

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U100418\
 Data File : VU027433.D
 Acq On : 05 Oct 2018 01:03
 Operator : MD/SY
 Sample : J5237-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FBGW10318

Quant Time: Oct 05 03:20:14 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	113148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	198477	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	191337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	105846	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	108767	57.57	ug/l	0.00
Spiked Amount			Recovery	=	115.14%	
35) Dibromofluoromethane	4.89	113	78870	57.98	ug/l	0.00
Spiked Amount			Recovery	=	115.96%	
50) Toluene-d8	7.57	98	306818	60.27	ug/l	0.00
Spiked Amount			Recovery	=	120.54%	
62) 4-Bromofluorobenzene	10.31	95	112968	59.71	ug/l	0.00
Spiked Amount			Recovery	=	119.42%	

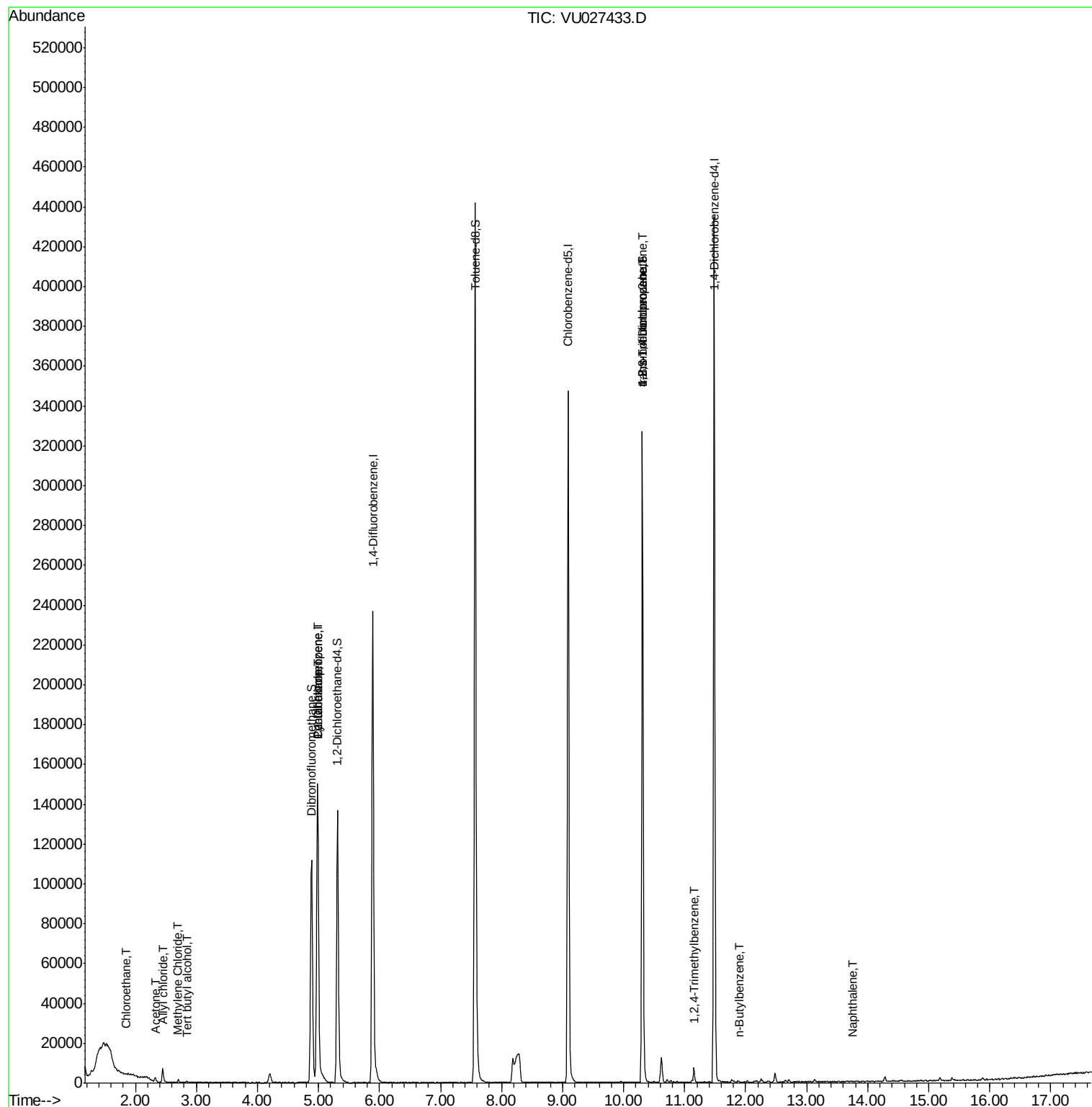
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.84	64	398	0.319	ug/l #	44
11) Tert butyl alcohol	2.84	59	462	1.161	ug/l #	72
14) Allyl chloride	2.45	41	734	0.259	ug/l #	73
16) Acetone	2.33	43	2363	2.117	ug/l	97
20) Methylene Chloride	2.70	84	518	0.333	ug/l	93
31) Cyclohexane	4.99	56	2652	0.640	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	10094	4.684	ug/l #	47
76) 1,2,3-Trichloropropane	10.31	75	58975	21.494	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	58975	56.252	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	4095	0.641	ug/l	95
89) n-Butylbenzene	11.89	91	222	1.980	ug/l #	53
95) Naphthalene	13.75	128	44	1.665	ug/l #	69

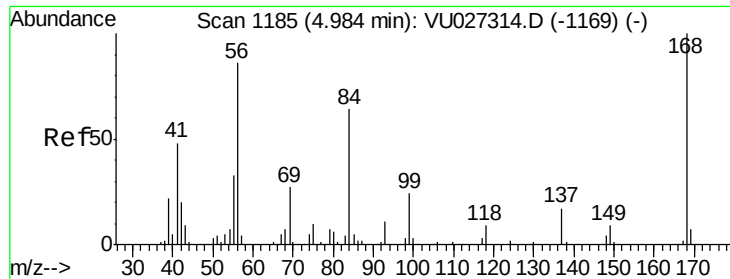
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027433.D

Acq: 05 Oct 2018 01:03

Instrument :

MSVOA_U

ClientSampleId :

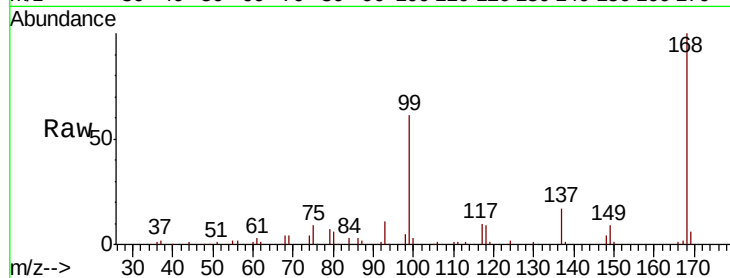
FBGW10318

Tgt Ion:168 Resp: 113148

Ion Ratio Lower Upper

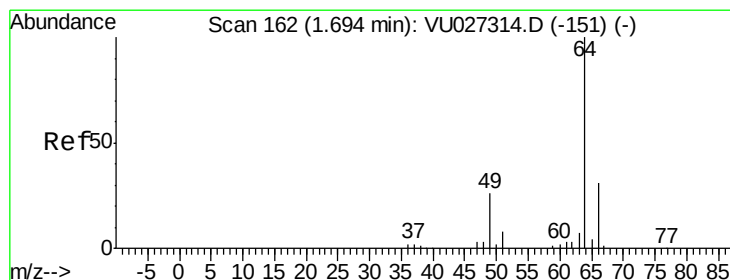
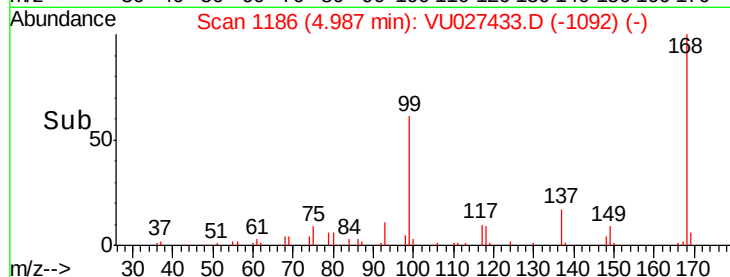
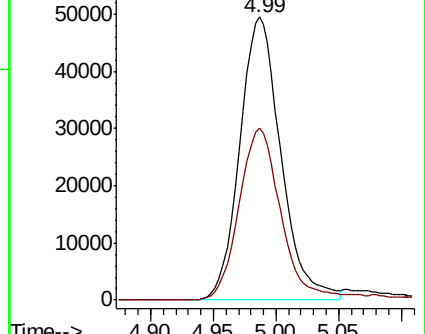
168 100

99 60.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#6

Chloroethane

Concen: 0.319 ug/l

RT: 1.84 min Scan# 208

Delta R.T. 0.15 min

Lab File: VU027433.D

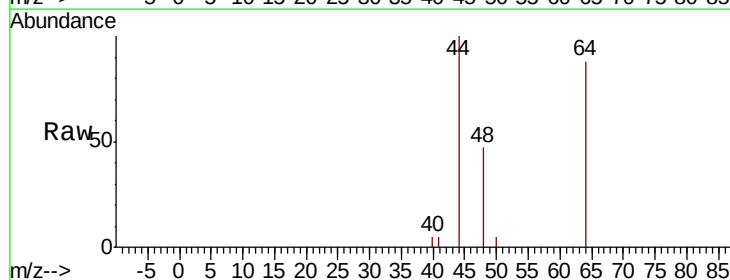
Acq: 05 Oct 2018 01:03

Tgt Ion: 64 Resp: 398

Ion Ratio Lower Upper

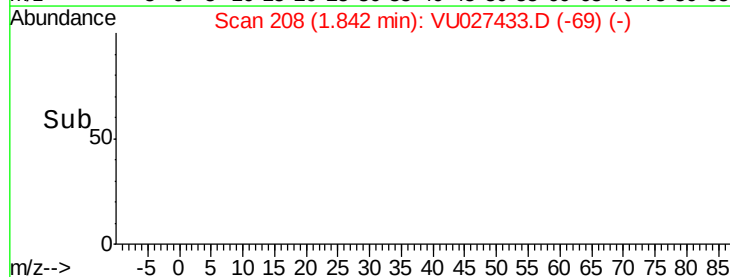
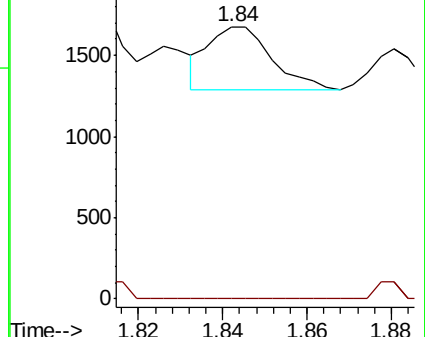
64 100

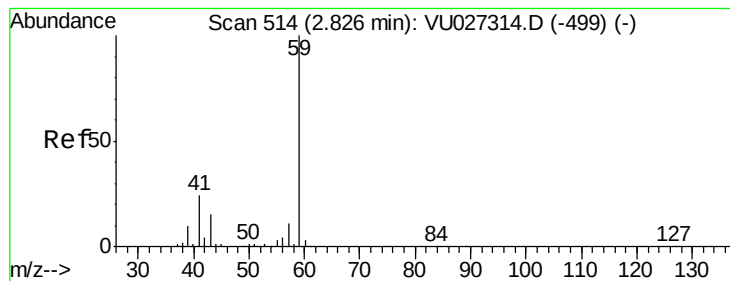
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)





#11

Tert butyl alcohol

Concen: 1.161 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.02 min

Lab File: VU027433.D

Acq: 05 Oct 2018 01:03

Instrument :

MSVOA_U

ClientSampleId :

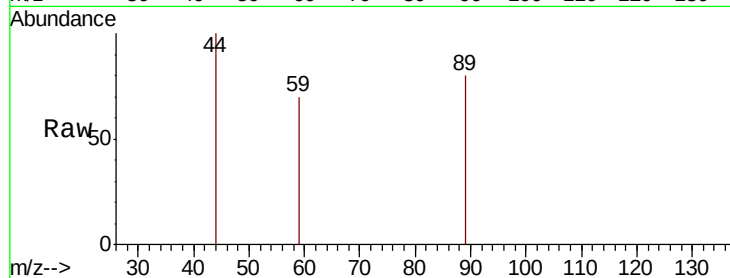
FBGW10318

Tgt Ion: 59 Resp: 462

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

250

200

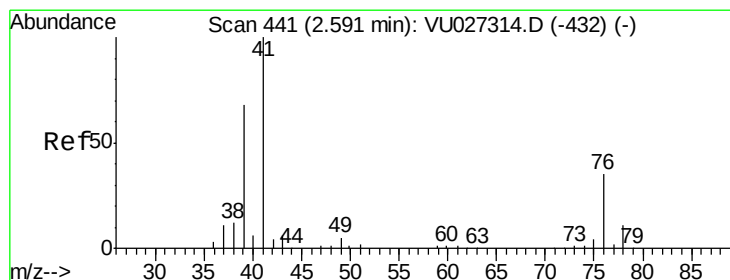
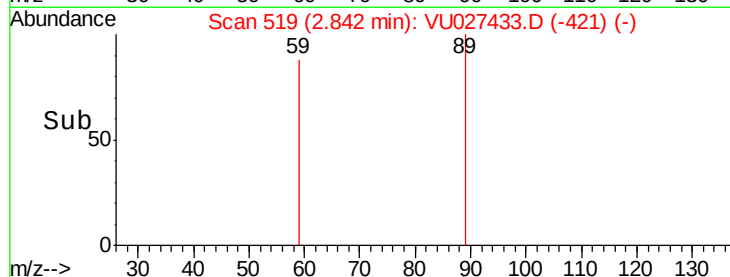
150

100

50

0

Time-->



#14

Allyl chloride

Concen: 0.259 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.14 min

Lab File: VU027433.D

Acq: 05 Oct 2018 01:03

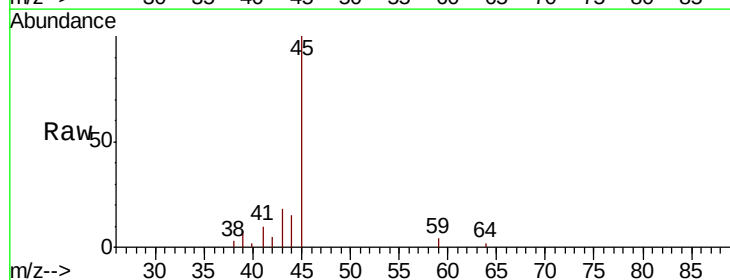
Tgt Ion: 41 Resp: 734

Ion Ratio Lower Upper

41 100

39 74.1 51.8 77.8

76 0.0 25.9 38.9#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

600

500

400

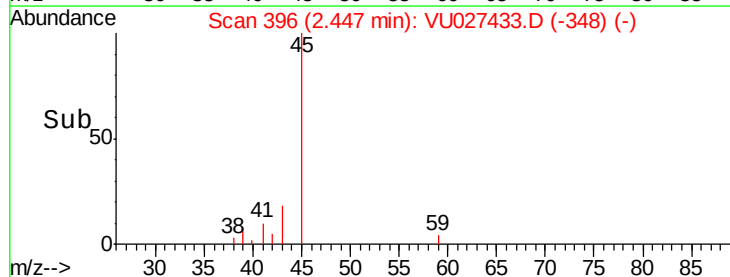
300

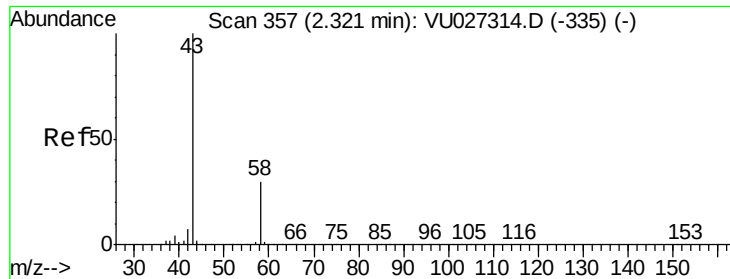
200

100

0

Time-->





#16

Acetone

Concen: 2.117 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU027433.D

Acq: 05 Oct 2018 01:03

Instrument :

MSVOA_U

ClientSampleId :

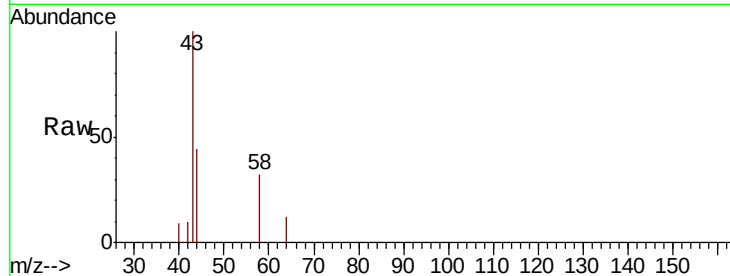
FBGW10318

Tgt Ion: 43 Resp: 2363

Ion Ratio Lower Upper

43 100

58 31.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027433.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027433.D (-335) (-)

2.33

1500

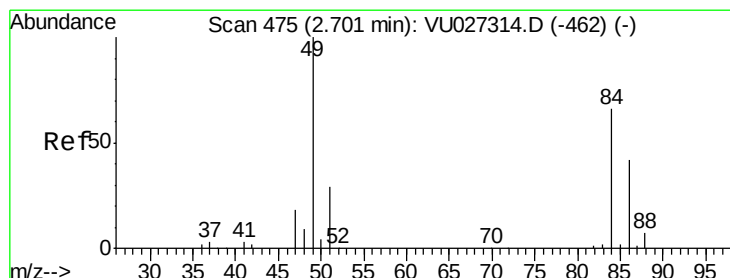
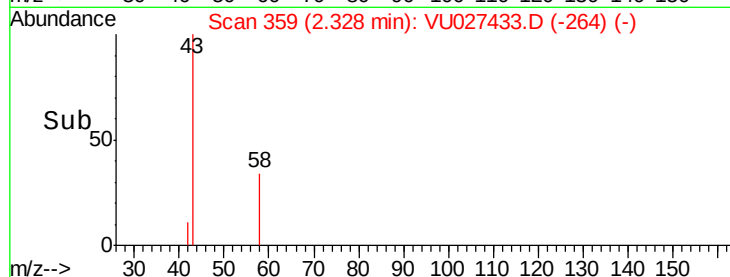
1000

500

0

2.30 2.35

Time-->



#20

Methylene Chloride

Concen: 0.333 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027433.D

Acq: 05 Oct 2018 01:03

Tgt Ion: 84 Resp: 518

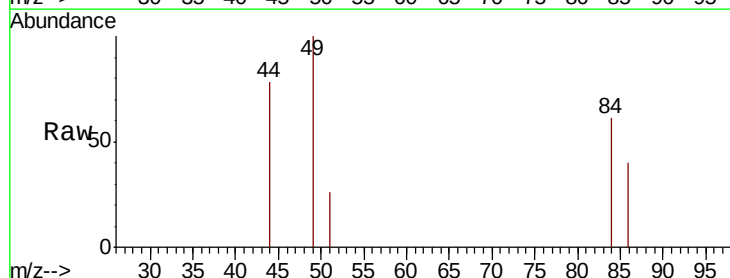
Ion Ratio Lower Upper

84 100

49 164.1 120.5 180.7

51 43.4 35.1 52.7

86 65.0 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VU027433.D (-382) (-)

Ion 48.90 (48.60 to 49.60): VU027433.D (-382) (-)

Ion 50.90 (50.60 to 51.60): VU027433.D (-382) (-)

Ion 85.90 (85.60 to 86.60): VU027433.D (-382) (-)

800

600

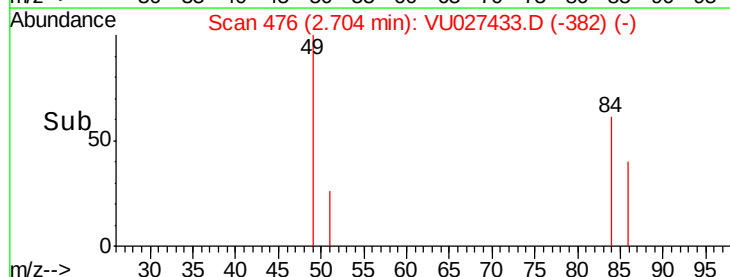
400

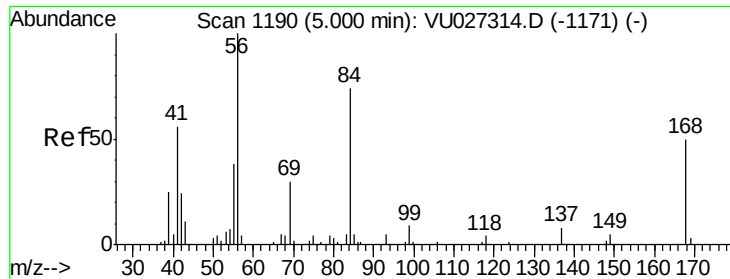
200

0

2.68 2.70 2.72 2.74

Time-->

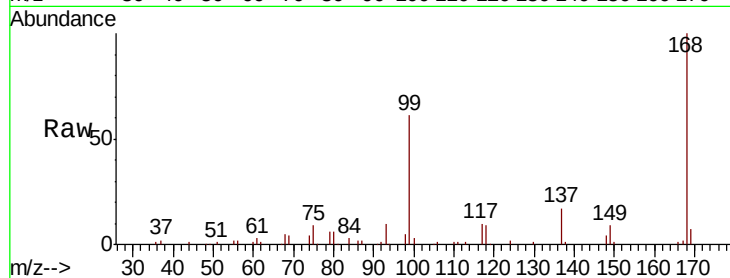




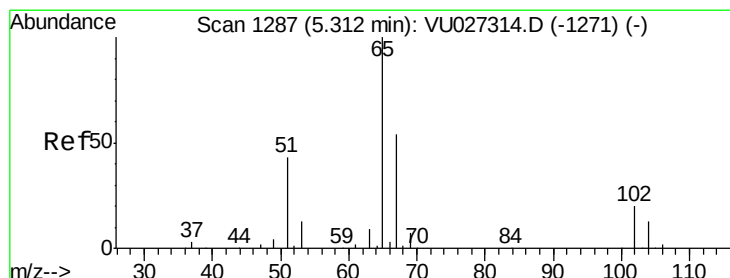
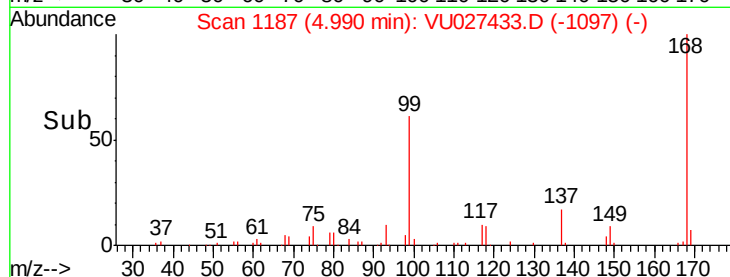
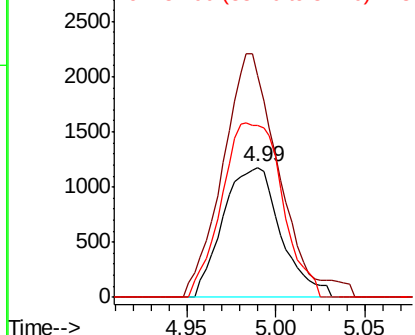
#31
Cyclohexane
Concen: 0.640 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU027433.D
Acq: 05 Oct 2018 01:03

Instrument :
MSVOA_U
ClientSampleId :
FBGW10318

Tgt Ion: 56 Resp: 2652
Ion Ratio Lower Upper
56 100
69 159.5 24.1 36.1#
84 131.6 59.1 88.7#

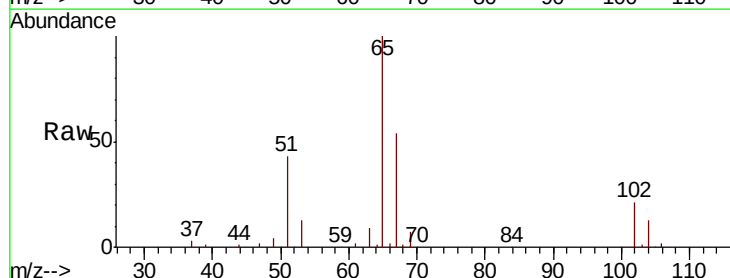


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

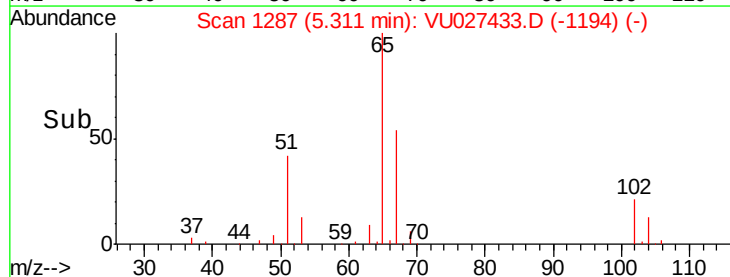
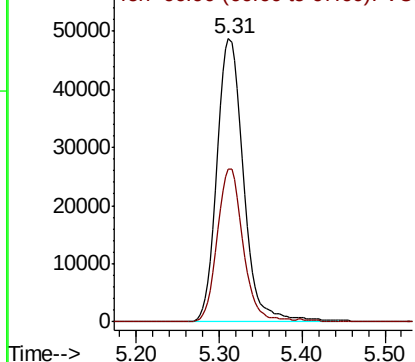


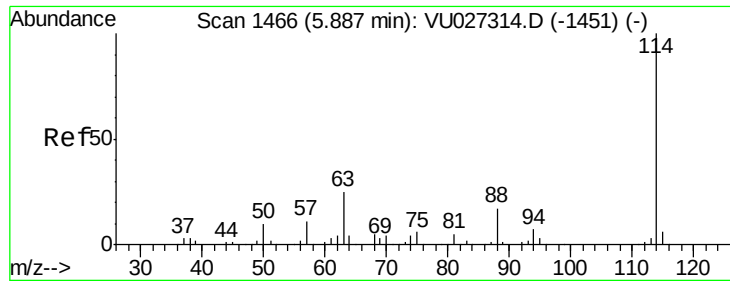
#33
1,2-Dichloroethane-d4
Concen: 57.568 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027433.D
Acq: 05 Oct 2018 01:03

Tgt Ion: 65 Resp: 108767
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

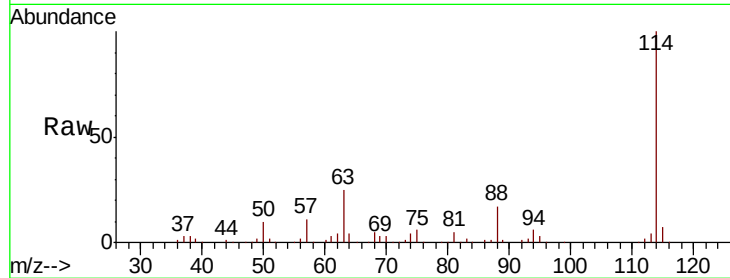




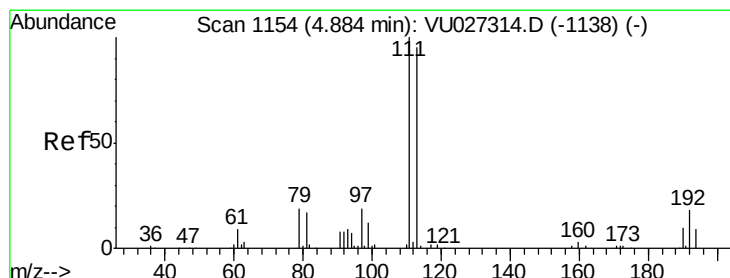
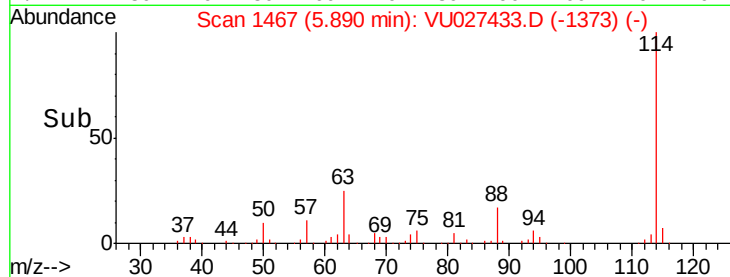
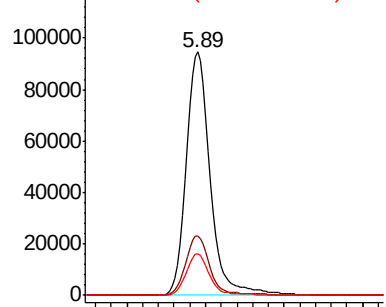
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027433.D
 Acq: 05 Oct 2018 01:03

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 ClientSampleId :
 FBGW10318

Tgt Ion:114 Resp: 198477
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.2
 88 17.2 0.0 33.8

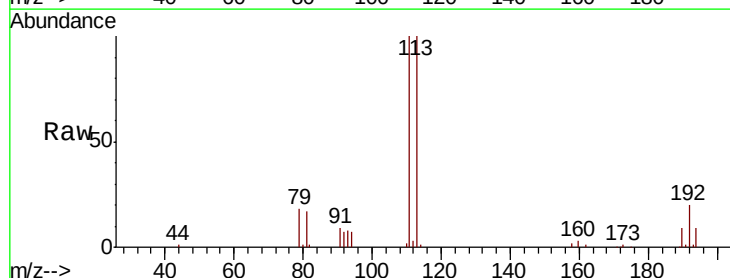


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

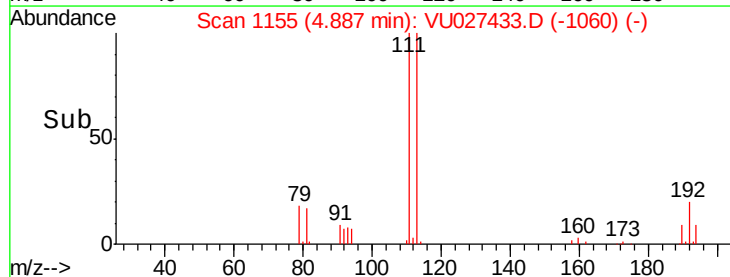
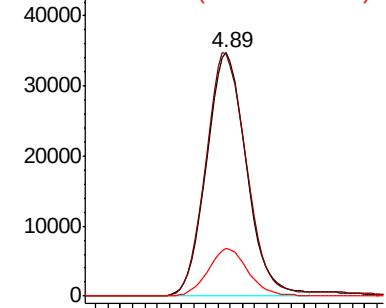


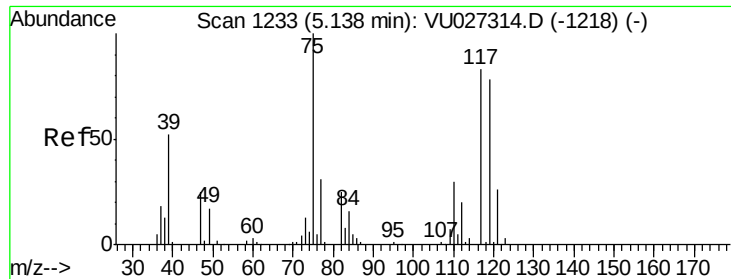
#35
 Dibromofluoromethane
 Concen: 57.983 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027433.D
 Acq: 05 Oct 2018 01:03

Tgt Ion:113 Resp: 78870
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.1 124.7
 192 19.5 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

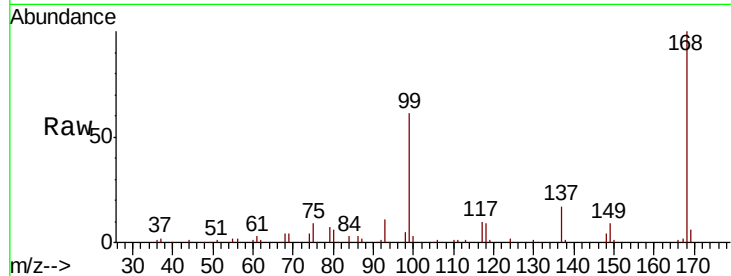




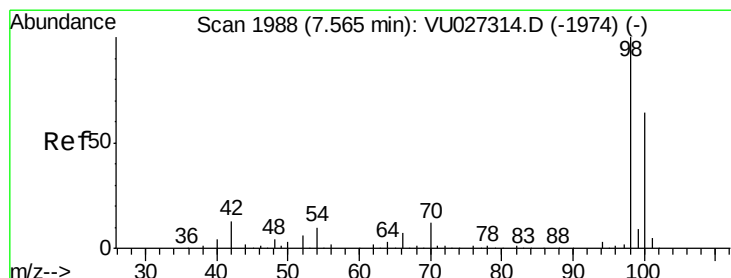
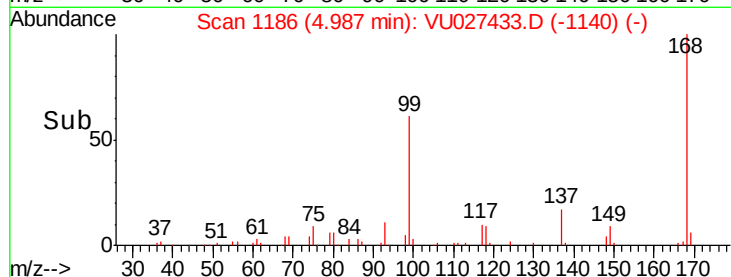
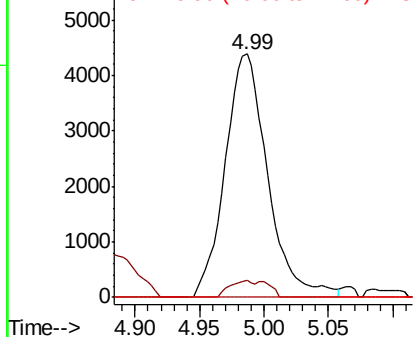
#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027433.D
 Acq: 05 Oct 2018 01:03

Instrument :
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 FBGW10318

Tgt Ion: 75 Resp: 10094
 Ion Ratio Lower Upper
 75 100
 110 4.0 15.5 46.5#
 77 0.0 25.4 38.0#

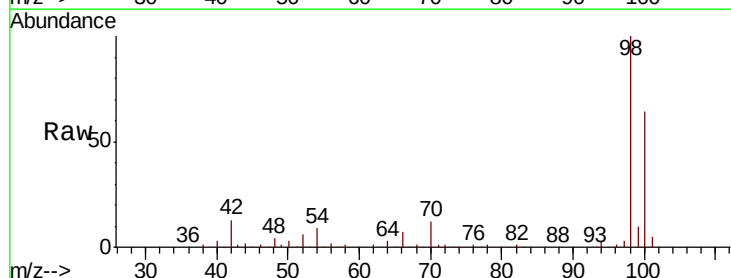


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

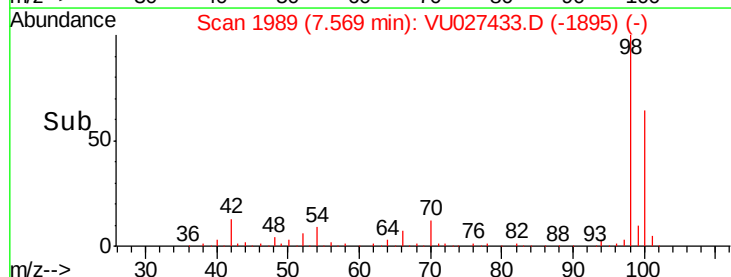
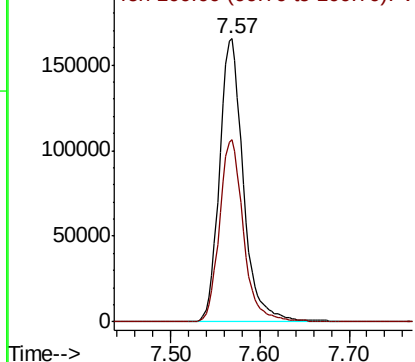


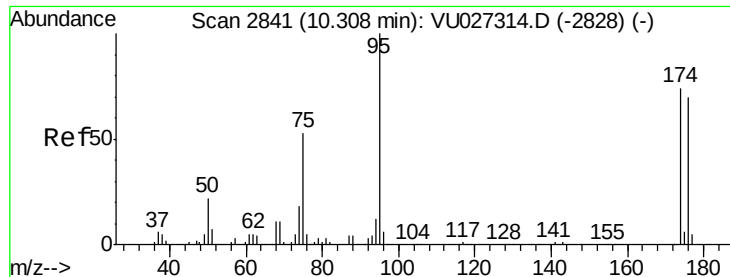
#50
 Toluene-d8
 Concen: 60.268 ug/l
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VU027433.D
 Acq: 05 Oct 2018 01:03

Tgt Ion: 98 Resp: 306818
 Ion Ratio Lower Upper
 98 100
 100 64.7 52.1 78.1



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

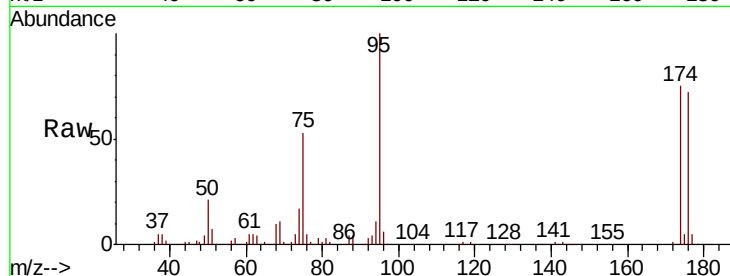




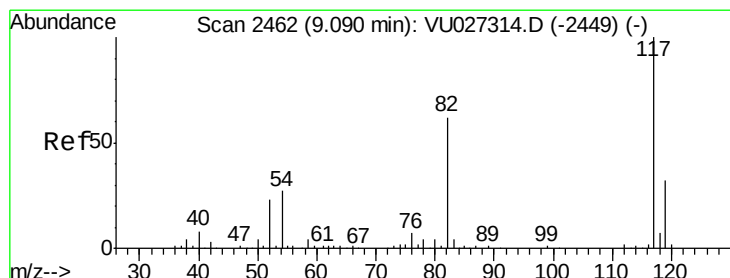
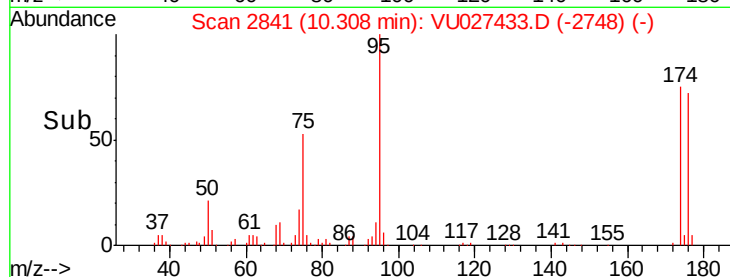
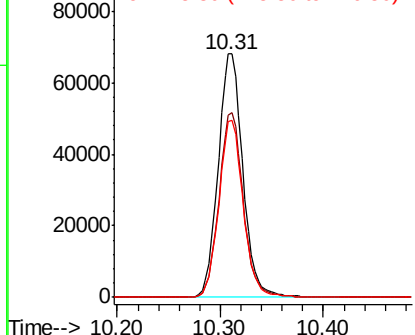
#62
 4-Bromofluorobenzene
 Concen: 59.709 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027433.D
 Acq: 05 Oct 2018 01:03

Instrument :
 MSVOA_U
 ClientSampleId :
 FBGW10318

Tgt Ion: 95 Resp: 112968
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 147.8
 176 71.8 0.0 140.8

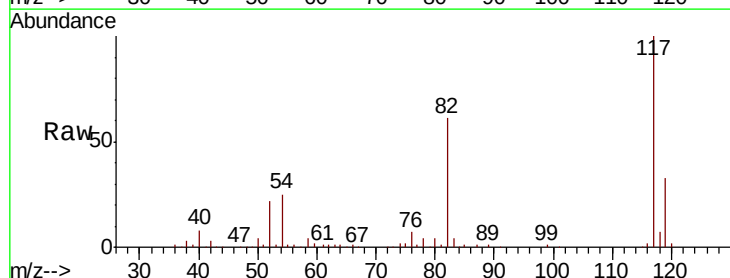


Abundance Ion 94.90 (94.60 to 95.60): VU027433.D (-2748) (-)
 Ion 173.80 (173.50 to 174.50): VU027433.D (-2748) (-)
 Ion 175.80 (175.50 to 176.50): VU027433.D (-2748) (-)

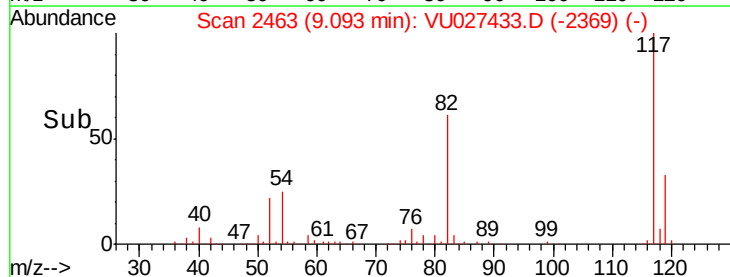
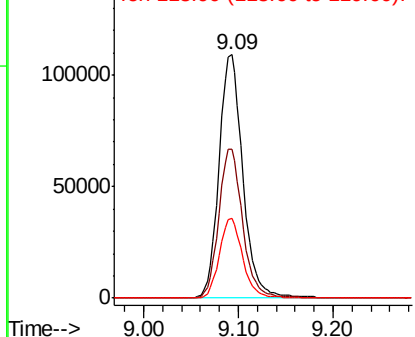


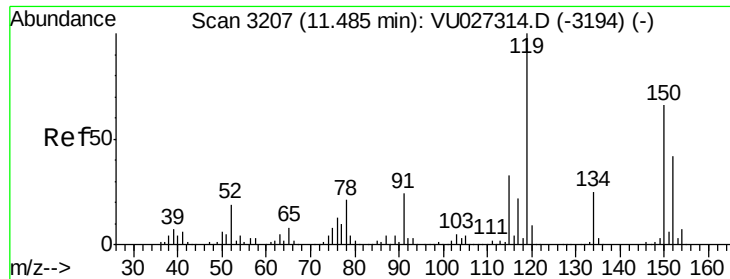
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027433.D
 Acq: 05 Oct 2018 01:03

Tgt Ion: 117 Resp: 191337
 Ion Ratio Lower Upper
 117 100
 82 61.4 49.2 73.8
 119 32.7 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU027433.D (-2369) (-)
 Ion 82.00 (81.70 to 82.70): VU027433.D (-2369) (-)
 Ion 118.90 (118.60 to 119.60): VU027433.D (-2369) (-)

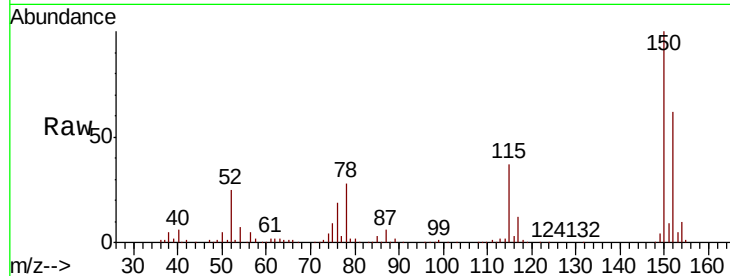




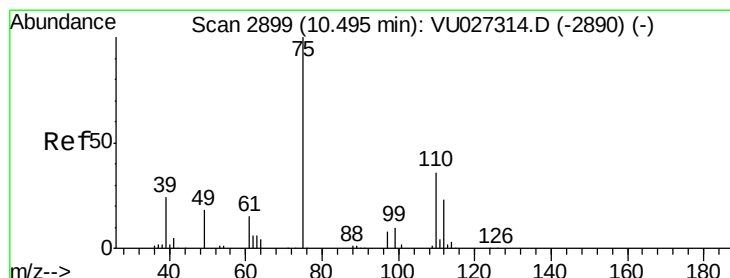
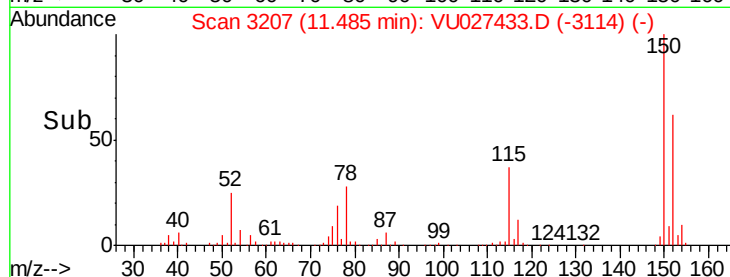
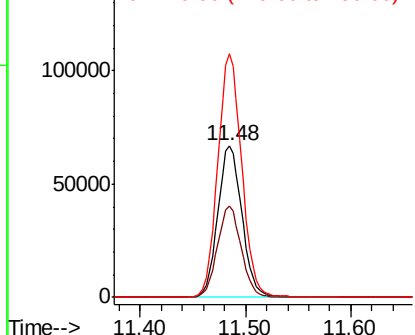
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU027433.D
 Acq: 05 Oct 2018 01:03

Instrument :
 MSVOA_U
 ClientSampleId :
 FBGW10318

Tgt Ion:152 Resp: 105846
 Ion Ratio Lower Upper
 152 100
 115 59.4 43.4 130.2
 150 159.3 0.0 349.2

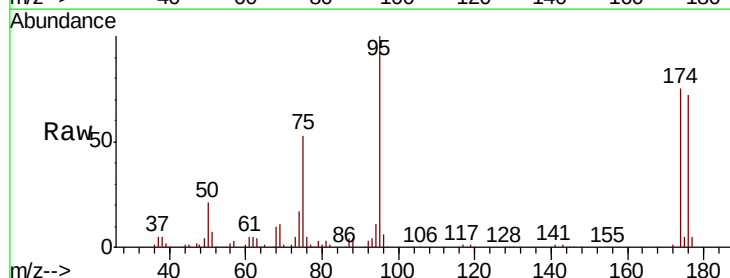


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

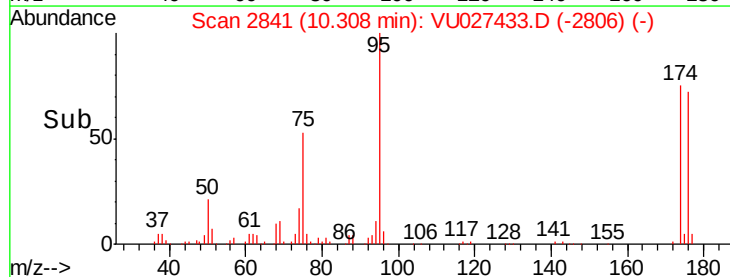
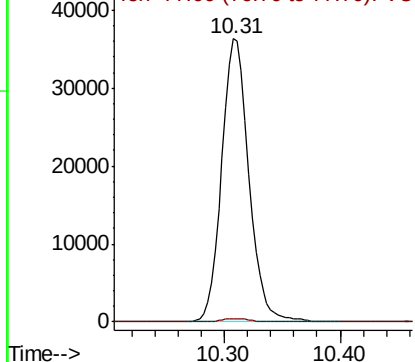


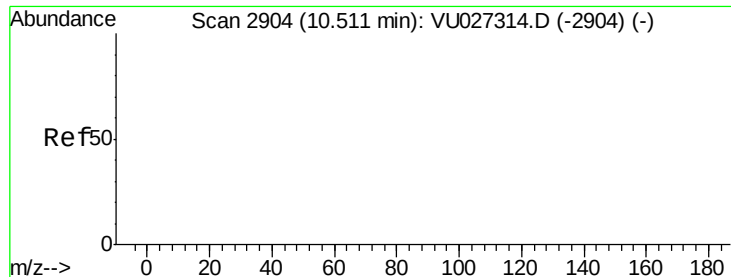
#76
 1,2,3-Trichloropropane
 Concen: 21.494 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027433.D
 Acq: 05 Oct 2018 01:03

Tgt Ion: 75 Resp: 58975
 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

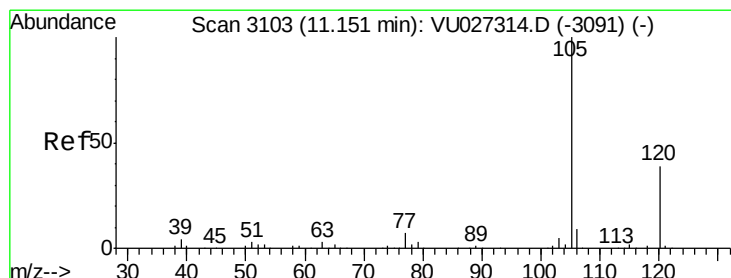
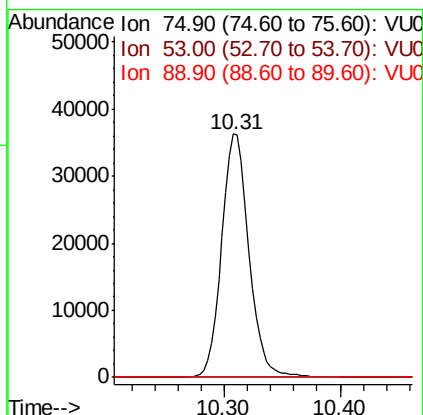
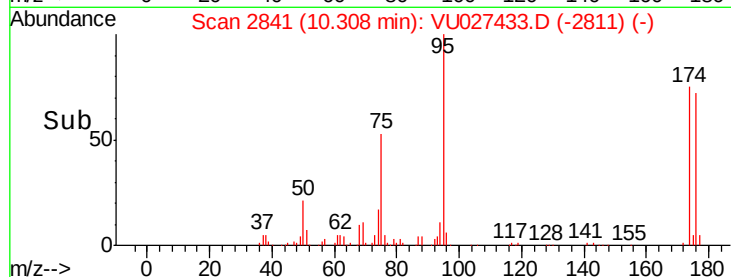
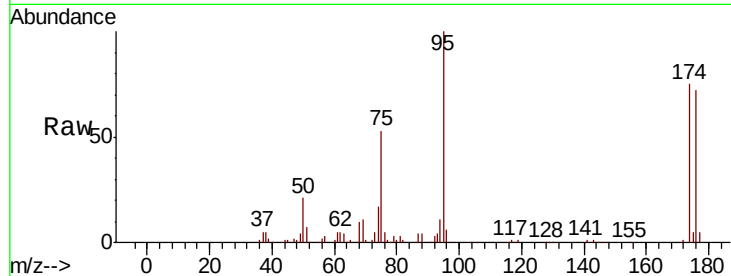




#81
trans-1,4-Dichloro-2-butene
Concen: 56.252 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027433.D
Acq: 05 Oct 2018 01:03

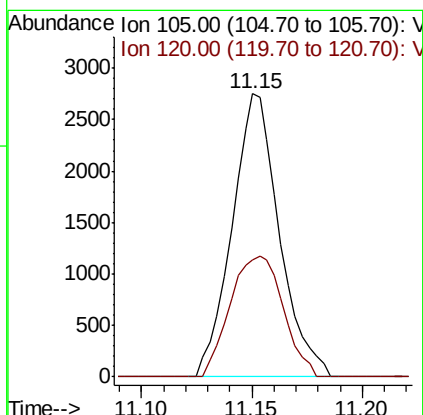
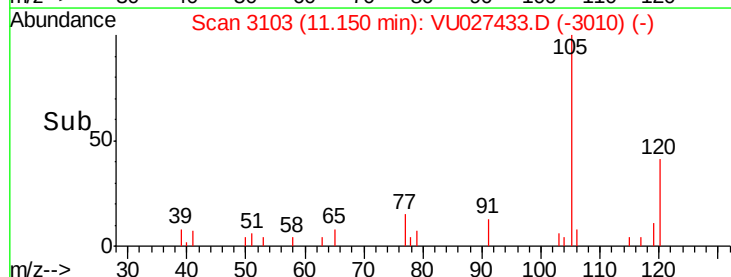
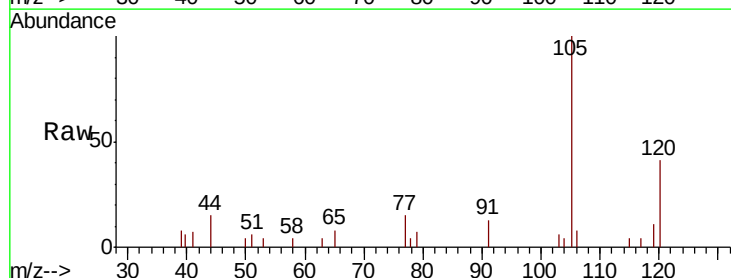
Instrument :
MSVOA_U
ClientSampleId :
FBGW10318

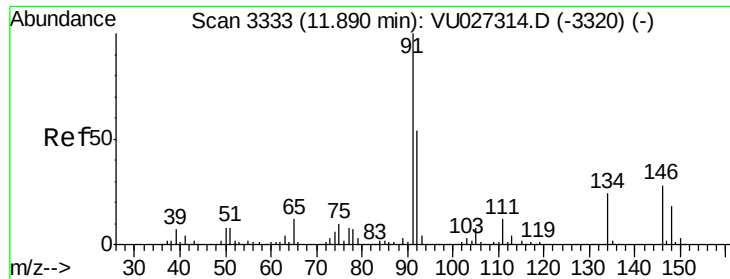
Tgt Ion: 75 Resp: 58975
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#84
1,2,4-Trimethylbenzene
Concen: 0.641 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU027433.D
Acq: 05 Oct 2018 01:03

Tgt Ion: 105 Resp: 4095
Ion Ratio Lower Upper
105 100
120 47.7 22.1 66.5





#89

n-Butylbenzene

Concen: 1.980 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027433.D

Acq: 05 Oct 2018 01:03

Instrument :

MSVOA_U

ClientSampleId :

FBGW10318

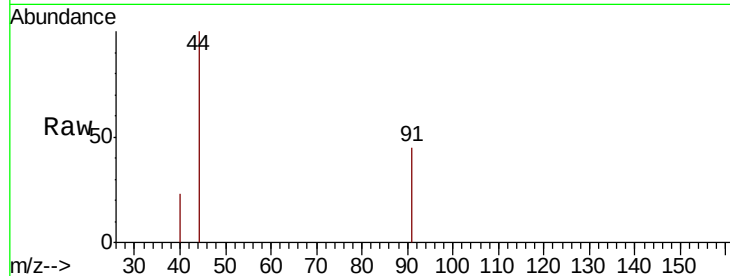
Tgt Ion: 91 Resp: 222

Ion Ratio Lower Upper

91 100

92 20.3 27.0 81.0#

134 0.0 11.7 35.1#

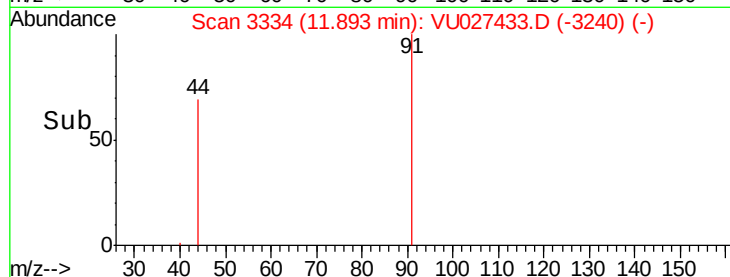


Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU027314.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU027314.D (-3320) (-)

Time-->

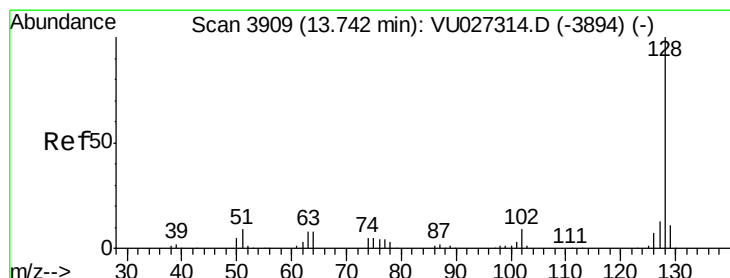


Abundance Ion 91.00 (90.70 to 91.70): VU027433.D (-3240) (-)

Ion 92.00 (91.70 to 92.70): VU027433.D (-3240) (-)

Ion 134.00 (133.70 to 134.70): VU027433.D (-3240) (-)

Time-->



#95

Naphthalene

Concen: 1.665 ug/l

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027433.D

Acq: 05 Oct 2018 01:03

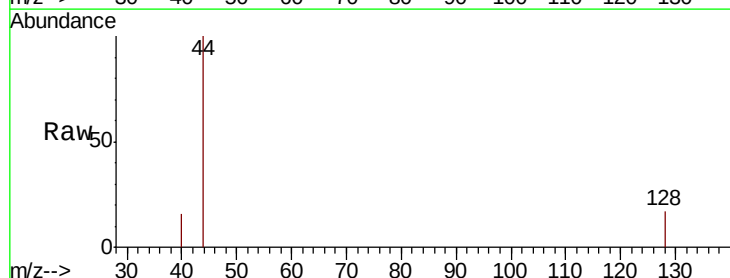
Tgt Ion: 128 Resp: 44

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

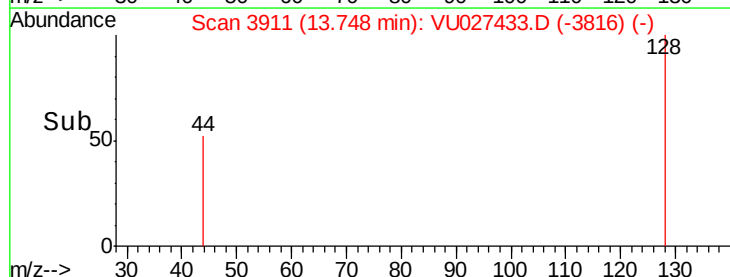


Abundance Ion 128.00 (127.70 to 128.70): VU027314.D (-3894) (-)

Ion 127.00 (126.70 to 127.70): VU027314.D (-3894) (-)

Ion 129.00 (128.70 to 129.70): VU027314.D (-3894) (-)

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VU027433.D (-3816) (-)

Ion 127.00 (126.70 to 127.70): VU027433.D (-3816) (-)

Ion 129.00 (128.70 to 129.70): VU027433.D (-3816) (-)

Time-->