

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110518\
 Data File : VU027961.D
 Acq On : 05 Nov 2018 16:41
 Operator : MD/SY
 Sample : PB114473ZHE#16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#16

Quant Time: Nov 06 03:25:24 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	190031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	352596	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	317524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	133401	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	153907	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	
35) Dibromofluoromethane	4.88	113	116400	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
50) Toluene-d8	7.57	98	458949	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	
62) 4-Bromofluorobenzene	10.31	95	153597	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

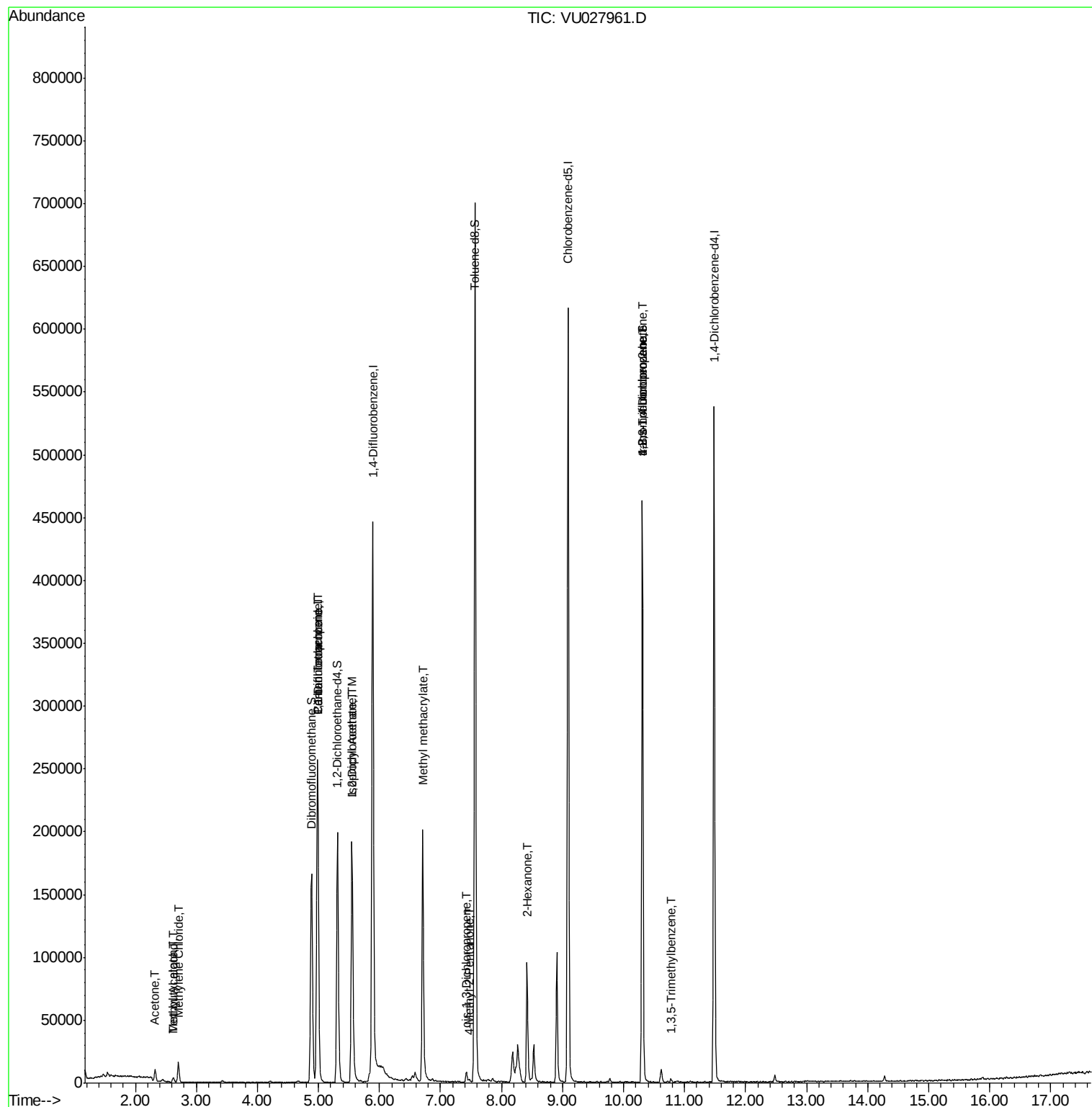
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.61	59	207	0.277	ug/l #	73
13) Acrolein	2.19	56	149	Below Cal	#	50
16) Acetone	2.32	43	9839	5.613	ug/l	98
18) Methyl Acetate	2.62	43	5412	1.122	ug/l	95
20) Methylene Chloride	2.70	84	6392	2.497	ug/l	95
31) Cyclohexane	4.98	56	4320	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	18352	4.970	ug/l #	49
38) Carbon Tetrachloride	4.99	117	18793	5.742	ug/l #	16
42) 1,2-Dichloroethane	5.54	62	854	0.213	ug/l #	76
43) Isopropyl Acetate	5.55	43	232133	27.383	ug/l	99
48) Methyl methacrylate	6.71	41	19062	4.589	ug/l #	46
51) 4-Methyl-2-Pentanone	7.46	43	1708	0.302	ug/l #	63
54) cis-1,3-Dichloropropene	7.43	75	1607	0.361	ug/l #	58
59) 2-Hexanone	8.42	43	14777	3.375	ug/l #	52
76) 1,2,3-Trichloropropane	10.31	75	79599	21.814	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	1787	0.209	ug/l	94
81) trans-1,4-Dichloro-2-buten	10.31	75	79599	54.443	ug/l #	100

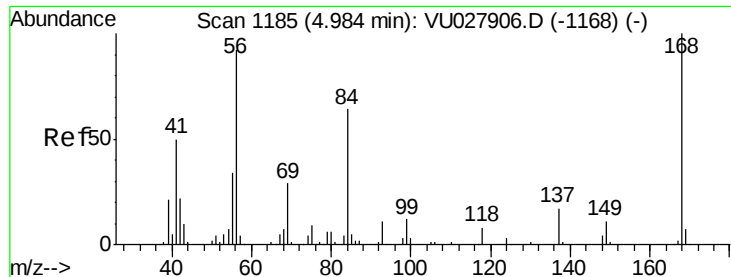
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027961.D

Acq: 05 Nov 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

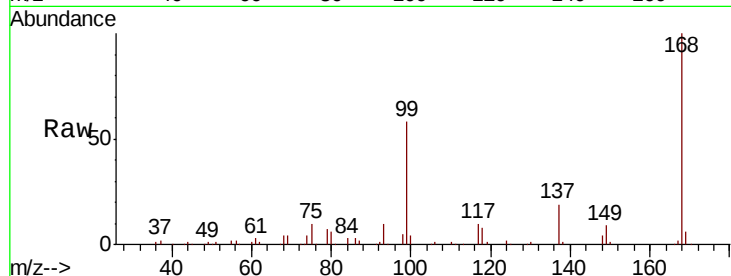
PB114473ZHE#16

Tot Ion:168 Resp: 190031

Ion Ratio Lower Upper

168 100

99 58.3 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

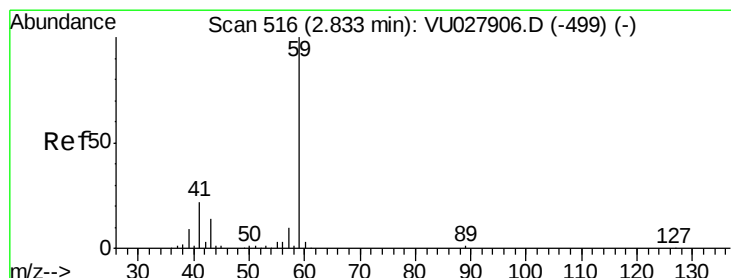
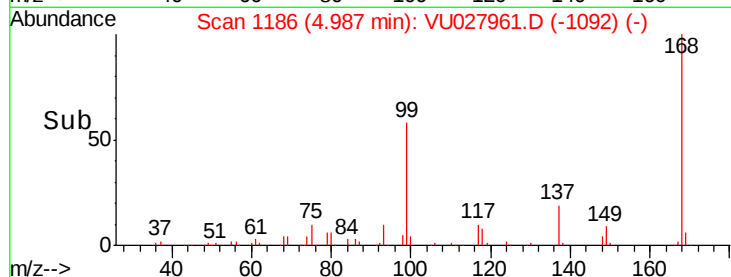
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 0.277 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.22 min

Lab File: VU027961.D

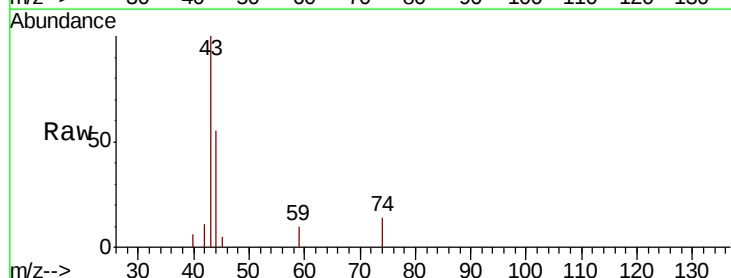
Acq: 05 Nov 2018 16:41

Tgt Ion: 59 Resp: 207

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU027906.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027906.D (-499) (-)

2.61

250

200

150

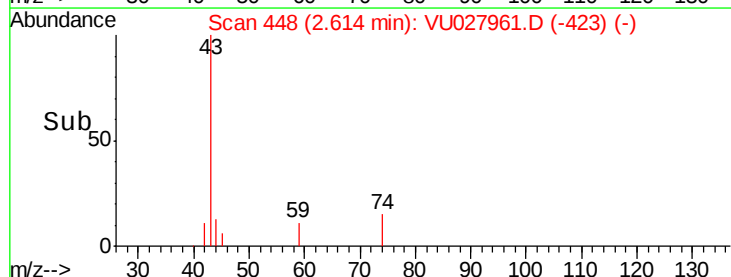
100

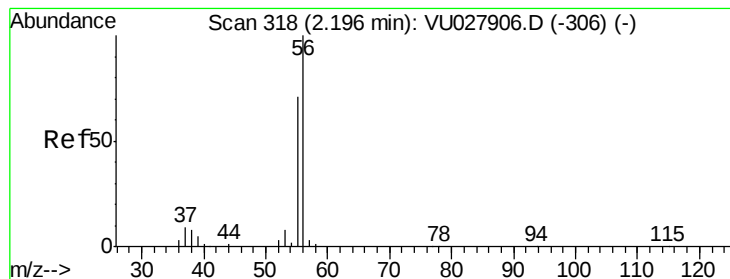
50

0

2.60 2.62 2.64

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027961.D

Acq: 05 Nov 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

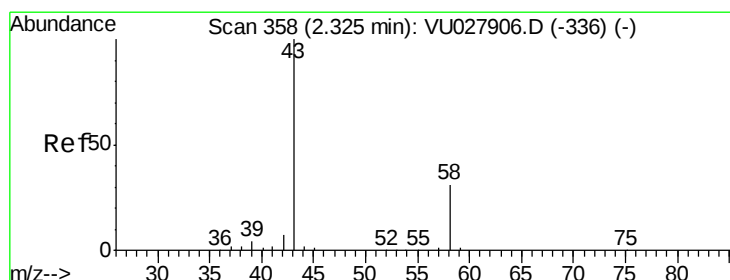
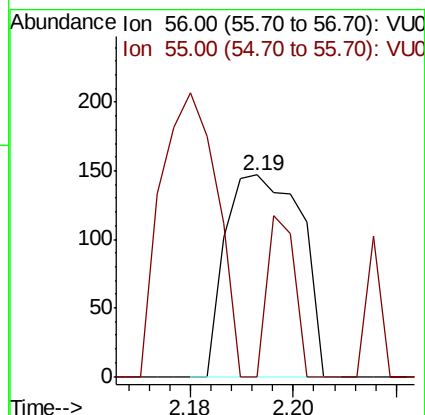
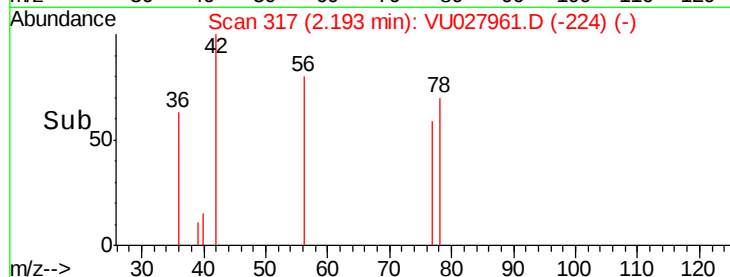
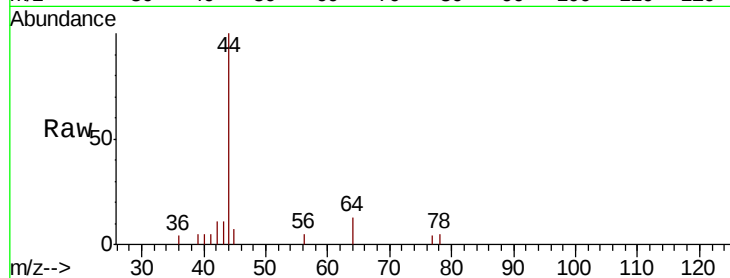
PB114473ZHE#16

Tot Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 28.9 56.2 84.4#



#16

Acetone

Concen: 5.613 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027961.D

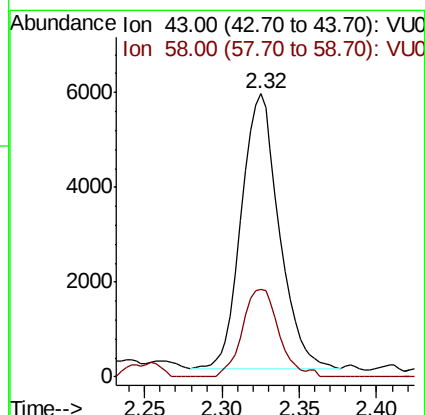
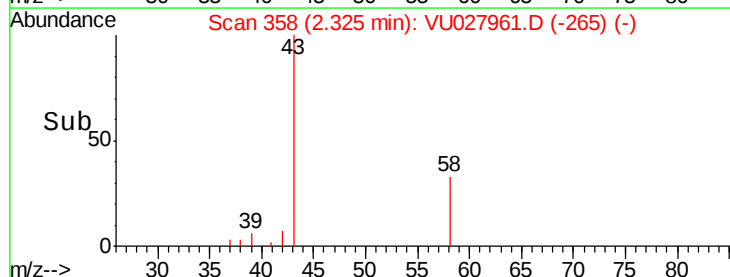
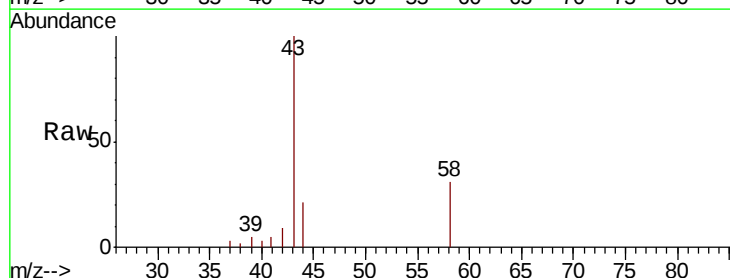
Acq: 05 Nov 2018 16:41

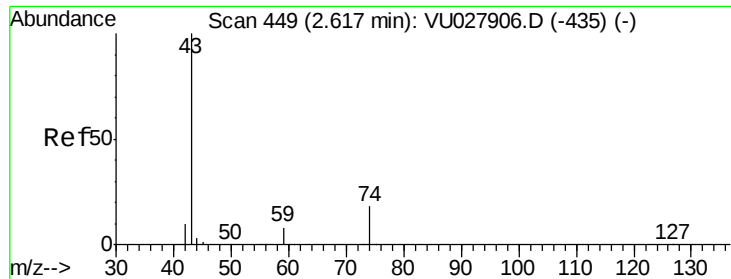
Tgt Ion: 43 Resp: 9839

Ion Ratio Lower Upper

43 100

58 32.0 24.6 37.0

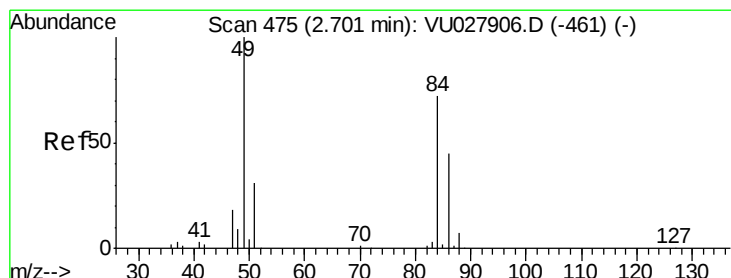
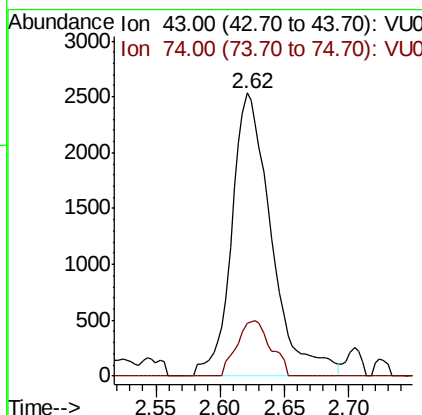
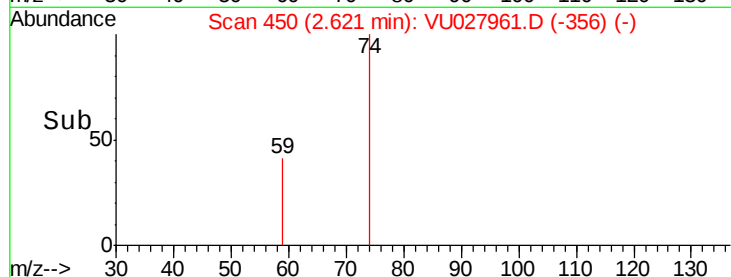
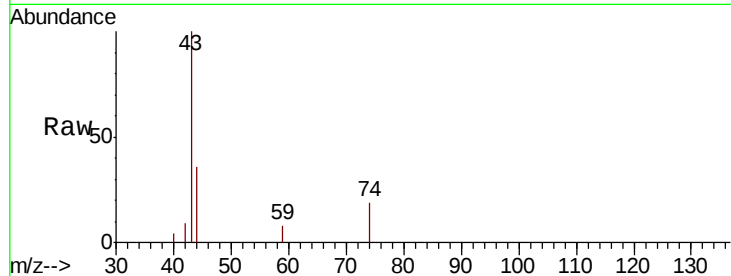




#18
Methyl Acetate
Concen: 1.122 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027961.D
Acq: 05 Nov 2018 16:41

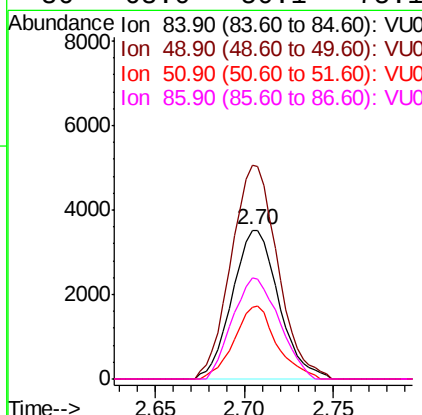
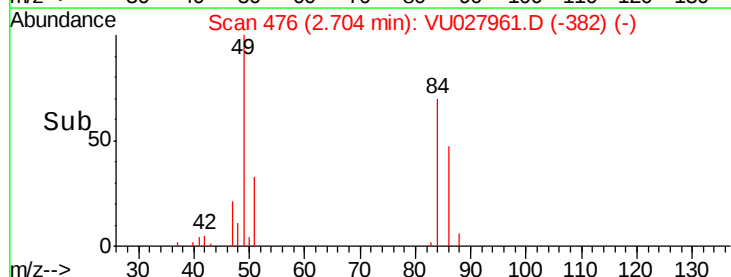
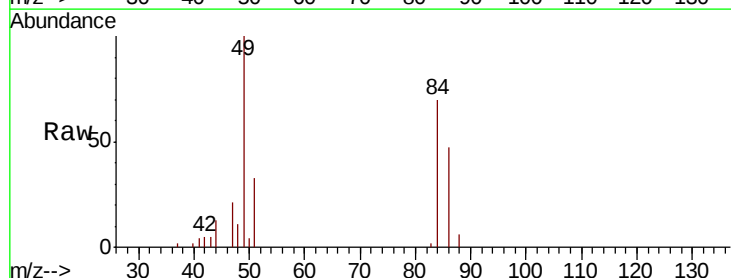
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#16

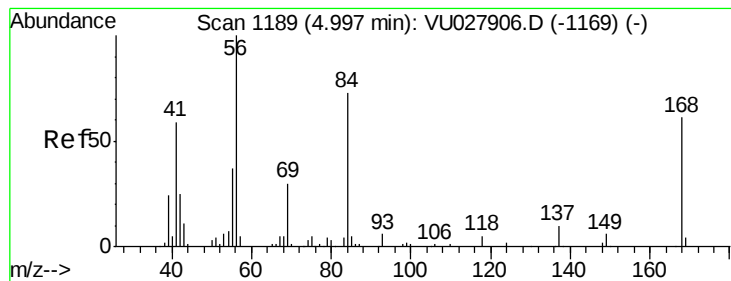
Tot Ion: 43 Resp: 5412
Ion Ratio Lower Upper
43 100
74 16.5 14.9 22.3



#20
Methylene Chloride
Concen: 2.497 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027961.D
Acq: 05 Nov 2018 16:41

Tgt Ion: 84 Resp: 6392
Ion Ratio Lower Upper
84 100
49 143.3 111.6 167.4
51 48.0 34.8 52.2
86 68.0 50.1 75.1





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU027961.D

Acq: 05 Nov 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#16

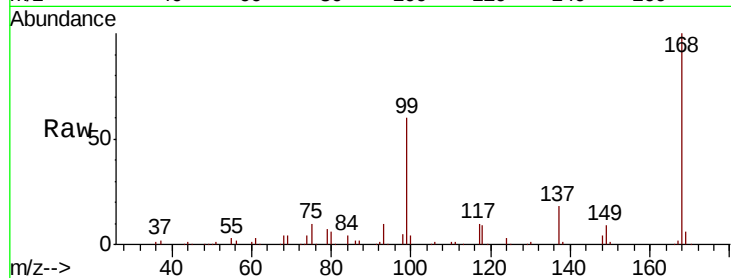
Tot Ion: 56 Resp: 4320

Ion Ratio Lower Upper

56 100

69 177.2 23.7 35.5#

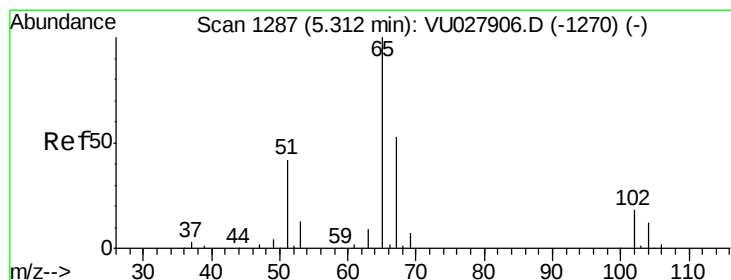
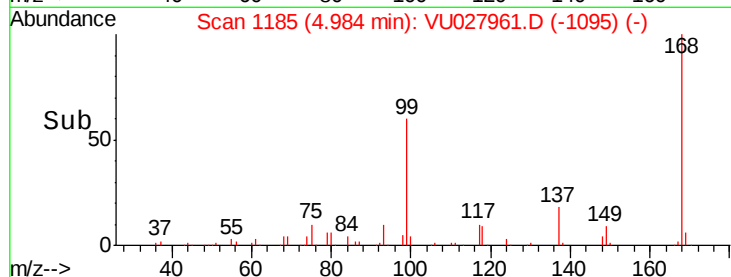
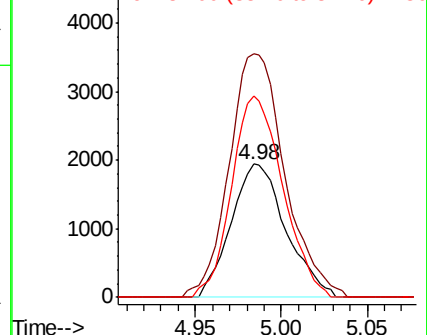
84 151.4 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-1169) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1169) (-)

Ion 84.00 (83.70 to 84.70): VU027906.D (-1169) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.475 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027961.D

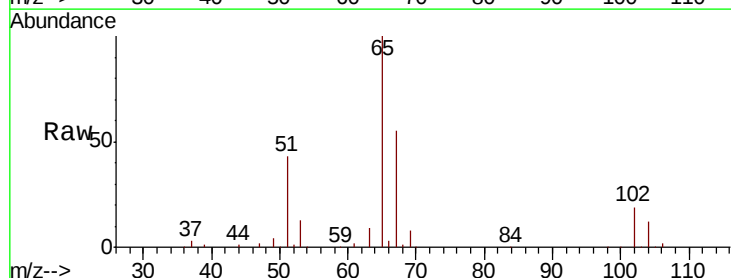
Acq: 05 Nov 2018 16:41

Tgt Ion: 65 Resp: 153907

Ion Ratio Lower Upper

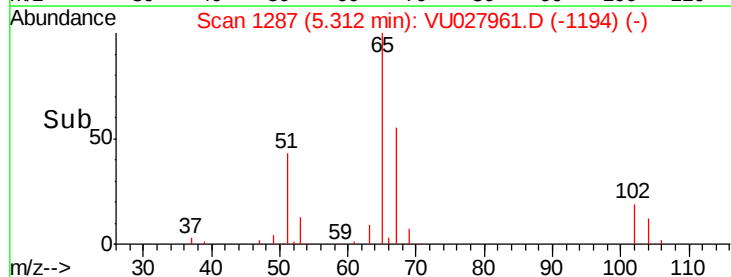
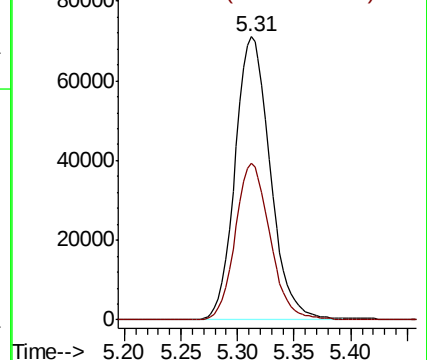
65 100

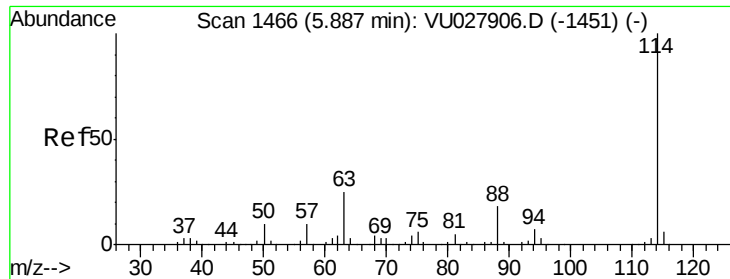
67 54.6 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

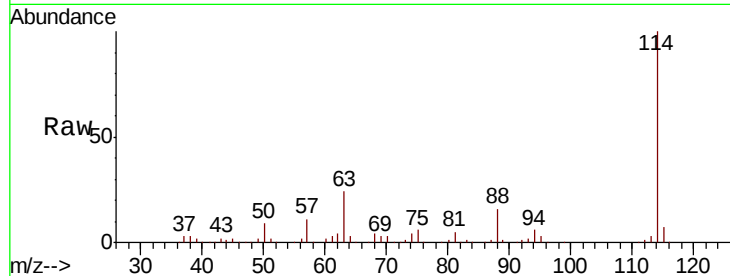




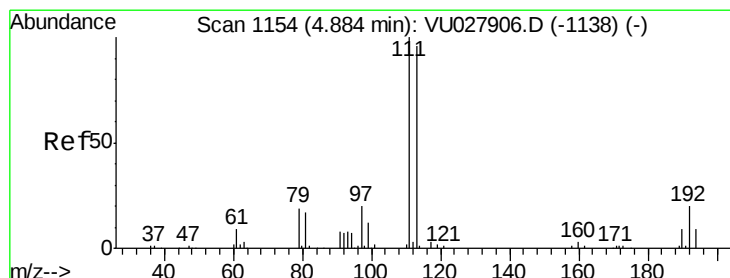
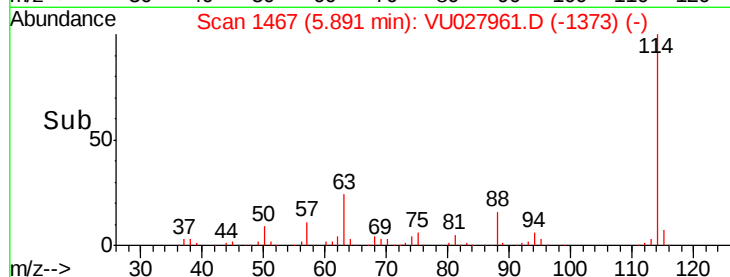
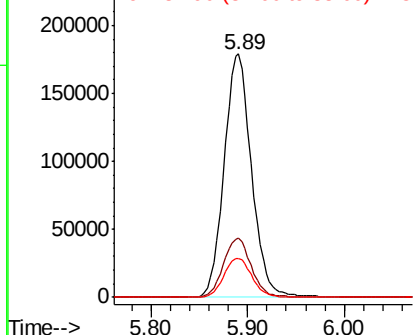
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027961.D
 Acq: 05 Nov 2018 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#16

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	50.8
88	16.1	0.0	35.8

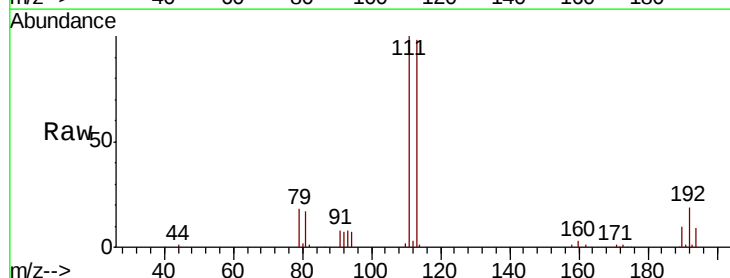


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

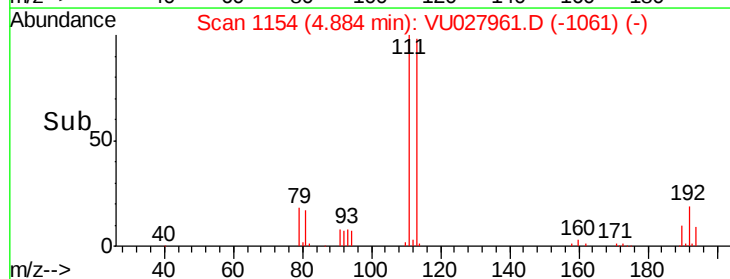
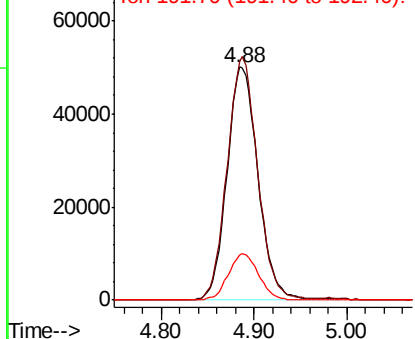


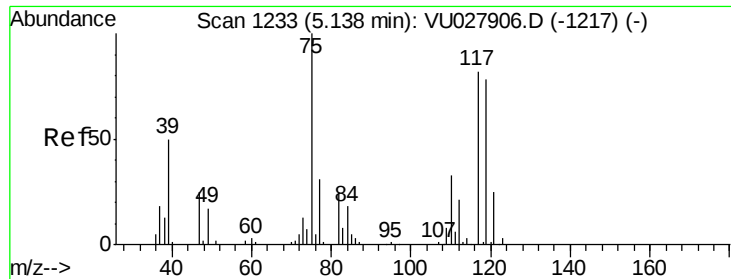
#35
 Dibromofluoromethane
 Concen: 52.358 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027961.D
 Acq: 05 Nov 2018 16:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.6
192	19.4	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

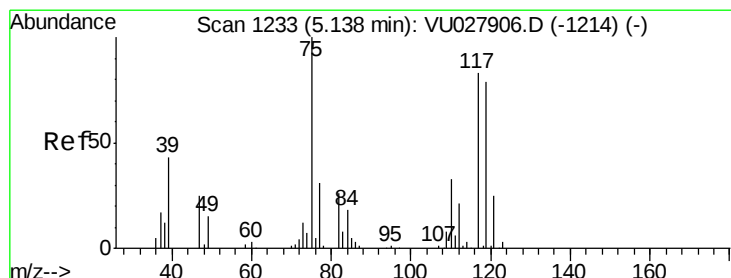
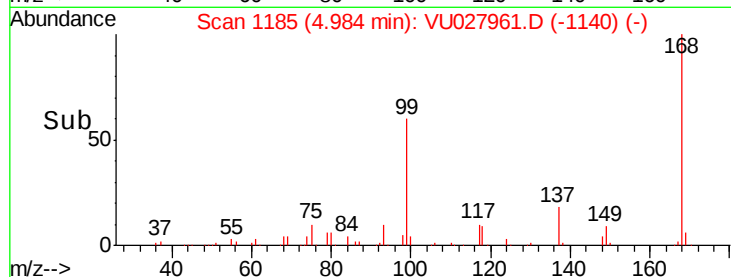
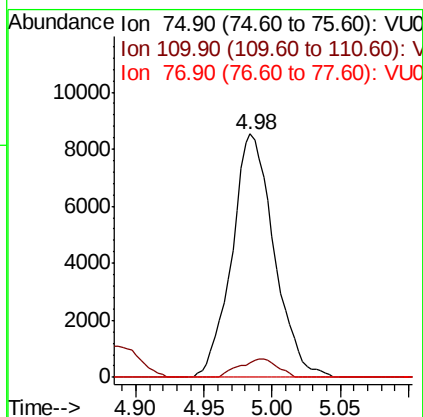
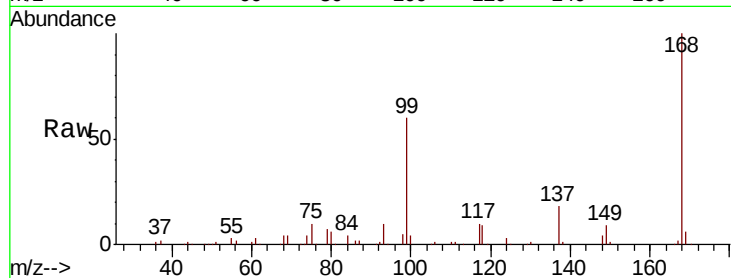




#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027961.D
 Acq: 05 Nov 2018 16:41

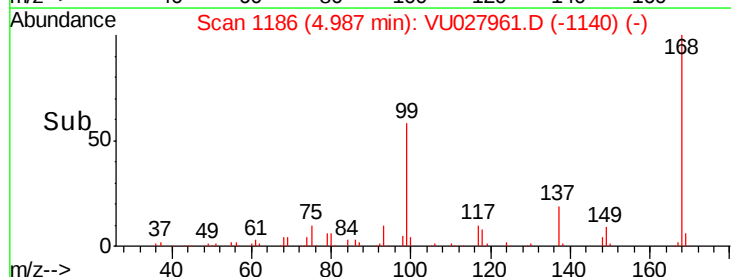
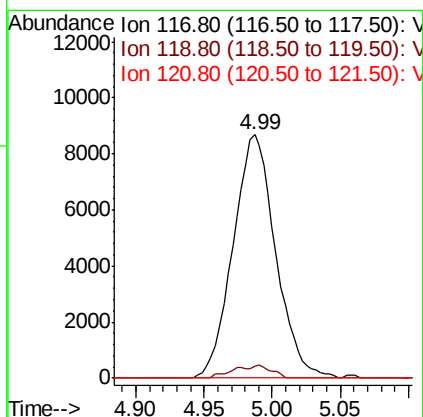
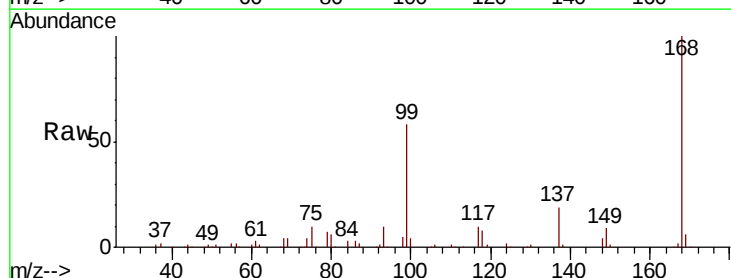
Instrument :
 MSVOA_U
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 PB114473ZHE#16

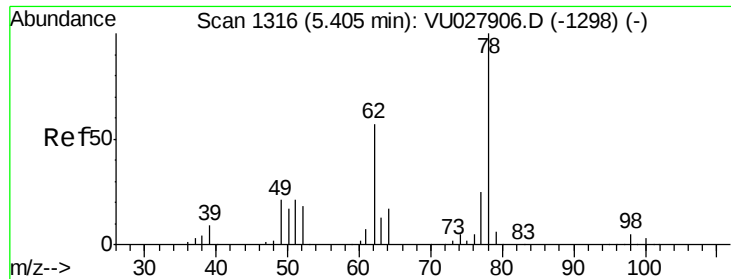
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.8	16.5	49.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.742 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027961.D
 Acq: 05 Nov 2018 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.0	114.0#
121	0.0	24.5	36.7#





#42

1,2-Dichloroethane

Concen: 0.213 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. 0.14 min

Lab File: VU027961.D

Acq: 05 Nov 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

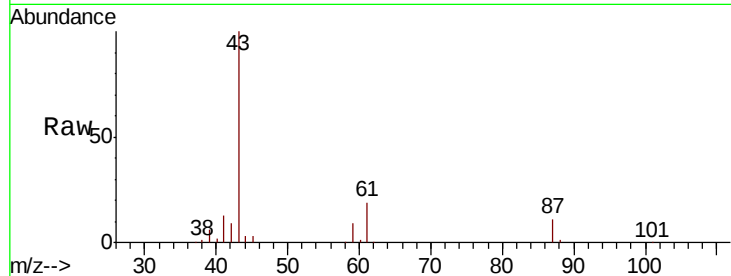
PB114473ZHE#16

Tot Ion: 62 Resp: 854

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

5.54

400

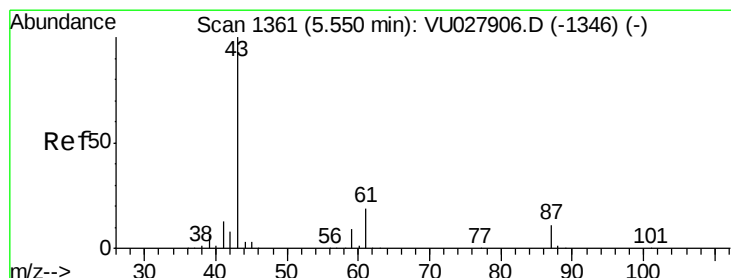
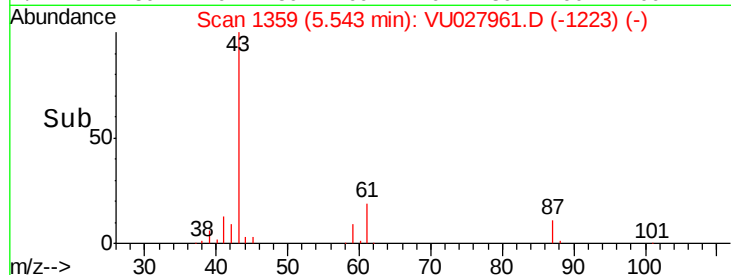
300

200

100

0

Time--> 5.50 5.55 5.60



#43

Isopropyl Acetate

Concen: 27.383 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU027961.D

Acq: 05 Nov 2018 16:41

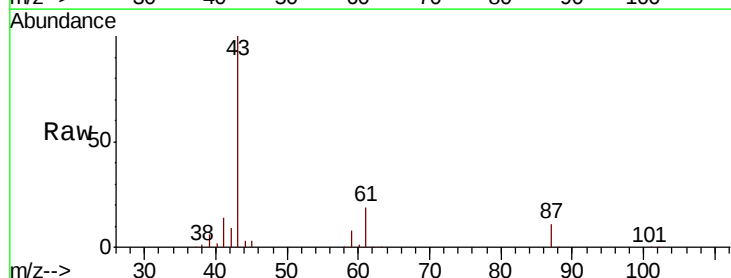
Tgt Ion: 43 Resp: 232133

Ion Ratio Lower Upper

43 100

61 19.0 15.0 22.4

87 10.9 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

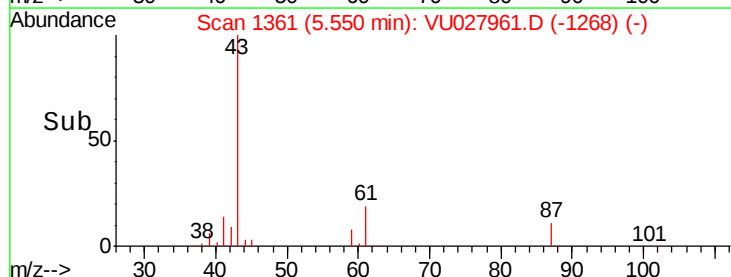
5.55

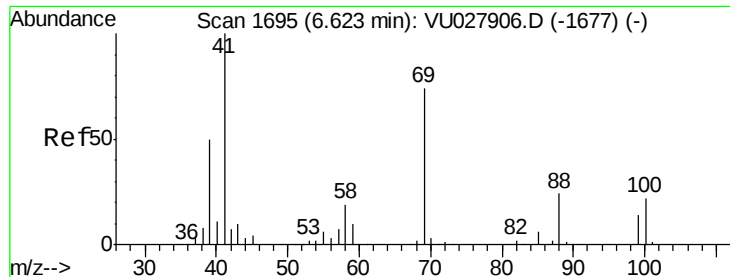
100000

50000

0

Time--> 5.40 5.50 5.60 5.70

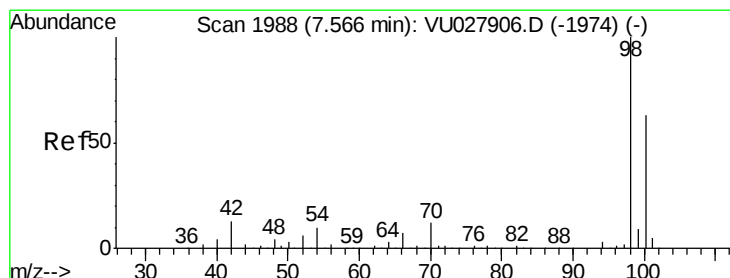
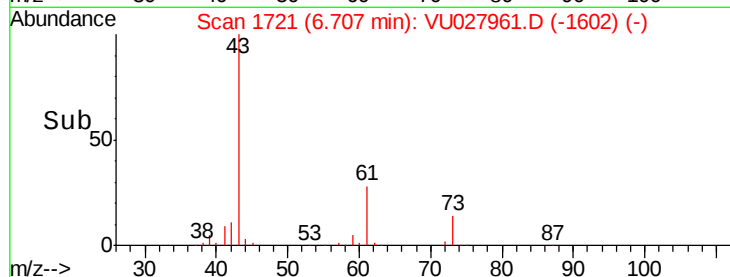
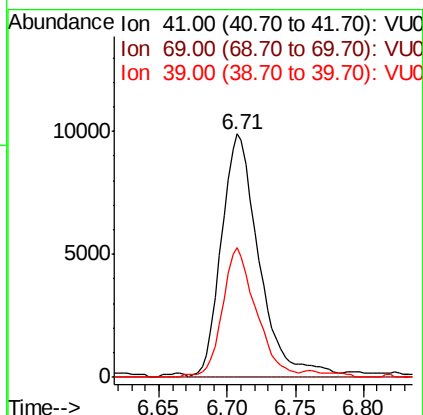
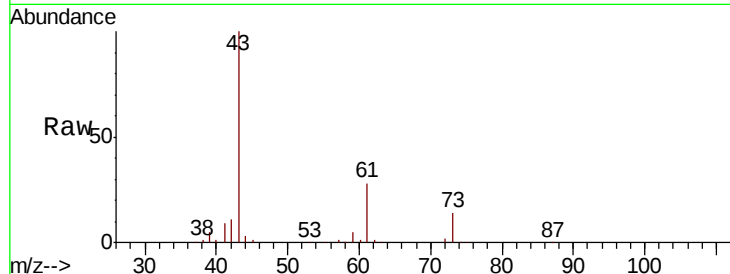




#48
Methvl methacrylate
Concen: 4.589 ug/l
RT: 6.71 min Scan# 1721
Delta R.T. 0.08 min
Lab File: VU027961.D
Acq: 05 Nov 2018 16:41

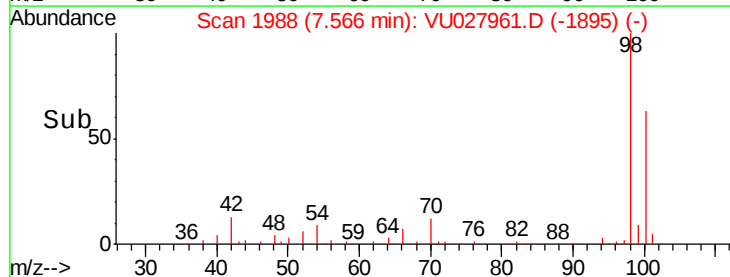
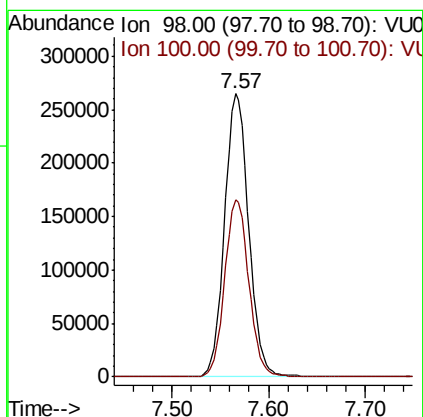
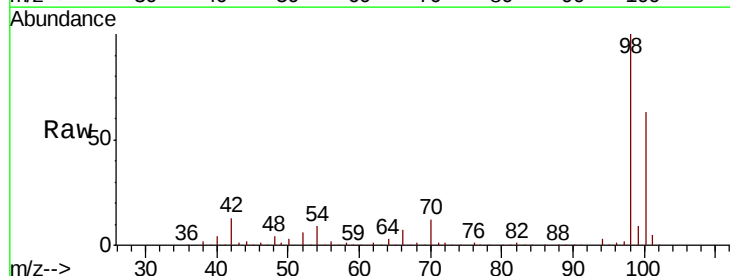
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#16

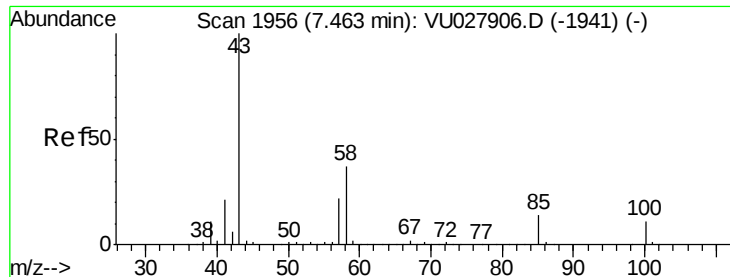
Tot Ion: 41 Resp: 19062
Ion Ratio Lower Upper
41 100
69 0.0 59.8 89.8#
39 47.7 40.0 60.0



#50
Toluene-d8
Concen: 53.441 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027961.D
Acq: 05 Nov 2018 16:41

Tgt Ion: 98 Resp: 458949
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 0.302 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027961.D

Acq: 05 Nov 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

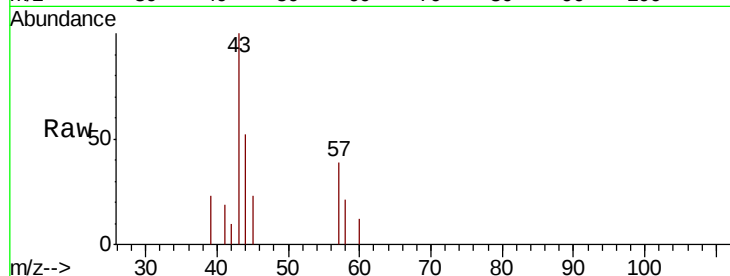
PB114473ZHE#16

Tot Ion: 43 Resp: 1708

Ion Ratio Lower Upper

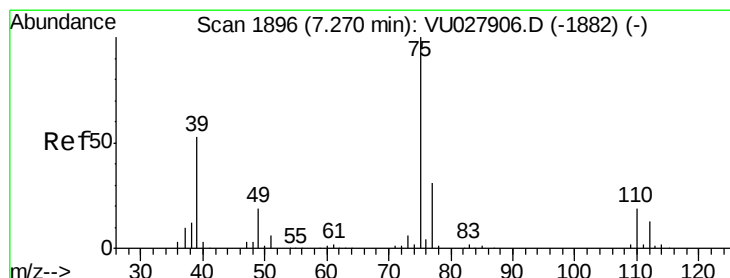
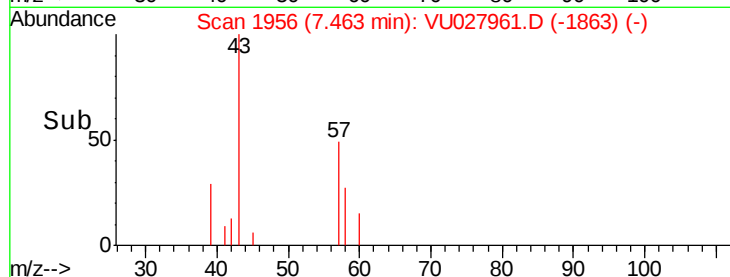
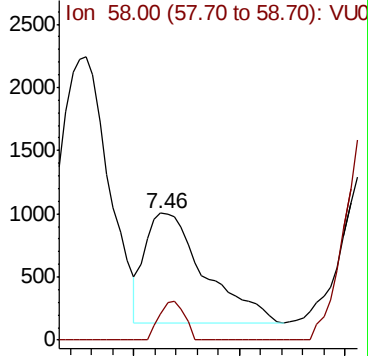
43 100

58 14.9 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)



#54

cis-1,3-Dichloropropene

Concen: 0.361 ug/l

RT: 7.43 min Scan# 1945

Delta R.T. 0.16 min

Lab File: VU027961.D

Acq: 05 Nov 2018 16:41

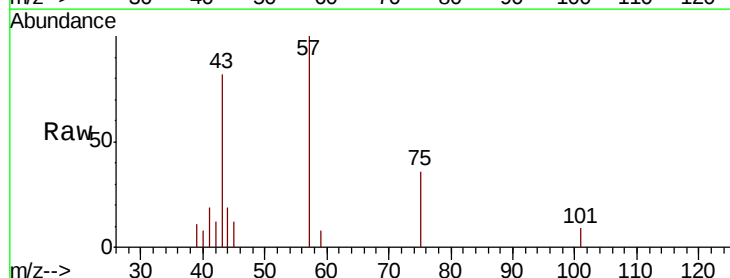
Tgt Ion: 75 Resp: 1607

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

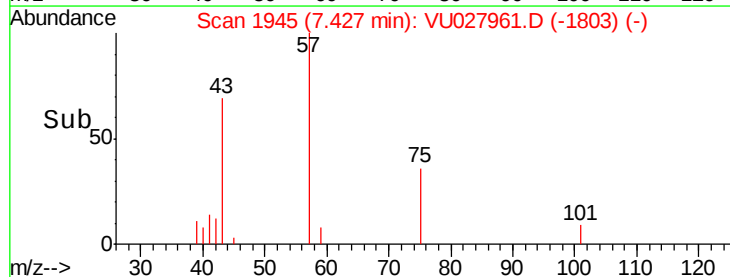
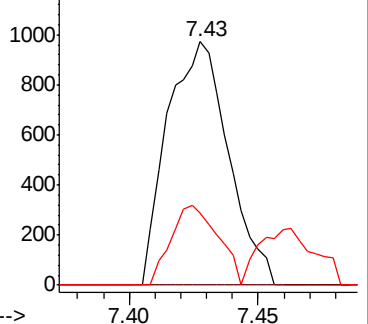
39 29.6 42.6 64.0#

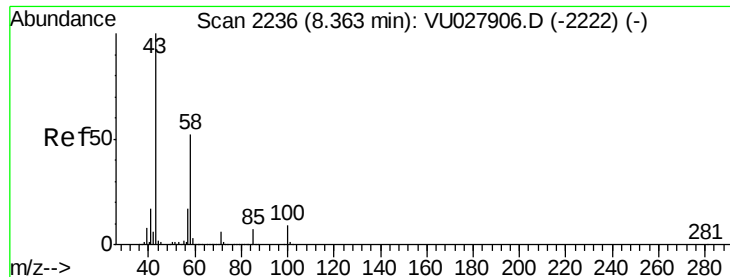


Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1882) (-)

Ion 76.90 (76.60 to 77.60): VU027906.D (-1882) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1882) (-)





#59

2-Hexanone

Concen: 3.375 ug/l

RT: 8.42 min Scan# 2253

Delta R.T. 0.05 min

Lab File: VU027961.D

Acq: 05 Nov 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

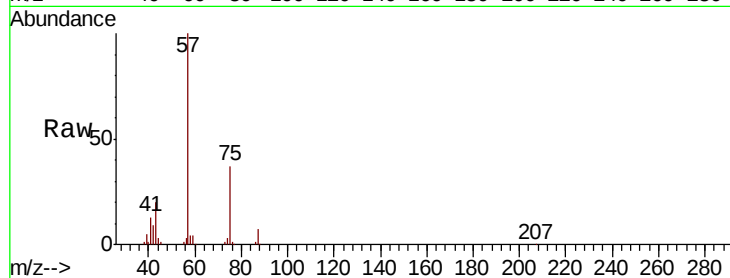
PB114473ZHE#16

Tot Ion: 43 Resp: 14777

Ion Ratio Lower Upper

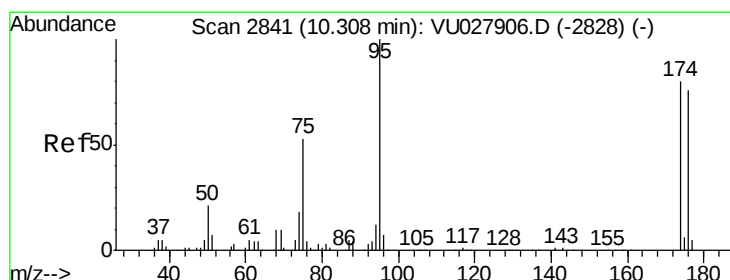
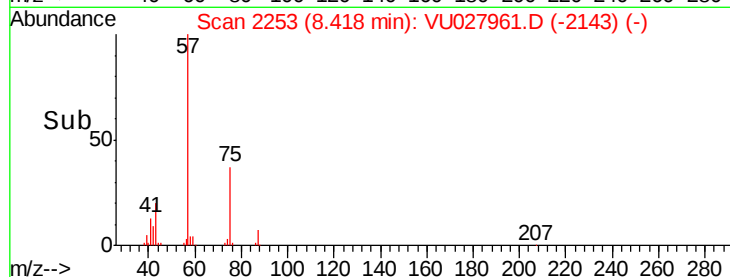
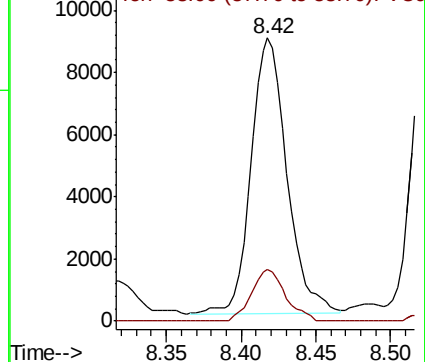
43 100

58 17.8 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 48.490 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027961.D

Acq: 05 Nov 2018 16:41

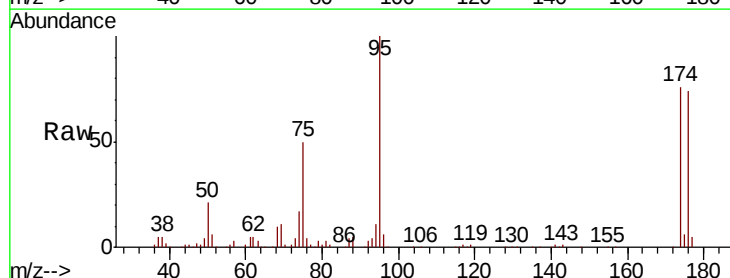
Tgt Ion: 95 Resp: 153597

Ion Ratio Lower Upper

95 100

174 76.6 0.0 156.4

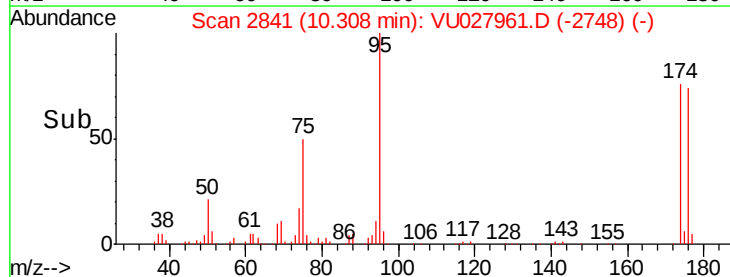
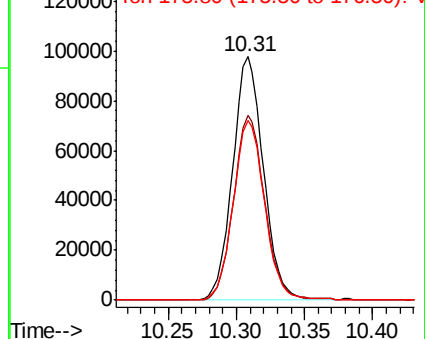
176 75.1 0.0 150.8

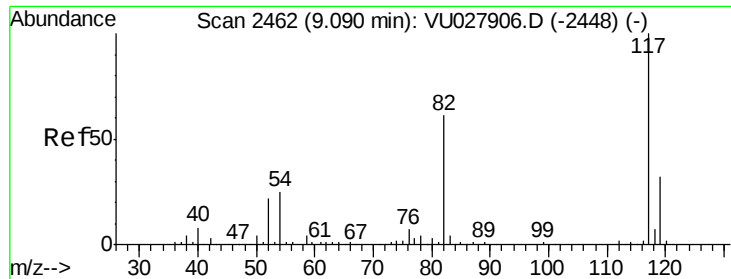


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

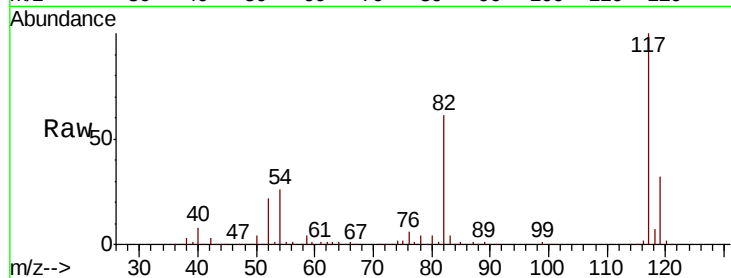




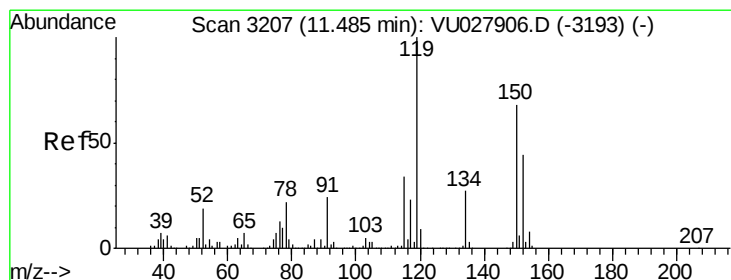
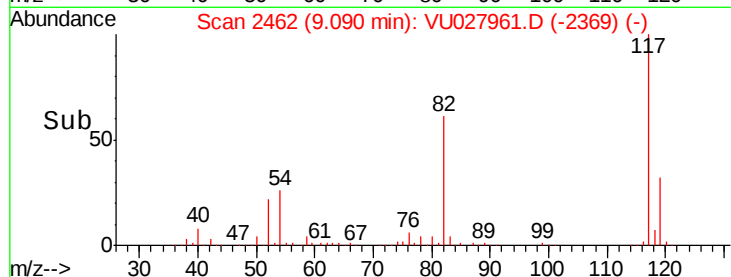
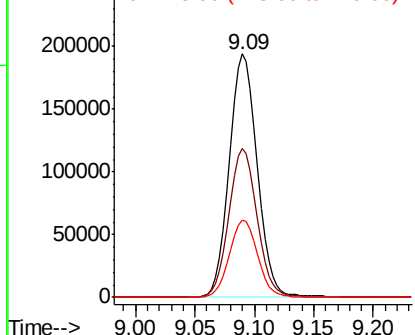
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027961.D
Acq: 05 Nov 2018 16:41

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#16

Tot Ion:117 Resp: 317524
Ion Ratio Lower Upper
117 100
82 61.2 48.6 73.0
119 31.5 25.8 38.8

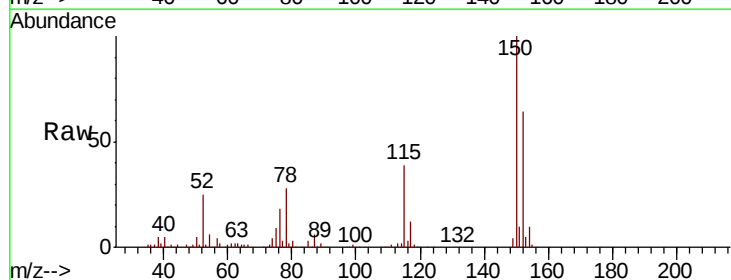


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

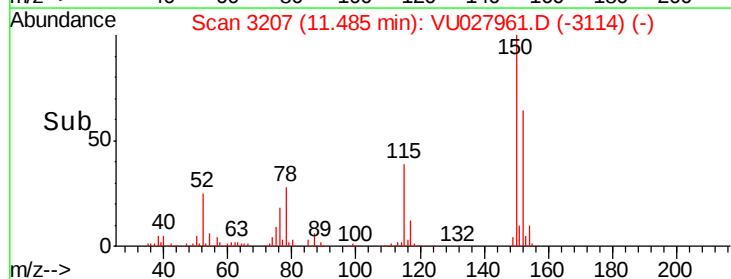
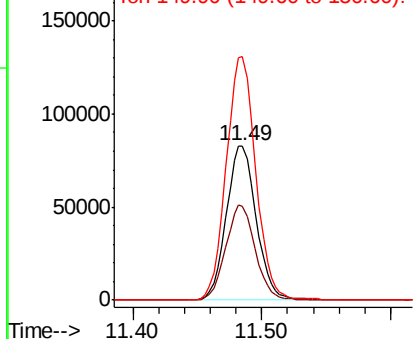


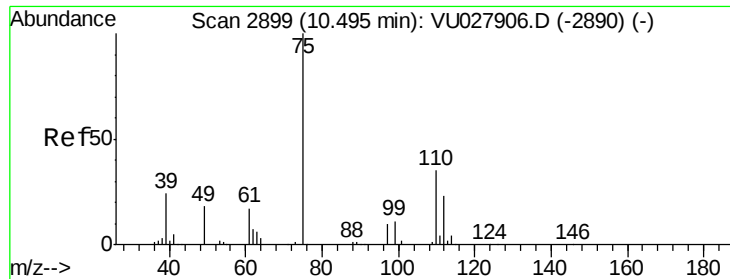
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027961.D
Acq: 05 Nov 2018 16:41

Tgt Ion:152 Resp: 133401
Ion Ratio Lower Upper
152 100
115 60.7 43.0 129.0
150 156.2 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: 21.814 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027961.D

Acq: 05 Nov 2018 16:41

Instrument :

MSVOA_U

ClientSampleId :

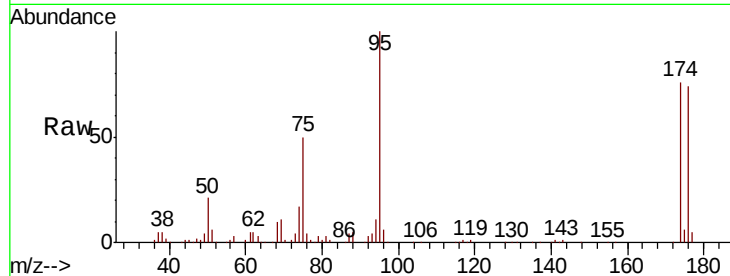
PB114473ZHE#16

Tot Ion: 75 Resp: 79599

Ion Ratio Lower Upper

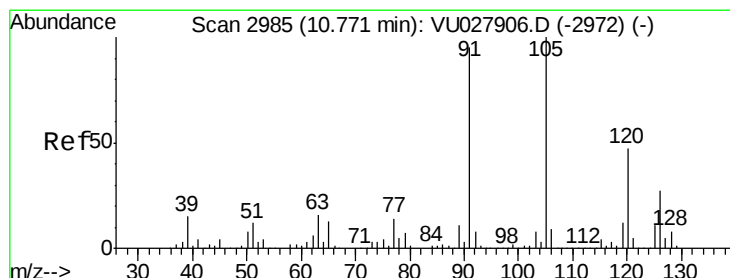
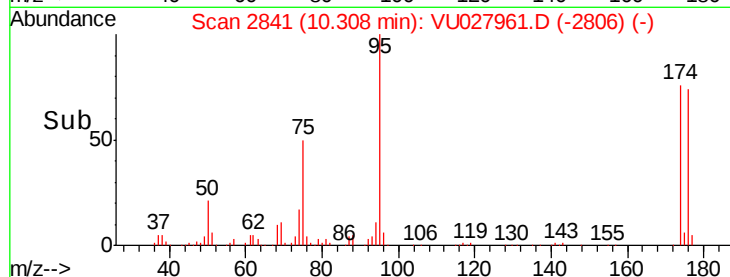
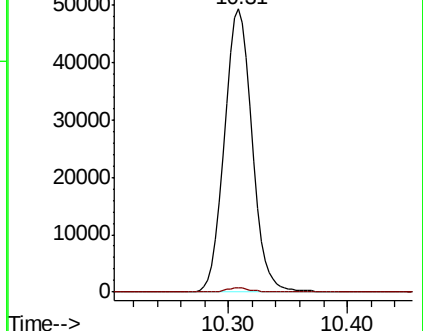
75 100

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: 0.209 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027961.D

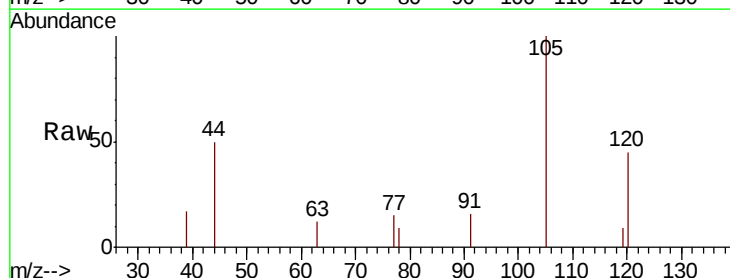
Acq: 05 Nov 2018 16:41

Tgt Ion: 105 Resp: 1787

Ion Ratio Lower Upper

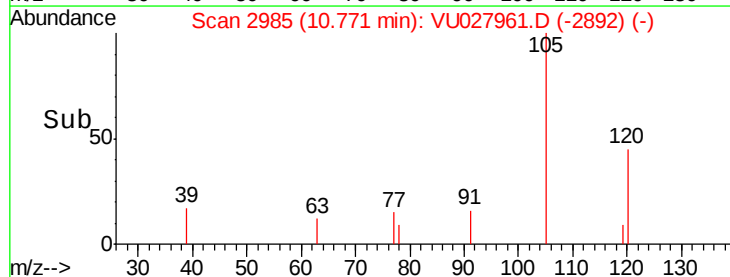
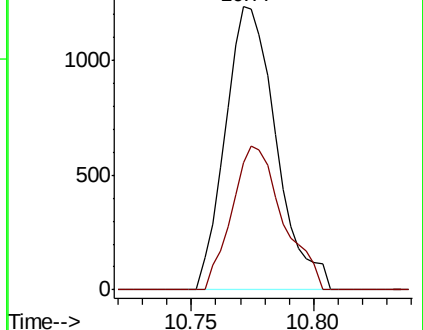
105 100

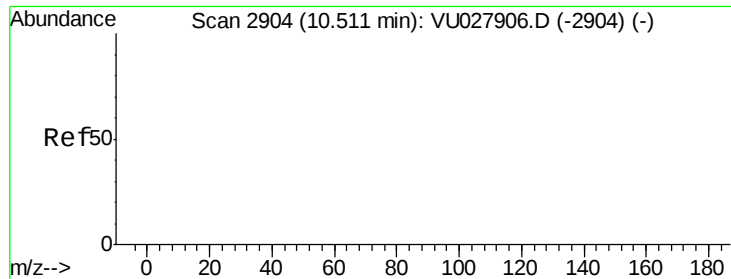
120 50.6 23.3 69.9



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: 54.443 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027961.D
 Acq: 05 Nov 2018 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#16

Tot Ion: 75 Resp: 79599
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

