

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111318\
 Data File : VU028094.D
 Acq On : 13 Nov 2018 16:06
 Operator : MD/SY
 Sample : J5885-02DL 400X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:59:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	267901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	485792	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	425965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	173616	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	204583	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	4.88	113	155183	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	7.57	98	619716	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	10.31	95	202360	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	

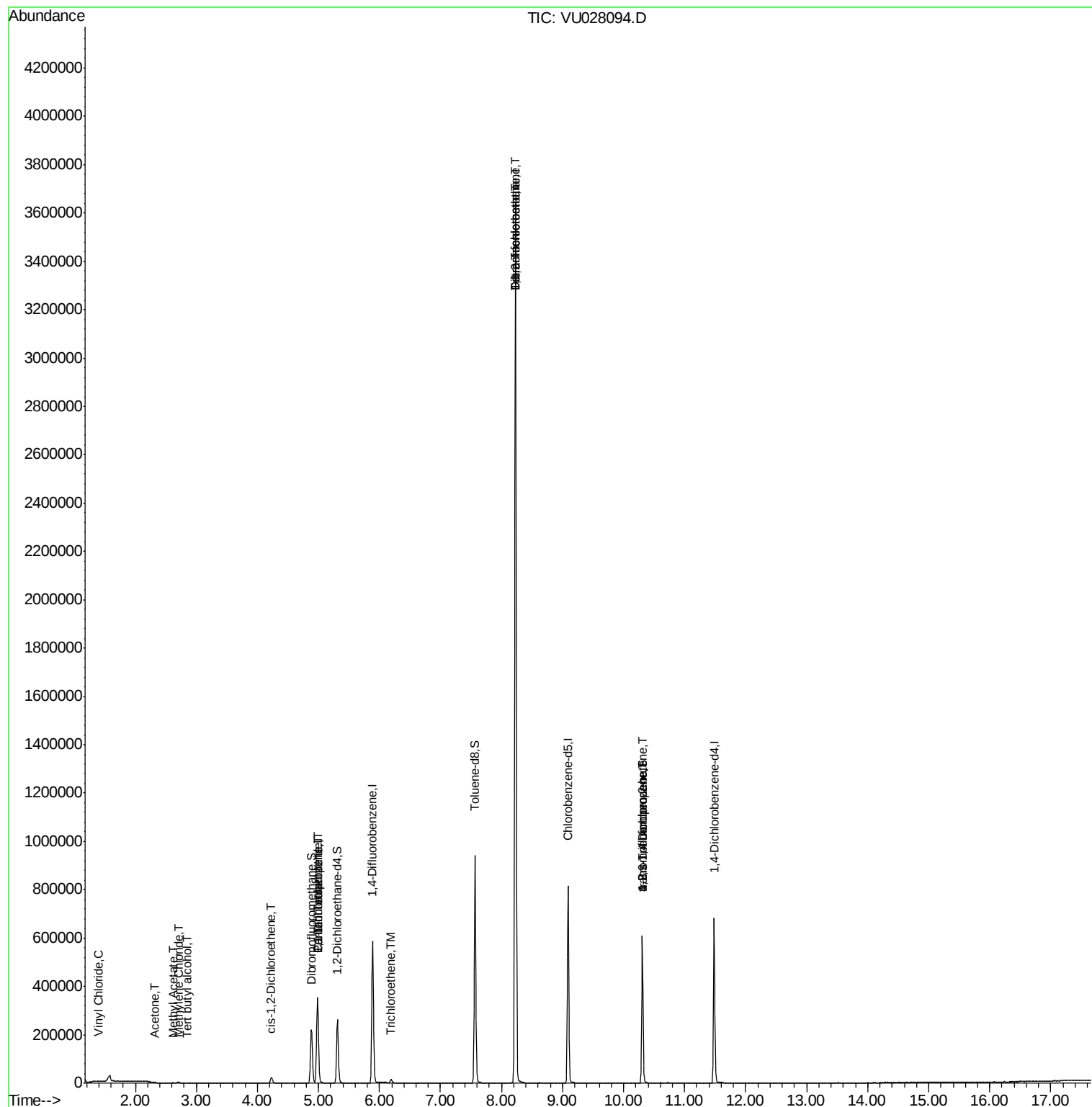
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1025	0.251	ug/l	91
11) Tert butyl alcohol	2.84	59	557	0.528	ug/l #	73
13) Acrolein	2.27	56	39	Below Cal	#	1
16) Acetone	2.33	43	1067	0.432	ug/l	97
18) Methyl Acetate	2.63	43	1694	0.249	ug/l	97
20) Methylene Chloride	2.70	84	2044	0.566	ug/l	95
27) cis-1,2-Dichloroethene	4.23	96	12137	3.340	ug/l	87
31) Cyclohexane	4.98	56	5631	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	22304	4.384	ug/l #	50
38) Carbon Tetrachloride	4.98	117	26124	5.794	ug/l #	16
44) Trichloroethene	6.19	130	5677	1.698	ug/l	93
55) 1,1,2-Trichloroethane	8.23	97	6481	1.742	ug/l #	1
60) Dibromochloromethane	8.23	129	759891	215.834	ug/l #	10
64) Tetrachloroethene	8.23	164	799667	289.517	ug/l	100
76) 1,2,3-Trichloropropane	10.31	75	103210	21.733	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	103210	54.242	ug/l #	100
95) Naphthalene	13.77	128	42	Below Cal	#	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028094.D

Acq: 13 Nov 2018 16:06

Instrument :

MSVOA_U

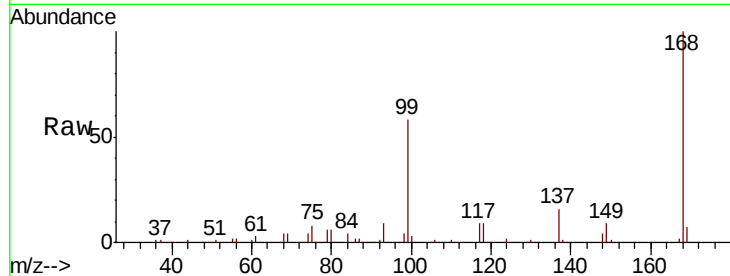
ClientSampled :

Tot Ion:168 Resp: 267901

Ion Ratio Lower Upper

168 100

99 57.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

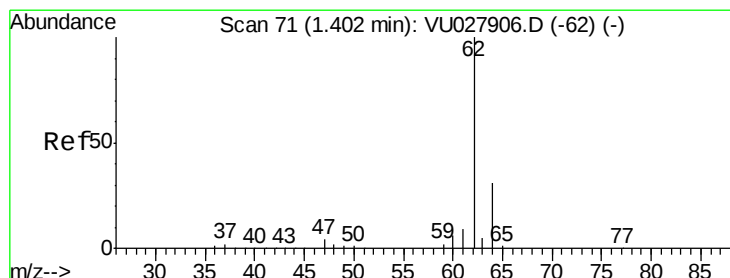
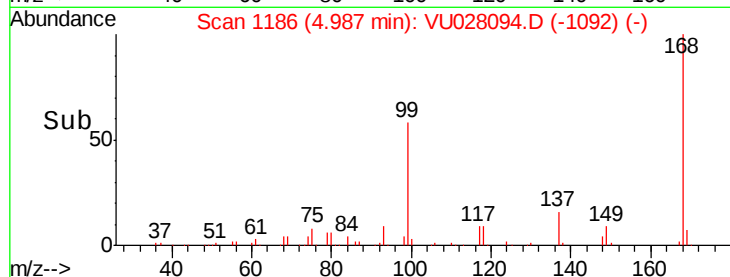
4.99

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.251 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028094.D

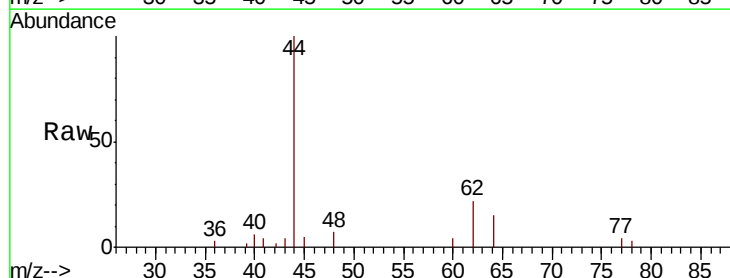
Acq: 13 Nov 2018 16:06

Tgt Ion: 62 Resp: 1025

Ion Ratio Lower Upper

62 100

64 36.4 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)

1200

1000

800

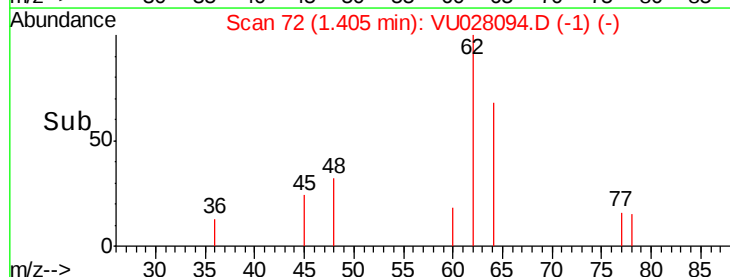
600

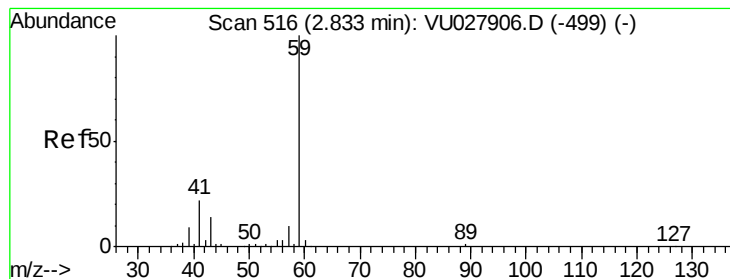
400

200

0

Time-->



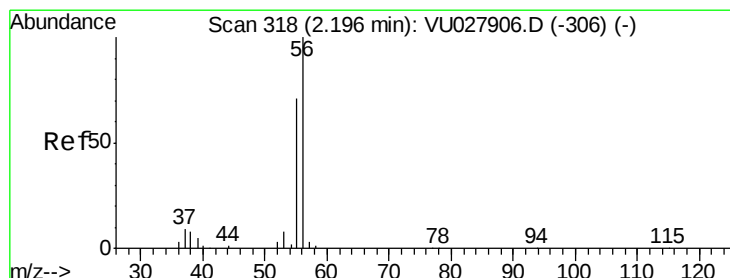
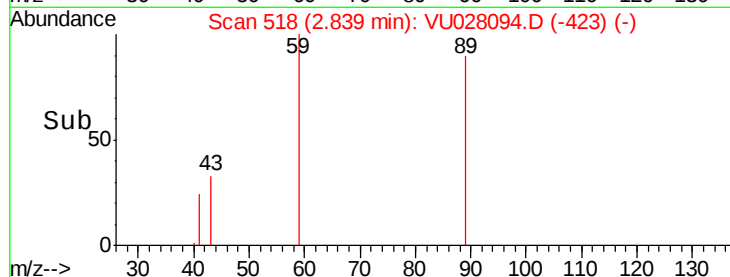
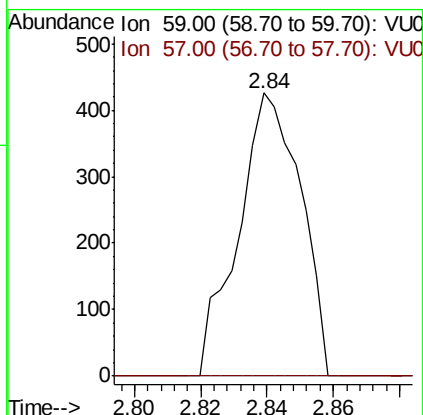
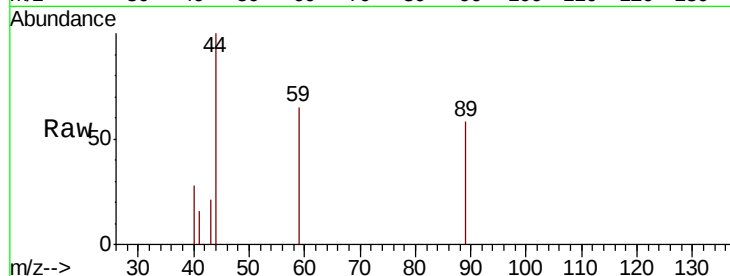


#11

Tert butyl alcohol
Concen: 0.528 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU028094.D
Acq: 13 Nov 2018 16:06

Instrument :
MSVOA_U
ClientSampled :

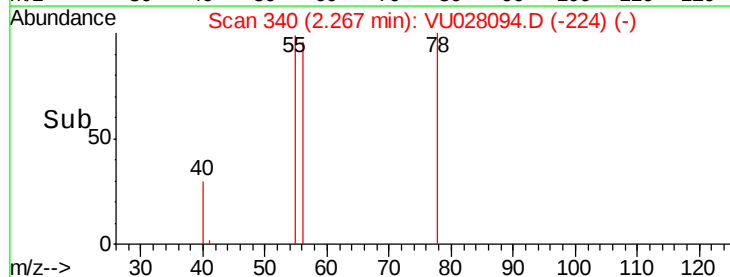
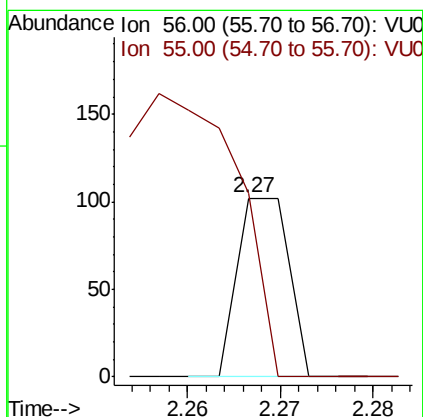
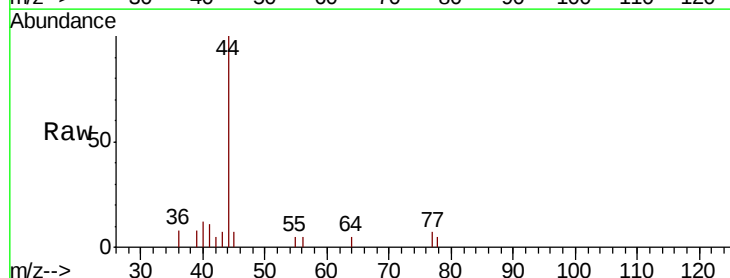
Tot Ion: 59 Resp: 557
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

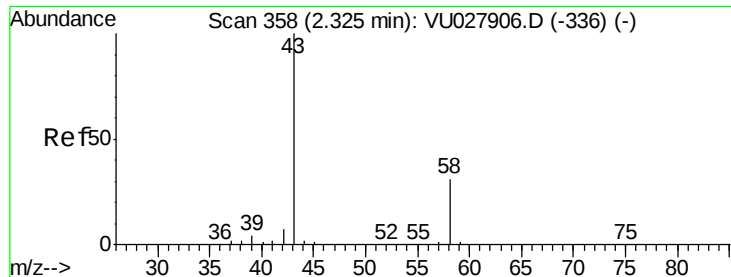


#13

Acrolein
Concen: Below Cal
RT: 2.27 min Scan# 340
Delta R.T. 0.07 min
Lab File: VU028094.D
Acq: 13 Nov 2018 16:06

Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 346.2 56.2 84.4#





#16

Acetone

Concen: 0.432 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028094.D

Acq: 13 Nov 2018 16:06

Instrument :

MSVOA_U

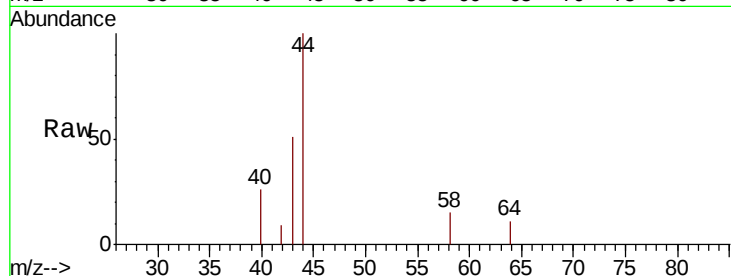
ClientSampled :

Tot Ion: 43 Resp: 1067

Ion Ratio Lower Upper

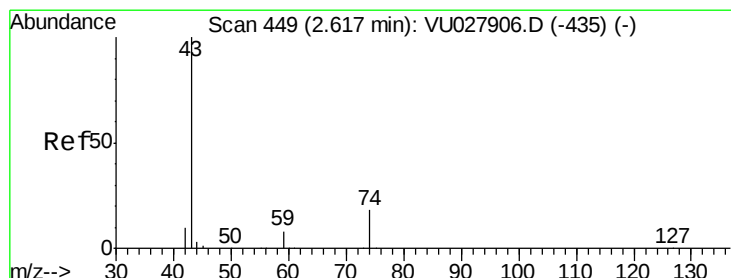
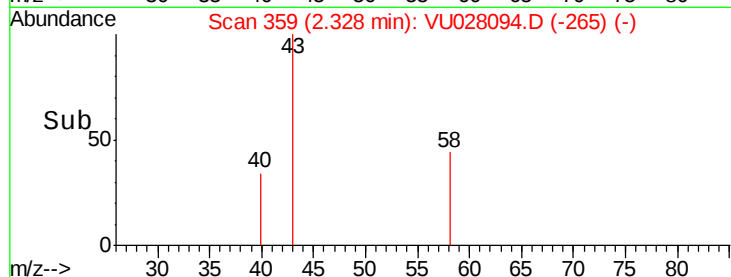
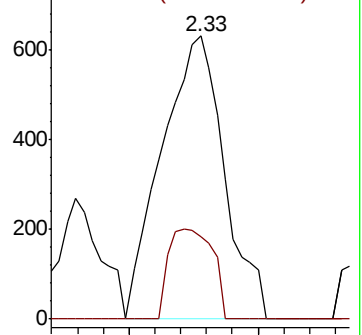
43 100

58 29.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.249 ug/l

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU028094.D

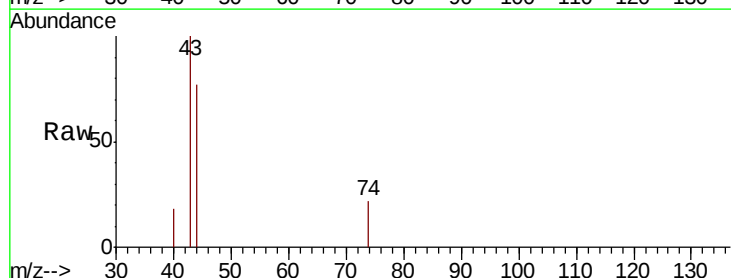
Acq: 13 Nov 2018 16:06

Tgt Ion: 43 Resp: 1694

Ion Ratio Lower Upper

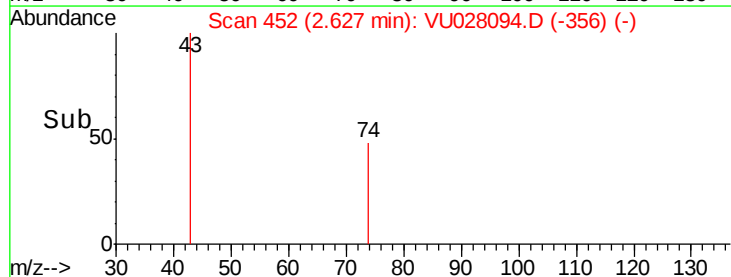
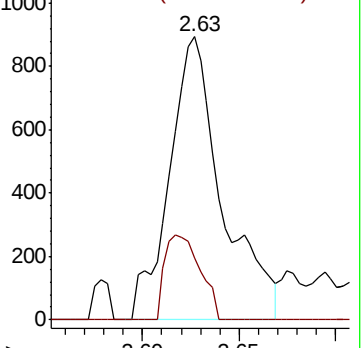
43 100

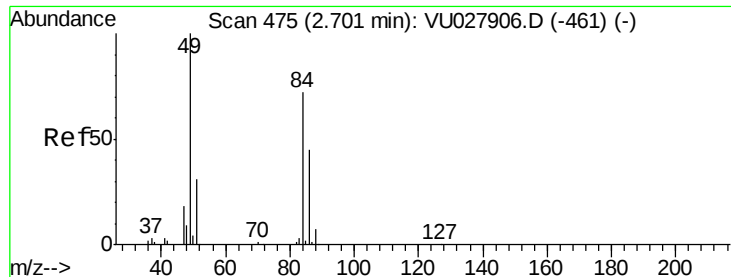
74 20.0 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

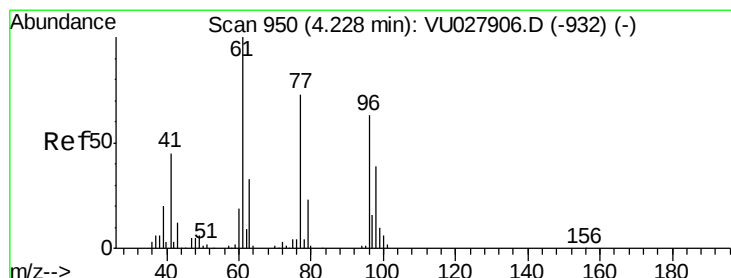
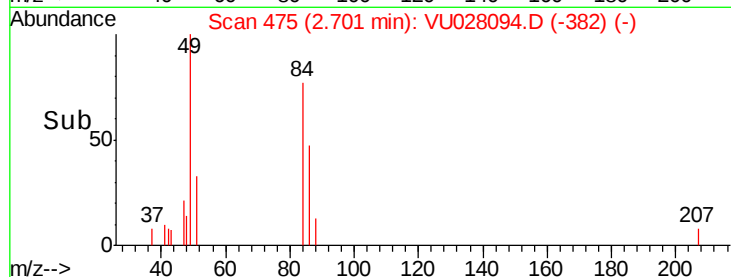
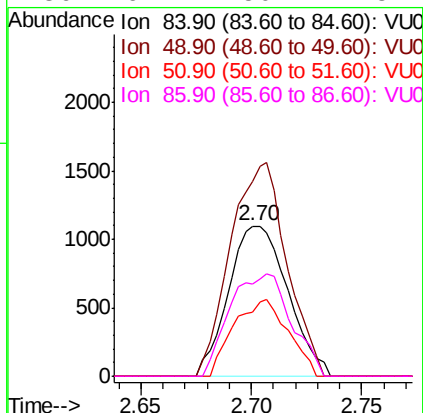
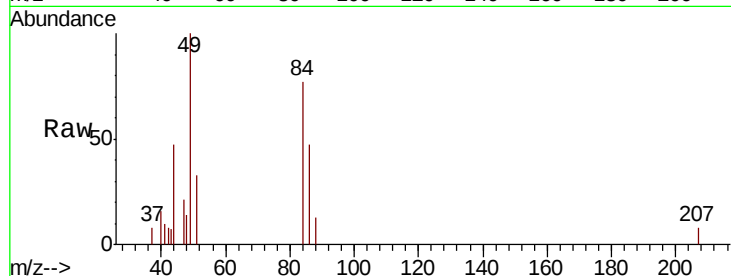




#20
Methylene Chloride
Concen: 0.566 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028094.D
Acq: 13 Nov 2018 16:06

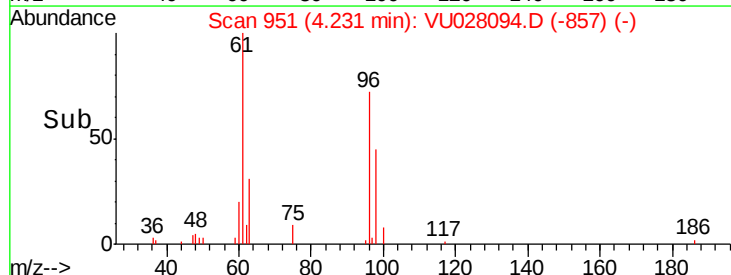
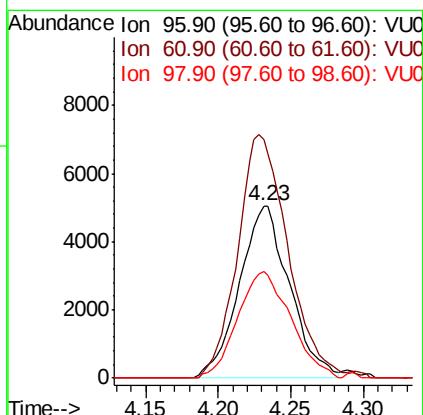
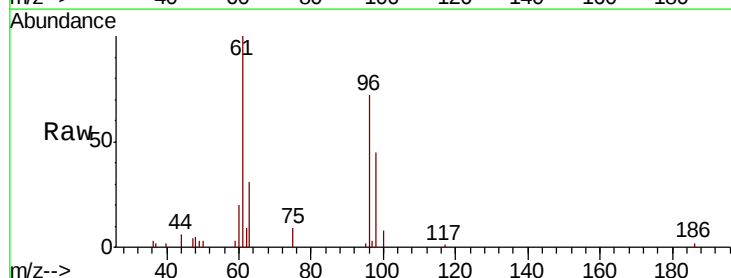
Instrument :
MSVOA_U
ClientSampled :

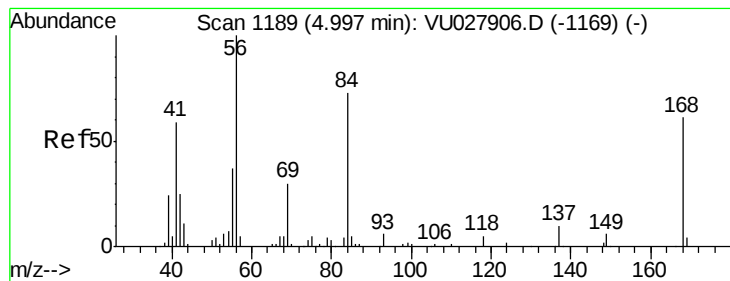
Tot Ion:	84	Resp:	2044
Ion	Ratio	Lower	Upper
84	100		
49	129.4	111.6	167.4
51	43.0	34.8	52.2
86	61.2	50.1	75.1



#27
cis-1,2-Dichloroethene
Concen: 3.340 ug/l
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU028094.D
Acq: 13 Nov 2018 16:06

Tgt Ion:	96	Resp:	12137
Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	329.6
98	65.4	0.0	127.2





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028094.D

Acq: 13 Nov 2018 16:06

Instrument :

MSVOA_U

ClientSampleId :

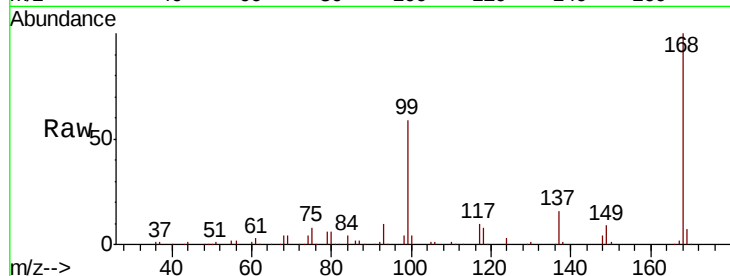
Tot Ion: 56 Resp: 5631

Ion Ratio Lower Upper

56 100

69 172.2 23.7 35.5#

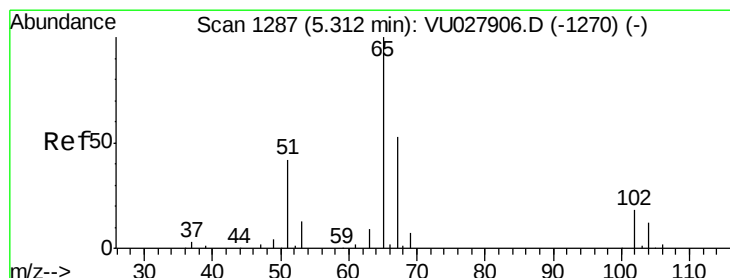
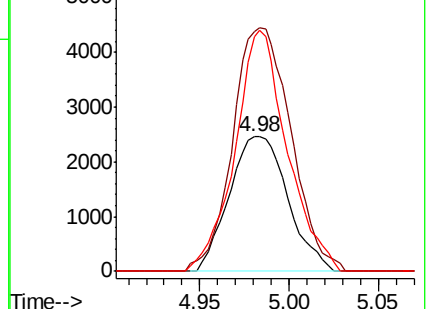
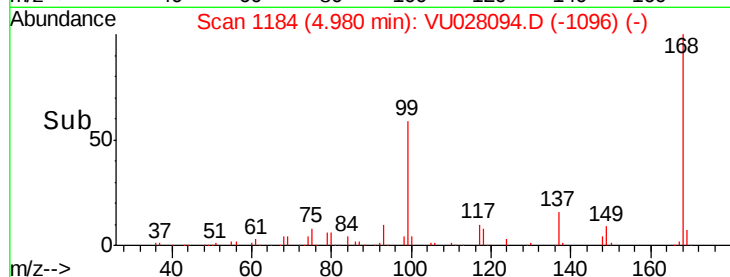
84 173.9 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU028094.D (-1096) (-)

Ion 69.00 (68.70 to 69.70): VU028094.D (-1096) (-)

Ion 84.00 (83.70 to 84.70): VU028094.D (-1096) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.364 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU028094.D

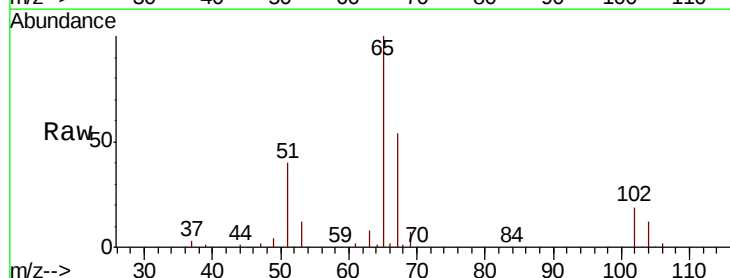
Acq: 13 Nov 2018 16:06

Tgt Ion: 65 Resp: 204583

Ion Ratio Lower Upper

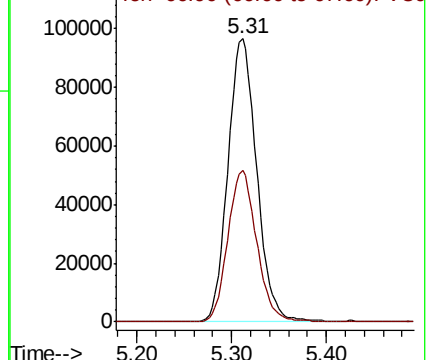
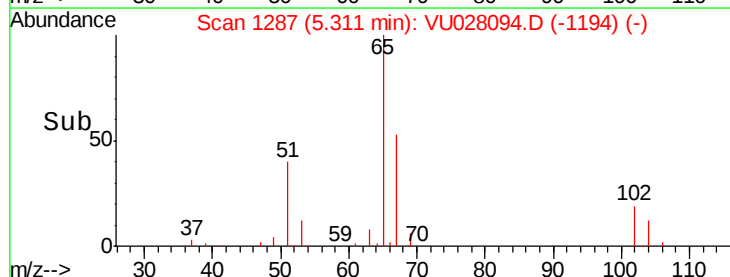
65 100

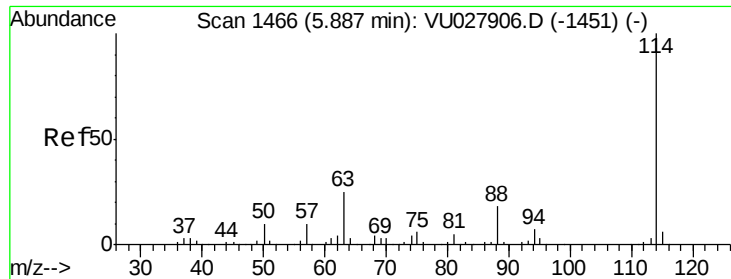
67 53.5 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU028094.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU028094.D (-1194) (-)

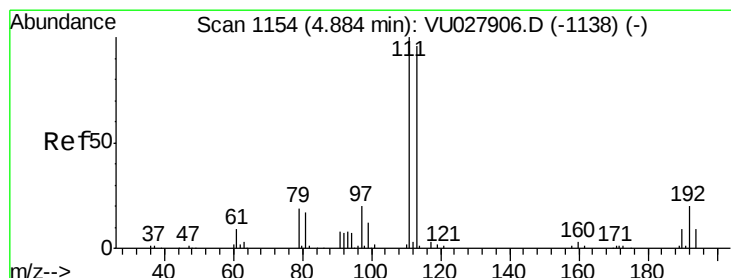
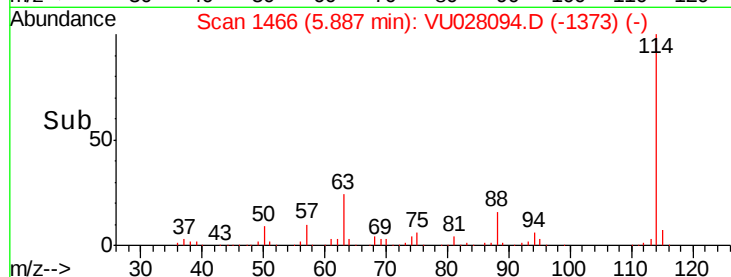
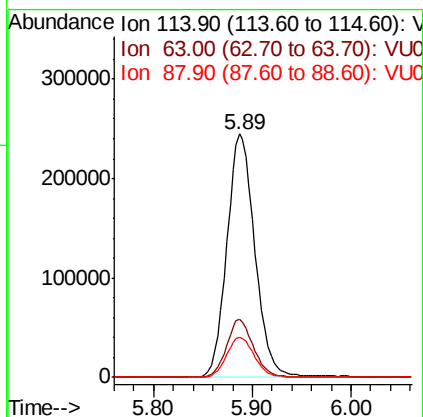
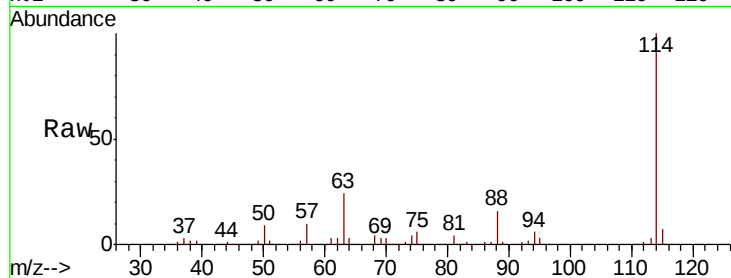




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028094.D
 Acq: 13 Nov 2018 16:06

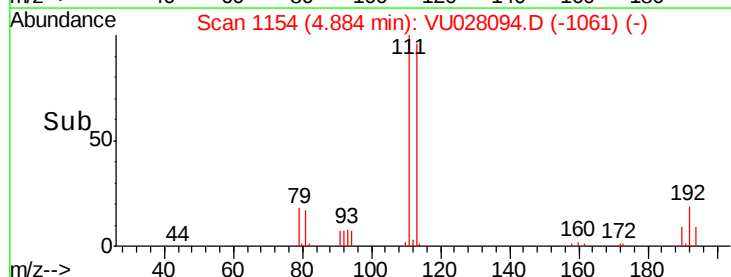
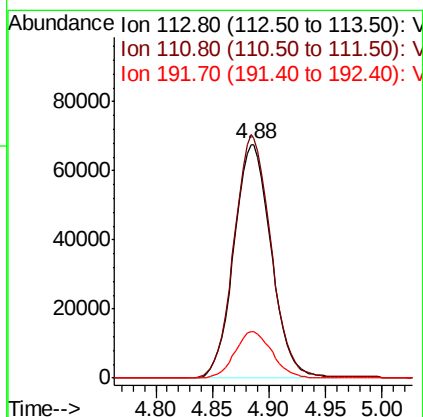
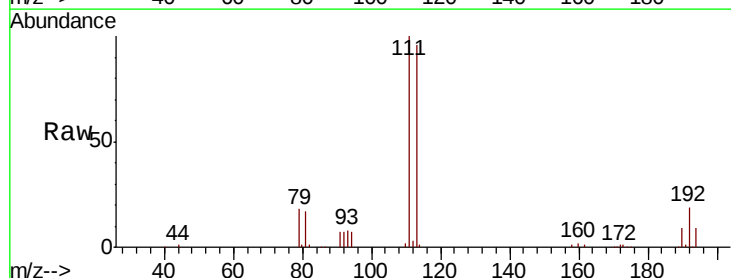
Instrument :
 MSVOA_U
 ClientSampleId :

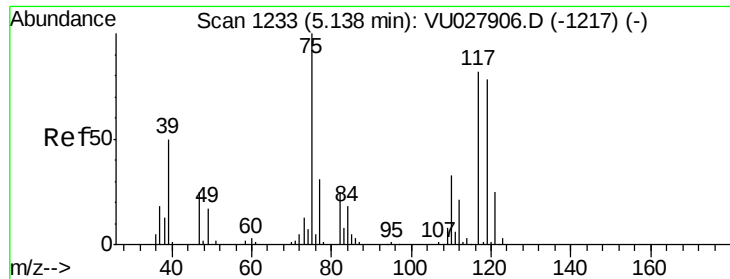
Tot Ion:114 Resp: 485792
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 50.8
 88 16.4 0.0 35.8



#35
 Dibromofluoromethane
 Concen: 50.664 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028094.D
 Acq: 13 Nov 2018 16:06

Tgt Ion:113 Resp: 155183
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.0 124.6
 192 19.8 15.6 23.4

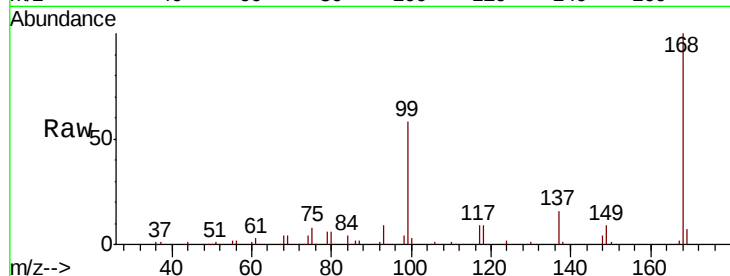




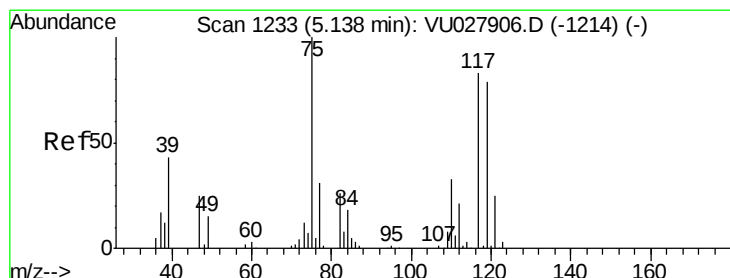
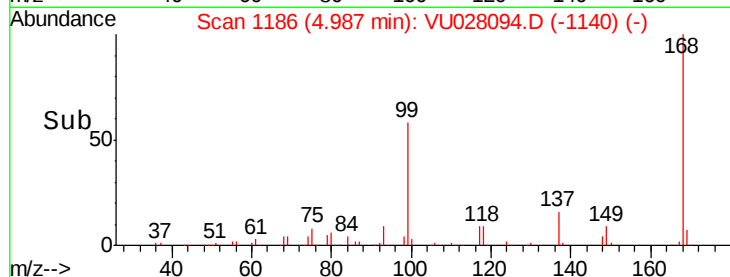
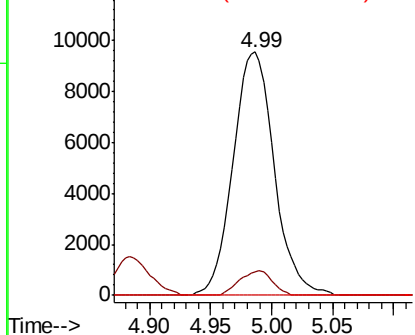
#36
 1,1-Dichloropropene
 Concen: 4.384 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028094.D
 Acq: 13 Nov 2018 16:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 22304
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.5 49.5#
 77 0.0 24.9 37.3#

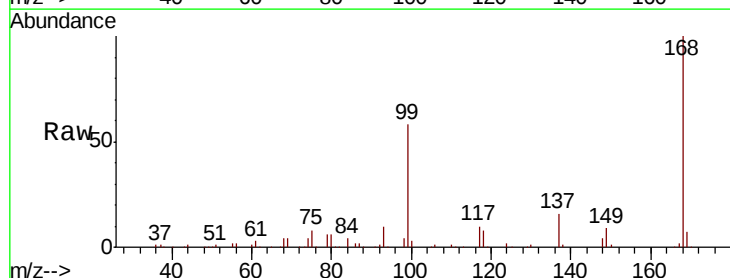


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

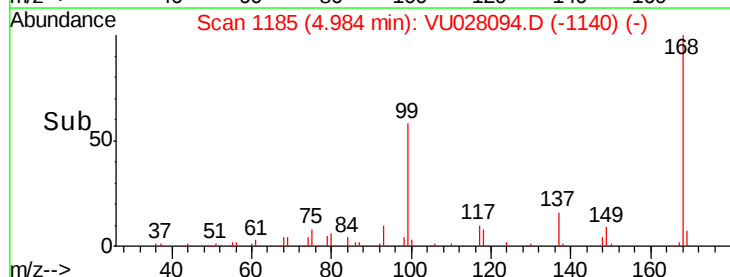
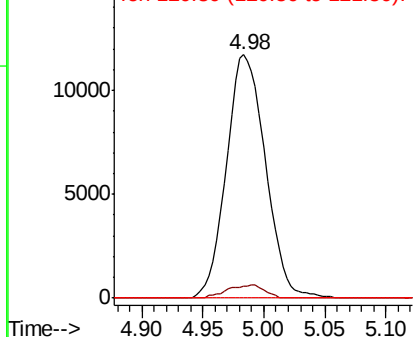


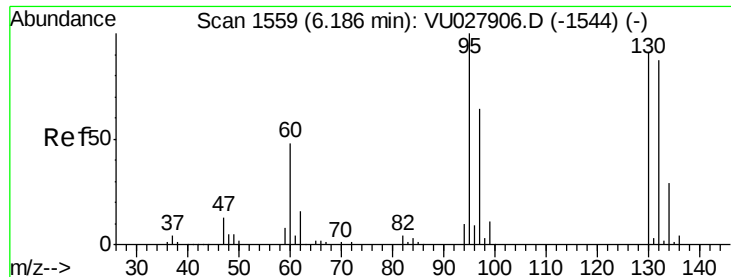
#38
 Carbon Tetrachloride
 Concen: 5.794 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028094.D
 Acq: 13 Nov 2018 16:06

Tgt Ion: 117 Resp: 26124
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.0 114.0#
 121 0.0 24.5 36.7#



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





#44

Trichloroethene

Concen: 1.698 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028094.D

Acq: 13 Nov 2018 16:06

Instrument :

MSVOA_U

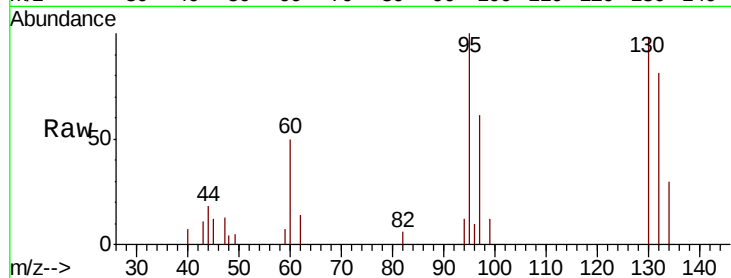
ClientSampleId :

Tot Ion:130 Resp: 5677

Ion Ratio Lower Upper

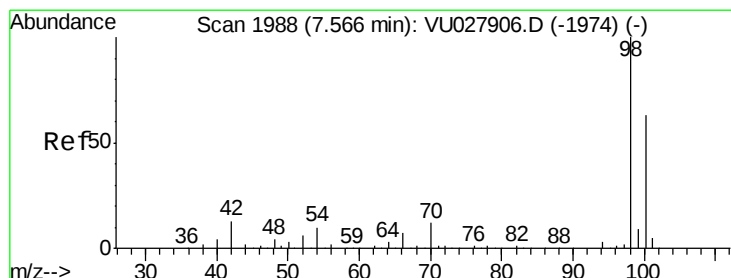
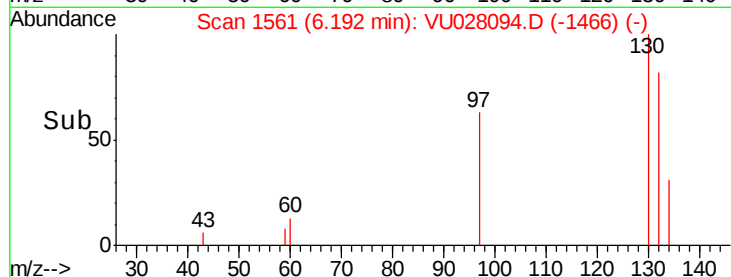
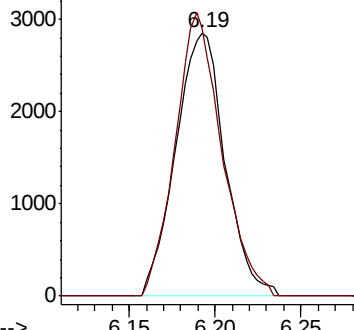
130 100

95 101.8 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 52.376 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028094.D

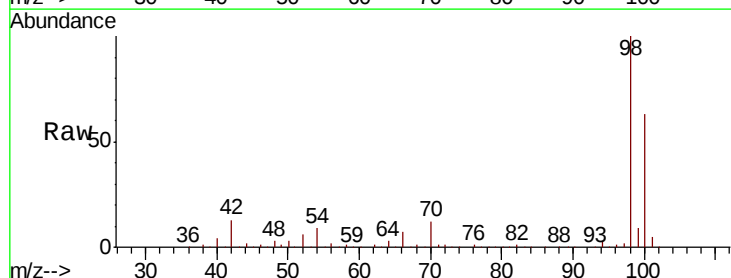
Acq: 13 Nov 2018 16:06

Tgt Ion: 98 Resp: 619716

Ion Ratio Lower Upper

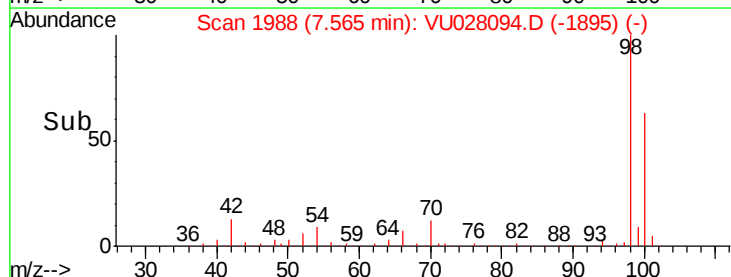
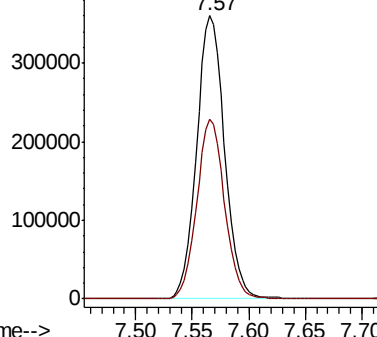
98 100

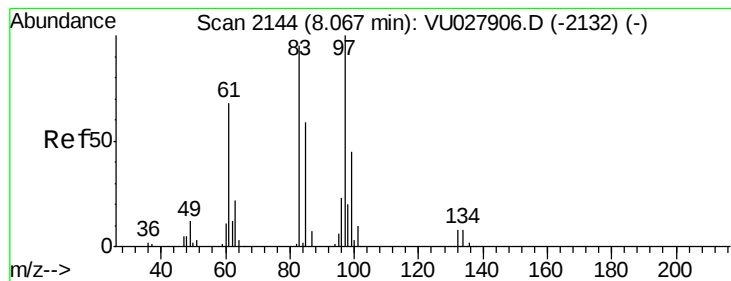
100 62.9 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#55

1,1,2-Trichloroethane

Concen: 1.742 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.16 min

Lab File: VU028094.D

Acq: 13 Nov 2018 16:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 6481

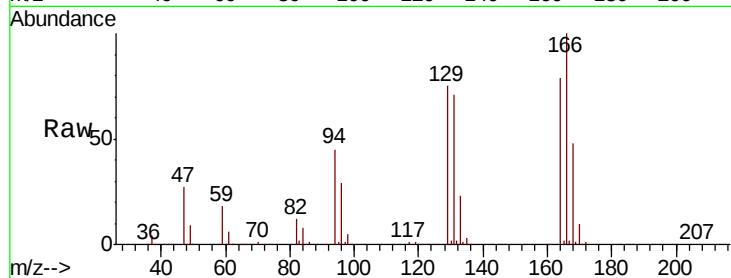
Ion Ratio Lower Upper

97 100

83 344.2 76.1 114.1#

85 49.8 48.9 73.3

99 15.7 52.0 78.0#



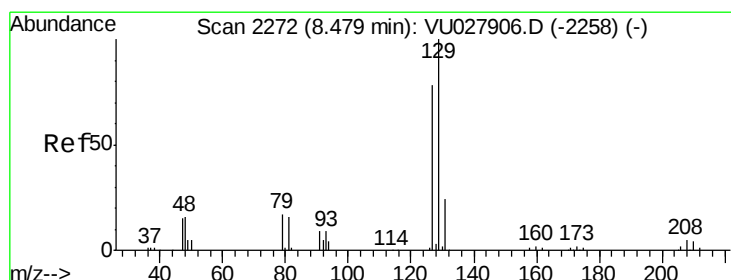
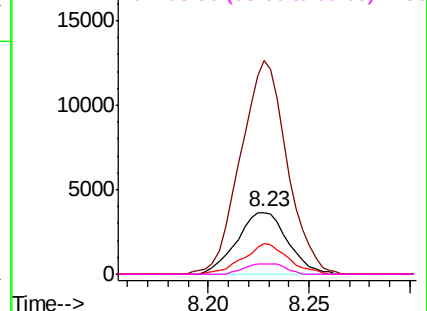
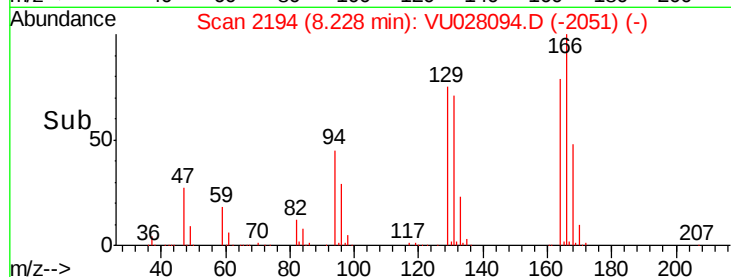
Abundance

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



#60

Dibromochloromethane

Concen: 215.834 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028094.D

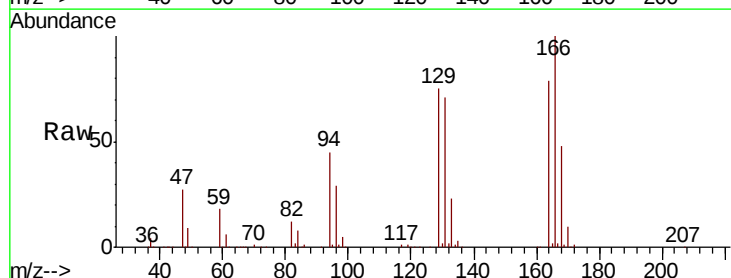
Acq: 13 Nov 2018 16:06

Tgt Ion: 129 Resp: 759891

Ion Ratio Lower Upper

129 100

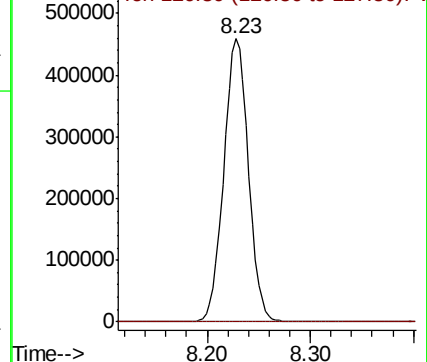
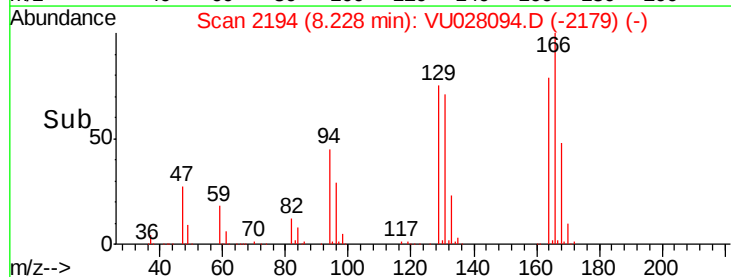
127 0.0 39.2 117.6#

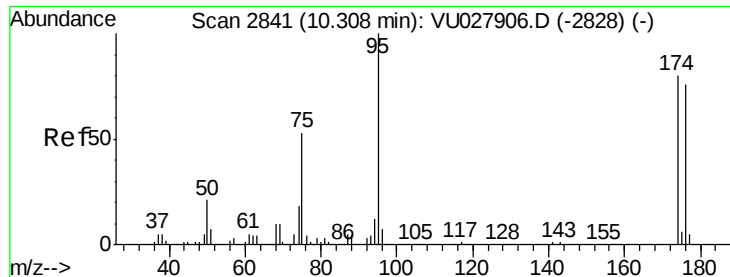


Abundance

Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

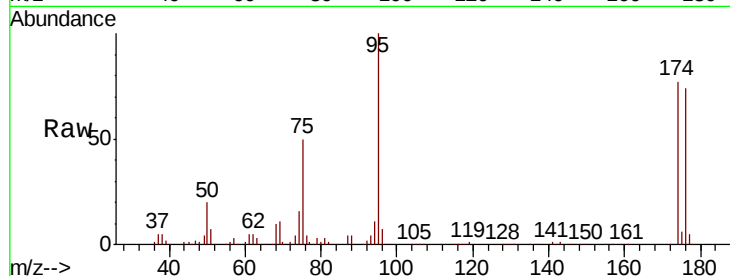




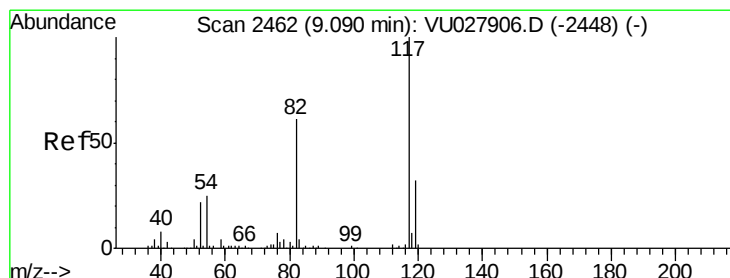
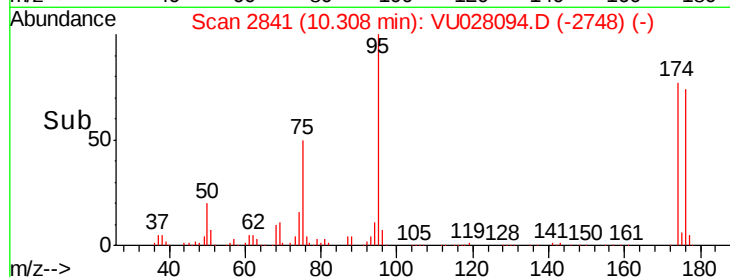
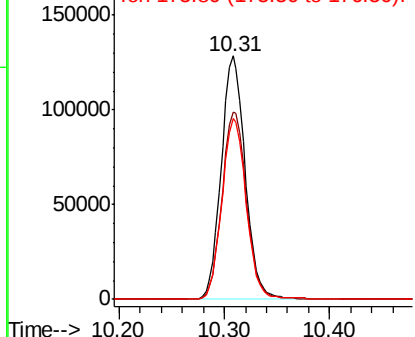
#62
4-Bromofluorobenzene
Concen: 46.368 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028094.D
Acq: 13 Nov 2018 16:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	95	Resp	202360
Ion Ratio	Lower	Upper	
95	100		
174	78.8	0.0	156.4
176	75.4	0.0	150.8

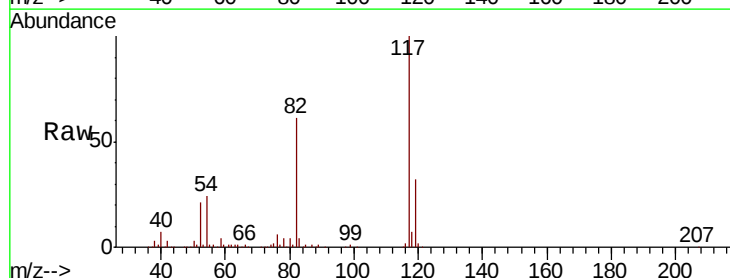


Abundance Ion 94.90 (94.60 to 95.60): VU027906.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU027906.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU027906.D (-2828) (-)

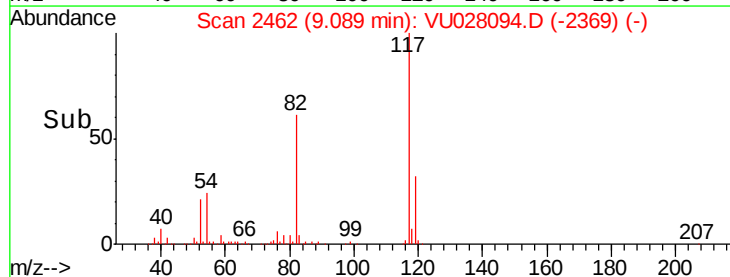
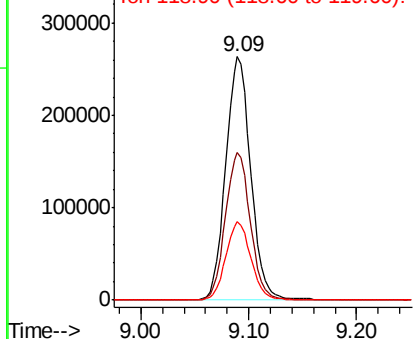


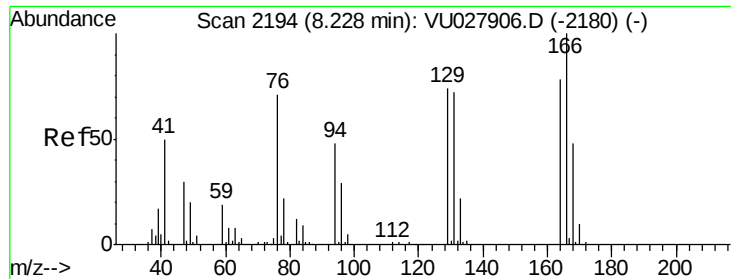
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028094.D
Acq: 13 Nov 2018 16:06

Tgt Ion	117	Resp	425965
Ion Ratio	Lower	Upper	
117	100		
82	60.6	48.6	73.0
119	32.0	25.8	38.8



Abundance Ion 116.90 (116.60 to 117.60): VU027906.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU027906.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU027906.D (-2448) (-)





#64

Tetrachloroethene

Concen: 289.517 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028094.D

Acq: 13 Nov 2018 16:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 799667

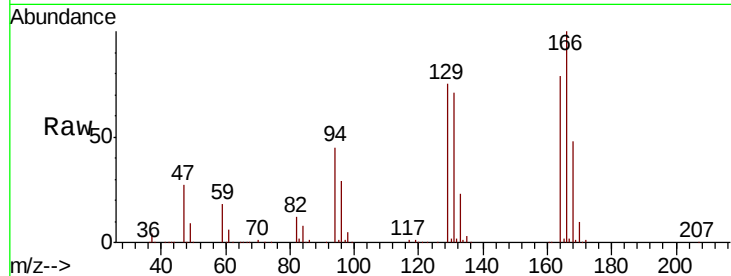
Ion Ratio Lower Upper

164 100

166 127.2 102.1 153.1

129 95.1 75.9 113.9

131 90.9 73.0 109.6

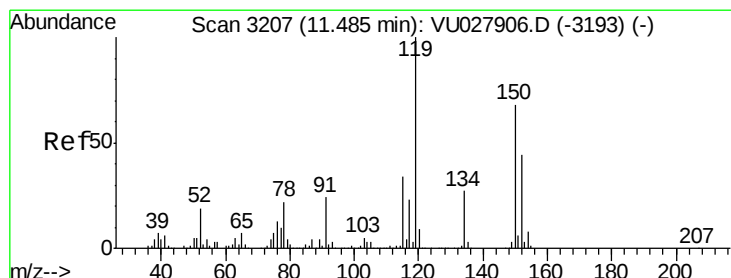
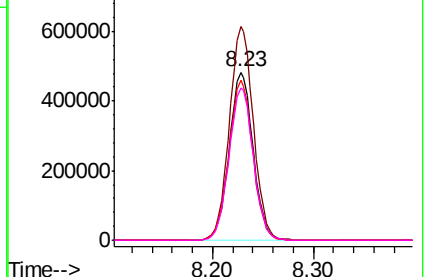
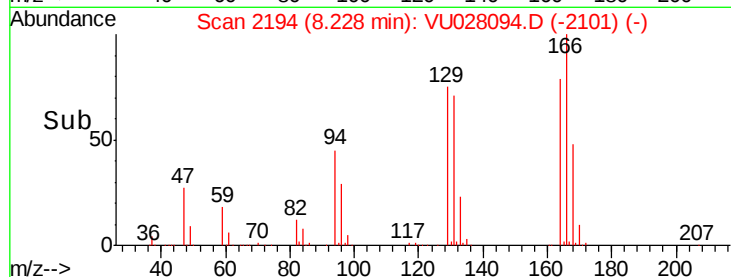


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU028094.D

Acq: 13 Nov 2018 16:06

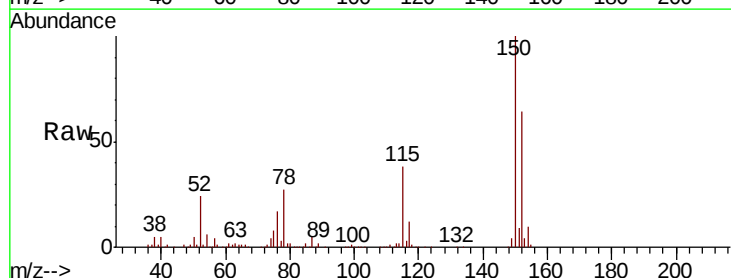
Tgt Ion:152 Resp: 173616

Ion Ratio Lower Upper

152 100

115 59.1 43.0 129.0

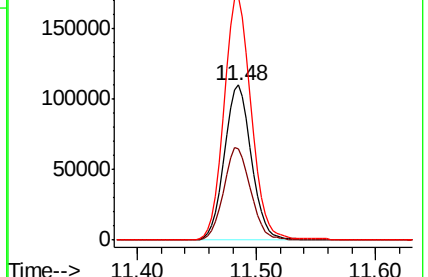
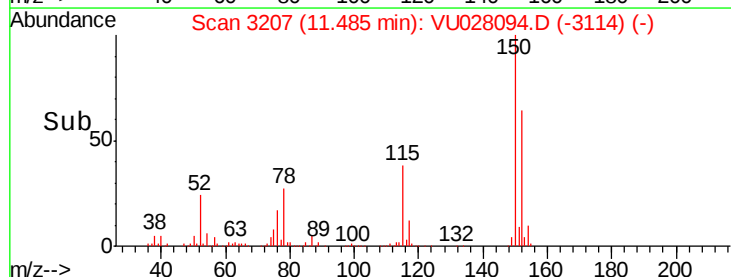
150 158.0 0.0 349.4

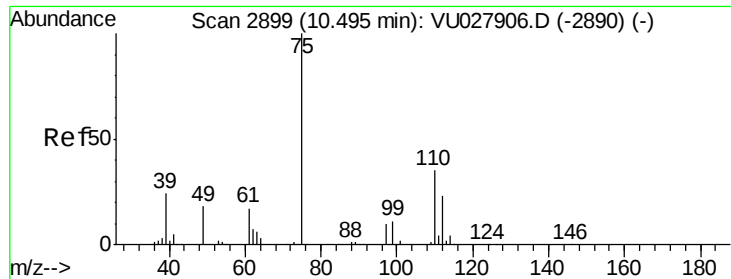


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

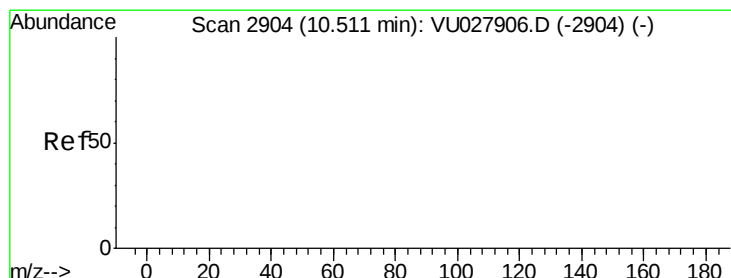
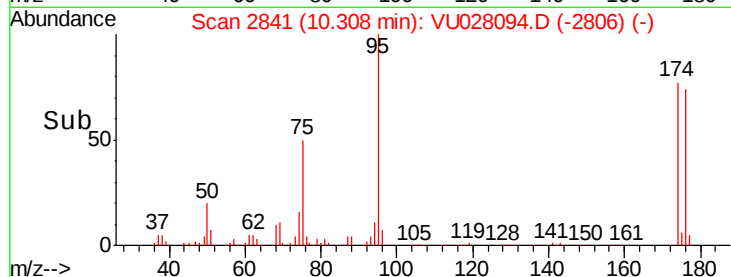
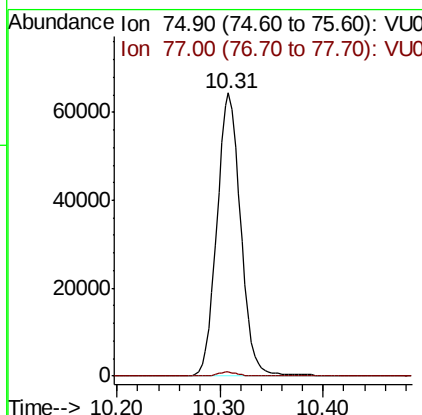
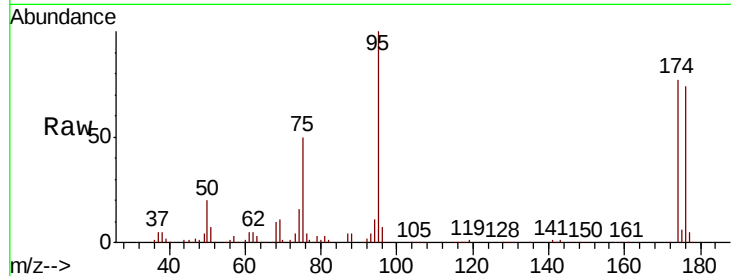




#76
 1,2,3-Trichloropropane
 Concen: 21.733 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU028094.D
 Acq: 13 Nov 2018 16:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 103210
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 64.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.242 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028094.D
 Acq: 13 Nov 2018 16:06

Tgt Ion: 75 Resp: 103210
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

