

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110518\
 Data File : VU027953.D
 Acq On : 05 Nov 2018 13:36
 Operator : MD/SY
 Sample : PB114473ZHE#08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#08

Quant Time: Nov 06 03:23:35 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	194500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	354798	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	320192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	137781	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	153362	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
35) Dibromofluoromethane	4.89	113	117070	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	7.57	98	451599	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	10.31	95	155258	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	

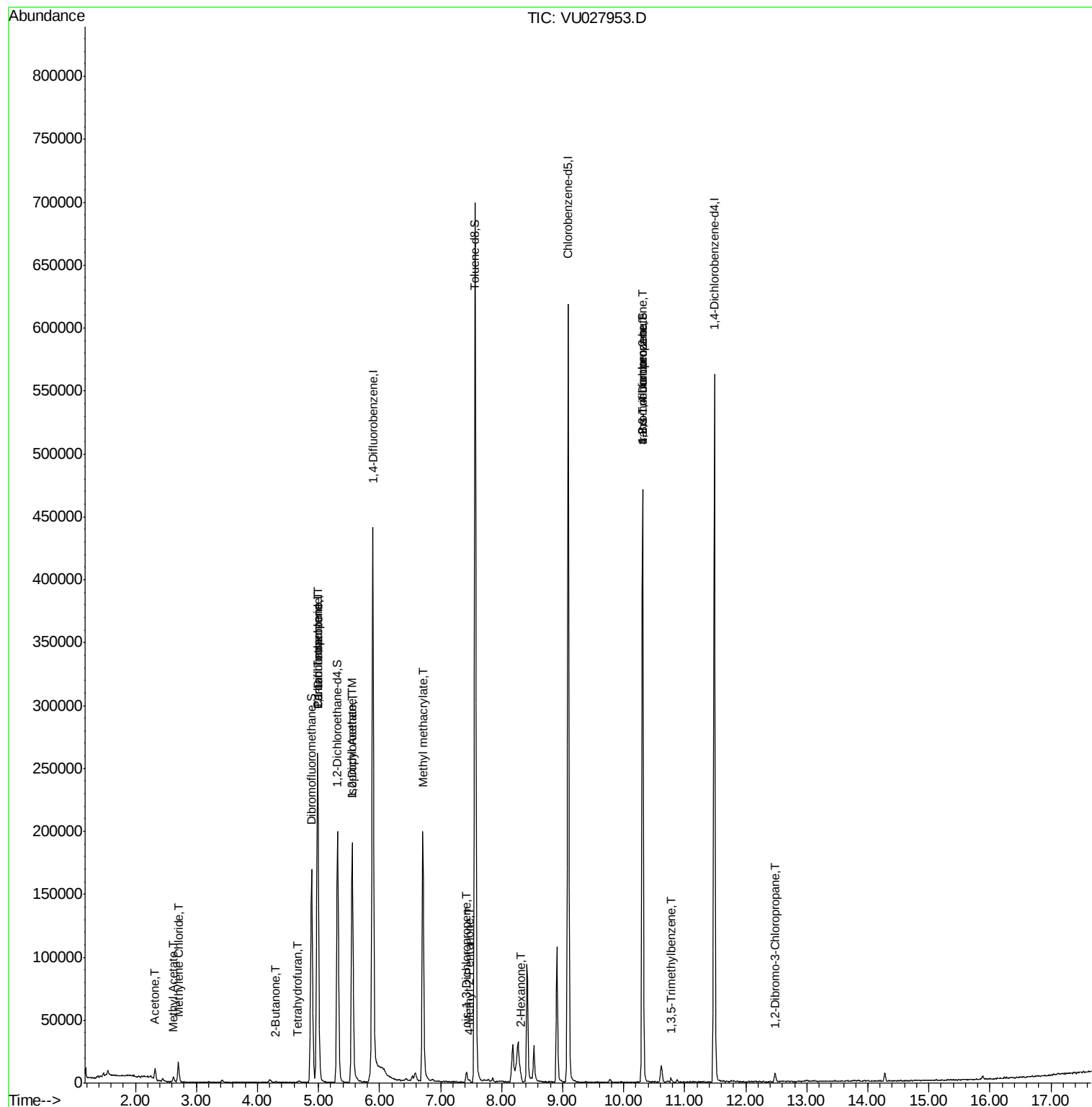
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.19	56	70	Below Cal	#	50
16) Acetone	2.32	43	10042	5.597	ug/l	95
18) Methyl Acetate	2.62	43	5414	1.097	ug/l #	87
20) Methylene Chloride	2.70	84	6917	2.641	ug/l	96
25) 2-Butanone	4.30	43	1416	0.496	ug/l #	54
29) Tetrahydrofuran	4.66	42	415	0.218	ug/l #	66
31) Cyclohexane	4.98	56	4867	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17564	4.727	ug/l #	50
38) Carbon Tetrachloride	4.98	117	19275	5.853	ug/l #	17
42) 1,2-Dichloroethane	5.55	62	869	0.215	ug/l #	76
43) Isopropyl Acetate	5.55	43	231016	27.082	ug/l	100
48) Methyl methacrylate	6.71	41	18747	4.485	ug/l #	46
51) 4-Methyl-2-Pentanone	7.47	43	1458	0.256	ug/l #	77
54) cis-1,3-Dichloropropene	7.43	75	1294	0.289	ug/l #	61
59) 2-Hexanone	8.32	43	2171	0.493	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	81240	21.556	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.78	105	2108	0.238	ug/l	86
81) trans-1,4-Dichloro-2-buten	10.31	75	81240	53.802	ug/l #	100
92) 1,2-Dibromo-3-Chloropropan	12.49	75	214	0.236	ug/l #	4
95) Naphthalene	13.78	128	19	Below Cal	#	69

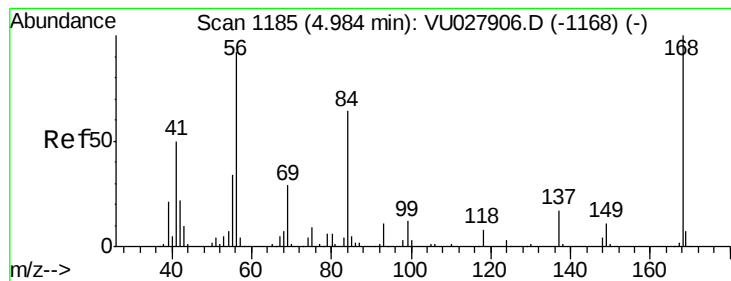
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
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: VU027953.D

Acq: 05 Nov 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

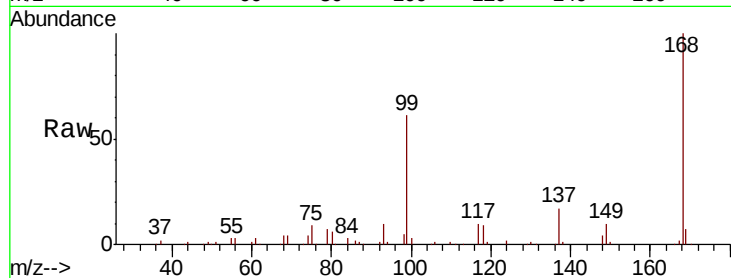
PB114473ZHE#08

Tot Ion:168 Resp: 194500

Ion Ratio Lower Upper

168 100

99 61.1 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

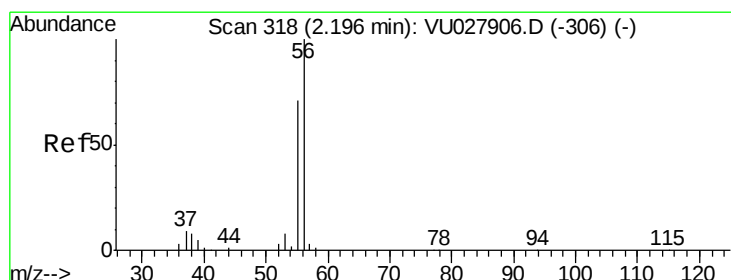
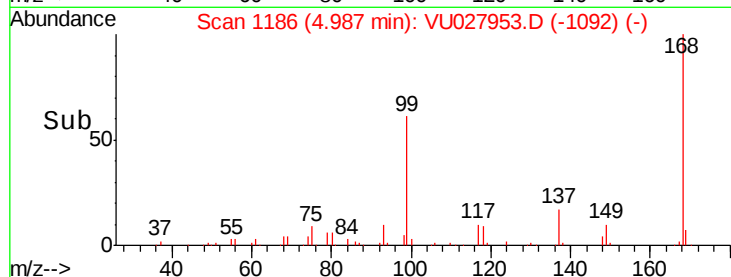
40000

20000

0

4.90 5.00 5.10

Time-->



#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027953.D

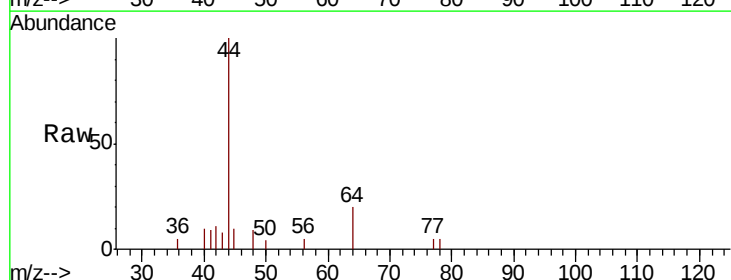
Acq: 05 Nov 2018 13:36

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 111.4 56.2 84.4#



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

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)

2.19

150

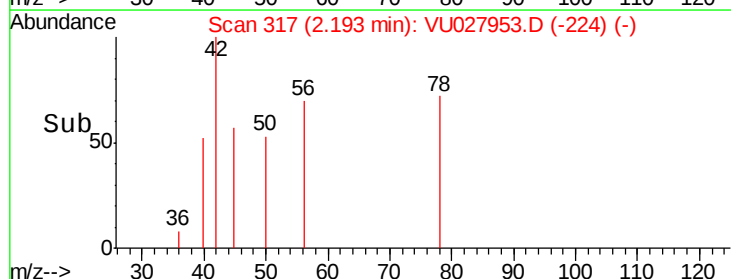
100

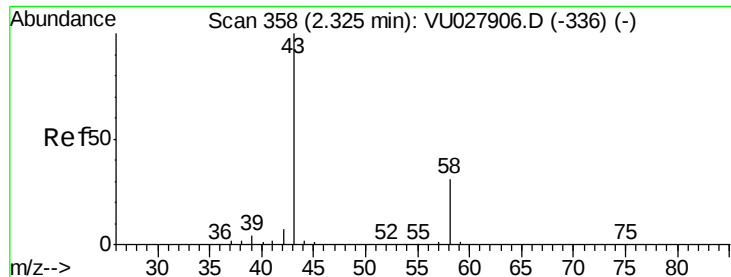
50

0

2.18 2.19 2.20

Time-->





#16

Acetone

Concen: 5.597 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027953.D

Acq: 05 Nov 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

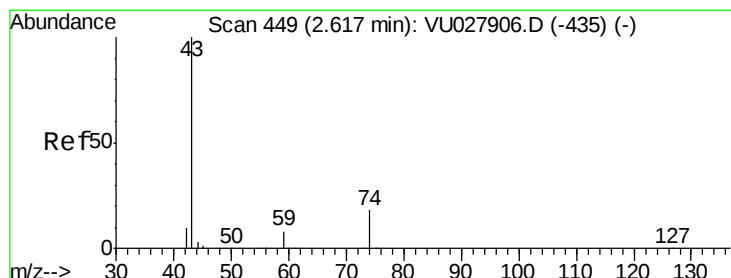
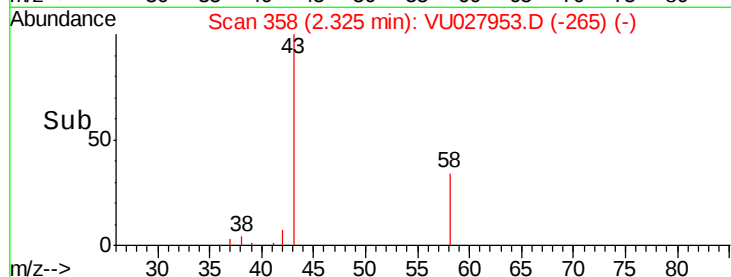
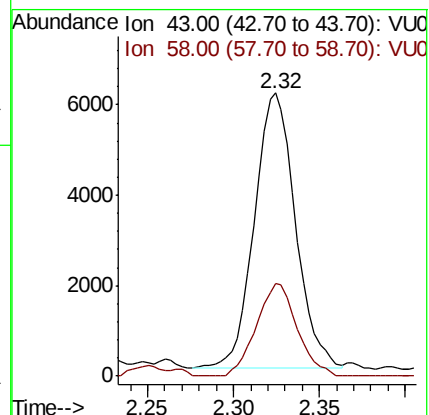
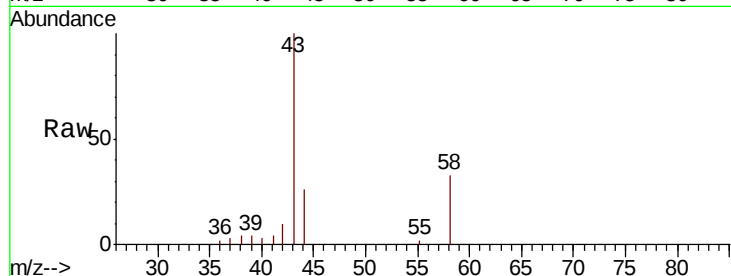
PB114473ZHE#08

Tot Ion: 43 Resp: 10042

Ion Ratio Lower Upper

43 100

58 33.7 24.6 37.0



#18

Methyl Acetate

Concen: 1.097 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027953.D

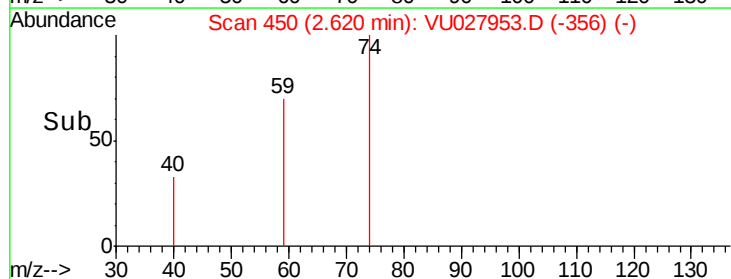
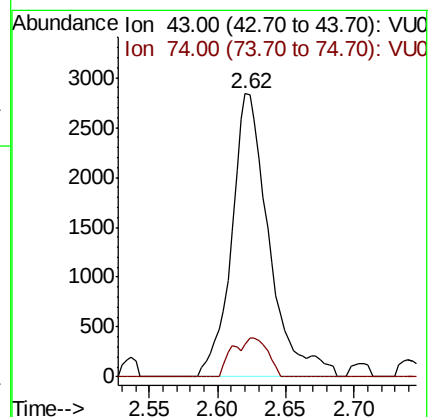
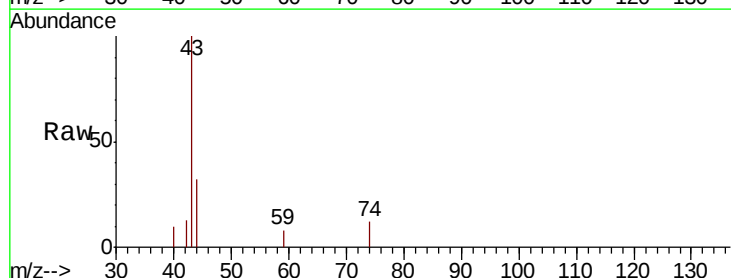
Acq: 05 Nov 2018 13:36

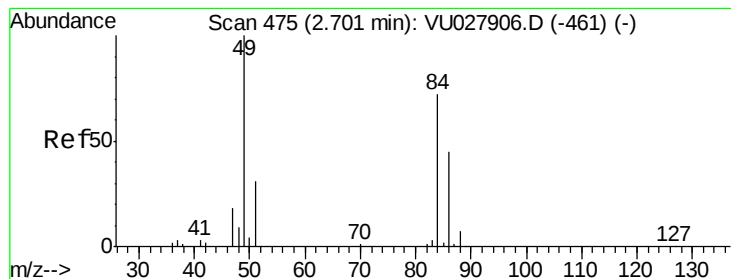
Tgt Ion: 43 Resp: 5414

Ion Ratio Lower Upper

43 100

74 12.7 14.9 22.3#





#20

Methvlene Chloride

Concen: 2.641 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027953.D

Acq: 05 Nov 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#08

Tot Ion: 84 Resp: 6917

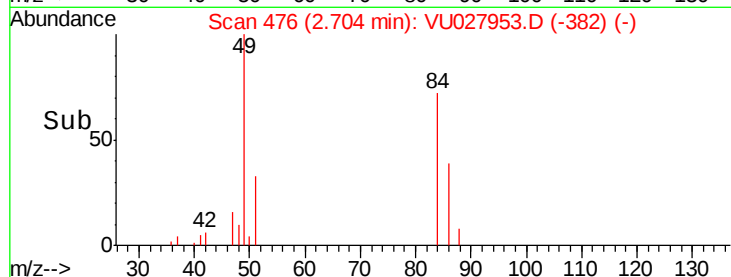
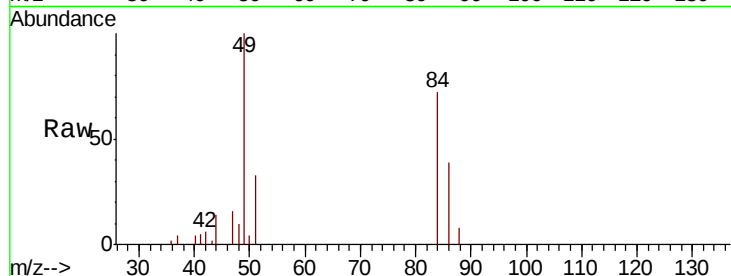
Ion Ratio Lower Upper

84 100

49 138.1 111.6 167.4

51 45.7 34.8 52.2

86 54.2 50.1 75.1

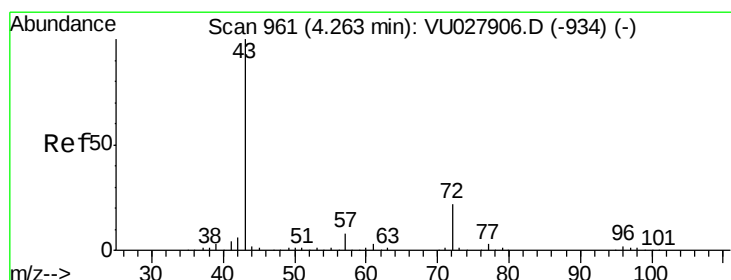
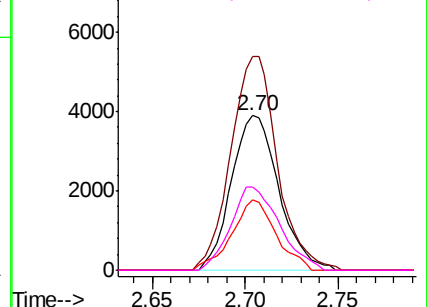


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#25

2-Butanone

Concen: 0.496 ug/l

RT: 4.30 min Scan# 973

Delta R.T. 0.04 min

Lab File: VU027953.D

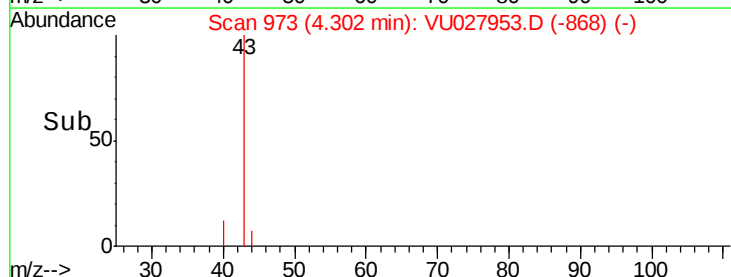
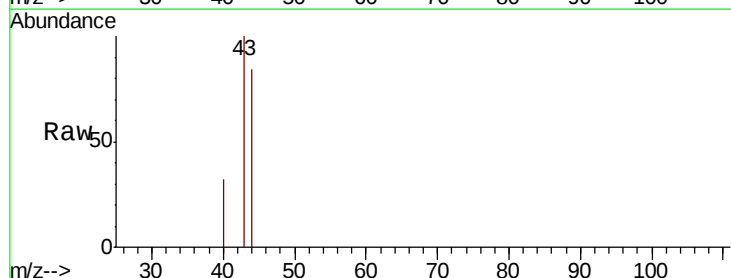
Acq: 05 Nov 2018 13:36

Tgt Ion: 43 Resp: 1416

Ion Ratio Lower Upper

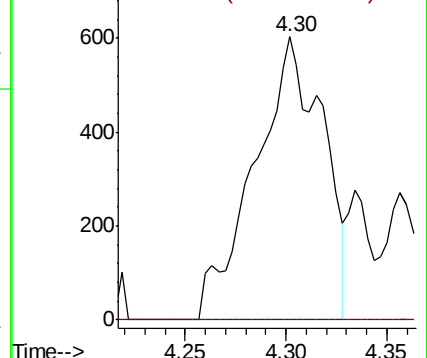
43 100

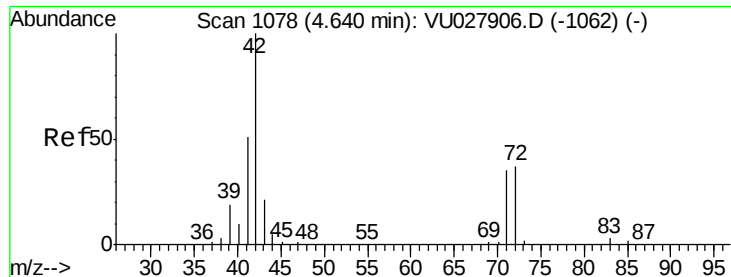
72 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VU027953.D

Acq: 05 Nov 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#08

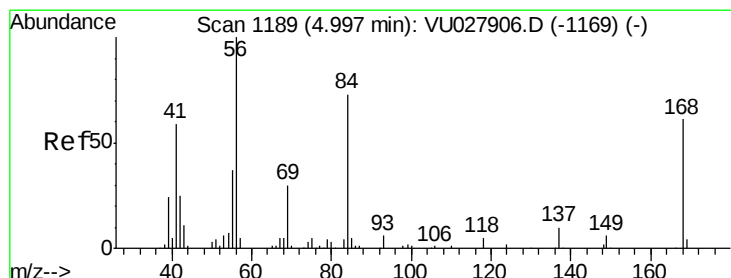
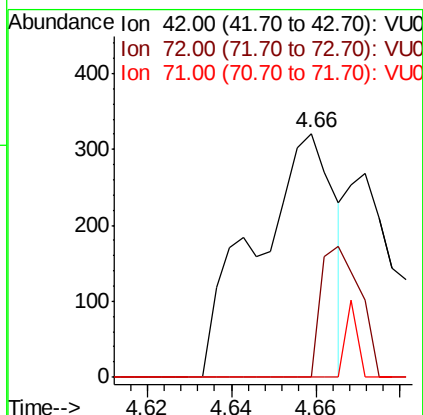
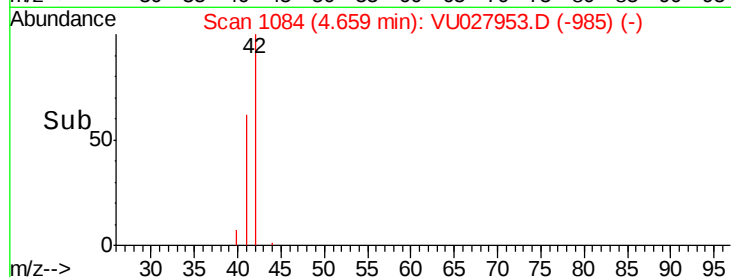
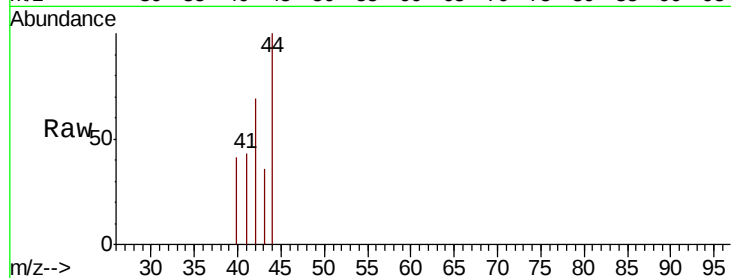
Tot Ion: 42 Resp: 415

Ion Ratio Lower Upper

42 100

72 26.5 29.4 44.0#

71 4.6 27.9 41.9#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU027953.D

Acq: 05 Nov 2018 13:36

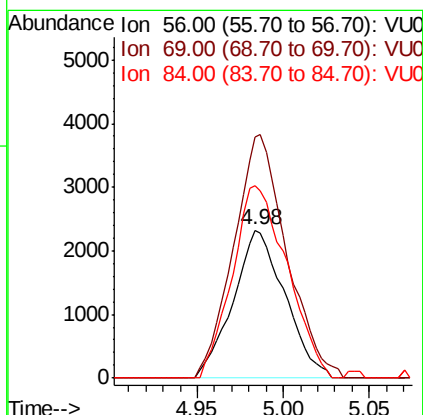
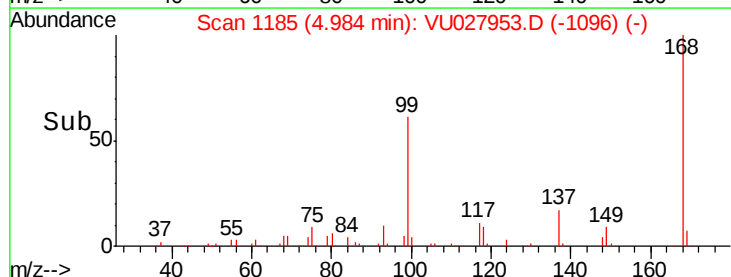
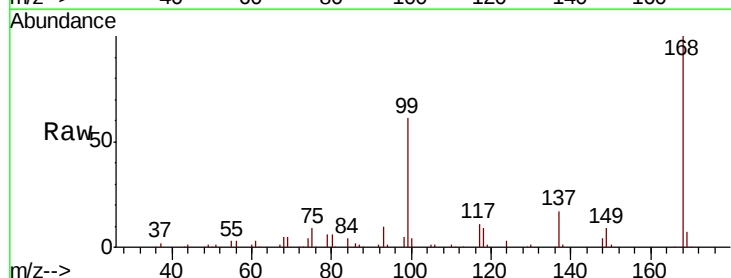
Tgt Ion: 56 Resp: 4867

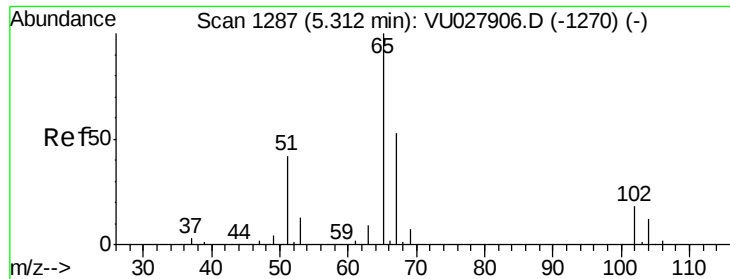
Ion Ratio Lower Upper

56 100

69 163.5 23.7 35.5#

84 130.5 58.2 87.4#

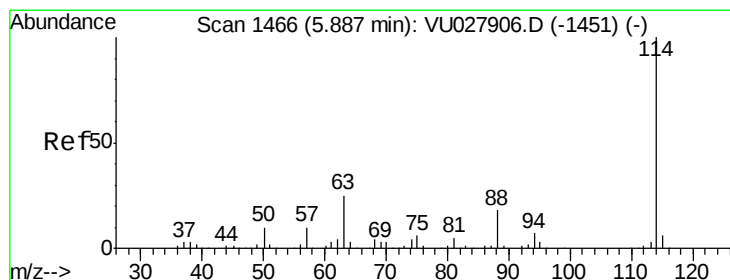
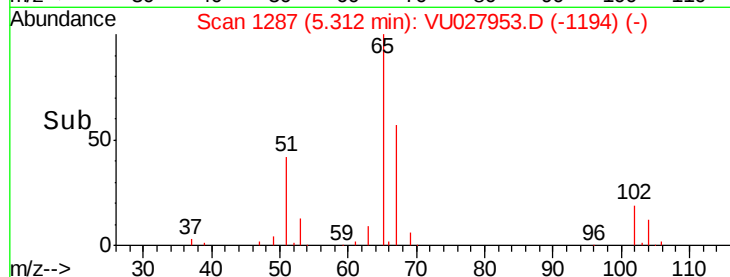
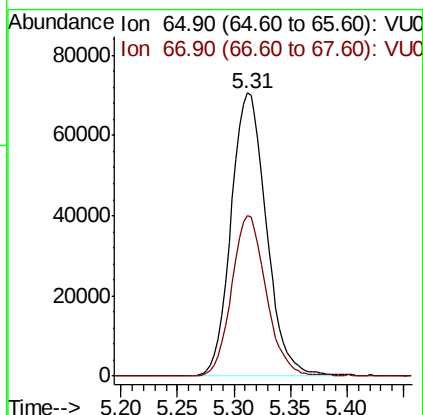
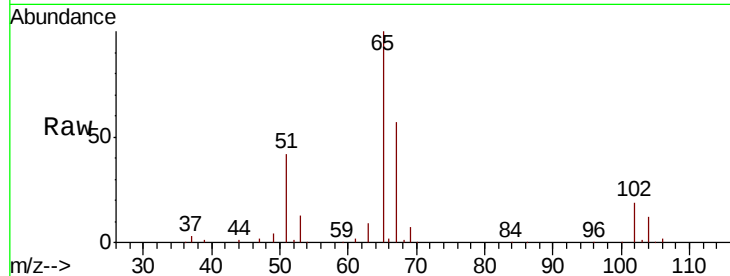




#33
 1,2-Dichloroethane-d4
 Concen: 53.035 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027953.D
 Acq: 05 Nov 2018 13:36

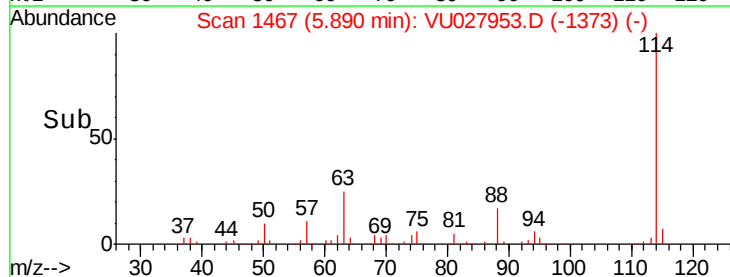
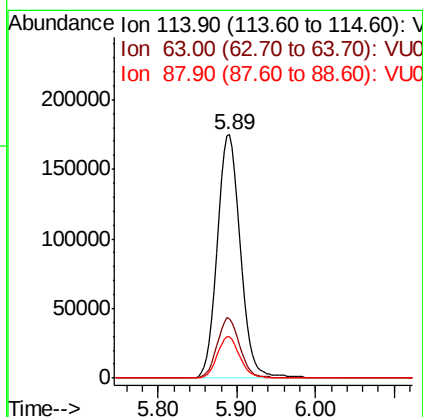
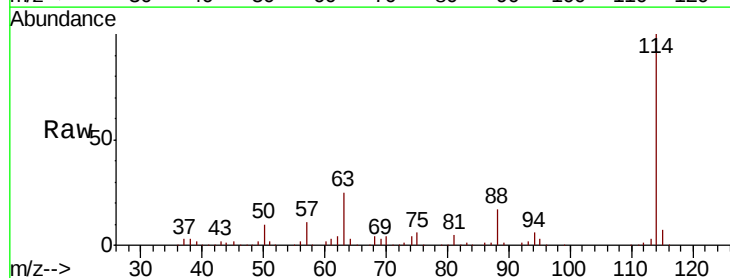
Instrument :
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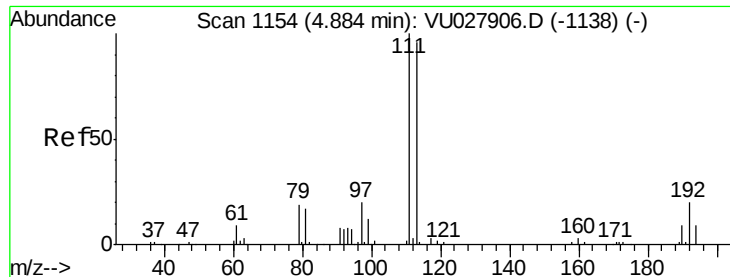
Tot Ion: 65 Resp: 153362
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027953.D
 Acq: 05 Nov 2018 13:36

Tgt Ion: 114 Resp: 354798
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.8
 88 17.1 0.0 35.8

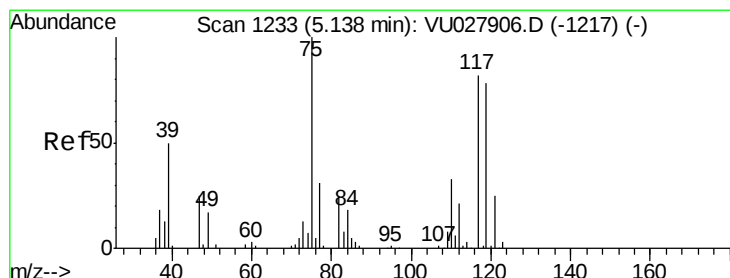
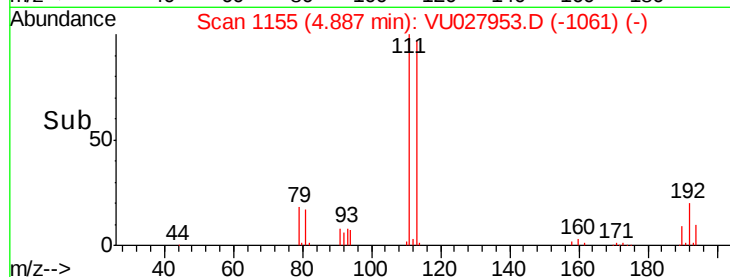
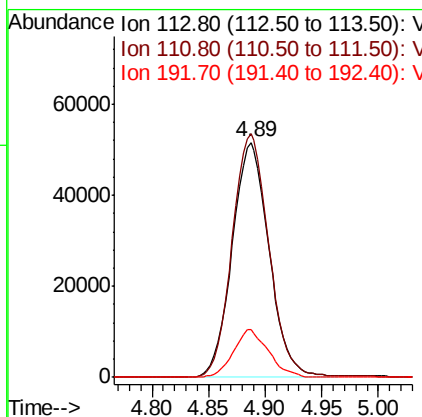
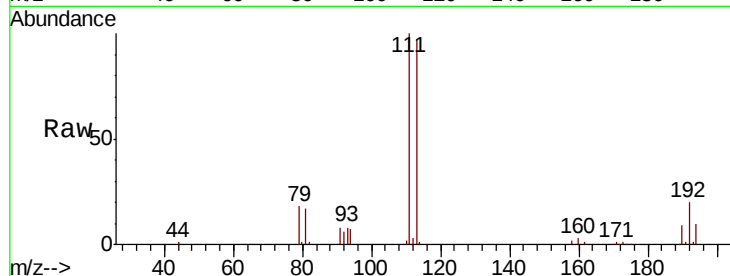




#35
 Dibromofluoromethane
 Concen: 52.332 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027953.D
 Acq: 05 Nov 2018 13:36

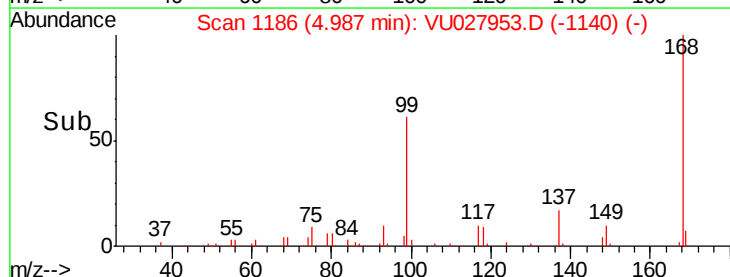
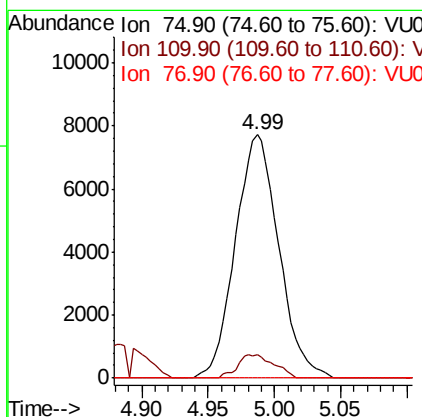
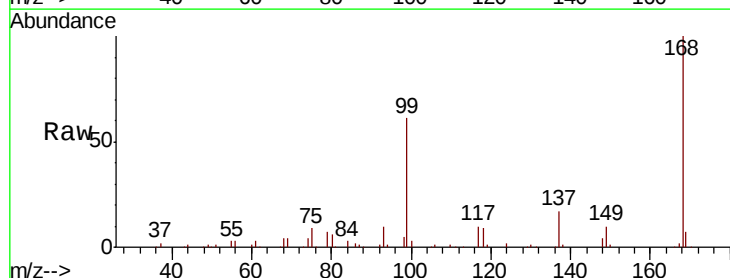
Instrument :
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 PB114473ZHE#08

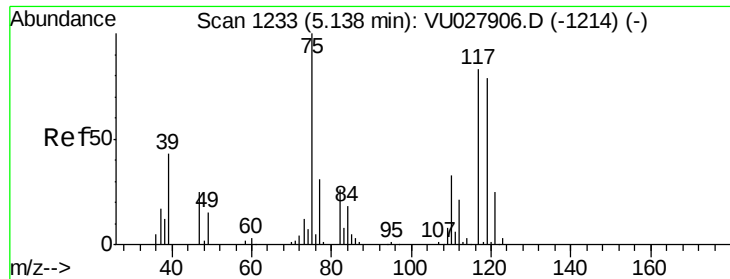
Tot Ion:113 Resp: 117070
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.0 124.6
 192 19.4 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.727 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027953.D
 Acq: 05 Nov 2018 13:36

Tgt Ion: 75 Resp: 17564
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.5 49.5#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.853 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027953.D

Acq: 05 Nov 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#08

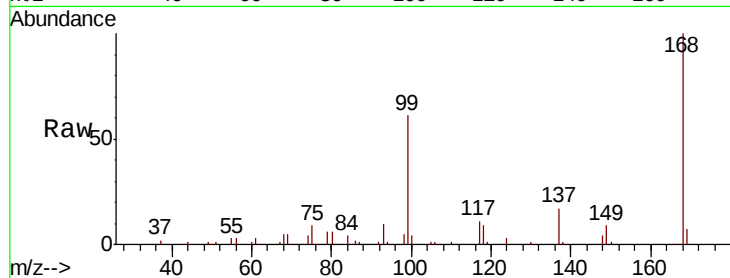
Tot Ion:117 Resp: 19275

Ion Ratio Lower Upper

117 100

119 5.4 76.0 114.0#

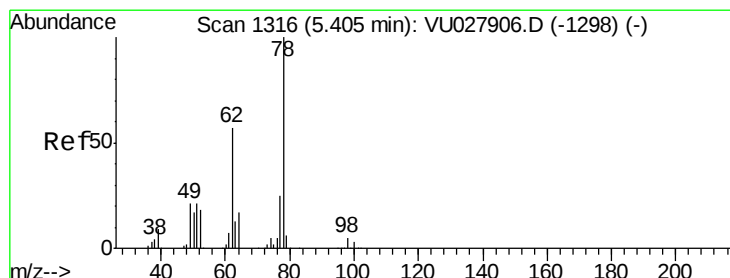
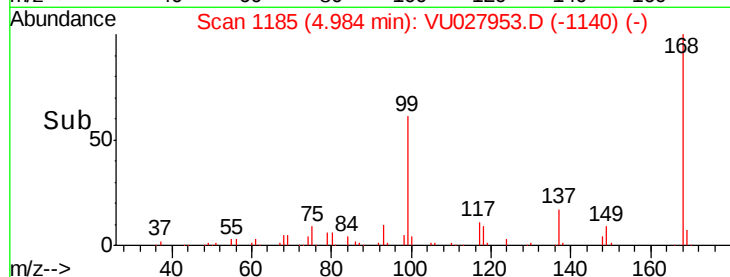
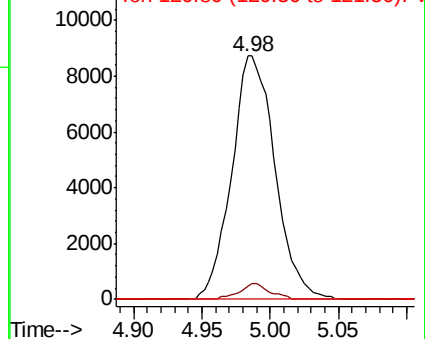
121 0.0 24.5 36.7#



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: 0.215 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.14 min

Lab File: VU027953.D

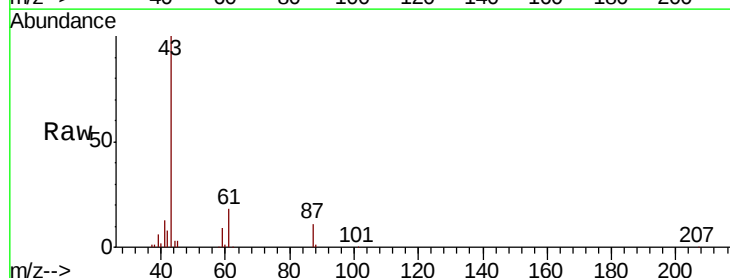
Acq: 05 Nov 2018 13:36

Tgt Ion: 62 Resp: 869

Ion Ratio Lower Upper

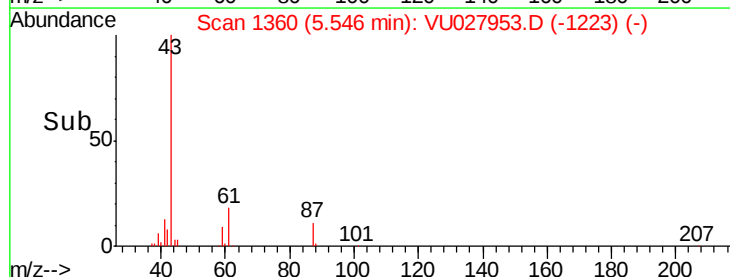
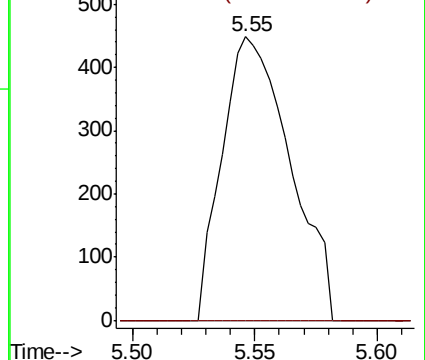
62 100

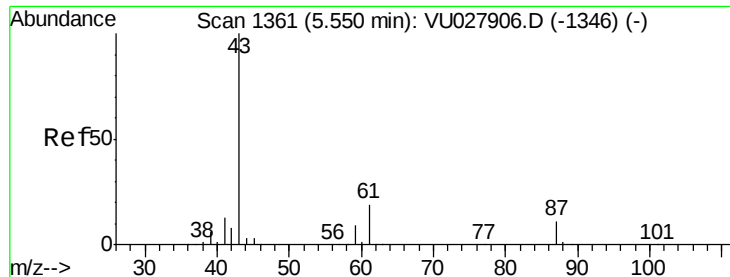
98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 27.082 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027953.D

Acq: 05 Nov 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#08

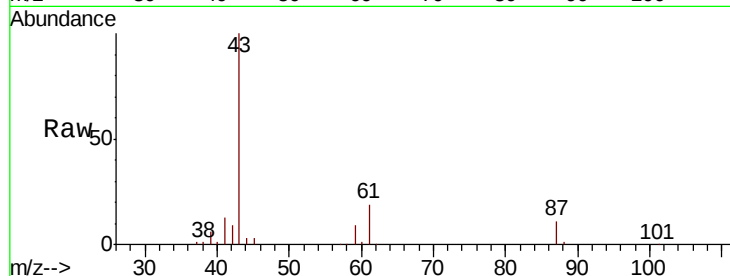
Tot Ion: 43 Resp: 231016

Ion Ratio Lower Upper

43 100

61 18.8 15.0 22.4

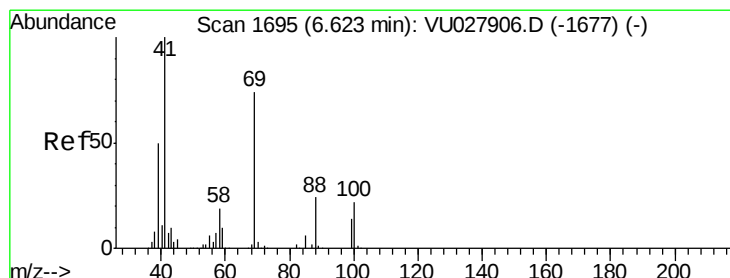
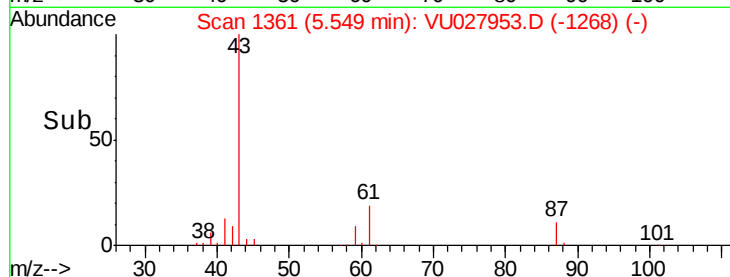
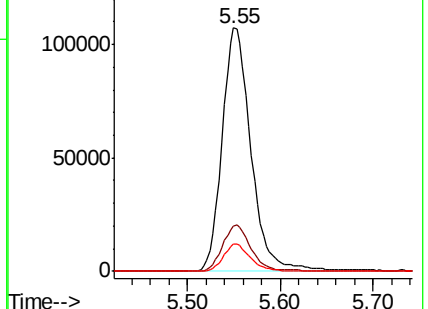
87 10.7 8.6 12.8



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: 4.485 ug/l

RT: 6.71 min Scan# 1722

Delta R.T. 0.09 min

Lab File: VU027953.D

Acq: 05 Nov 2018 13:36

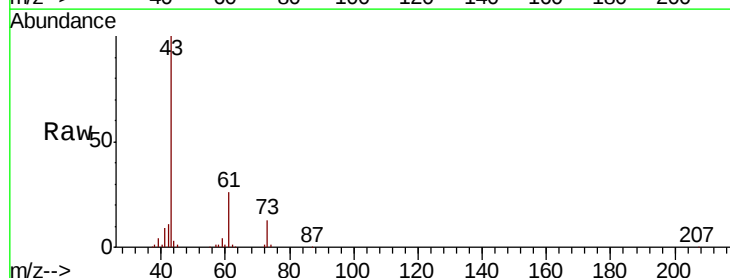
Tgt Ion: 41 Resp: 18747

Ion Ratio Lower Upper

41 100

69 0.0 59.8 89.8#

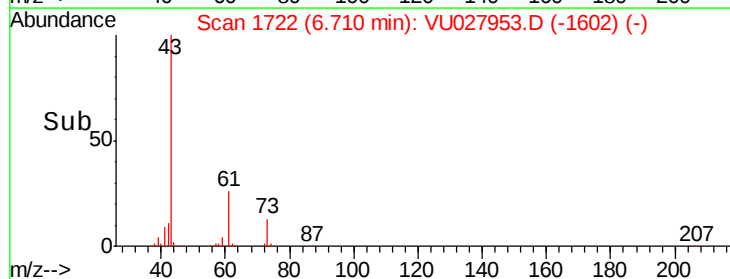
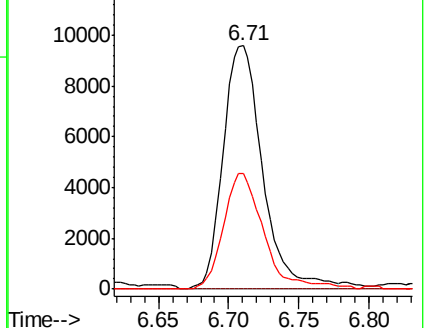
39 47.2 40.0 60.0

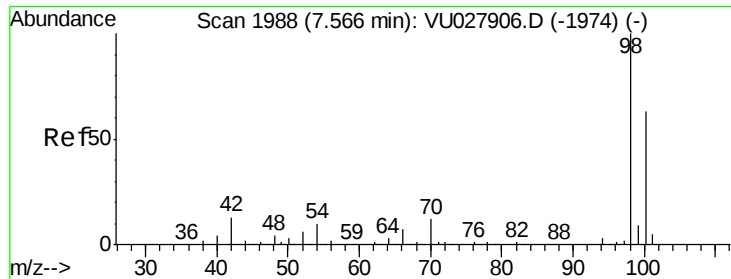


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-1677) (-)

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

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

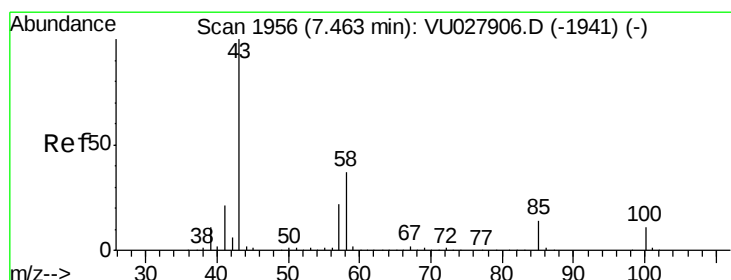
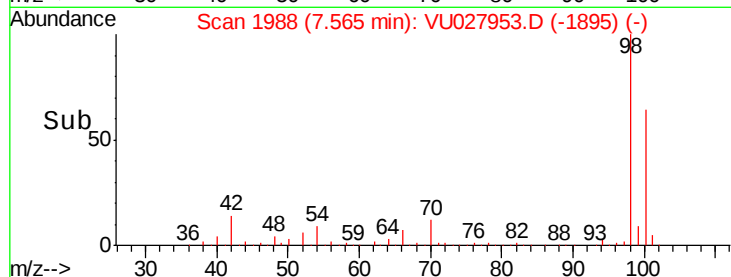
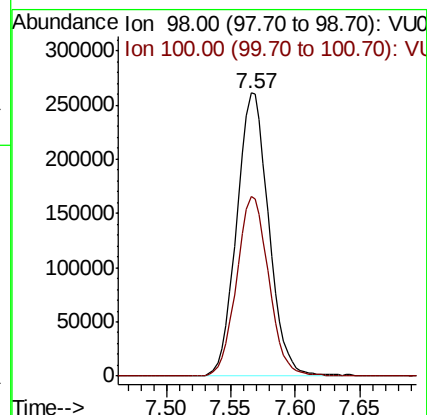
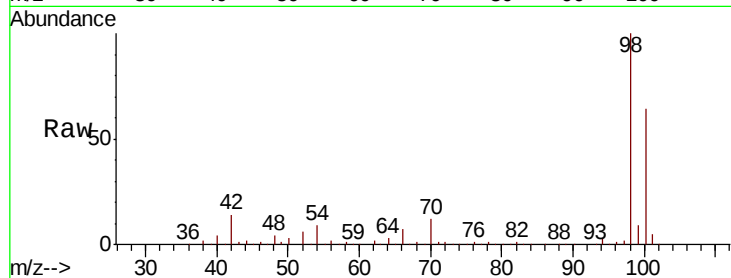




#50
Toluene-d8
Concen: 52.259 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027953.D
Acq: 05 Nov 2018 13:36

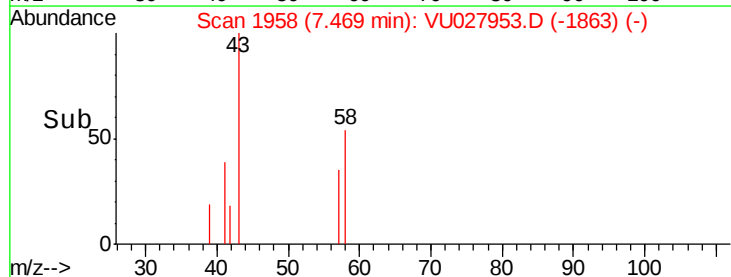
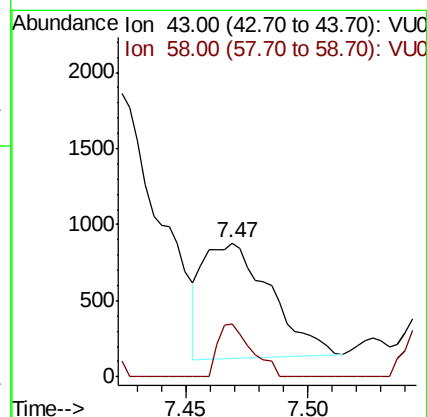
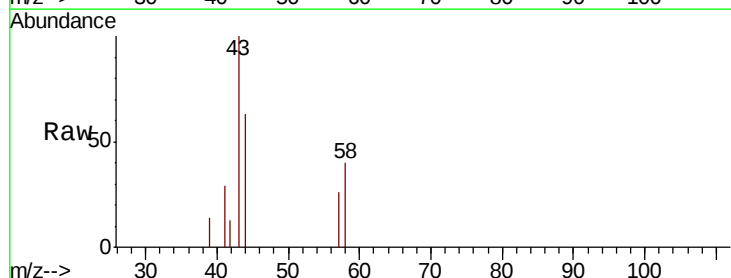
Instrument :
MSVOA_U
ClientSampleId :
PB114473ZHE#08

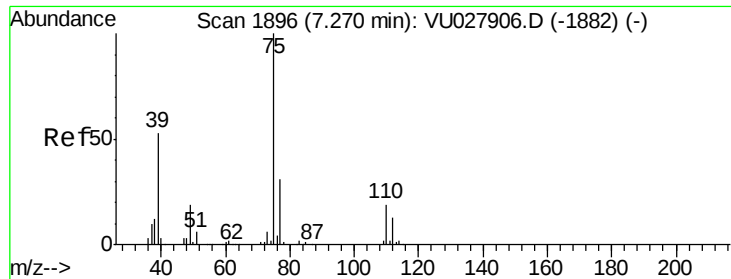
Tot Ion: 98 Resp: 451599
Ion Ratio Lower Upper
98 100
100 63.5 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 0.256 ug/l
RT: 7.47 min Scan# 1958
Delta R.T. 0.01 min
Lab File: VU027953.D
Acq: 05 Nov 2018 13:36

Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 23.0 29.5 44.3#

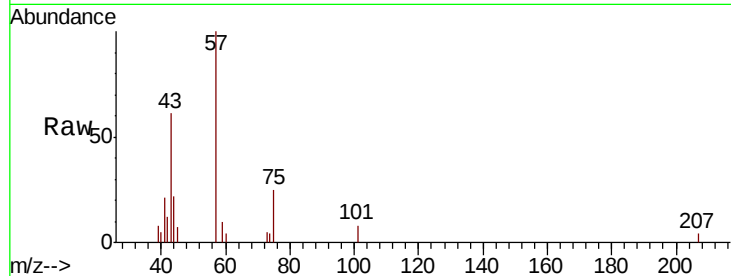




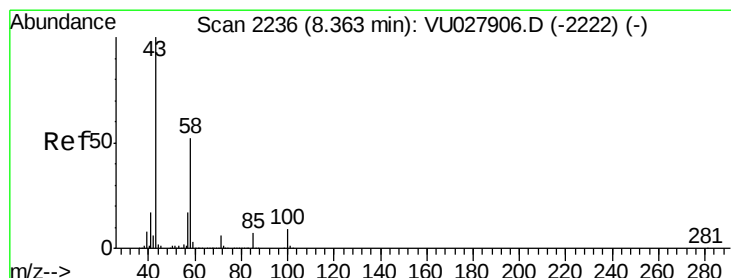
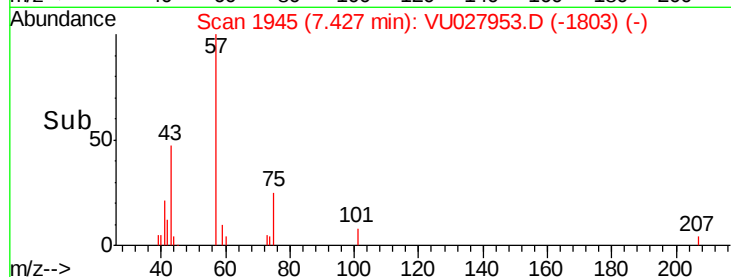
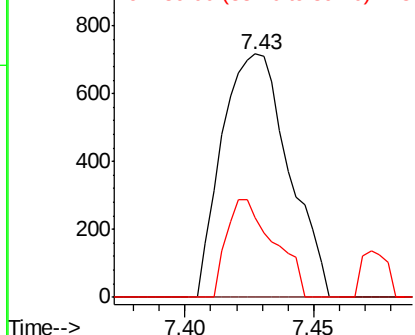
#54
 cis-1,3-Dichloropropene
 Concen: 0.289 ug/l
 RT: 7.43 min Scan# 1945
 Delta R.T. 0.16 min
 Lab File: VU027953.D
 Acq: 05 Nov 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#08

Tot Ion: 75 Resp: 1294
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 32.9 42.6 64.0#

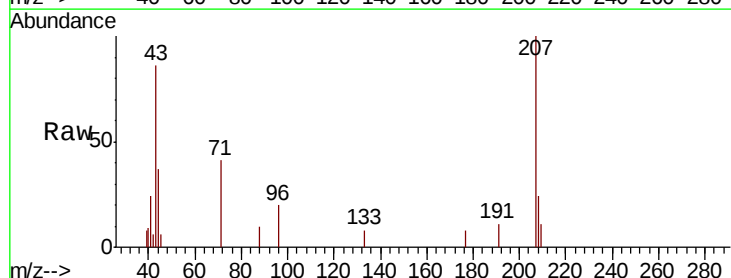


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0
 Ion 39.00 (38.70 to 39.70): VU0

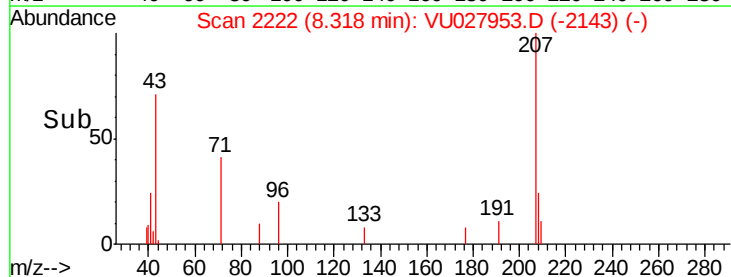
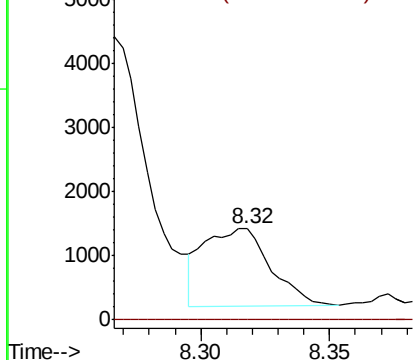


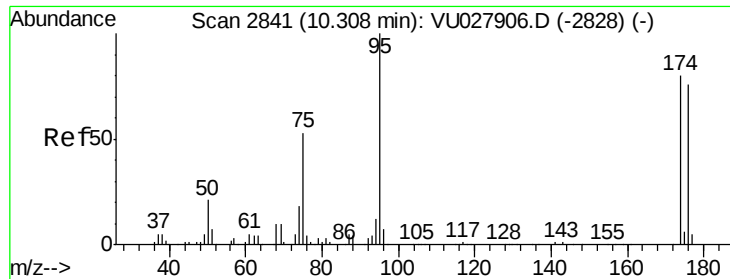
#59
 2-Hexanone
 Concen: 0.493 ug/l
 RT: 8.32 min Scan# 2222
 Delta R.T. -0.05 min
 Lab File: VU027953.D
 Acq: 05 Nov 2018 13:36

Tgt Ion: 43 Resp: 2171
 Ion Ratio Lower Upper
 43 100
 58 0.0 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: 48.710 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027953.D

Acq: 05 Nov 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#08

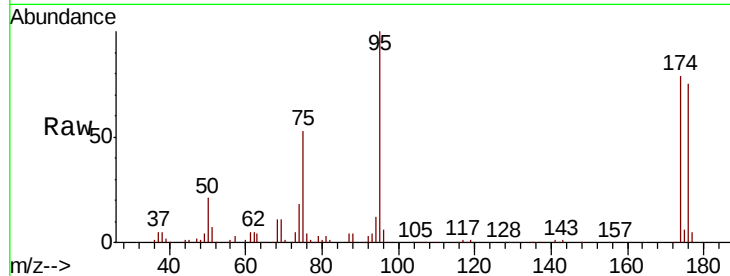
Tot Ion: 95 Resp: 155258

Ion Ratio Lower Upper

95 100

174 78.4 0.0 156.4

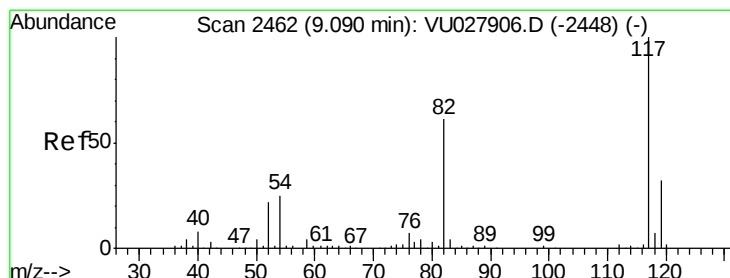
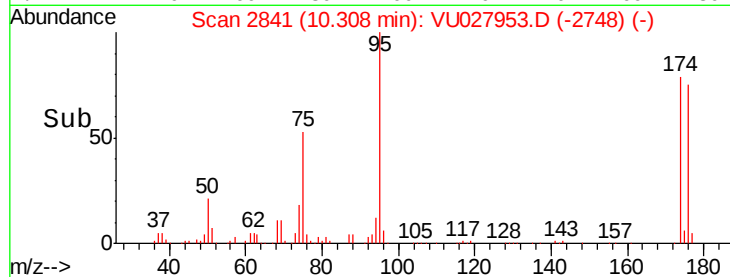
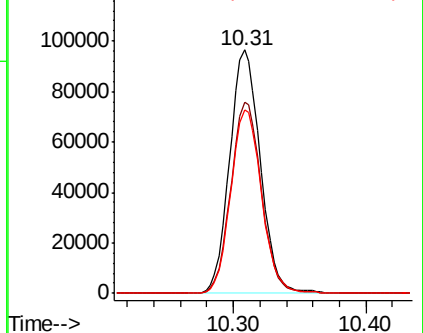
176 75.9 0.0 150.8



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: VU027953.D

Acq: 05 Nov 2018 13:36

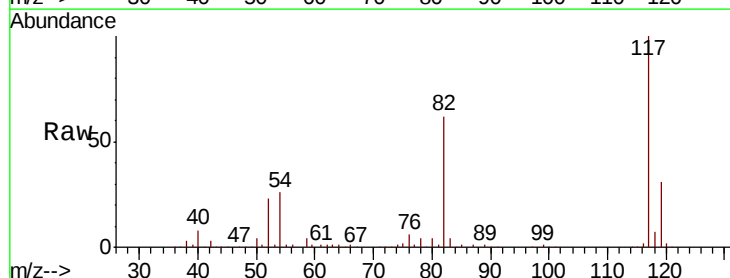
Tgt Ion: 117 Resp: 320192

Ion Ratio Lower Upper

117 100

82 62.2 48.6 73.0

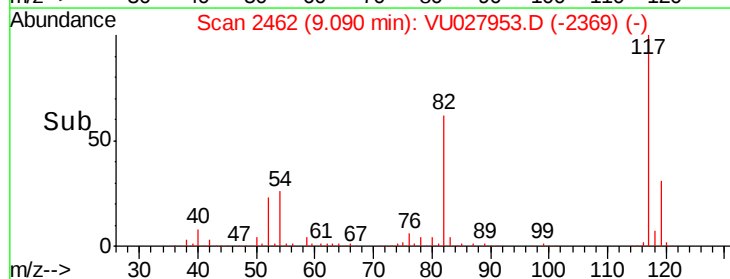
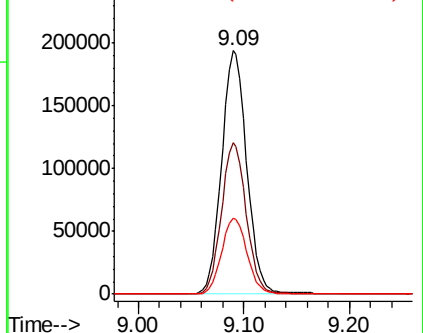
119 31.1 25.8 38.8

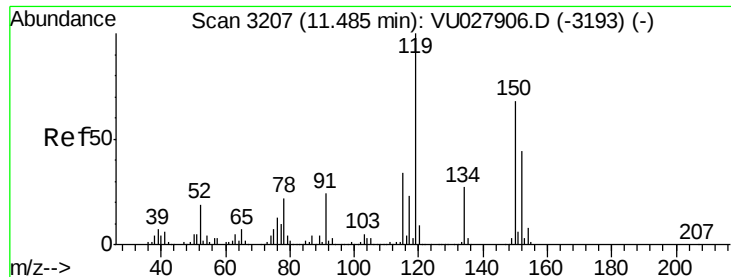


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

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: VU027953.D

Acq: 05 Nov 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#08

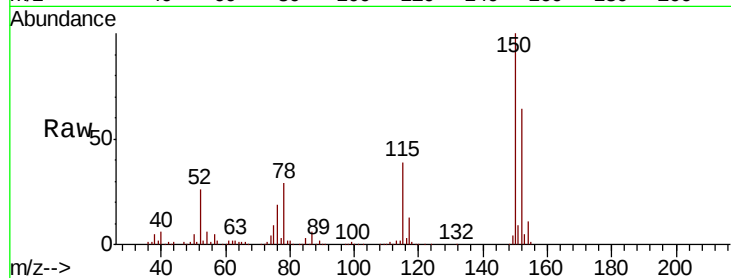
Tot Ion:152 Resp: 137781

Ion Ratio Lower Upper

152 100

115 58.6 43.0 129.0

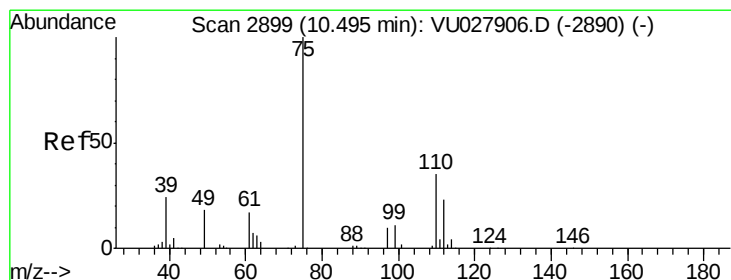
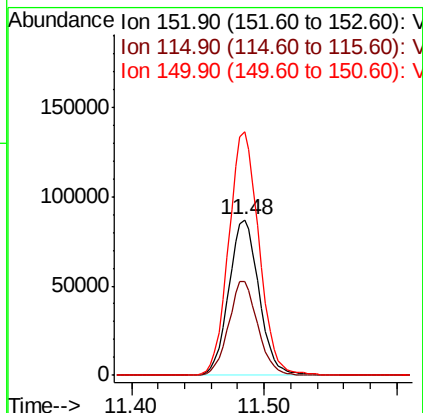
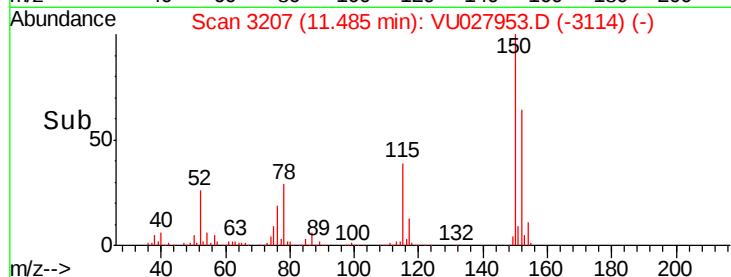
150 157.2 0.0 349.4



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: 21.556 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027953.D

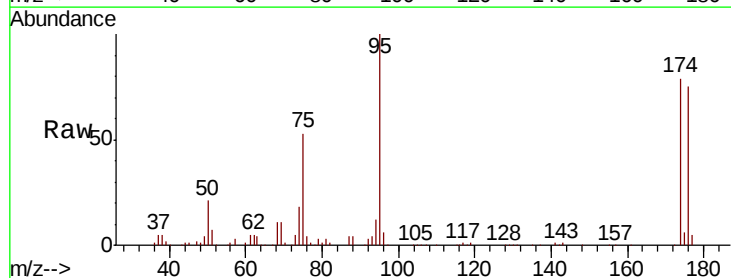
Acq: 05 Nov 2018 13:36

Tgt Ion: 75 Resp: 81240

Ion Ratio Lower Upper

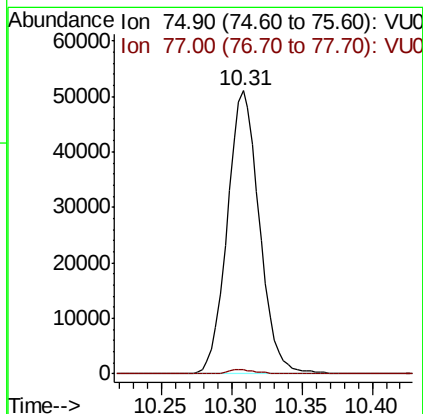
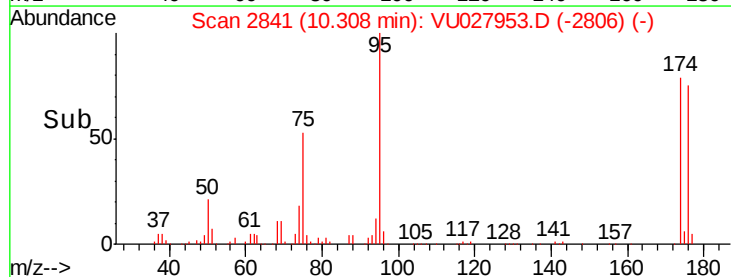
75 100

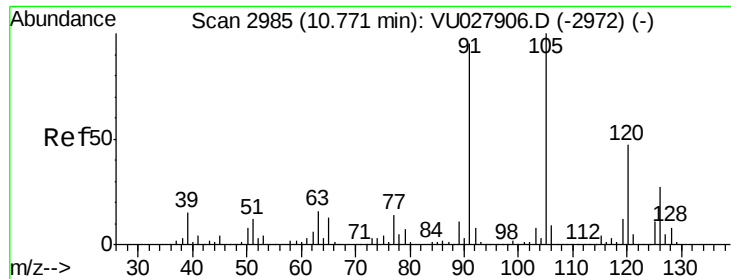
77 1.4 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

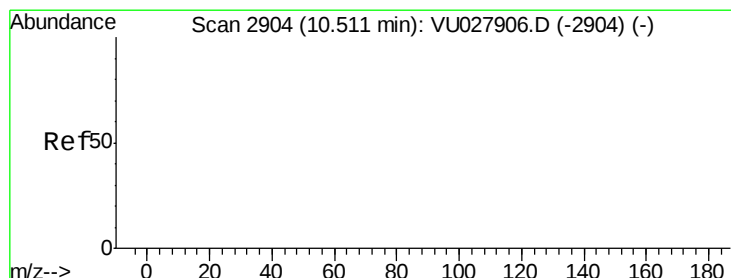
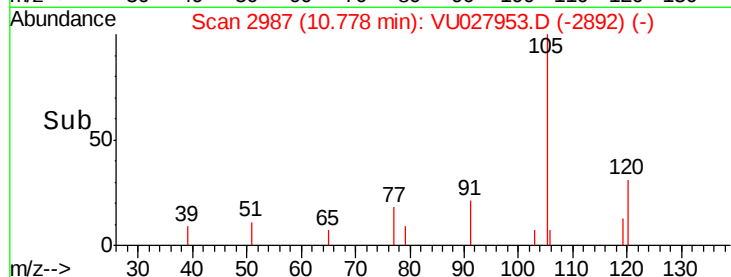
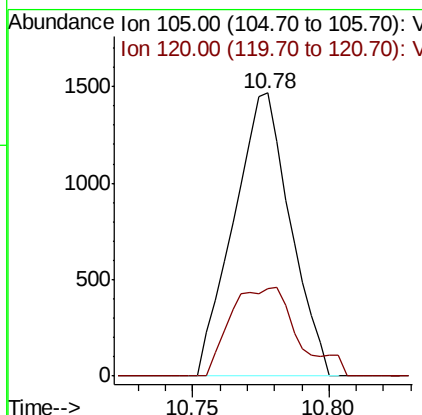
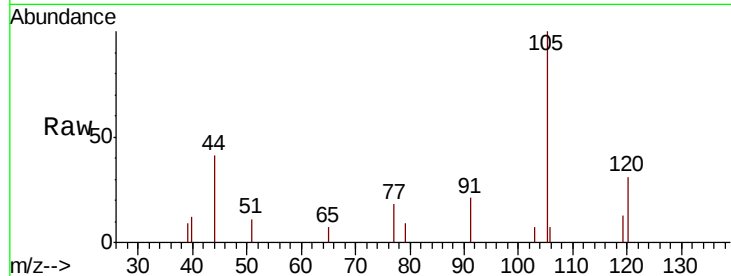




#80
 1,3,5-Trimethylbenzene
 Concen: 0.238 ug/l
 RT: 10.78 min Scan# 2987
 Delta R.T. 0.01 min
 Lab File: VU027953.D
 Acq: 05 Nov 2018 13:36

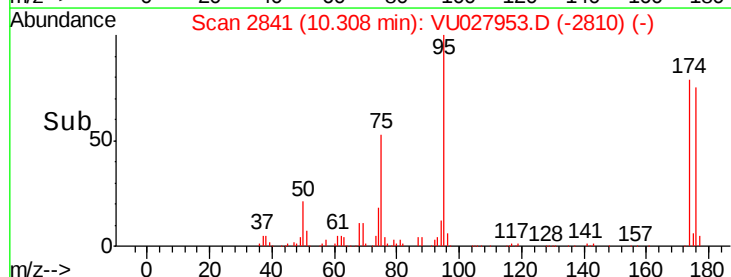
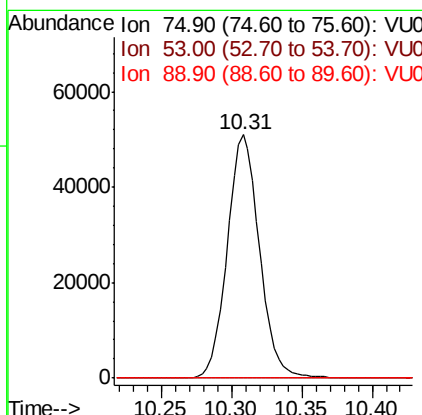
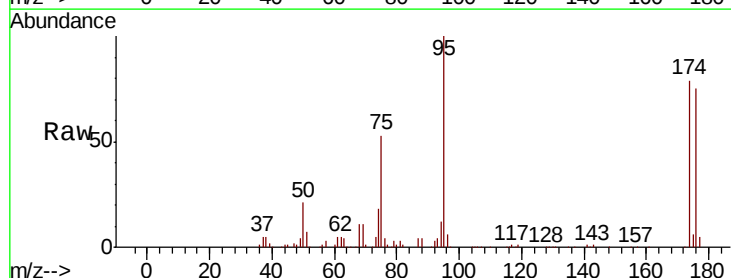
Instrument :
 MSVOA_U
 ClientSampleId :
 PB114473ZHE#08

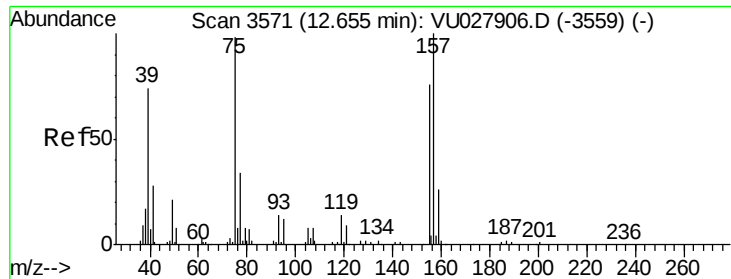
Tot Ion:105 Resp: 2108
 Ion Ratio Lower Upper
 105 100
 120 37.3 23.3 69.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.802 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027953.D
 Acq: 05 Nov 2018 13:36

Tgt Ion: 75 Resp: 81240
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.236 ug/l

RT: 12.49 min Scan# 3519

Delta R.T. -0.17 min

Lab File: VU027953.D

Acq: 05 Nov 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB114473ZHE#08

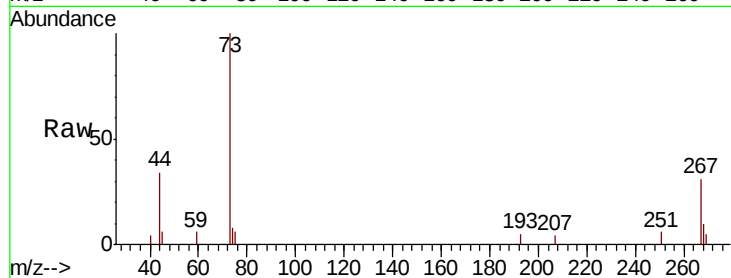
Tot Ion: 75 Resp: 214

Ion Ratio Lower Upper

75 100

155 0.0 39.8 119.3#

157 0.0 50.6 151.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

