

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100218\
 Data File : VU027341.D
 Acq On : 02 Oct 2018 11:51
 Operator : MD/SY
 Sample : PB113364ZHE#02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB113364ZHE#02

Quant Time: Oct 03 02:04:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	93846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	163813	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	159686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73306	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	98076	62.59	ug/l	0.00
Spiked Amount 50.000			Recovery =	125.18%		
35) Dibromofluoromethane	4.88	113	67741	60.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	120.68%		
50) Toluene-d8	7.57	98	260760	62.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	124.12%		
62) 4-Bromofluorobenzene	10.31	95	86591	55.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.90%		

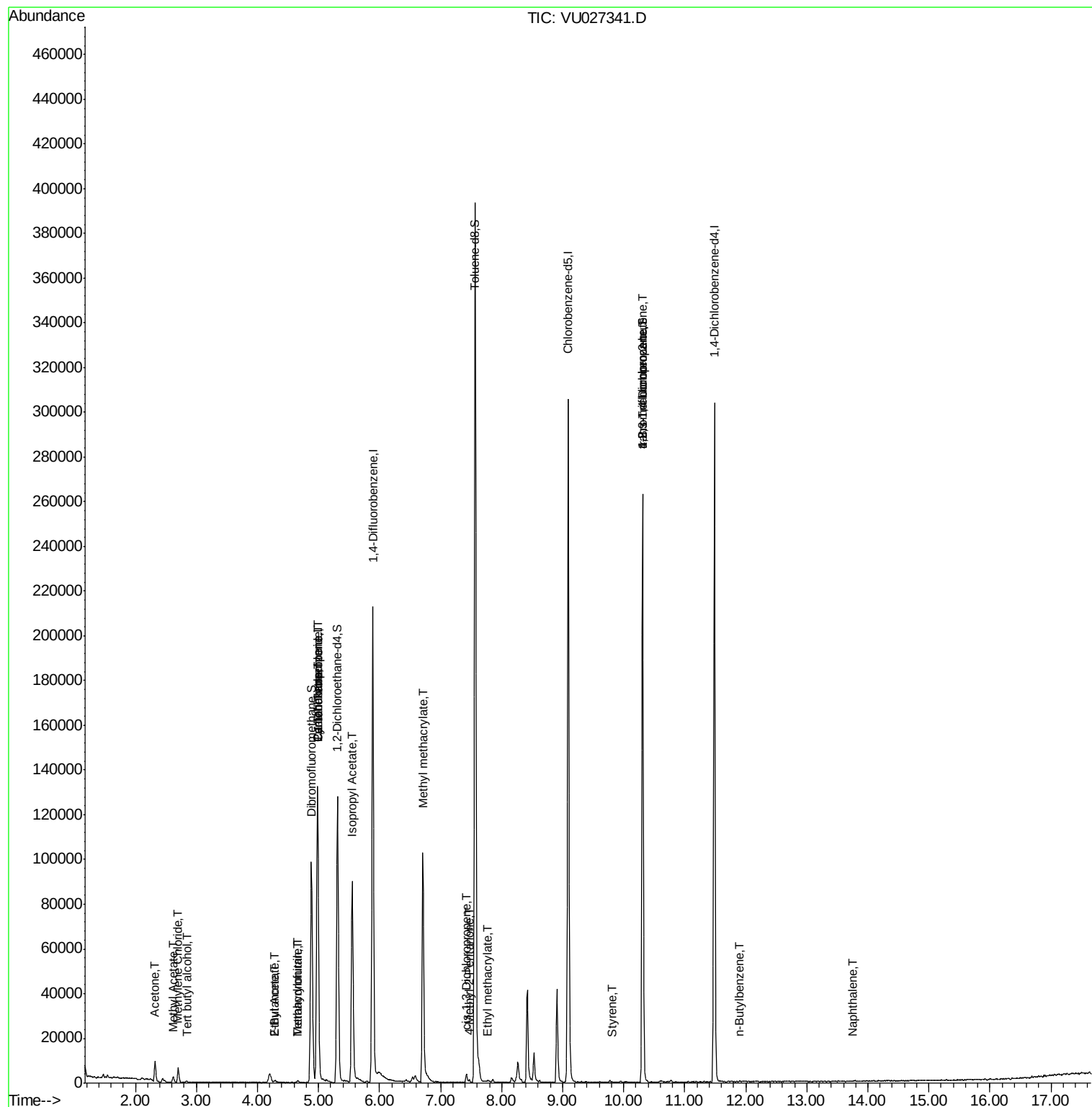
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	521	1.579	ug/l #	72
16) Acetone	2.32	43	10275	11.099	ug/l	97
18) Methyl Acetate	2.62	43	3125	1.480	ug/l	91
20) Methylene Chloride	2.70	84	2611	2.025	ug/l	96
25) 2-Butanone	4.28	43	2079	1.647	ug/l	92
29) Tetrahydrofuran	4.66	42	696	0.875	ug/l #	67
31) Cyclohexane	4.99	56	2515	0.766	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8826	4.962	ug/l #	50
37) Ethyl Acetate	4.28	43	2079	0.904	ug/l #	70
38) Carbon Tetrachloride	4.99	117	9535	5.935	ug/l #	18
41) Methacrylonitrile	4.65	41	366	0.282	ug/l #	27
43) Isopropyl Acetate	5.55	43	107426	30.090	ug/l	98
48) Methyl methacrylate	6.71	41	10084	5.680	ug/l #	44
51) 4-Methyl-2-Pentanone	7.47	43	855	0.369	ug/l #	84
54) cis-1,3-Dichloropropene	7.42	75	493	0.223	ug/l #	62
56) Ethyl methacrylate	7.78	69	506	2.479	ug/l	93
70) Styrene	9.80	104	40	2.309	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	46651	24.550	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	46651	64.249	ug/l #	100
89) n-Butylbenzene	11.89	91	388	2.027	ug/l #	43
95) Naphthalene	13.74	128	40	1.667	ug/l #	69

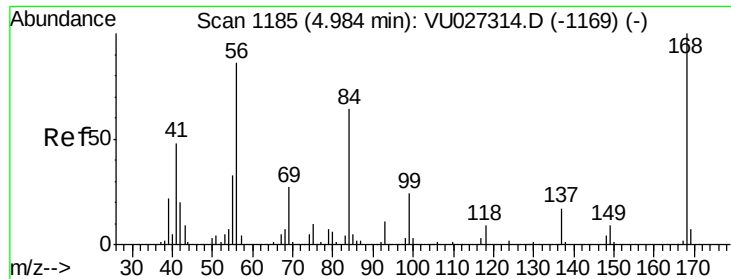
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 02:04:20 2018
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Quant Title : SW846 8260
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Response via : Initial Calibration

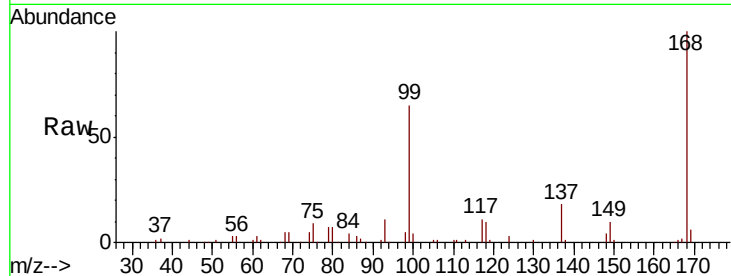




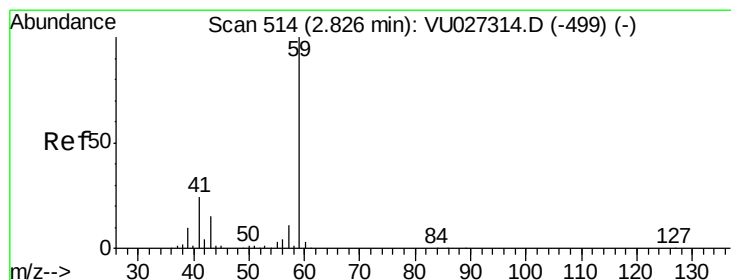
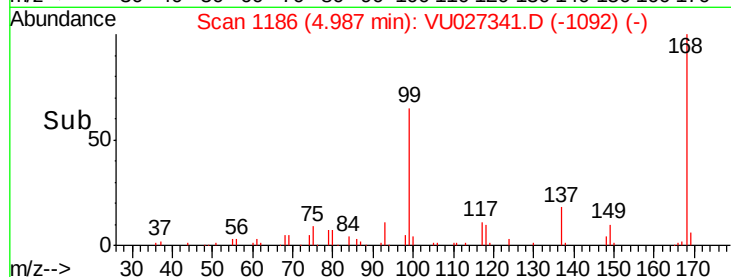
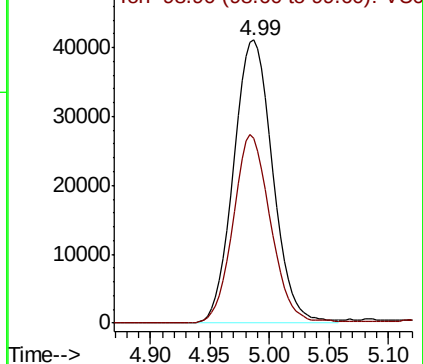
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
PB113364ZHE#02

Tot Ion:168 Resp: 93846
Ion Ratio Lower Upper
168 100
99 65.3 50.8 76.2

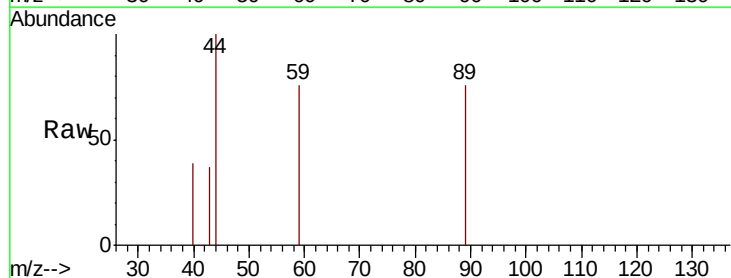


Abundance Ion 167.90 (167.60 to 168.60): VU027341.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU027341.D (-1169) (-)

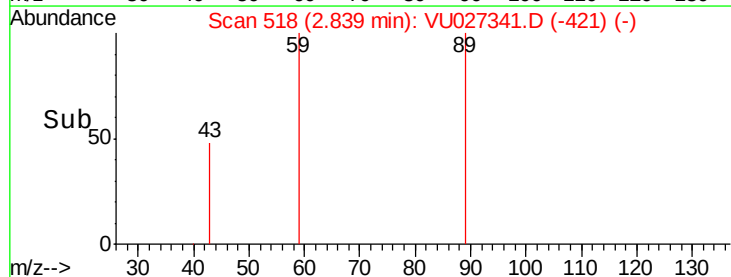
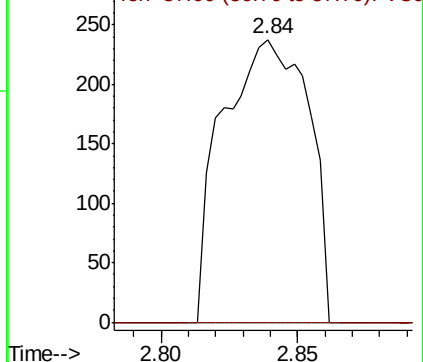


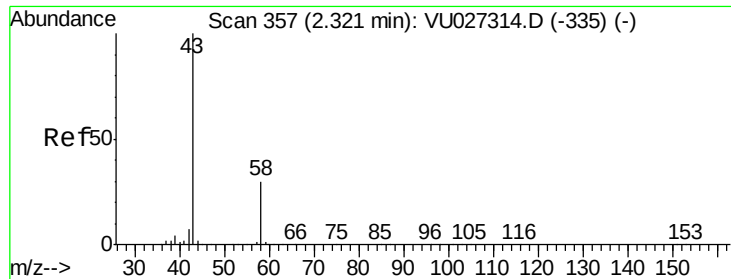
#11
Tert butyl alcohol
Concen: 1.579 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Tgt Ion: 59 Resp: 521
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027341.D (-499) (-)
Ion 57.00 (56.70 to 57.70): VU027341.D (-499) (-)





#16

Acetone

Concen: 11.099 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

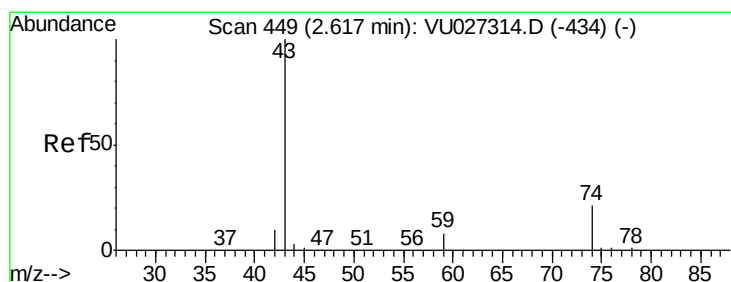
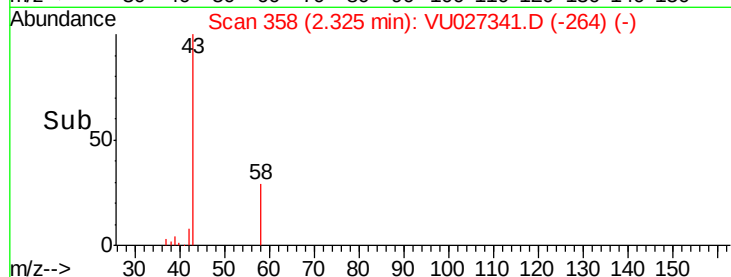
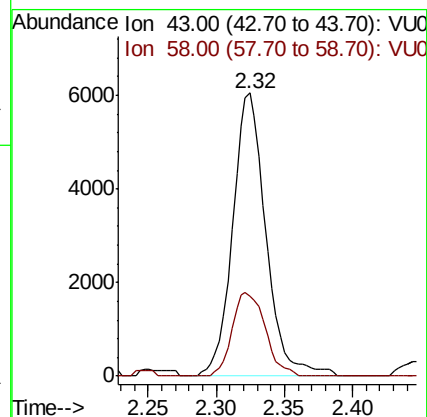
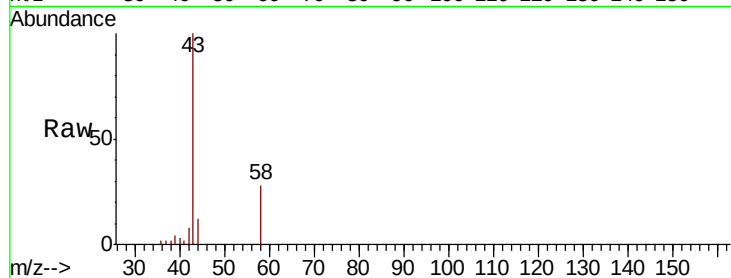
PB113364ZHE#02

Tot Ion: 43 Resp: 10275

Ion Ratio Lower Upper

43 100

58 28.4 24.2 36.4



#18

Methyl Acetate

Concen: 1.480 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027341.D

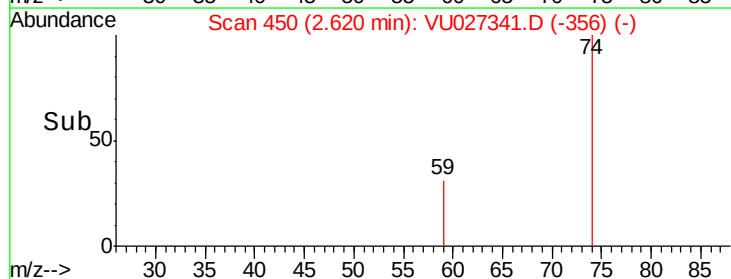
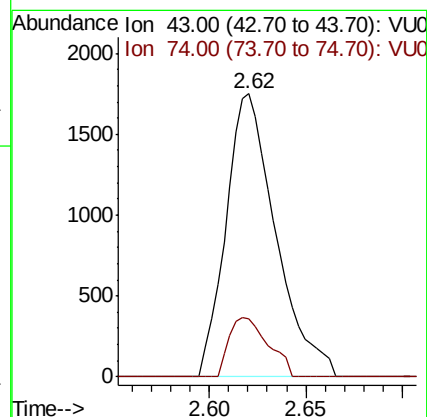
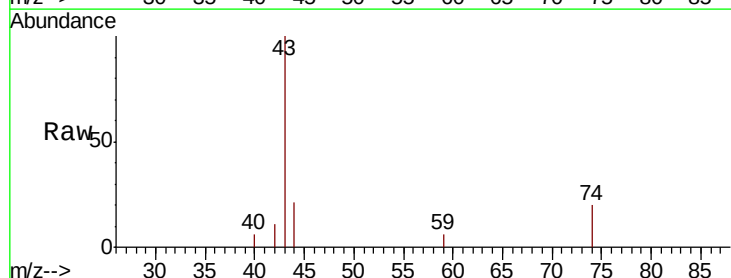
Acq: 02 Oct 2018 11:51

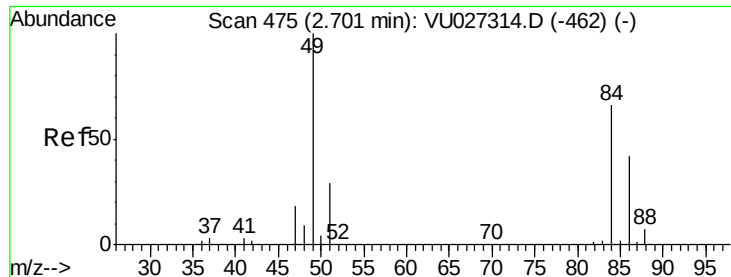
Tgt Ion: 43 Resp: 3125

Ion Ratio Lower Upper

43 100

74 16.5 16.5 24.7

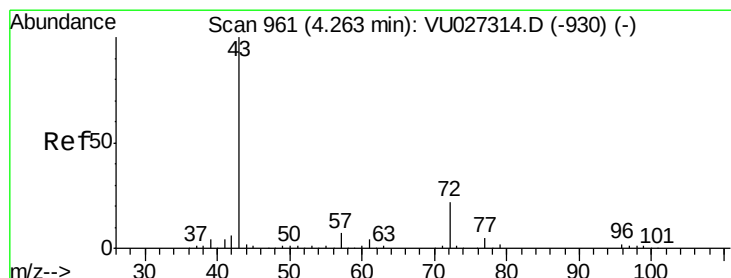
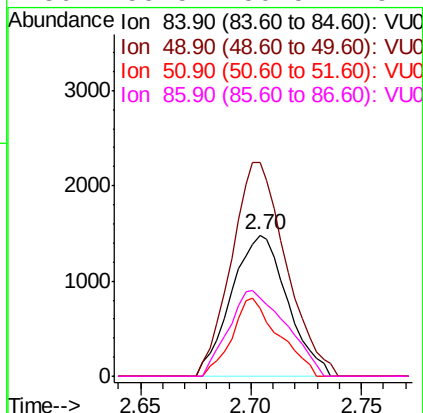
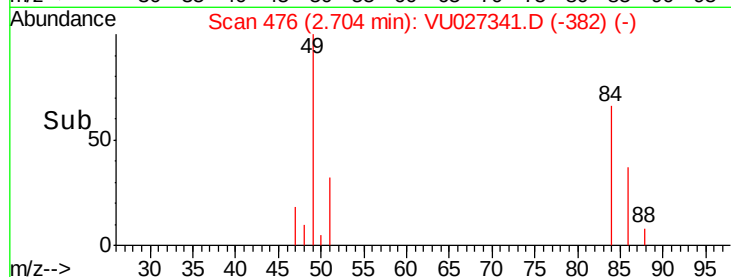
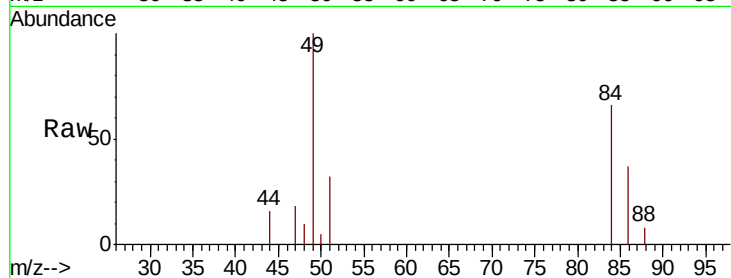




#20
Methylene Chloride
Concen: 2.025 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

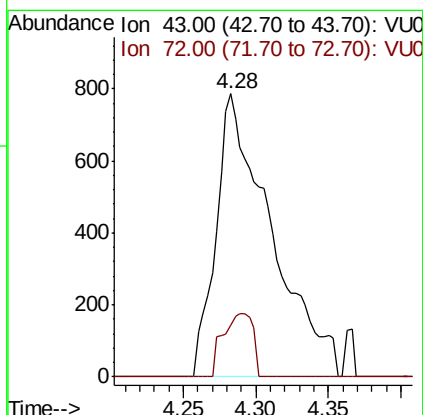
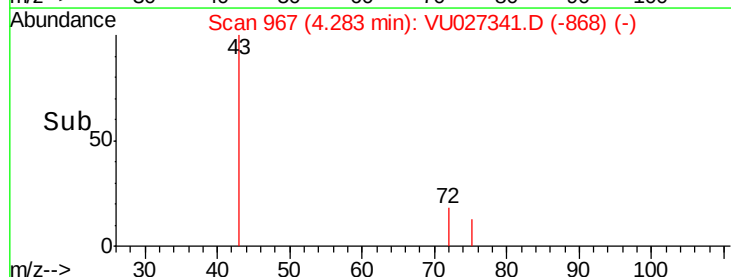
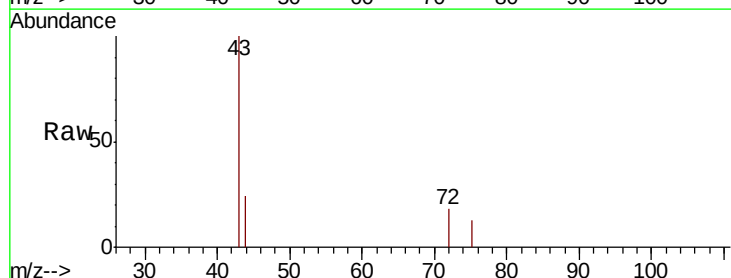
Instrument :
MSVOA_U
ClientSampleId :
PB113364ZHE#02

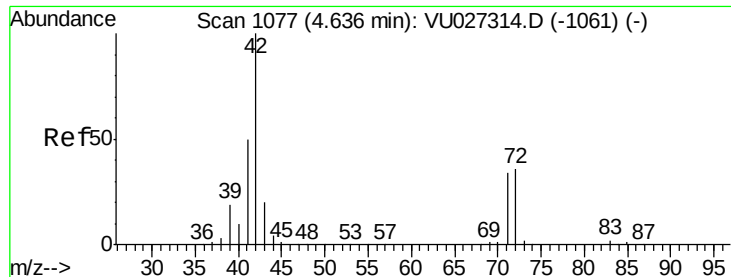
Tot Ion:	84	Resp:	2611
Ion	Ratio	Lower	Upper
84	100		
49	151.5	120.5	180.7
51	47.9	35.1	52.7
86	55.5	50.5	75.7



#25
2-Butanone
Concen: 1.647 ug/l
RT: 4.28 min Scan# 967
Delta R.T. 0.02 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Tgt Ion:	43	Resp:	2079
Ion	Ratio	Lower	Upper
43	100		
72	18.2	17.8	26.6





#29

Tetrahydrofuran

Concen: 0.875 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

PB113364ZHE#02

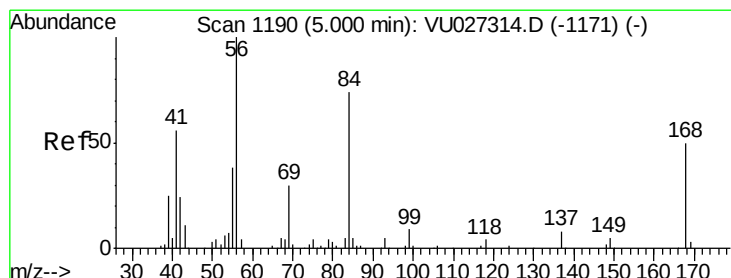
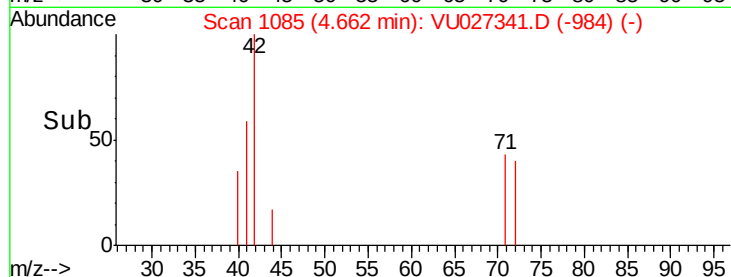
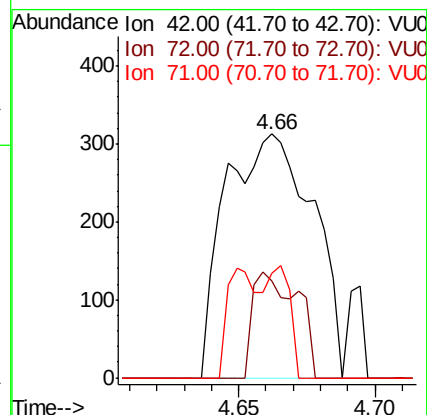
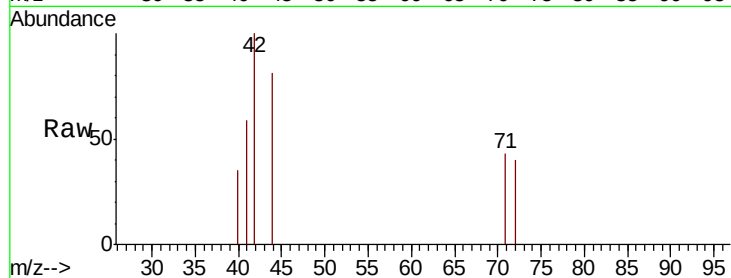
Tot Ion: 42 Resp: 696

Ion Ratio Lower Upper

42 100

72 22.0 30.1 45.1#

71 10.8 27.7 41.5#



#31

Cyclohexane

Concen: 0.766 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

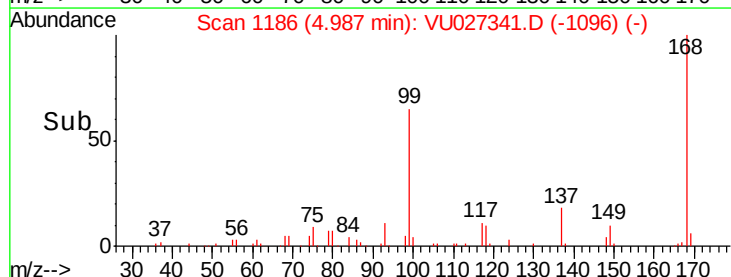
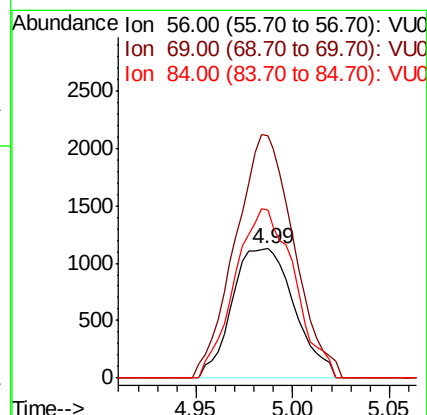
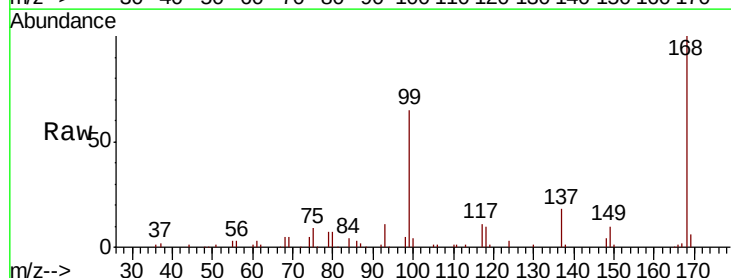
Tgt Ion: 56 Resp: 2515

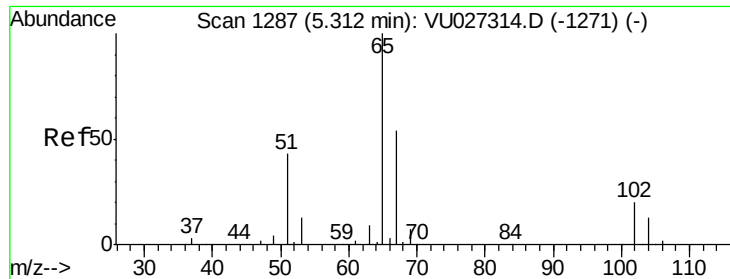
Ion Ratio Lower Upper

56 100

69 187.2 24.1 36.1#

84 129.3 59.1 88.7#

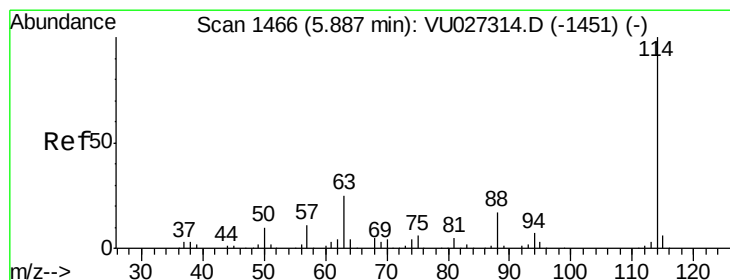
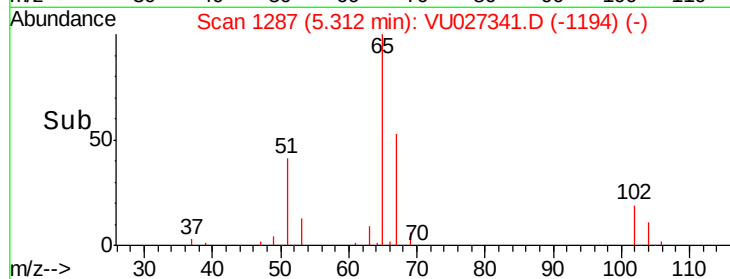
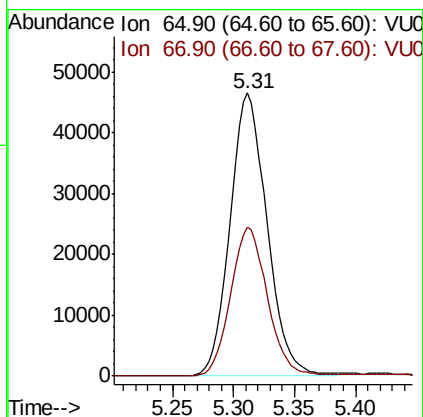
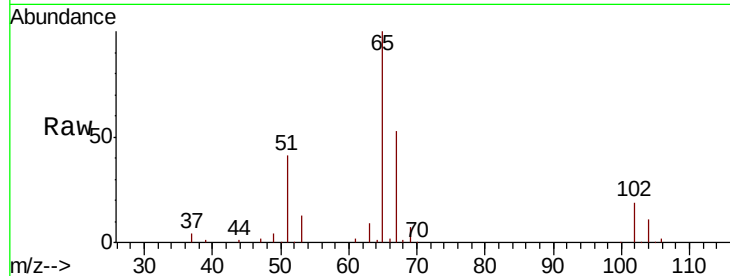




#33
 1,2-Dichloroethane-d4
 Concen: 62.586 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027341.D
 Acq: 02 Oct 2018 11:51

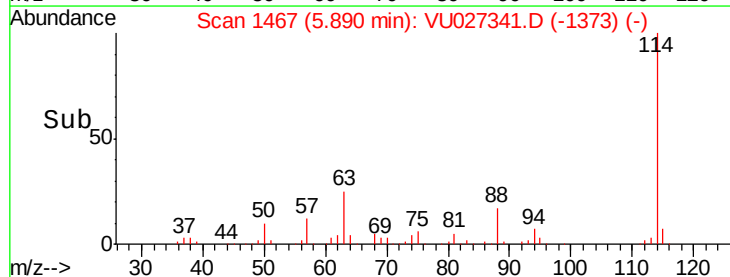
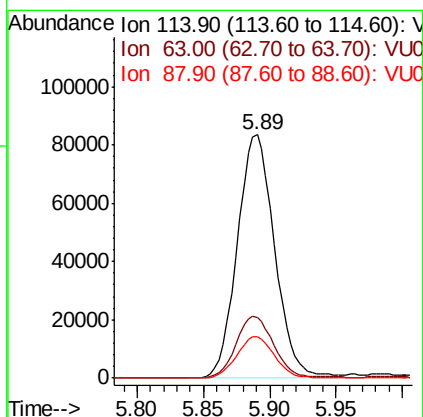
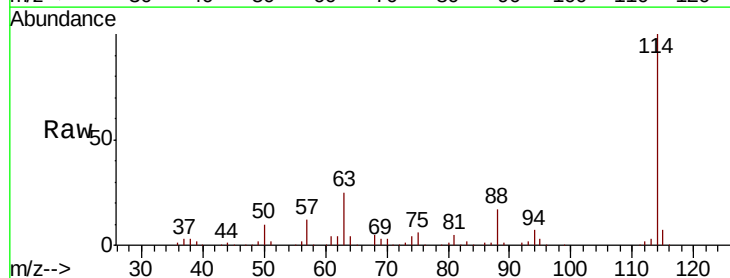
Instrument :
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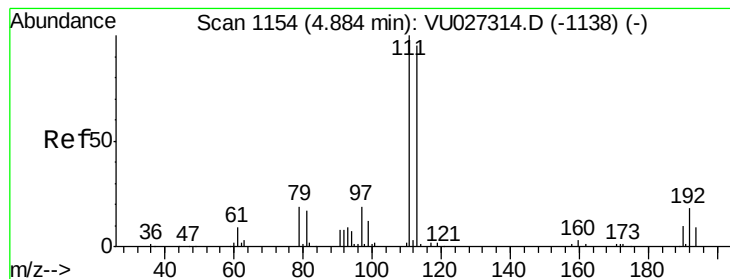
Tot Ion: 65 Resp: 98076
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027341.D
 Acq: 02 Oct 2018 11:51

Tgt Ion: 114 Resp: 163813
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.2
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 60.340 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

PB113364ZHE#02

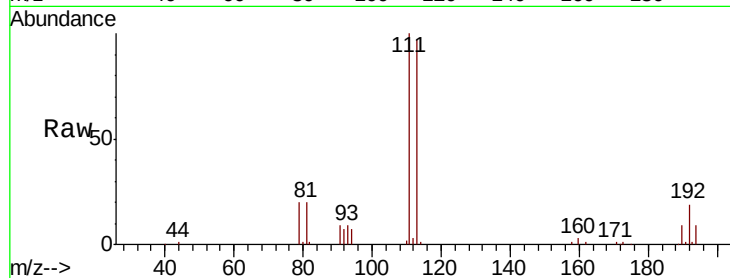
Tot Ion:113 Resp: 67741

Ion Ratio Lower Upper

113 100

111 104.4 83.1 124.7

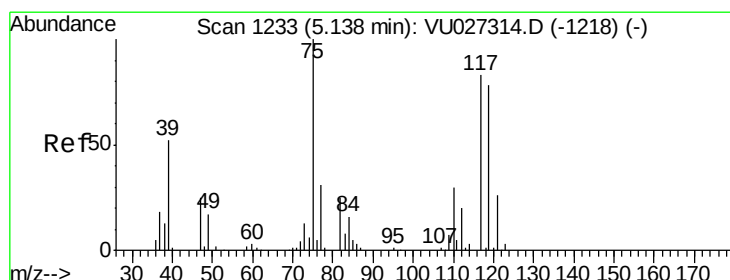
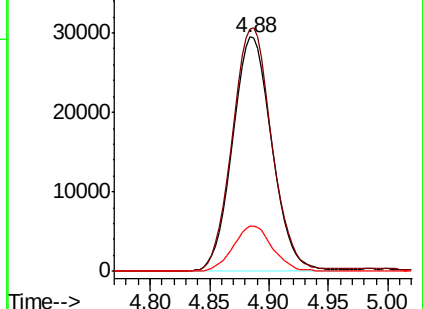
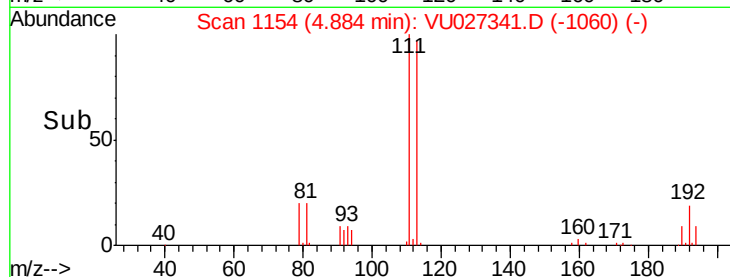
192 19.2 15.4 23.0



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: 4.962 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

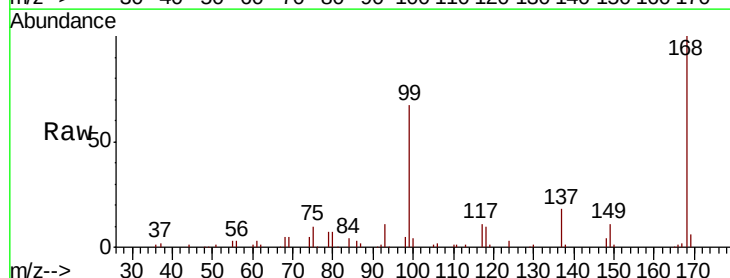
Tgt Ion: 75 Resp: 8826

Ion Ratio Lower Upper

75 100

110 7.4 15.5 46.5#

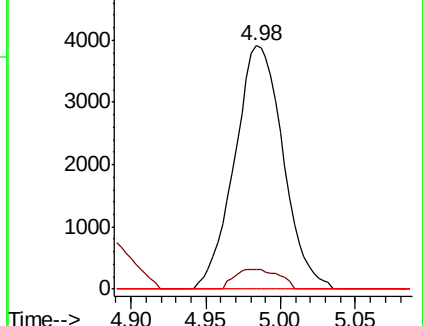
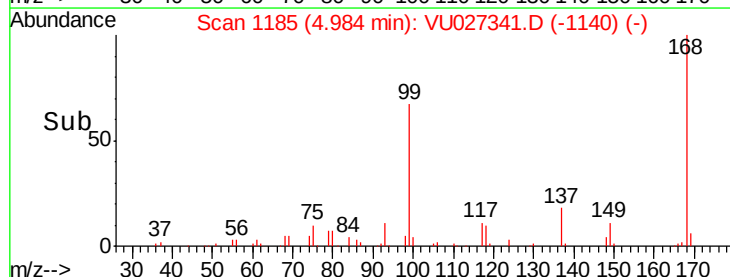
77 0.0 25.4 38.0#

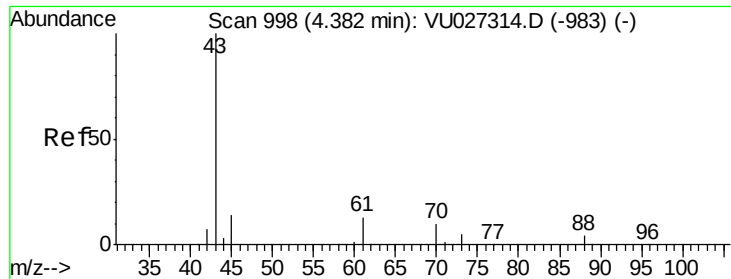


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

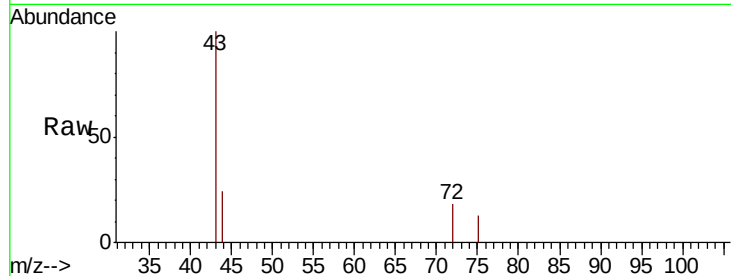




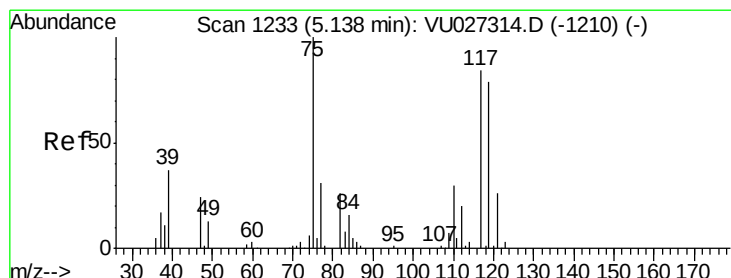
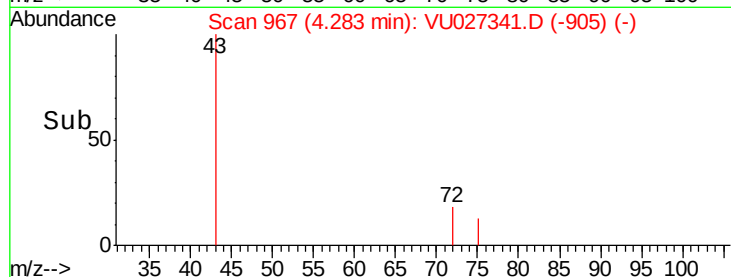
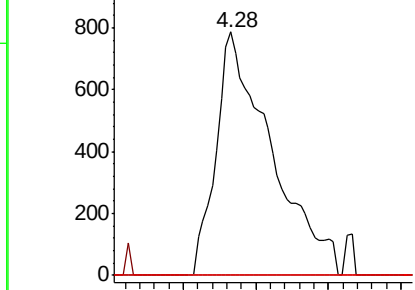
#37
Ethyl Acetate
Concen: 0.904 ug/l
RT: 4.28 min Scan# 967
Delta R.T. -0.10 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
PB113364ZHE#02

Tot Ion: 43 Resp: 2079
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.4 11.2#

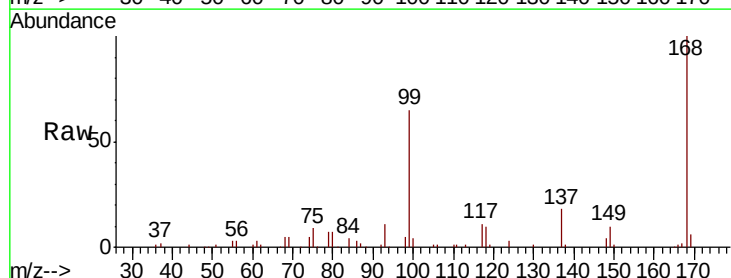


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

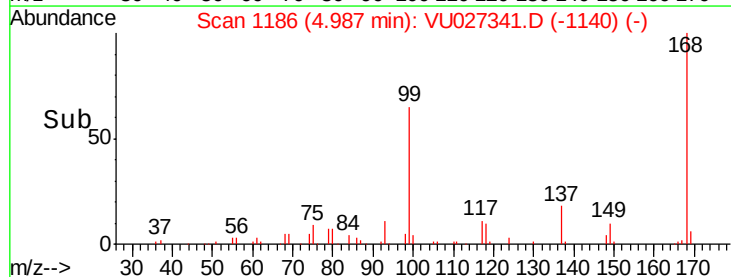
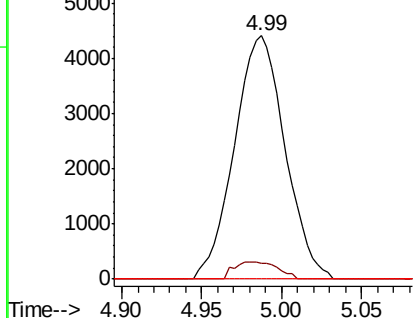


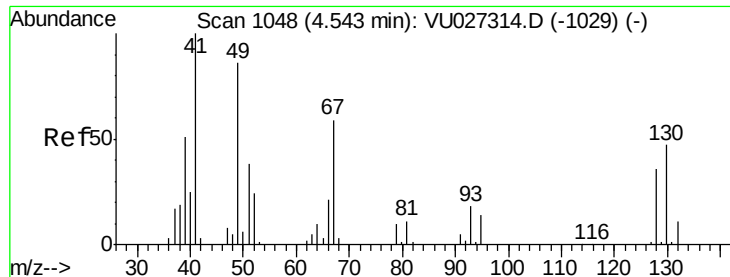
#38
Carbon Tetrachloride
Concen: 5.935 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Tgt Ion: 117 Resp: 9535
Ion Ratio Lower Upper
117 100
119 6.6 74.5 111.7#
121 0.0 24.6 37.0#



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

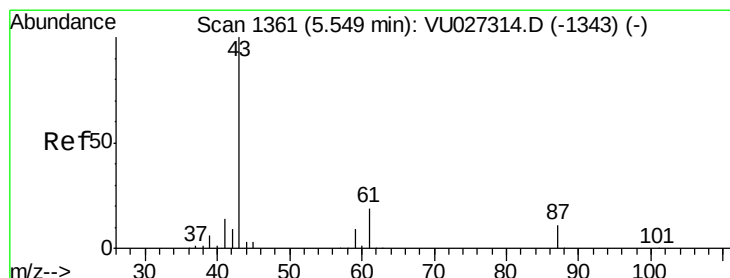
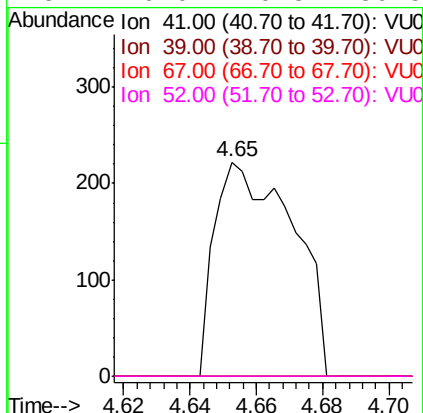
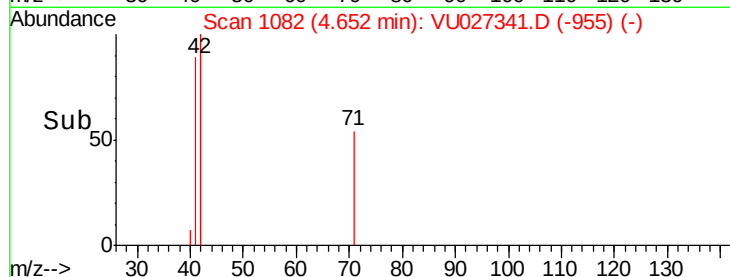
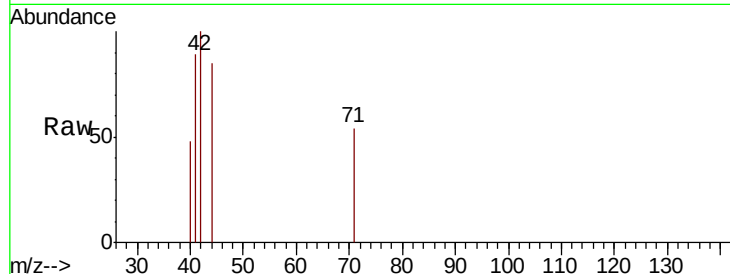




#41
Methacrylonitrile
Concen: 0.282 ug/l
RT: 4.65 min Scan# 1082
Delta R.T. 0.11 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

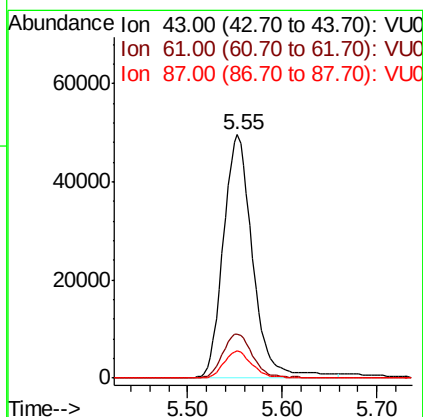
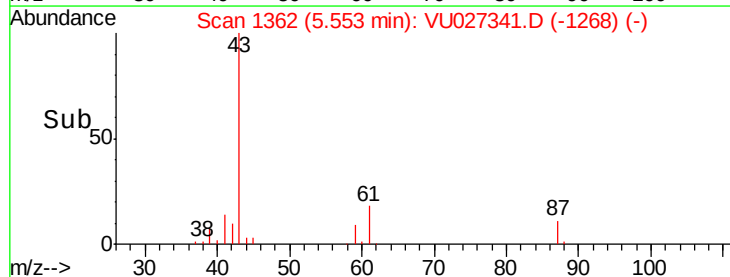
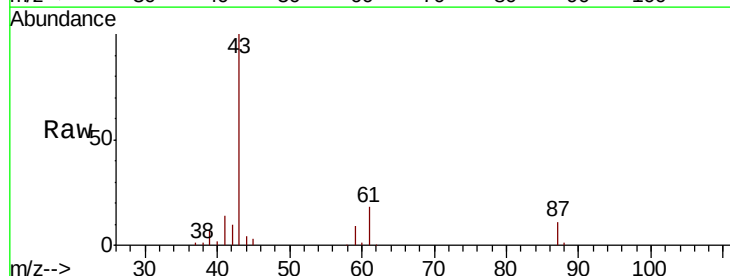
Instrument :
MSVOA_U
ClientSampleId :
PB113364ZHE#02

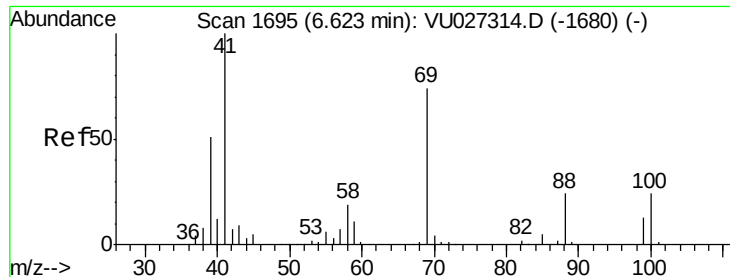
Tot Ion: 41 Resp: 366
Ion Ratio Lower Upper
41 100
39 0.0 41.1 61.7#
67 0.0 50.4 75.6#
52 0.0 20.3 30.5#



#43
Isopropyl Acetate
Concen: 30.090 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Tgt Ion: 43 Resp: 107426
Ion Ratio Lower Upper
43 100
61 18.1 15.3 22.9
87 10.6 8.6 13.0

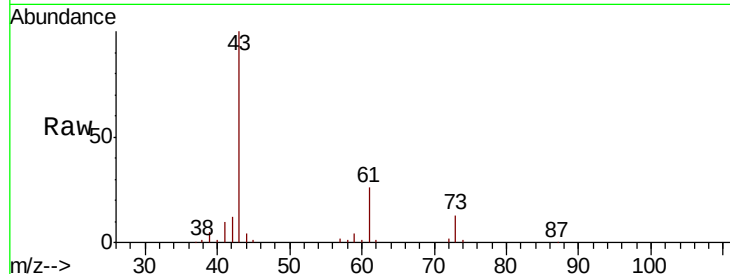




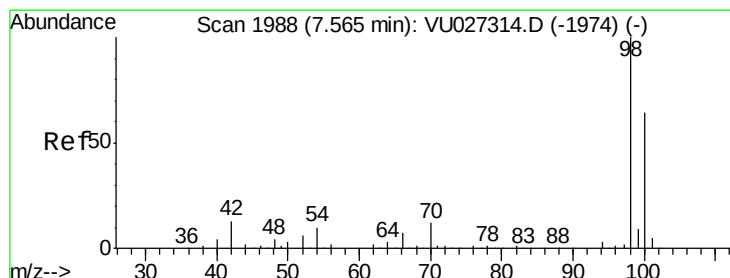
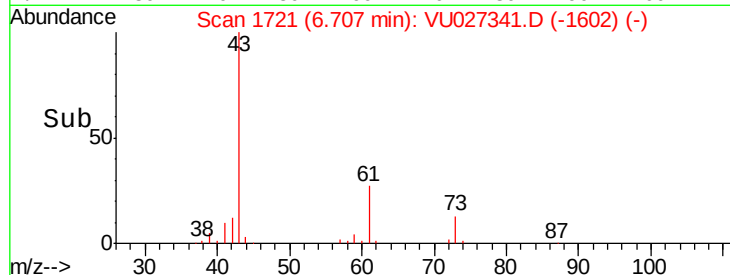
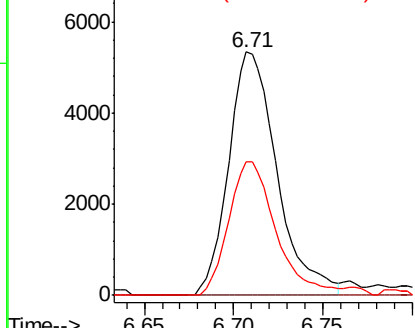
#48
Methvl methacrylate
Concen: 5.680 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.08 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
PB113364ZHE#02

Tot Ion: 41 Resp: 10084
Ion Ratio Lower Upper
41 100
69 0.0 61.0 91.4#
39 53.6 39.9 59.9

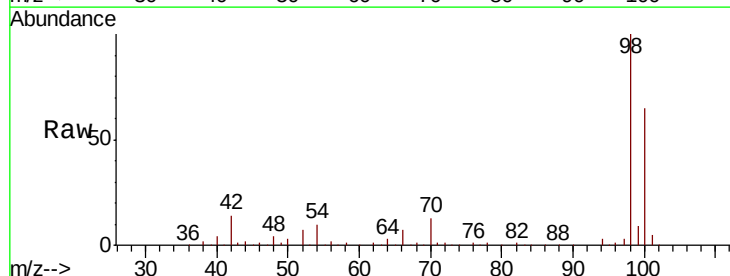


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

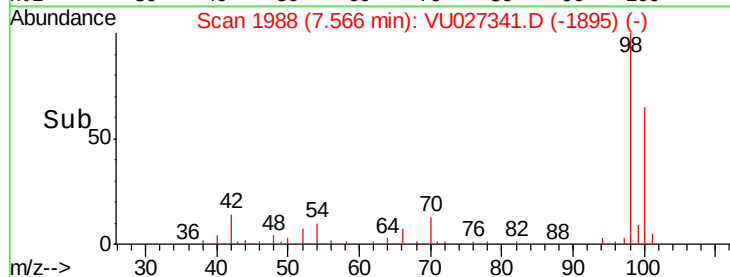
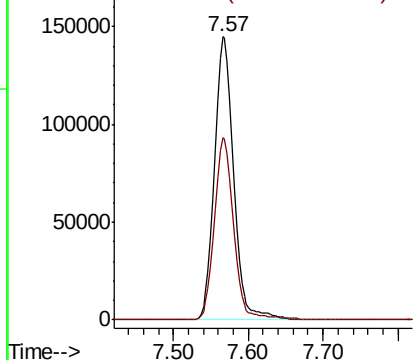


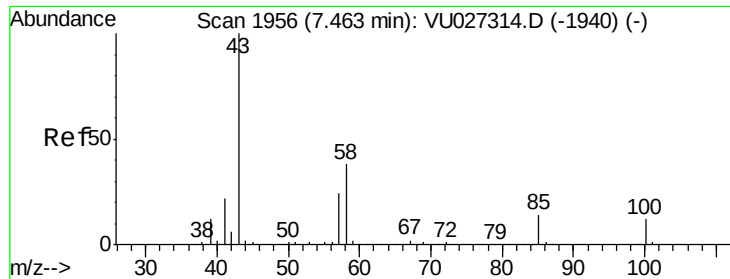
#50
Toluene-d8
Concen: 62.060 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Tgt Ion: 98 Resp: 260760
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.369 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

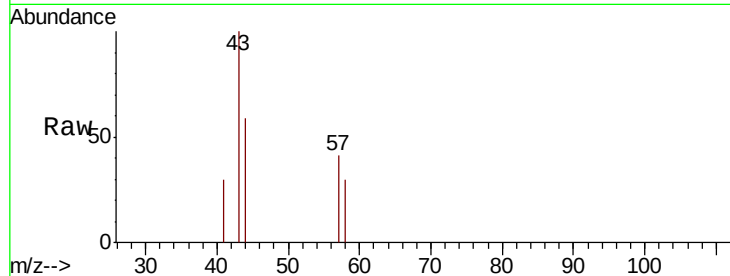
PB113364ZHE#02

Tot Ion: 43 Resp: 855

Ion Ratio Lower Upper

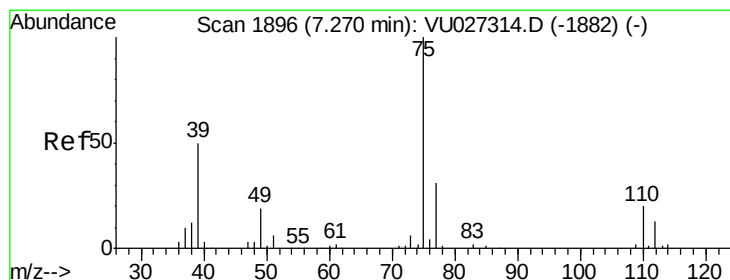
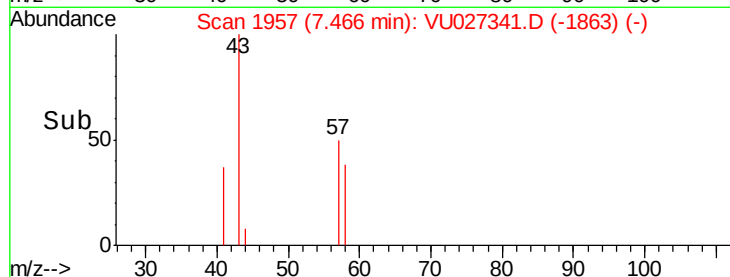
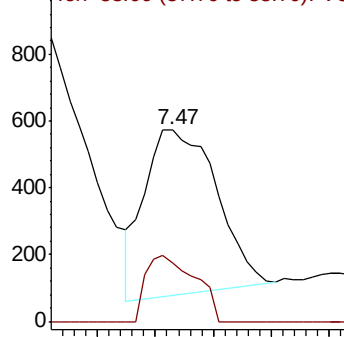
43 100

58 27.5 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#54

cis-1,3-Dichloropropene

Concen: 0.223 ug/l

RT: 7.42 min Scan# 1944

Delta R.T. 0.15 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

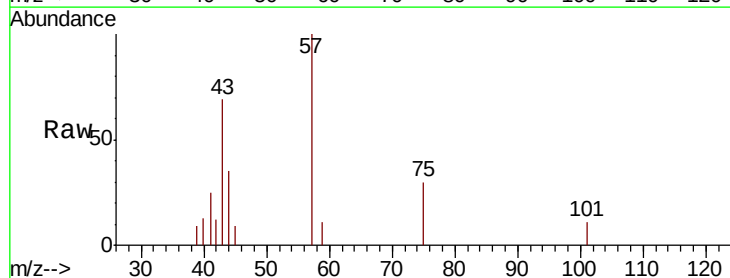
Tgt Ion: 75 Resp: 493

Ion Ratio Lower Upper

75 100

77 0.0 24.5 36.7#

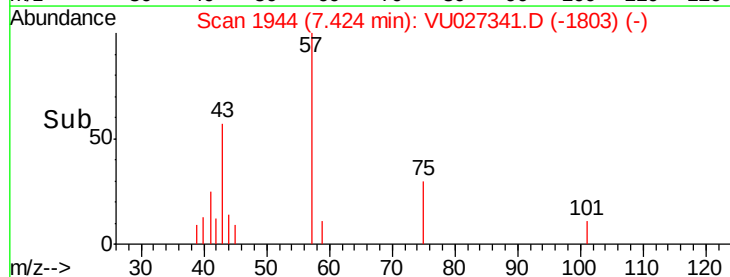
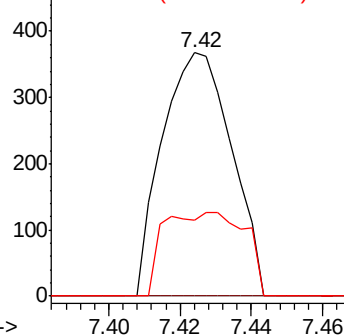
39 31.0 40.1 60.1#

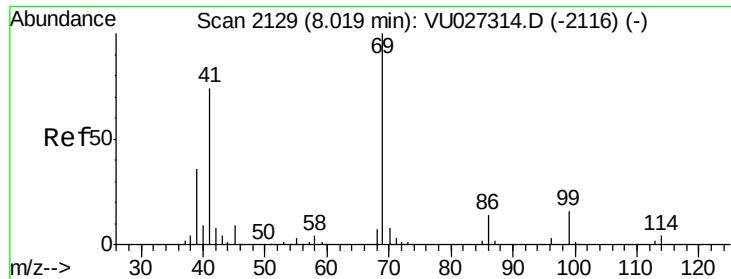


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

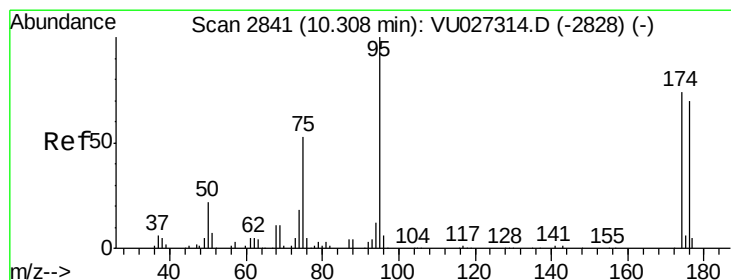
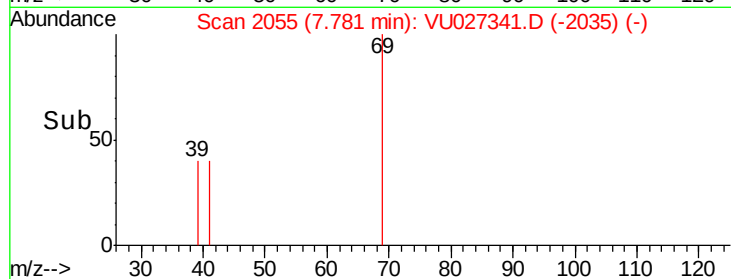
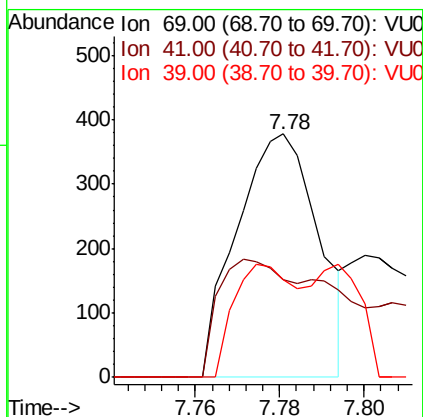
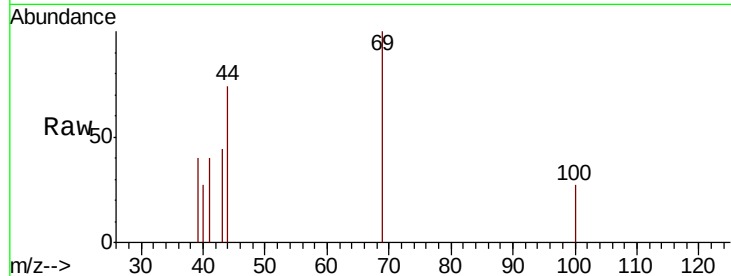




#56
Ethyl methacrylate
Concen: 2.479 ug/l
RT: 7.78 min Scan# 2055
Delta R.T. -0.24 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

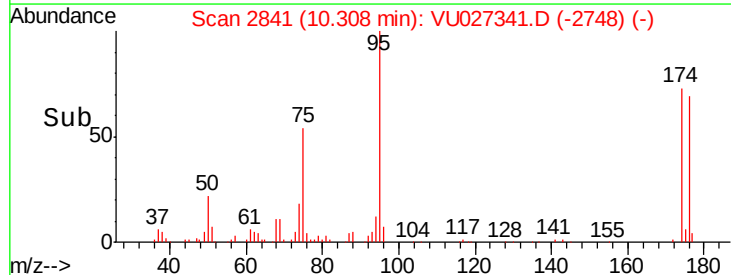
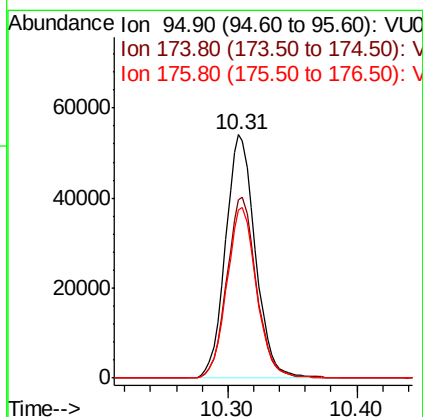
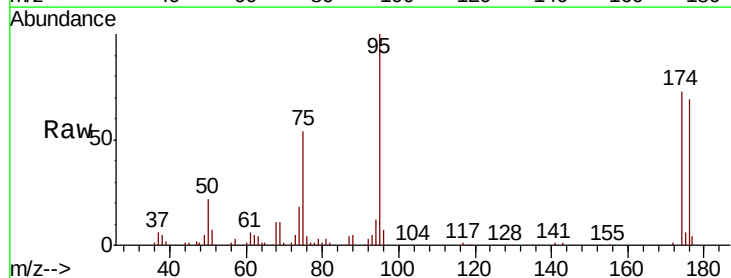
Instrument :
MSVOA_U
ClientSampleId :
PB113364ZHE#02

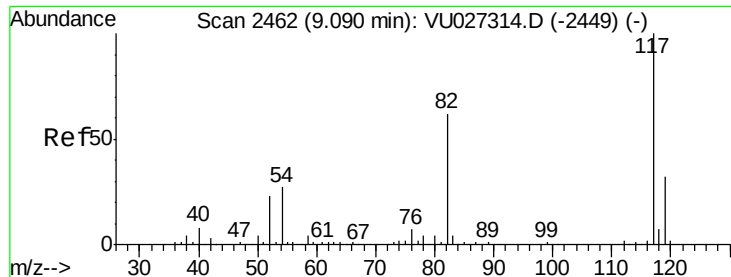
Tot Ion: 69 Resp: 506
Ion Ratio Lower Upper
69 100
41 68.2 60.0 90.0
39 34.0 29.5 44.3



#62
4-Bromofluorobenzene
Concen: 55.452 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Tgt Ion: 95 Resp: 86591
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.8
176 70.1 0.0 140.8

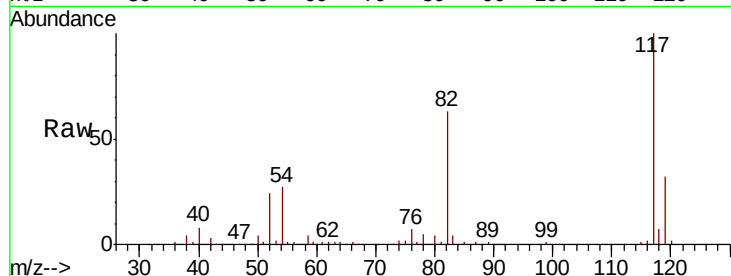




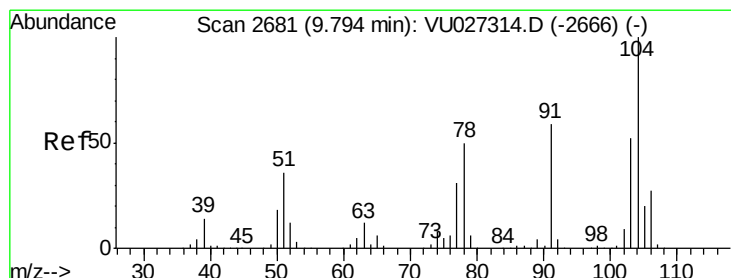
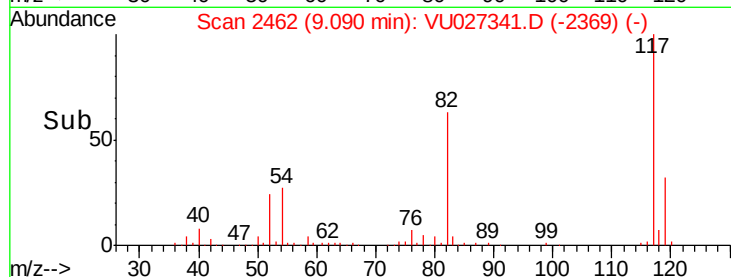
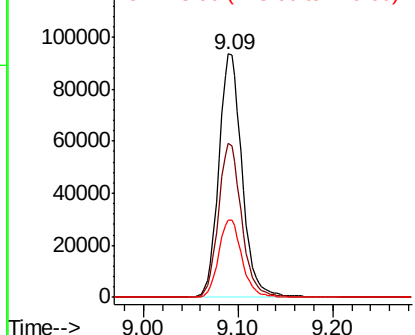
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
PB113364ZHE#02

Tot Ion:117 Resp: 159686
Ion Ratio Lower Upper
117 100
82 63.2 49.2 73.8
119 31.9 25.7 38.5

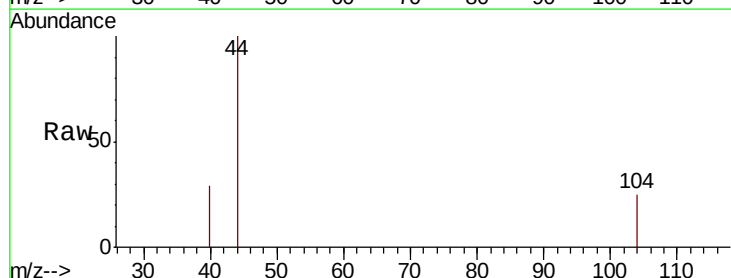


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

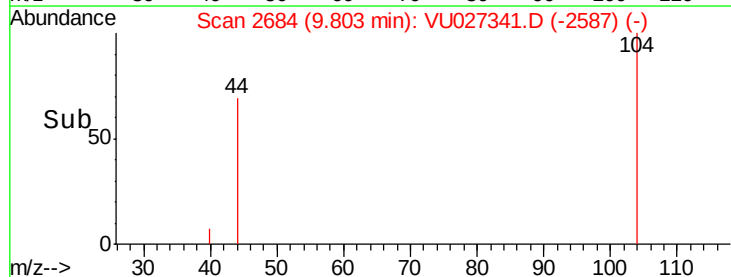
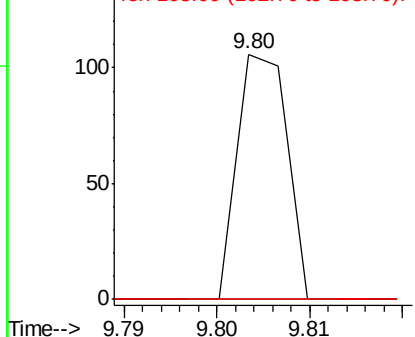


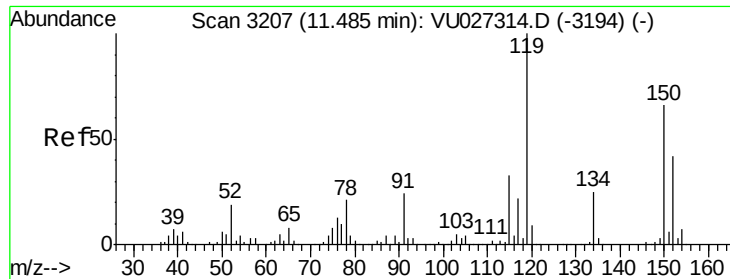
#70
Styrene
Concen: 2.309 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Tgt Ion:104 Resp: 40
Ion Ratio Lower Upper
104 100
78 0.0 42.9 64.3#
103 0.0 43.9 65.9#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



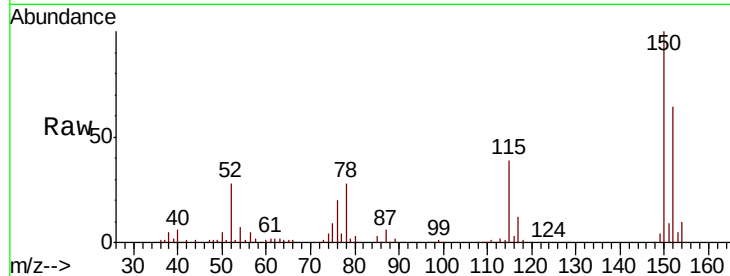


#72

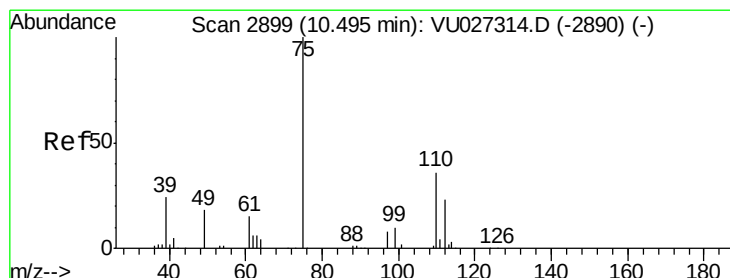
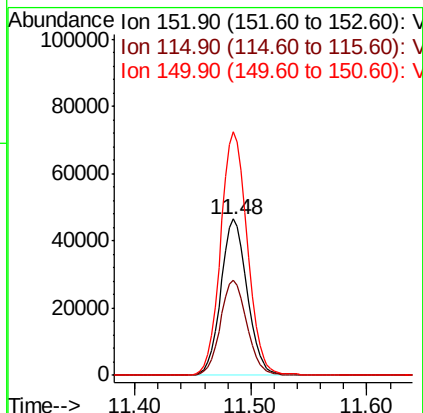
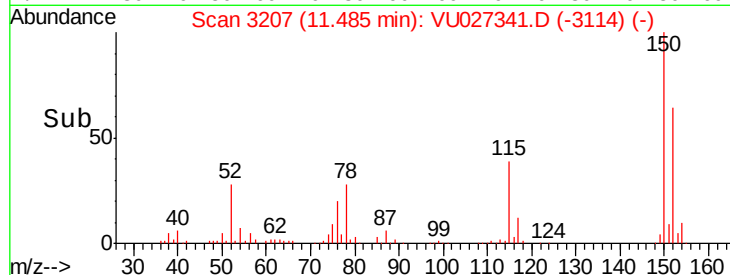
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Instrument :
MSVOA_U
ClientSampleId :
PB113364ZHE#02

Tot Ion:152 Resp: 73306
Ion Ratio Lower Upper
152 100
115 61.2 43.4 130.2
150 157.6 0.0 349.2



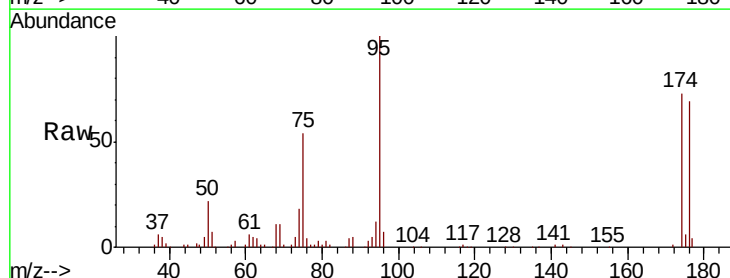
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



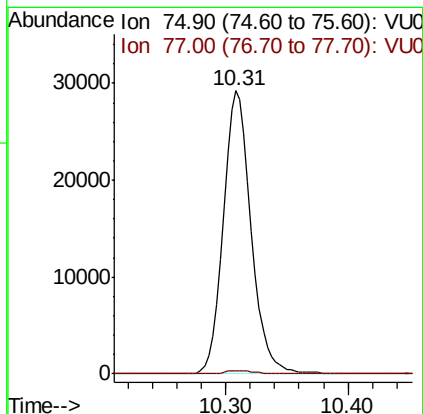
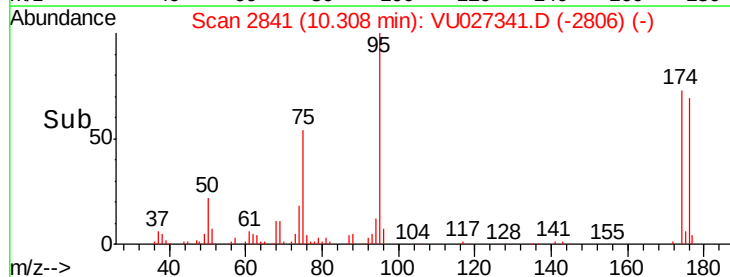
#76

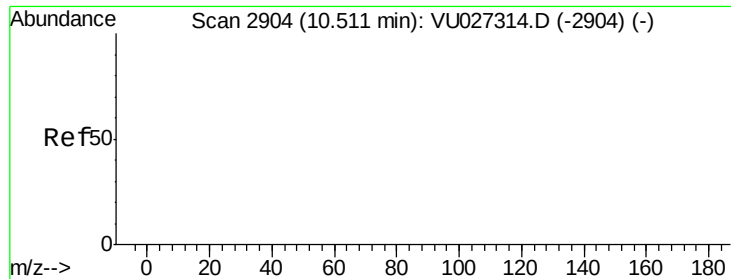
1,2,3-Trichloropropane
Concen: 24.550 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027341.D
Acq: 02 Oct 2018 11:51

Tgt Ion: 75 Resp: 46651
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



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: 64.249 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

PB113364ZHE#02

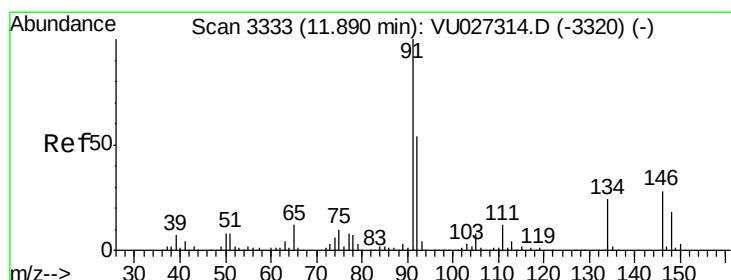
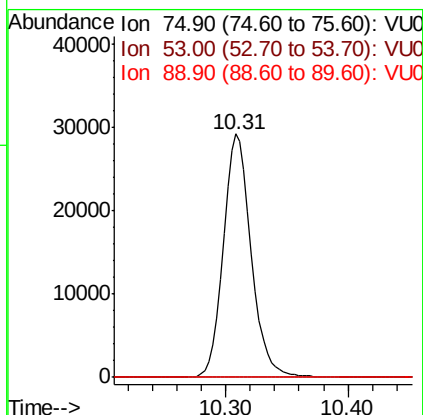
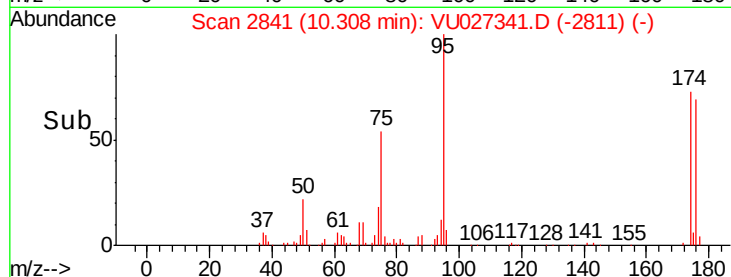
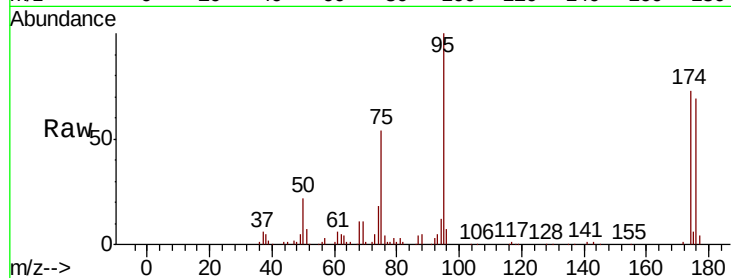
Tot Ion: 75 Resp: 46651

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#89

n-Butylbenzene

Concen: 2.027 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

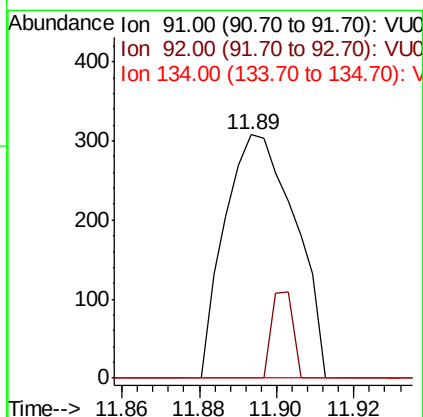
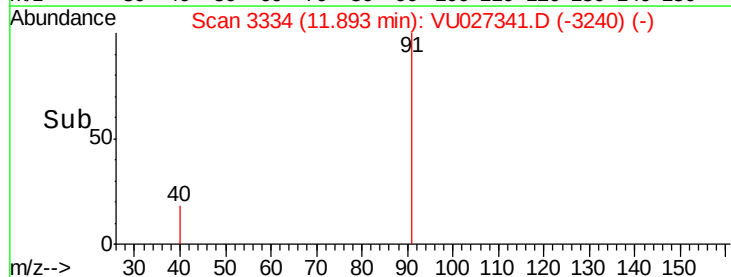
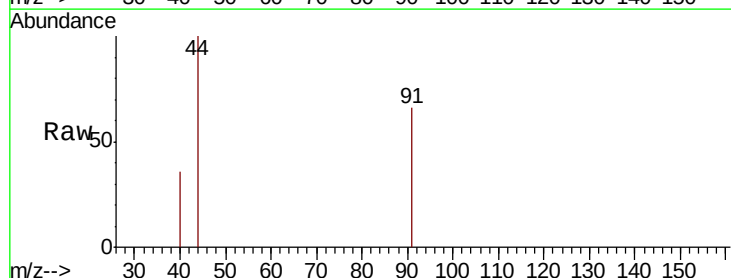
Tgt Ion: 91 Resp: 388

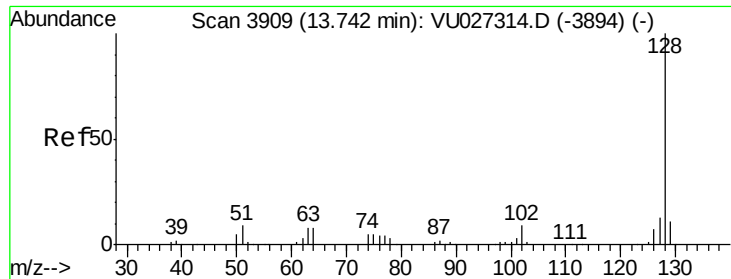
Ion Ratio Lower Upper

91 100

92 10.8 27.0 81.0#

134 0.0 11.7 35.1#





#95

Naphthalene

Concen: 1.667 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU027341.D

Acq: 02 Oct 2018 11:51

Instrument :

MSVOA_U

ClientSampleId :

PB113364ZHE#02

Tot Ion:128 Resp: 40

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

