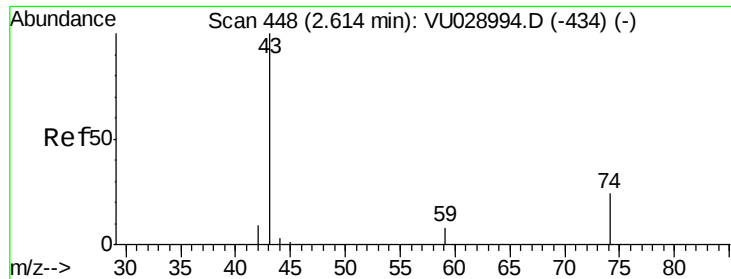
Tgt Ion: 76 Resp: 180

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

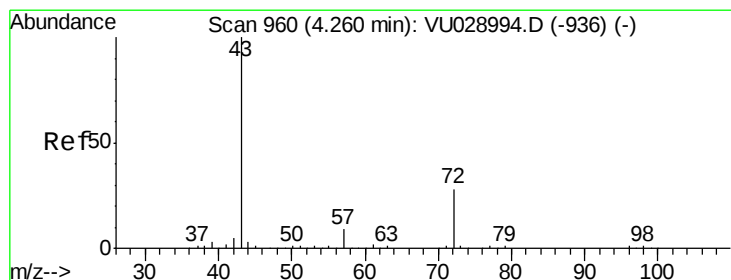
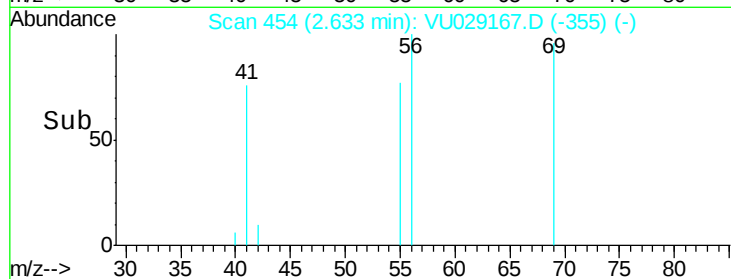
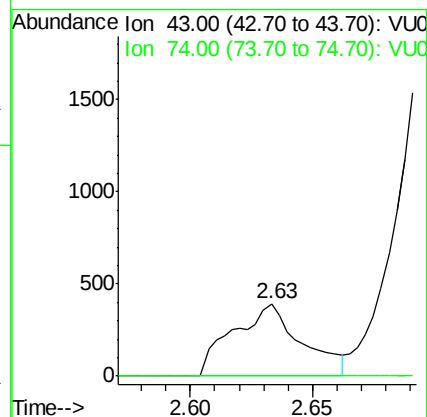
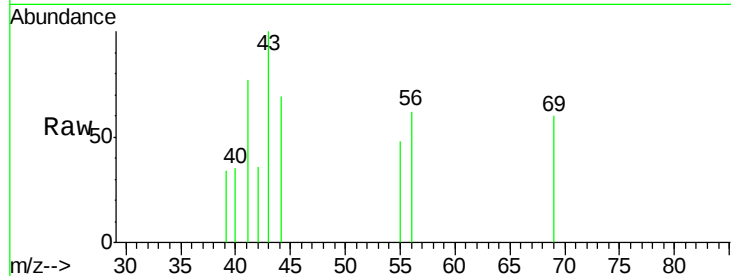




#18
Methvl Acetate
Concen: 0.300 ug/l
RT: 2.63 min Scan# 454
Delta R.T. 0.02 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

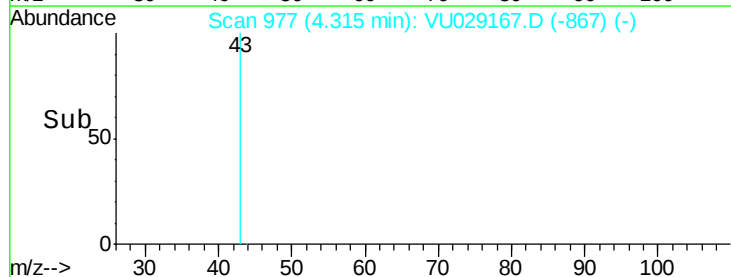
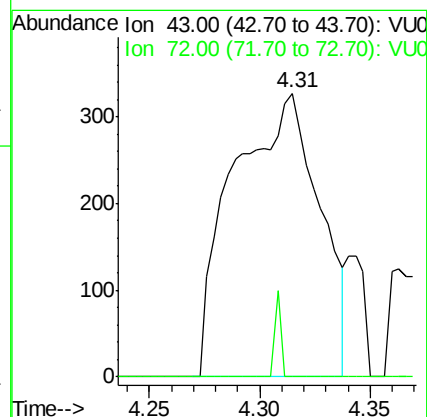
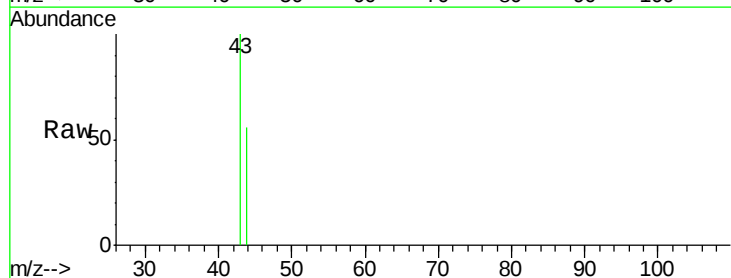
Instrument :
MSVOA_U
ClientSampleId :

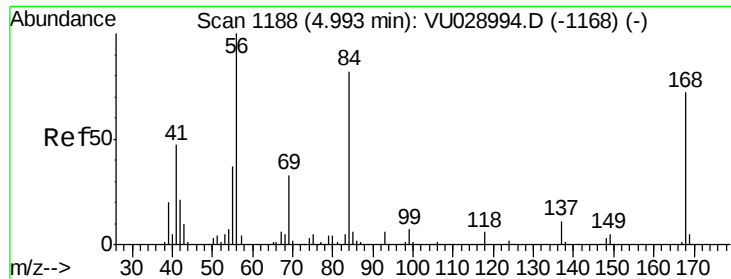
Tot Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#25
2-Butanone
Concen: 0.595 ug/l
RT: 4.31 min Scan# 977
Delta R.T. 0.05 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

Tgt Ion: 43 Resp: 882
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#

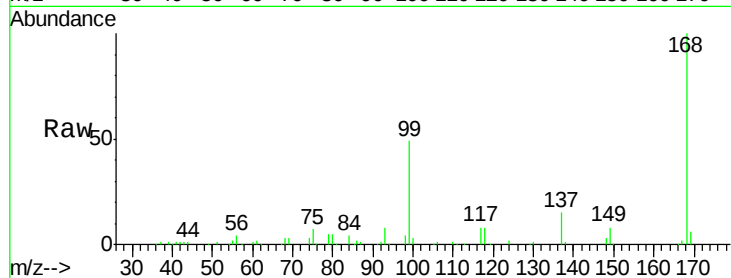




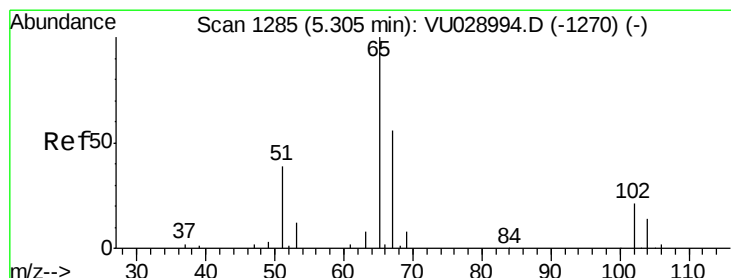
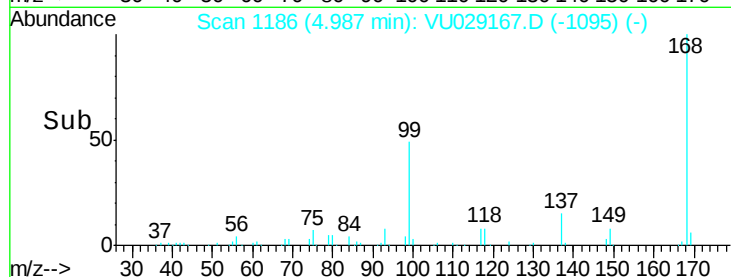
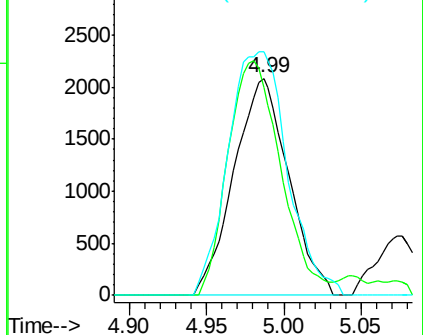
#31
Cyclohexane
Concen: 0.663 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 5115
Ion Ratio Lower Upper
56 100
69 95.9 26.7 40.1#
84 112.2 65.7 98.5#

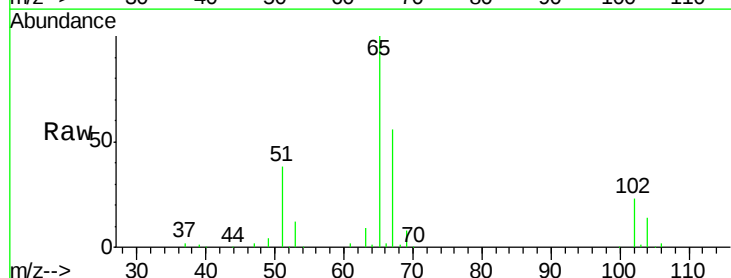


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

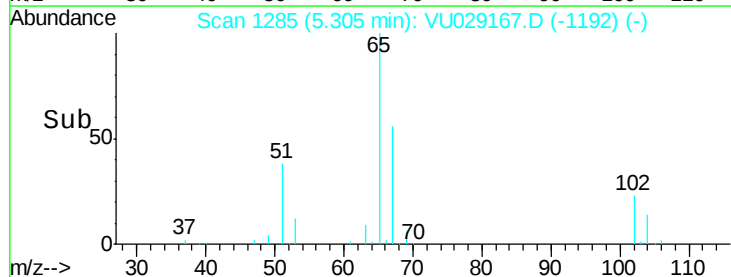
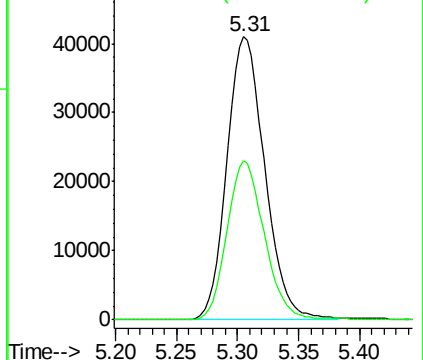


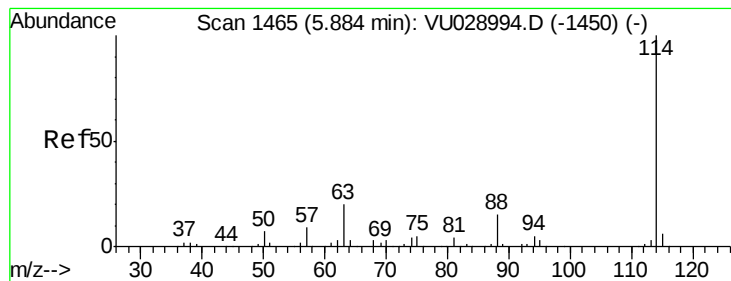
#33
1,2-Dichloroethane-d4
Concen: 50.909 ug/l
RT: 5.31 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

Tgt Ion: 65 Resp: 88678
Ion Ratio Lower Upper
65 100
67 55.6 0.0 111.0



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Instrument :

MSVOA_U

ClientSampleId :

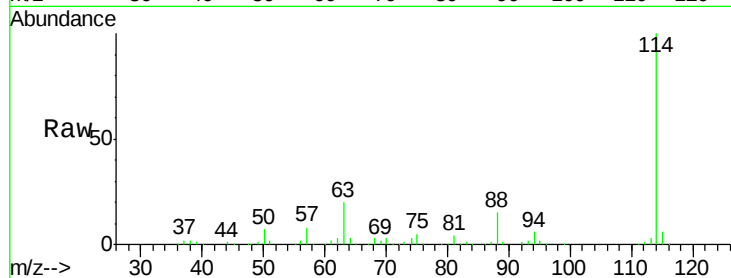
Tot Ion:114 Resp: 244284

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.2

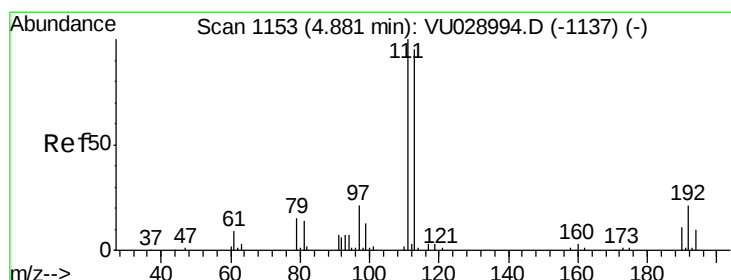
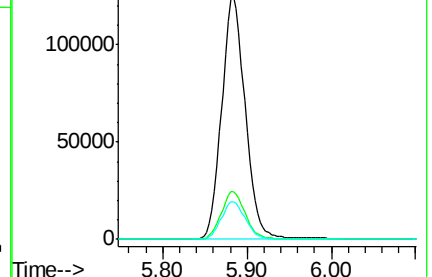
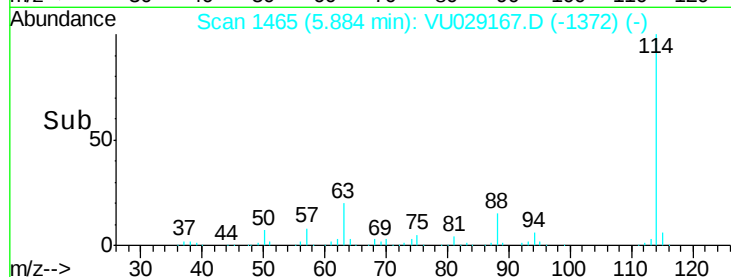
88 15.5 0.0 30.4



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: 50.350 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

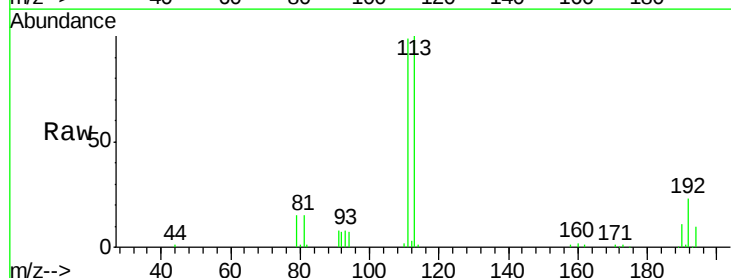
Tgt Ion:113 Resp: 79731

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.2

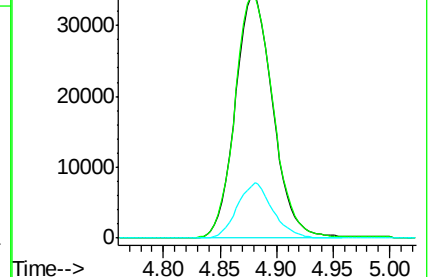
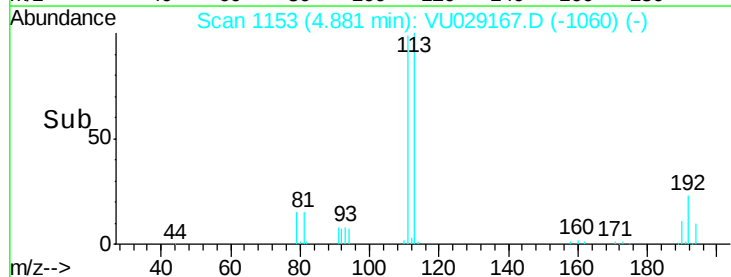
192 21.2 16.8 25.2

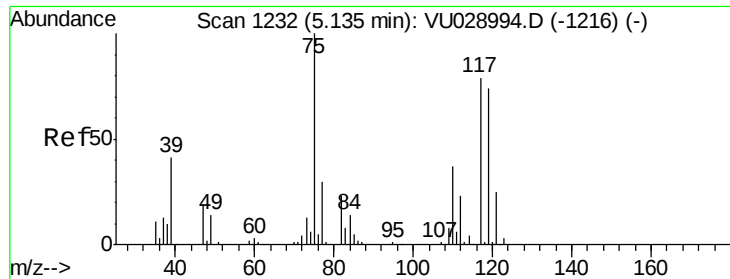


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

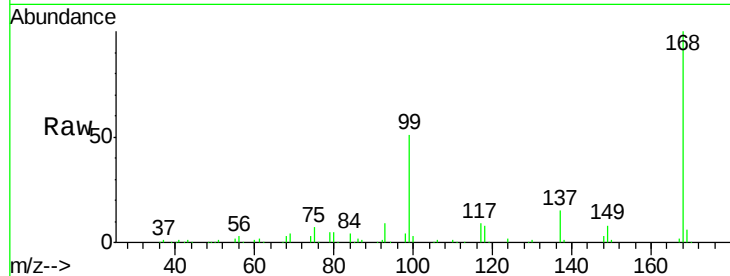




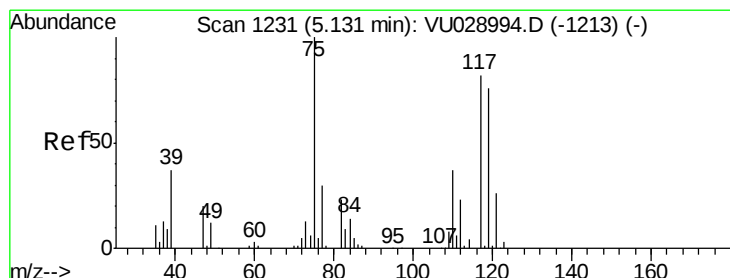
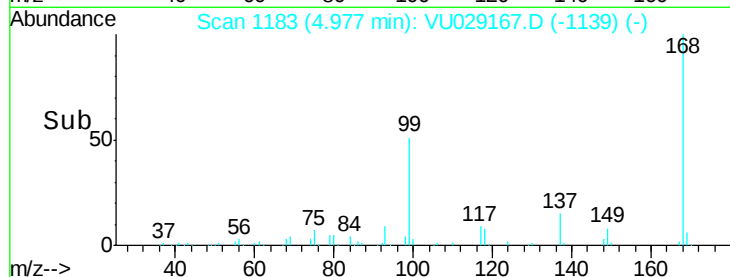
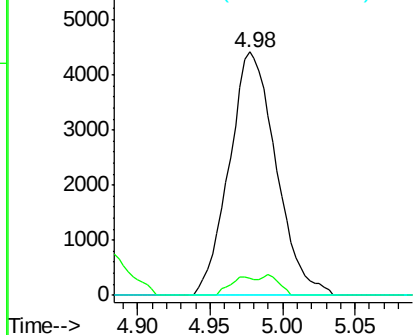
#36
 1,1-Dichloropropene
 Concen: 4.066 ug/l
 RT: 4.98 min Scan# 1183
 Delta R.T. -0.16 min
 Lab File: VU029167.D
 Acq: 14 Jan 2019 16:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 9928
 Ion Ratio Lower Upper
 75 100
 110 4.4 18.4 55.4#
 77 0.0 25.1 37.7#

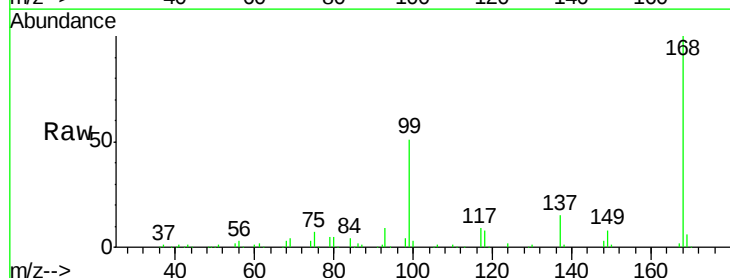


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

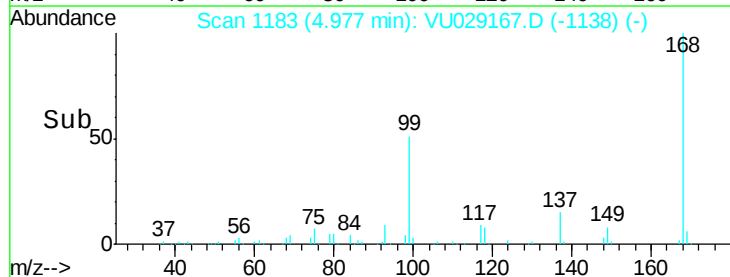
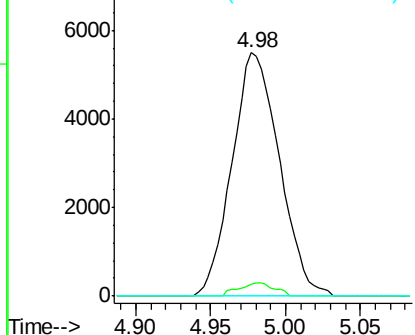


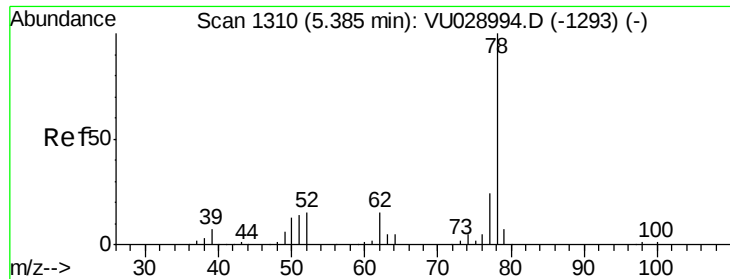
#38
 Carbon Tetrachloride
 Concen: 5.954 ug/l
 RT: 4.98 min Scan# 1183
 Delta R.T. -0.15 min
 Lab File: VU029167.D
 Acq: 14 Jan 2019 16:14

Tgt Ion: 117 Resp: 12125
 Ion Ratio Lower Upper
 117 100
 119 4.9 74.6 111.8#
 121 0.0 25.0 37.6#



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





#40

Benzene

Concen: 85.891 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

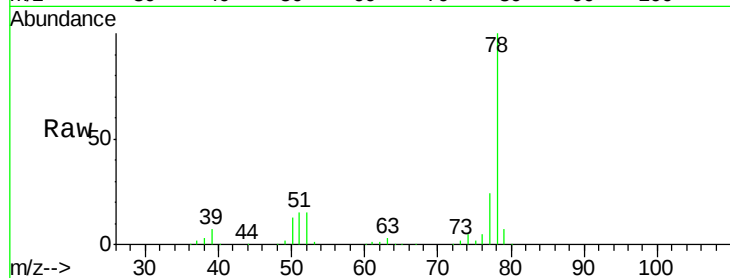
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 654183

Ion Ratio Lower Upper

78 100

77 24.0 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU028994.D (-1293) (-)

Ion 77.00 (76.70 to 77.70): VU028994.D (-1293) (-)

5.39

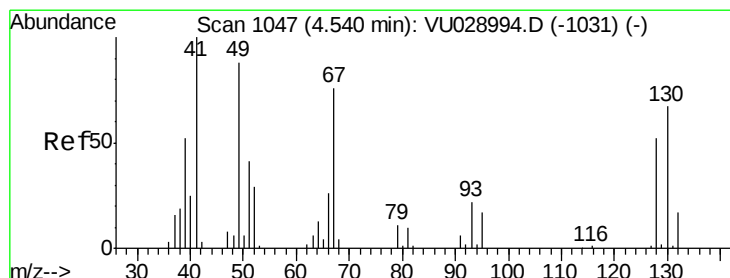
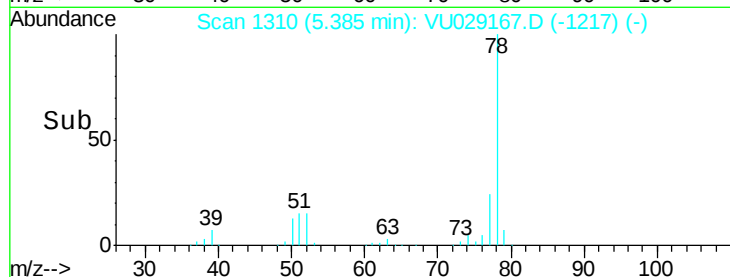
300000

200000

100000

0

Time-->



#41

Methacrylonitrile

Concen: 0.898 ug/l

RT: 4.78 min Scan# 1122

Delta R.T. 0.24 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Tgt Ion: 41 Resp: 1288

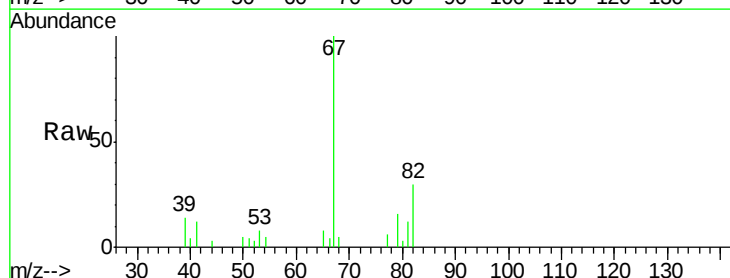
Ion Ratio Lower Upper

41 100

39 0.0 42.3 63.5#

67 863.5 64.4 96.6#

52 12.1 23.9 35.9#



Abundance Ion 41.00 (40.70 to 41.70): VU028994.D (-1031) (-)

Ion 39.00 (38.70 to 39.70): VU028994.D (-1031) (-)

Ion 67.00 (66.70 to 67.70): VU028994.D (-1031) (-)

Ion 52.00 (51.70 to 52.70): VU028994.D (-1031) (-)

4.78

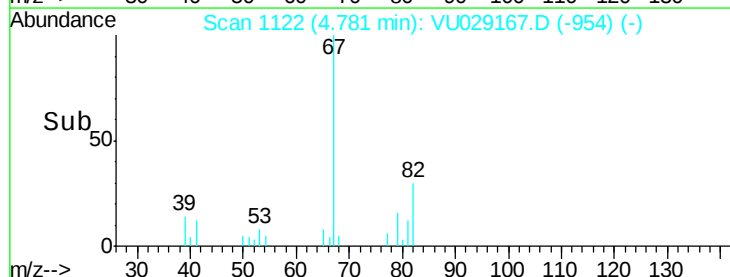
6000

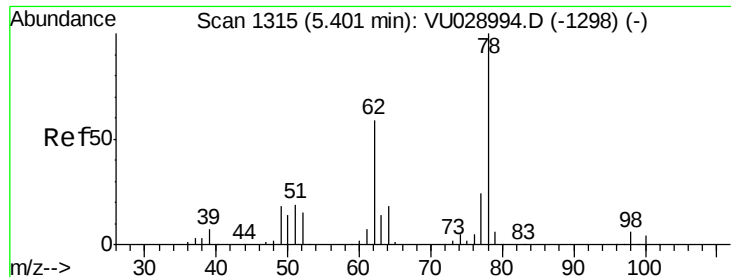
4000

2000

0

Time-->





#42

1,2-Dichloroethane

Concen: 2.963 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. -0.01 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Instrument :

MSVOA_U

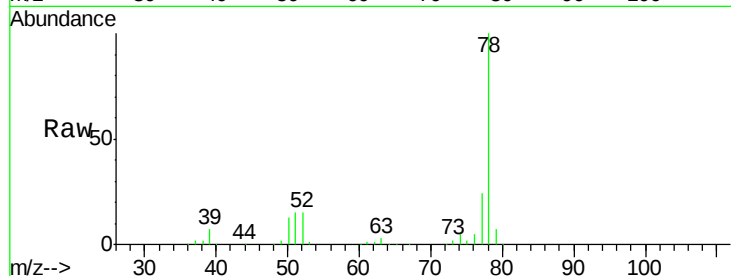
ClientSampleId :

Tot Ion: 62 Resp: 6781

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

3000

2500

2000

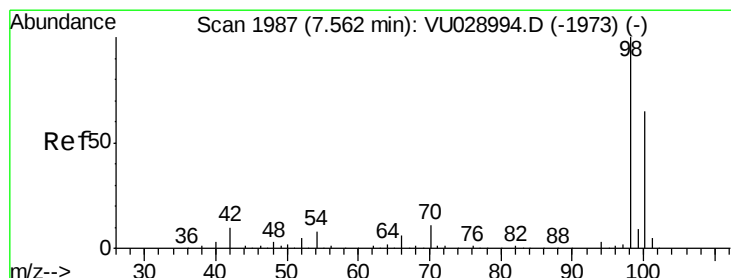
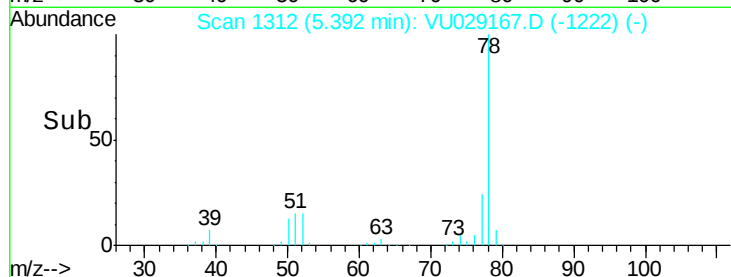
1500

1000

500

0

Time--> 5.30 5.35 5.40 5.45



#50

Toluene-d8

Concen: 48.033 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029167.D

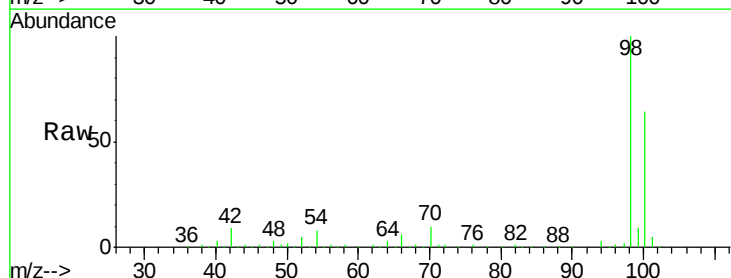
Acq: 14 Jan 2019 16:14

Tgt Ion: 98 Resp: 300282

Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

200000

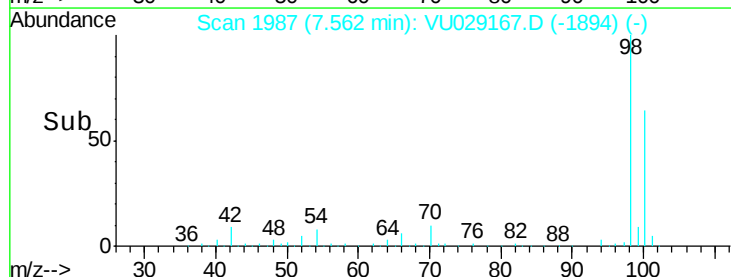
150000

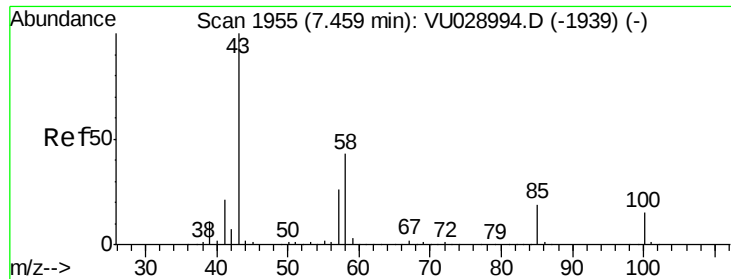
100000

50000

0

Time--> 7.50 7.55 7.60 7.65





#51

4-Methyl-2-Pentanone

Concen: 0.347 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Instrument :

MSVOA_U

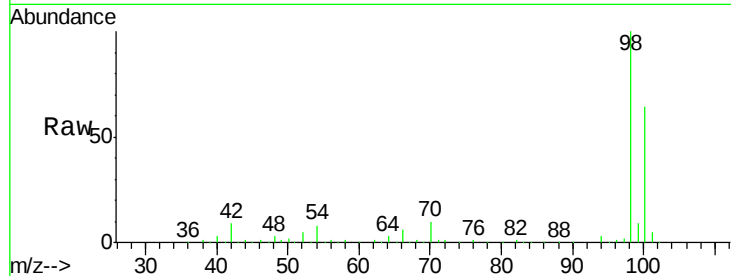
ClientSampleId :

Tot Ion: 43 Resp: 972

Ion Ratio Lower Upper

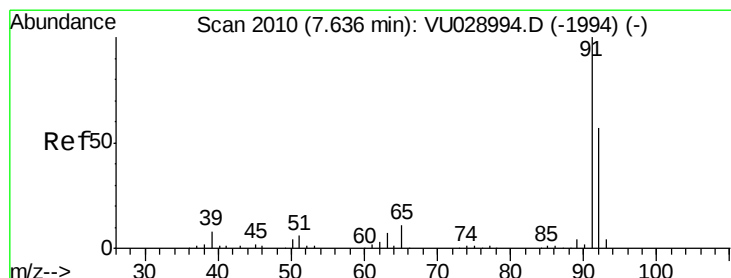
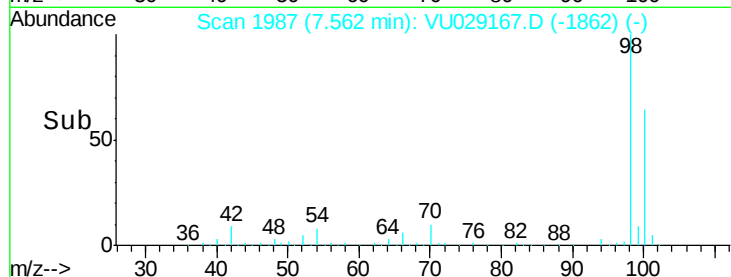
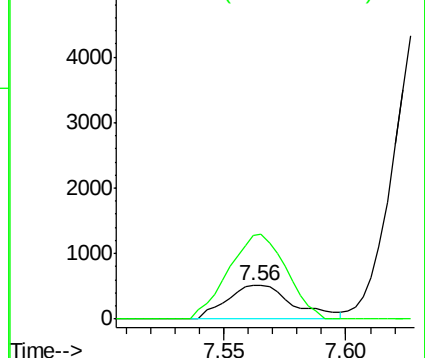
43 100

58 219.4 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 182.205 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029167.D

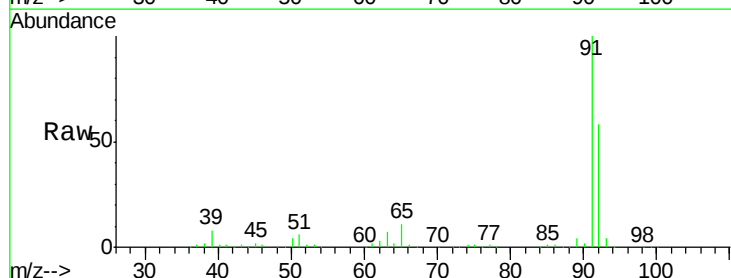
Acq: 14 Jan 2019 16:14

Tgt Ion: 92 Resp: 844825

Ion Ratio Lower Upper

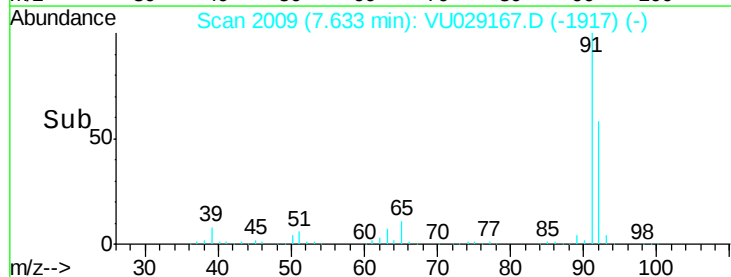
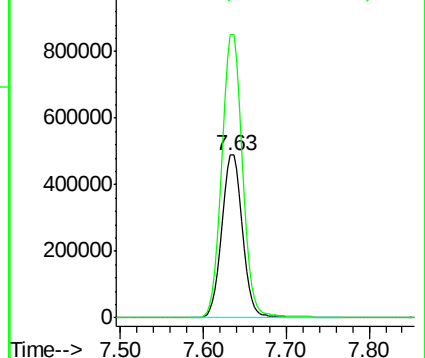
92 100

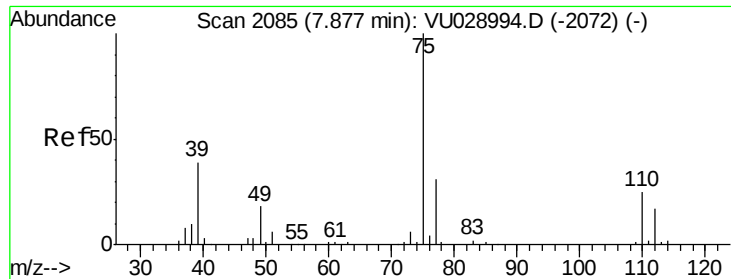
91 174.7 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 3.045 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.24 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

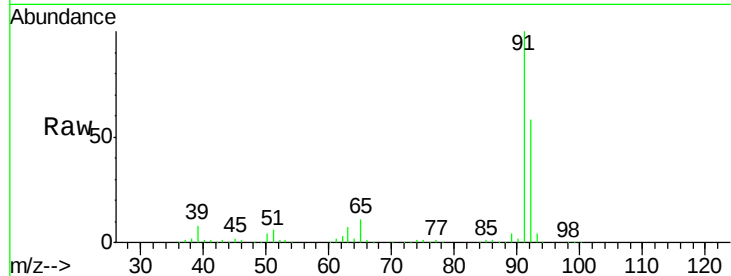
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 8658

Ion Ratio Lower Upper

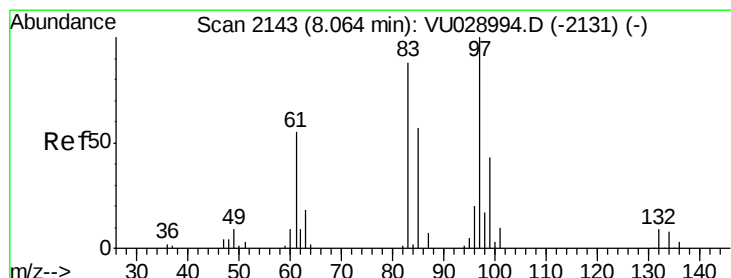
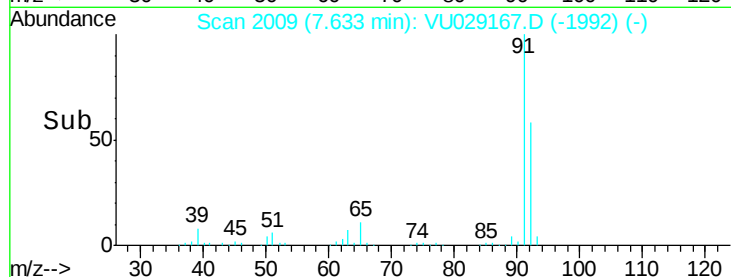
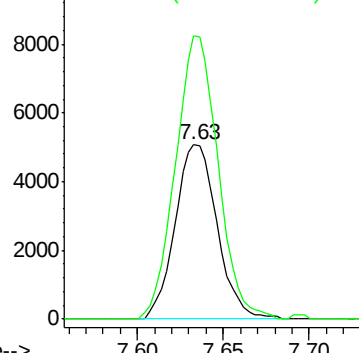
75 100

77 162.7 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#55

1,1,2-Trichloroethane

Concen: 0.789 ug/l

RT: 7.94 min Scan# 2105

Delta R.T. -0.12 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Tgt Ion: 97 Resp: 1465

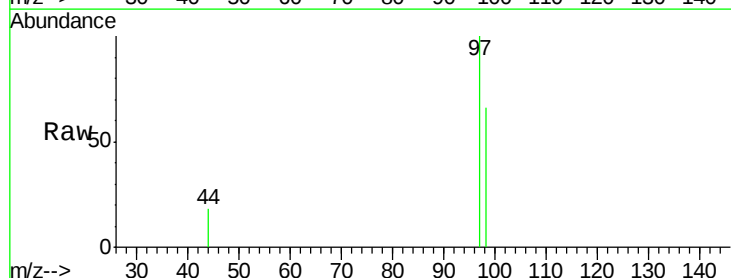
Ion Ratio Lower Upper

97 100

83 0.0 69.8 104.8#

85 0.0 47.3 70.9#

99 0.0 49.7 74.5#

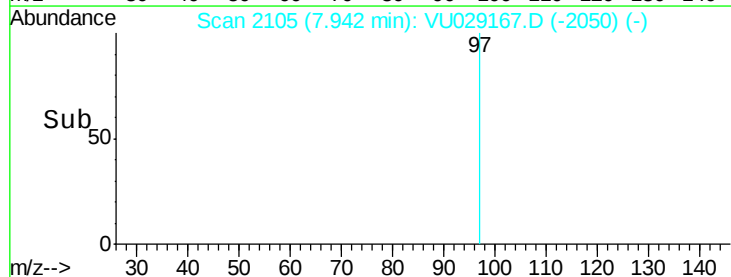
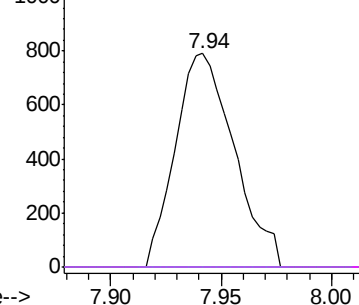


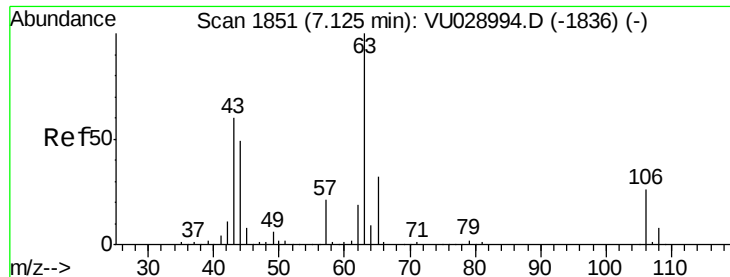
Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

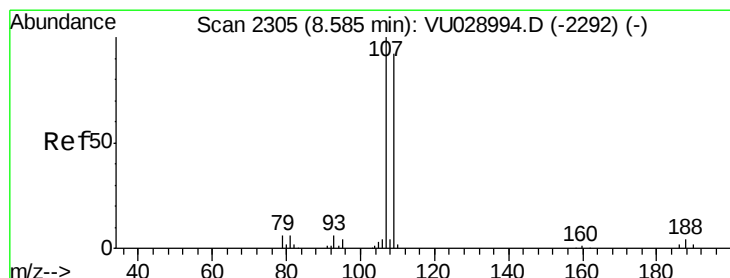
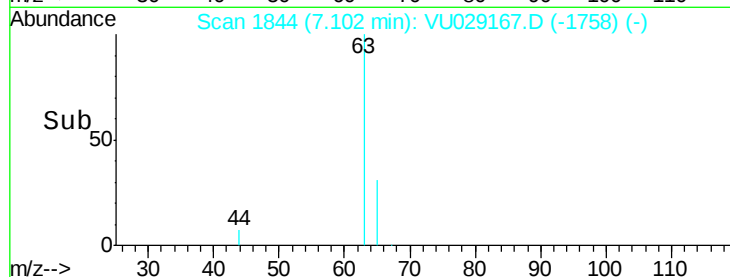
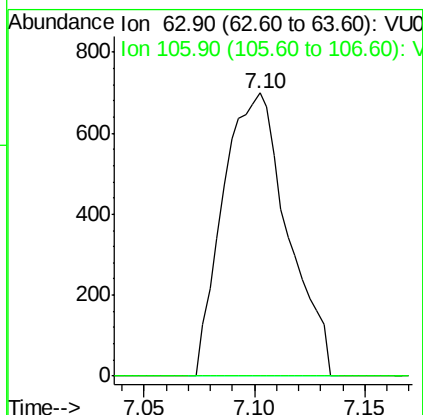
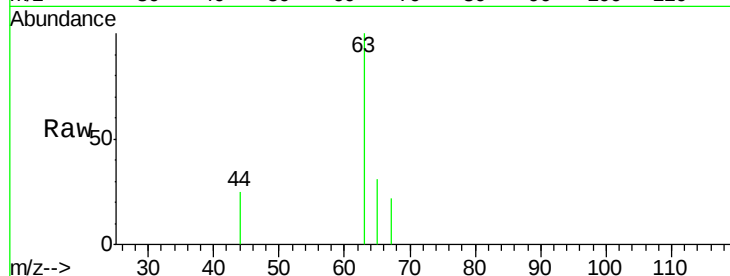




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.131 ug/l
 RT: 7.10 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: VU029167.D
 Acq: 14 Jan 2019 16:14

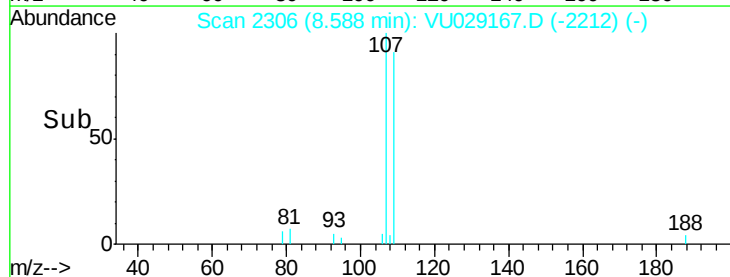
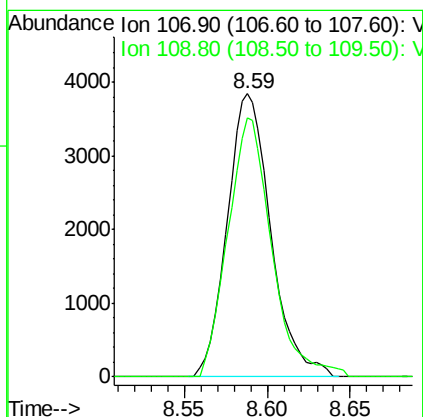
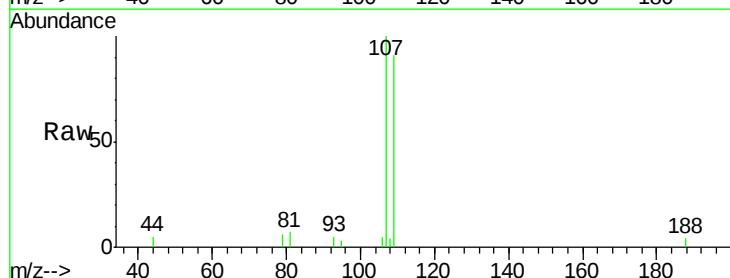
Instrument :
 MSVOA_U
 ClientSampleId :

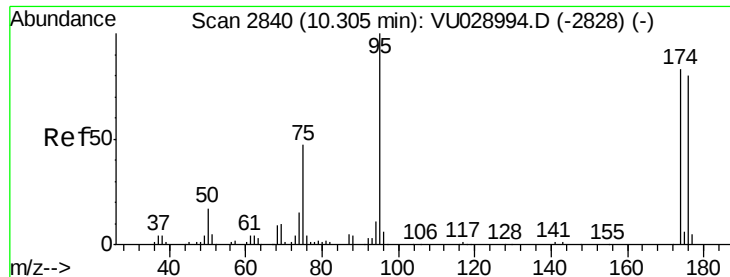
Tot Ion: 63 Resp: 1423
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.6 31.0#



#61
 1,2-Dibromoethane
 Concen: 3.482 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU029167.D
 Acq: 14 Jan 2019 16:14

Tgt Ion: 107 Resp: 7015
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.5 113.3

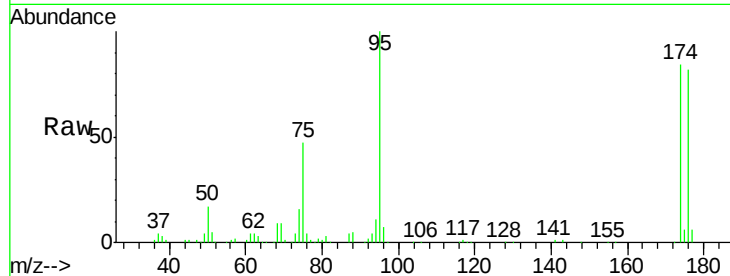




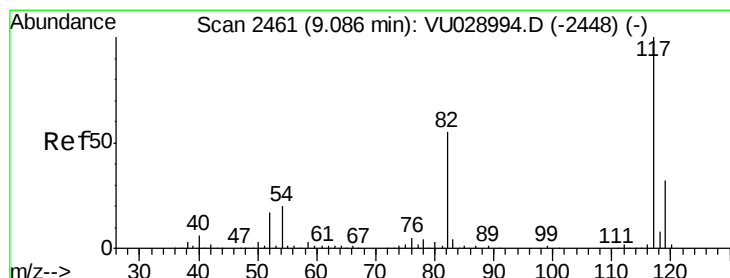
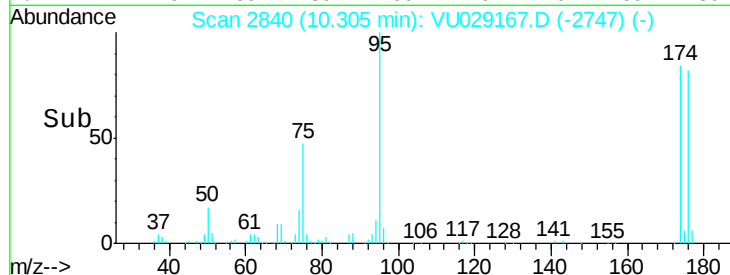
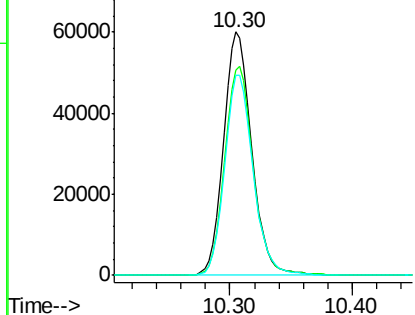
#62
4-Bromofluorobenzene
Concen: 43.391 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 97485
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.6
176 83.1 0.0 165.0

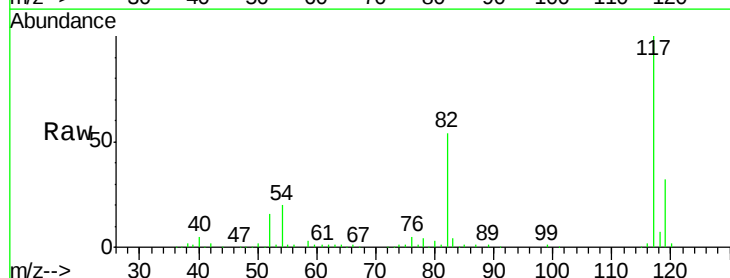


Abundance Ion 94.90 (94.60 to 95.60): VU028994.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU028994.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU028994.D (-2828) (-)

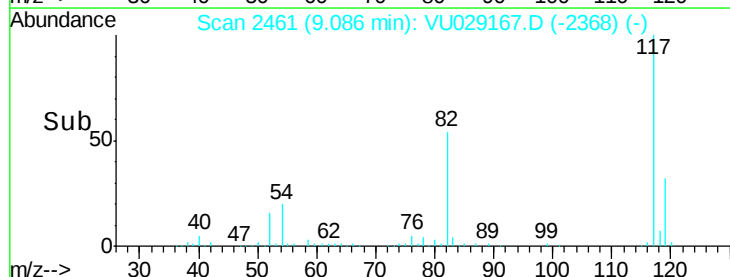
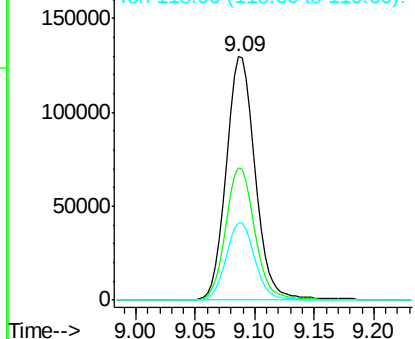


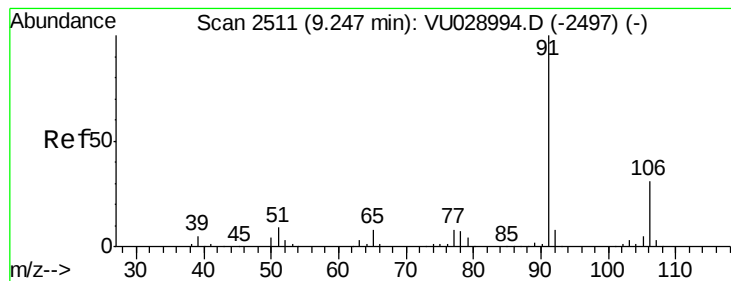
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

Tgt Ion: 117 Resp: 219089
Ion Ratio Lower Upper
117 100
82 54.4 43.9 65.9
119 31.9 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VU028994.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU028994.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU028994.D (-2448) (-)





#67

Ethyl Benzene

Concen: 8.544 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

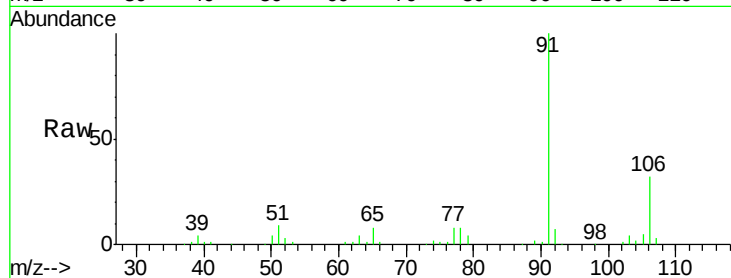
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 70056

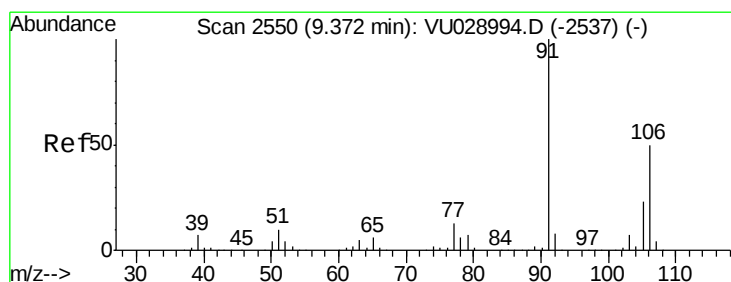
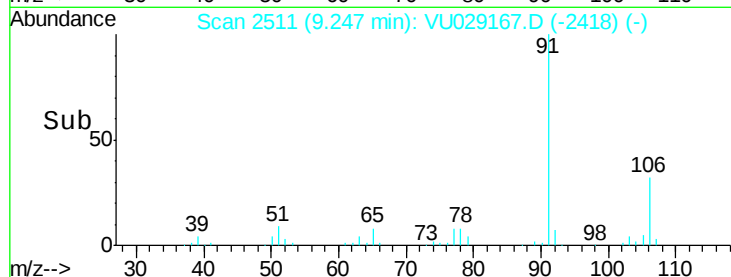
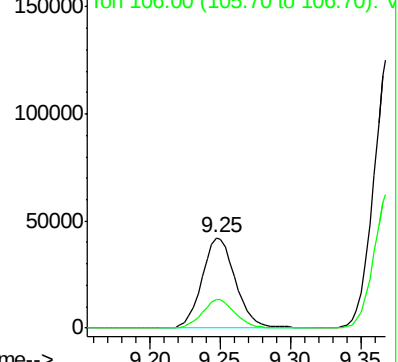
Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VU029167.D (-2418) (-)



#68

m/p-Xylenes

Concen: 35.003 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029167.D

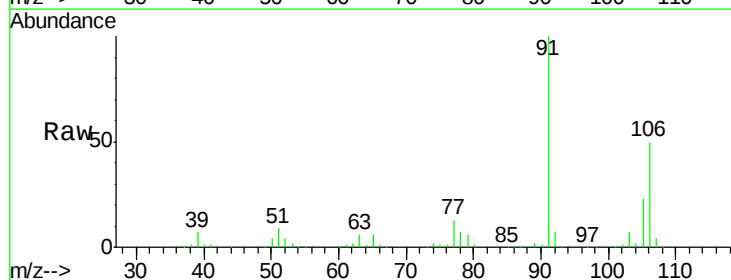
Acq: 14 Jan 2019 16:14

Tgt Ion: 106 Resp: 111512

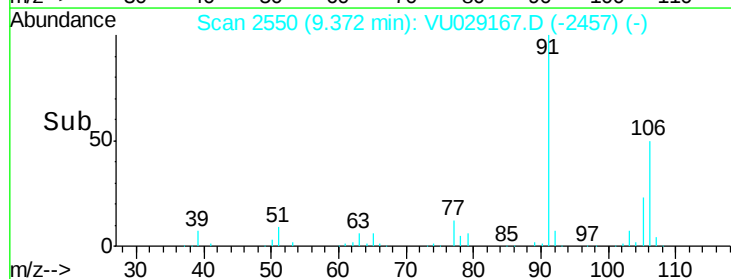
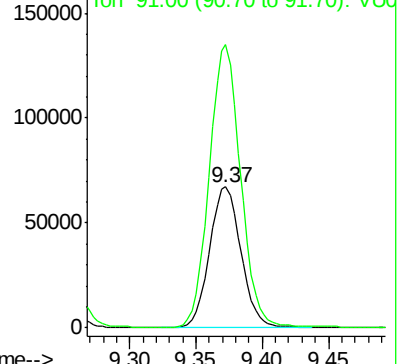
Ion Ratio Lower Upper

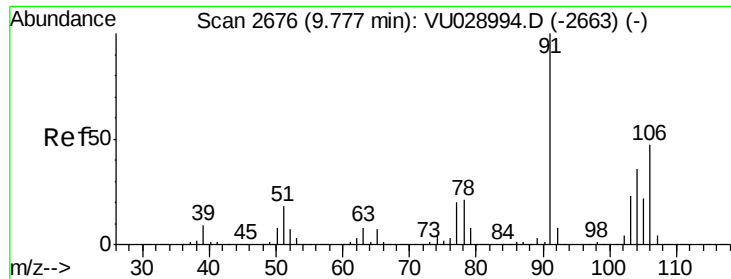
106 100

91 199.1 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VU029167.D (-2457) (-)

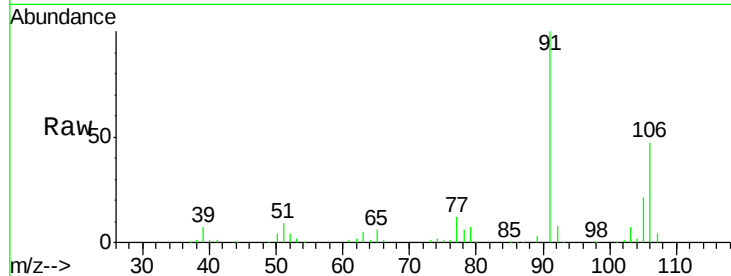




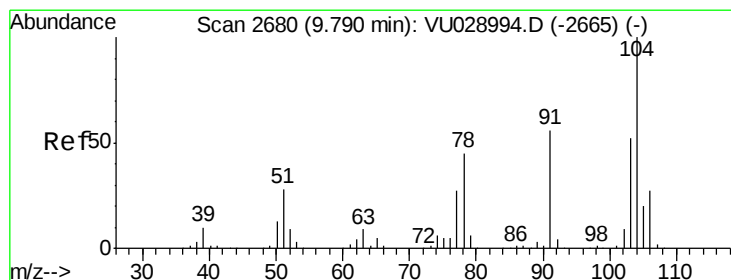
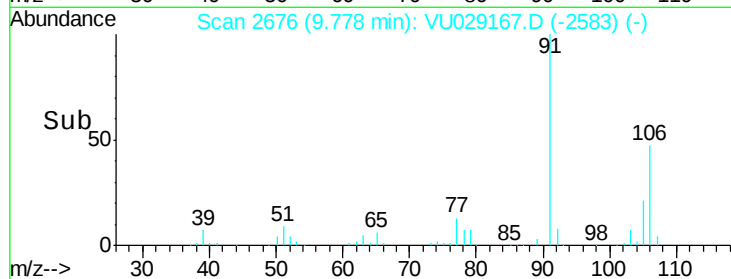
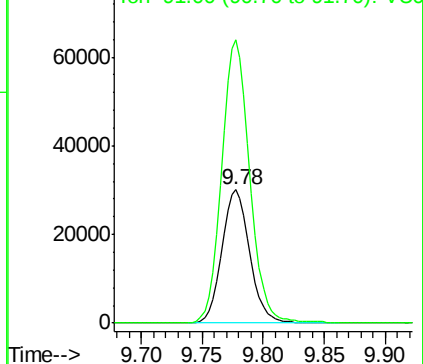
#69
o-Xylene
Concen: 15.802 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 48506
Ion Ratio Lower Upper
106 100
91 213.1 106.1 318.3

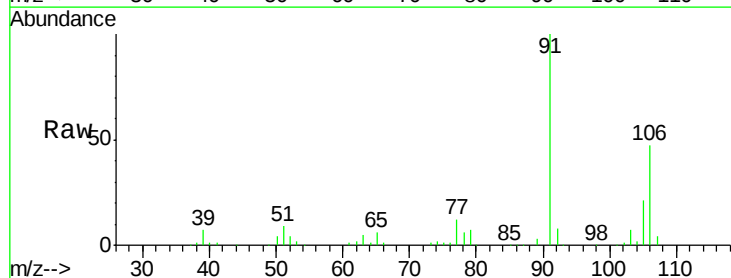


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

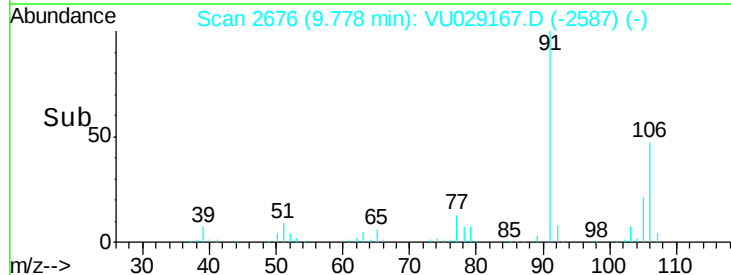
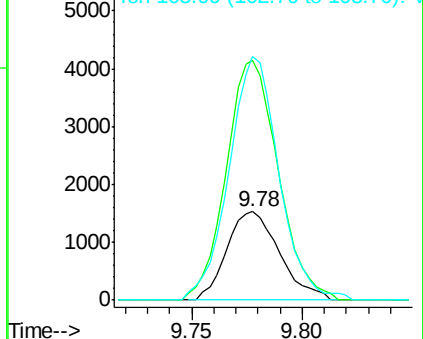


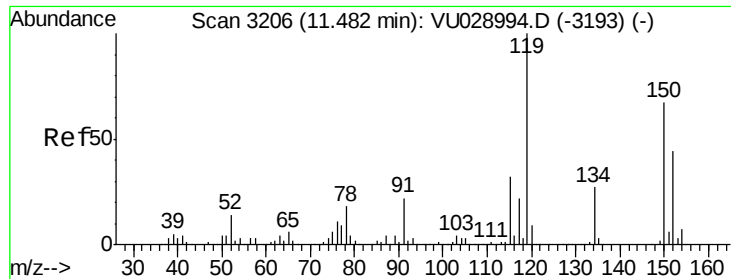
#70
Styrene
Concen: 0.504 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.01 min
Lab File: VU029167.D
Acq: 14 Jan 2019 16:14

Tgt Ion:104 Resp: 2535
Ion Ratio Lower Upper
104 100
78 268.0 38.6 58.0#
103 262.4 44.5 66.7#



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: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Instrument :

MSVOA_U

ClientSampleId :

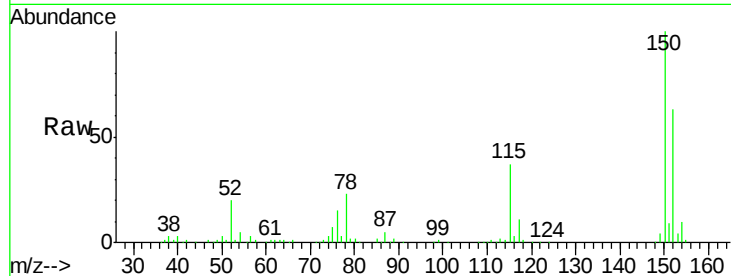
Tot Ion:152 Resp: 93650

Ion Ratio Lower Upper

152 100

115 57.4 40.1 120.3

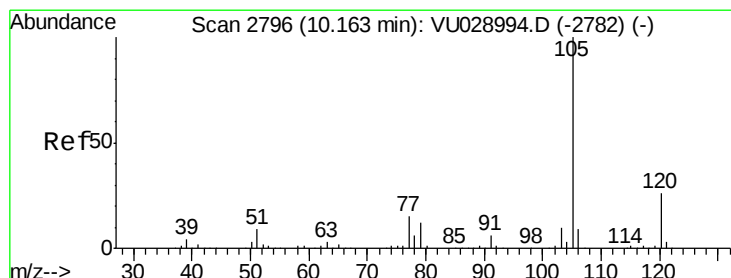
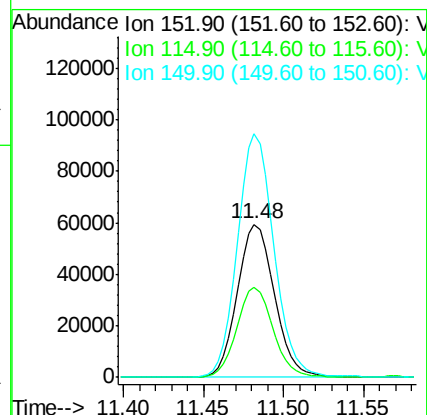
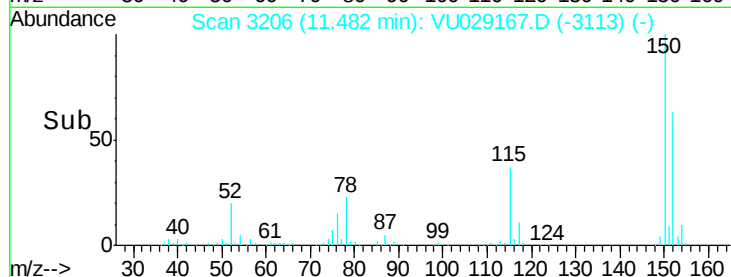
150 157.1 0.0 345.2



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: 0.359 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU029167.D

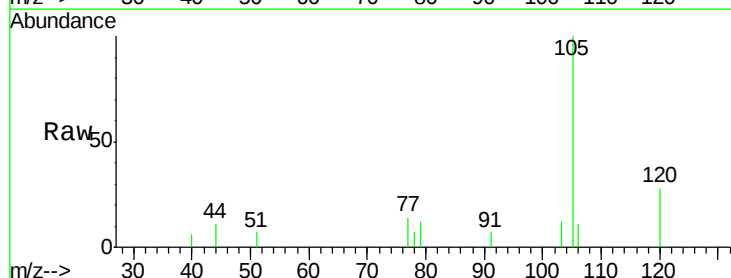
Acq: 14 Jan 2019 16:14

Tgt Ion:105 Resp: 2486

Ion Ratio Lower Upper

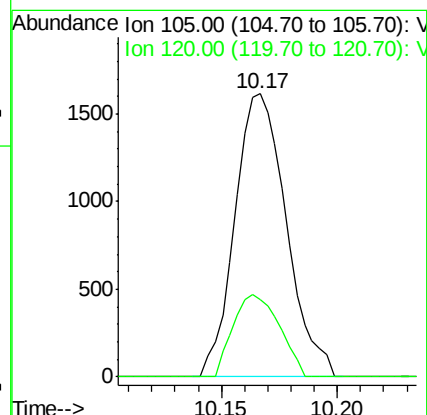
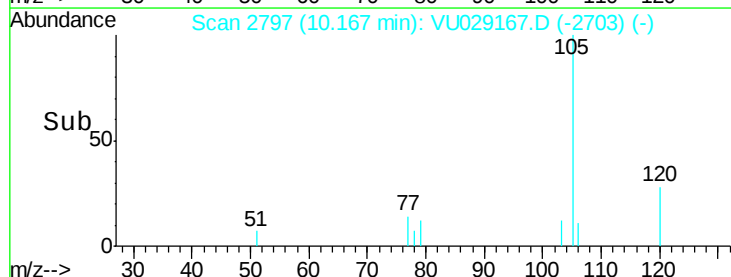
105 100

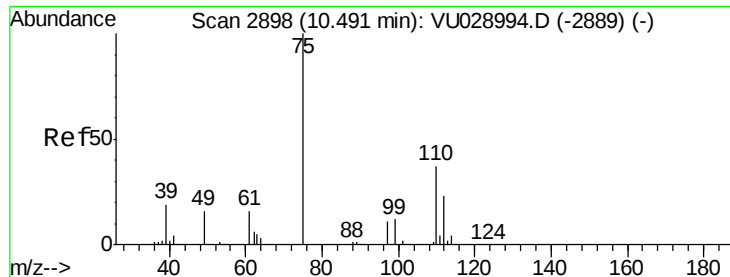
120 26.3 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 19.964 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Instrument :

MSVOA_U

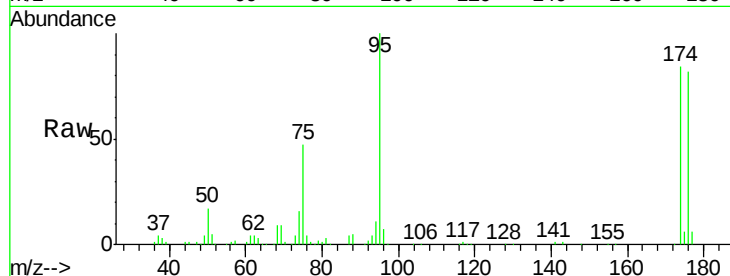
ClientSampleId :

Tot Ion: 75 Resp: 45809

Ion Ratio Lower Upper

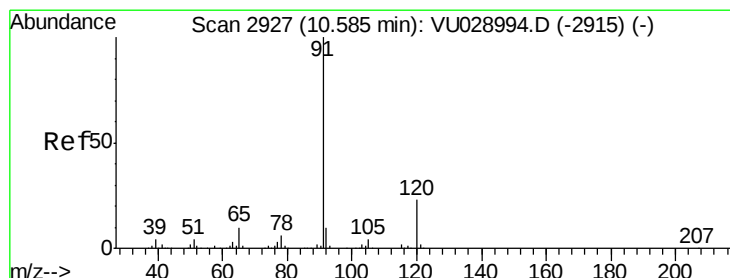
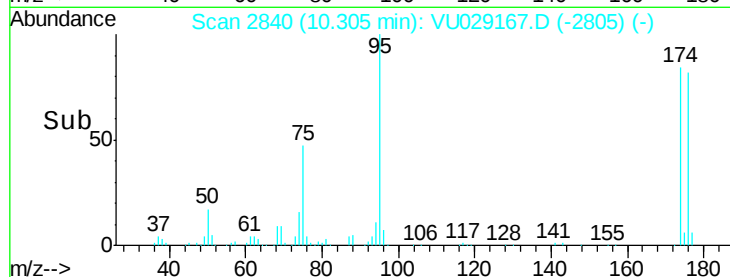
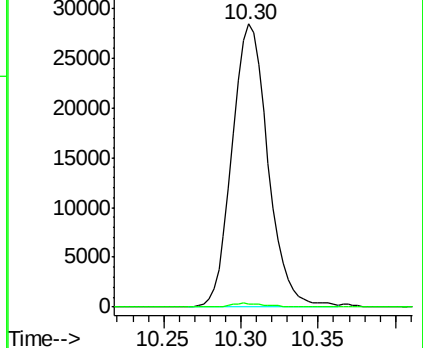
75 100

77 1.3 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#78

n-propylbenzene

Concen: 1.003 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU029167.D

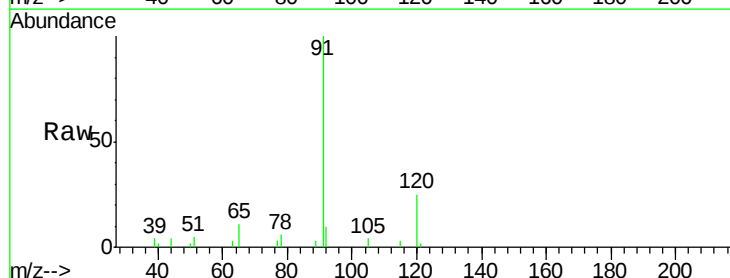
Acq: 14 Jan 2019 16:14

Tgt Ion: 91 Resp: 8197

Ion Ratio Lower Upper

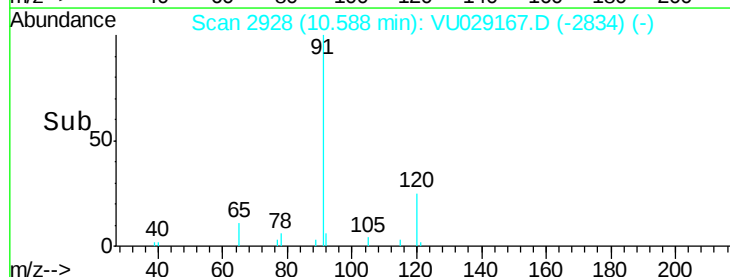
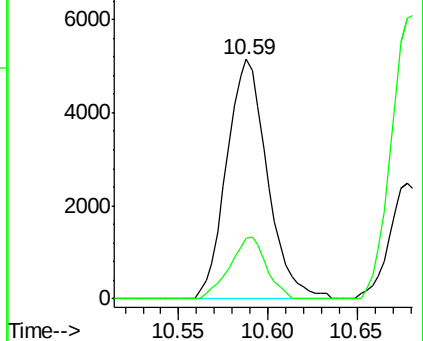
91 100

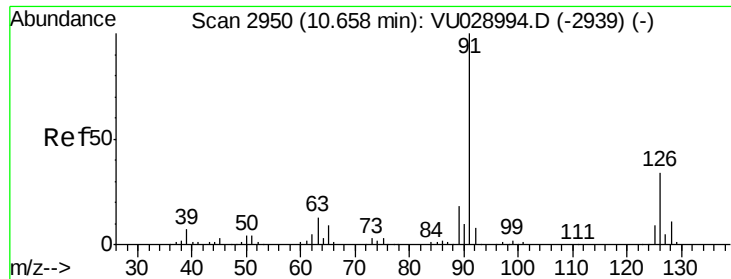
120 23.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.037 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Instrument :

MSVOA_U

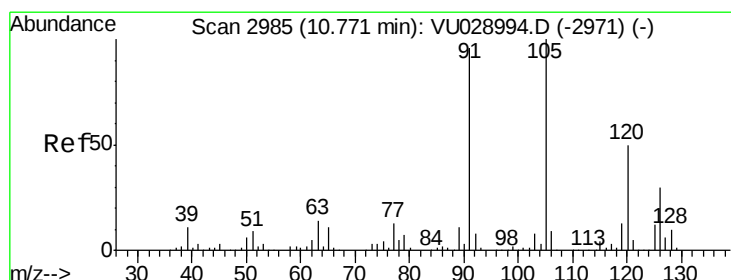
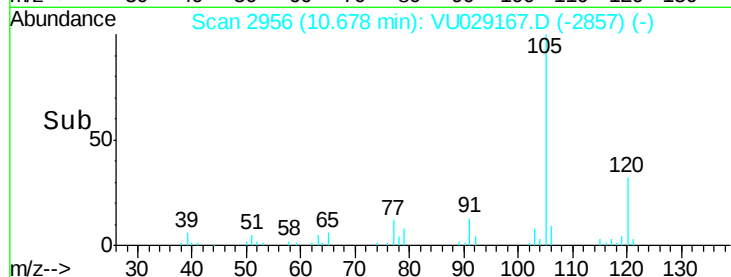
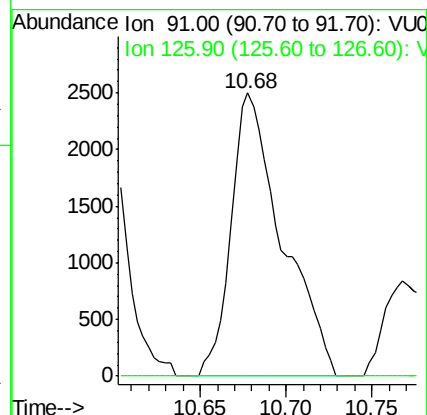
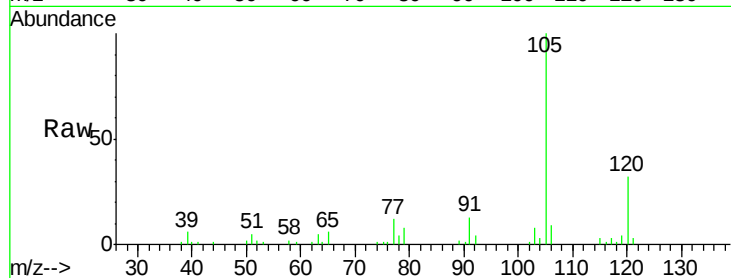
ClientSampled :

Tot Ion: 91 Resp: 5139

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#



#80

1,3,5-Trimethylbenzene

Concen: 2.109 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029167.D

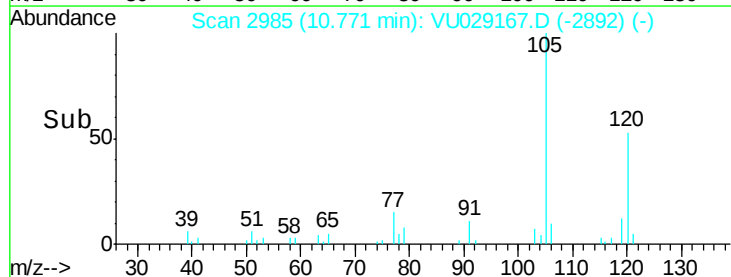
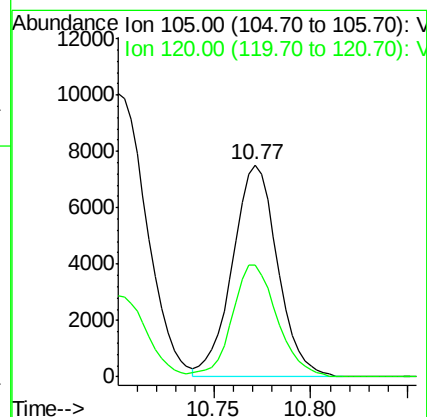
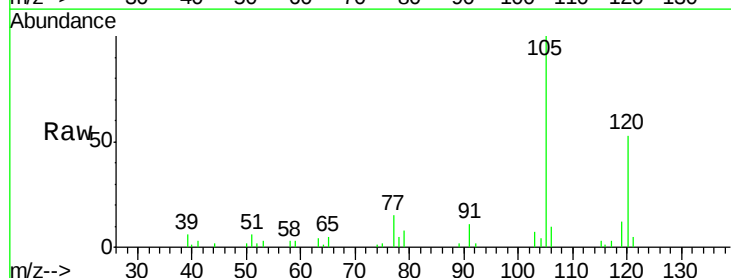
Acq: 14 Jan 2019 16:14

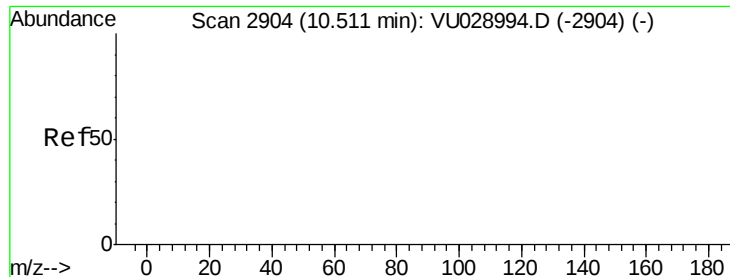
Tgt Ion: 105 Resp: 12206

Ion Ratio Lower Upper

105 100

120 52.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.488 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029167.D

Acq: 14 Jan 2019 16:14

Instrument :

MSVOA_U

ClientSampleId :

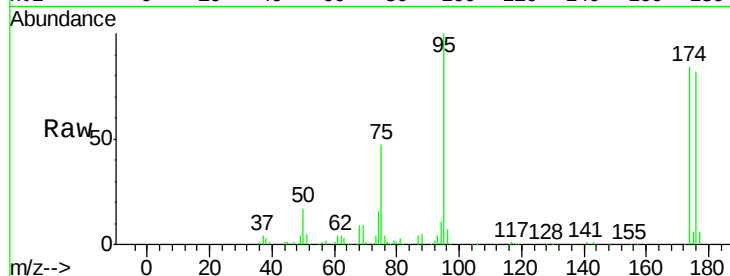
Tot Ion: 75 Resp: 45809

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

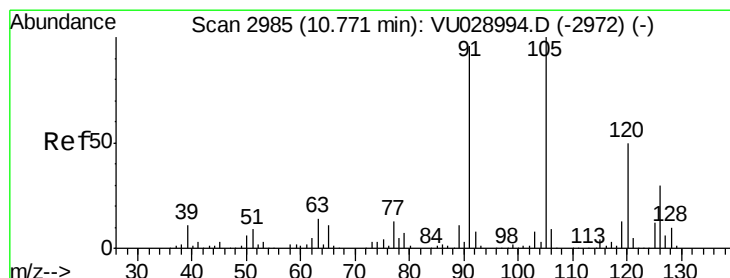
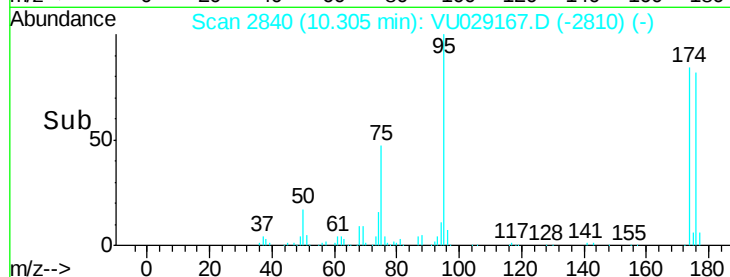
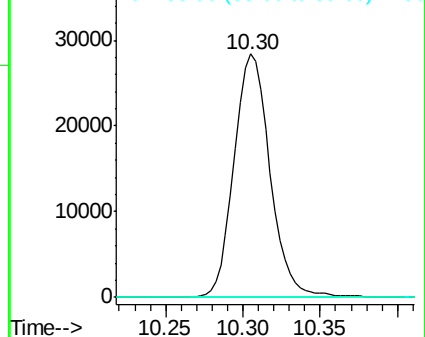
89 0.0 0.0 0.0



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: 0.256 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029167.D

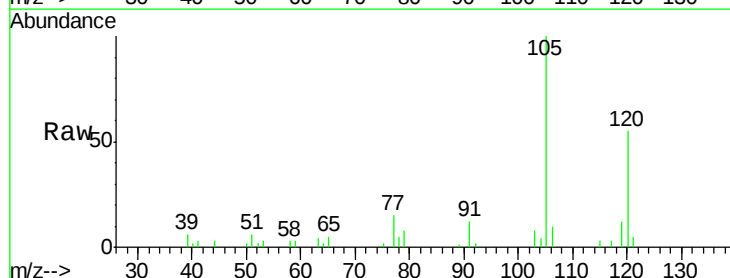
Acq: 14 Jan 2019 16:14

Tgt Ion: 91 Resp: 1455

Ion Ratio Lower Upper

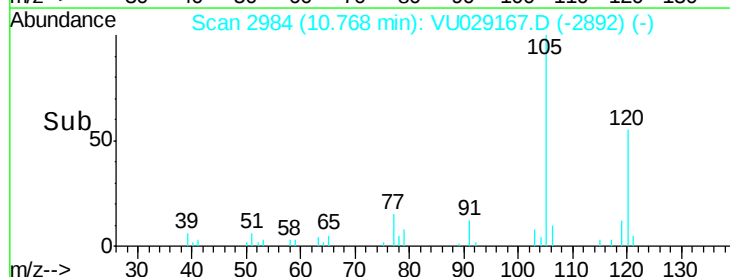
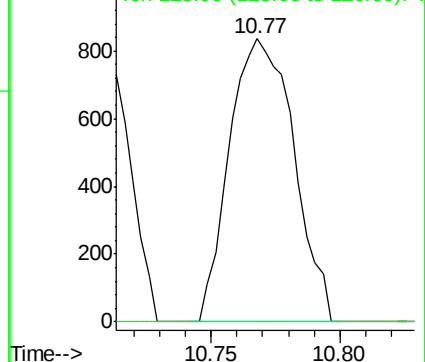
91 100

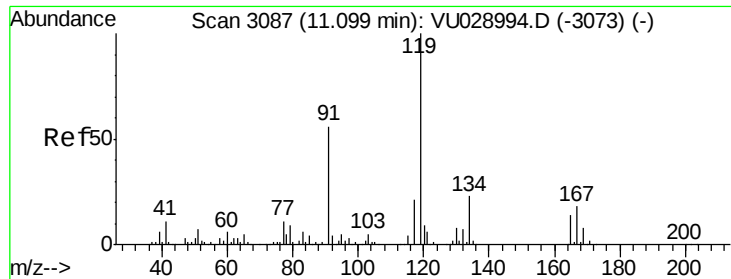
126 0.0 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

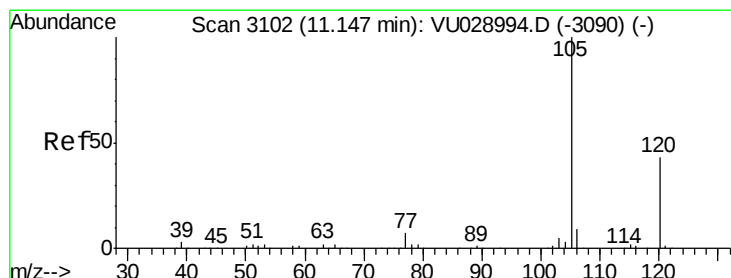
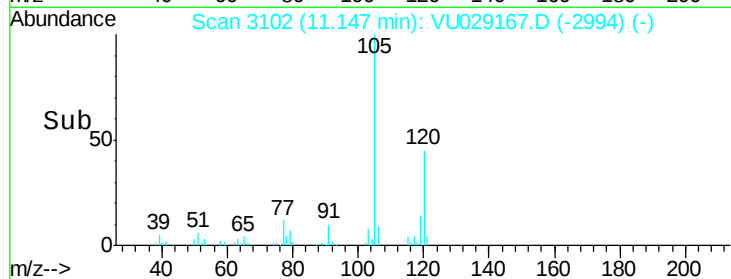
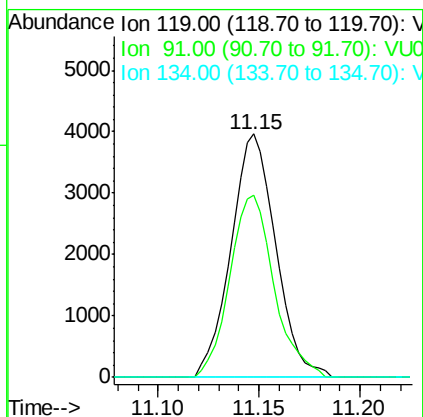
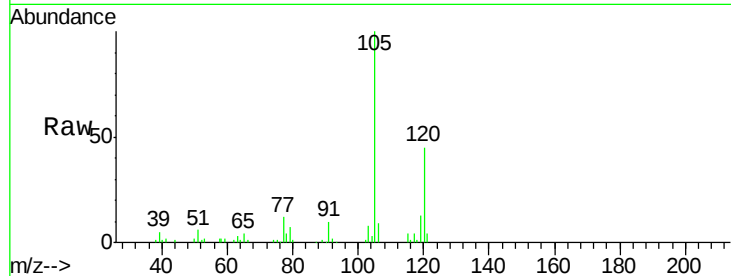




#83
 tert-Butylbenzene
 Concen: 1.079 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.05 min
 Lab File: VU029167.D
 Acq: 14 Jan 2019 16:14

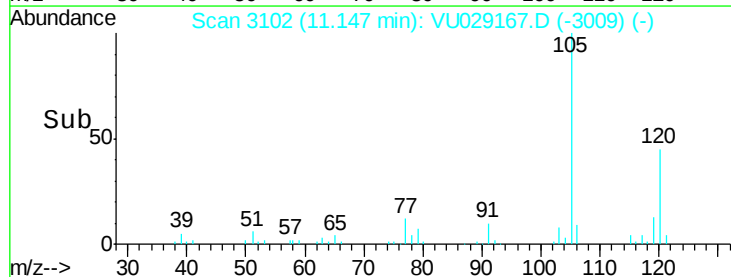
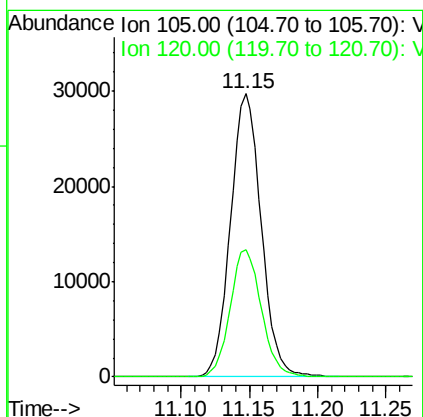
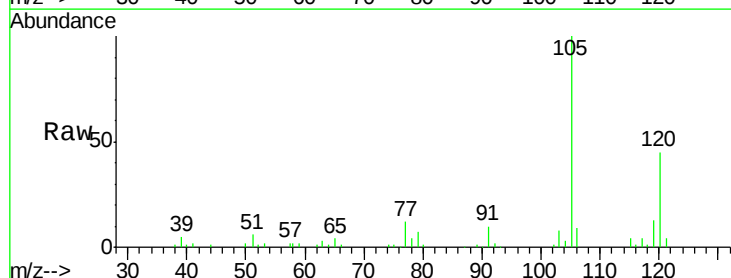
Instrument :
 MSVOA_U
 ClientSampleId :

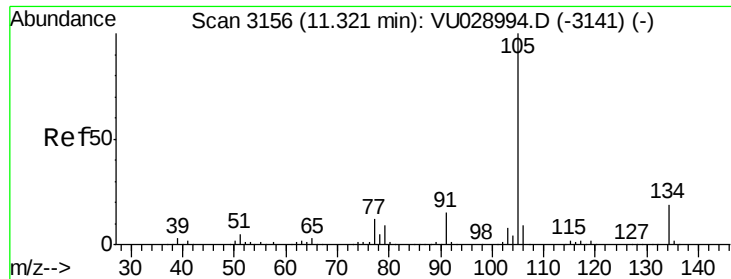
Tot Ion:119 Resp: 6155
 Ion Ratio Lower Upper
 119 100
 91 73.9 28.2 84.6
 134 0.0 11.3 33.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 8.036 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029167.D
 Acq: 14 Jan 2019 16:14

Tgt Ion:105 Resp: 46440
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.3

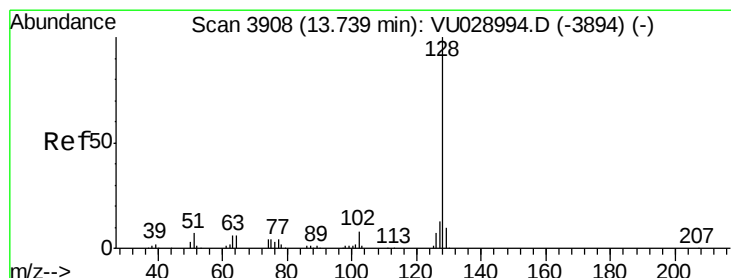
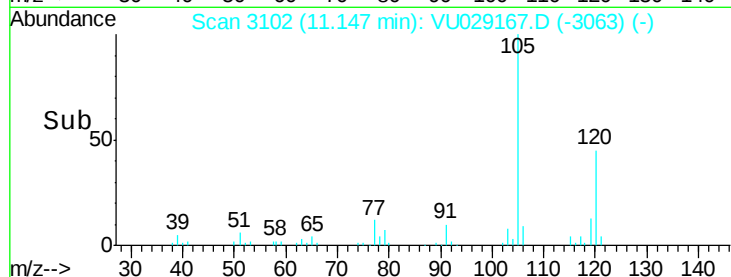
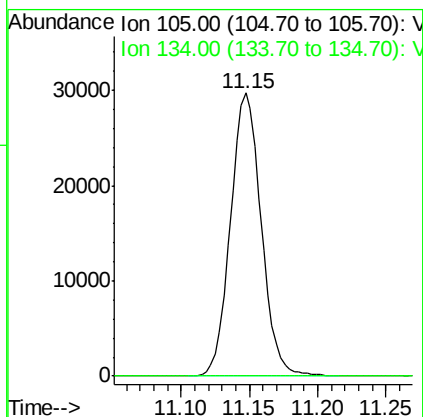
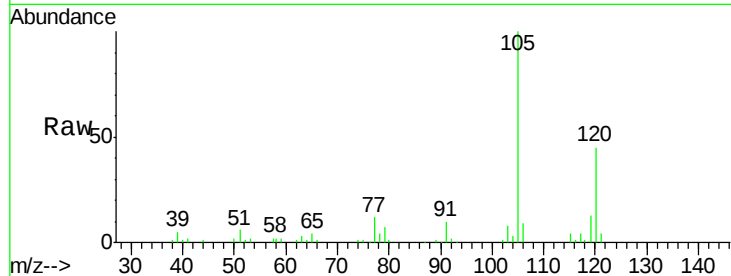




#85
 sec-Butylbenzene
 Concen: 6.730 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.17 min
 Lab File: VU029167.D
 Acq: 14 Jan 2019 16:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:105 Resp: 46440
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#



#95
 Naphthalene
 Concen: 1.524 ug/l
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU029167.D
 Acq: 14 Jan 2019 16:14

Tgt Ion:128 Resp: 11046
 Ion Ratio Lower Upper
 128 100
 127 10.9 10.1 15.1
 129 9.9 8.5 12.7

