

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\
 Data File : VU027941.D
 Acq On : 05 Nov 2018 08:50
 Operator : MD/SY
 Sample : VU1105WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBL01

Quant Time: Nov 06 03:20:07 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	198554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	349012	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	307627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	124428	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	154036	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	4.88	113	116399	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
50) Toluene-d8	7.57	98	443827	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	10.31	95	146260	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	

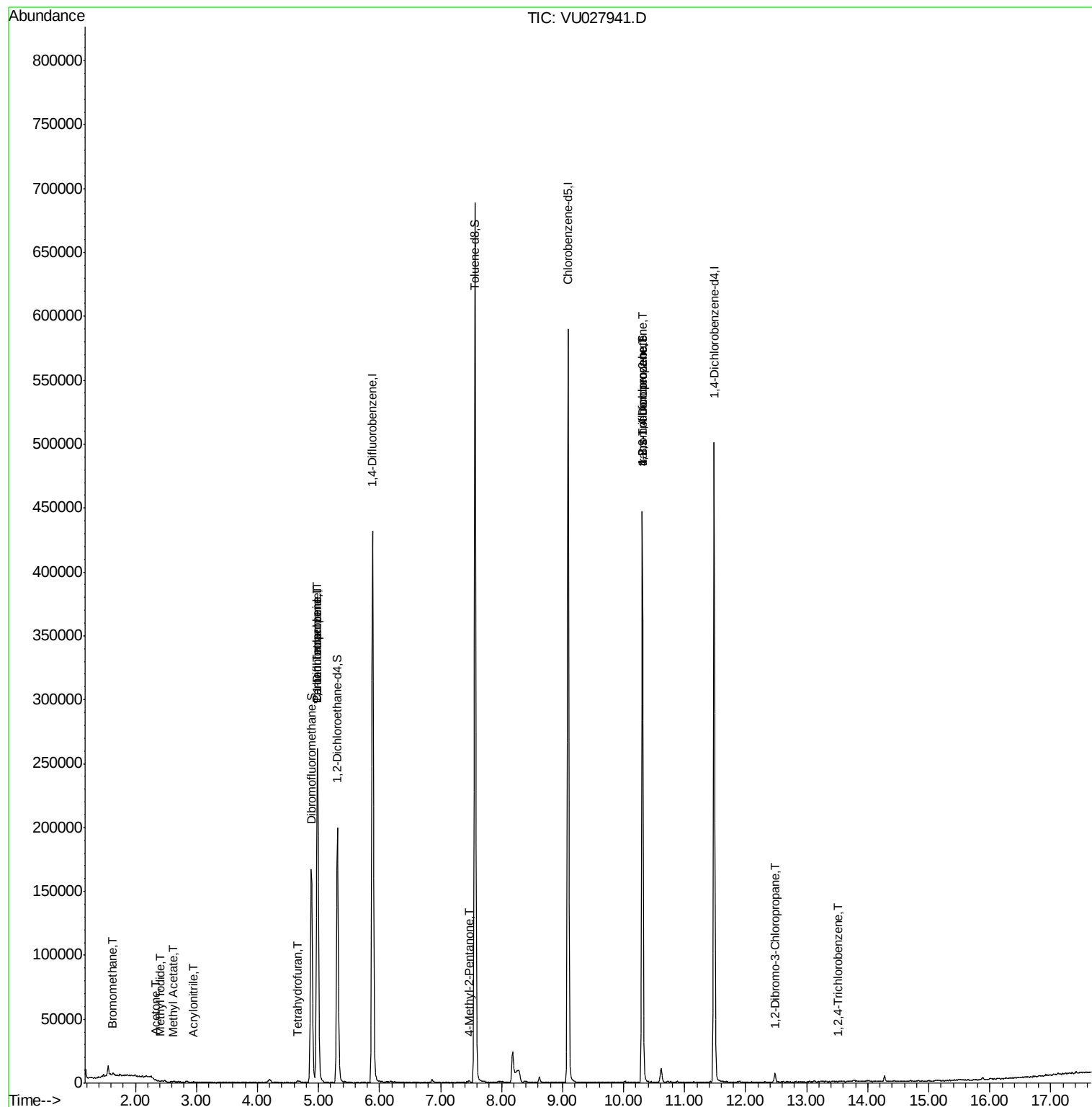
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	364	0.360	ug/l #	62
10) Methyl Iodide	2.41	142	64	7.788	ug/l #	40
13) Acrolein	2.20	56	243	Below Cal	#	23
15) Acrylonitrile	2.95	53	392	0.204	ug/l #	69
16) Acetone	2.32	43	597	0.326	ug/l #	44
18) Methyl Acetate	2.62	43	1221	0.242	ug/l #	66
29) Tetrahydrofuran	4.66	42	790	0.406	ug/l #	61
31) Cyclohexane	4.98	56	4700	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	17071	4.670	ug/l #	51
38) Carbon Tetrachloride	4.98	117	20289	6.263	ug/l #	16
51) 4-Methyl-2-Pentanone	7.47	43	1375	0.245	ug/l #	58
76) 1,2,3-Trichloropropane	10.31	75	76976	22.617	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	76976	56.436	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.47	75	310	0.378	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.53	180	449	0.838	ug/l #	83
95) Naphthalene	13.76	128	1725	Below Cal	#	76

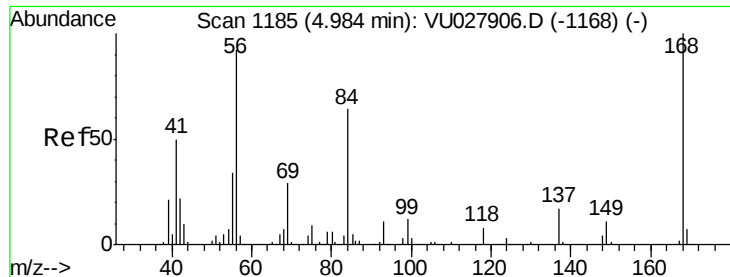
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110518\
Data File : VU027941.D
Acq On : 05 Nov 2018 08:50
Operator : MD/SY
Sample : VU1105WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

Quant Time: Nov 06 03:20:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027941.D

Acq: 05 Nov 2018 08:50

Instrument :

MSVOA_U

ClientSampleId :

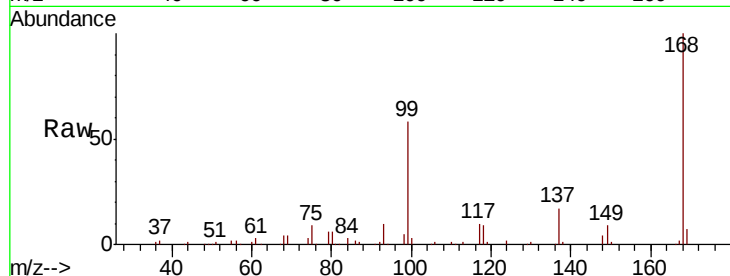
VU1105WBL01

Tot Ion:168 Resp: 198554

Ion Ratio Lower Upper

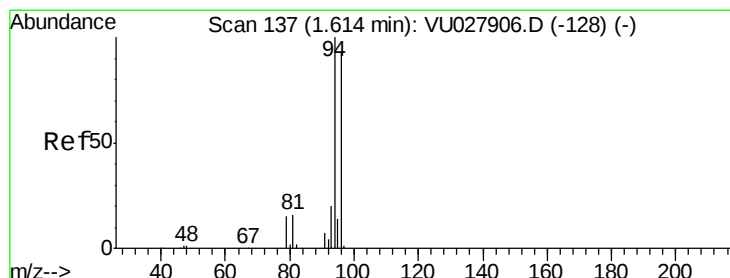
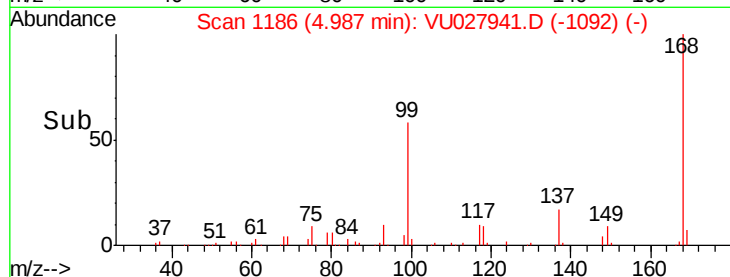
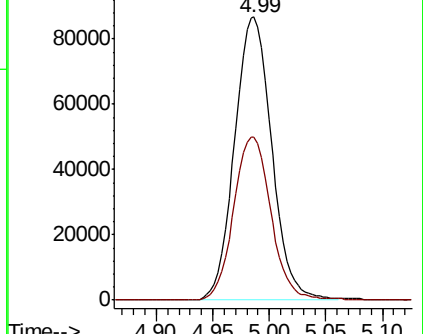
168 100

99 57.6 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027941.D (-1092) (-)



#5

Bromomethane

Concen: 0.360 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027941.D

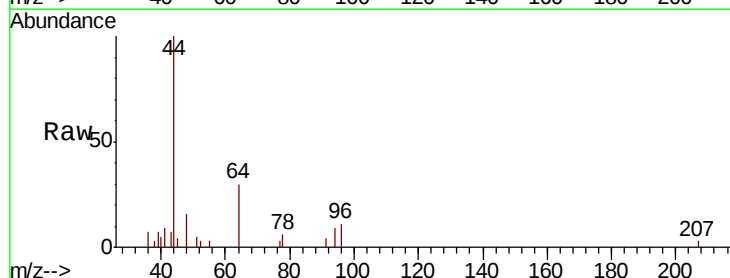
Acq: 05 Nov 2018 08:50

Tgt Ion: 94 Resp: 364

Ion Ratio Lower Upper

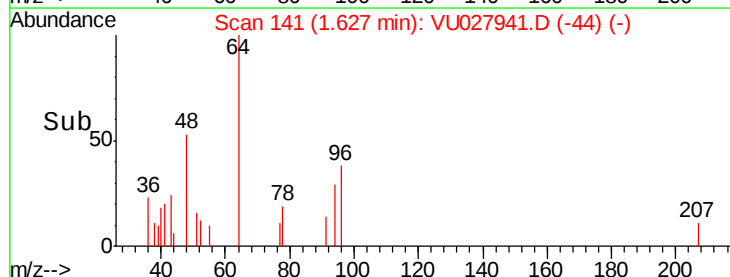
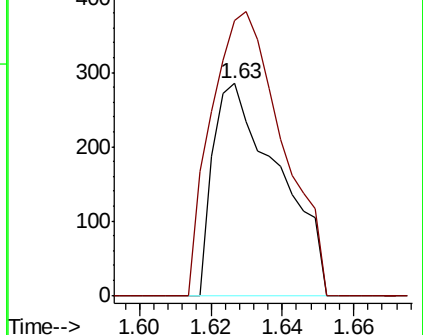
94 100

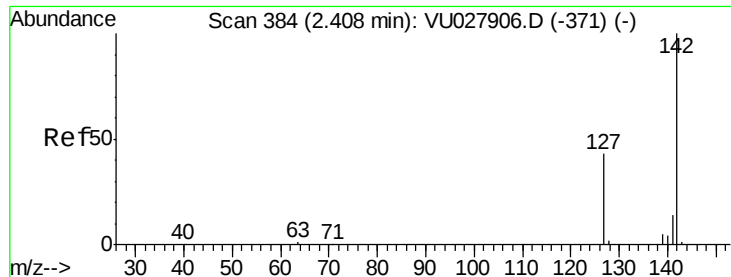
96 129.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027941.D (-1092) (-)

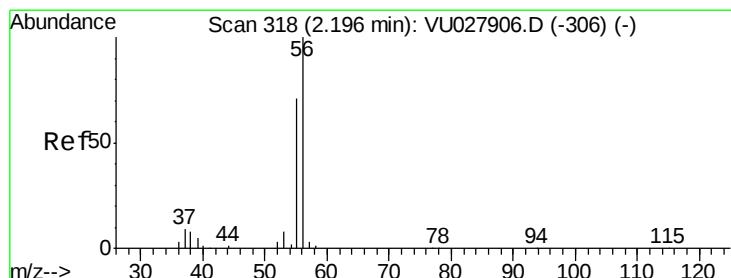
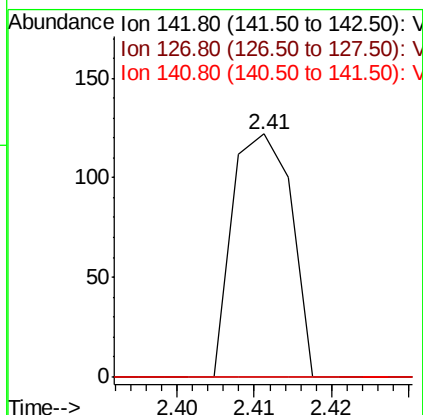
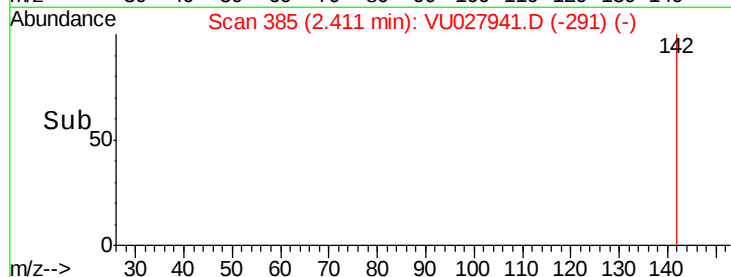
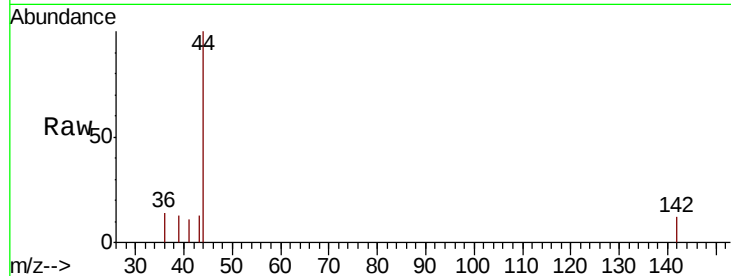




#10
Methyl Iodide
Concen: 7.788 ug/l
RT: 2.41 min Scan# 385
Delta R.T. 0.00 min
Lab File: VU027941.D
Acq: 05 Nov 2018 08:50

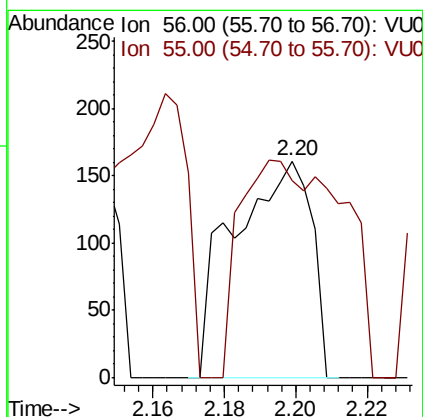
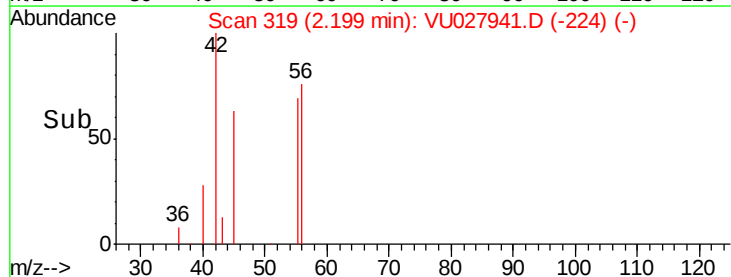
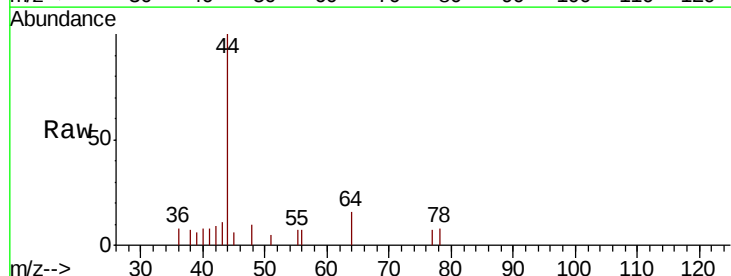
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

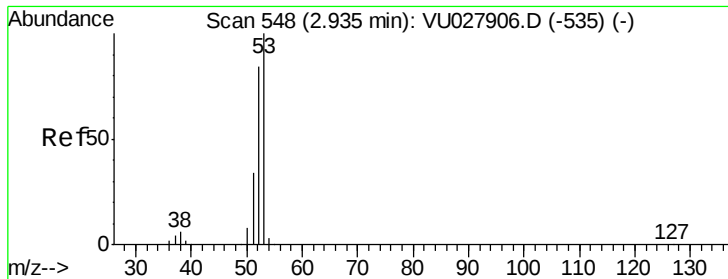
Tot Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 35.2 52.8#
141 0.0 11.8 17.8#



#13
Acrolein
Concen: Below Cal
RT: 2.20 min Scan# 319
Delta R.T. 0.00 min
Lab File: VU027941.D
Acq: 05 Nov 2018 08:50

Tgt Ion: 56 Resp: 243
Ion Ratio Lower Upper
56 100
55 133.3 56.2 84.4#





#15

Acrylonitrile

Concen: 0.204 ug/l

RT: 2.95 min Scan# 552

Delta R.T. 0.01 min

Lab File: VU027941.D

Acq: 05 Nov 2018 08:50

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

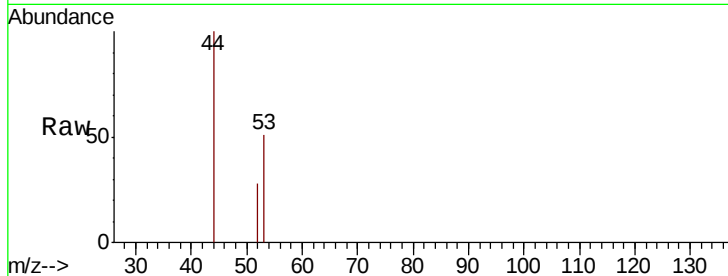
Tot Ion: 53 Resp: 392

Ion Ratio Lower Upper

53 100

52 65.6 66.2 99.2#

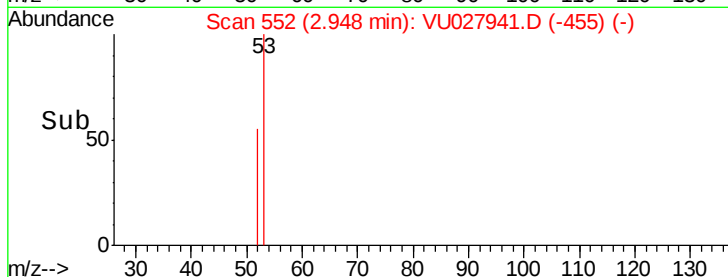
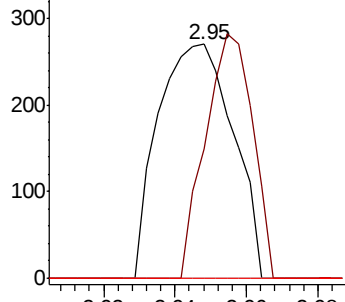
51 0.0 27.0 40.4#



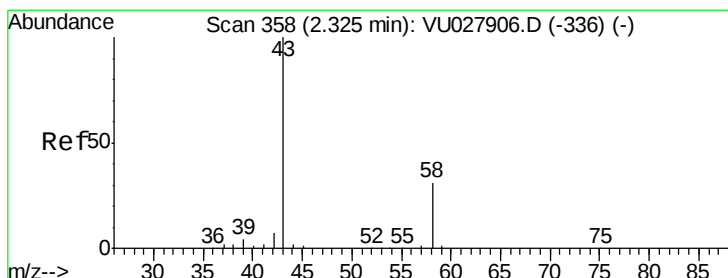
Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



Time-->



#16

Acetone

Concen: 0.326 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027941.D

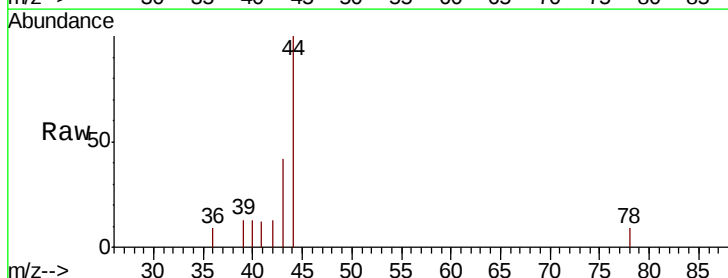
Acq: 05 Nov 2018 08:50

Tgt Ion: 43 Resp: 597

Ion Ratio Lower Upper

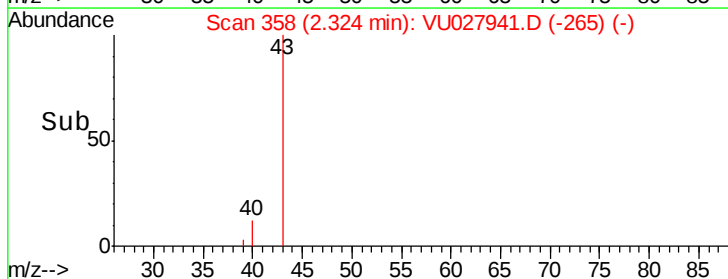
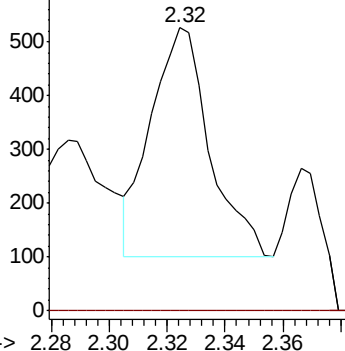
43 100

58 0.0 24.6 37.0#

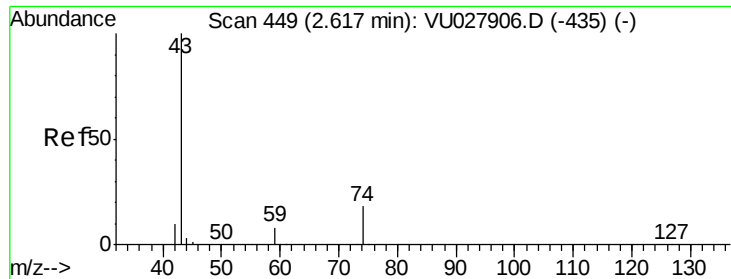


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



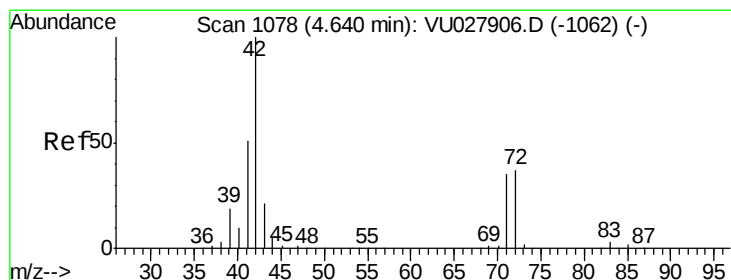
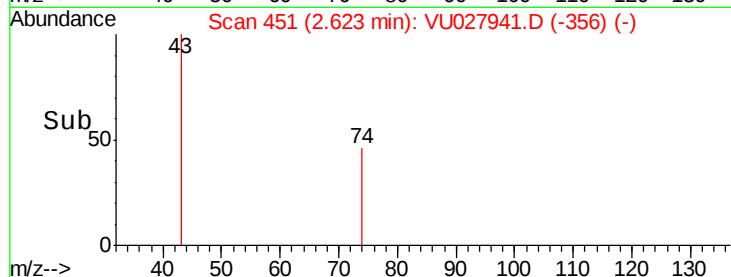
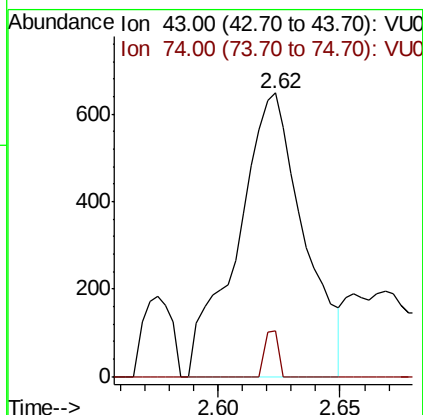
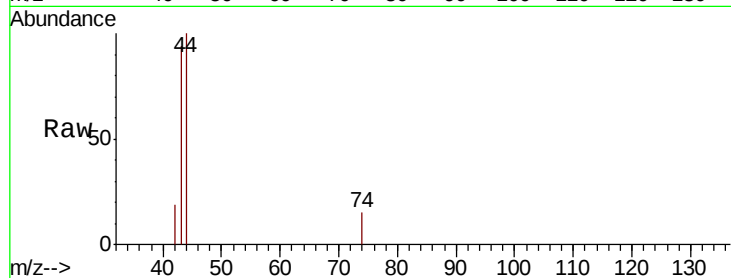
Time-->



#18
Methyl Acetate
Concen: 0.242 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027941.D
Acq: 05 Nov 2018 08:50

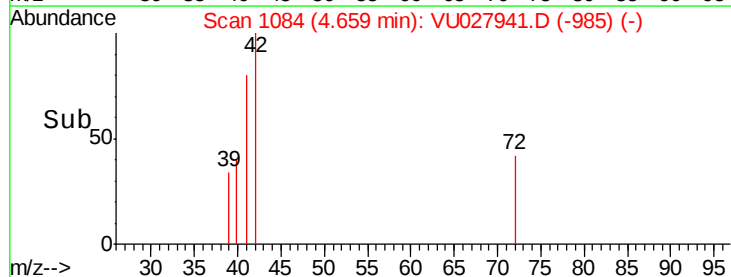
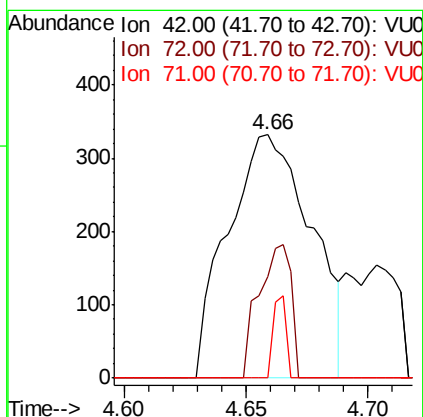
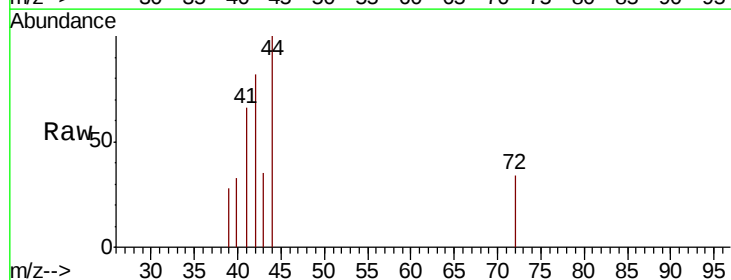
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

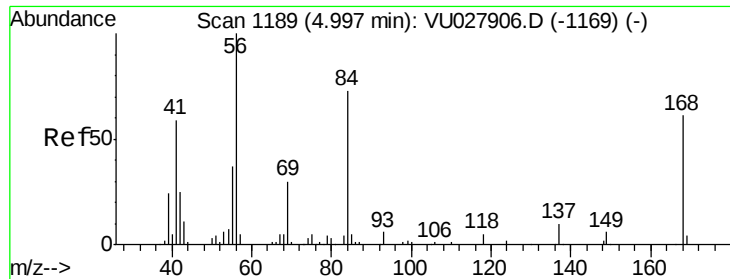
Tot Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
74 3.2 14.9 22.3#



#29
Tetrahydrofuran
Concen: 0.406 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VU027941.D
Acq: 05 Nov 2018 08:50

Tgt Ion: 42 Resp: 790
Ion Ratio Lower Upper
42 100
72 21.0 29.4 44.0#
71 5.2 27.9 41.9#

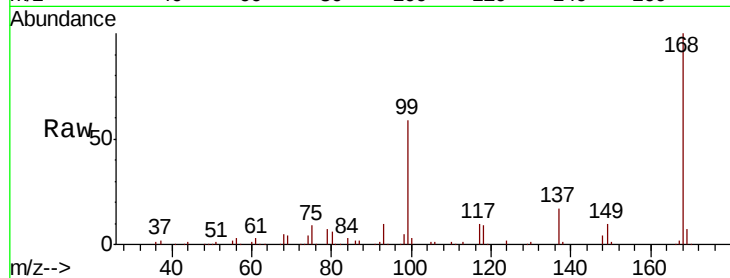




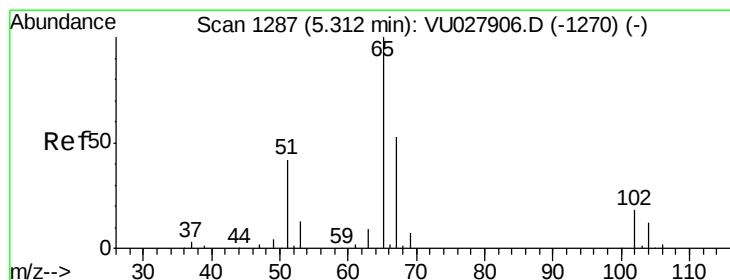
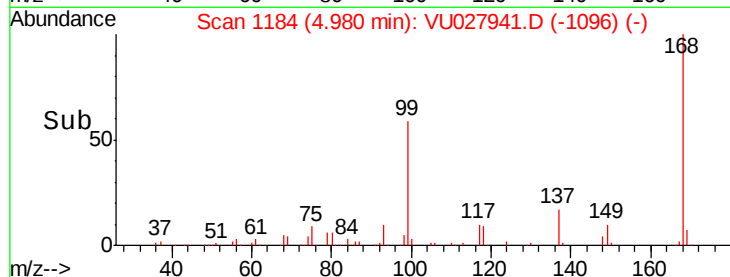
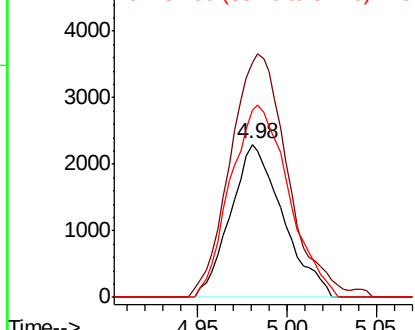
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU027941.D
Acq: 05 Nov 2018 08:50

Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

Tot Ion: 56 Resp: 4700
Ion Ratio Lower Upper
56 100
69 153.5 23.7 35.5#
84 122.2 58.2 87.4#

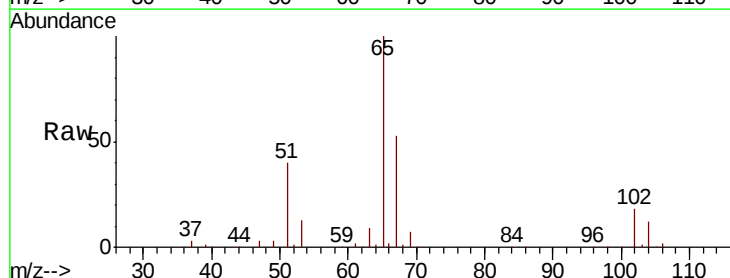


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

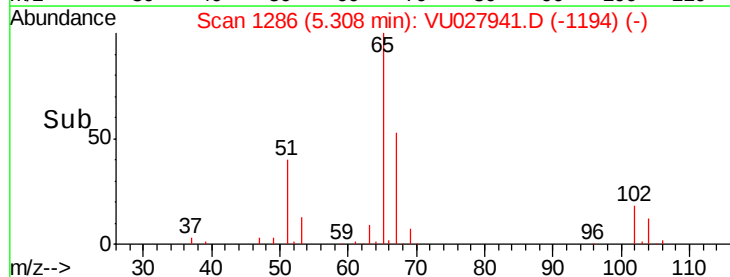
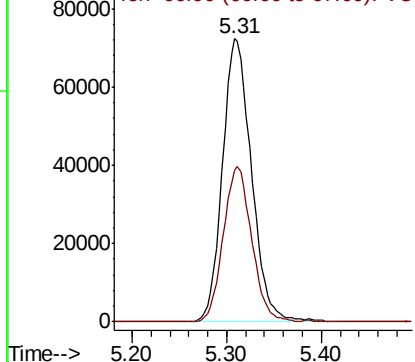


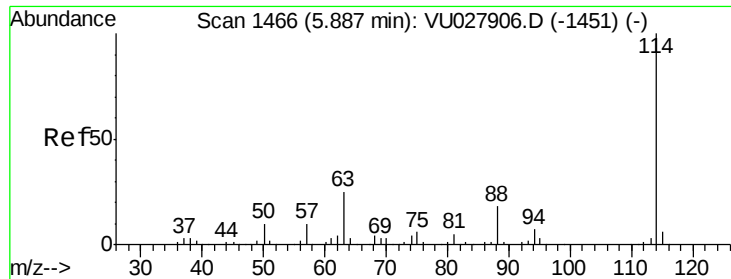
#33
1,2-Dichloroethane-d4
Concen: 52.180 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU027941.D
Acq: 05 Nov 2018 08:50

Tgt Ion: 65 Resp: 154036
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0



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

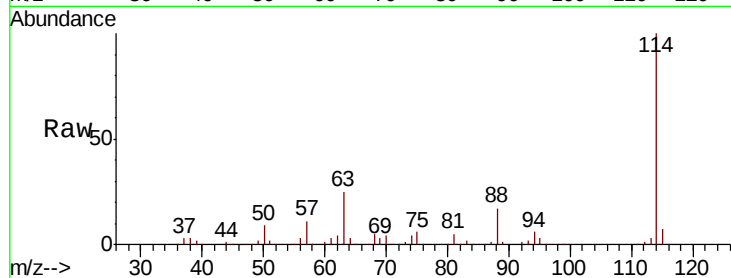




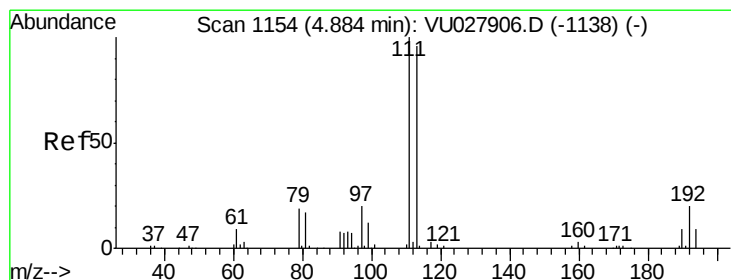
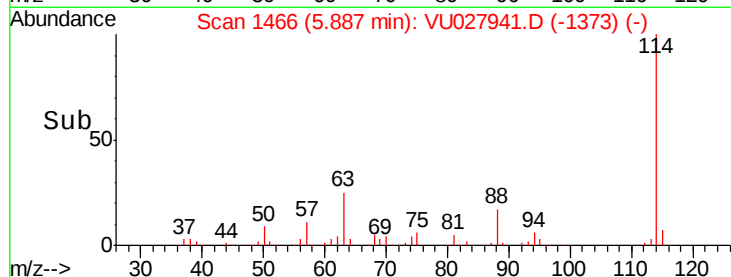
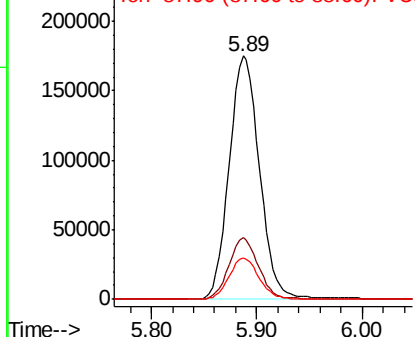
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027941.D
 Acq: 05 Nov 2018 08:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBL01

Tot Ion:114 Resp: 349012
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 50.8
 88 16.9 0.0 35.8

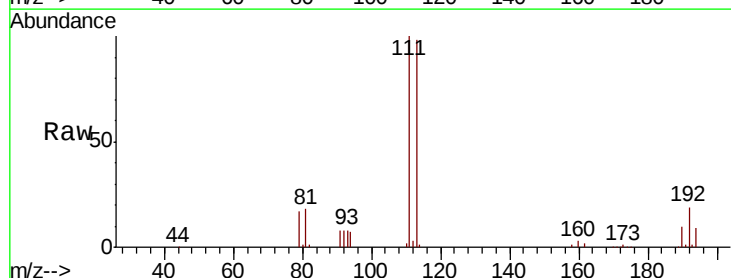


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

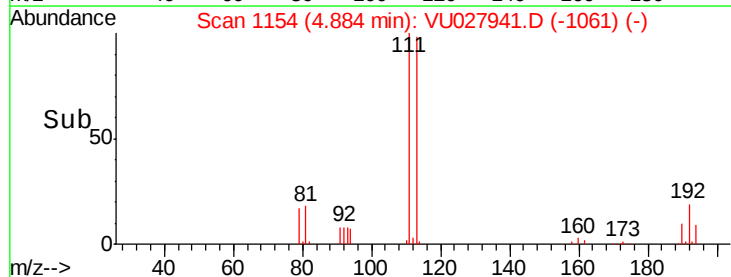
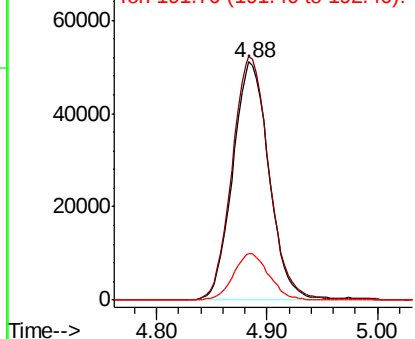


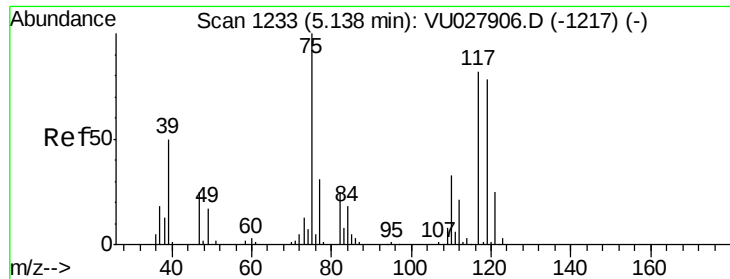
#35
 Dibromofluoromethane
 Concen: 52.895 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027941.D
 Acq: 05 Nov 2018 08:50

Tgt Ion:113 Resp: 116399
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.0 124.6
 192 19.3 15.6 23.4



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: 4.670 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027941.D

Acq: 05 Nov 2018 08:50

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

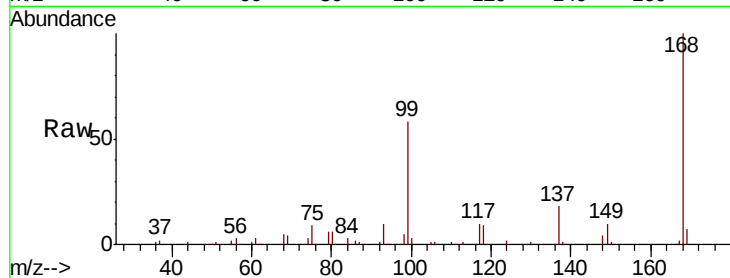
Tot Ion: 75 Resp: 17071

Ion Ratio Lower Upper

75 100

110 8.8 16.5 49.5#

77 0.0 24.9 37.3#

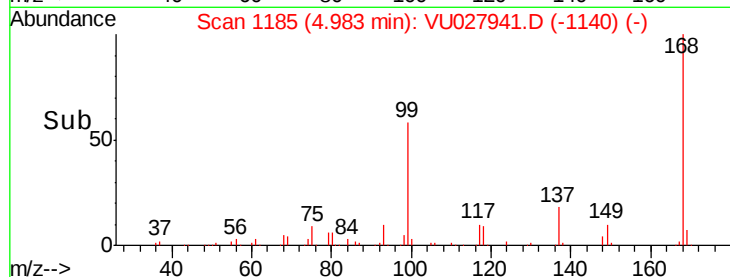


Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1217) (-)

Ion 109.90 (109.60 to 110.60): VU027906.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1217) (-)

Time-->



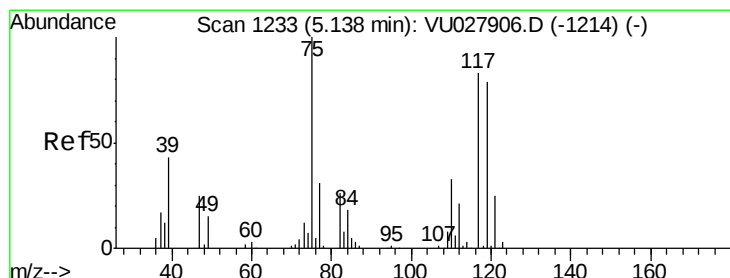
Abundance

Ion 74.90 (74.60 to 75.60): VU027906.D (-1217) (-)

Ion 109.90 (109.60 to 110.60): VU027906.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1217) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.263 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027941.D

Acq: 05 Nov 2018 08:50

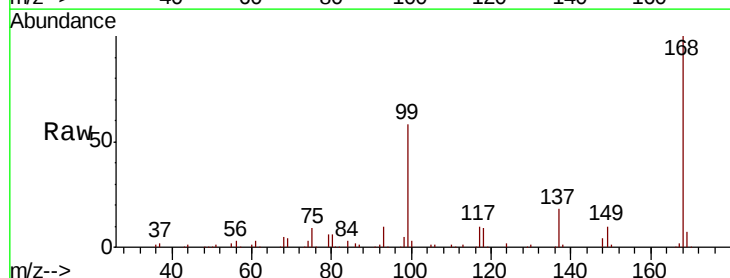
Tgt Ion: 117 Resp: 20289

Ion Ratio Lower Upper

117 100

119 4.6 76.0 114.0#

121 0.0 24.5 36.7#

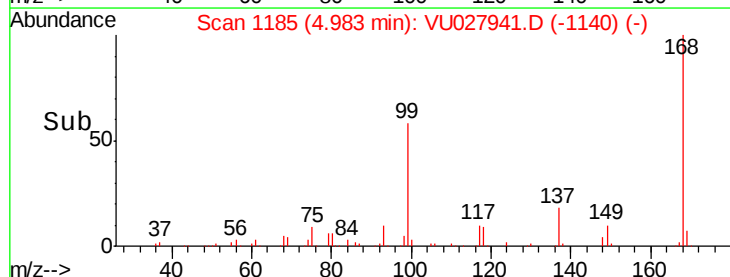


Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)

Time-->



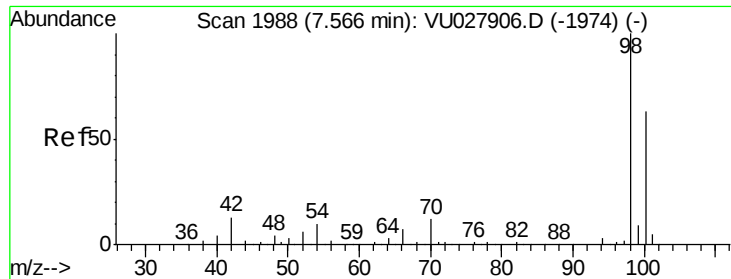
Abundance

Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)

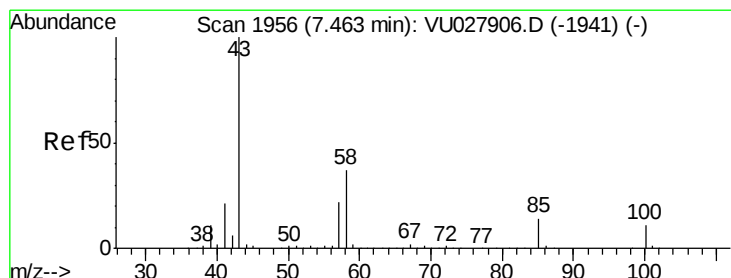
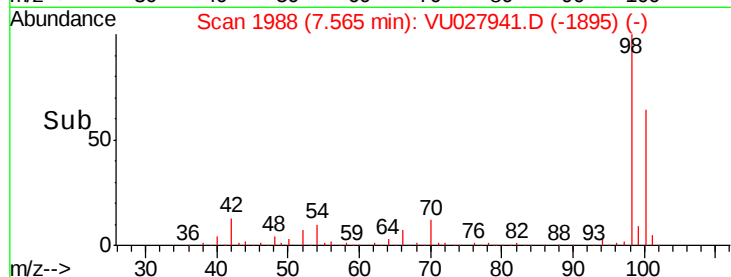
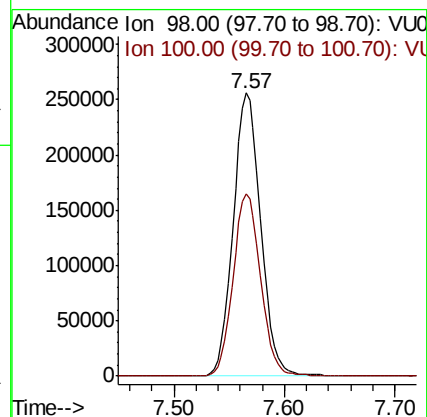
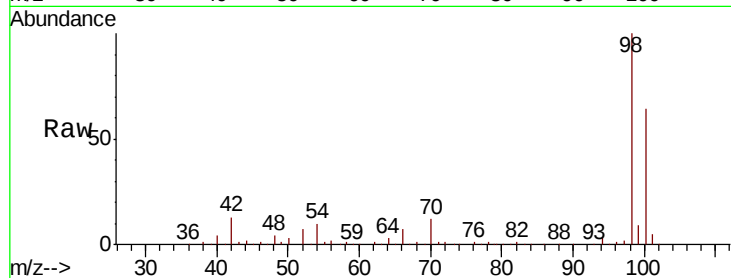
Time-->



#50
Toluene-d8
Concen: 52.211 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027941.D
Acq: 05 Nov 2018 08:50

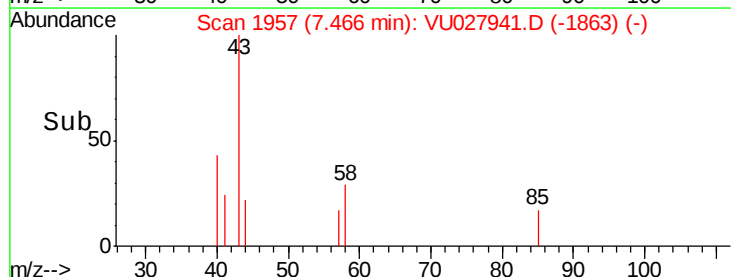
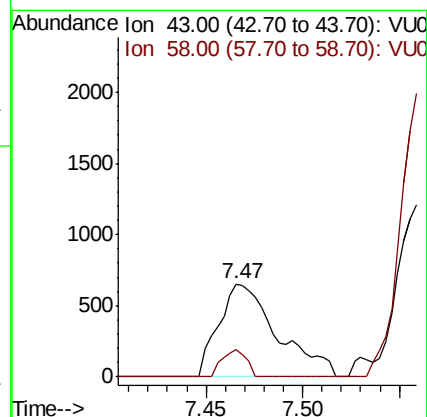
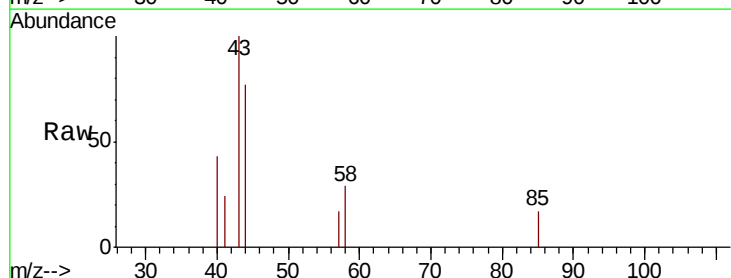
Instrument :
MSVOA_U
ClientSampleId :
VU1105WBL01

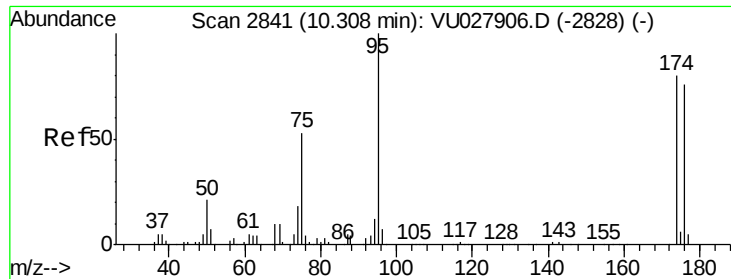
Tot Ion: 98 Resp: 443827
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 0.245 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027941.D
Acq: 05 Nov 2018 08:50

Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
58 12.1 29.5 44.3#

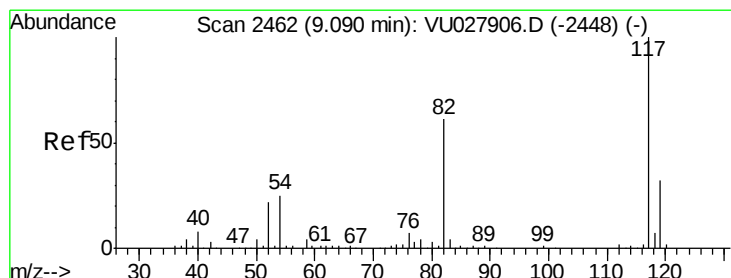
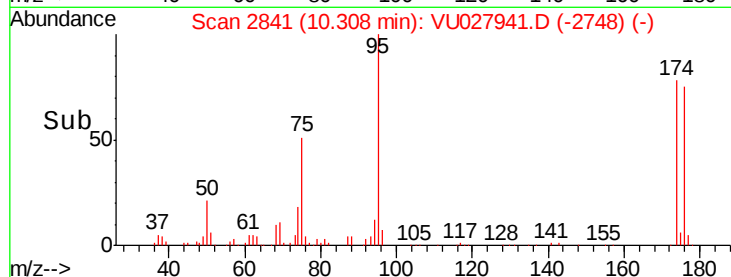
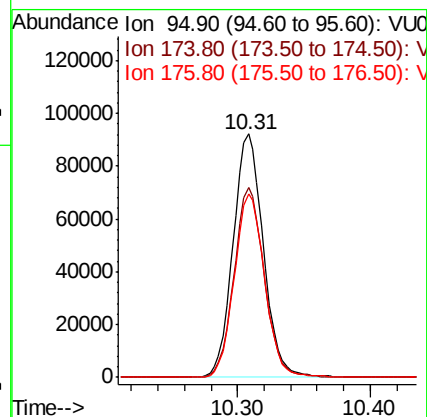
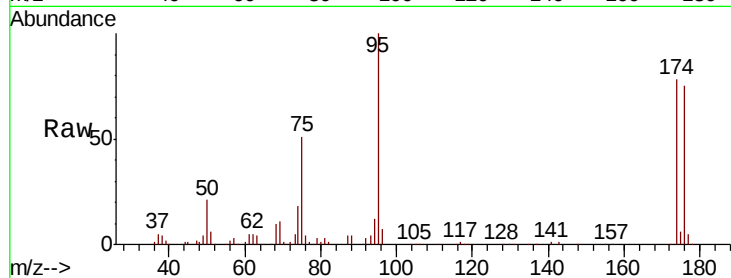




#62
 4-Bromofluorobenzene
 Concen: 46.648 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027941.D
 Acq: 05 Nov 2018 08:50

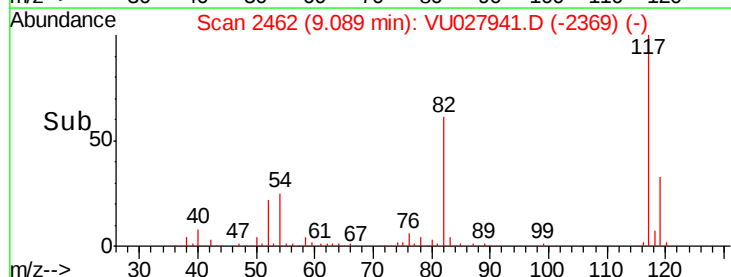
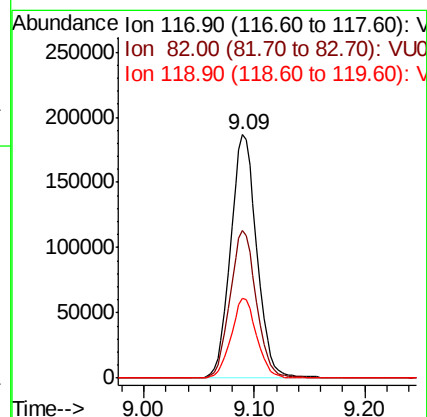
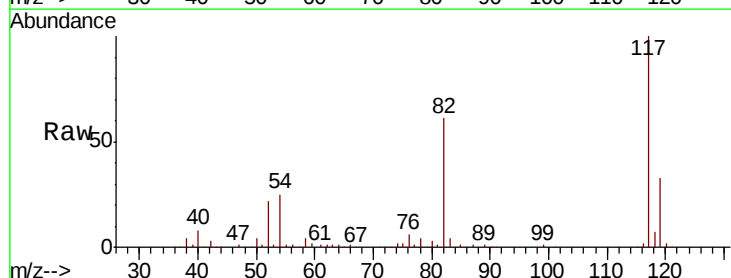
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBL01

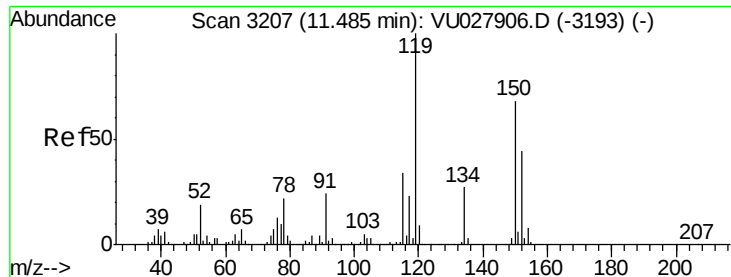
Tot Ion: 95 Resp: 146260
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 156.4
 176 75.6 0.0 150.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027941.D
 Acq: 05 Nov 2018 08:50

Tgt Ion: 117 Resp: 307627
 Ion Ratio Lower Upper
 117 100
 82 60.5 48.6 73.0
 119 33.0 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027941.D

Acq: 05 Nov 2018 08:50

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

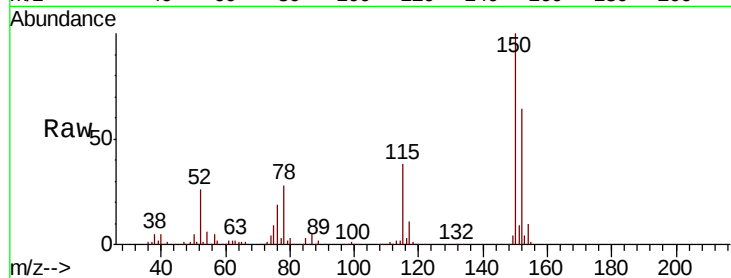
Tot Ion:152 Resp: 124428

Ion Ratio Lower Upper

152 100

115 59.0 43.0 129.0

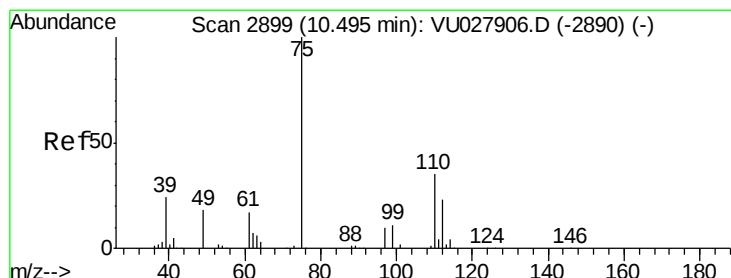
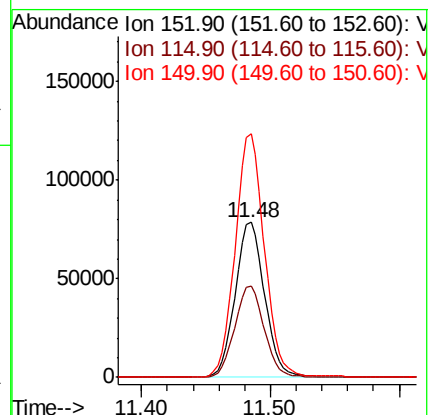
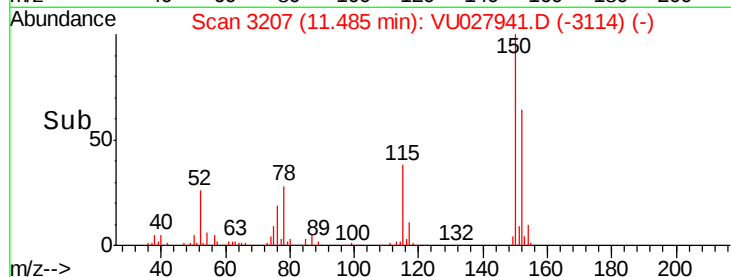
150 156.4 0.0 349.4



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: 22.617 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027941.D

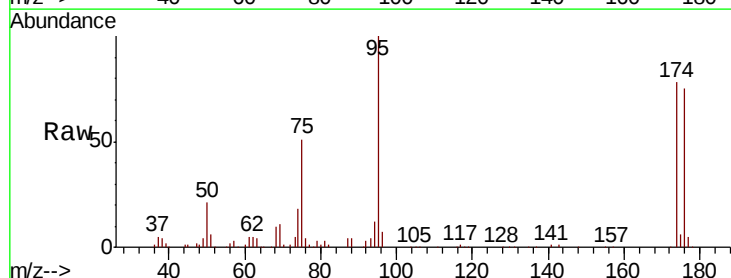
Acq: 05 Nov 2018 08:50

Tgt Ion: 75 Resp: 76976

Ion Ratio Lower Upper

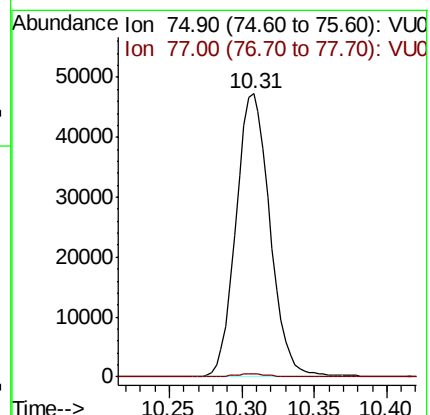
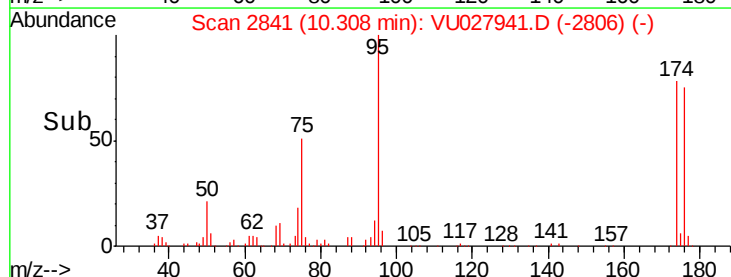
75 100

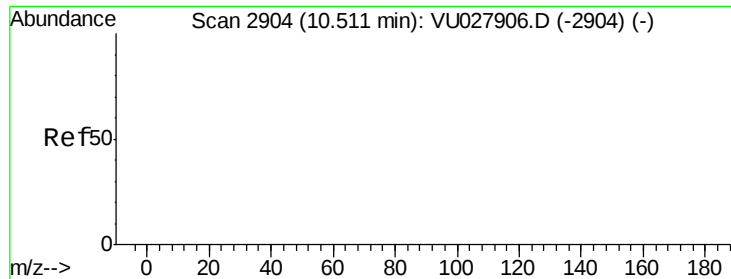
77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.436 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027941.D

Acq: 05 Nov 2018 08:50

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

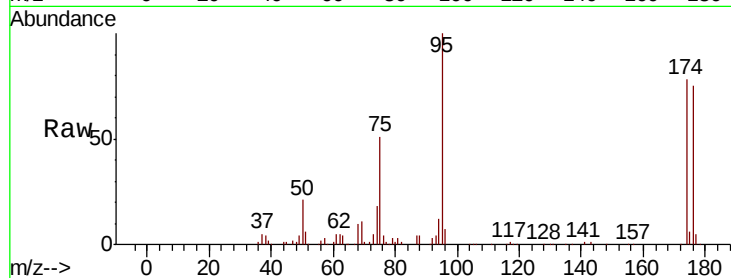
Tot Ion: 75 Resp: 76976

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

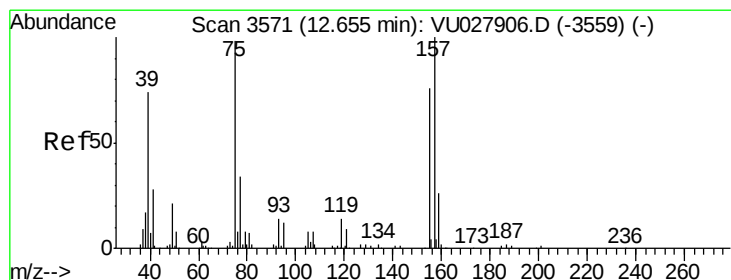
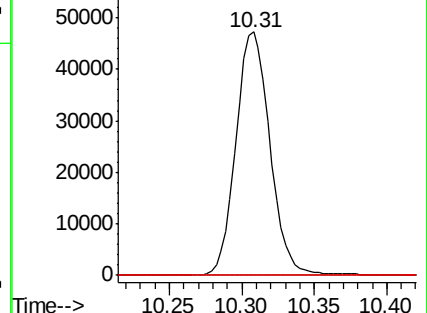
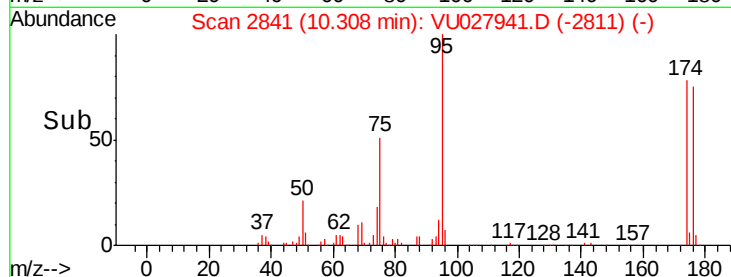
89 0.0 0.0 0.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.378 ug/l

RT: 12.47 min Scan# 3513

Delta R.T. -0.19 min

Lab File: VU027941.D

Acq: 05 Nov 2018 08:50

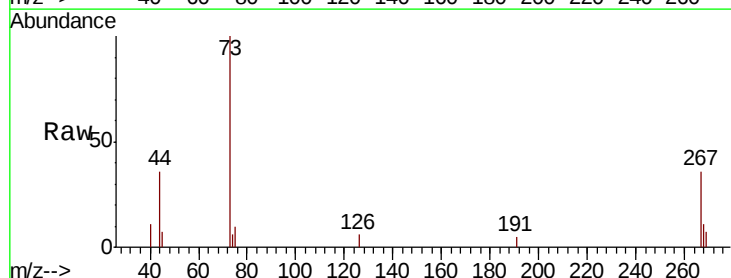
Tgt Ion: 75 Resp: 310

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

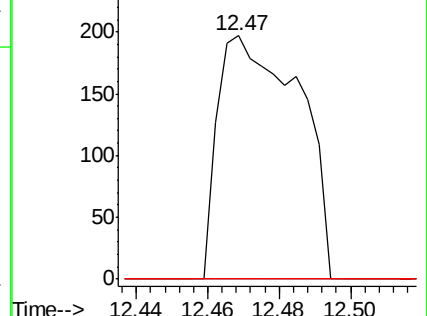
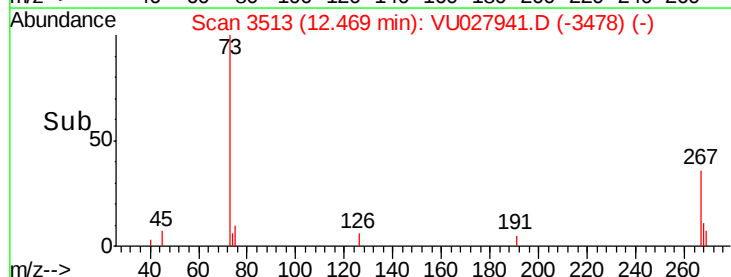
157 0.0 50.6 151.9#

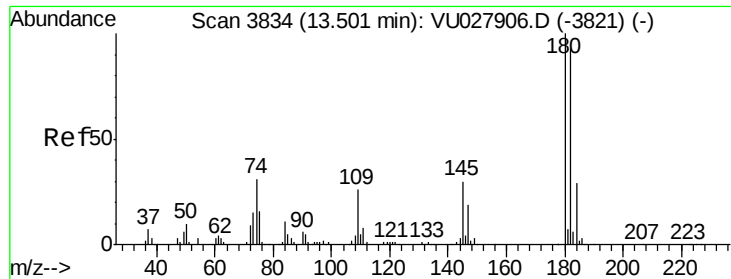


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.838 ug/l

RT: 13.53 min Scan# 3842

Delta R.T. 0.03 min

Lab File: VU027941.D

Acq: 05 Nov 2018 08:50

Instrument :

MSVOA_U

ClientSampleId :

VU1105WBL01

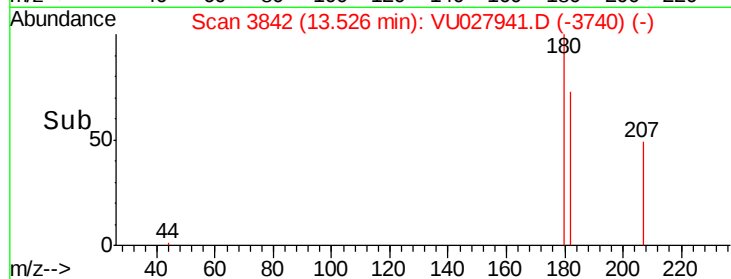
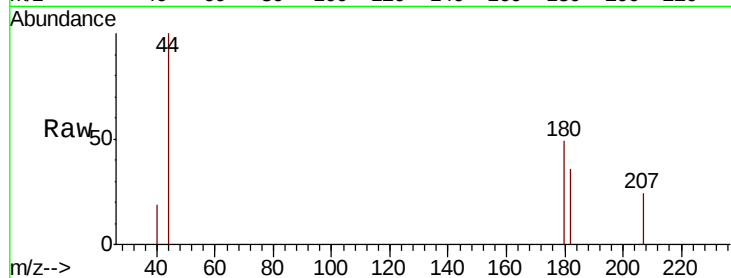
Tot Ion:180 Resp: 449

Ion Ratio Lower Upper

180 100

182 86.0 48.4 145.2

145 10.0 14.9 44.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

