

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\
 Data File : VU027951.D
 Acq On : 05 Nov 2018 12:49
 Operator : MD/SY
 Sample : PB114473ZHE#06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#06

Quant Time: Nov 06 03:23:07 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	194119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	355914	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	317399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	132688	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	153442	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
35) Dibromofluoromethane	4.89	113	115507	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	7.57	98	452651	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	10.31	95	153169	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	

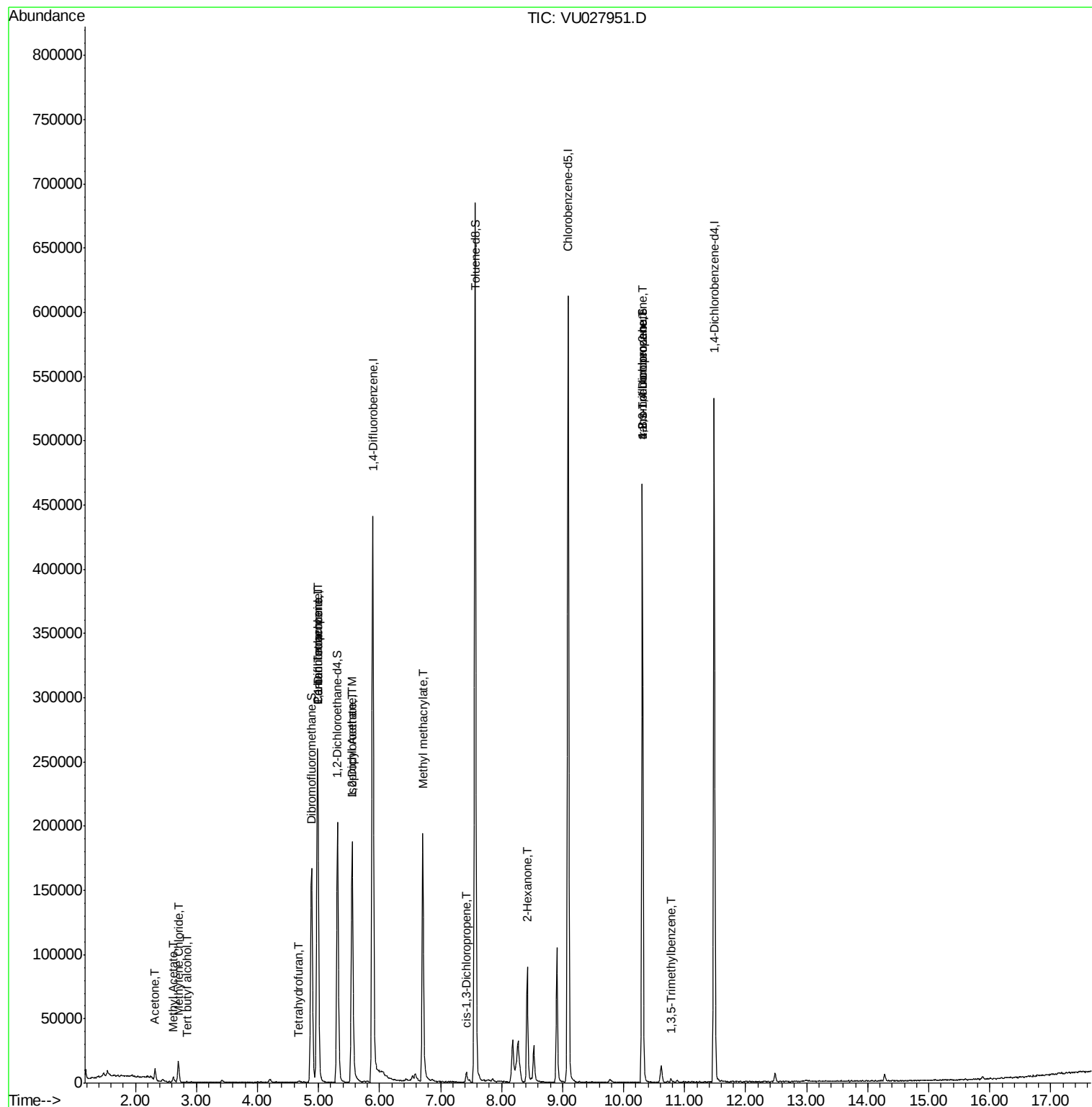
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	290	0.380	ug/l #	73
13) Acrolein	2.21	56	42	Below Cal	#	1
16) Acetone	2.32	43	8943	4.994	ug/l	99
18) Methyl Acetate	2.62	43	5128	1.041	ug/l	92
20) Methylene Chloride	2.70	84	6584	2.518	ug/l	88
29) Tetrahydrofuran	4.66	42	426	0.224	ug/l #	60
31) Cyclohexane	4.98	56	4487	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16713	4.484	ug/l #	50
38) Carbon Tetrachloride	4.98	117	19144	5.795	ug/l #	16
42) 1,2-Dichloroethane	5.55	62	821	0.203	ug/l #	76
43) Isopropyl Acetate	5.55	43	229643	26.837	ug/l	99
48) Methyl methacrylate	6.71	41	18534	4.420	ug/l #	46
54) cis-1,3-Dichloropropene	7.42	75	1379	0.307	ug/l #	60
59) 2-Hexanone	8.42	43	14024	3.173	ug/l #	50
76) 1,2,3-Trichloropropane	10.31	75	79560	21.921	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	1781	0.209	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.31	75	79560	54.707	ug/l #	100
95) Naphthalene	13.78	128	97	Below Cal	#	69

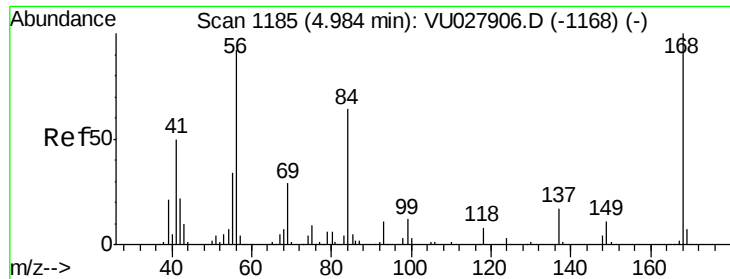
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027951.D

Acq: 05 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

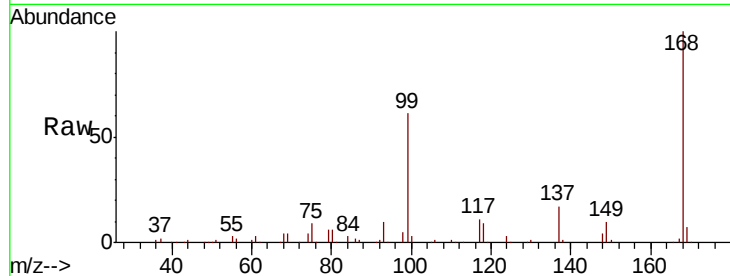
PB114473ZHE#06

Tot Ion:168 Resp: 194119

Ion Ratio Lower Upper

168 100

99 60.6 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

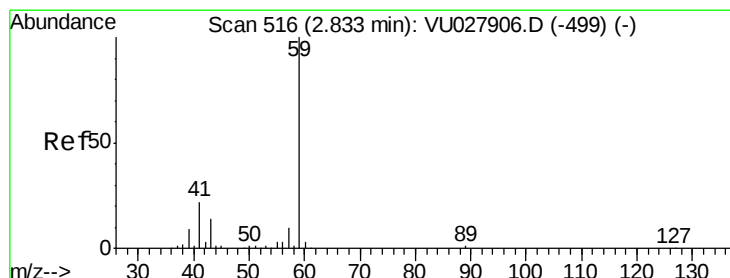
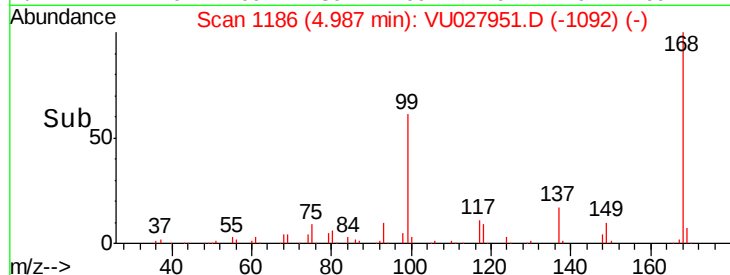
40000

20000

0

Time-->

4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 0.380 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU027951.D

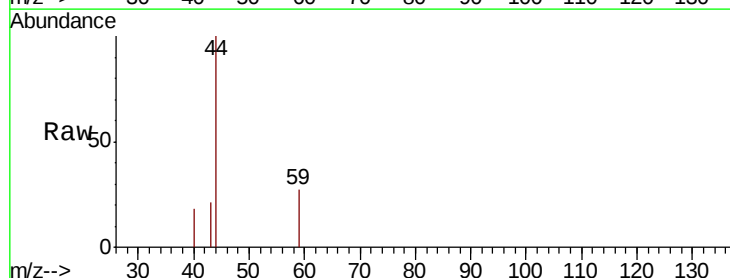
Acq: 05 Nov 2018 12:49

Tgt Ion: 59 Resp: 290

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) (-)

2.83

200

150

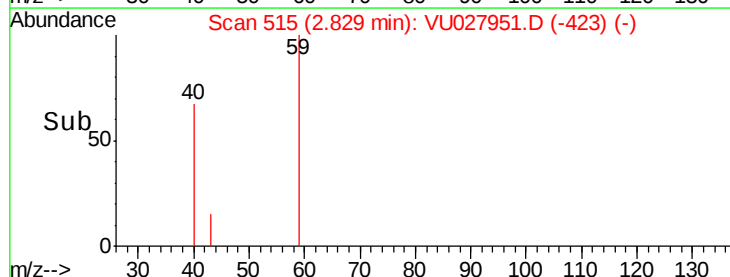
100

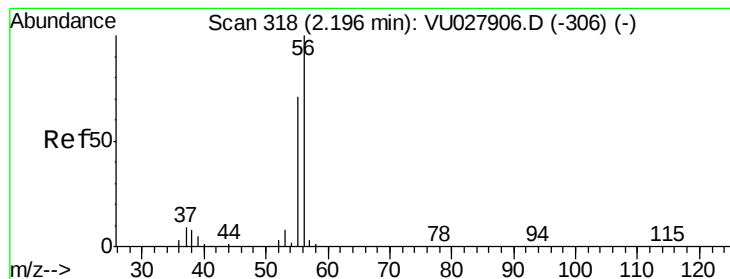
50

0

Time-->

2.80 2.82 2.84 2.86





#13

Acrolein

Concen: Below Cal

RT: 2.21 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

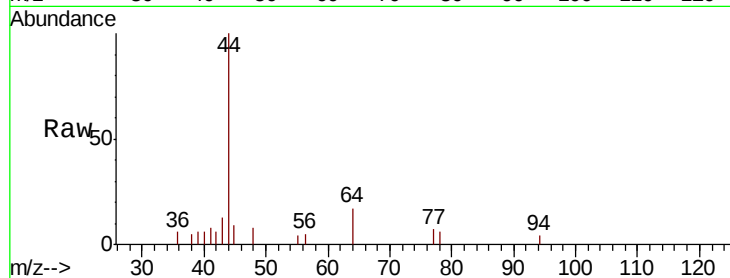
PB114473ZHE#06

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

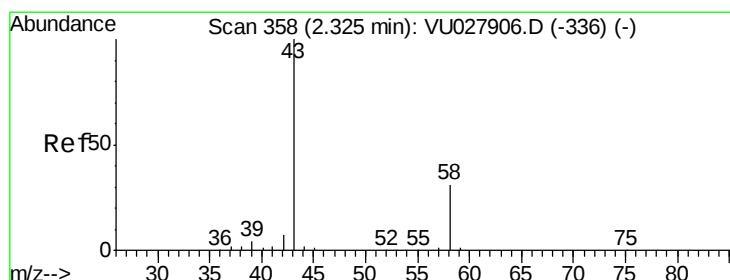
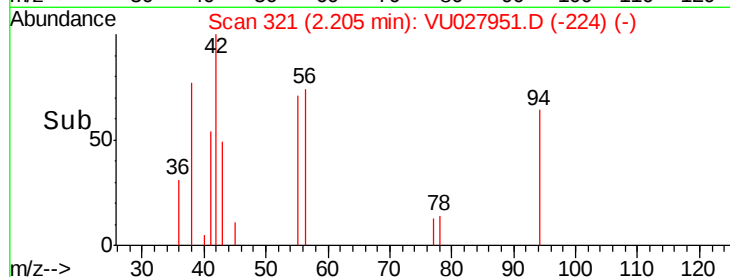
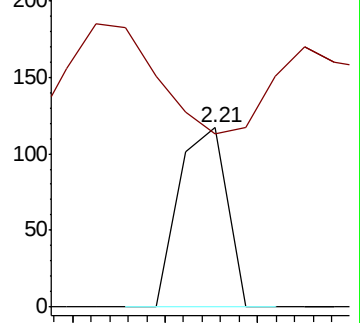
56 100

55 209.5 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 4.994 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027951.D

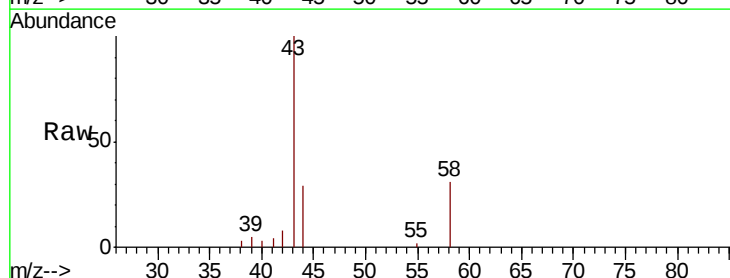
Acq: 05 Nov 2018 12:49

Tgt Ion: 43 Resp: 8943

Ion Ratio Lower Upper

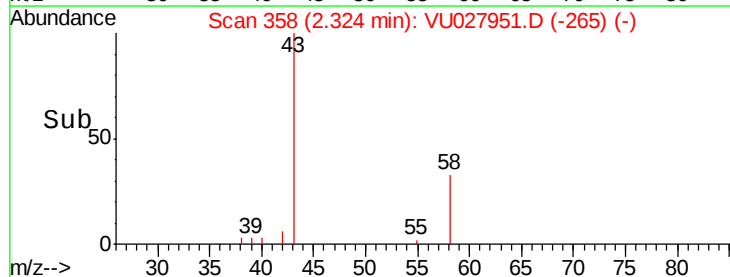
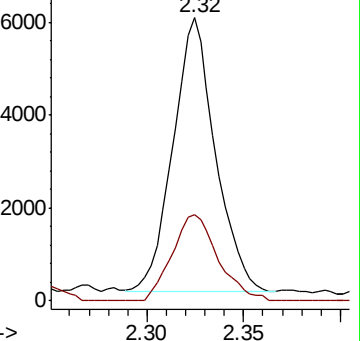
43 100

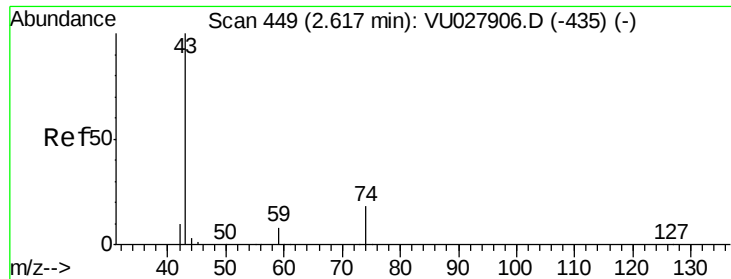
58 31.6 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

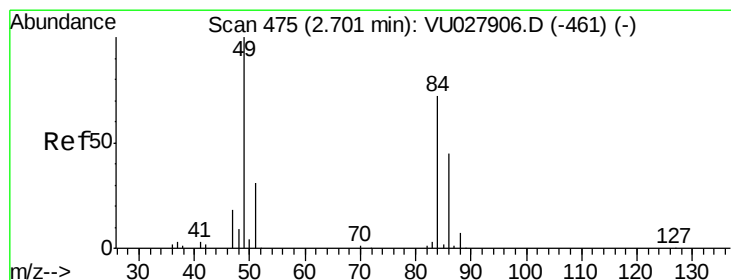
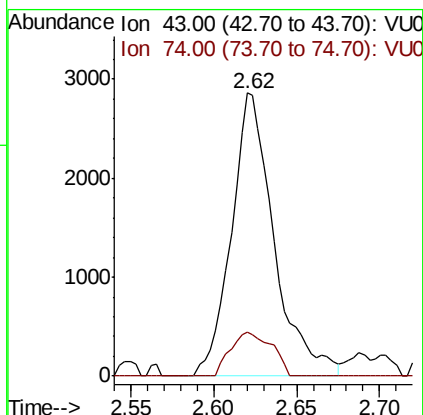
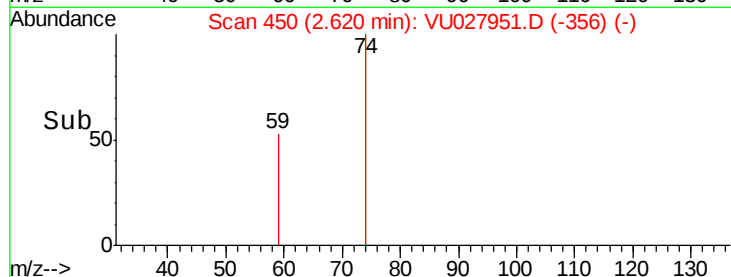
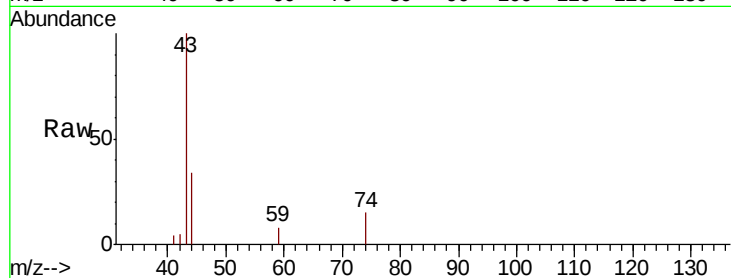




#18
Methyl Acetate
Concen: 1.041 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027951.D
Acq: 05 Nov 2018 12:49

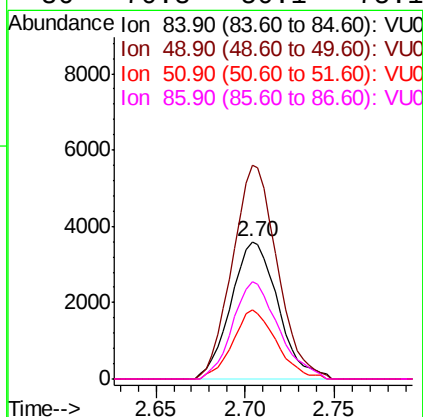
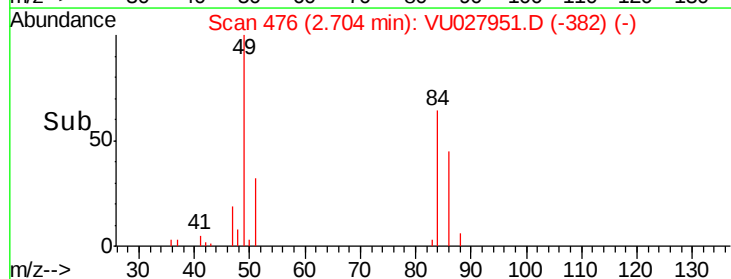
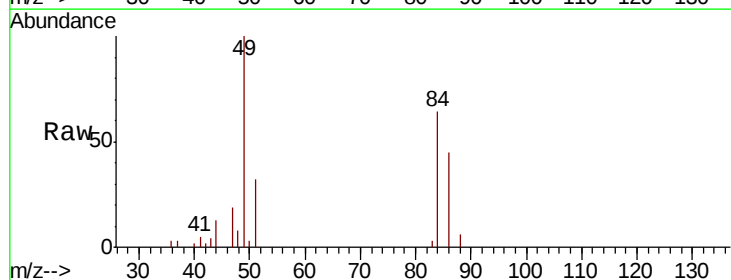
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#06

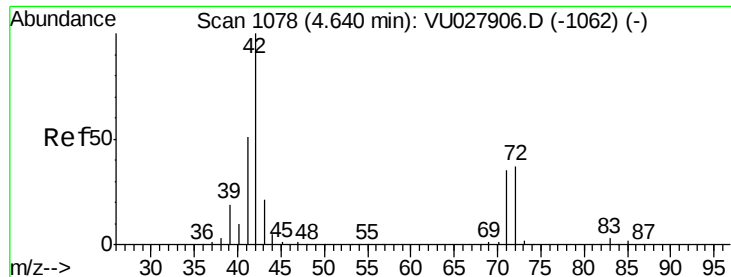
Tot Ion: 43 Resp: 5128
Ion Ratio Lower Upper
43 100
74 15.0 14.9 22.3



#20
Methylene Chloride
Concen: 2.518 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027951.D
Acq: 05 Nov 2018 12:49

Tgt Ion: 84 Resp: 6584
Ion Ratio Lower Upper
84 100
49 155.8 111.6 167.4
51 50.4 34.8 52.2
86 70.8 50.1 75.1





#29

Tetrahydrofuran

Concen: 0.224 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#06

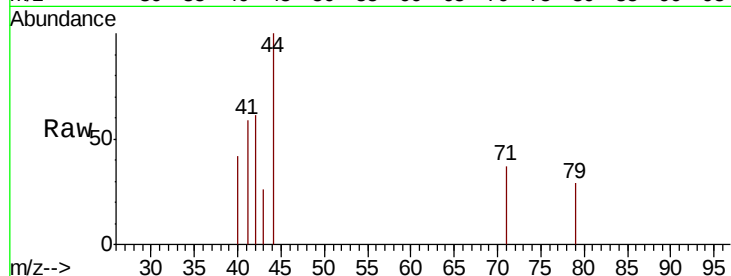
Tot Ion: 42 Resp: 426

Ion Ratio Lower Upper

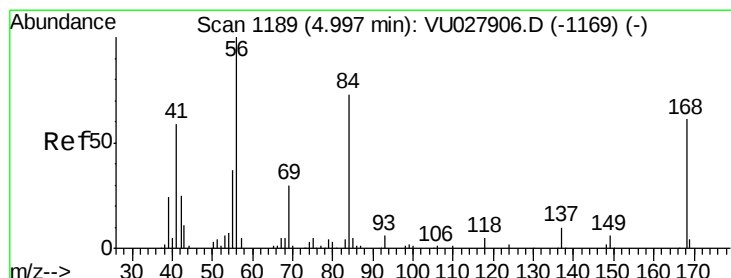
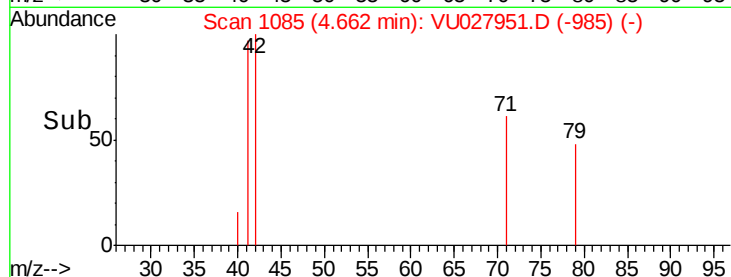
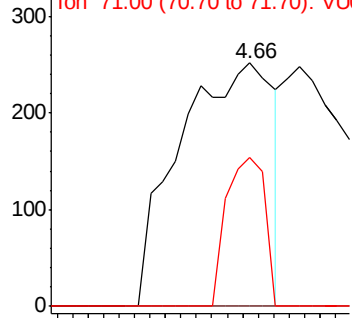
42 100

72 0.0 29.4 44.0#

71 24.6 27.9 41.9#



Abundance Ion 42.00 (41.70 to 42.70): VU027951.D (-985) (-)



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

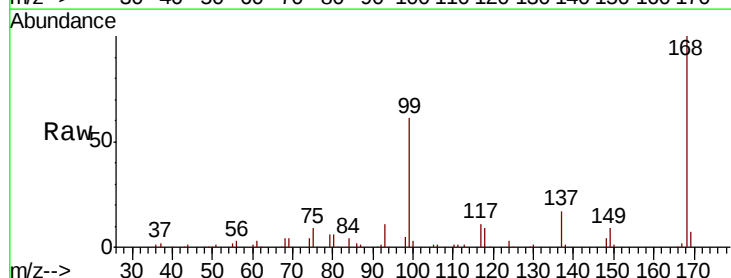
Tgt Ion: 56 Resp: 4487

Ion Ratio Lower Upper

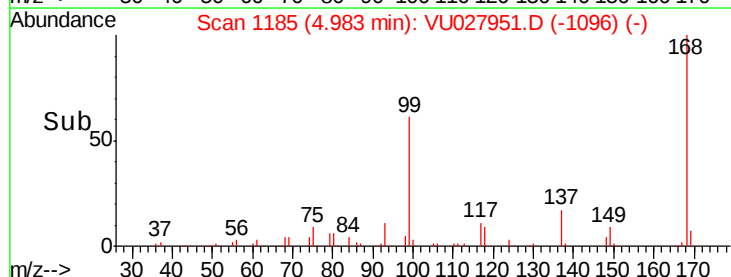
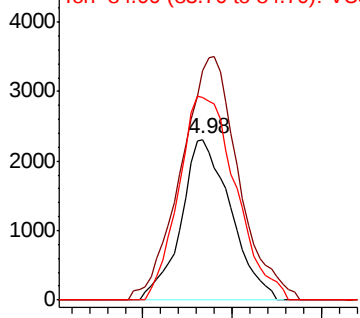
56 100

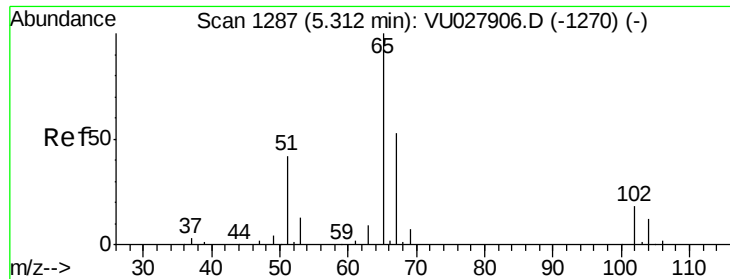
69 136.9 23.7 35.5#

84 126.0 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027951.D (-1096) (-)

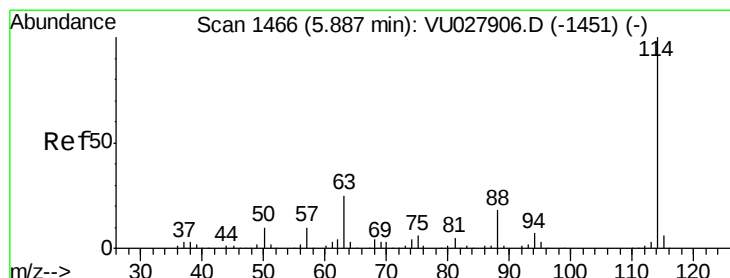
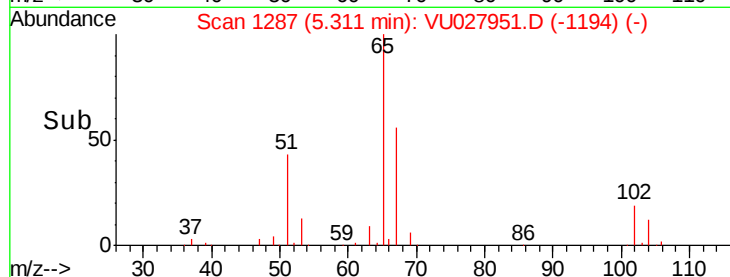
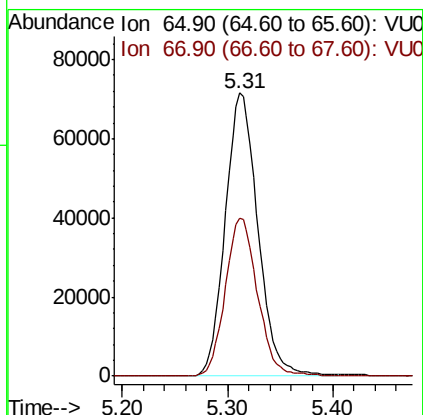
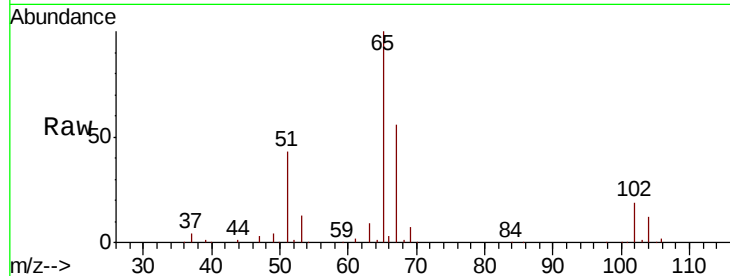




#33
 1,2-Dichloroethane-d4
 Concen: 53.166 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027951.D
 Acq: 05 Nov 2018 12:49

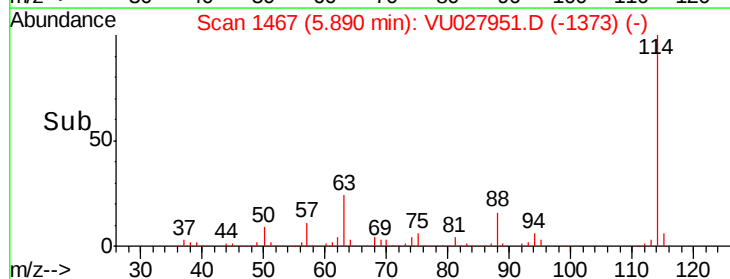
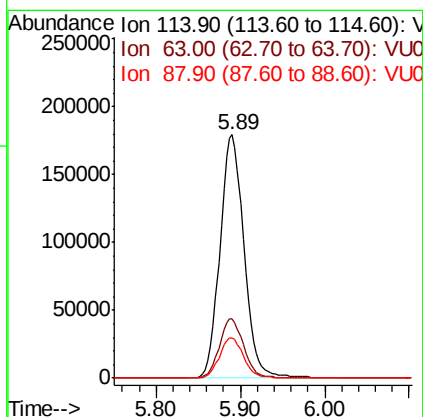
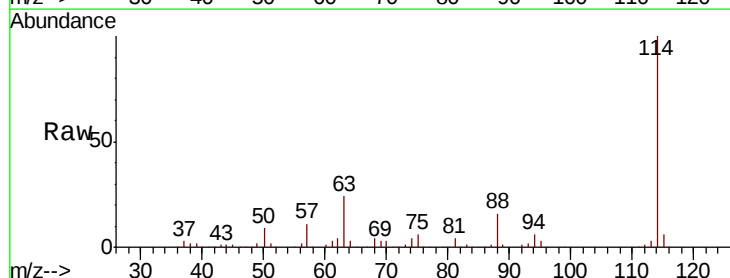
Instrument :
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 PB114473ZHE#06

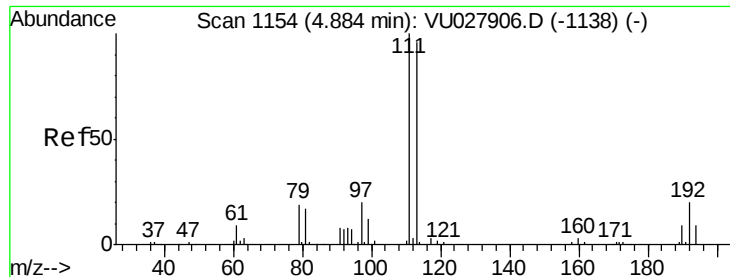
Tot Ion: 65 Resp: 153442
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027951.D
 Acq: 05 Nov 2018 12:49

Tgt Ion: 114 Resp: 355914
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.8
 88 16.5 0.0 35.8

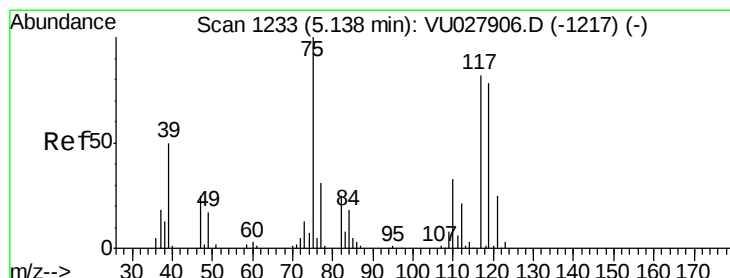
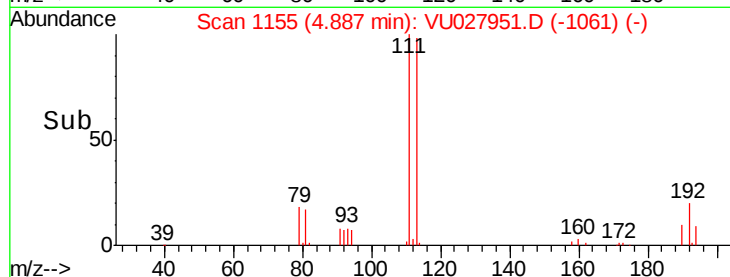
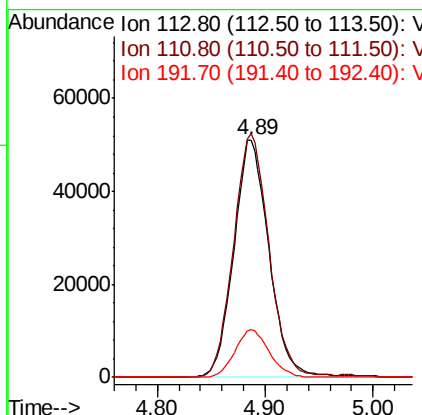
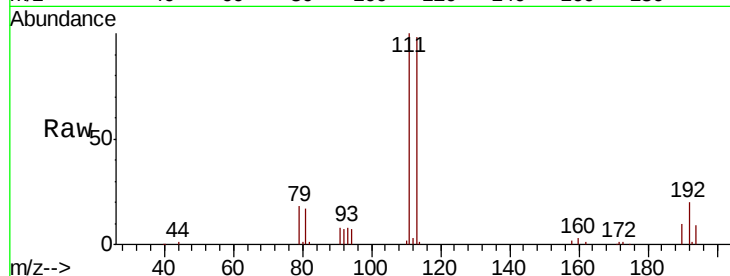




#35
 Dibromofluoromethane
 Concen: 51.472 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027951.D
 Acq: 05 Nov 2018 12:49

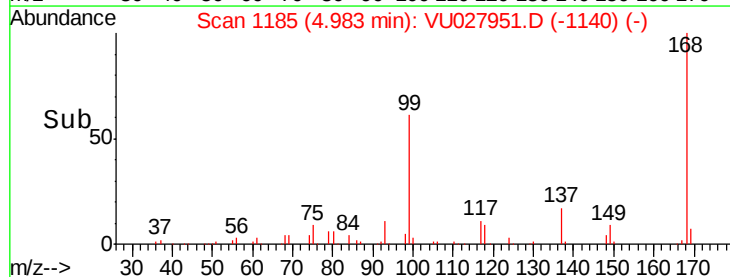
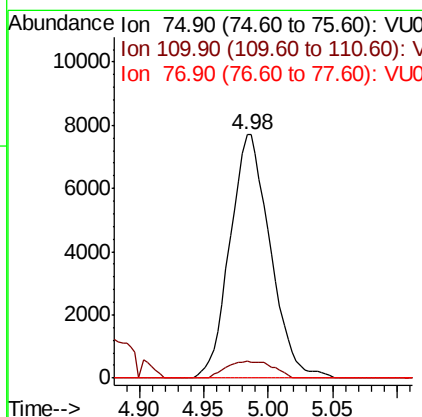
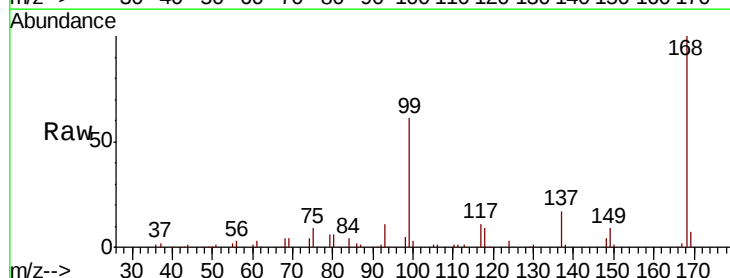
Instrument :
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 ClientSampleId :
 PB114473ZHE#06

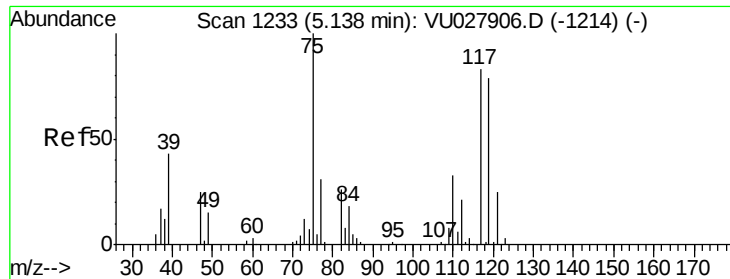
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.0	124.6
192	19.7	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.484 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027951.D
 Acq: 05 Nov 2018 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.5	49.5#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.795 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#06

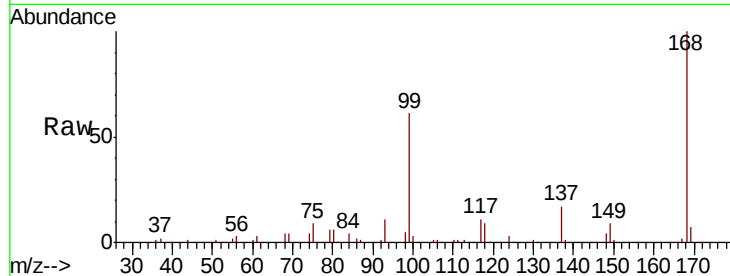
Tot Ion:117 Resp: 19144

Ion Ratio Lower Upper

117 100

119 4.4 76.0 114.0#

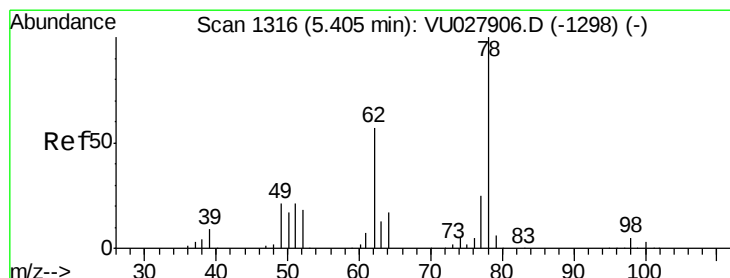
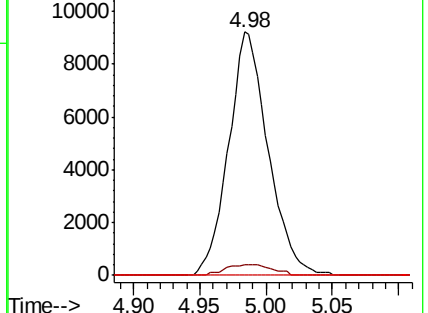
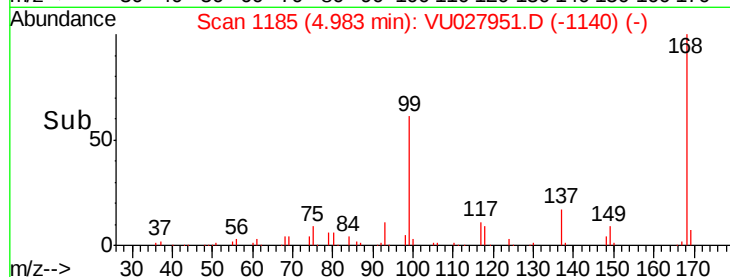
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#42

1,2-Dichloroethane

Concen: 0.203 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.15 min

Lab File: VU027951.D

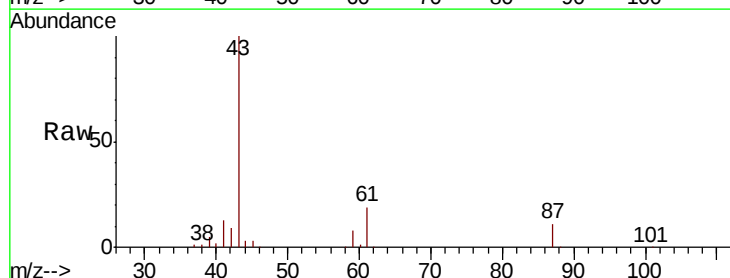
Acq: 05 Nov 2018 12:49

Tgt Ion: 62 Resp: 821

Ion Ratio Lower Upper

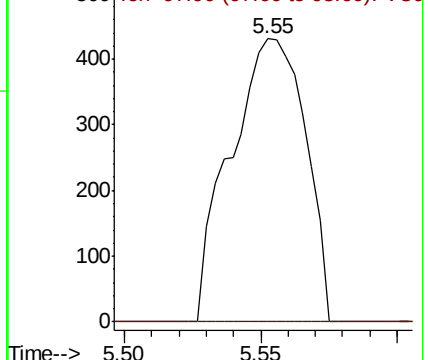
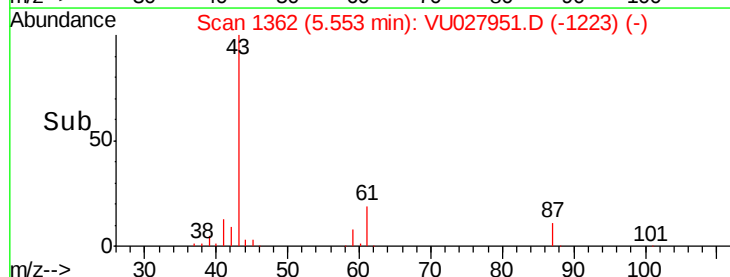
62 100

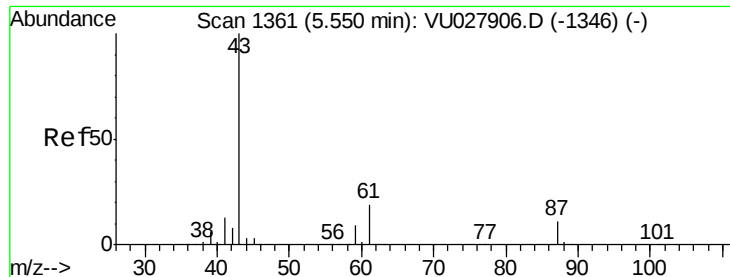
98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 26.837 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#06

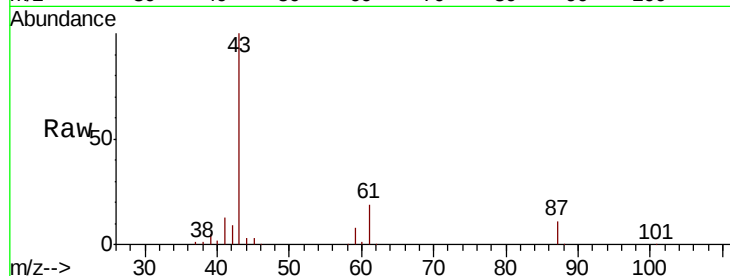
Tot Ion: 43 Resp: 229643

Ion Ratio Lower Upper

43 100

61 18.3 15.0 22.4

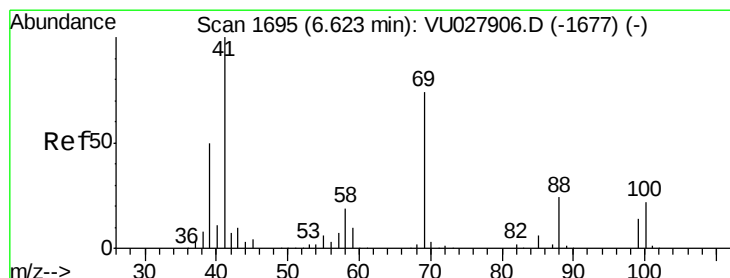
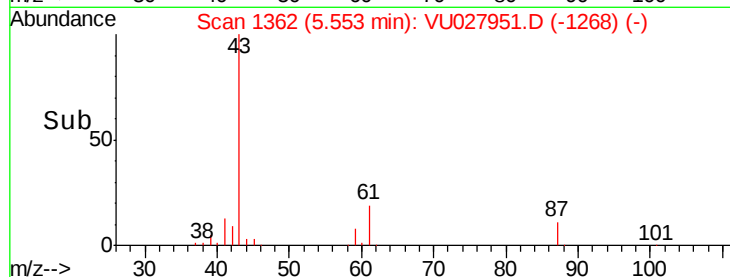
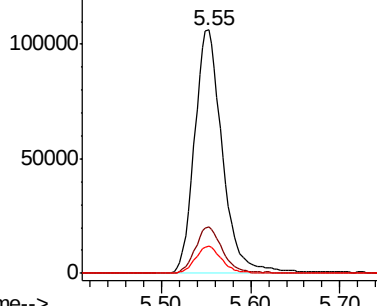
87 10.8 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#48

Methyl methacrylate

Concen: 4.420 ug/l

RT: 6.71 min Scan# 1721

Delta R.T. 0.08 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

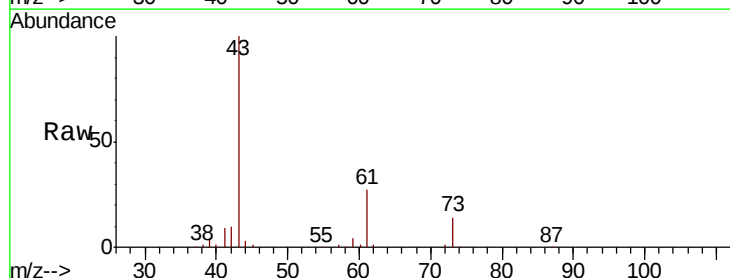
Tgt Ion: 41 Resp: 18534

Ion Ratio Lower Upper

41 100

69 0.0 59.8 89.8#

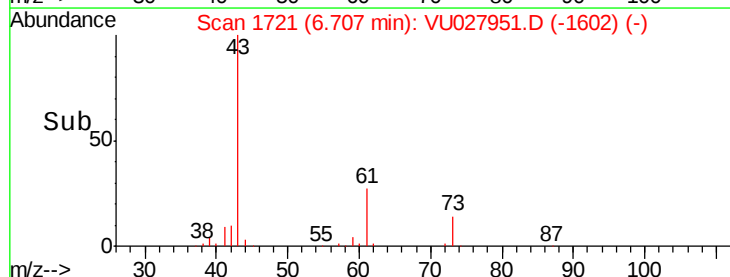
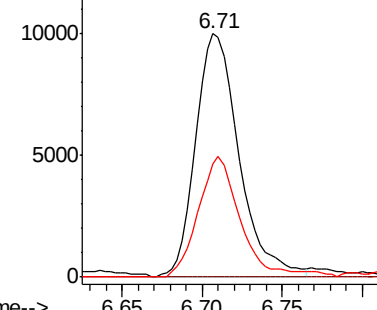
39 48.1 40.0 60.0

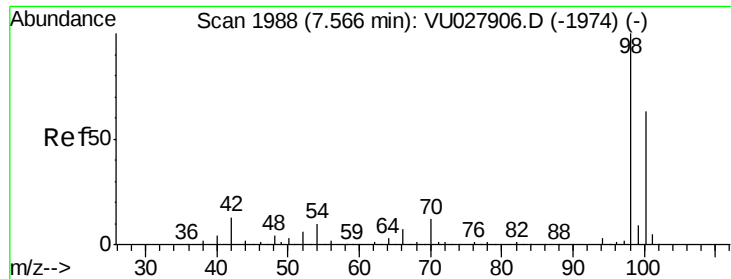


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-1677) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1677) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1677) (-)





#50

Toluene-d8

Concen: 52.216 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

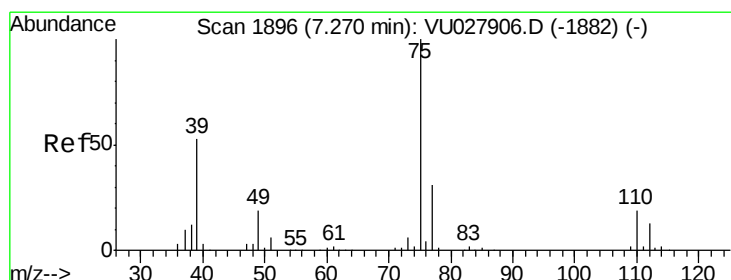
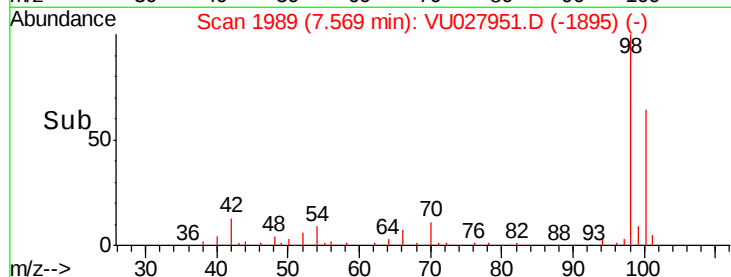
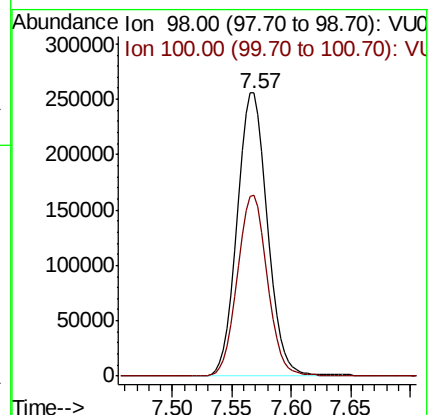
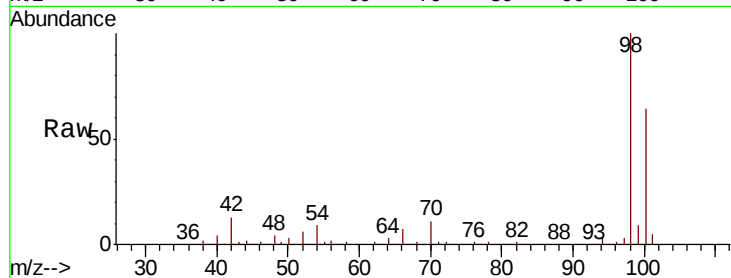
PB114473ZHE#06

Tot Ion: 98 Resp: 452651

Ion Ratio Lower Upper

98 100

100 63.3 50.1 75.1



#54

cis-1,3-Dichloropropene

Concen: 0.307 ug/l

RT: 7.42 min Scan# 1944

Delta R.T. 0.15 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

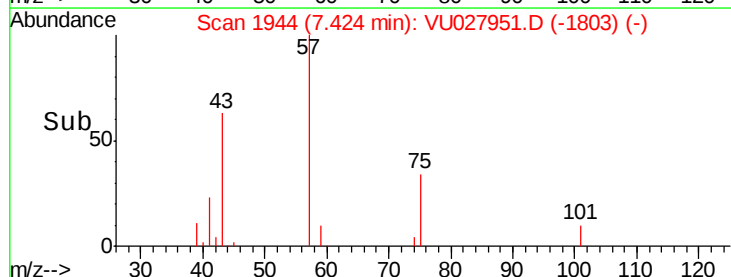
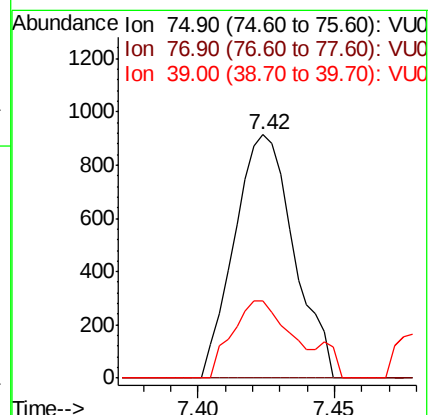
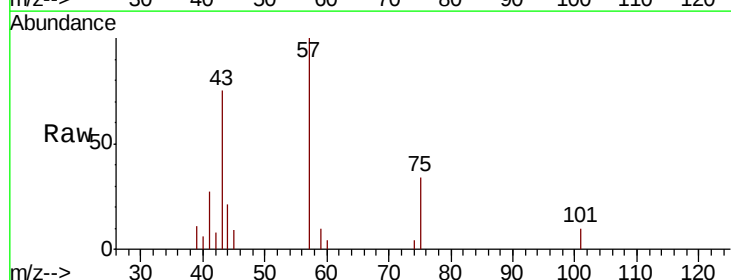
Tgt Ion: 75 Resp: 1379

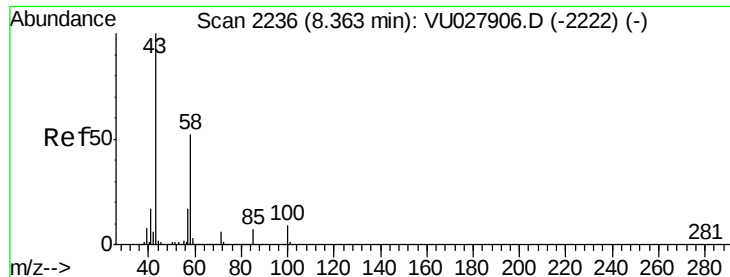
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 31.7 42.6 64.0#

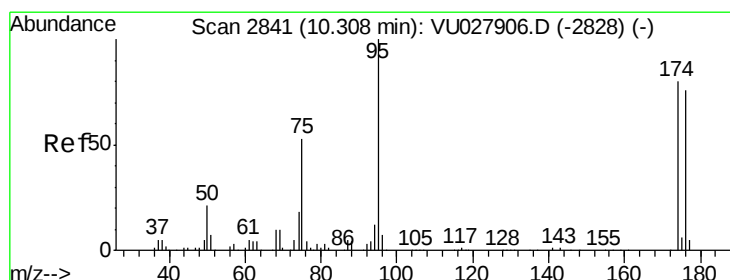
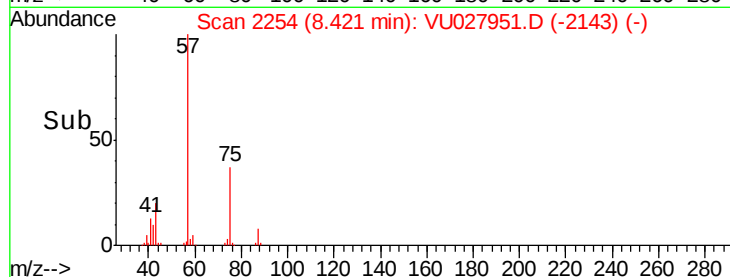
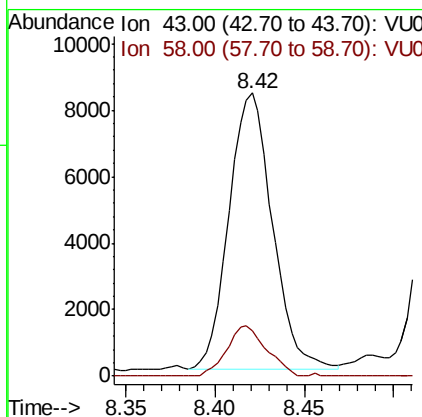
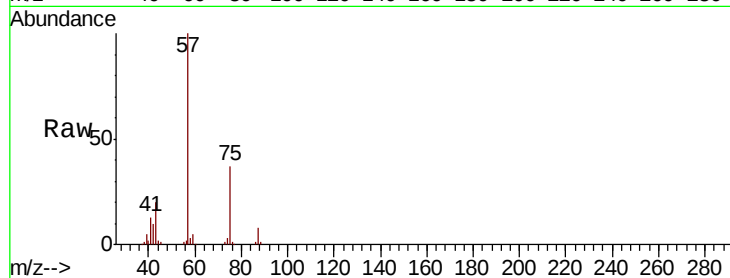




#59
 2-Hexanone
 Concen: 3.173 ug/l
 RT: 8.42 min Scan# 2254
 Delta R.T. 0.06 min
 Lab File: VU027951.D
 Acq: 05 Nov 2018 12:49

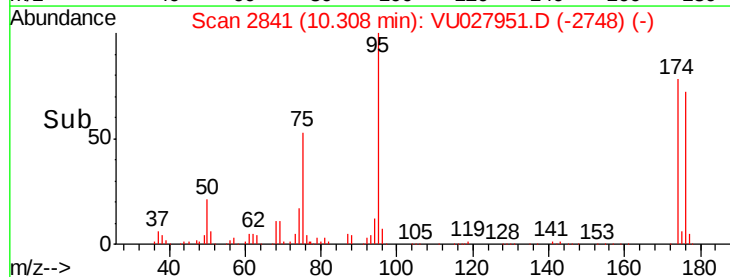
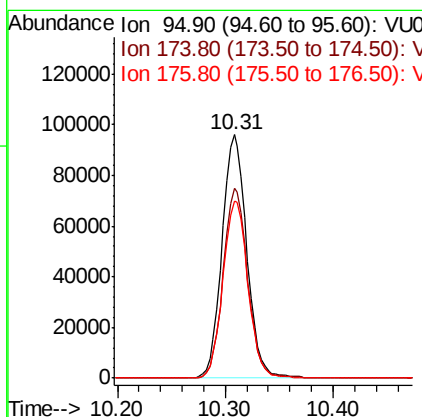
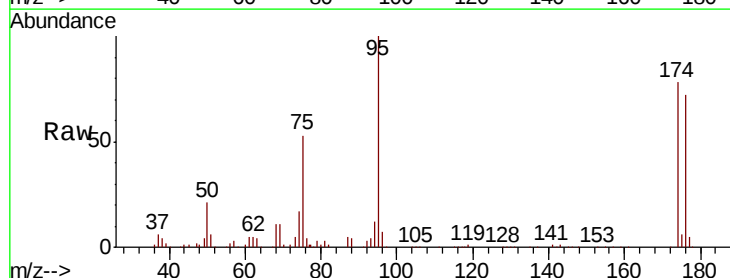
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#06

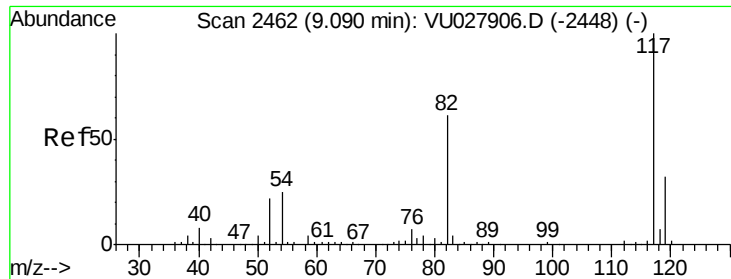
Tot Ion: 43 Resp: 14024
 Ion Ratio Lower Upper
 43 100
 58 16.6 25.8 77.3#



#62
 4-Bromofluorobenzene
 Concen: 47.904 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027951.D
 Acq: 05 Nov 2018 12:49

Tgt Ion: 95 Resp: 153169
 Ion Ratio Lower Upper
 95 100
 174 77.6 0.0 156.4
 176 73.6 0.0 150.8

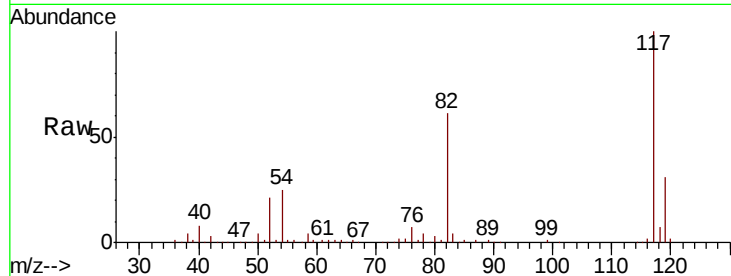




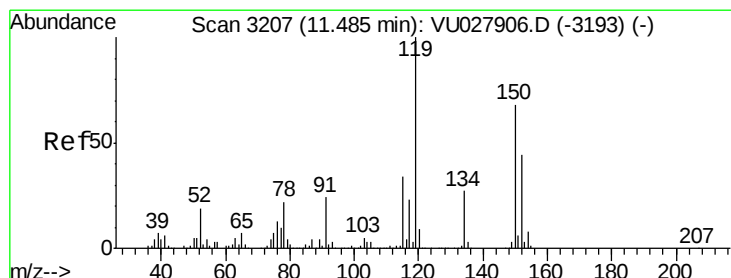
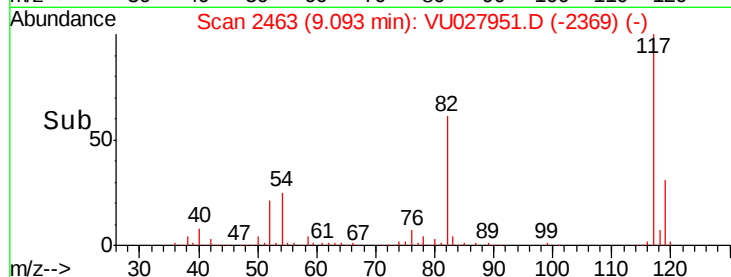
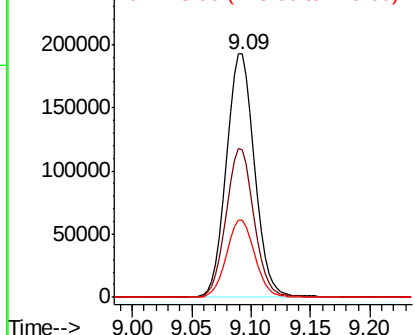
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027951.D
Acq: 05 Nov 2018 12:49

Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#06

Tot Ion:117 Resp: 317399
Ion Ratio Lower Upper
117 100
82 60.7 48.6 73.0
119 31.5 25.8 38.8

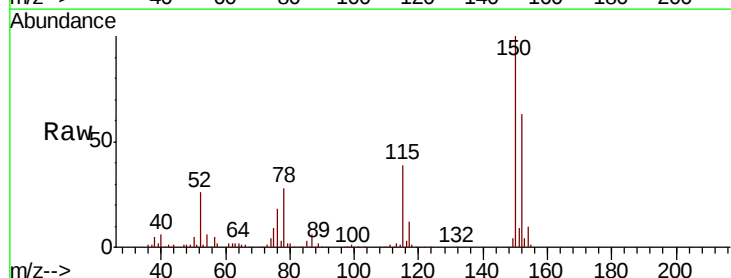


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU027906.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): V

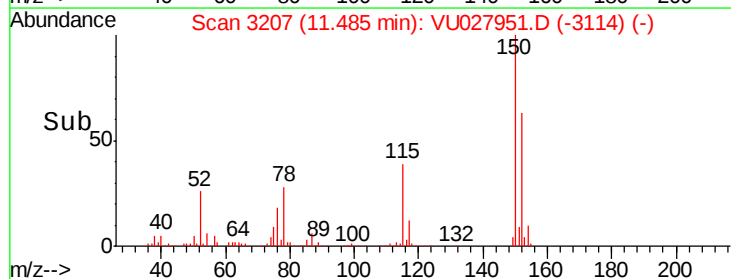
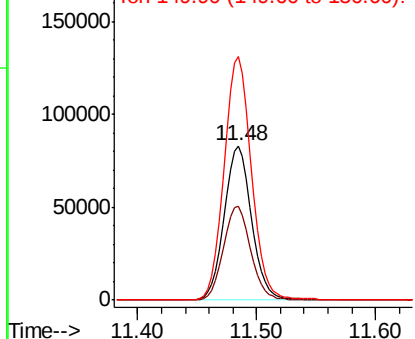


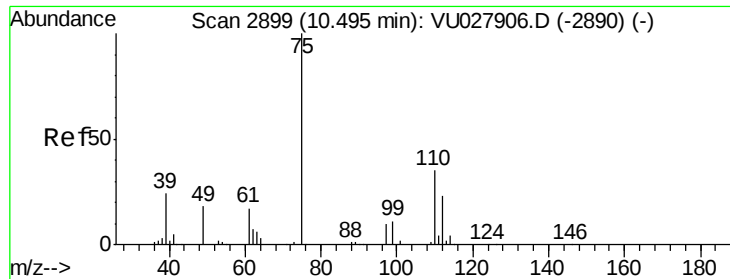
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027951.D
Acq: 05 Nov 2018 12:49

Tgt Ion:152 Resp: 132688
Ion Ratio Lower Upper
152 100
115 60.6 43.0 129.0
150 157.7 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): VU027906.D (-3193) (-)
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.921 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

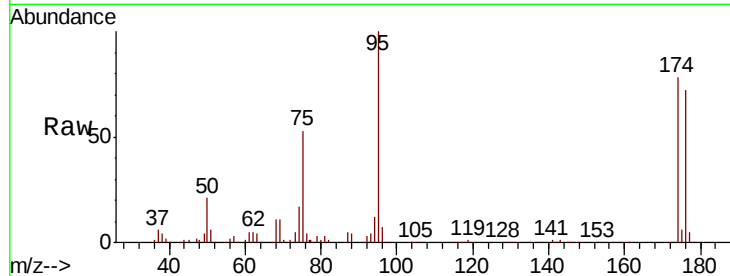
PB114473ZHE#06

Tot Ion: 75 Resp: 79560

Ion Ratio Lower Upper

75 100

77 1.2 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) (-)

10.31

50000

40000

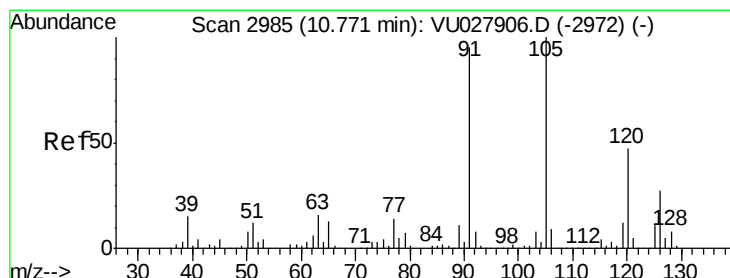
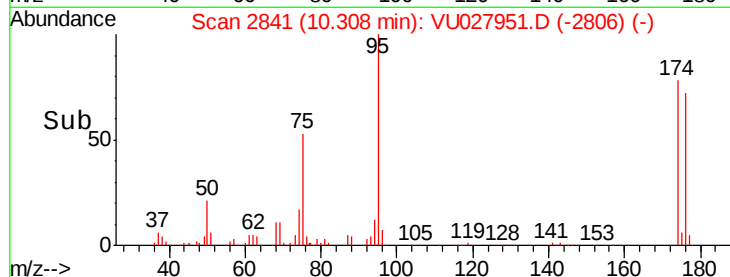
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.209 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027951.D

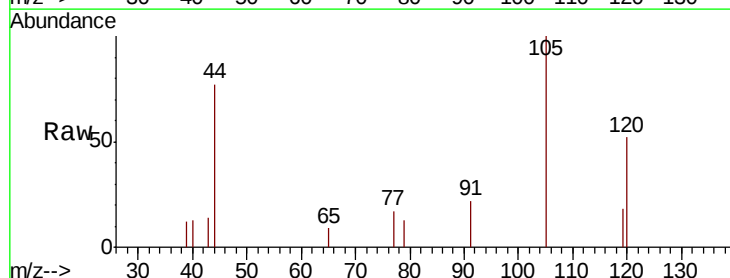
Acq: 05 Nov 2018 12:49

Tgt Ion: 105 Resp: 1781

Ion Ratio Lower Upper

105 100

120 49.2 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) (-)

10.77

1200

1000

800

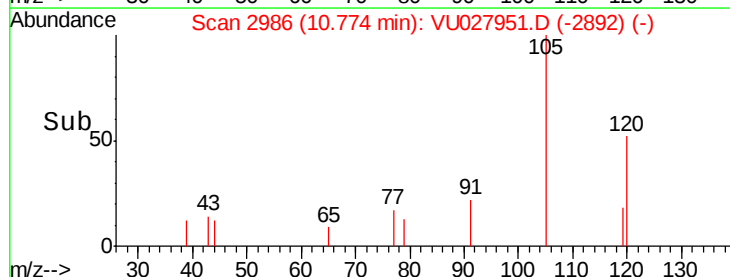
600

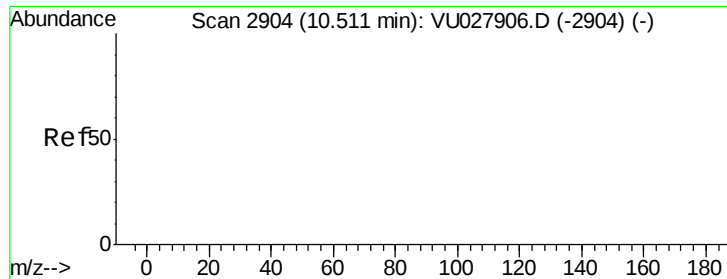
400

200

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.707 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027951.D

Acq: 05 Nov 2018 12:49

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#06

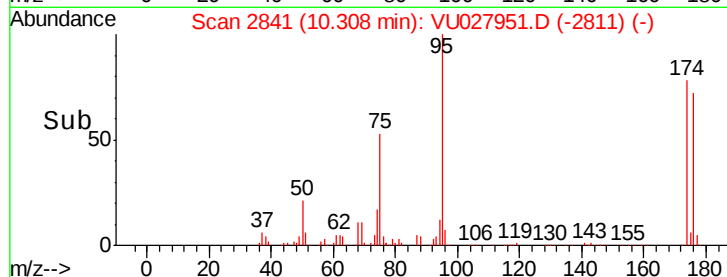
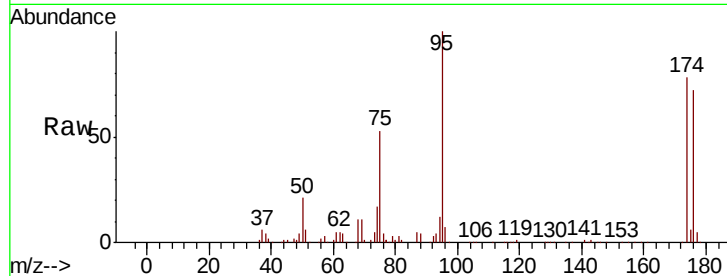
Tot Ion: 75 Resp: 79560

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

