

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027927.D
 Acq On : 02 Nov 2018 15:38
 Operator : MD/SY
 Sample : J5741-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-3

Quant Time: Nov 03 04:23:19 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	189864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	341765	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	298107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	124509	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	148762	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
35) Dibromofluoromethane	4.88	113	110588	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	7.57	98	430995	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	10.31	95	142762	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

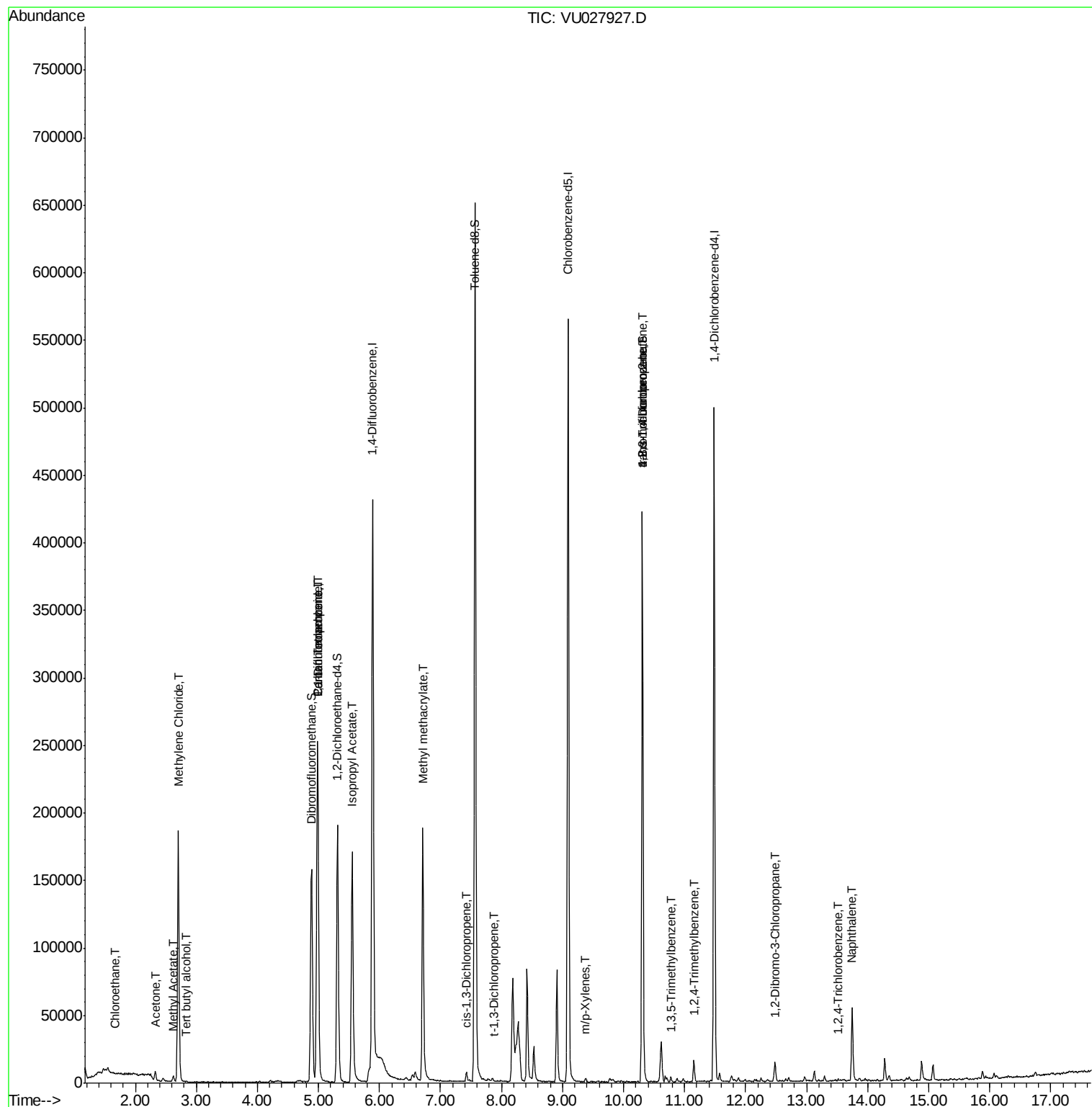
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	423	0.253	ug/l #	42
11) Tert butyl alcohol	2.83	59	466	0.624	ug/l #	73
13) Acrolein	2.19	56	111	Below Cal	#	1
16) Acetone	2.33	43	6338	3.619	ug/l	94
18) Methyl Acetate	2.62	43	5822	1.208	ug/l	94
20) Methylene Chloride	2.70	84	75873	29.671	ug/l	98
31) Cyclohexane	4.99	56	4043	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16270	4.545	ug/l #	49
38) Carbon Tetrachloride	4.98	117	19748	6.226	ug/l #	16
43) Isopropyl Acetate	5.55	43	203446	24.760	ug/l	99
48) Methyl methacrylate	6.71	41	16978	4.216	ug/l #	46
53) t-1,3-Dichloropropene	7.89	75	41	1.127	ug/l #	43
54) cis-1,3-Dichloropropene	7.42	75	1072	0.249	ug/l #	55
68) m/p-Xylenes	9.39	106	845	0.201	ug/l	84
76) 1,2,3-Trichloropropane	10.31	75	73311	21.526	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	2328	0.291	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.31	75	73311	53.726	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	9036	1.123	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.48	75	444	0.542	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.51	180	202	0.754	ug/l #	12
95) Naphthalene	13.75	128	45488	4.288	ug/l	99

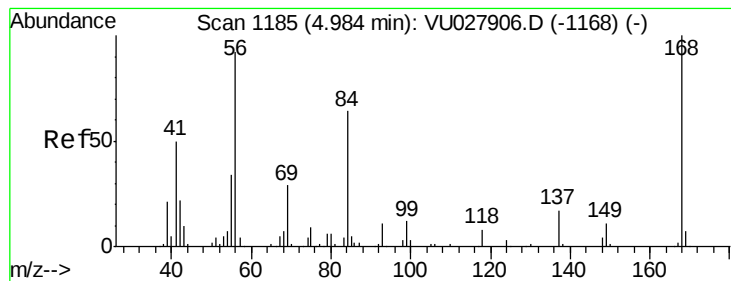
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110218\
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QLast Update : Fri Nov 02 02:28:20 2018
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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: VU027927.D

Acq: 02 Nov 2018 15:38

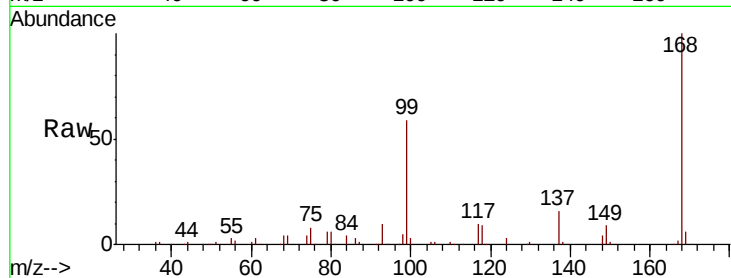
Instrument :
MSVOA_U
ClientSampleId :
TP-3

Tot Ion:168 Resp: 189864

Ion Ratio Lower Upper

168 100

99 59.4 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027927.D (-1092) (-)

4.99

80000

60000

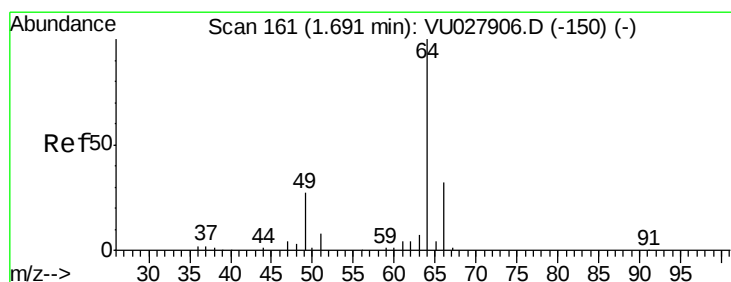
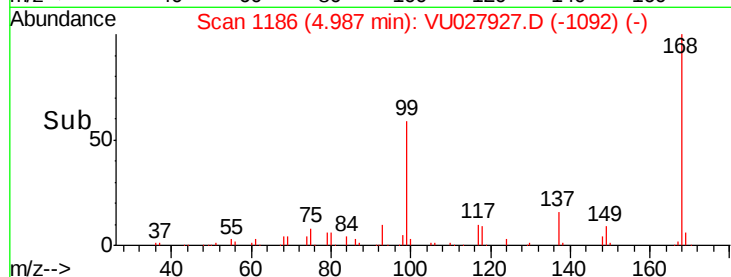
40000

20000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: 0.253 ug/l

RT: 1.68 min Scan# 157

Delta R.T. -0.01 min

Lab File: VU027927.D

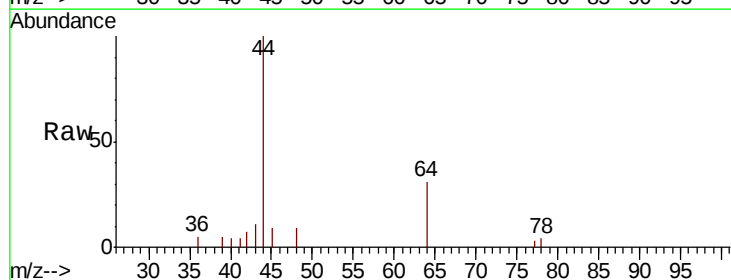
Acq: 02 Nov 2018 15:38

Tgt Ion: 64 Resp: 423

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU027927.D (-68) (-)

1.68

1200

1000

800

600

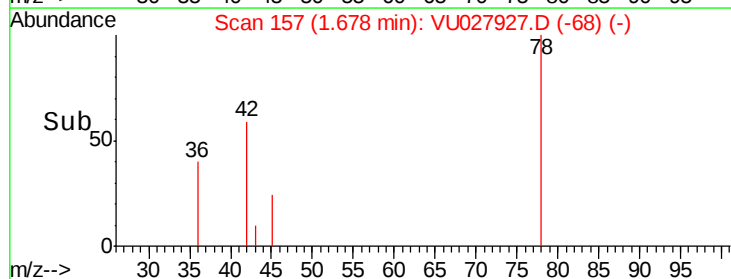
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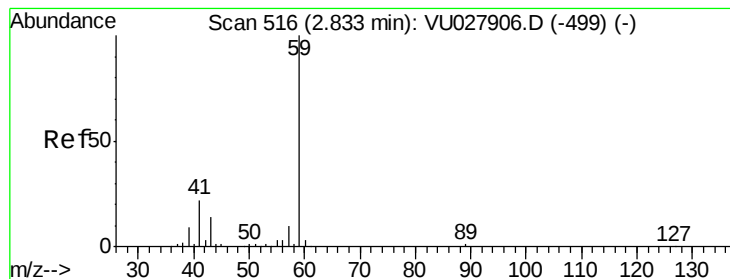
200

0

1.66 1.68 1.70

Time-->



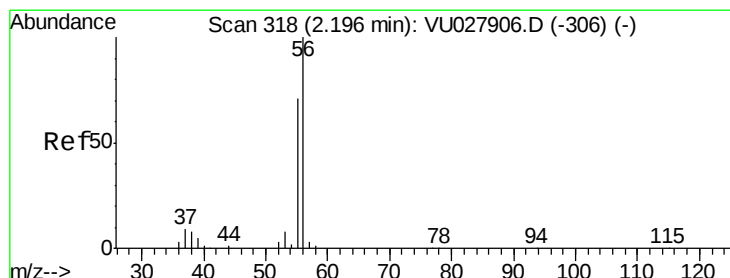
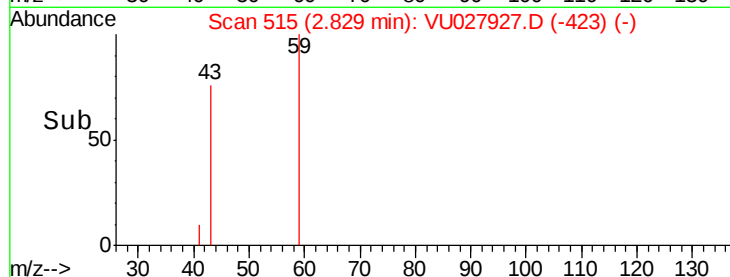
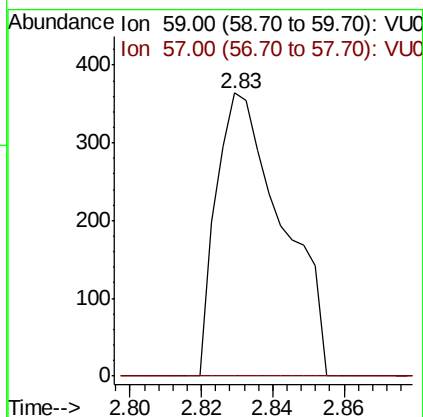
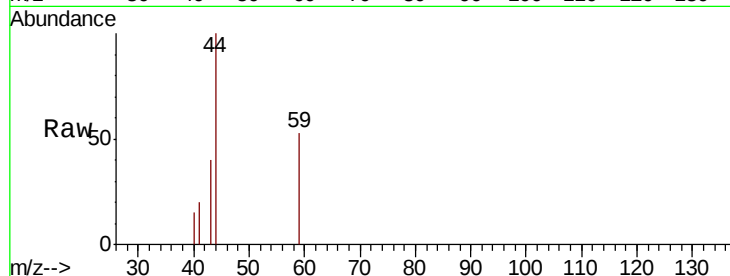


#11

Tert butyl alcohol
 Concen: 0.624 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027927.D
 Acq: 02 Nov 2018 15:38

Instrument :
 MSVOA_U
 ClientSampled :
 TP-3

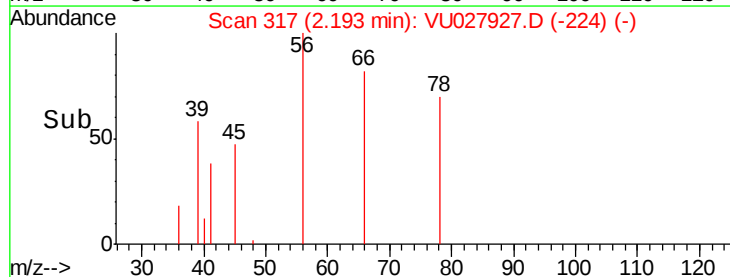
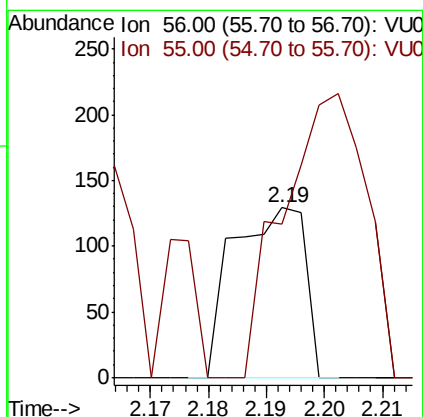
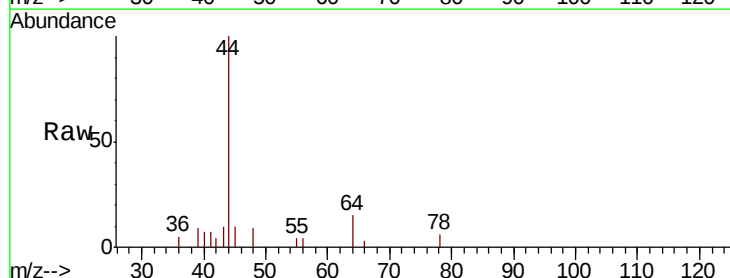
Tot Ion: 59 Resp: 466
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

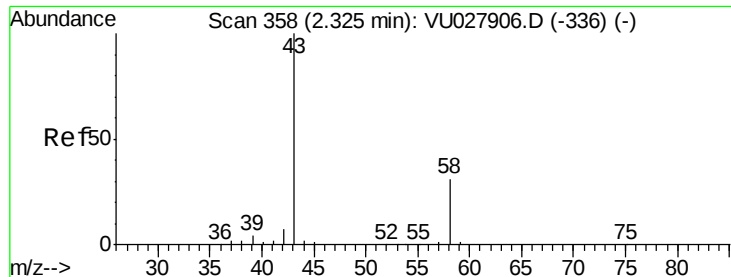


#13

Acrolein
 Concen: Below Cal
 RT: 2.19 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VU027927.D
 Acq: 02 Nov 2018 15:38

Tgt Ion: 56 Resp: 111
 Ion Ratio Lower Upper
 56 100
 55 193.7 56.2 84.4#





#16

Acetone

Concen: 3.619 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

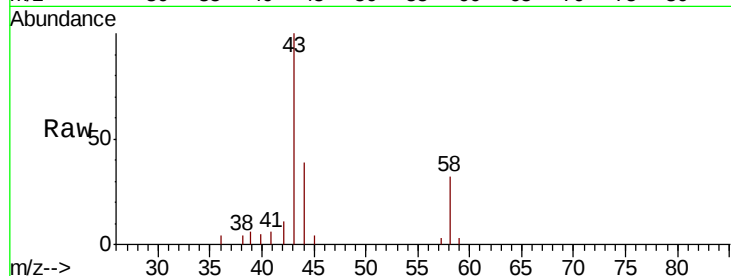
TP-3

Tot Ion: 43 Resp: 6338

Ion Ratio Lower Upper

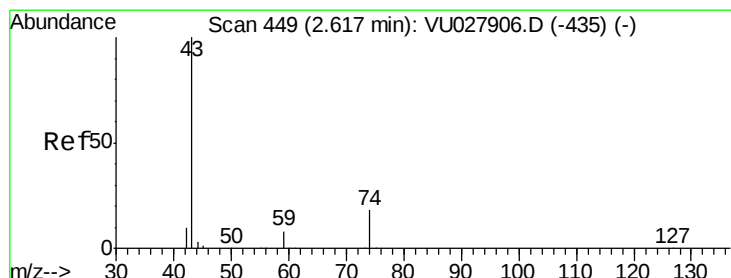
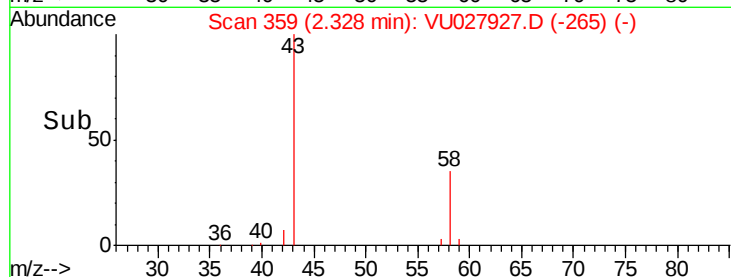
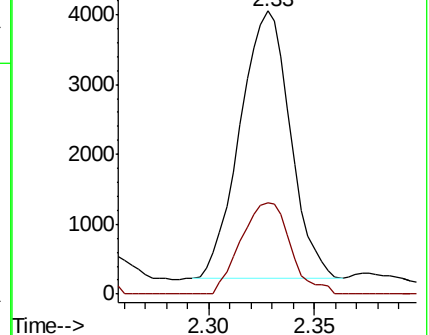
43 100

58 34.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-336) (-)



#18

Methyl Acetate

Concen: 1.208 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027927.D

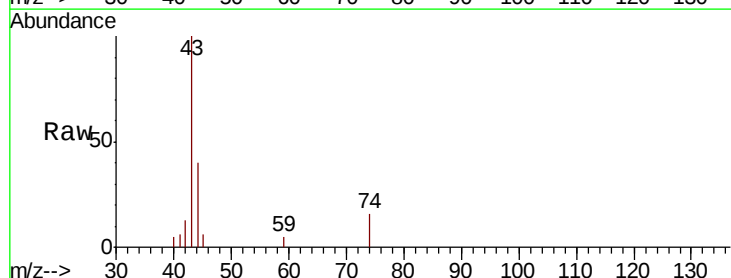
Acq: 02 Nov 2018 15:38

Tgt Ion: 43 Resp: 5822

Ion Ratio Lower Upper

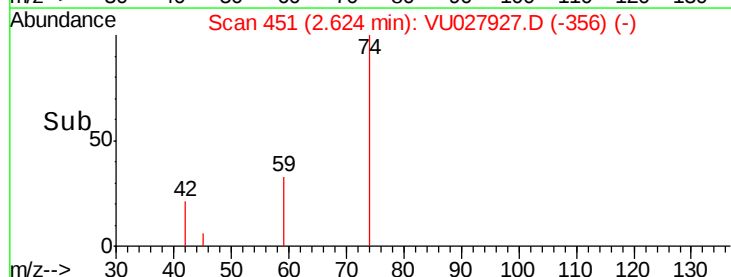
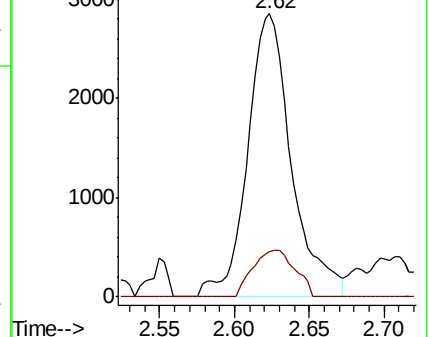
43 100

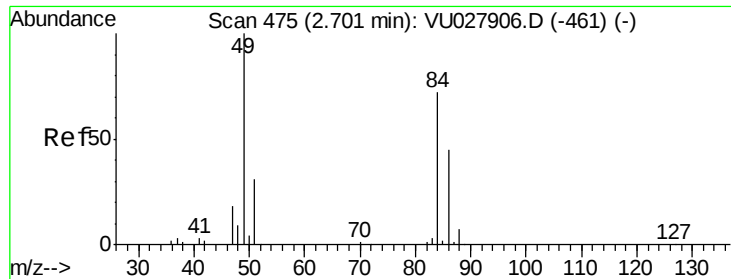
74 15.8 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU027906.D (-435) (-)

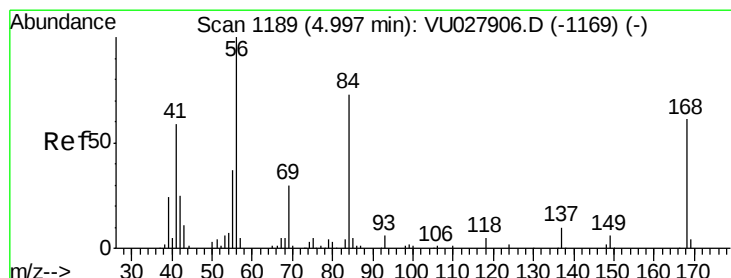
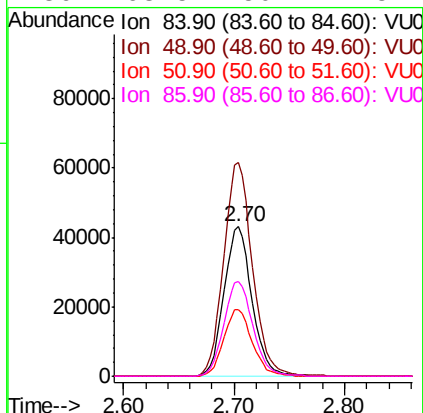
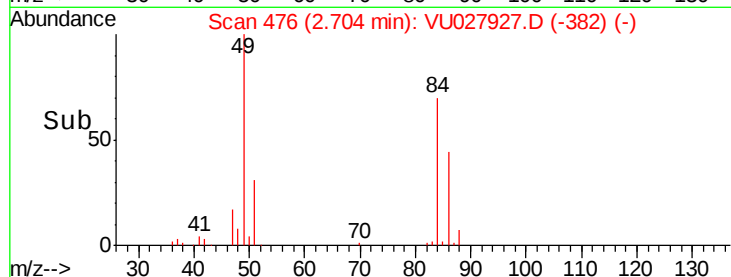
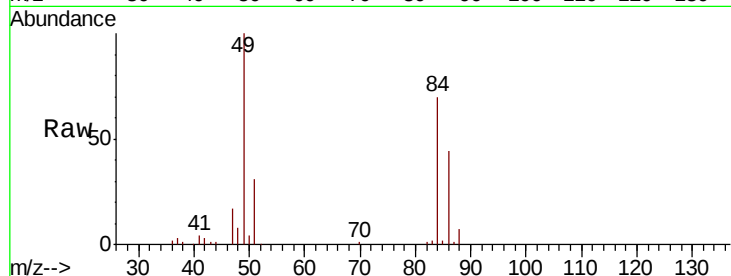




#20
Methylene Chloride
Concen: 29.671 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027927.D
Acq: 02 Nov 2018 15:38

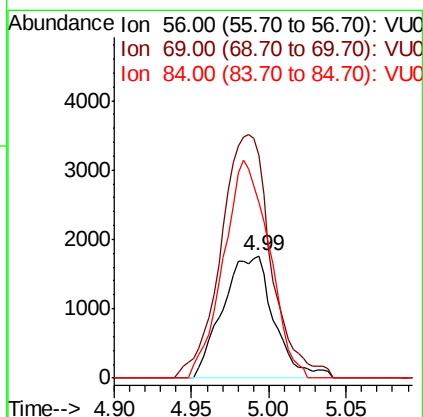
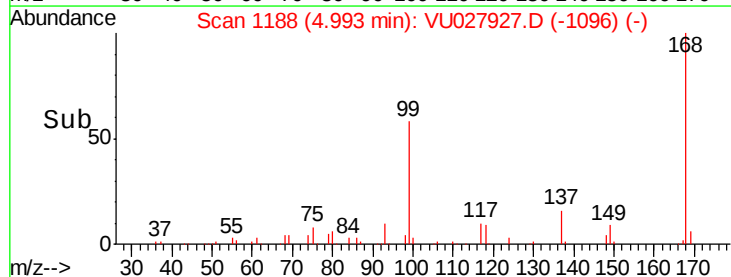
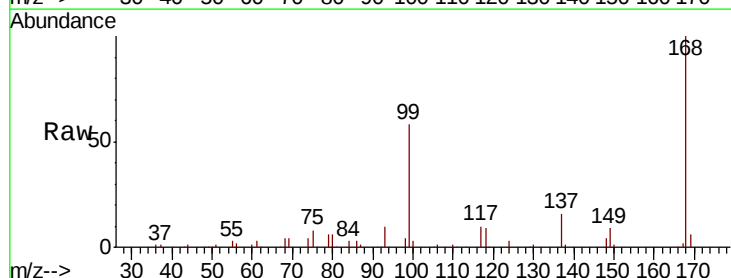
Instrument :
MSVOA_U
ClientSampleId :
TP-3

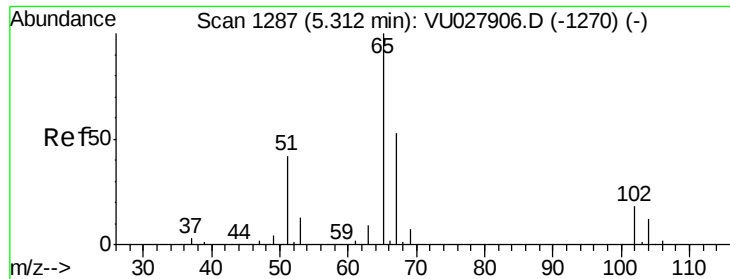
Tot Ion:	84	Resp:	75873
Ion	Ratio	Lower	Upper
84	100		
49	143.1	111.6	167.4
51	44.9	34.8	52.2
86	63.5	50.1	75.1



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU027927.D
Acq: 02 Nov 2018 15:38

Tgt Ion:	56	Resp:	4043
Ion	Ratio	Lower	Upper
56	100		
69	182.1	23.7	35.5#
84	143.3	58.2	87.4#

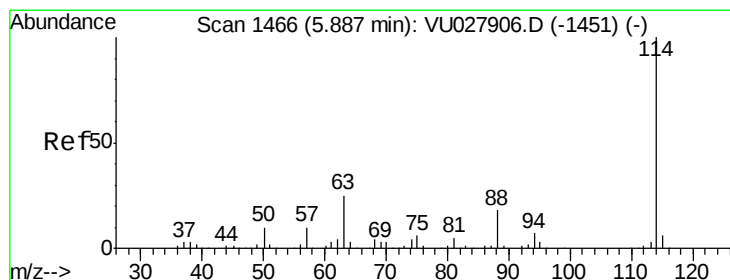
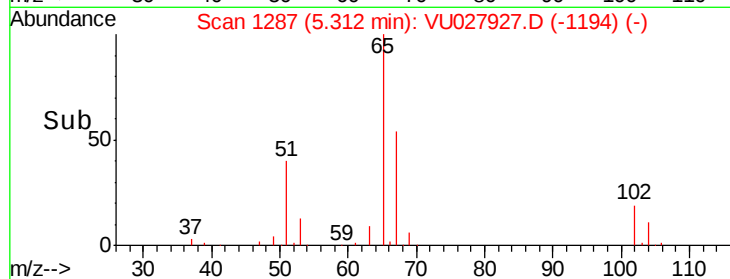
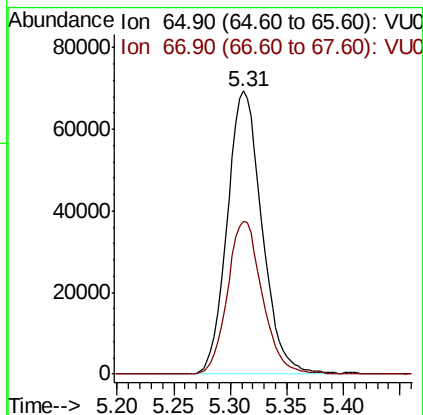
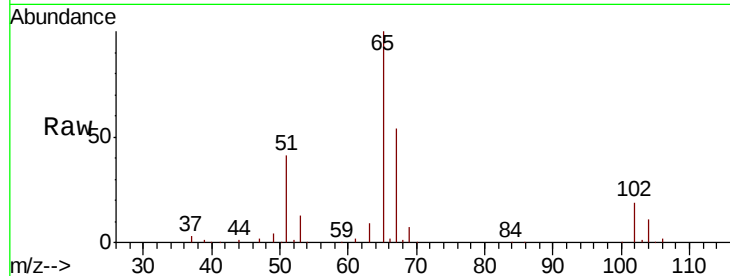




#33
 1,2-Dichloroethane-d4
 Concen: 52.700 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027927.D
 Acq: 02 Nov 2018 15:38

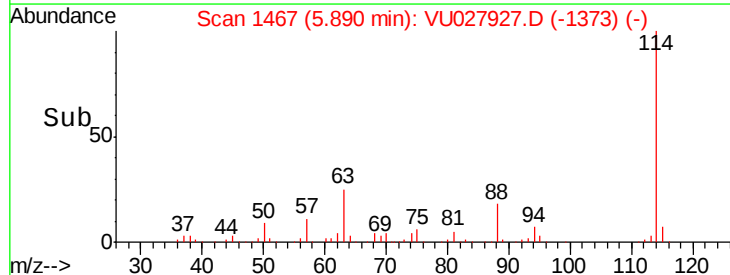
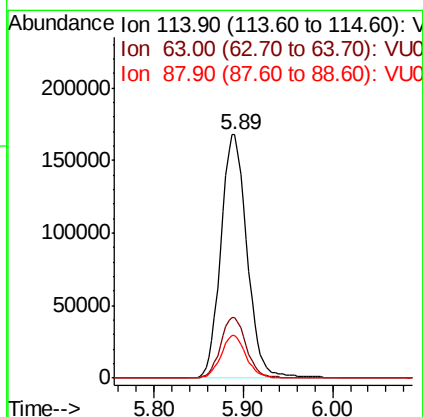
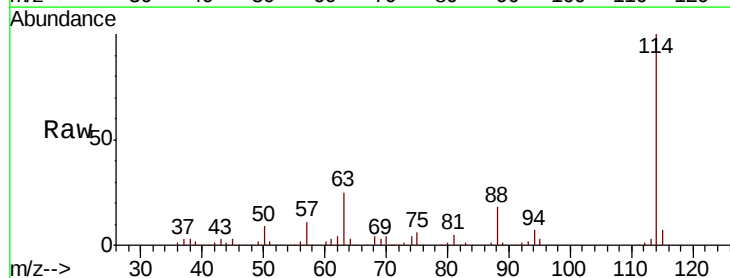
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-3

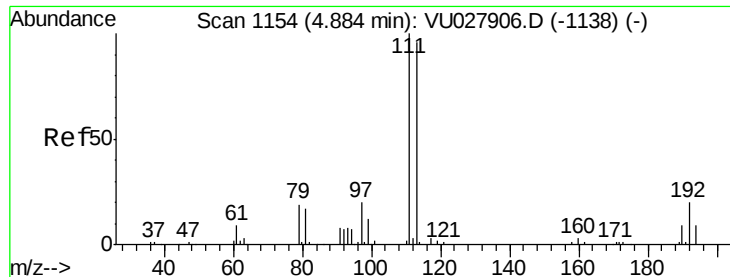
Tot Ion: 65 Resp: 148762
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027927.D
 Acq: 02 Nov 2018 15:38

Tgt Ion: 114 Resp: 341765
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.8
 88 17.5 0.0 35.8





#35

Dibromofluoromethane

Concen: 51.320 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
TP-3

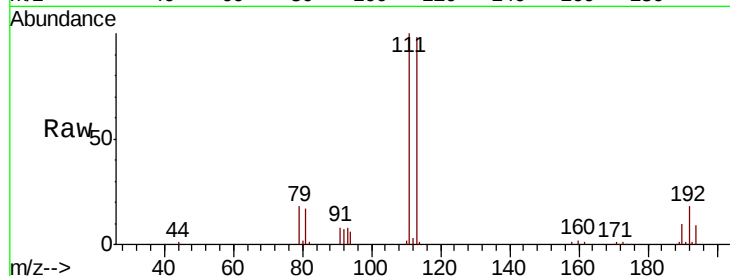
Tot Ion:113 Resp: 110588

Ion Ratio Lower Upper

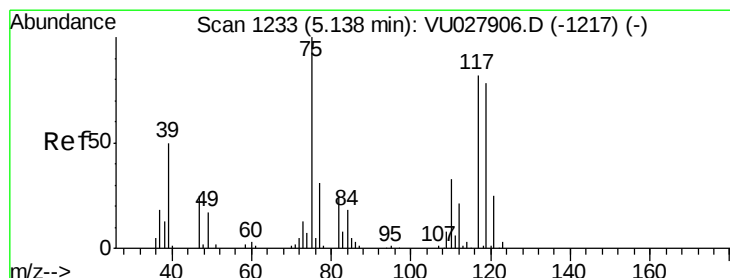
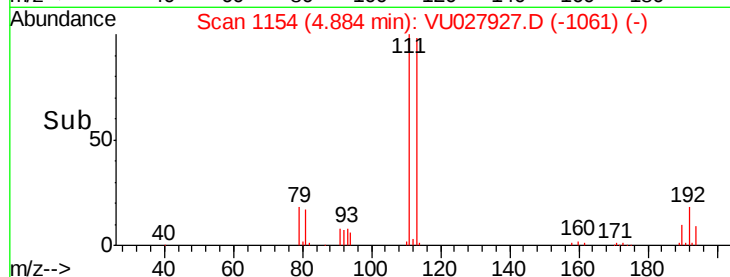
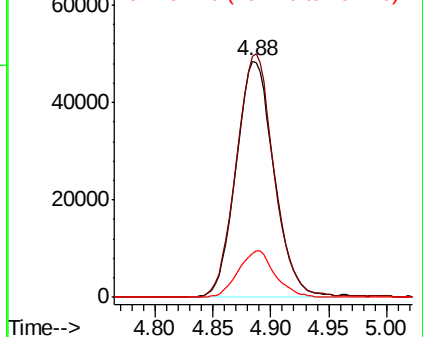
113 100

111 101.9 83.0 124.6

192 19.1 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: 4.545 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

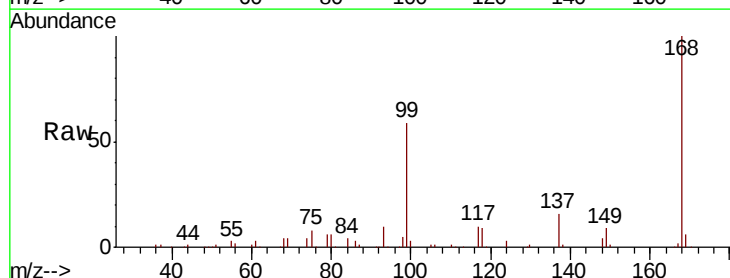
Tgt Ion: 75 Resp: 16270

Ion Ratio Lower Upper

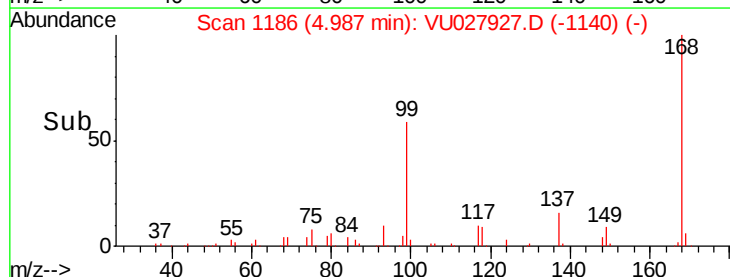
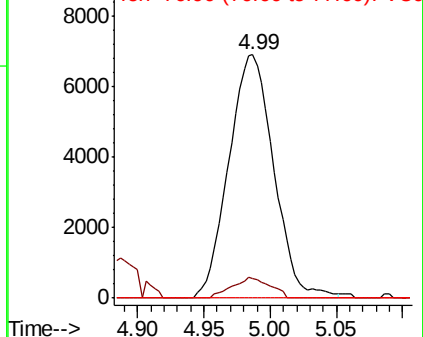
75 100

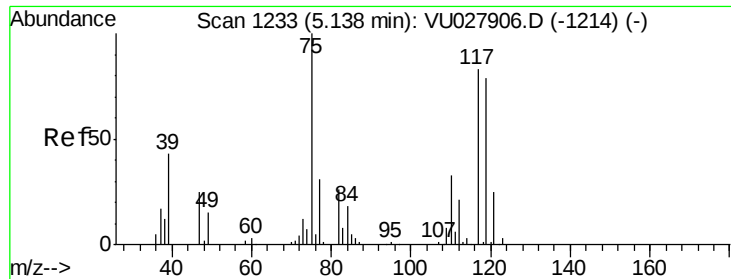
110 7.0 16.5 49.5#

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

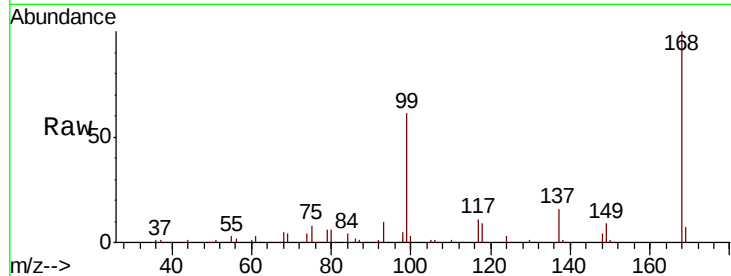




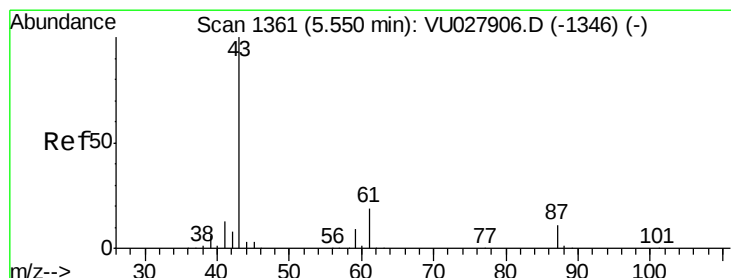
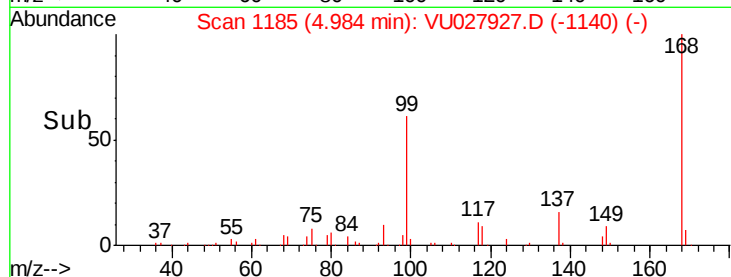
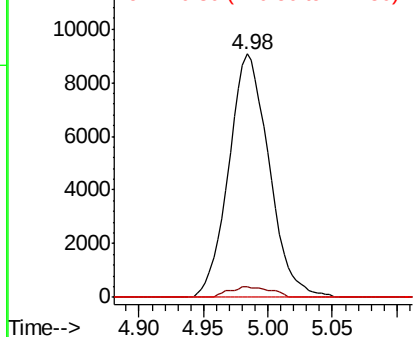
#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU027927.D
Acq: 02 Nov 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
TP-3

Tot Ion:117 Resp: 19748
Ion Ratio Lower Upper
117 100
119 4.3 76.0 114.0#
121 0.0 24.5 36.7#

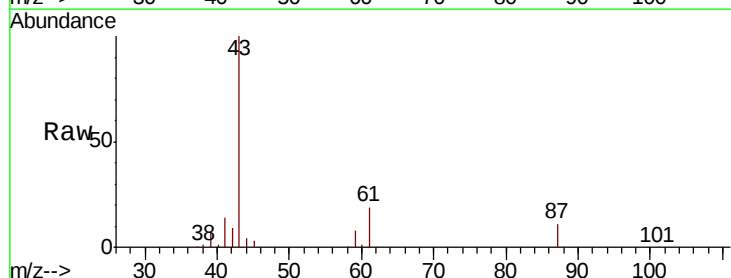


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

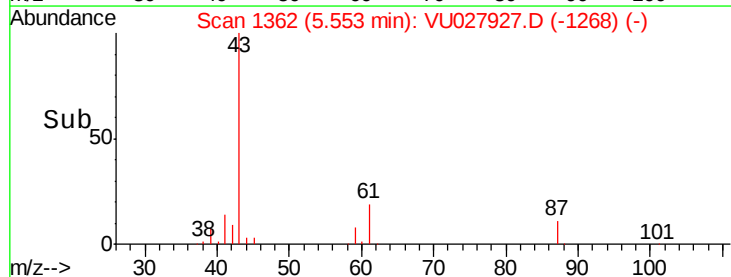
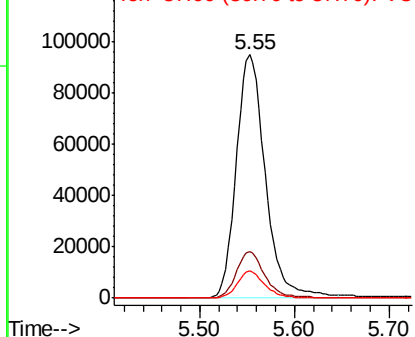


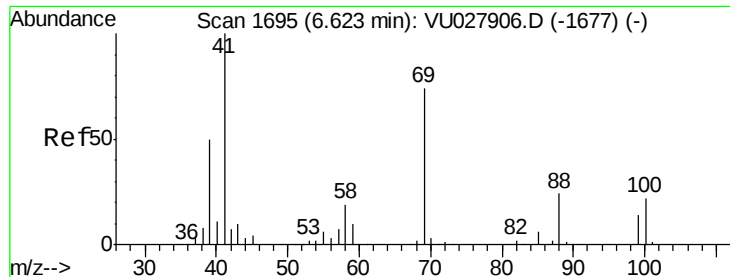
#43
Isopropyl Acetate
Concen: 24.760 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027927.D
Acq: 02 Nov 2018 15:38

Tgt Ion: 43 Resp: 203446
Ion Ratio Lower Upper
43 100
61 19.0 15.0 22.4
87 10.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

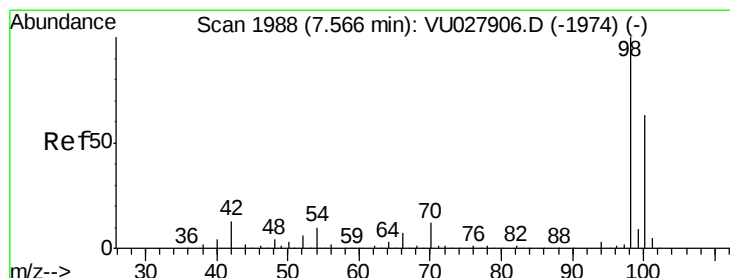
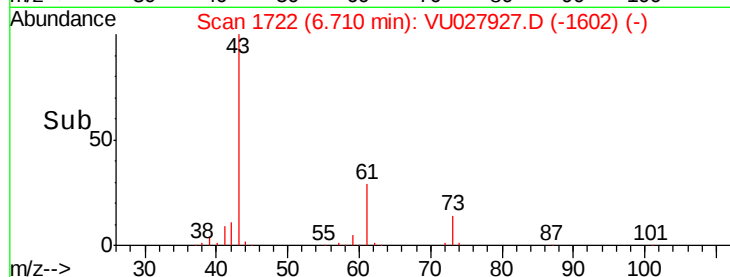
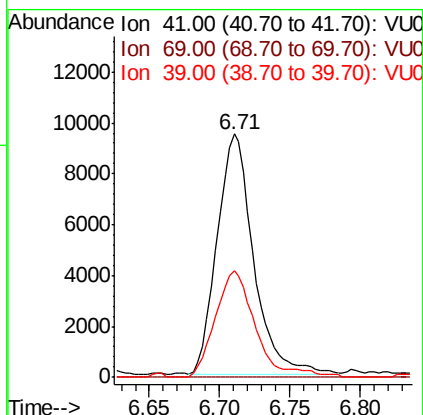
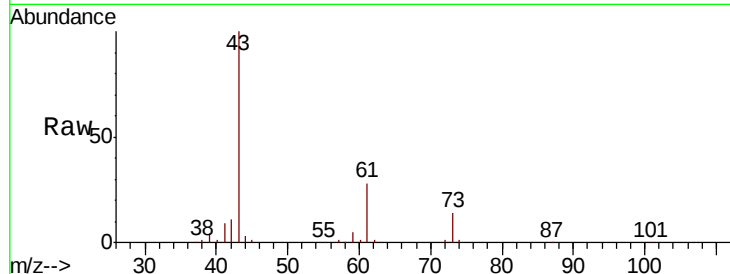




#48
Methvl methacrylate
Concen: 4.216 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027927.D
Acq: 02 Nov 2018 15:38

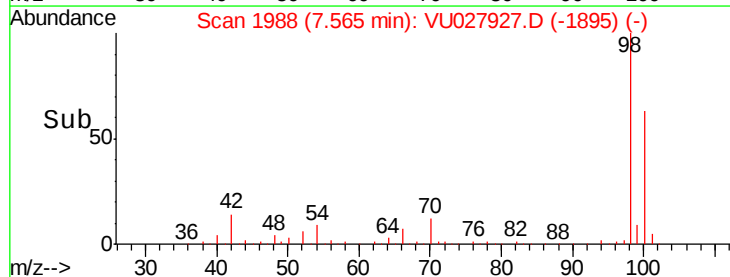
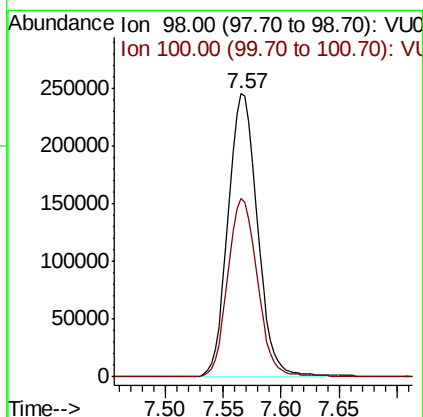
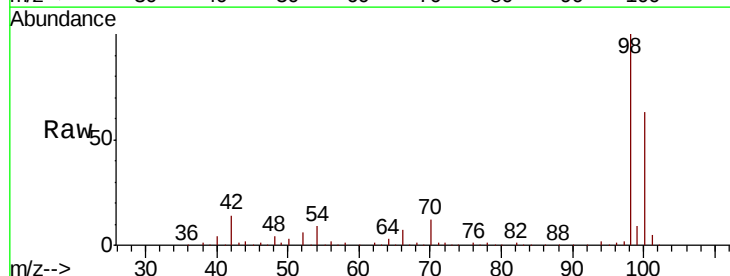
Instrument :
MSVOA_U
ClientSampleId :
TP-3

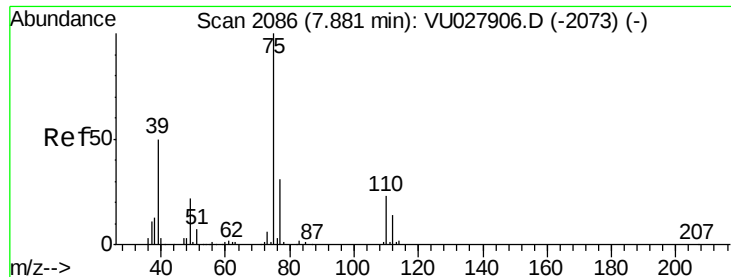
Tot Ion: 41 Resp: 16978
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 48.5 40.0 60.0



#50
Toluene-d8
Concen: 51.777 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027927.D
Acq: 02 Nov 2018 15:38

Tgt Ion: 98 Resp: 430995
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1





#53

t-1,3-Dichloropropene

Concen: 1.127 ug/l

RT: 7.89 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

Instrument :

MSVOA_U

ClientSampled :

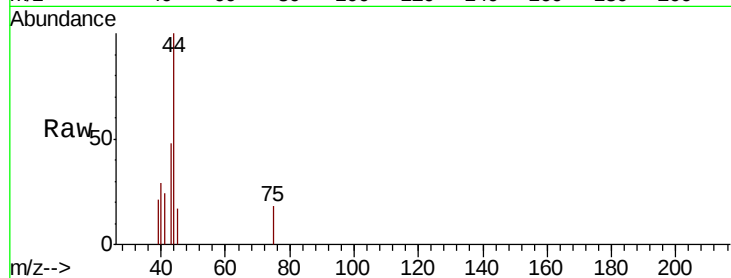
TP-3

Tot Ion: 75 Resp: 41

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

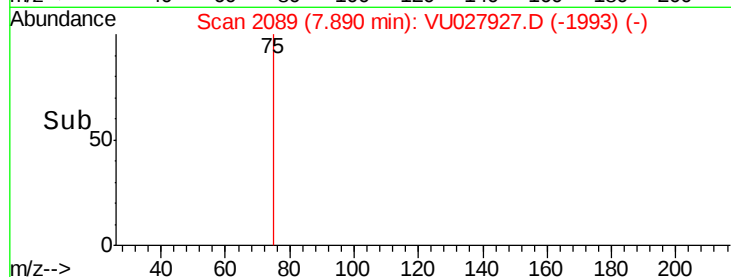


Abundance Ion 74.90 (74.60 to 75.60): VU0

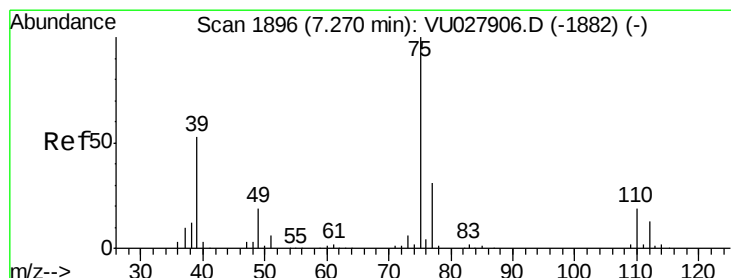
Ion 76.90 (76.60 to 77.60): VU0

7.89

Time-->



Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.249 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

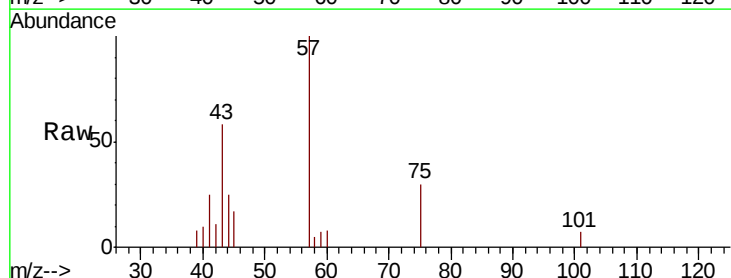
Tgt Ion: 75 Resp: 1072

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 25.9 42.6 64.0#



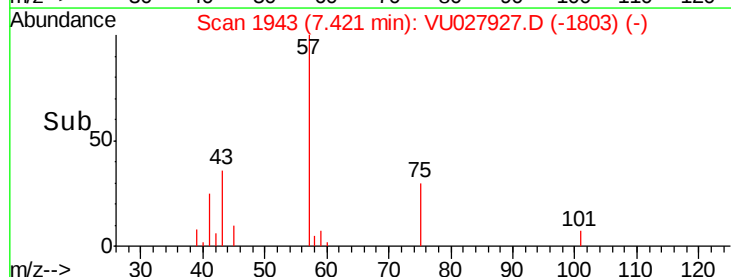
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

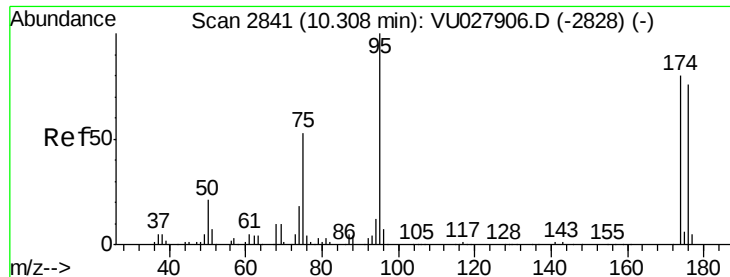
Ion 39.00 (38.70 to 39.70): VU0

7.42

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 46.498 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

Instrument :

MSVOA_U

ClientSampled :

TP-3

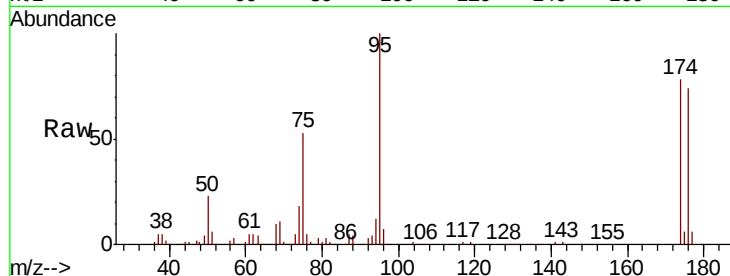
Tot Ion: 95 Resp: 142762

Ion Ratio Lower Upper

95 100

174 77.3 0.0 156.4

176 73.3 0.0 150.8

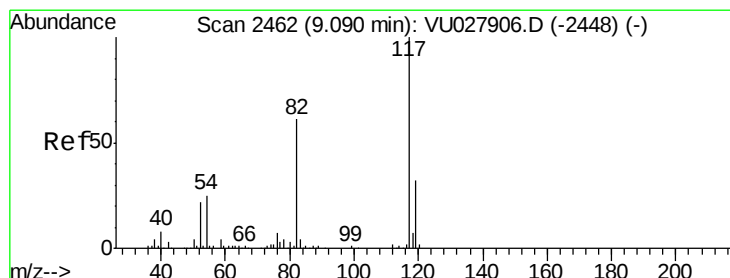
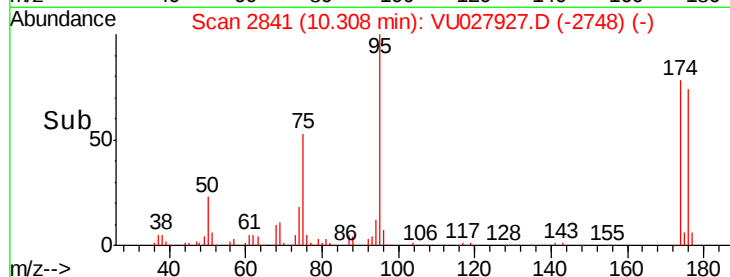
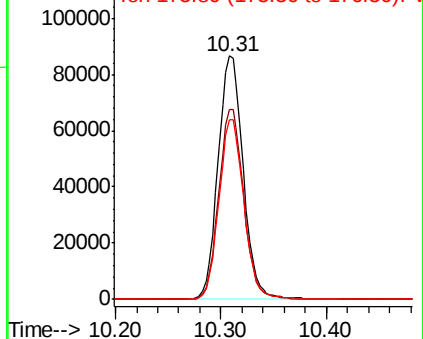


Abundance

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: VU027927.D

Acq: 02 Nov 2018 15:38

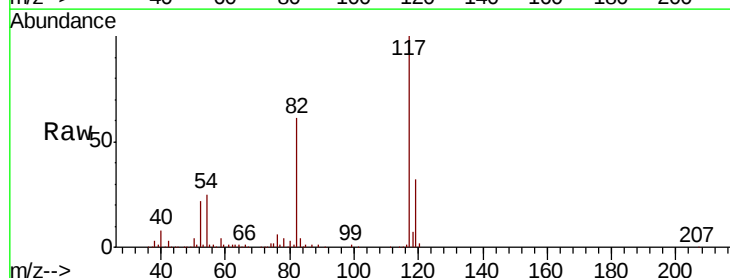
Tgt Ion: 117 Resp: 298107

Ion Ratio Lower Upper

117 100

82 61.0 48.6 73.0

119 31.8 25.8 38.8

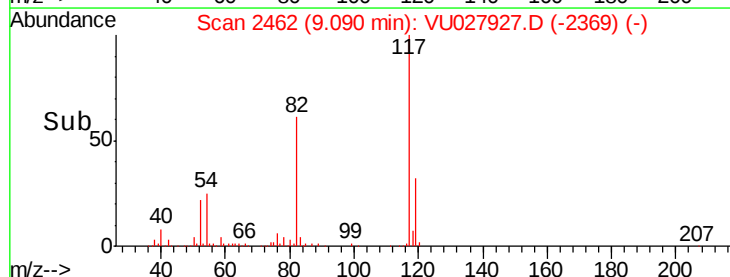
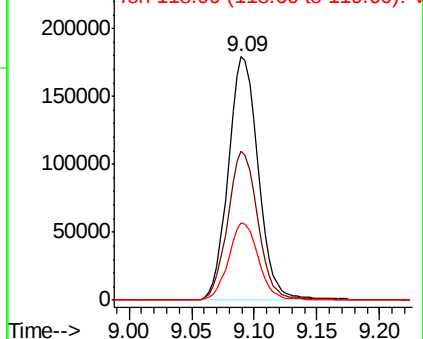


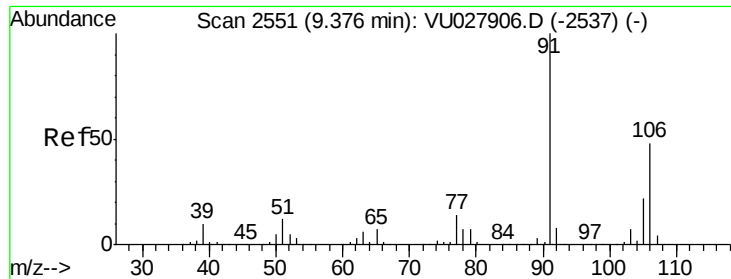
Abundance

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) (-)

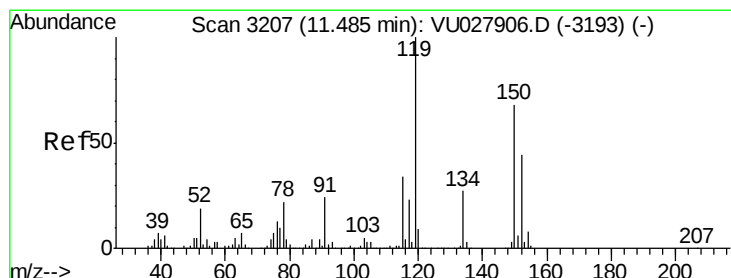
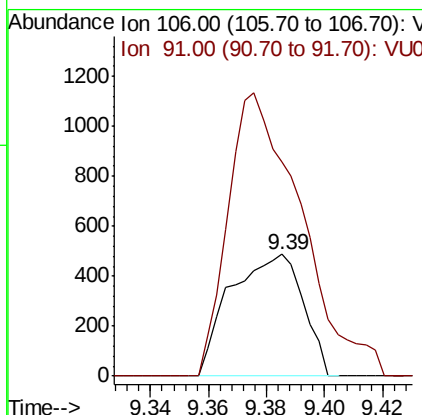
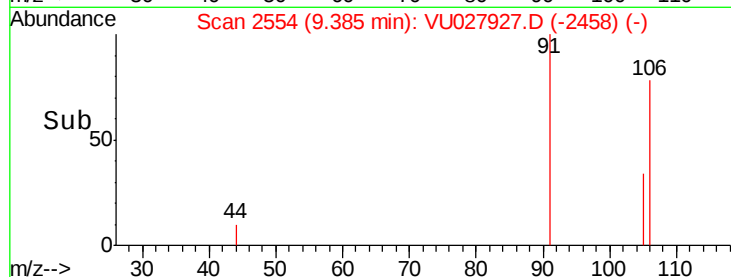
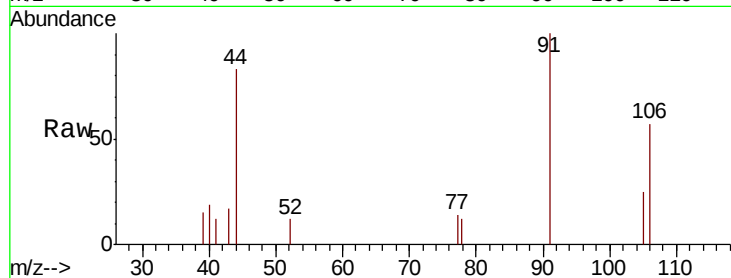




#68
m/p-Xvlenes
Concen: 0.201 ug/l
RT: 9.39 min Scan# 2554
Delta R.T. 0.01 min
Lab File: VU027927.D
Acq: 02 Nov 2018 15:38

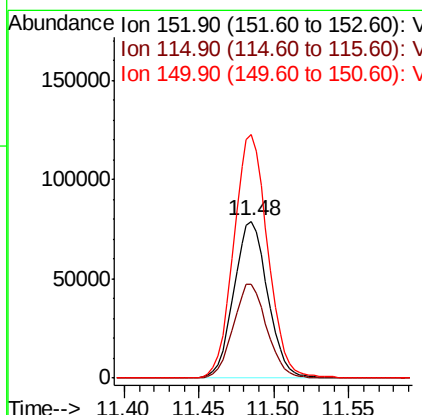
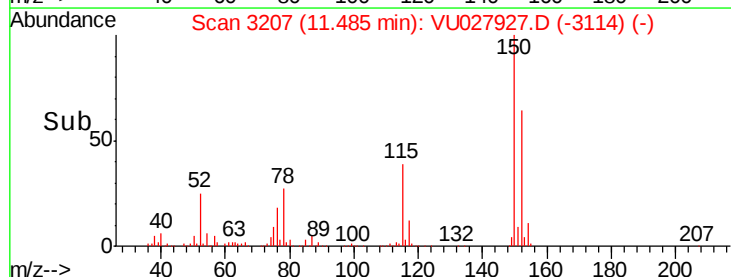
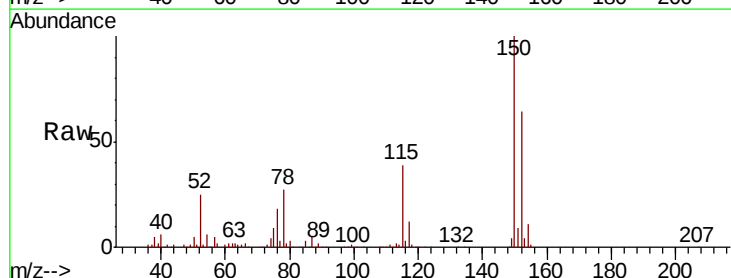
Instrument :
MSVOA_U
ClientSampleId :
TP-3

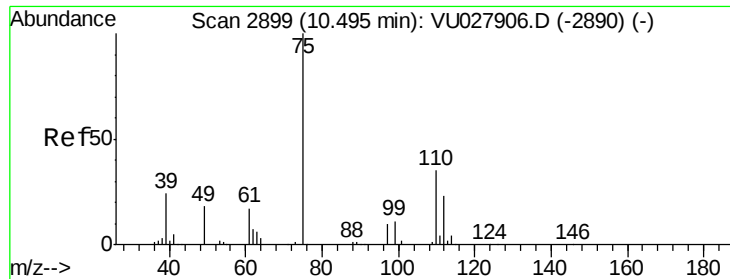
Tot Ion:106 Resp: 845
Ion Ratio Lower Upper
106 100
91 235.3 168.2 252.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027927.D
Acq: 02 Nov 2018 15:38

Tgt Ion:152 Resp: 124509
Ion Ratio Lower Upper
152 100
115 59.9 43.0 129.0
150 156.1 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 21.526 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

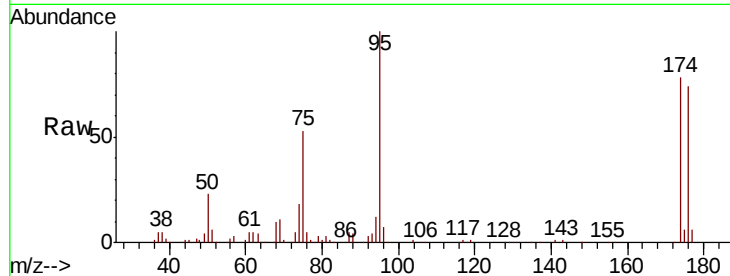
TP-3

Tot Ion: 75 Resp: 73311

Ion Ratio Lower Upper

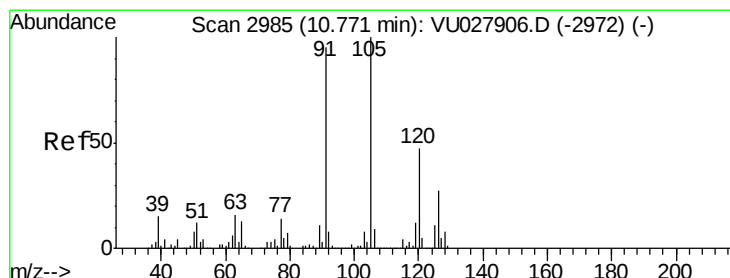
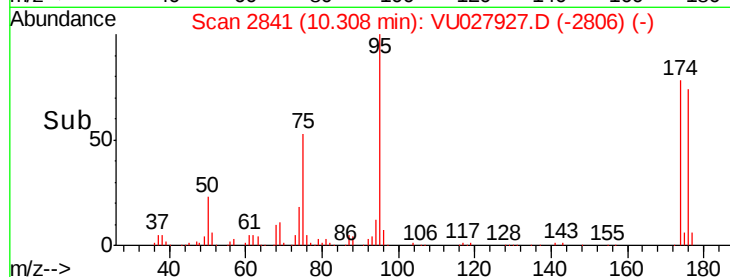
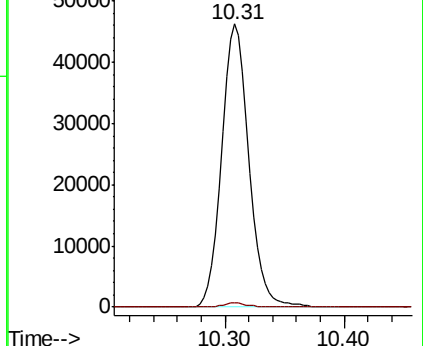
75 100

77 1.3 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.291 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027927.D

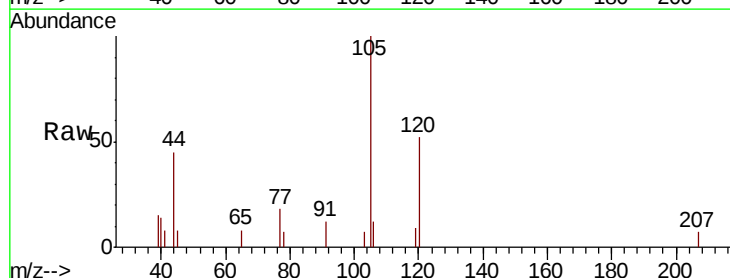
Acq: 02 Nov 2018 15:38

Tgt Ion: 105 Resp: 2328

Ion Ratio Lower Upper

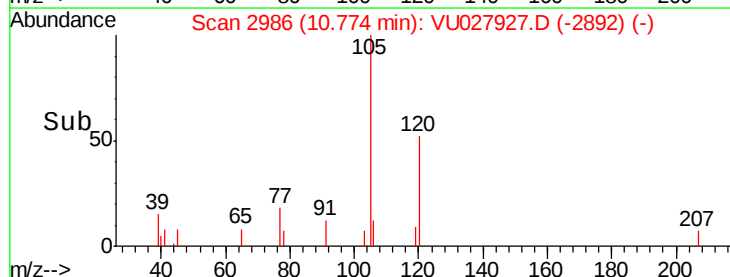
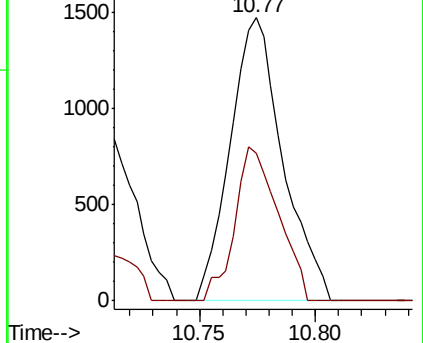
105 100

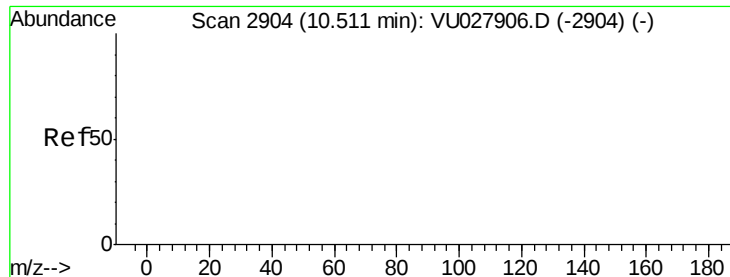
120 44.7 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.726 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

TP-3

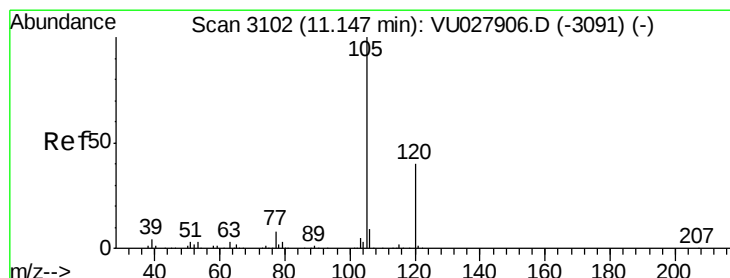
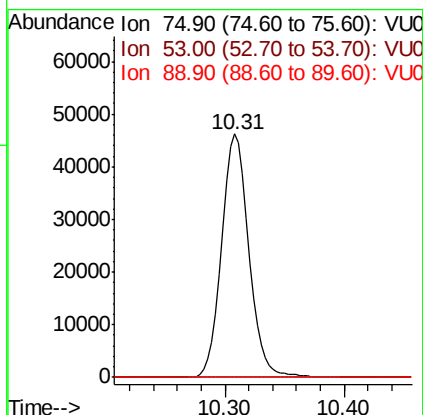
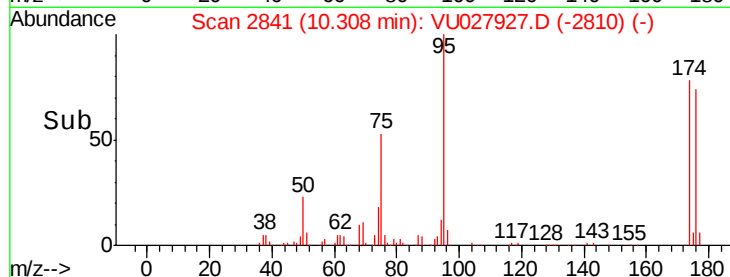
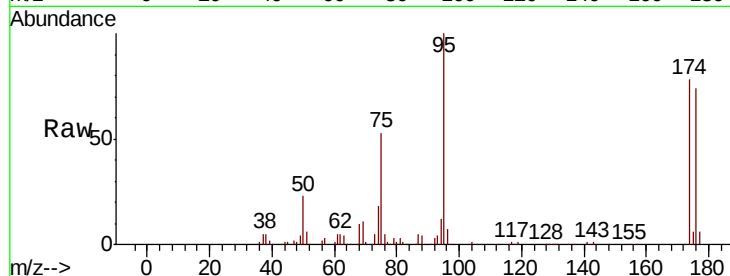
Tot Ion: 75 Resp: 73311

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#84

1,2,4-Trimethylbenzene

Concen: 1.123 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027927.D

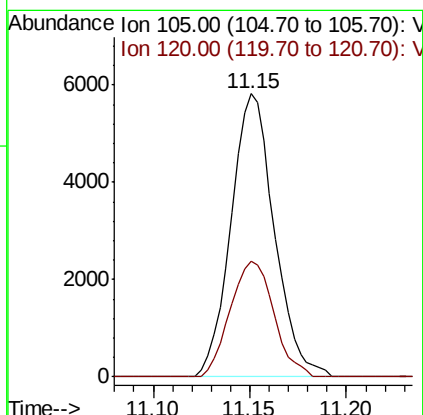
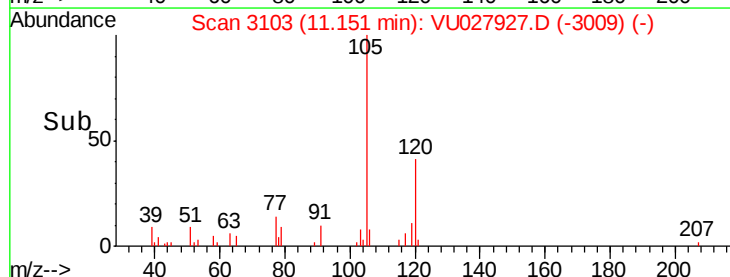
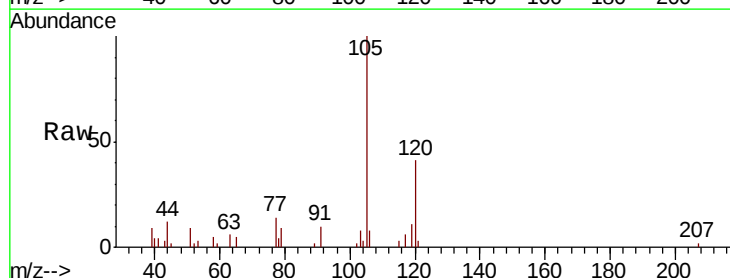
Acq: 02 Nov 2018 15:38

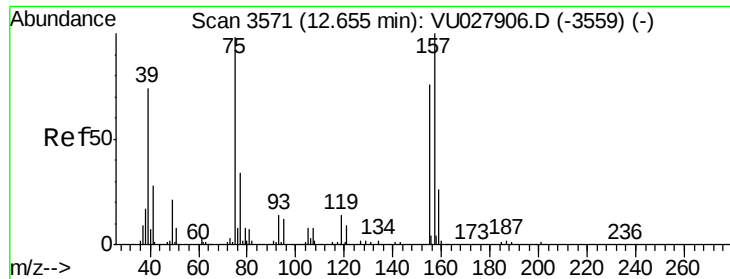
Tgt Ion: 105 Resp: 9036

Ion Ratio Lower Upper

105 100

120 41.3 22.1 66.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.542 ug/l

RT: 12.48 min Scan# 3518

Delta R.T. -0.17 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

Instrument :

MSVOA_U

ClientSampled :

TP-3

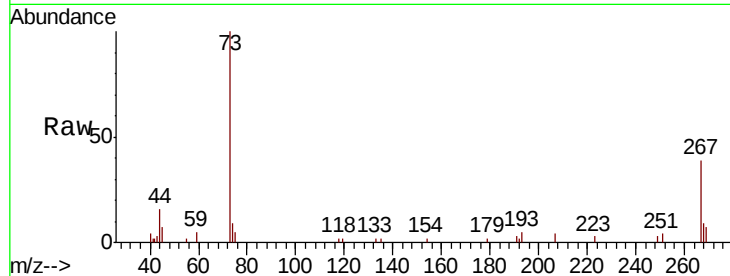
Tot Ion: 75 Resp: 444

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

12.48

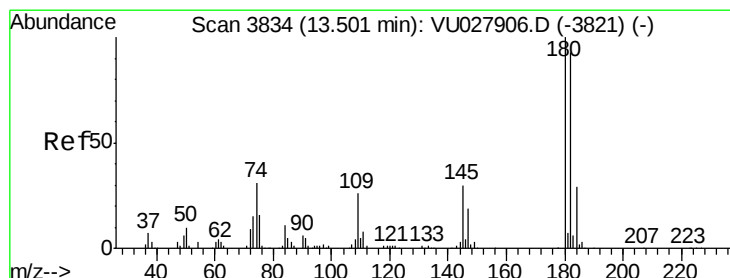
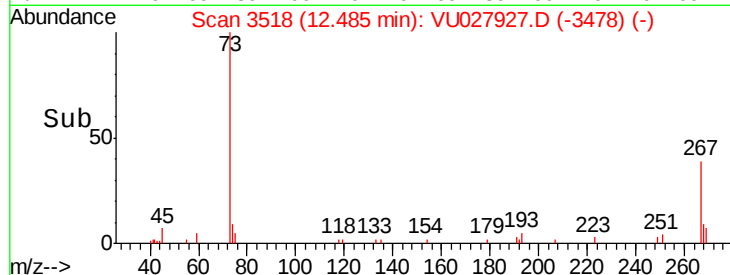
300

200

100

0

Time--> 12.45 12.50



#93

1,2,4-Trichlorobenzene

Concen: 0.754 ug/l

RT: 13.51 min Scan# 3838

Delta R.T. 0.01 min

Lab File: VU027927.D

Acq: 02 Nov 2018 15:38

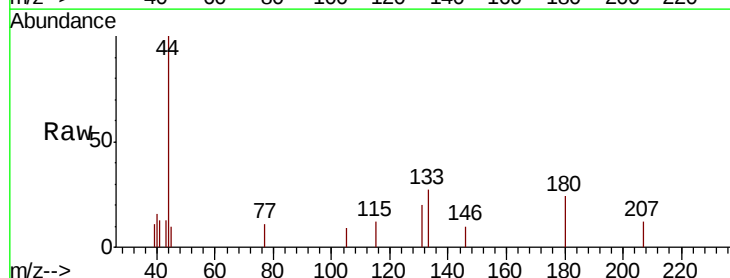
Tgt Ion: 180 Resp: 202

Ion Ratio Lower Upper

180 100

182 0.0 48.4 145.2#

145 0.0 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

13.51

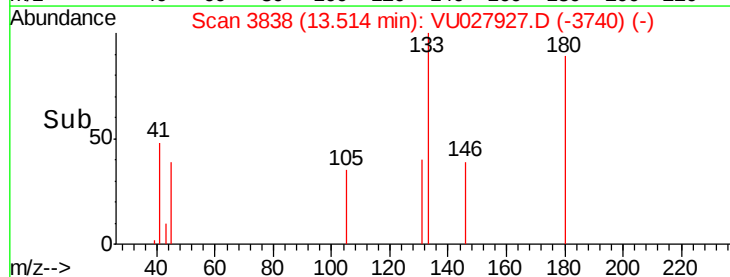
300

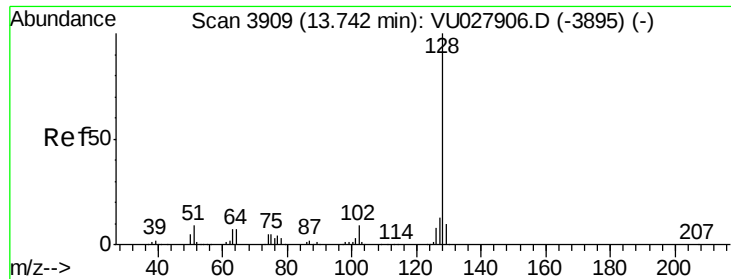
200

100

0

Time--> 13.50 13.52





#95
Naphthalene
Concen: 4.288 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027927.D
Acq: 02 Nov 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.3	12.5

