

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110218\
 Data File : VU027925.D
 Acq On : 02 Nov 2018 14:51
 Operator : MD/SY
 Sample : J5741-26
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-6

Quant Time: Nov 03 04:22:49 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	190058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	340898	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	293391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	120238	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	147756	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
35) Dibromofluoromethane	4.89	113	109153	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	7.57	98	429469	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	10.31	95	140592	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

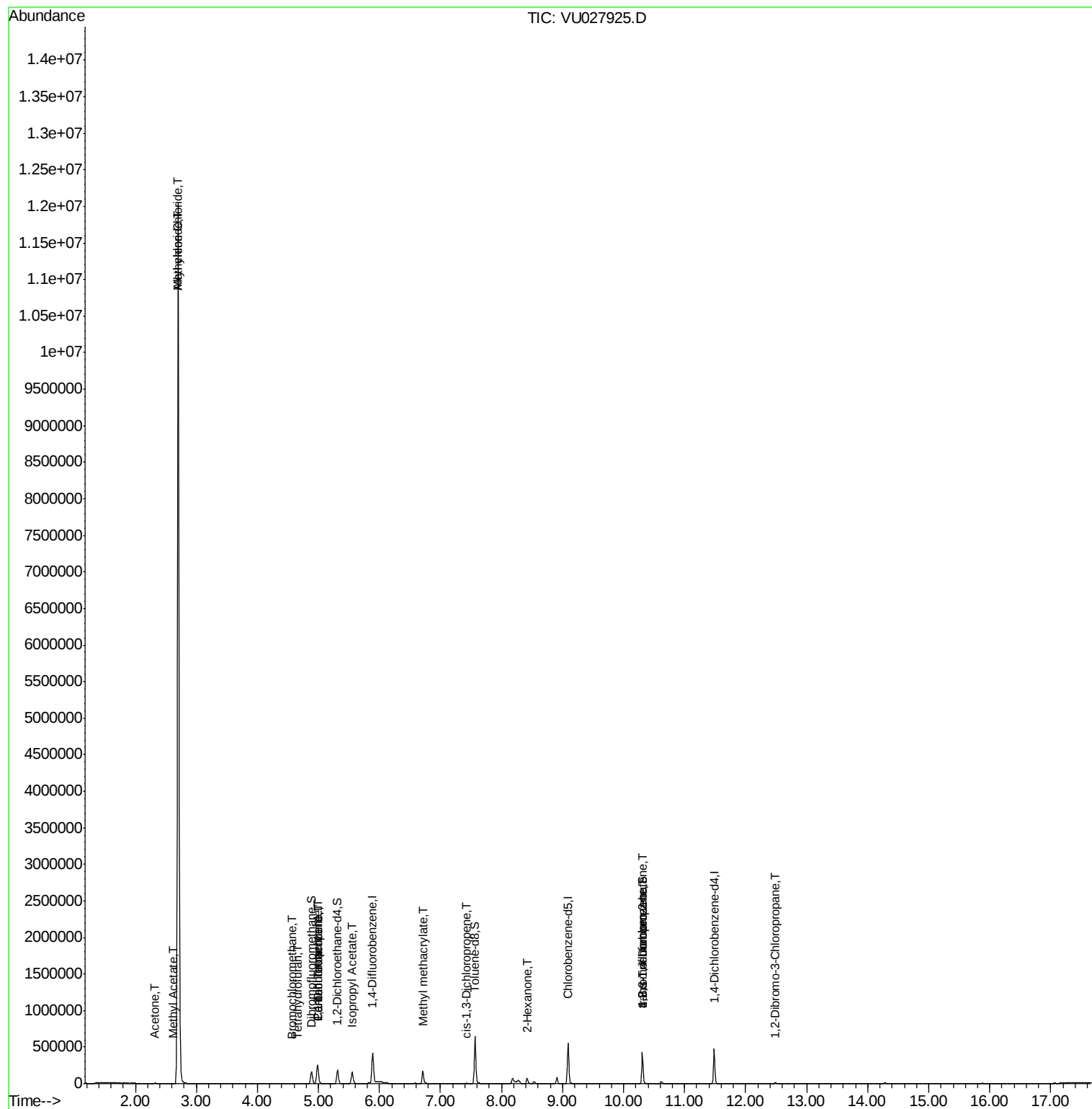
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.21	56	44	Below Cal	#	1
14) Allyl chloride	2.70	41	254653	52.308	ug/l #	27
16) Acetone	2.32	43	7936	4.527	ug/l	96
18) Methyl Acetate	2.62	43	4525	0.938	ug/l	98
20) Methylene Chloride	2.70	84	4985128	1947.519	ug/l	98
28) Bromochloromethane	4.57	49	1598	0.681	ug/l #	78
29) Tetrahydrofuran	4.65	42	444	0.238	ug/l #	80
31) Cyclohexane	4.98	56	4612	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16617	4.654	ug/l #	46
38) Carbon Tetrachloride	4.98	117	19677	6.219	ug/l #	15
43) Isopropyl Acetate	5.55	43	196074	23.923	ug/l	99
48) Methyl methacrylate	6.71	41	16885	4.204	ug/l #	46
54) cis-1,3-Dichloropropene	7.42	75	1086	0.253	ug/l #	54
59) 2-Hexanone	8.42	43	12173	2.875	ug/l #	55
76) 1,2,3-Trichloropropane	10.31	75	73169	22.248	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	73169	55.518	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.48	75	369	0.466	ug/l #	10
95) Naphthalene	13.75	128	958	Below Cal	#	85

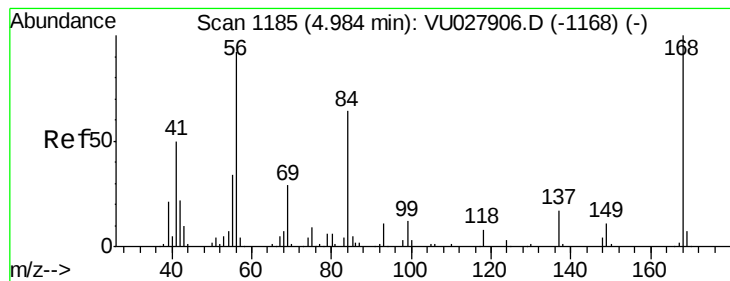
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027925.D

Acq: 02 Nov 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

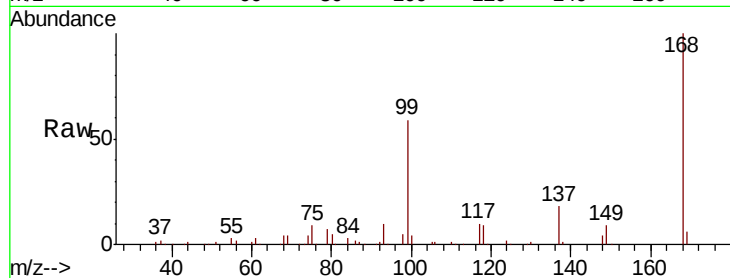
TP-6

Tot Ion:168 Resp: 190058

Ion Ratio Lower Upper

168 100

99 58.9 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027925.D (-1092) (-)

4.99

80000

60000

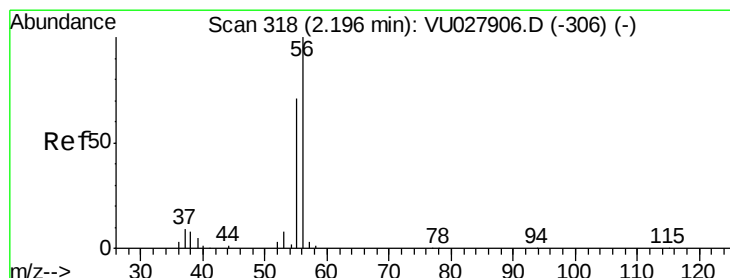
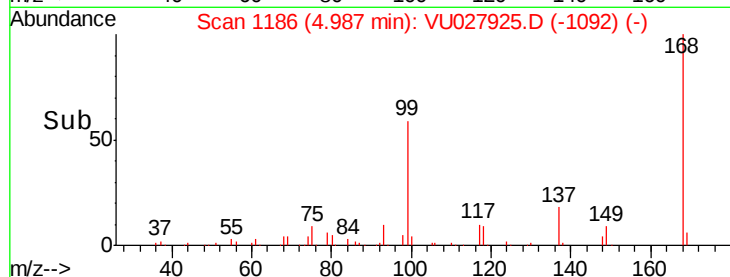
40000

20000

0

Time-->

4.90 5.00 5.10



#13

Acrolein

Concen: Below Cal

RT: 2.21 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU027925.D

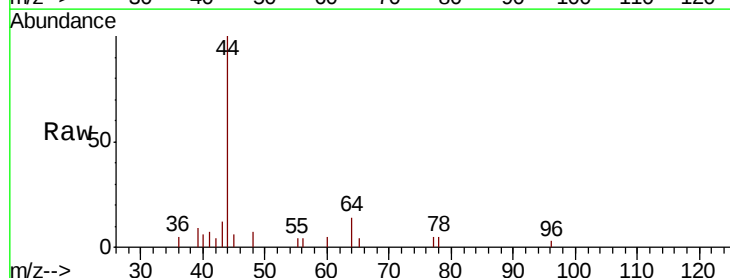
Acq: 02 Nov 2018 14:51

Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

55 770.5 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027925.D (-224) (-)

2.21

300

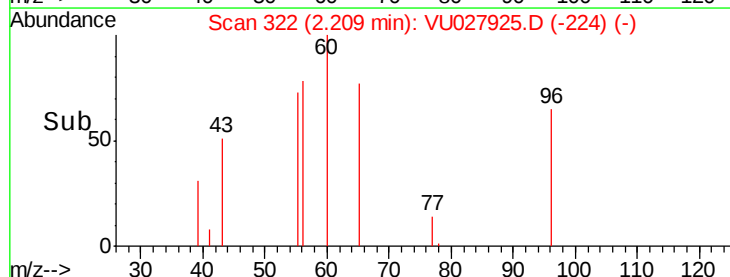
200

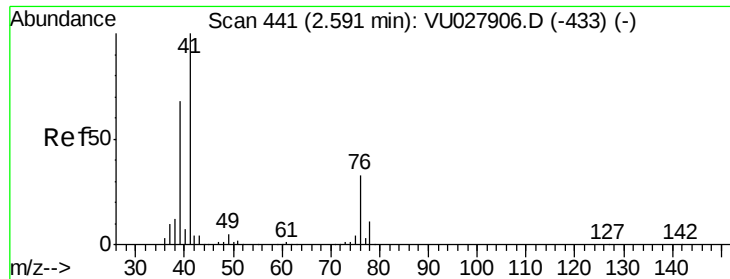
100

0

Time-->

2.20 2.21 2.22

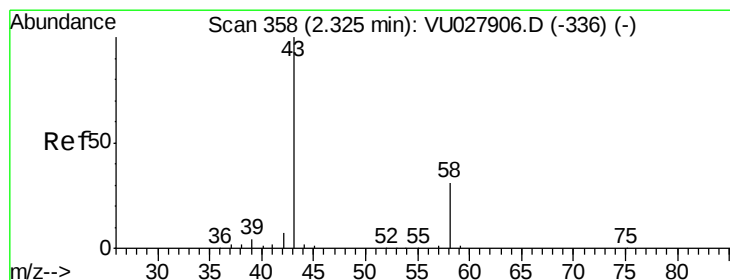
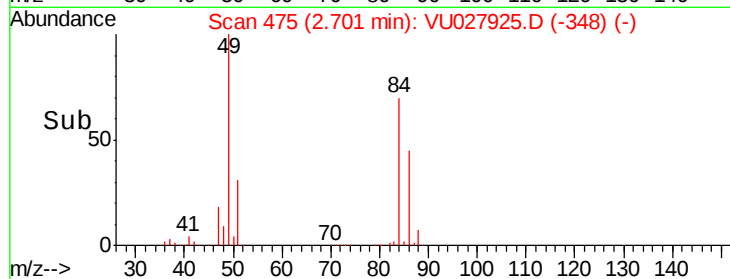
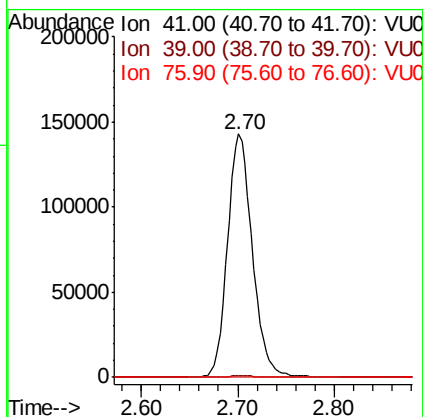
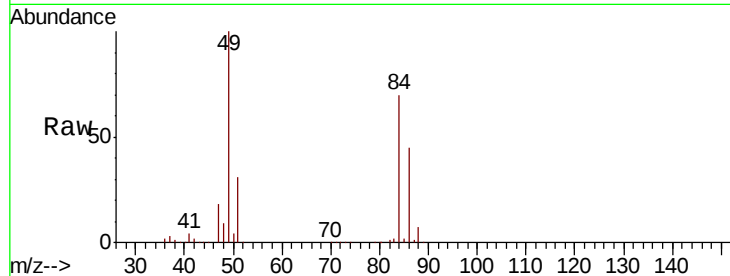




#14
Allvl chloride
Concen: 52.308 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.11 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

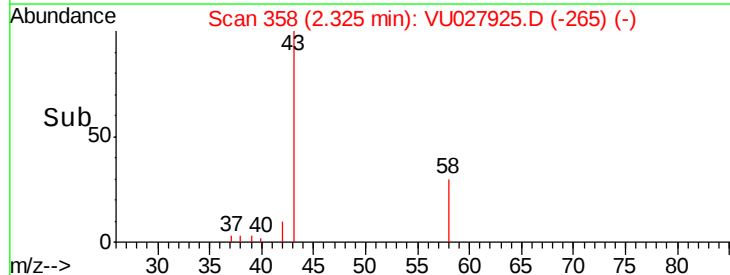
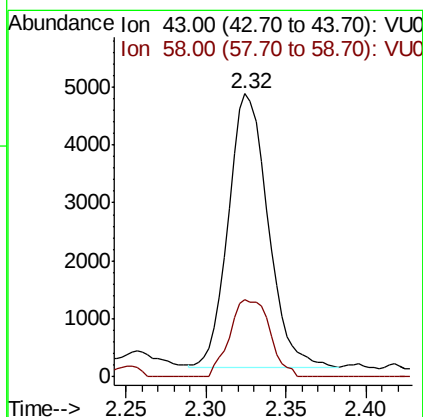
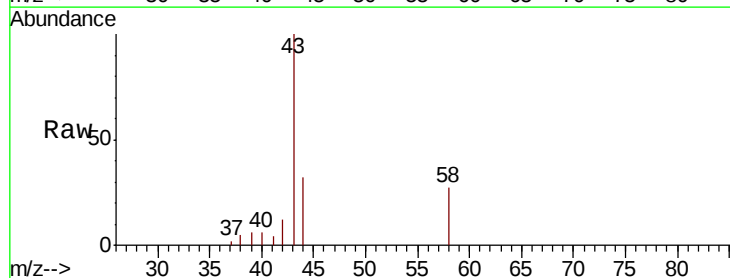
Instrument :
MSVOA_U
ClientSampled :
TP-6

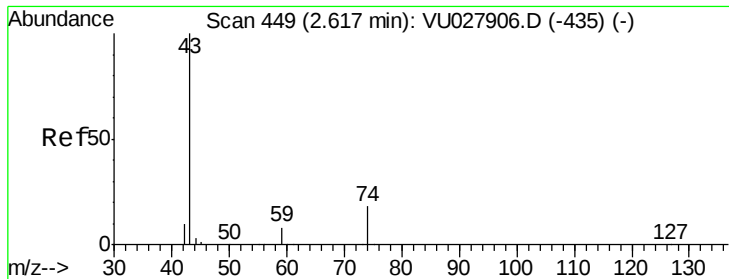
Tot Ion: 41 Resp: 254653
Ion Ratio Lower Upper
41 100
39 0.8 51.9 77.9#
76 0.0 23.8 35.6#



#16
Acetone
Concen: 4.527 ug/l
RT: 2.32 min Scan# 358
Delta R.T. -0.00 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

Tgt Ion: 43 Resp: 7936
Ion Ratio Lower Upper
43 100
58 28.4 24.6 37.0

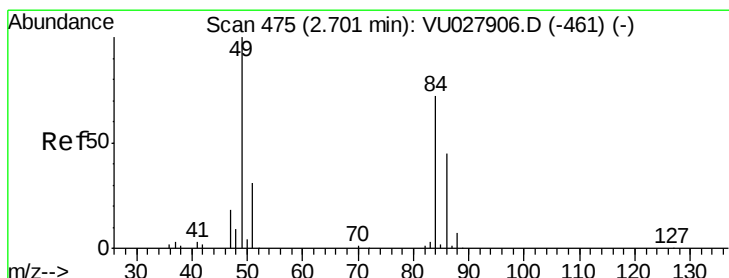
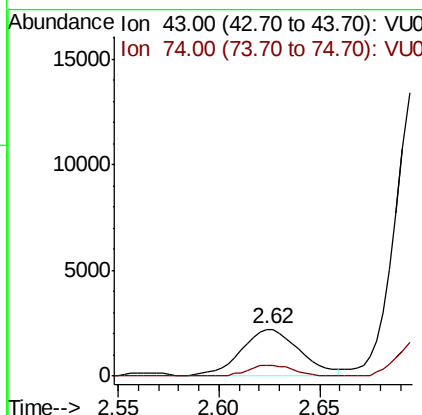
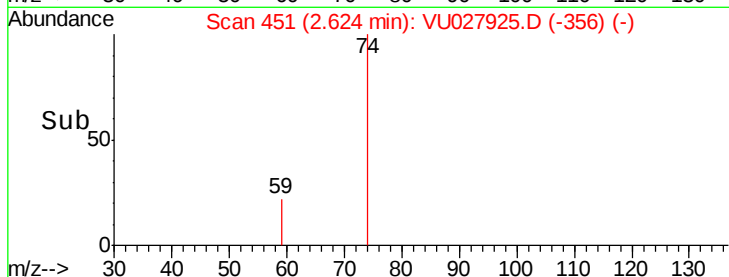
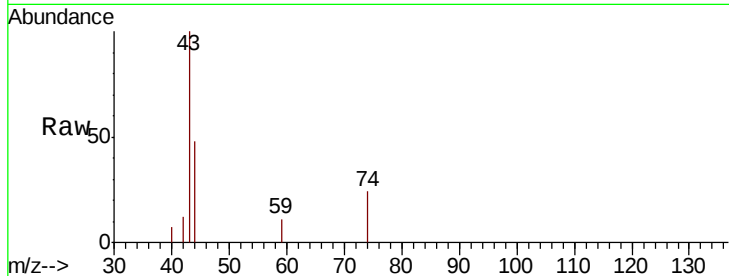




#18
Methyl Acetate
Concen: 0.938 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

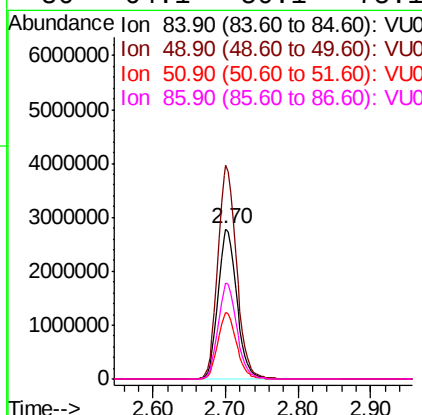
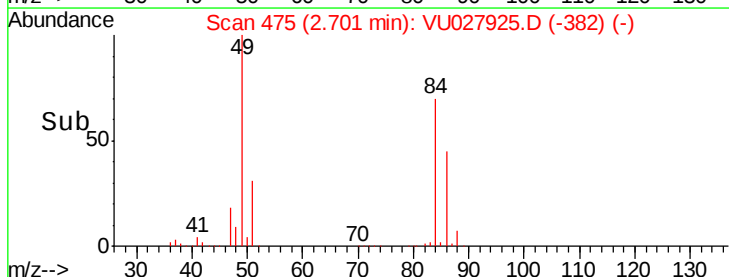
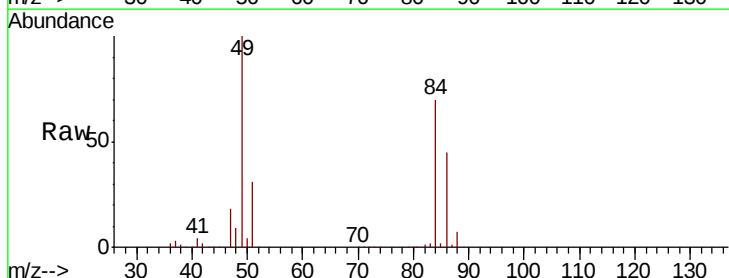
Instrument :
MSVOA_U
ClientSampled :
TP-6

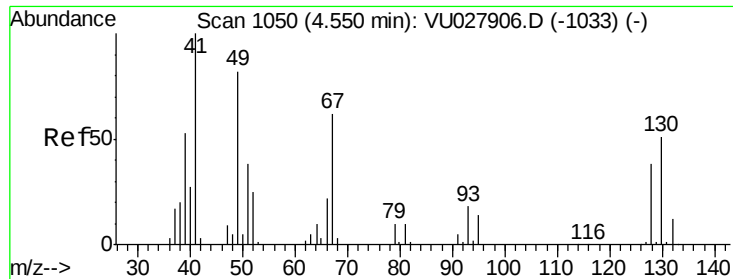
Tot Ion: 43 Resp: 4525
Ion Ratio Lower Upper
43 100
74 17.7 14.9 22.3



#20
Methylene Chloride
Concen: 1947.519 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

Tgt Ion: 84 Resp: 4985128
Ion Ratio Lower Upper
84 100
49 142.1 111.6 167.4
51 44.1 34.8 52.2
86 64.1 50.1 75.1





#28

Bromochloromethane

Concen: 0.681 ug/l

RT: 4.57 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VU027925.D

Acq: 02 Nov 2018 14:51

Instrument :

MSVOA_U

ClientSampled :

TP-6

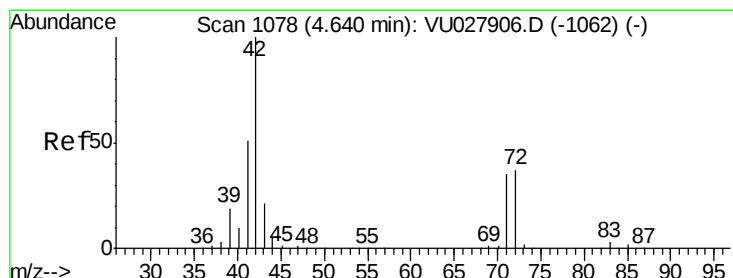
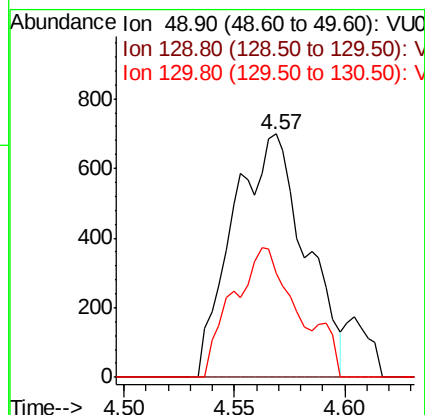
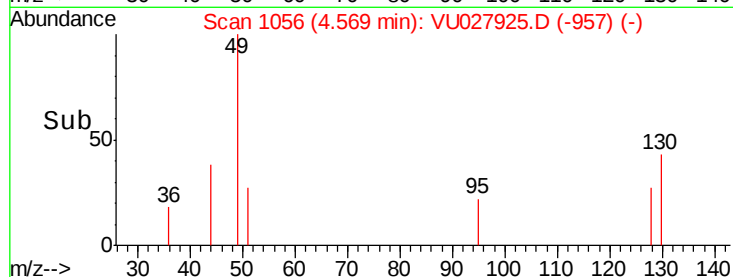
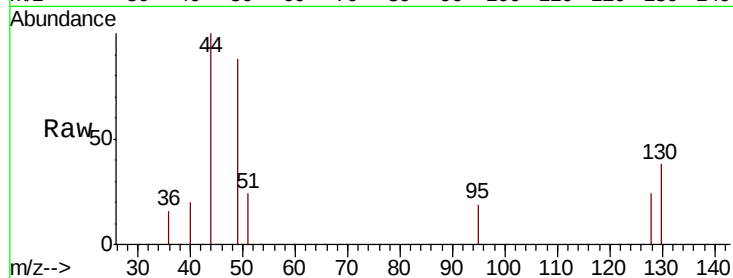
Tot Ion: 49 Resp: 1598

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.0

130 43.0 47.8 71.6#



#29

Tetrahydrofuran

Concen: 0.238 ug/l

RT: 4.65 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VU027925.D

Acq: 02 Nov 2018 14:51

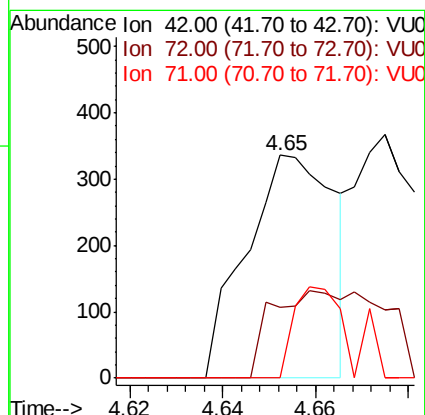
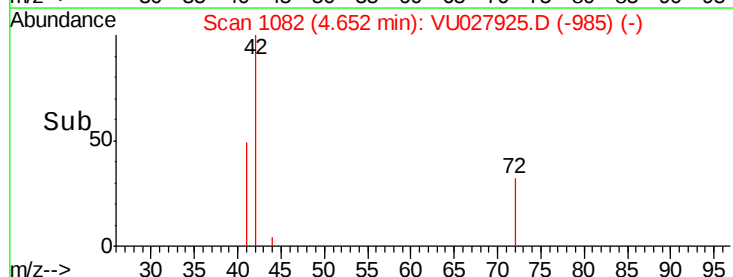
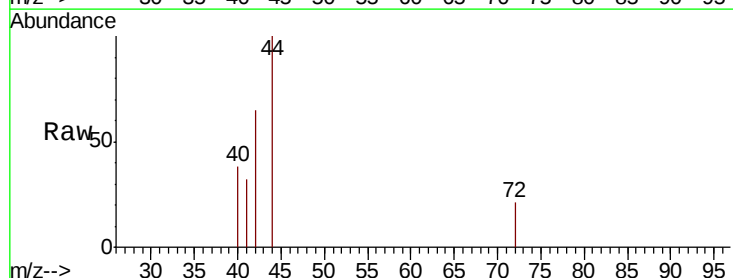
Tgt Ion: 42 Resp: 444

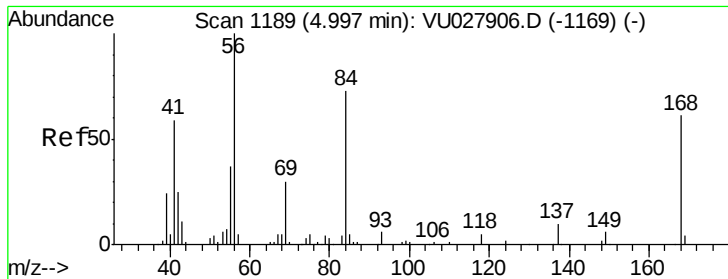
Ion Ratio Lower Upper

42 100

72 50.2 29.4 44.0#

71 25.5 27.9 41.9#

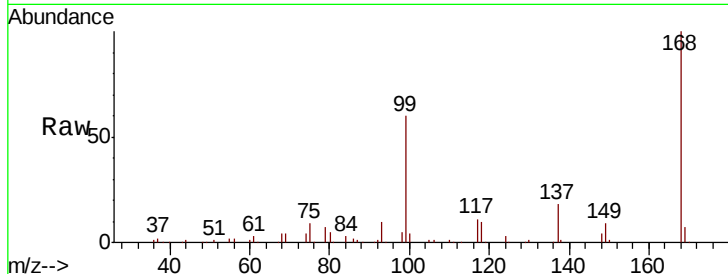




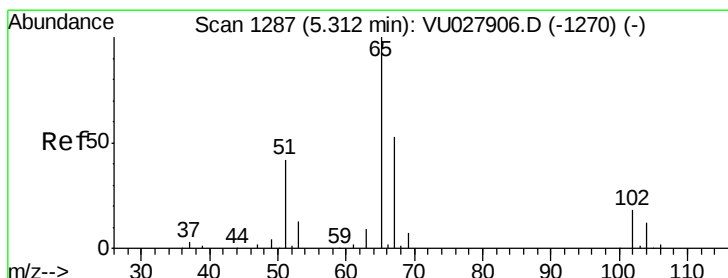
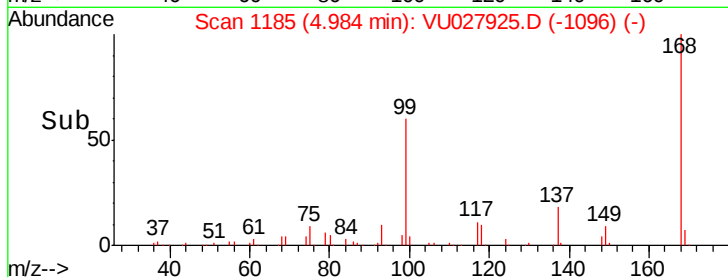
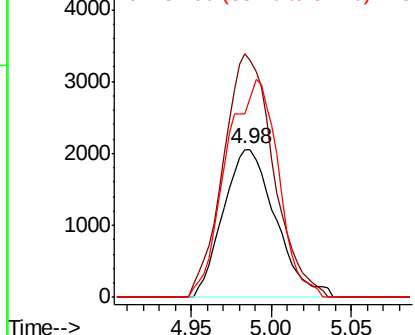
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
TP-6

Tot Ion: 56 Resp: 4612
Ion Ratio Lower Upper
56 100
69 164.7 23.7 35.5#
84 124.1 58.2 87.4#

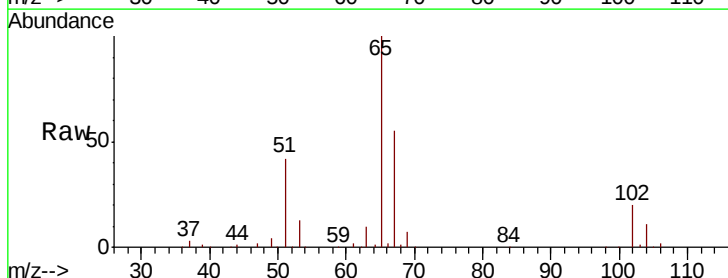


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

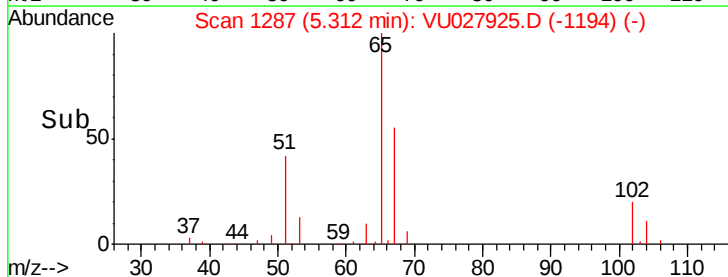
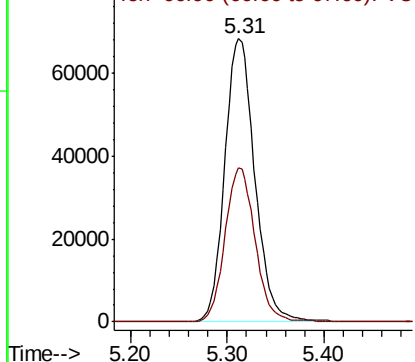


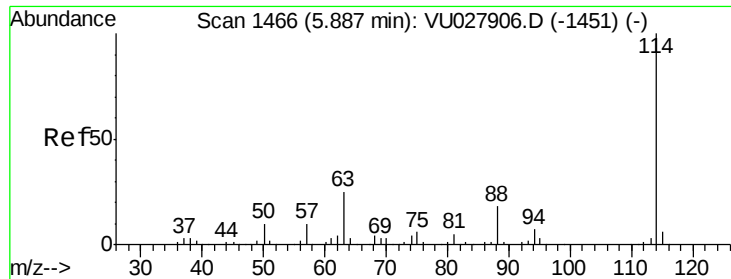
#33
1,2-Dichloroethane-d4
Concen: 52.290 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

Tgt Ion: 65 Resp: 147756
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.0



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

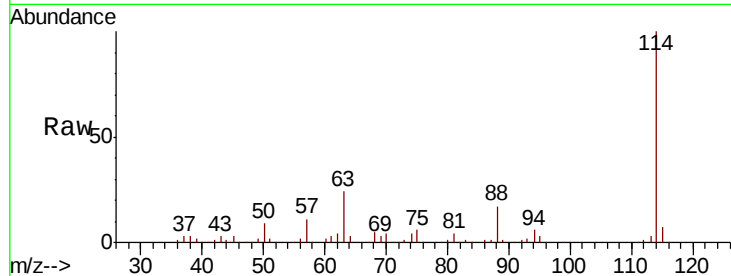




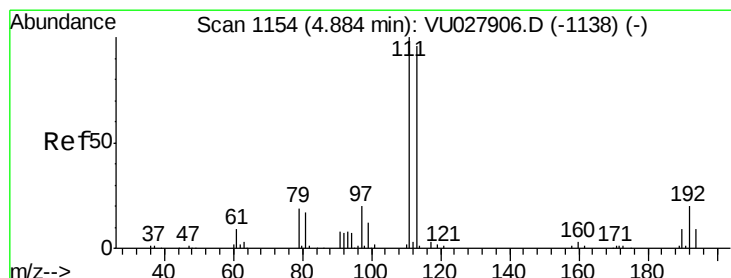
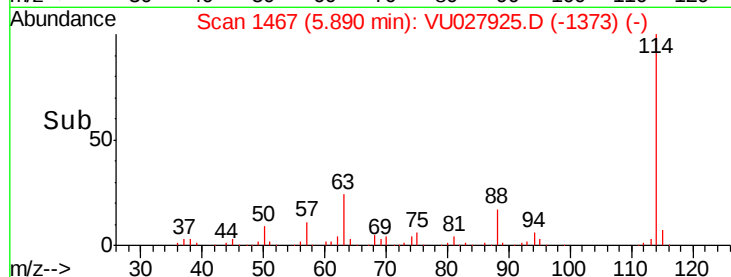
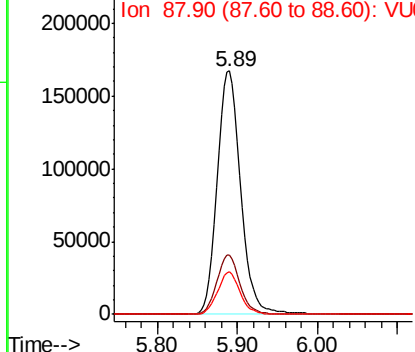
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027925.D
 Acq: 02 Nov 2018 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-6

Tot Ion:114 Resp: 340898
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.8
 88 17.3 0.0 35.8

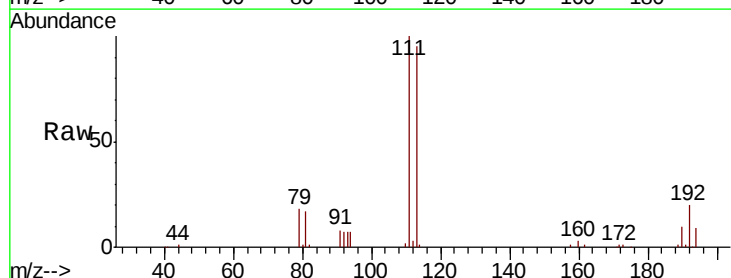


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

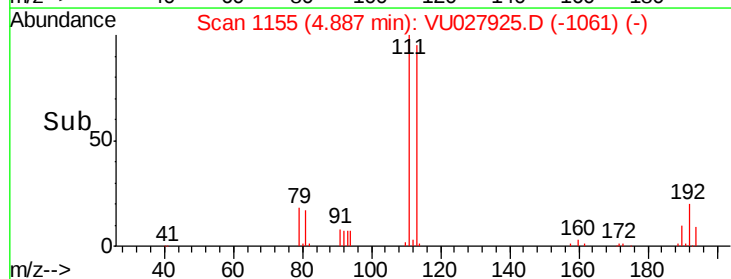
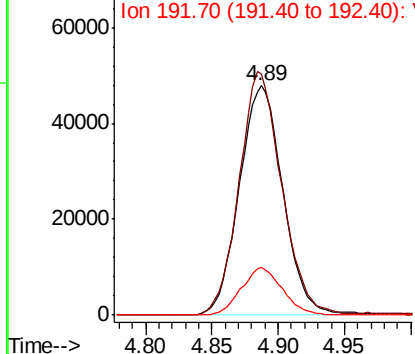


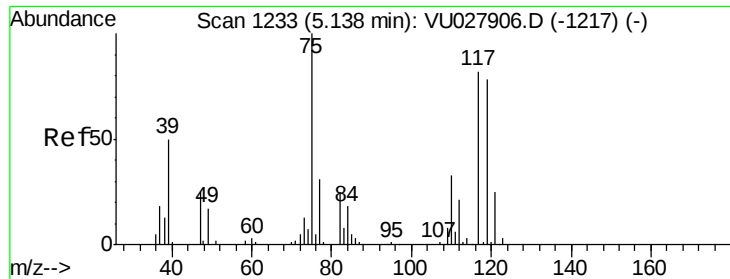
#35
 Dibromofluoromethane
 Concen: 50.783 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027925.D
 Acq: 02 Nov 2018 14:51

Tgt Ion:113 Resp: 109153
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.0 124.6
 192 19.6 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

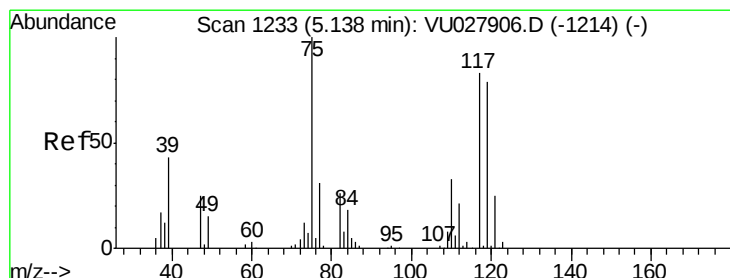
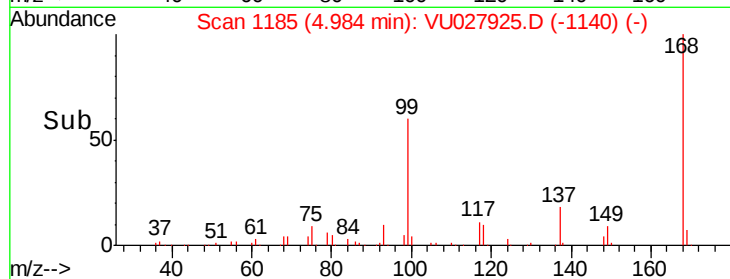
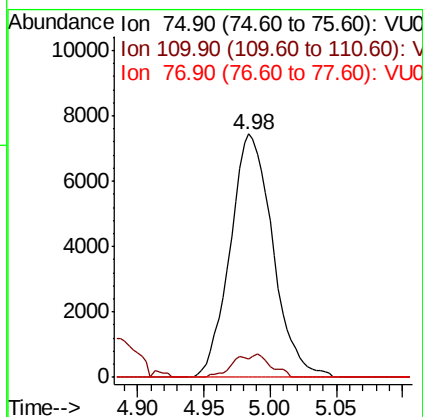
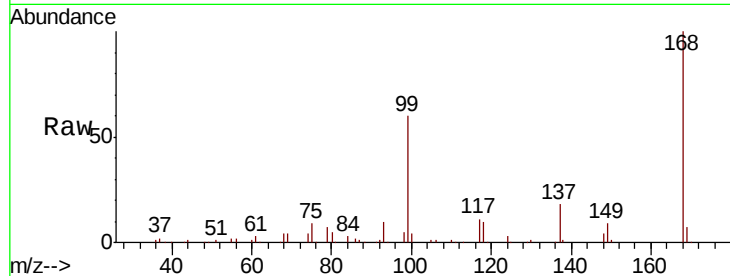




#36
 1,1-Dichloropropene
 Concen: 4.654 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027925.D
 Acq: 02 Nov 2018 14:51

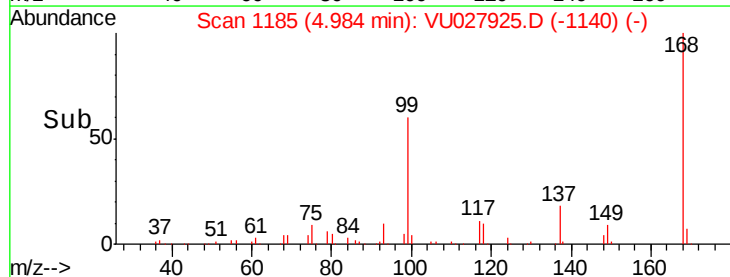
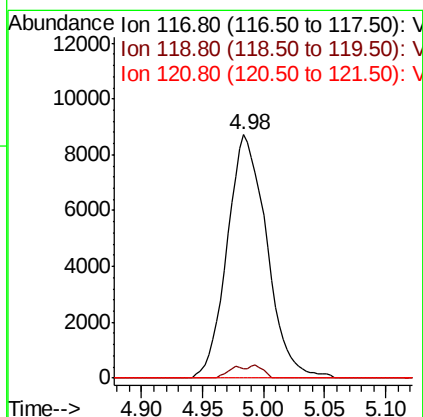
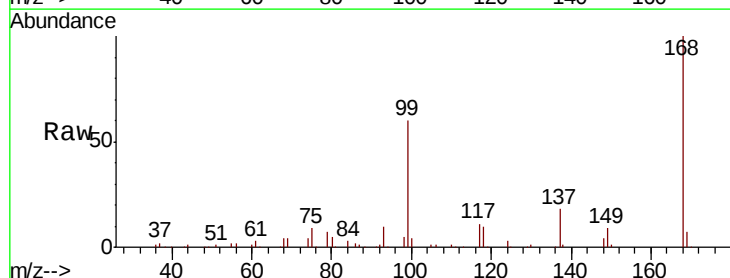
Instrument :
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 TP-6

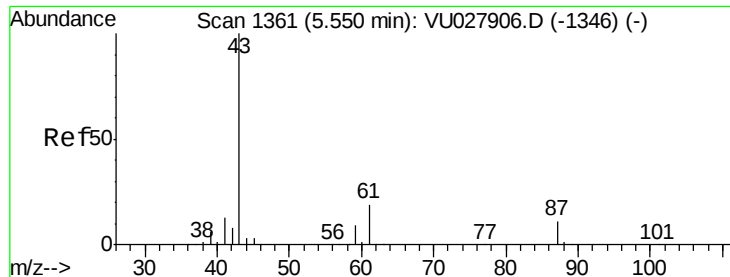
Tot Ion	75	Resp	16617
Ion Ratio	Lower	Upper	
75	100		
110	4.0	16.5	49.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.219 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027925.D
 Acq: 02 Nov 2018 14:51

Tgt Ion	117	Resp	19677
Ion Ratio	Lower	Upper	
117	100		
119	3.7	76.0	114.0#
121	0.0	24.5	36.7#





#43

Isopropyl Acetate

Concen: 23.923 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027925.D

Acq: 02 Nov 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

TP-6

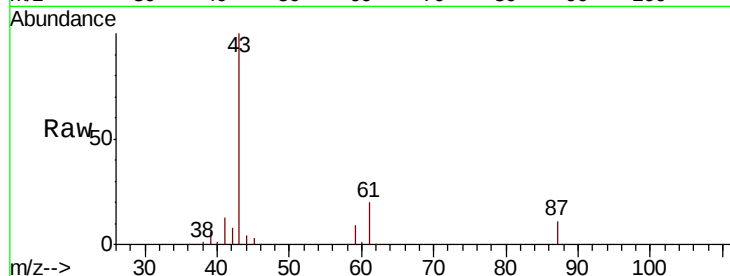
Tot Ion: 43 Resp: 196074

Ion Ratio Lower Upper

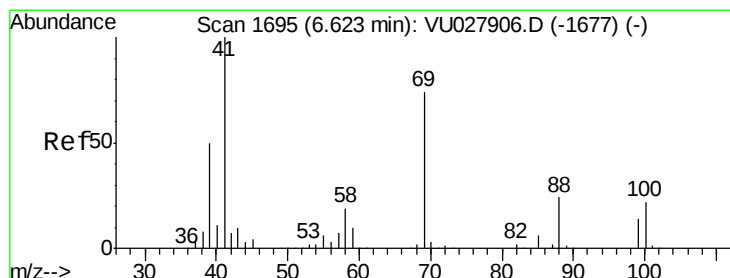
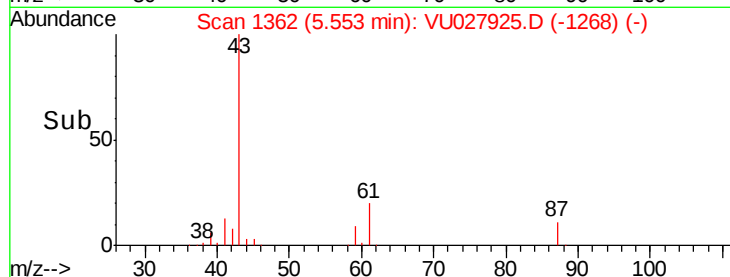
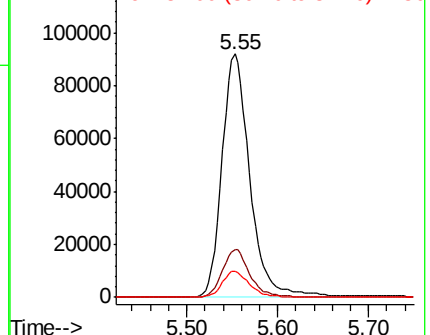
43 100

61 19.2 15.0 22.4

87 10.7 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

Methyl methacrylate

Concen: 4.204 ug/l

RT: 6.71 min Scan# 1722

Delta R.T. 0.09 min

Lab File: VU027925.D

Acq: 02 Nov 2018 14:51

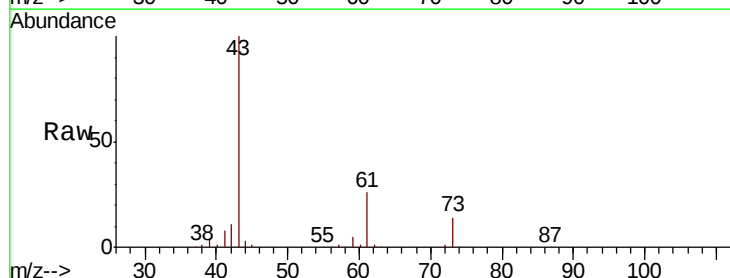
Tgt Ion: 41 Resp: 16885

Ion Ratio Lower Upper

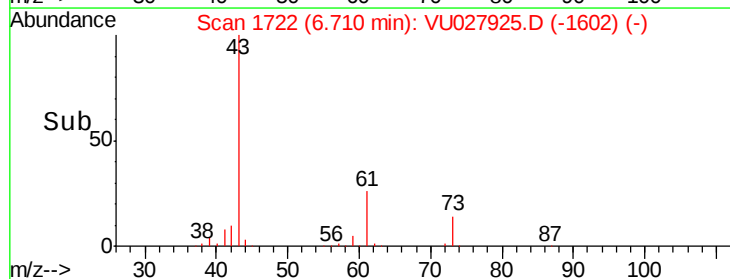
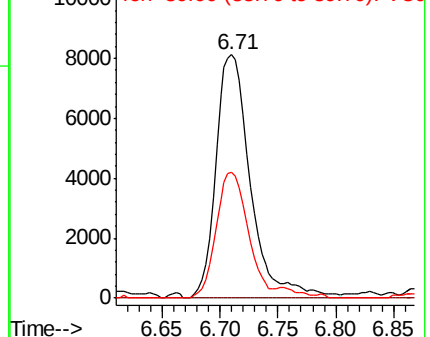
41 100

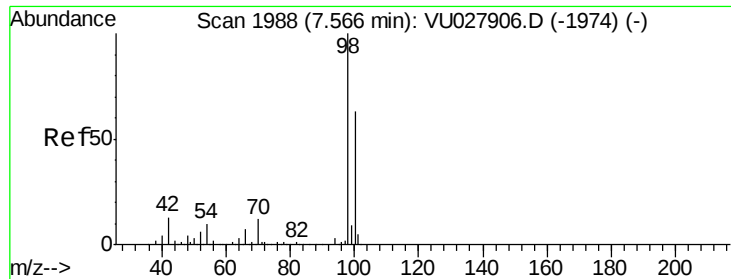
69 0.0 59.8 89.8#

39 47.5 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

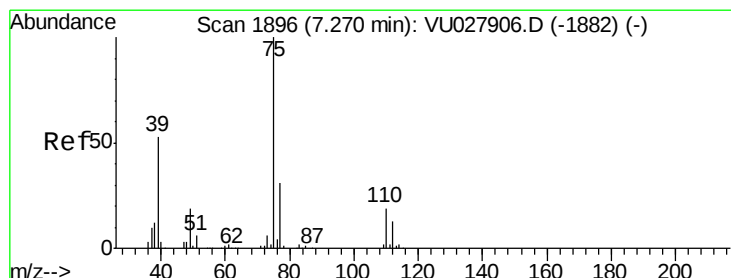
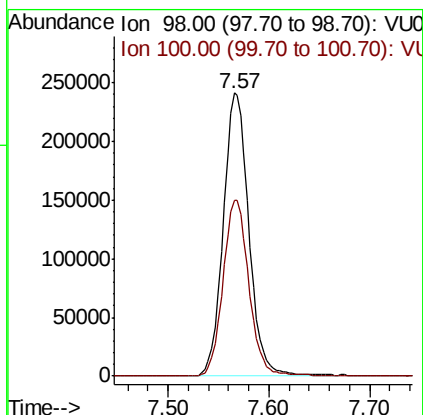
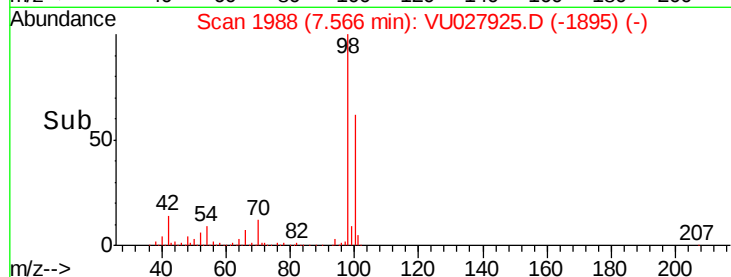
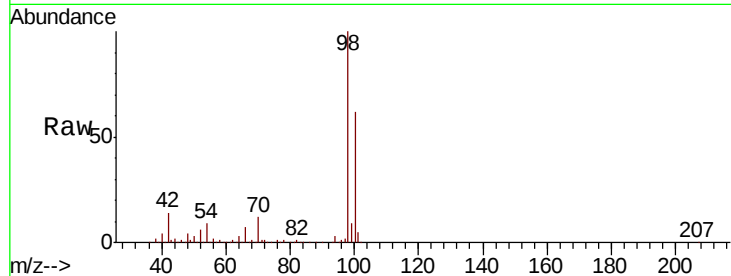




#50
Toluene-d8
Concen: 51.725 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

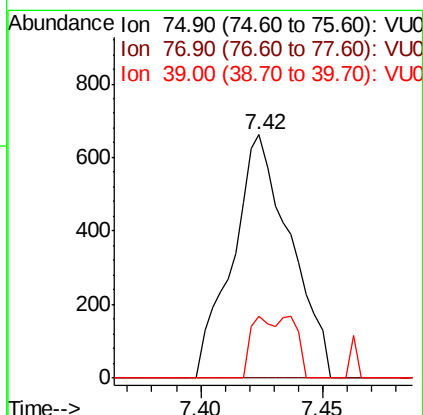
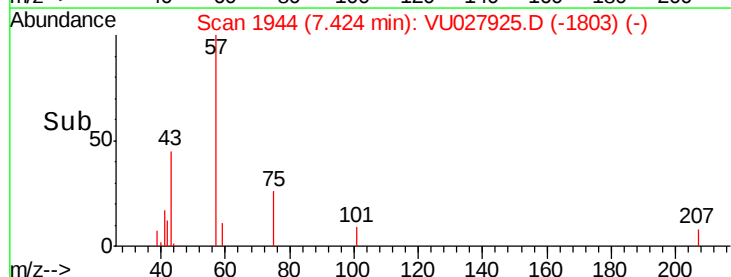
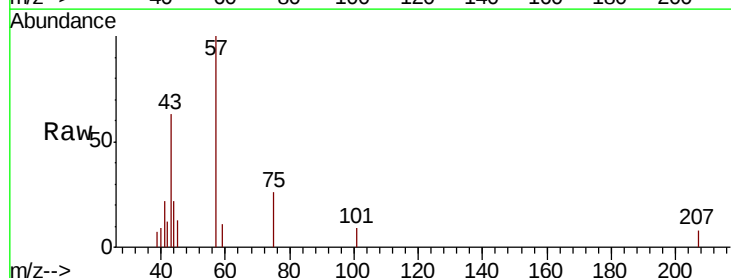
Instrument :
MSVOA_U
ClientSampled :
TP-6

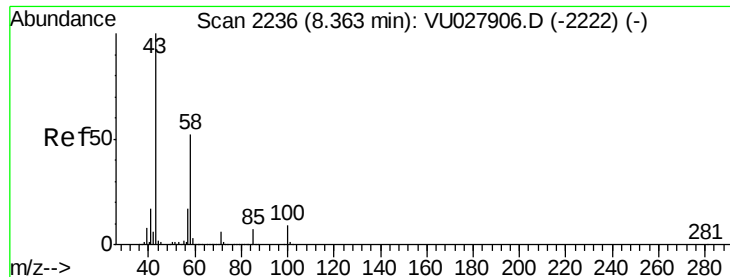
Tot Ion: 98 Resp: 429469
Ion Ratio Lower Upper
98 100
100 62.6 50.1 75.1



#54
cis-1,3-Dichloropropene
Concen: 0.253 ug/l
RT: 7.42 min Scan# 1944
Delta R.T. 0.15 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

Tgt Ion: 75 Resp: 1086
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 25.2 42.6 64.0#

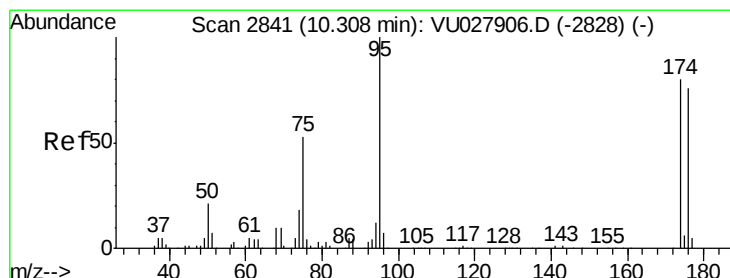
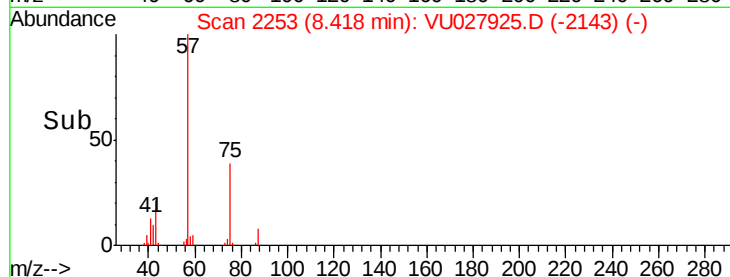
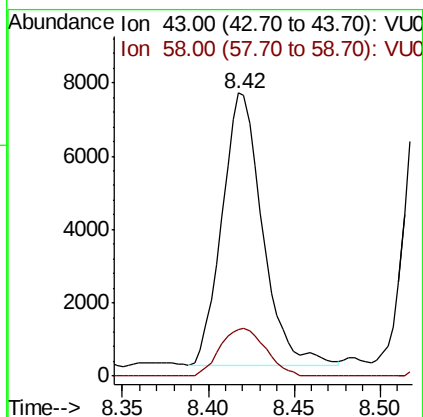
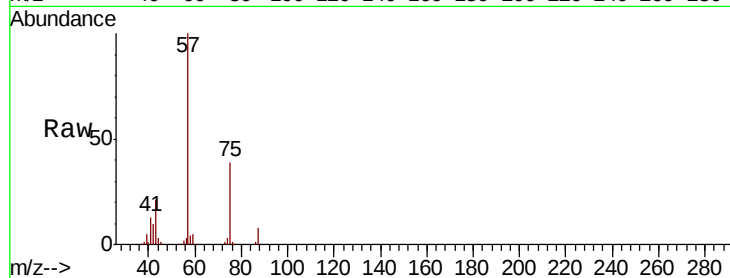




#59
2-Hexanone
Concen: 2.875 ug/l
RT: 8.42 min Scan# 2253
Delta R.T. 0.05 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

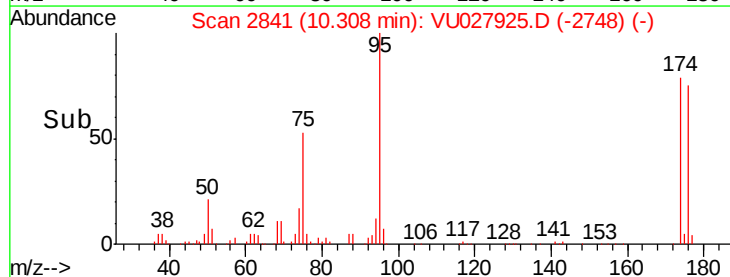
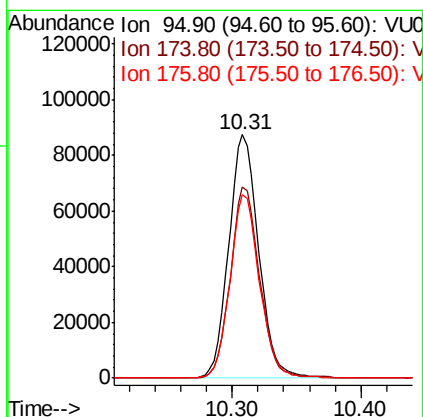
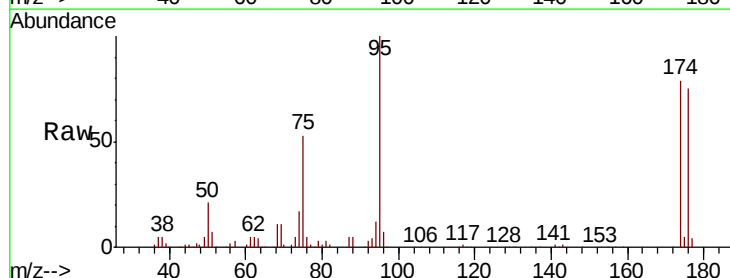
Instrument :
MSVOA_U
ClientSampleId :
TP-6

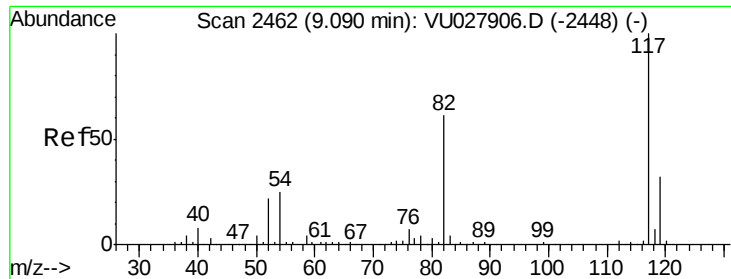
Tot Ion: 43 Resp: 12173
Ion Ratio Lower Upper
43 100
58 19.8 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 45.907 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

Tgt Ion: 95 Resp: 140592
Ion Ratio Lower Upper
95 100
174 76.9 0.0 156.4
176 74.6 0.0 150.8

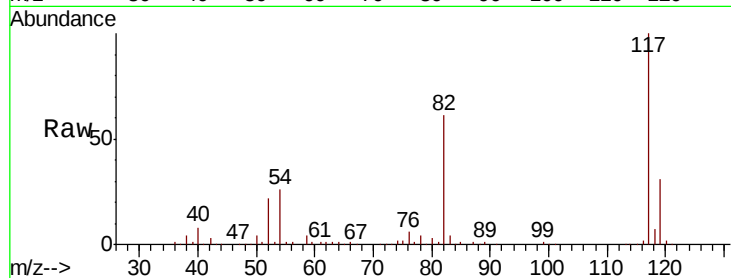




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027925.D
Acq: 02 Nov 2018 14:51

Instrument :
MSVOA_U
ClientSampleId :
TP-6

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	48.6	73.0
119	31.1	25.8	38.8

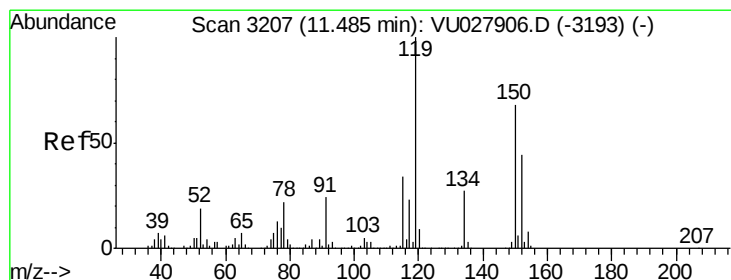
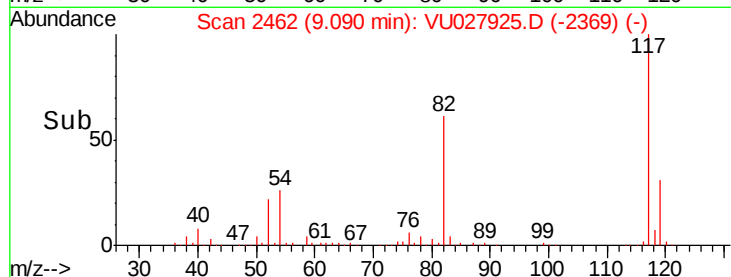
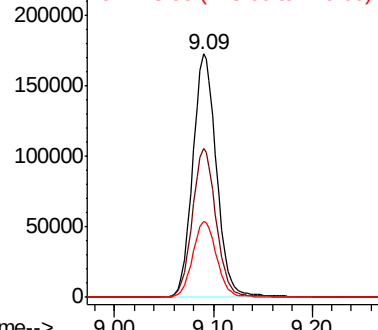


Abundance

Ion 116.90 (116.60 to 117.60): V

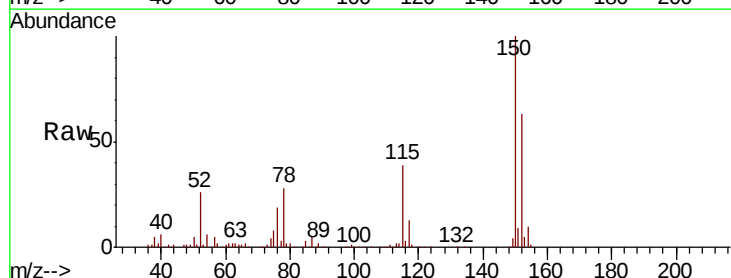
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VU027925.D
Acq: 02 Nov 2018 14:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	43.0	129.0
150	157.8	0.0	349.4

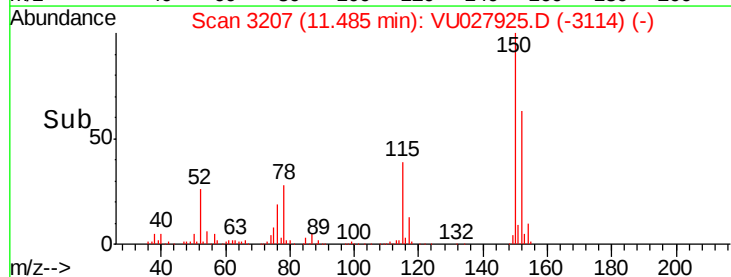
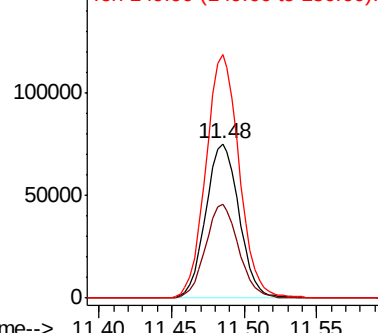


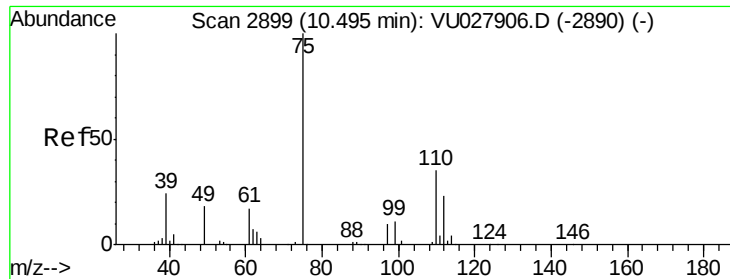
Abundance

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: 22.248 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027925.D

Acq: 02 Nov 2018 14:51

Instrument :

MSVOA_U

ClientSampled :

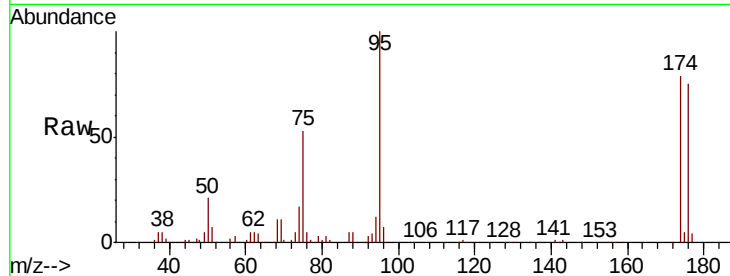
TP-6

Tot Ion: 75 Resp: 73169

Ion Ratio Lower Upper

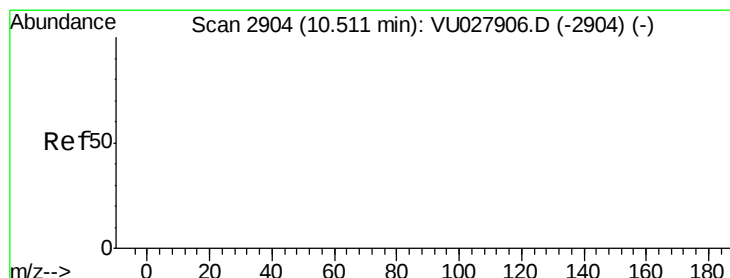
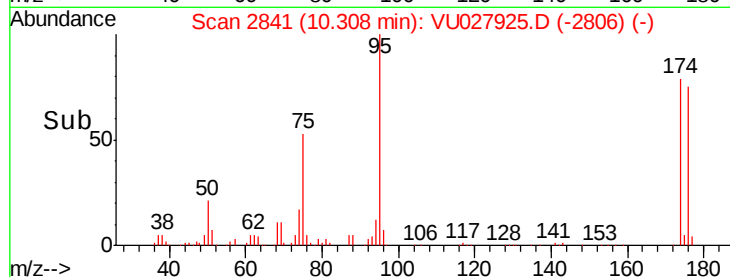
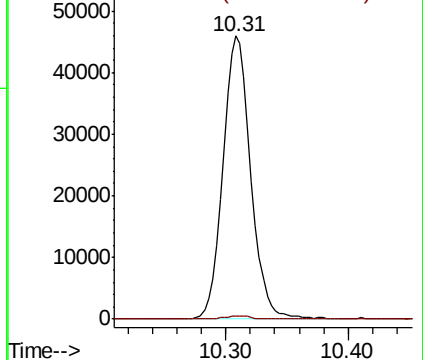
75 100

77 1.1 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: 55.518 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027925.D

Acq: 02 Nov 2018 14:51

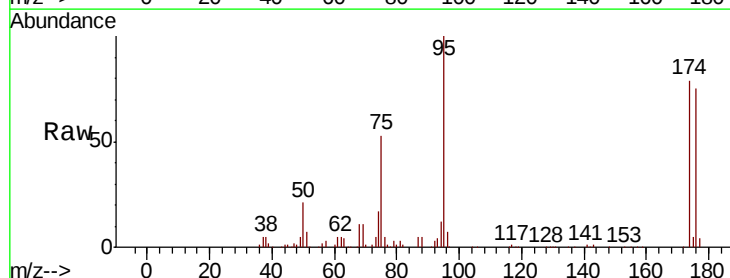
Tgt Ion: 75 Resp: 73169

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

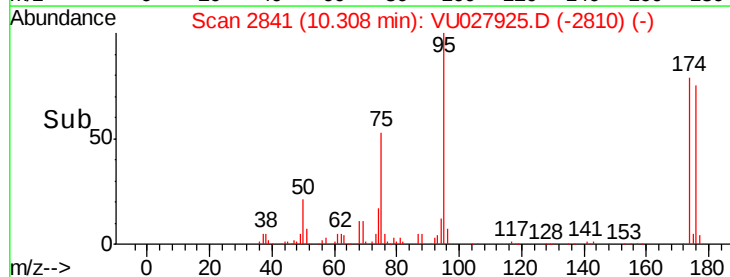
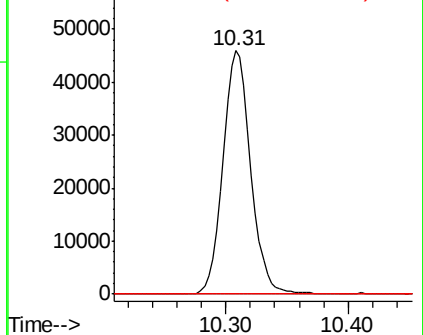
89 0.0 0.0 0.0

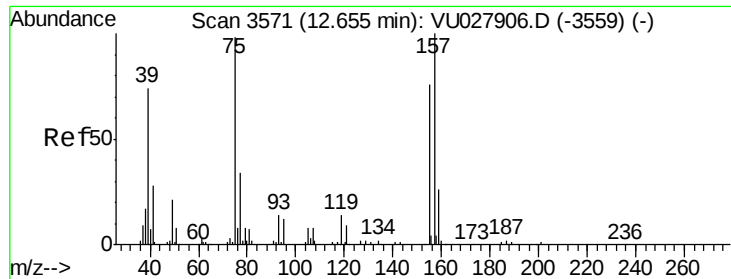


Abundance Ion 74.90 (74.60 to 75.60): VU0

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: 0.466 ug/l

RT: 12.48 min Scan# 3516

Delta R.T. -0.18 min

Lab File: VU027925.D

Acq: 02 Nov 2018 14:51

Instrument :

MSVOA_U

ClientSampleId :

TP-6

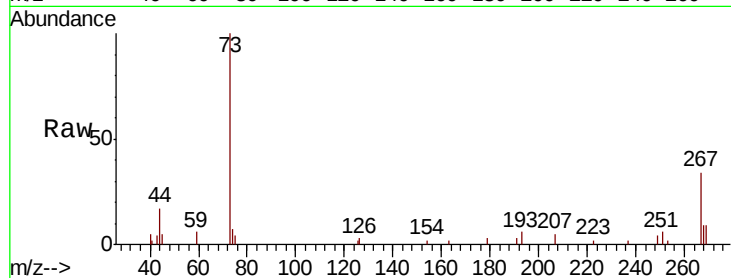
Tot Ion: 75 Resp: 369

Ion Ratio Lower Upper

75 100

155 12.2 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

