

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
 Data File : VU027293.D
 Acq On : 29 Sep 2018 00:23
 Operator : MD/SY
 Sample : PB113306ZHE#04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB113306ZHE#04

Quant Time: Sep 29 01:42:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	111362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	188324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86597	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	105671	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
35) Dibromofluoromethane	4.89	113	75267	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
50) Toluene-d8	7.57	98	295229	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
62) 4-Bromofluorobenzene	10.31	95	100602	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	

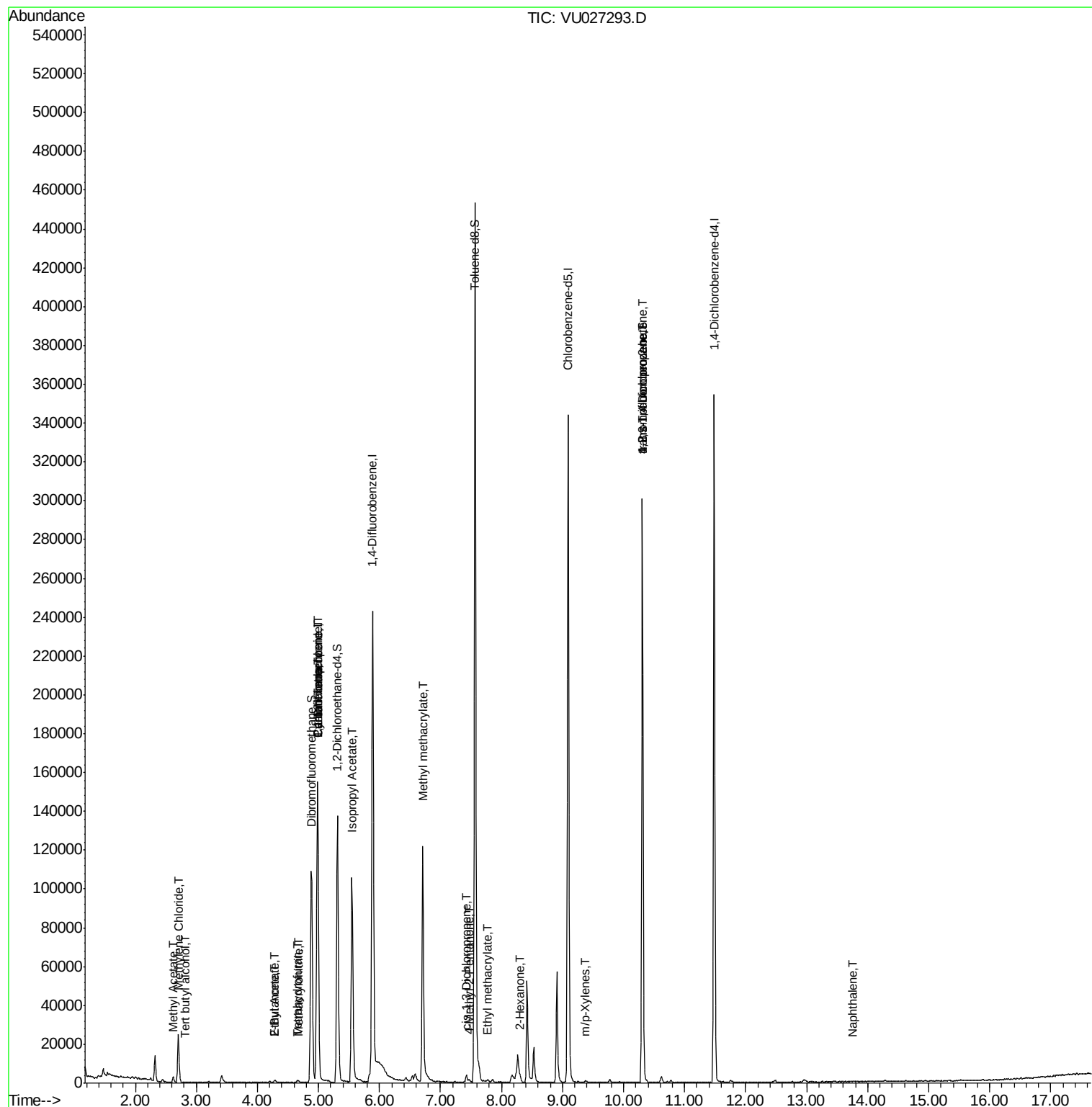
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	122	0.237	ug/l #	72
16) Acetone	2.32	43	14004	Below Cal		100
18) Methyl Acetate	2.62	43	3748	1.175	ug/l #	90
20) Methylene Chloride	2.70	84	10070	5.017	ug/l	98
25) 2-Butanone	4.29	43	2279	1.210	ug/l	100
29) Tetrahydrofuran	4.66	42	813	0.714	ug/l #	43
31) Cyclohexane	4.98	56	2677	0.229	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	10061	4.003	ug/l #	50
37) Ethyl Acetate	4.29	43	2279	0.670	ug/l #	70
38) Carbon Tetrachloride	4.98	117	11156	4.664	ug/l #	17
41) Methacrylonitrile	4.66	41	423	0.239	ug/l #	28
43) Isopropyl Acetate	5.55	43	123549	24.899	ug/l	99
48) Methyl methacrylate	6.71	41	11874	5.319	ug/l #	44
51) 4-Methyl-2-Pentanone	7.47	43	1387	0.416	ug/l	93
54) cis-1,3-Dichloropropene	7.42	75	635	0.202	ug/l #	66
56) Ethyl methacrylate	7.77	69	988	2.487	ug/l #	56
59) 2-Hexanone	8.31	43	1314	0.503	ug/l #	26
68) m/p-Xylenes	9.38	106	337	1.604	ug/l #	70
76) 1,2,3-Trichloropropane	10.31	75	52418	19.925	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	52418	63.763	ug/l #	100
95) Naphthalene	13.76	128	218	1.718	ug/l #	69

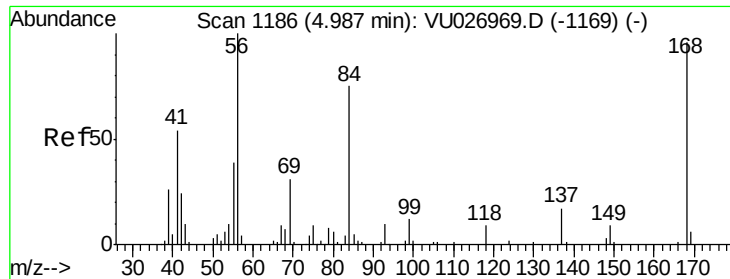
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 22 01:31:57 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: VU027293.D

Acq: 29 Sep 2018 00:23

Instrument :

MSVOA_U

ClientSampleId :

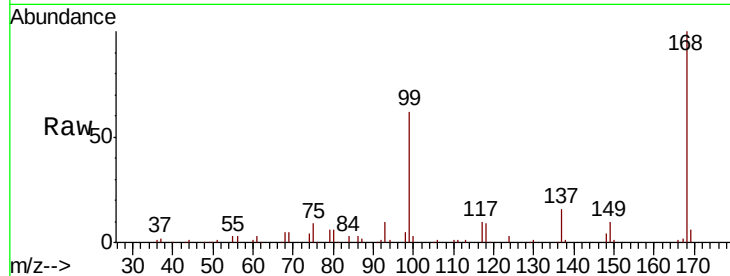
PB113306ZHE#04

Tgt Ion:168 Resp: 111362

Ion Ratio Lower Upper

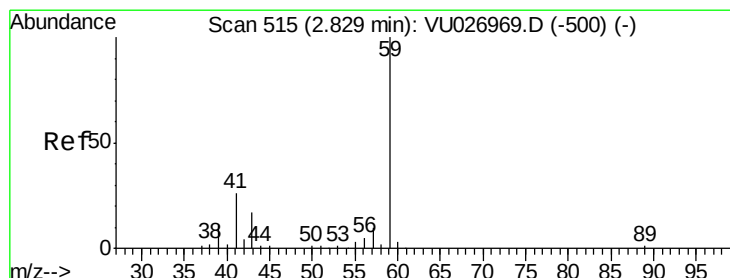
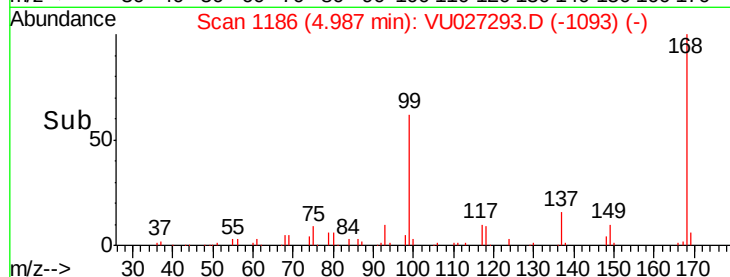
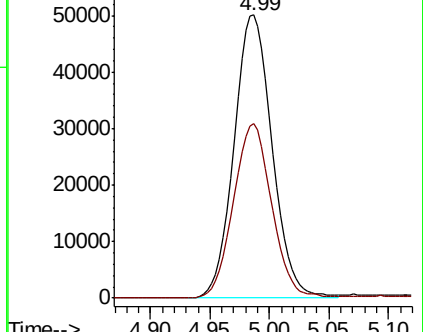
168 100

99 61.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)



#11

Tert butyl alcohol

Concen: 0.237 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027293.D

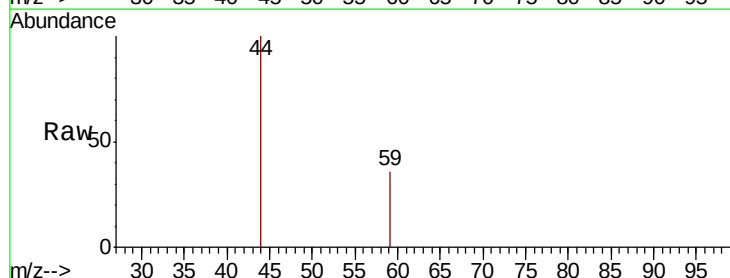
Acq: 29 Sep 2018 00:23

Tgt Ion: 59 Resp: 122

Ion Ratio Lower Upper

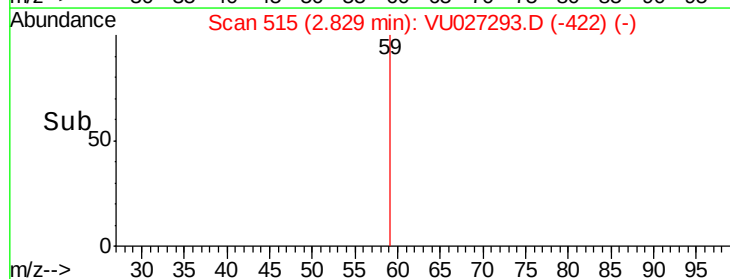
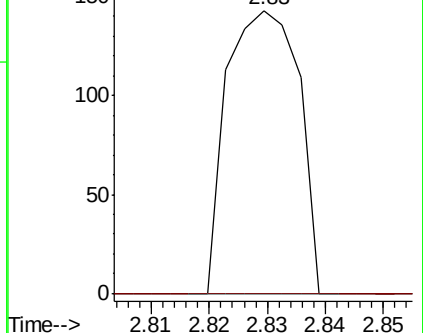
59 100

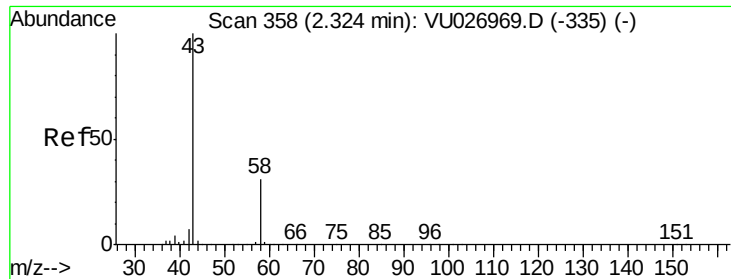
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027293.D

Acq: 29 Sep 2018 00:23

Instrument :

MSVOA_U

ClientSampleId :

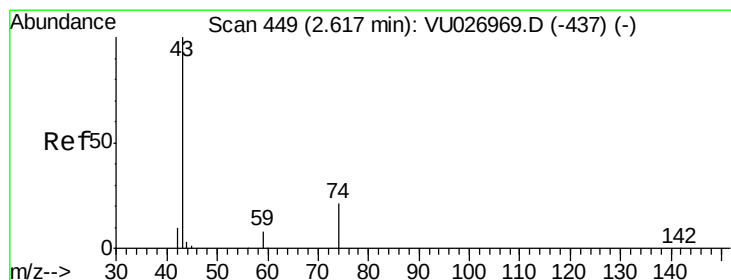
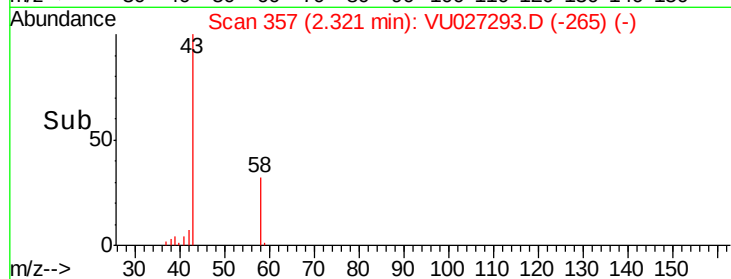
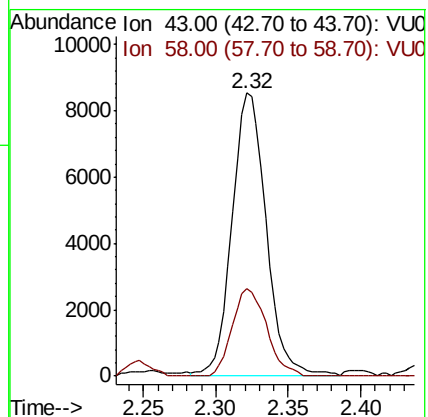
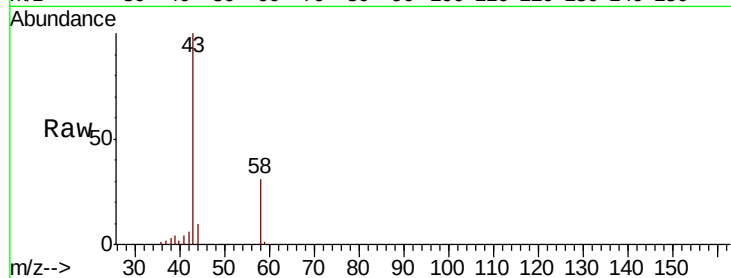
PB113306ZHE#04

Tgt Ion: 43 Resp: 14004

Ion Ratio Lower Upper

43 100

58 30.9 24.6 36.8



#18

Methyl Acetate

Concen: 1.175 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027293.D

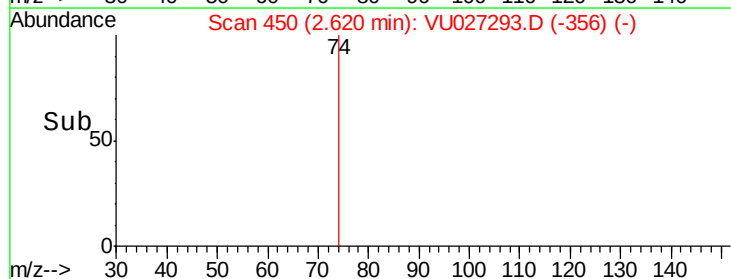
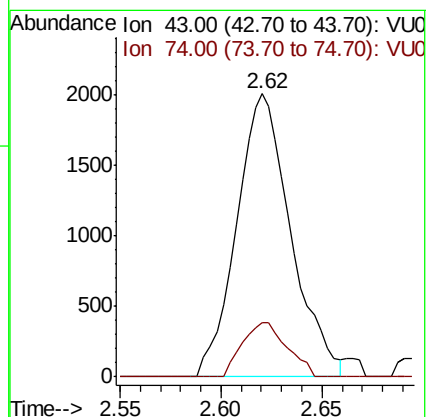
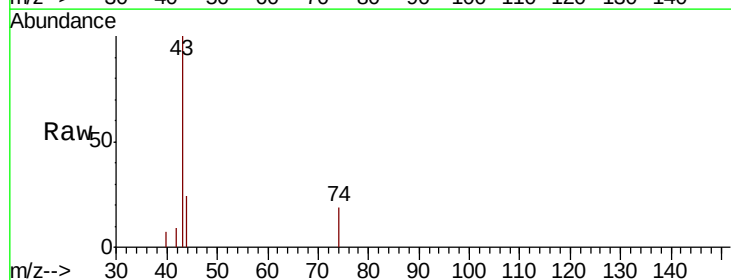
Acq: 29 Sep 2018 00:23

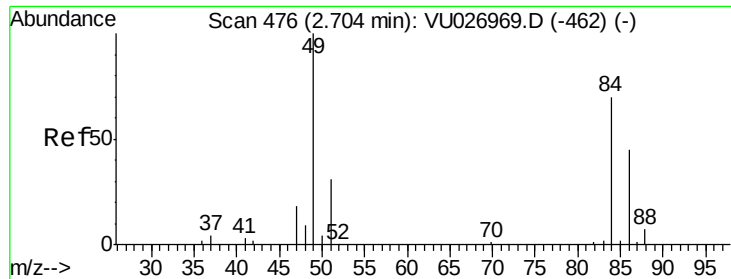
Tgt Ion: 43 Resp: 3748

Ion Ratio Lower Upper

43 100

74 16.0 16.6 25.0#

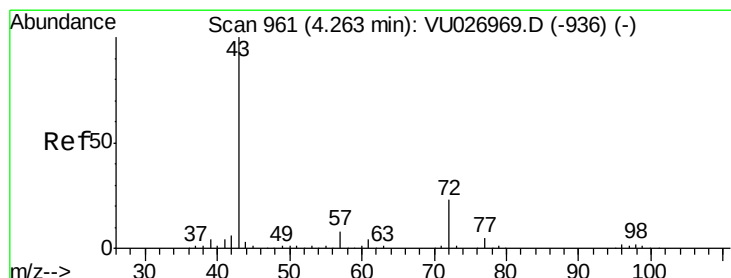
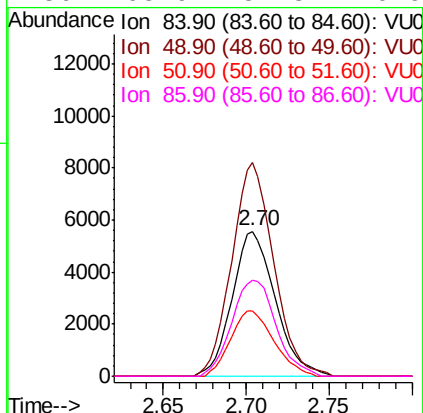
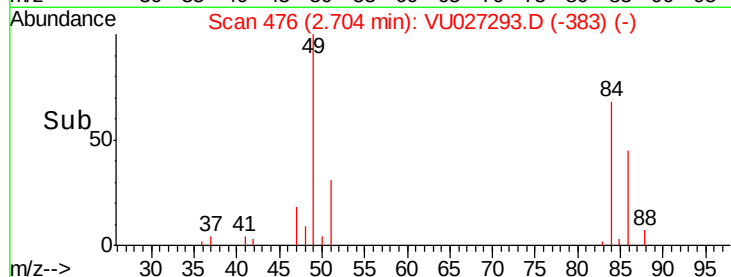
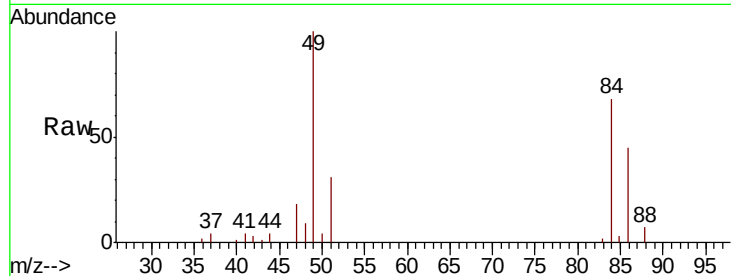




#20
Methylene Chloride
Concen: 5.017 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027293.D
Acq: 29 Sep 2018 00:23

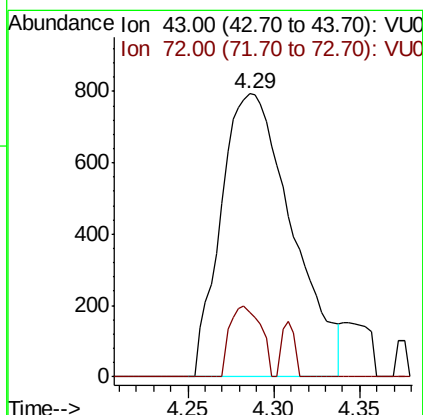
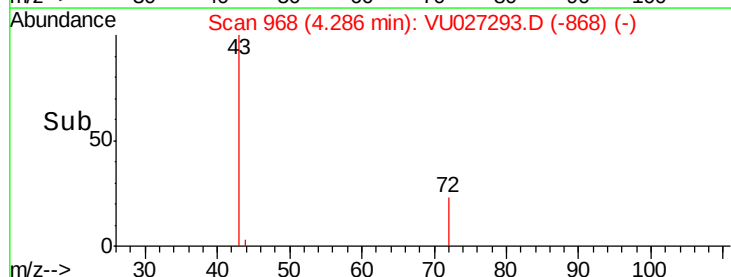
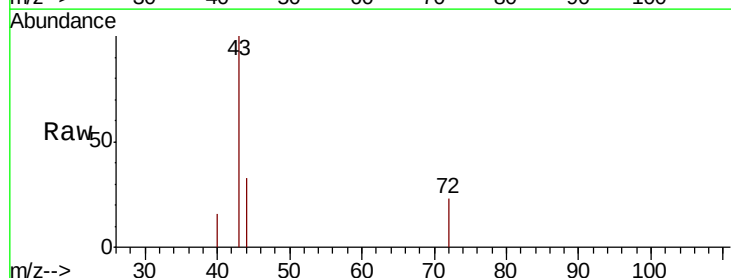
Instrument :
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ClientSampleId :
PB113306ZHE#04

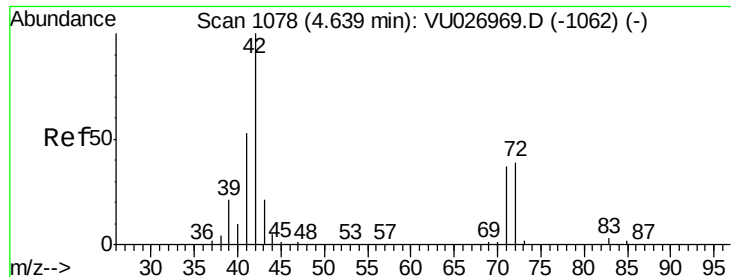
Tgt Ion:	84	Resp:	10070
Ion	Ratio	Lower	Upper
84	100		
49	147.4	114.9	172.3
51	45.1	35.8	53.8
86	65.9	51.3	76.9



#25
2-Butanone
Concen: 1.210 ug/l
RT: 4.29 min Scan# 968
Delta R.T. 0.02 min
Lab File: VU027293.D
Acq: 29 Sep 2018 00:23

Tgt Ion:	43	Resp:	2279
Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6

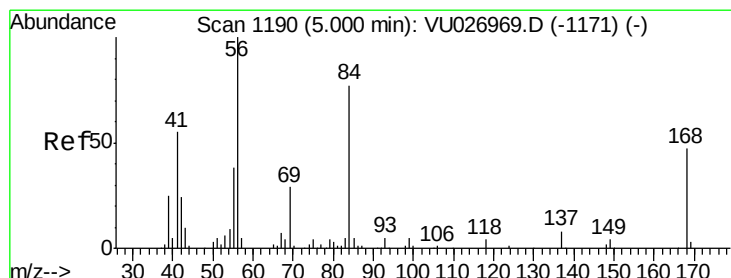
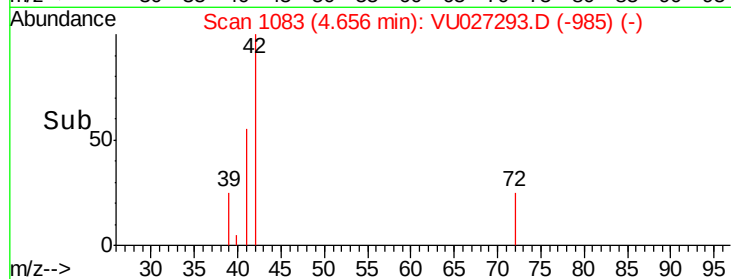
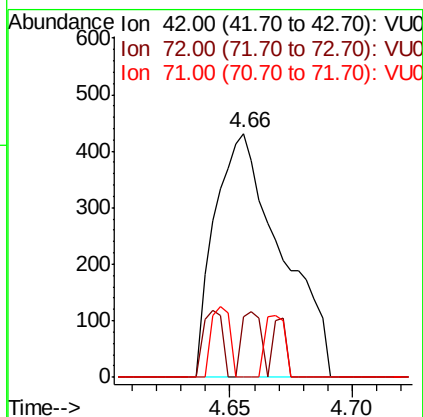
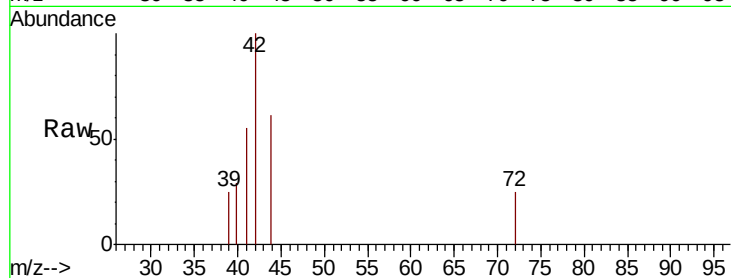




#29
Tetrahydrofuran
Concen: 0.714 ug/l
RT: 4.66 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VU027293.D
Acq: 29 Sep 2018 00:23

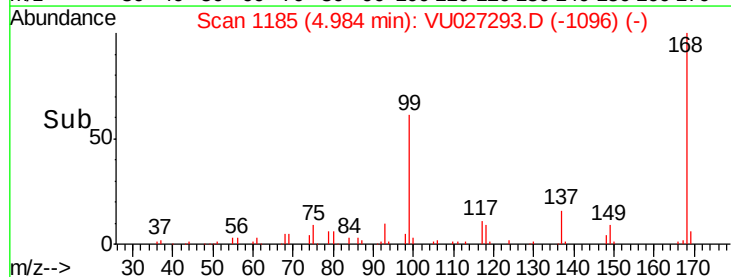
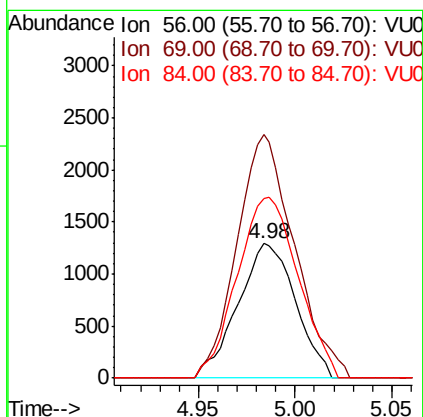
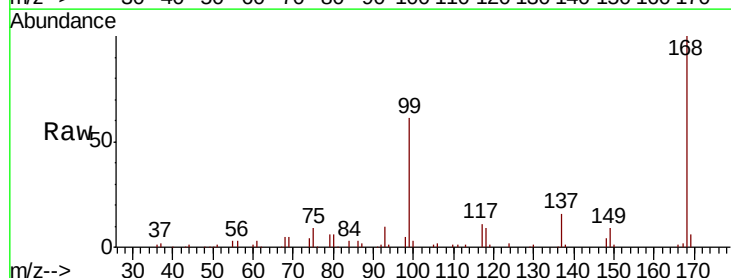
Instrument :
MSVOA_U
ClientSampleId :
PB113306ZHE#04

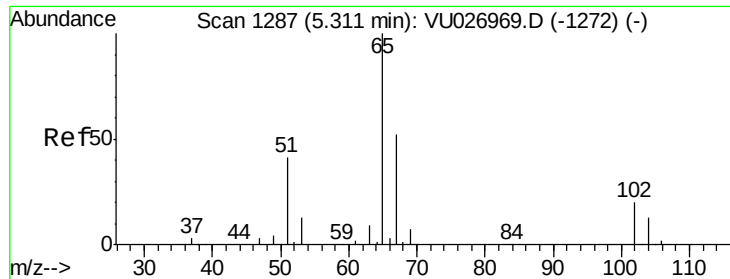
Tgt Ion: 42 Resp: 813
Ion Ratio Lower Upper
42 100
72 7.7 31.7 47.5#
71 0.0 29.6 44.4#



#31
Cyclohexane
Concen: 0.229 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027293.D
Acq: 29 Sep 2018 00:23

Tgt Ion: 56 Resp: 2677
Ion Ratio Lower Upper
56 100
69 181.2 23.0 34.4#
84 133.3 61.4 92.2#

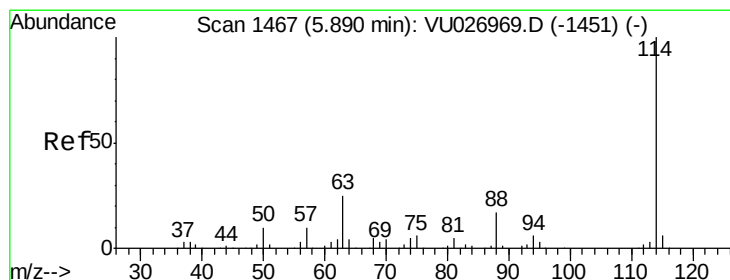
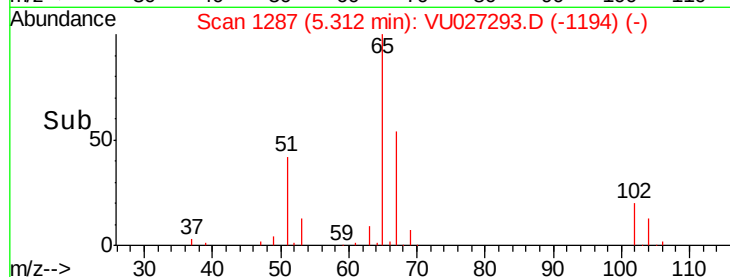
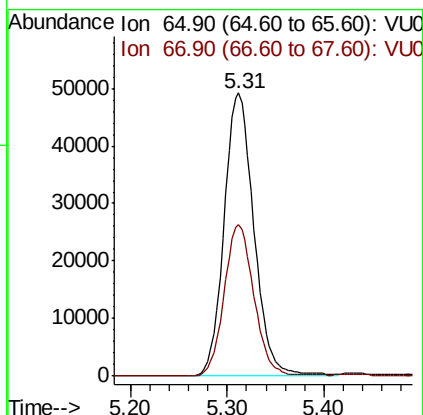
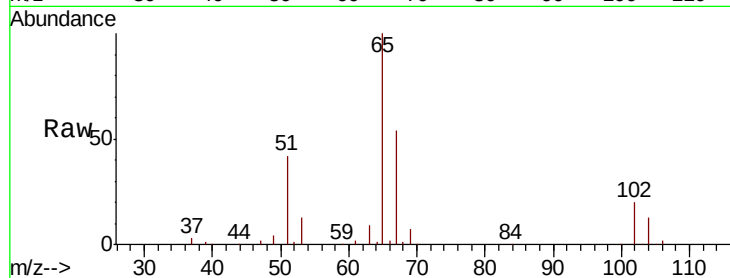




#33
 1,2-Dichloroethane-d4
 Concen: 47.146 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

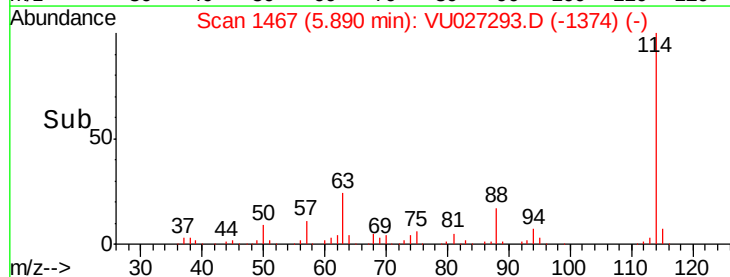
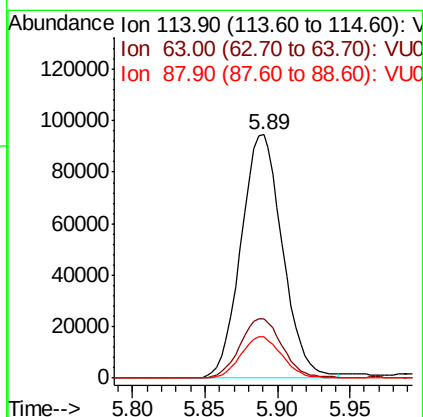
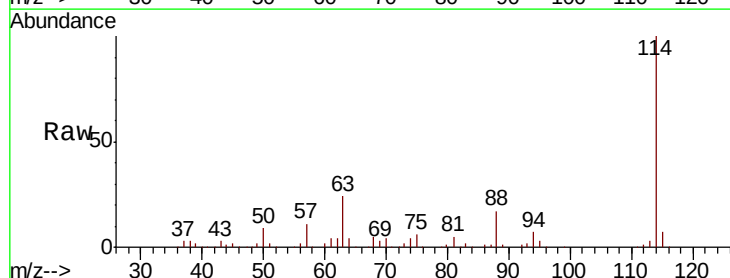
Instrument :
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 PB113306ZHE#04

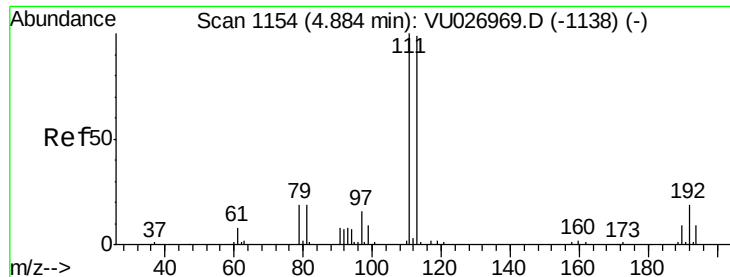
Tgt Ion: 65 Resp: 105671
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

Tgt Ion: 114 Resp: 188324
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.8 0.0 33.8

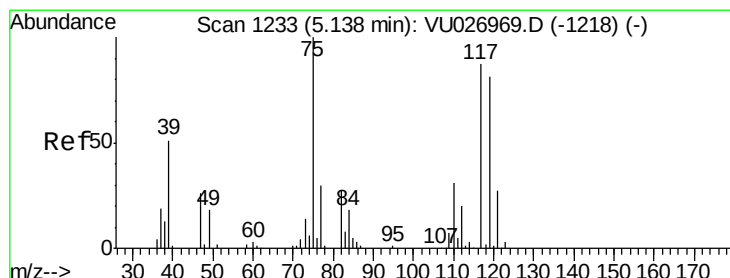
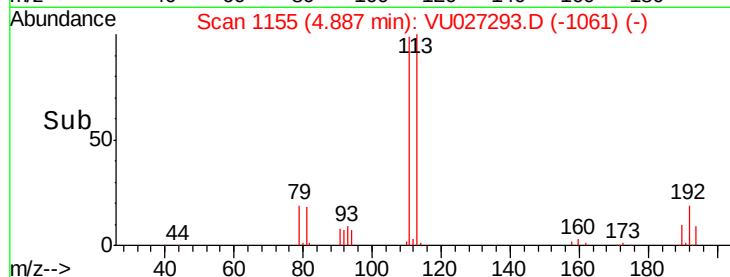
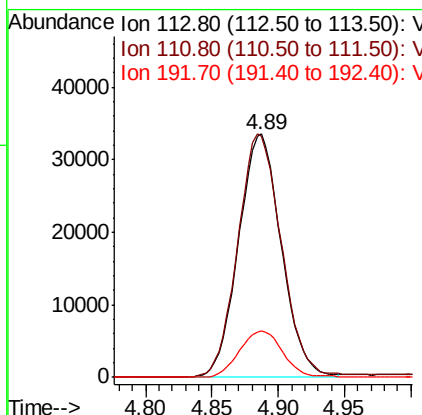
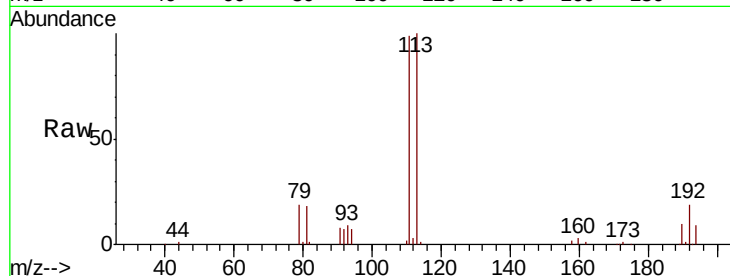




#35
 Dibromofluoromethane
 Concen: 46.108 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

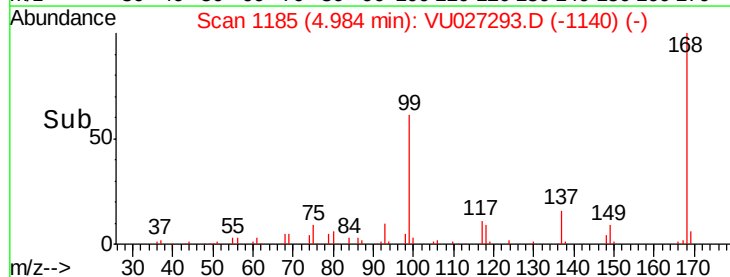
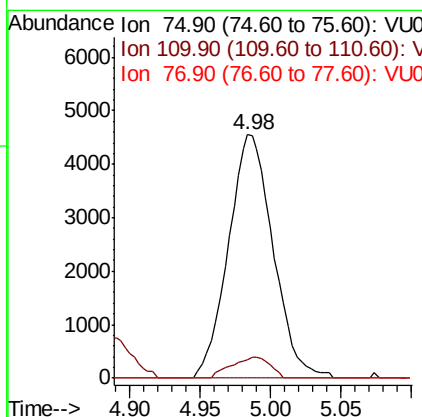
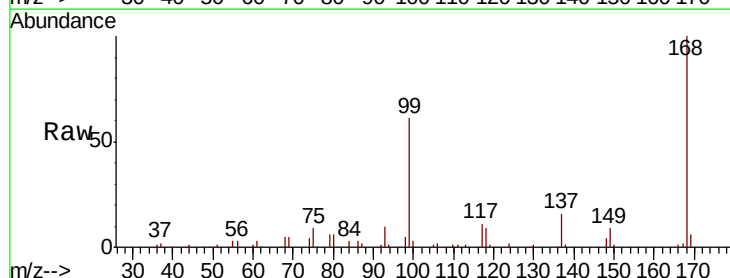
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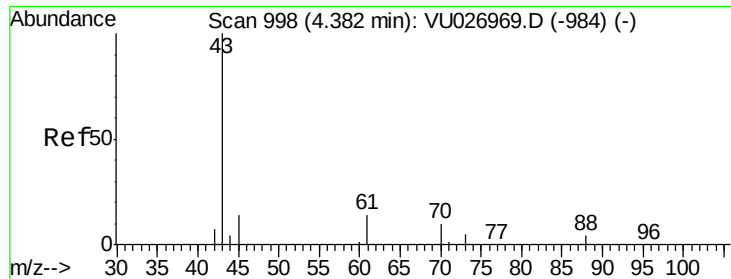
Tgt Ion:113 Resp: 75267
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 19.3 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.003 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

Tgt Ion: 75 Resp: 10061
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.1 48.2#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.670 ug/l

RT: 4.29 min Scan# 968

Delta R.T. -0.10 min

Lab File: VU027293.D

Acq: 29 Sep 2018 00:23

Instrument :

MSVOA_U

ClientSampleId :

PB113306ZHE#04

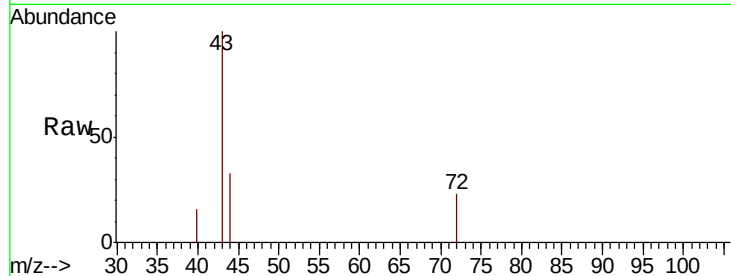
Tgt Ion: 43 Resp: 2279

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

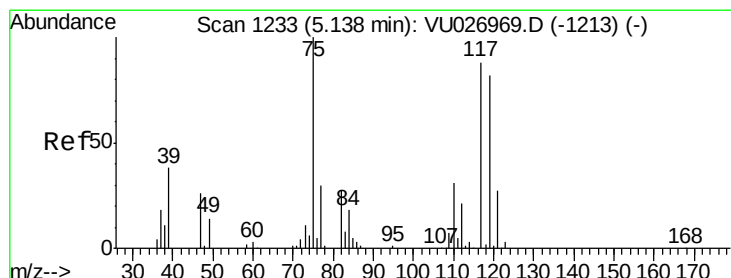
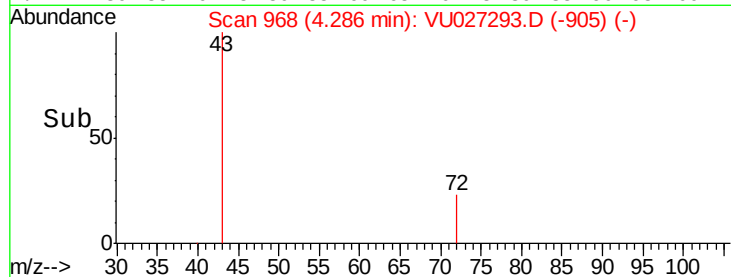
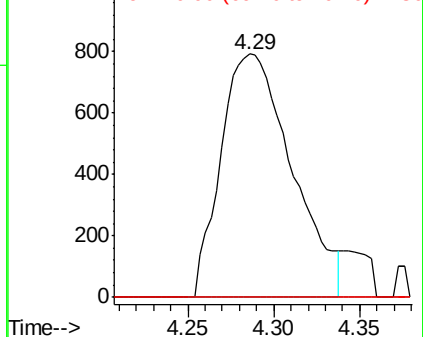
70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU027293.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU027293.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027293.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 4.664 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027293.D

Acq: 29 Sep 2018 00:23

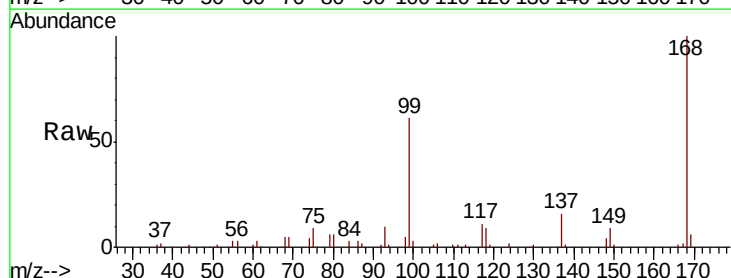
Tgt Ion: 117 Resp: 11156

Ion Ratio Lower Upper

117 100

119 4.8 74.4 111.6#

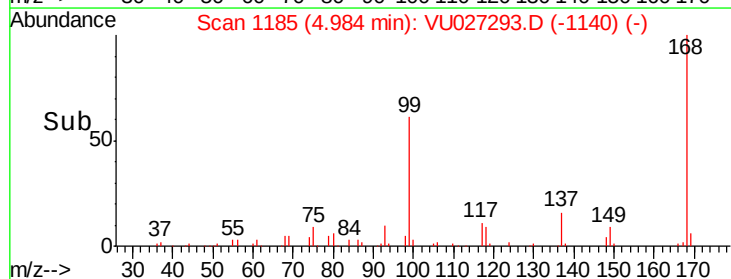
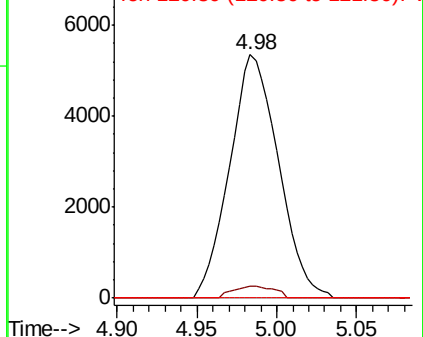
121 0.0 24.2 36.4#

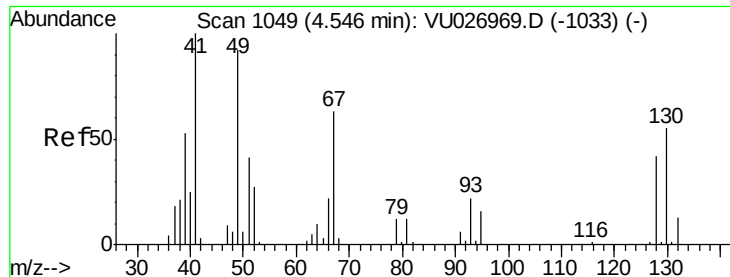


Abundance Ion 116.80 (116.50 to 117.50): VU027293.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027293.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027293.D (-1140) (-)





#41

Methacrylonitrile

Concen: 0.239 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.11 min

Lab File: VU027293.D

Acq: 29 Sep 2018 00:23

Instrument :

MSVOA_U

ClientSampleId :

PB113306ZHE#04

Tgt Ion: 41 Resp: 423

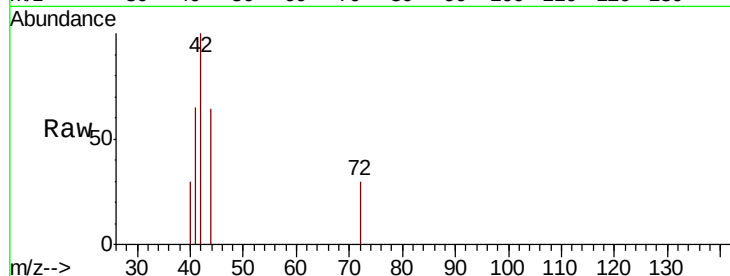
Ion Ratio Lower Upper

41 100

39 4.5 42.9 64.3#

67 0.0 52.4 78.6#

52 0.0 21.3 31.9#

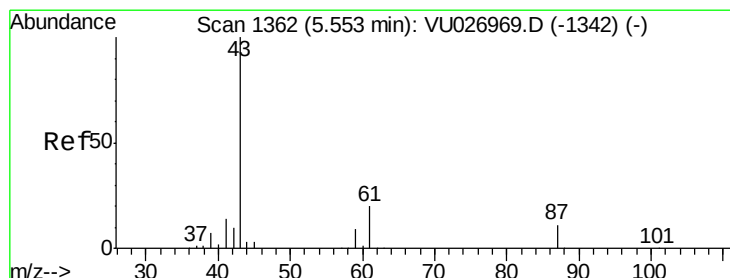
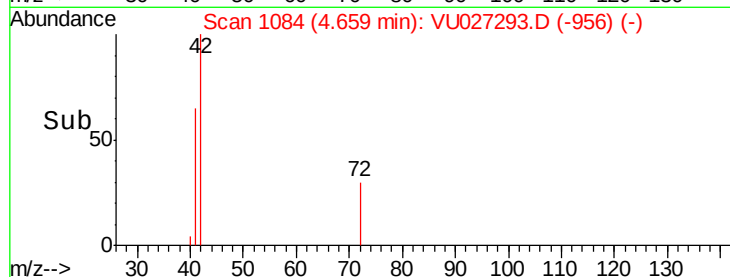
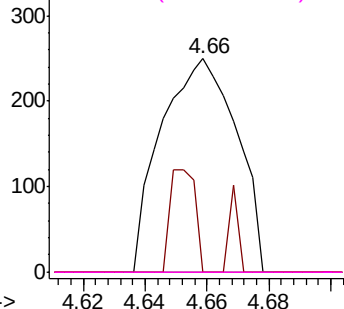


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#43

Isopropyl Acetate

Concen: 24.899 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027293.D

Acq: 29 Sep 2018 00:23

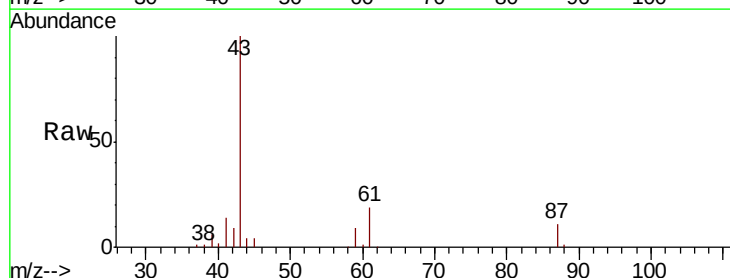
Tgt Ion: 43 Resp: 123549

Ion Ratio Lower Upper

43 100

61 18.9 15.7 23.5

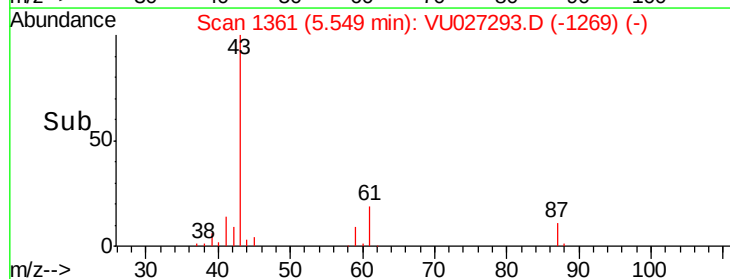
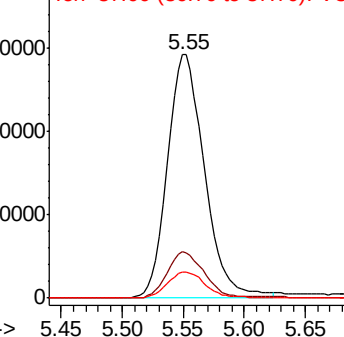
87 11.0 9.0 13.4

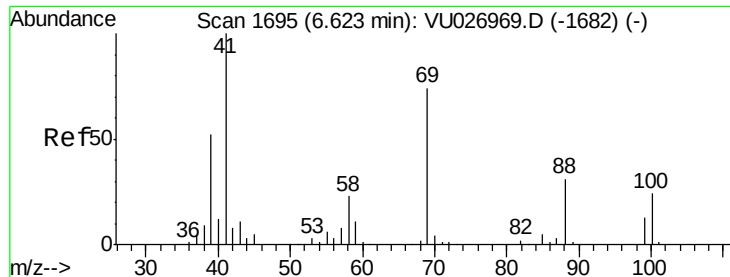


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

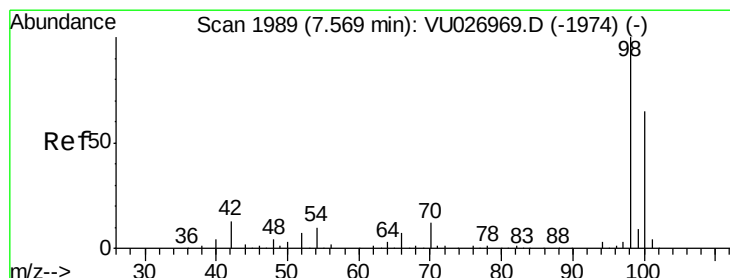
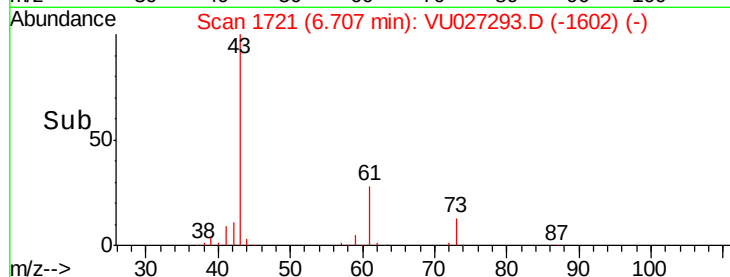
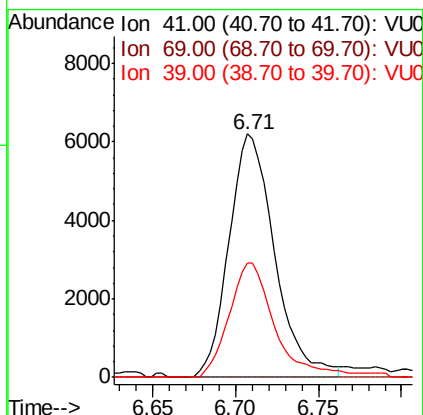
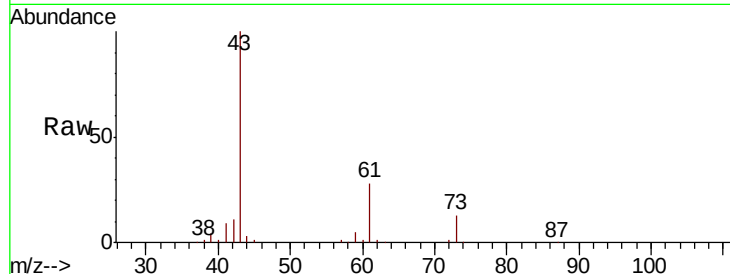




#48
Methyl methacrylate
Concen: 5.319 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.08 min
Lab File: VU027293.D
Acq: 29 Sep 2018 00:23

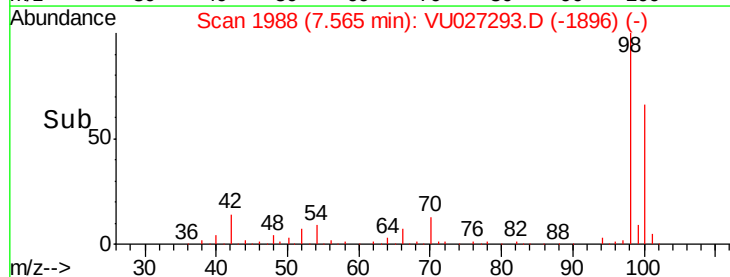
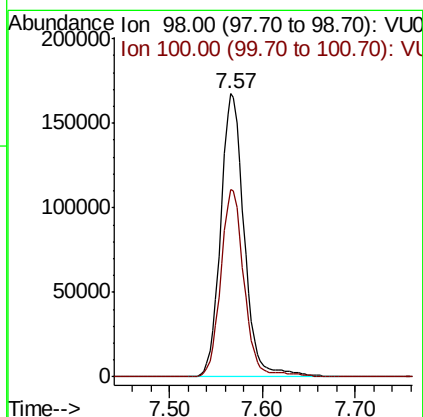
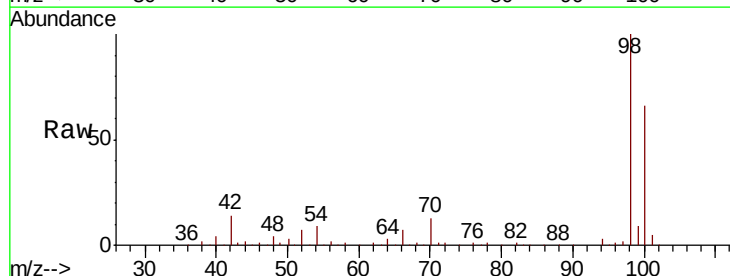
Instrument :
MSVOA_U
ClientSampleId :
PB113306ZHE#04

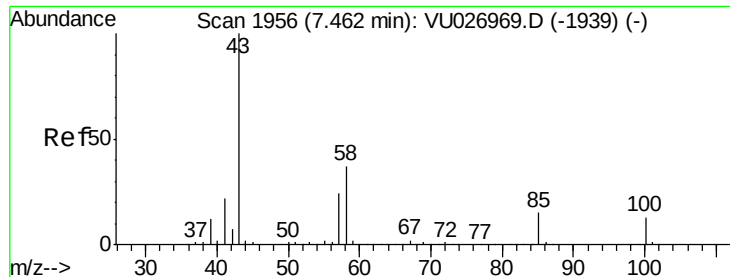
Tgt Ion: 41 Resp: 11874
Ion Ratio Lower Upper
41 100
69 0.0 60.6 90.8#
39 46.6 42.8 64.2



#50
Toluene-d8
Concen: 47.456 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027293.D
Acq: 29 Sep 2018 00:23

Tgt Ion: 98 Resp: 295229
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1

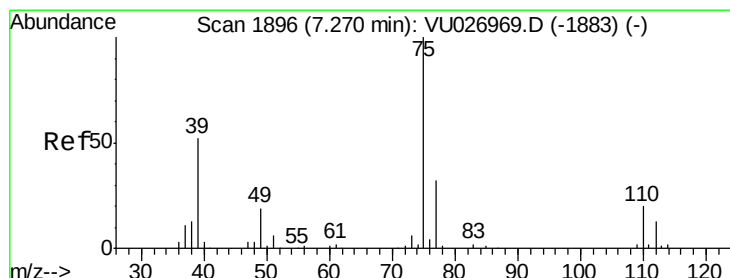
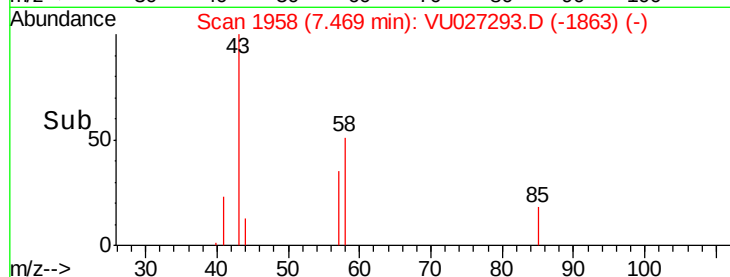
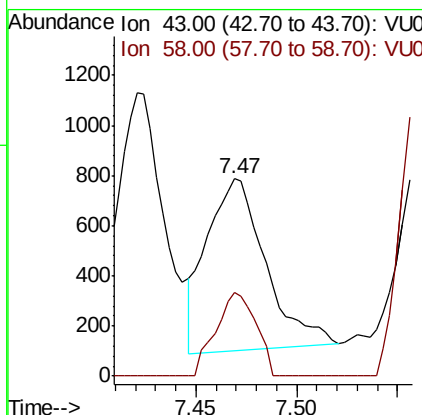
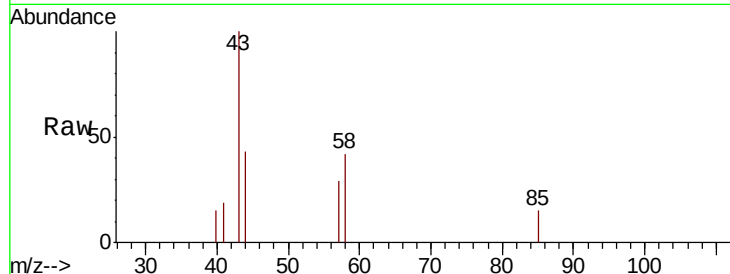




#51
 4-Methyl-2-Pentanone
 Concen: 0.416 ug/l
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

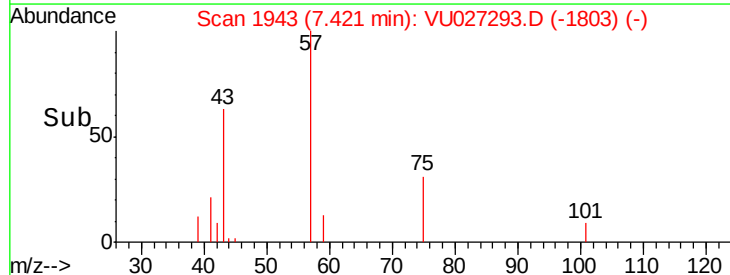
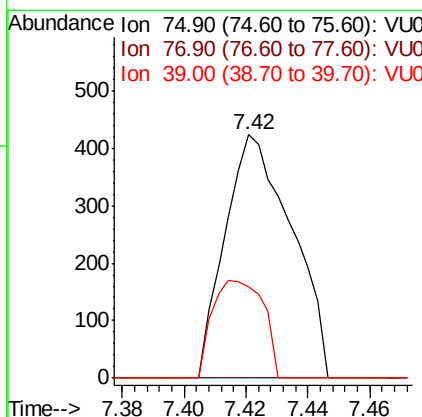
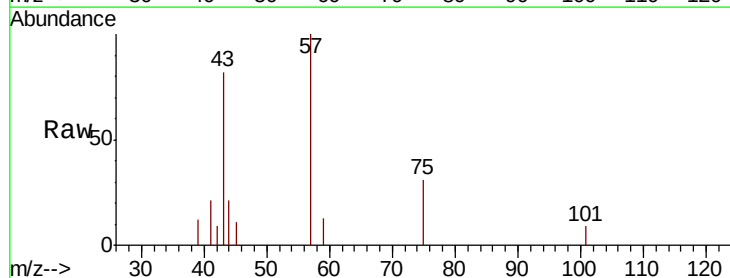
Instrument :
 MSVOA_U
 ClientSampleId :
 PB113306ZHE#04

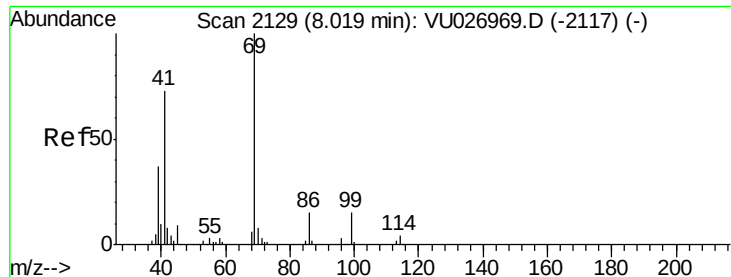
Tgt Ion: 43 Resp: 1387
 Ion Ratio Lower Upper
 43 100
 58 33.1 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 0.202 ug/l
 RT: 7.42 min Scan# 1943
 Delta R.T. 0.15 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

Tgt Ion: 75 Resp: 635
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 37.7 41.6 62.4#

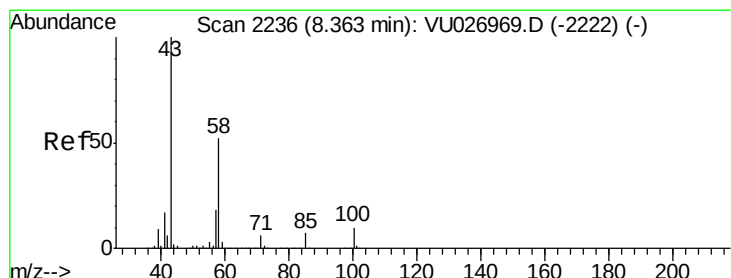
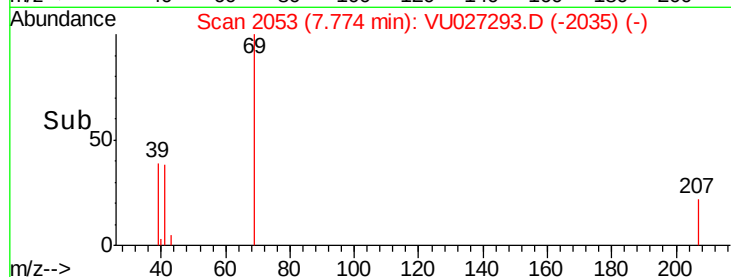
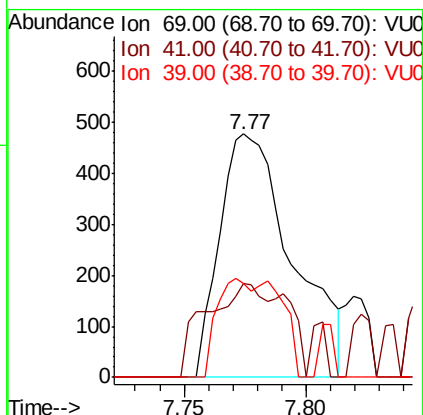
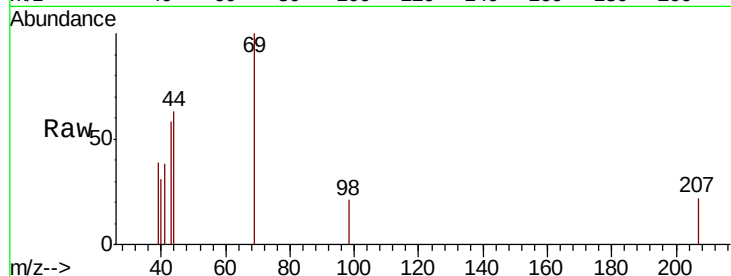




#56
 Ethyl methacrylate
 Concen: 2.487 ug/l
 RT: 7.77 min Scan# 2053
 Delta R.T. -0.24 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

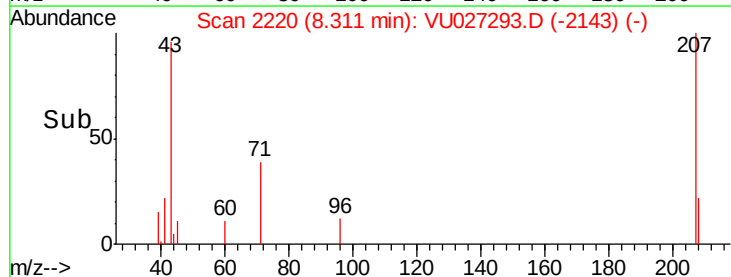
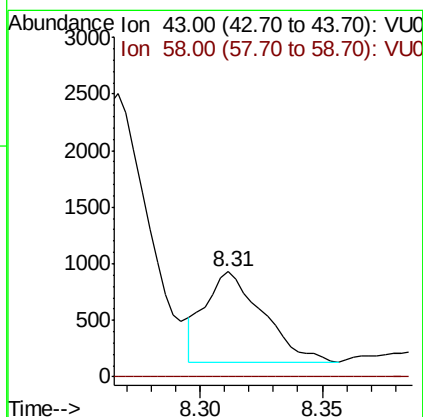
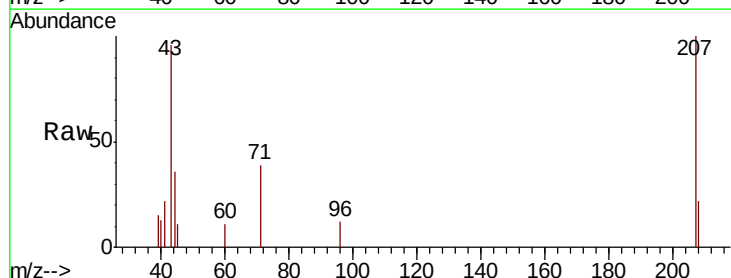
Instrument :
 MSVOA_U
 ClientSampleId :
 PB113306ZHE#04

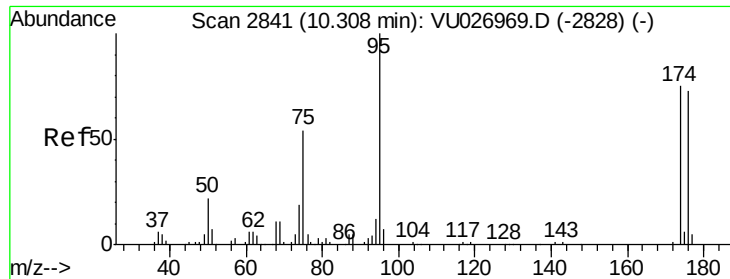
Tgt Ion: 69 Resp: 988
 Ion Ratio Lower Upper
 69 100
 41 31.3 59.0 88.4#
 39 19.5 30.2 45.4#



#59
 2-Hexanone
 Concen: 0.503 ug/l
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

Tgt Ion: 43 Resp: 1314
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.1 78.2#

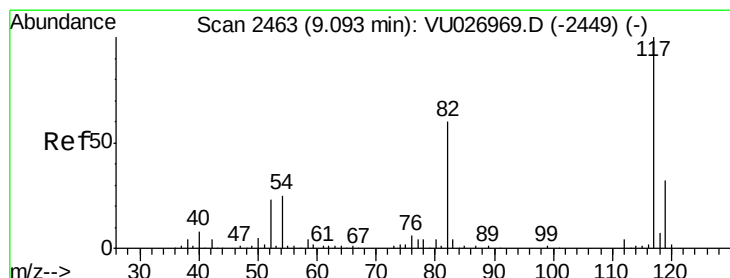
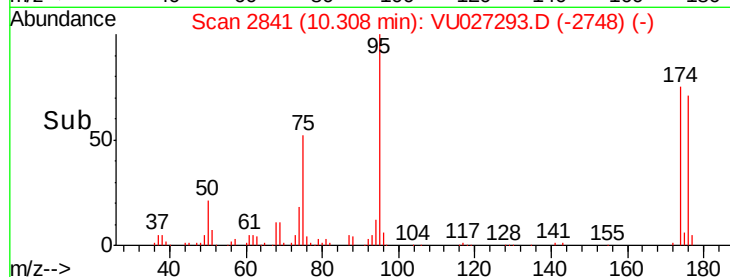
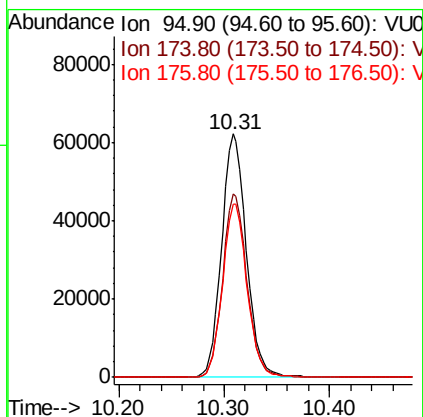
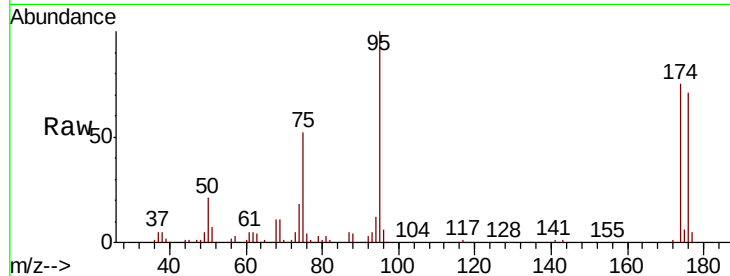




#62
 4-Bromofluorobenzene
 Concen: 47.128 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

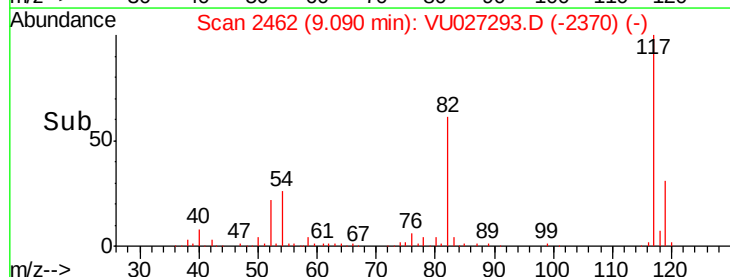
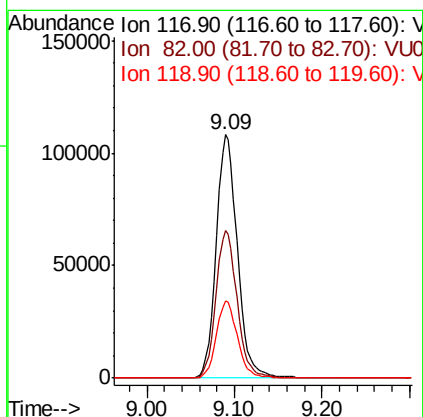
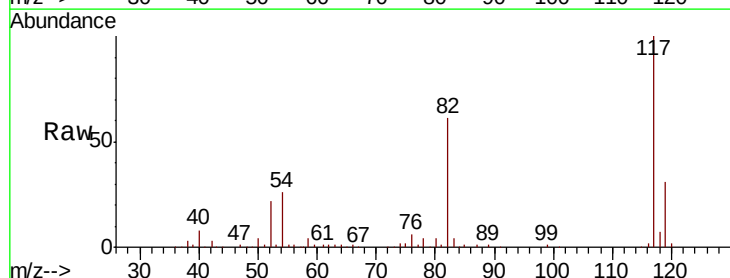
Instrument :
 MSVOA_U
 ClientSampleId :
 PB113306ZHE#04

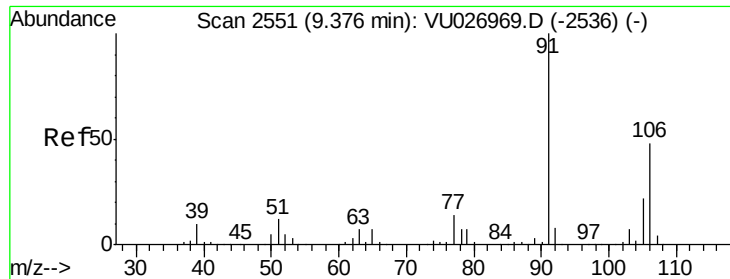
Tgt Ion: 95 Resp: 100602
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 150.2
 176 71.0 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027293.D
 Acq: 29 Sep 2018 00:23

Tgt Ion: 117 Resp: 182108
 Ion Ratio Lower Upper
 117 100
 82 60.7 48.0 72.0
 119 31.5 25.8 38.8

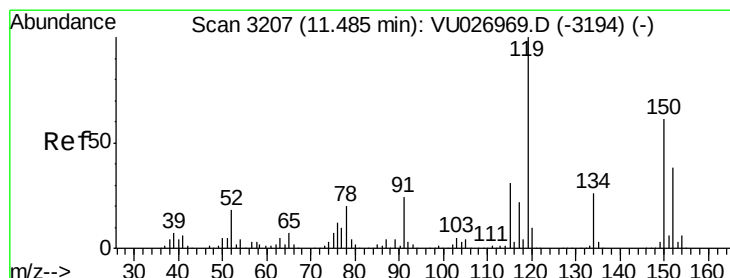
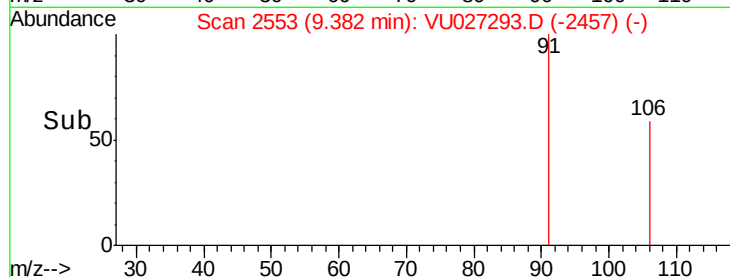
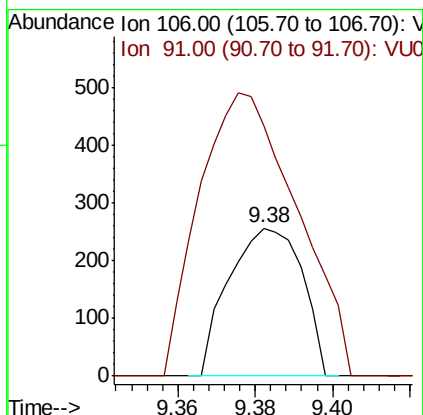
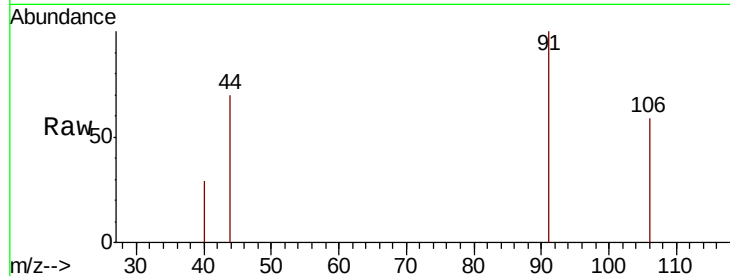




#68
m/p-Xylenes
Concen: 1.604 ug/l
RT: 9.38 min Scan# 2553
Delta R.T. 0.01 min
Lab File: VU027293.D
Acq: 29 Sep 2018 00:23

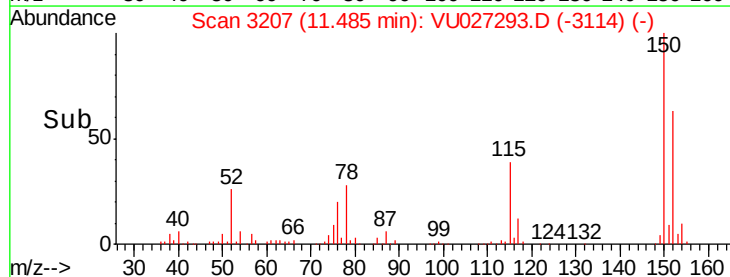
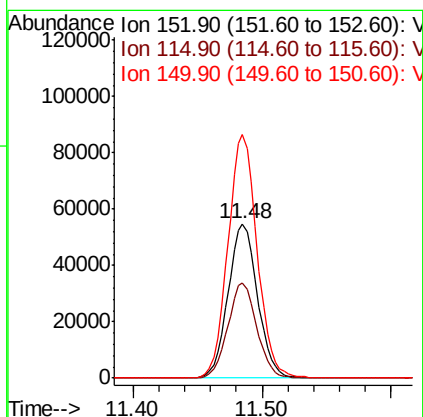
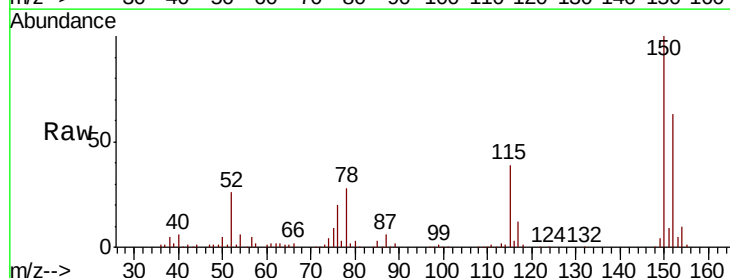
Instrument :
MSVOA_U
ClientSampleId :
PB113306ZHE#04

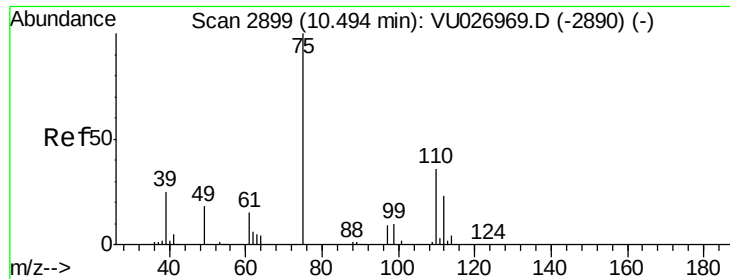
Tgt Ion:106 Resp: 337
Ion Ratio Lower Upper
106 100
91 254.9 166.5 249.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027293.D
Acq: 29 Sep 2018 00:23

Tgt Ion:152 Resp: 86597
Ion Ratio Lower Upper
152 100
115 60.9 44.9 134.5
150 157.1 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 19.925 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027293.D

Acq: 29 Sep 2018 00:23

Instrument :

MSVOA_U

ClientSampleId :

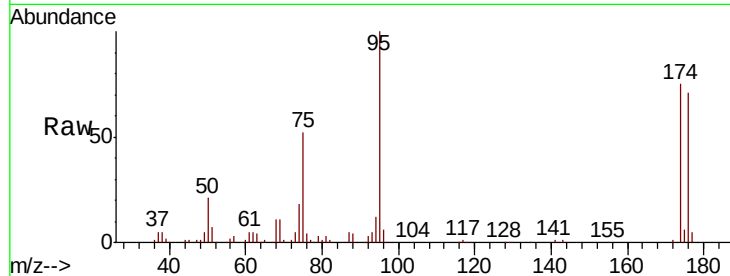
PB113306ZHE#04

Tgt Ion: 75 Resp: 52418

Ion Ratio Lower Upper

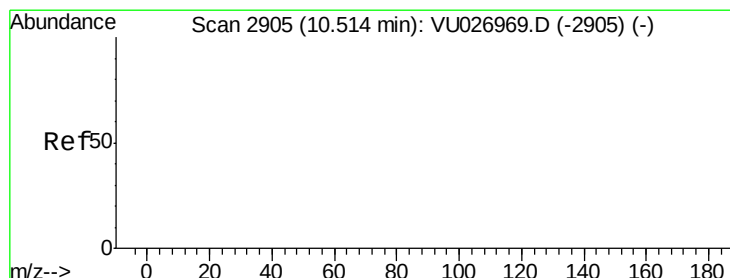
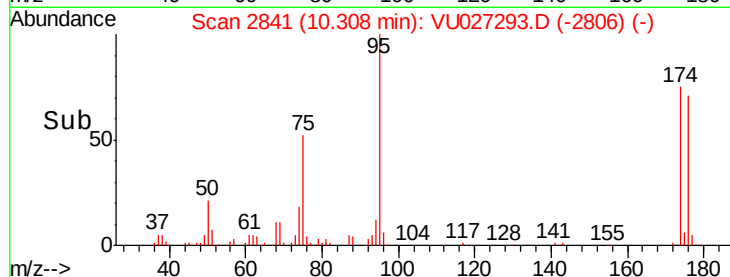
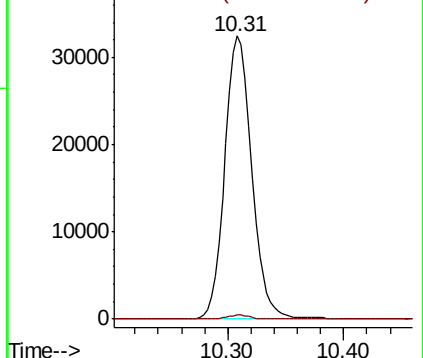
75 100

77 1.1 20.9 62.8#



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: 63.763 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027293.D

Acq: 29 Sep 2018 00:23

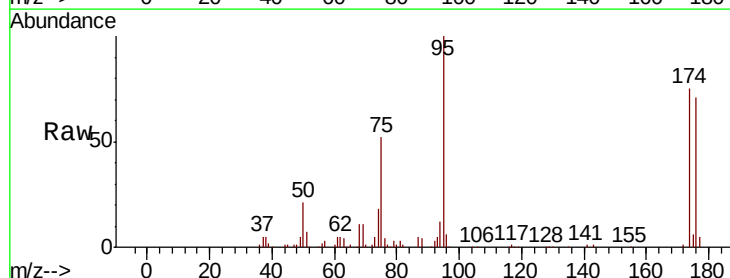
Tgt Ion: 75 Resp: 52418

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

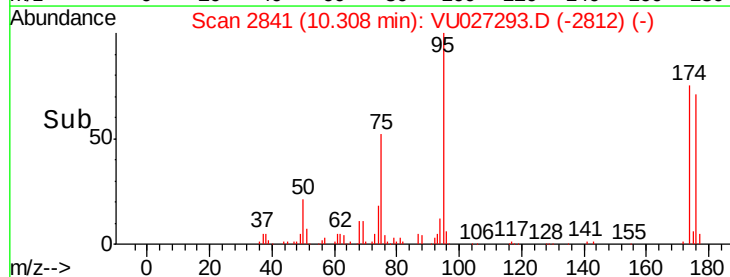
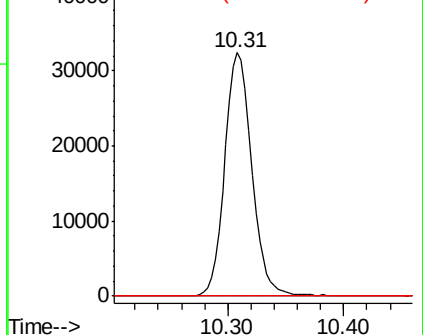
89 0.0 0.0 0.0

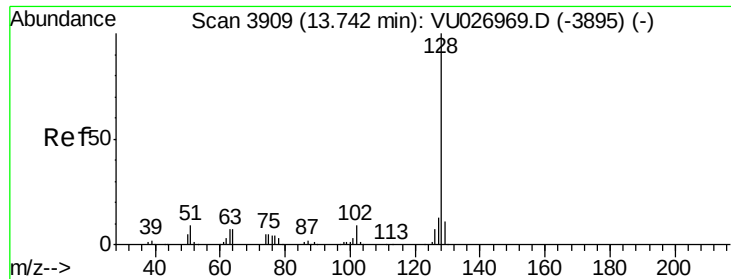


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95
Naphthalene
Concen: 1.718 ug/l
RT: 13.76 min Scan# 3914
Delta R.T. 0.02 min
Lab File: VU027293.D
Acq: 29 Sep 2018 00:23

Instrument :
MSVOA_U
ClientSampleId :
PB113306ZHE#04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

