

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
 Data File : VU027366.D
 Acq On : 03 Oct 2018 19:33
 Operator : MD/SY
 Sample : VU1004WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBL01

Quant Time: Oct 03 23:58:38 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	89554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	155287	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	149811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68546	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	99739	66.70	ug/l	0.00
Spiked Amount			Recovery	=	133.40%	
35) Dibromofluoromethane	4.88	113	70225	65.99	ug/l	0.00
Spiked Amount			Recovery	=	131.98%	
50) Toluene-d8	7.57	98	243831	61.22	ug/l	0.00
Spiked Amount			Recovery	=	122.44%	
62) 4-Bromofluorobenzene	10.31	95	77159	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	

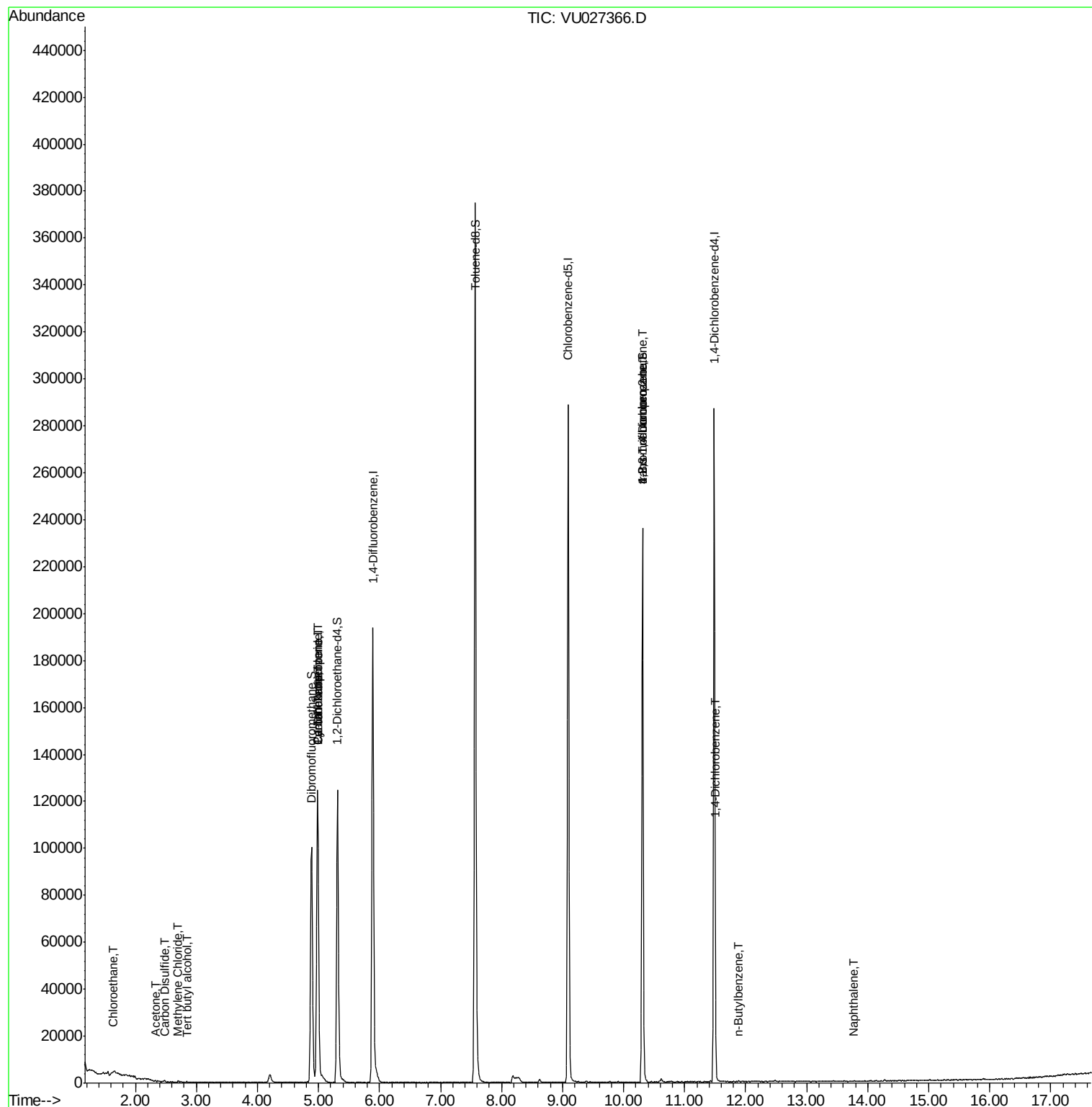
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.63	64	1488	1.507	ug/l #	44
11) Tert butyl alcohol	2.85	59	126	0.400	ug/l #	72
16) Acetone	2.32	43	526	0.595	ug/l	92
17) Carbon Disulfide	2.48	76	791	0.232	ug/l #	75
20) Methylene Chloride	2.70	84	262	0.213	ug/l #	61
31) Cyclohexane	4.98	56	2141	0.658	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8295	4.920	ug/l #	50
38) Carbon Tetrachloride	4.99	117	9204	6.043	ug/l #	19
76) 1,2,3-Trichloropropane	10.31	75	41528	23.371	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	41528	61.166	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	511	0.228	ug/l #	63
89) n-Butylbenzene	11.90	91	343	2.023	ug/l #	33
95) Naphthalene	13.76	128	143	1.687	ug/l #	69

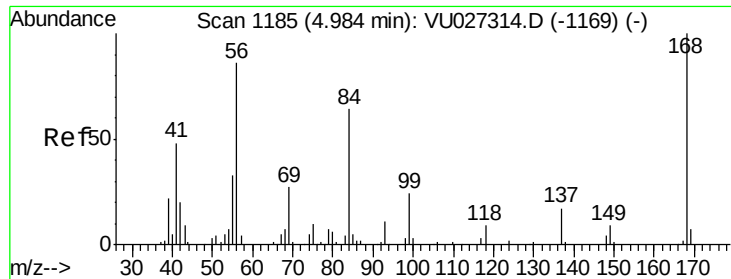
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027366.D

Acq: 03 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

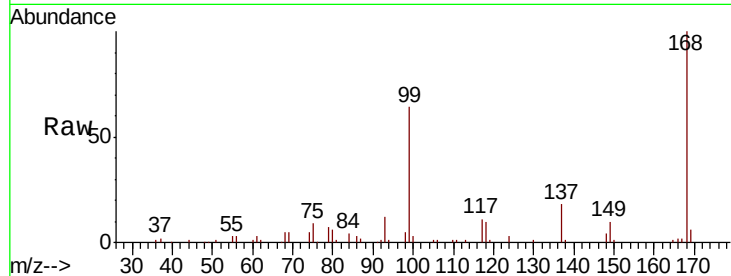
VU1004WBL01

Tgt Ion:168 Resp: 89554

Ion Ratio Lower Upper

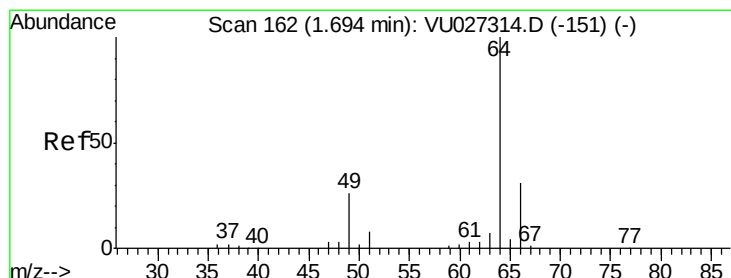
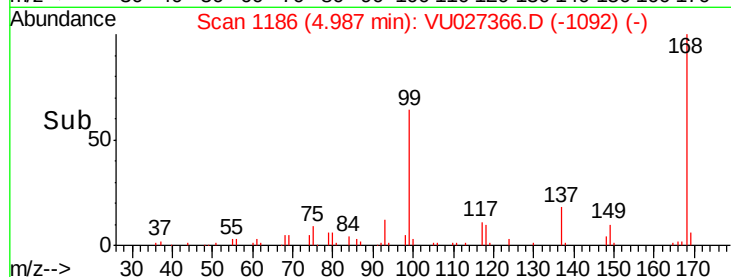
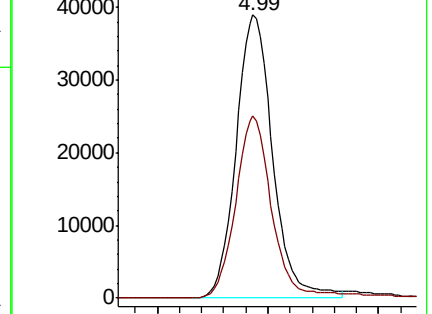
168 100

99 64.3 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: 1.507 ug/l

RT: 1.63 min Scan# 142

Delta R.T. -0.06 min

Lab File: VU027366.D

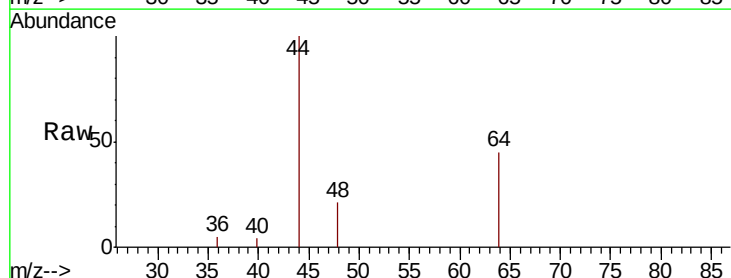
Acq: 03 Oct 2018 19:33

Tgt Ion: 64 Resp: 1488

Ion Ratio Lower Upper

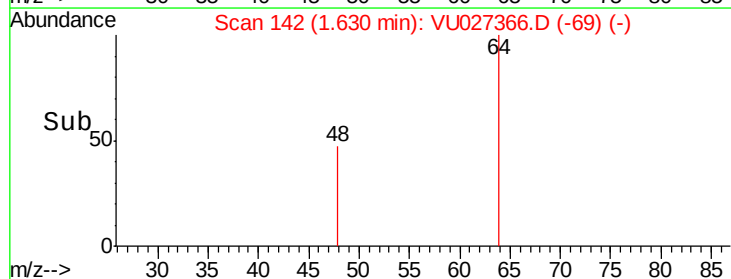
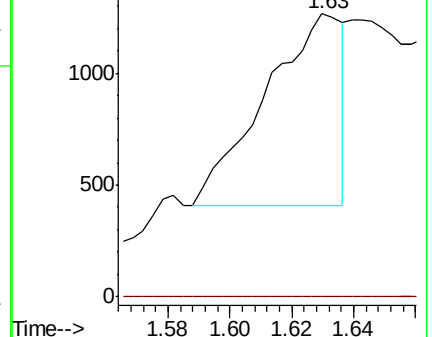
64 100

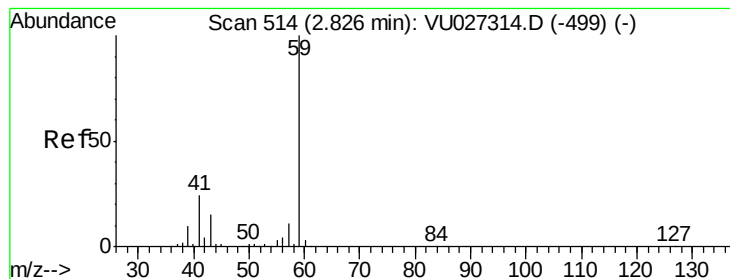
66 0.0 24.6 36.8#



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: 0.400 ug/l

RT: 2.85 min Scan# 521

Delta R.T. 0.02 min

Lab File: VU027366.D

Acq: 03 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

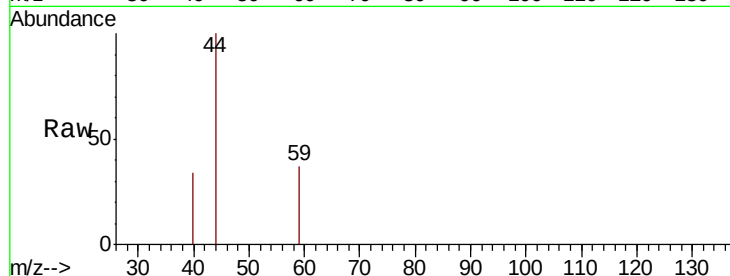
VU1004WBL01

Tgt Ion: 59 Resp: 126

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

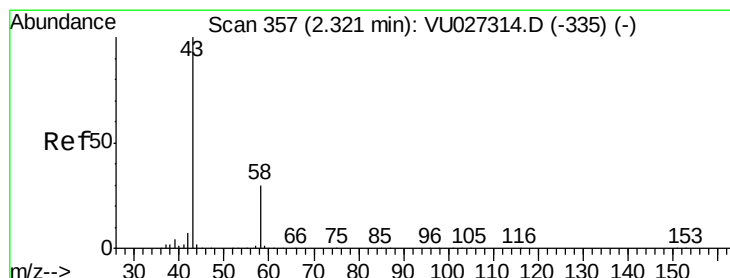
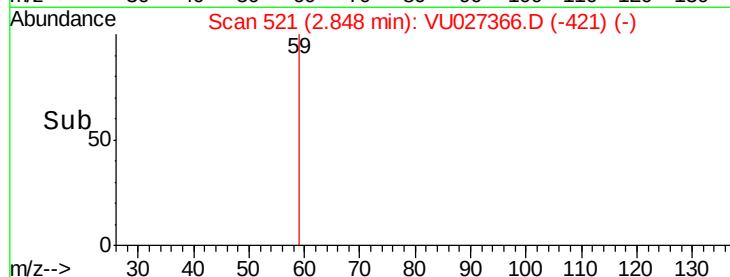
2.85

100

50

0

Time-->



#16

Acetone

Concen: 0.595 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027366.D

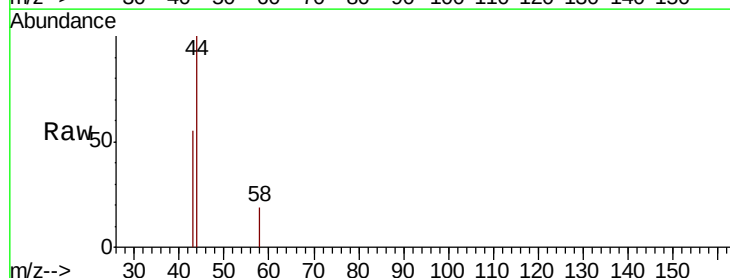
Acq: 03 Oct 2018 19:33

Tgt Ion: 43 Resp: 526

Ion Ratio Lower Upper

43 100

58 34.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

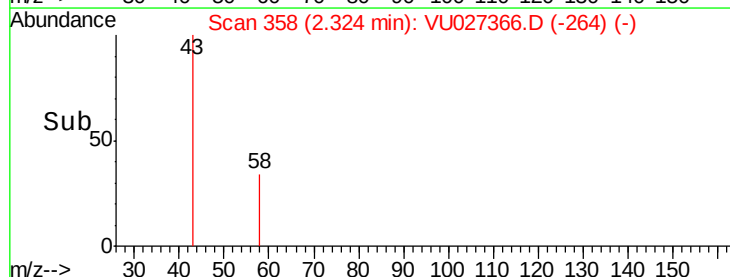
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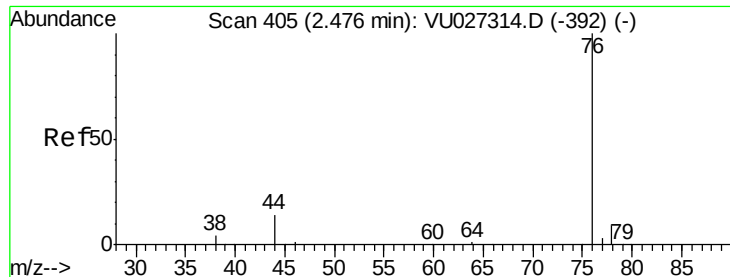
200

100

0

Time-->





#17

Carbon Disulfide

Concen: 0.232 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027366.D

Acq: 03 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

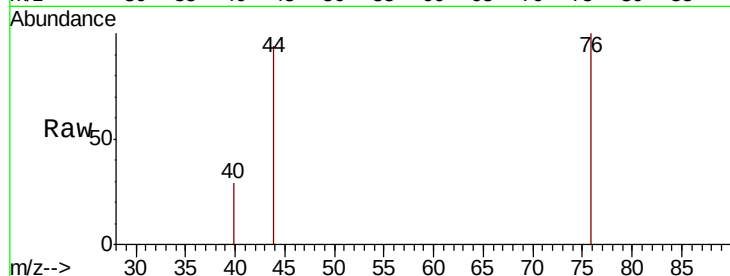
VU1004WBL01

Tgt Ion: 76 Resp: 791

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

500

400

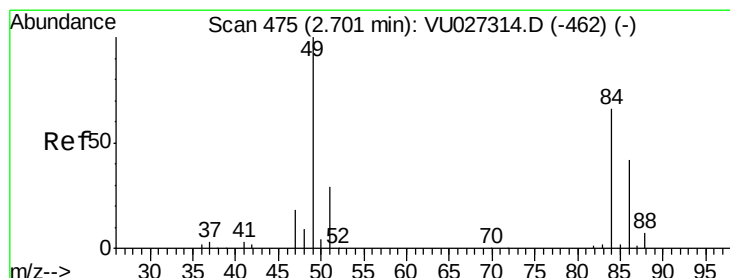
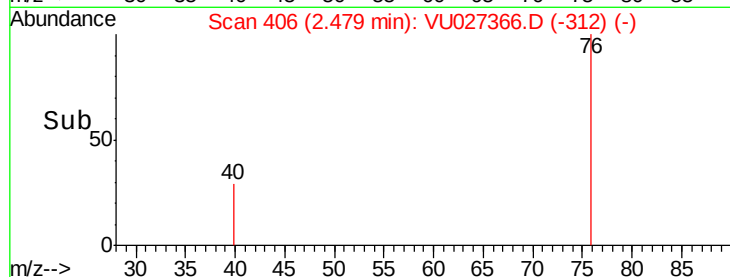
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.213 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027366.D

Acq: 03 Oct 2018 19:33

Tgt Ion: 84 Resp: 262

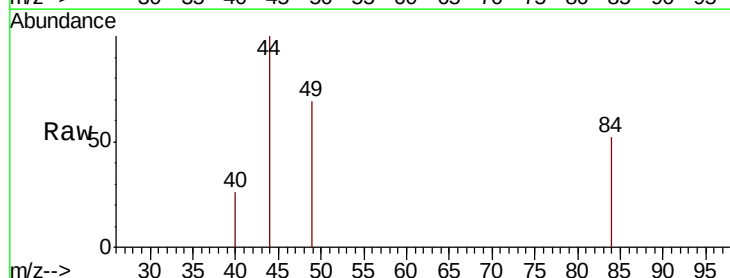
Ion Ratio Lower Upper

84 100

49 134.5 120.5 180.7

51 0.0 35.1 52.7#

86 0.0 50.5 75.7#



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

400

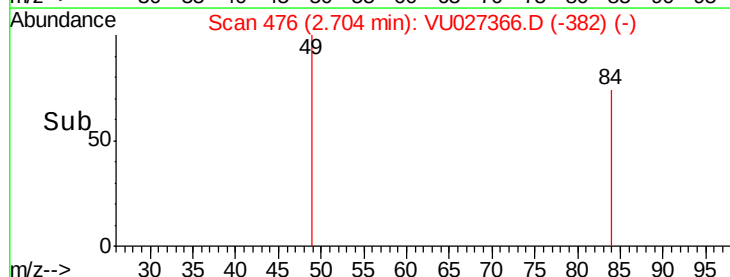
300

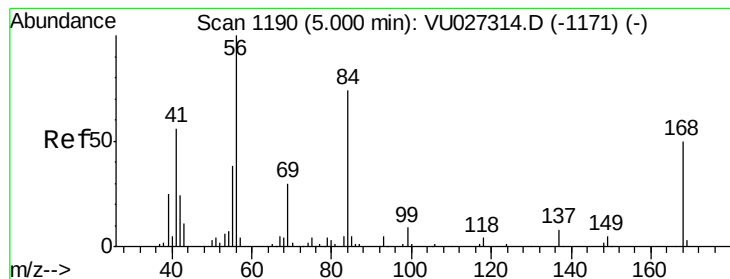
200

100

0

Time-->





#31

Cyclohexane

Concen: 0.658 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027366.D

Acq: 03 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBL01

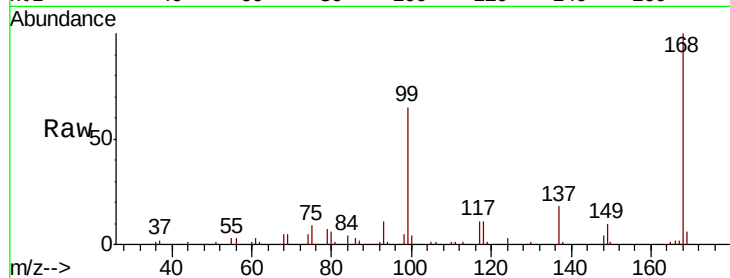
Tgt Ion: 56 Resp: 2141

Ion Ratio Lower Upper

56 100

69 174.7 24.1 36.1#

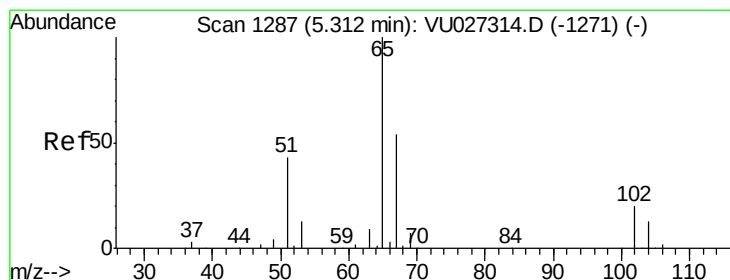
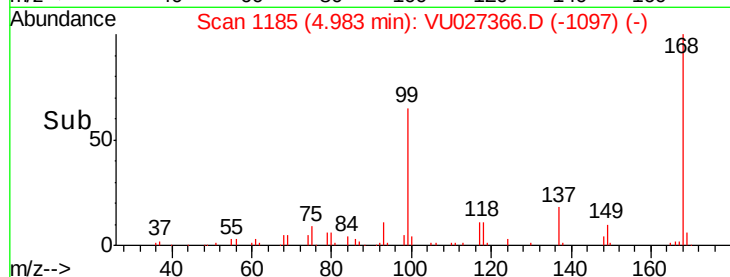
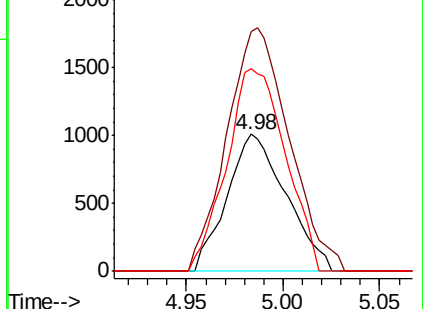
84 147.9 59.1 88.7#



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: 66.697 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027366.D

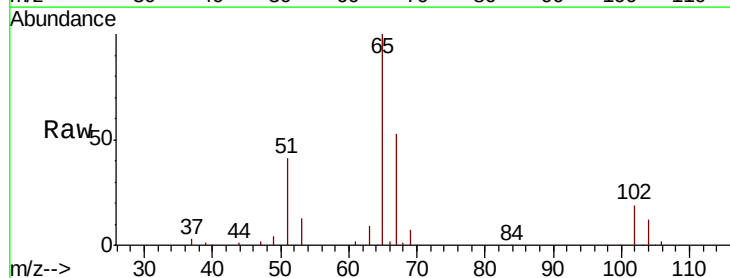
Acq: 03 Oct 2018 19:33

Tgt Ion: 65 Resp: 99739

Ion Ratio Lower Upper

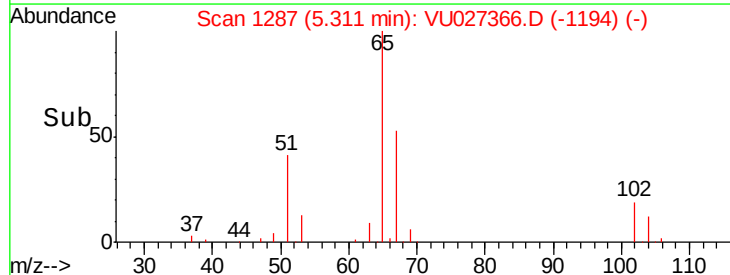
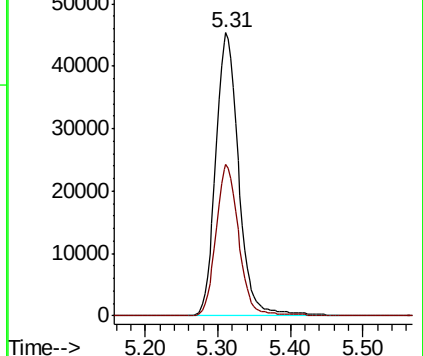
65 100

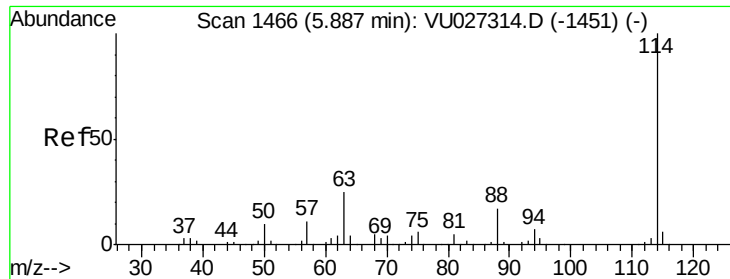
67 52.2 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

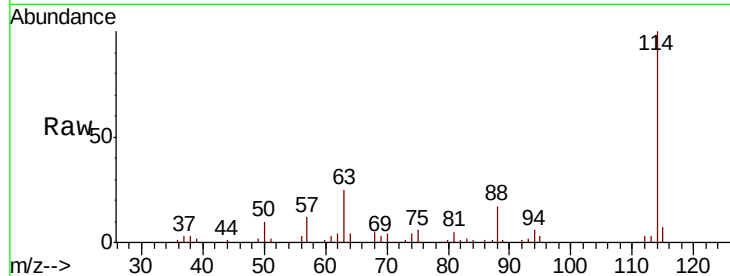




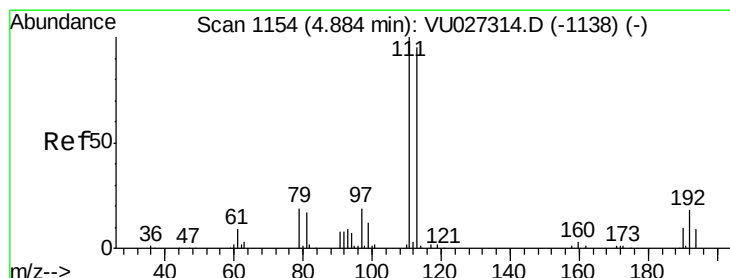
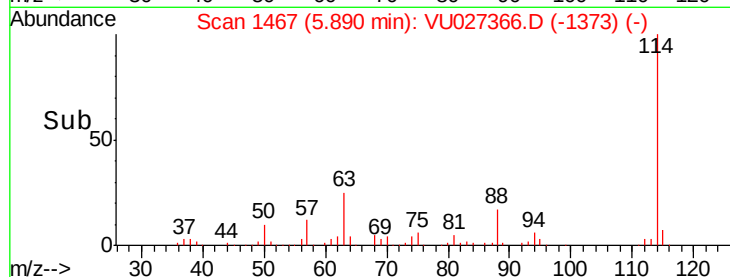
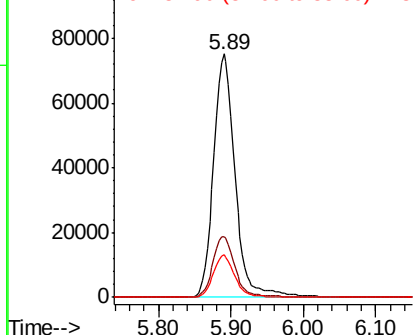
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027366.D
 Acq: 03 Oct 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBL01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	50.2
88	17.4	0.0	33.8

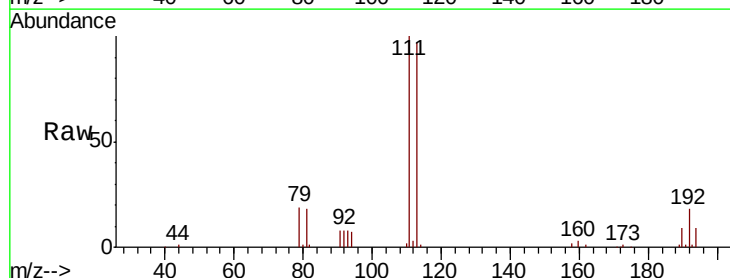


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

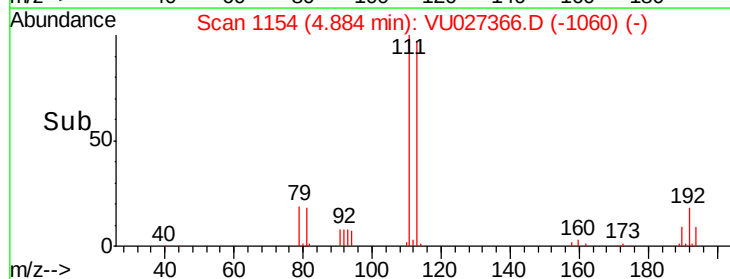
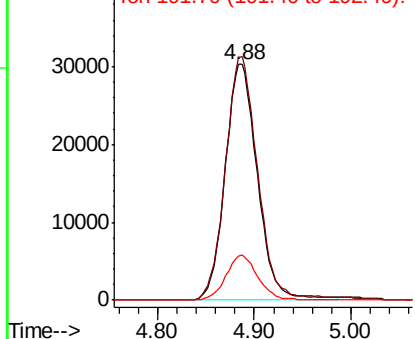


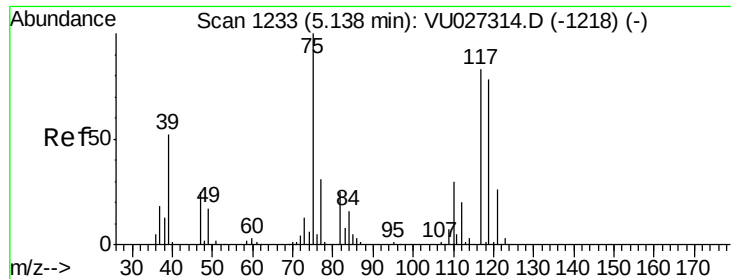
#35
 Dibromofluoromethane
 Concen: 65.987 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027366.D
 Acq: 03 Oct 2018 19:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	18.7	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

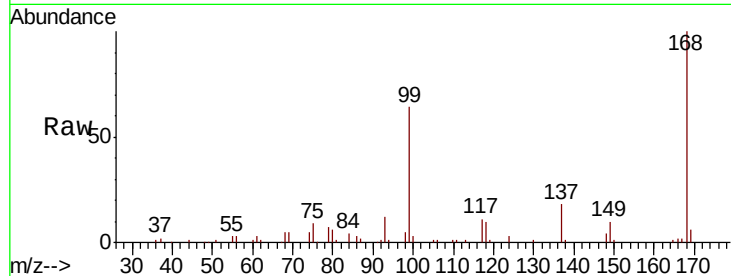




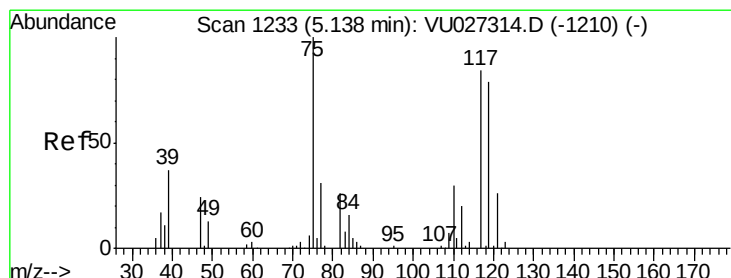
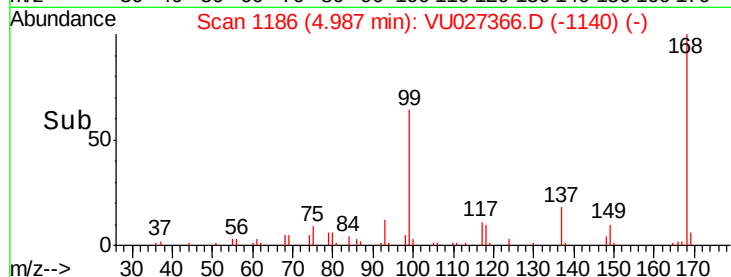
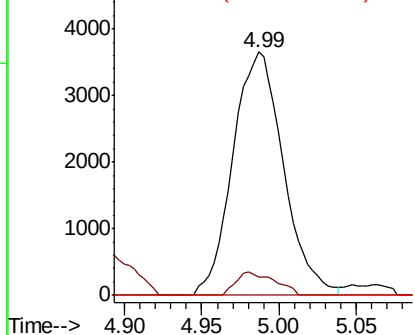
#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027366.D
 Acq: 03 Oct 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBL01

Tgt Ion: 75 Resp: 8295
 Ion Ratio Lower Upper
 75 100
 110 7.4 15.5 46.5#
 77 0.0 25.4 38.0#

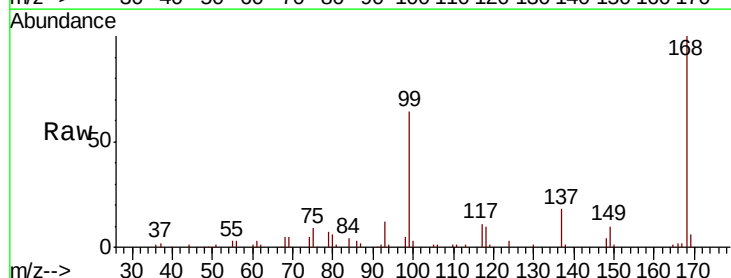


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

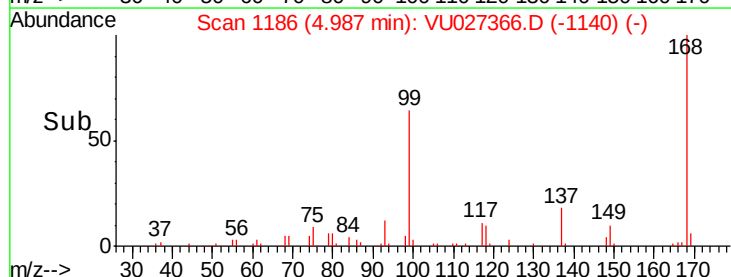
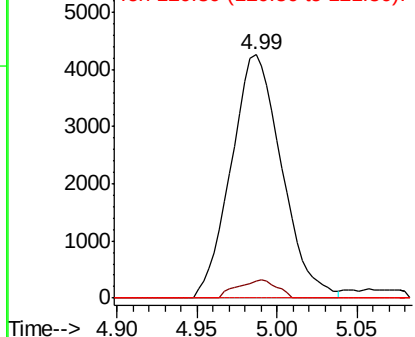


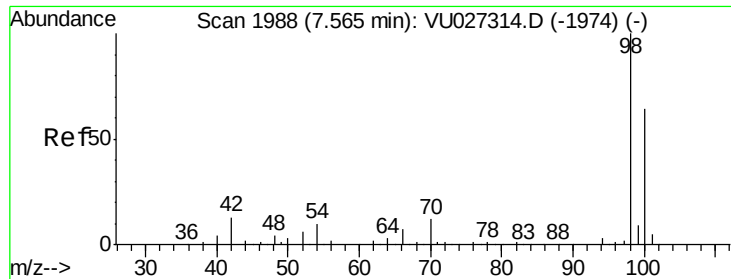
#38
 Carbon Tetrachloride
 Concen: 6.043 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027366.D
 Acq: 03 Oct 2018 19:33

Tgt Ion: 117 Resp: 9204
 Ion Ratio Lower Upper
 117 100
 119 7.0 74.5 111.7#
 121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

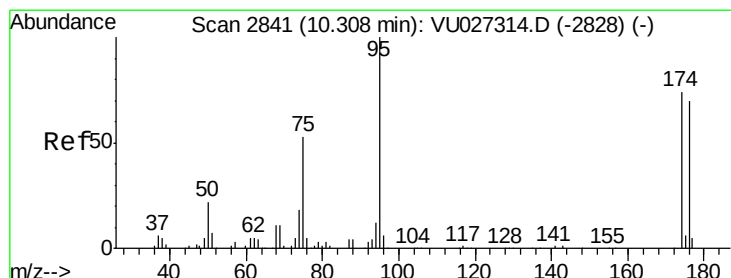
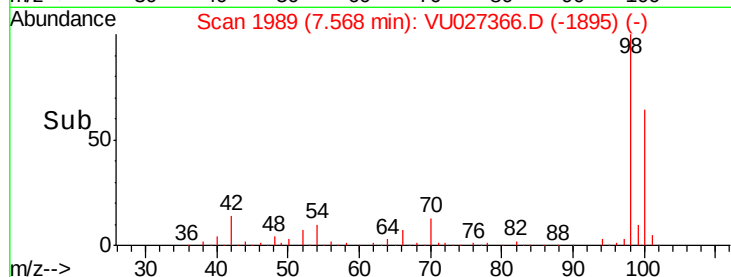
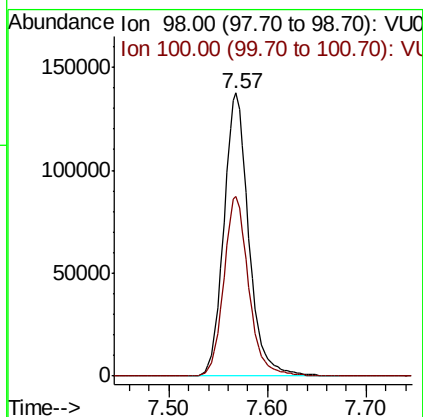
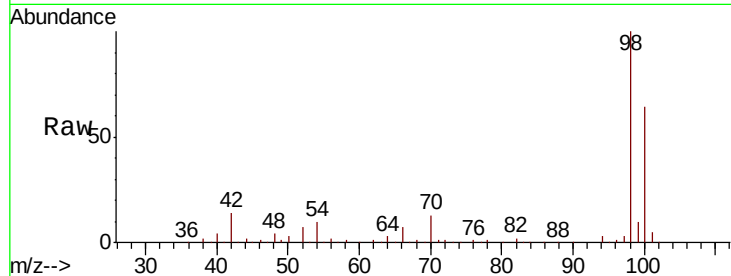




#50
Toluene-d8
Concen: 61.217 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027366.D
Acq: 03 Oct 2018 19:33

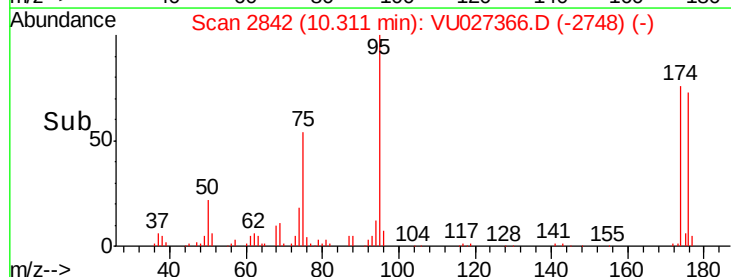
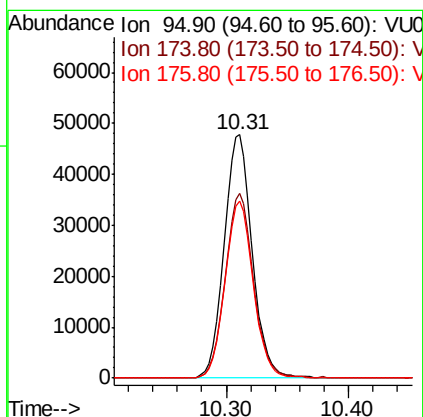
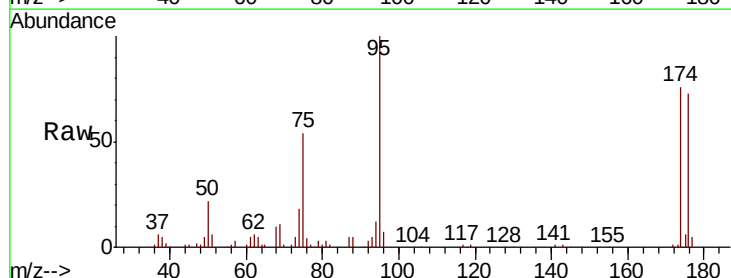
Instrument :
MSVOA_U
ClientSampleId :
VU1004WBL01

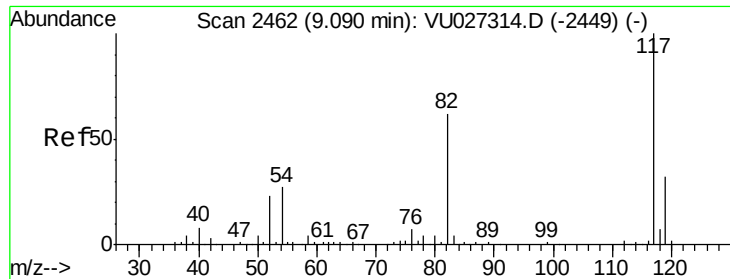
Tgt Ion: 98 Resp: 243831
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 52.125 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027366.D
Acq: 03 Oct 2018 19:33

Tgt Ion: 95 Resp: 77159
Ion Ratio Lower Upper
95 100
174 76.6 0.0 147.8
176 73.3 0.0 140.8

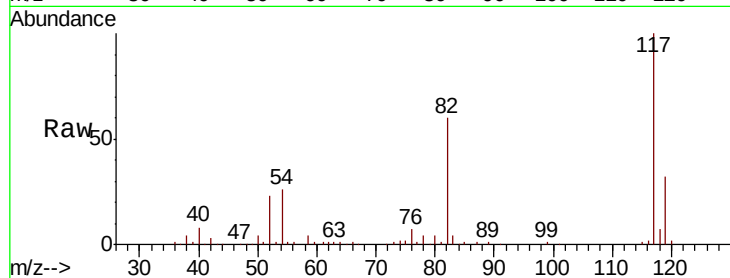




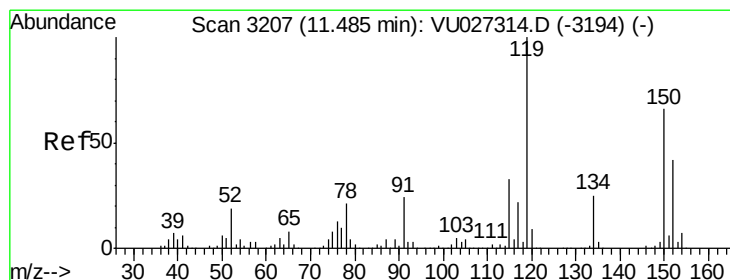
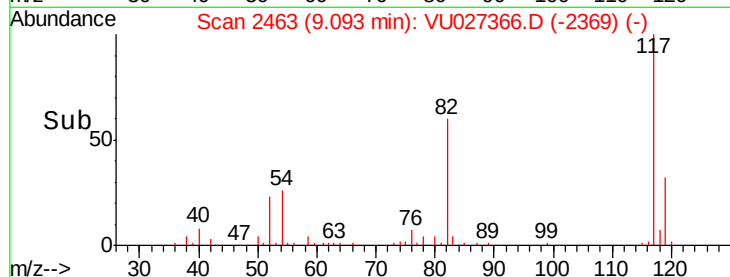
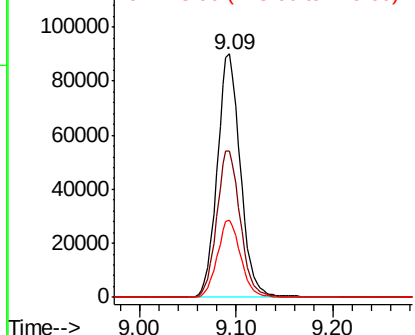
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027366.D
Acq: 03 Oct 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBL01

Tgt Ion:117 Resp: 149811
Ion Ratio Lower Upper
117 100
82 60.3 49.2 73.8
119 31.8 25.7 38.5

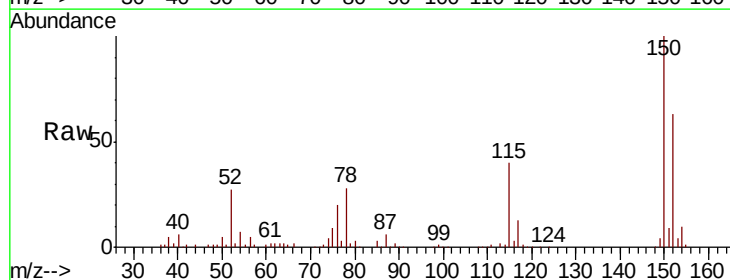


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

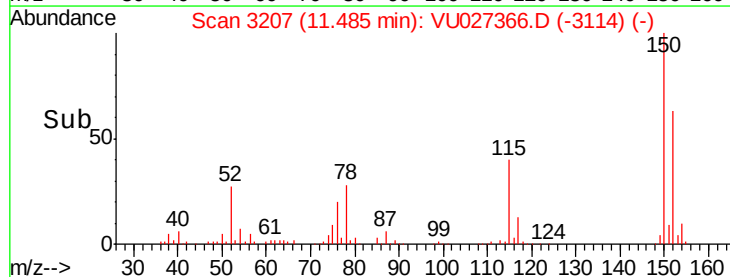
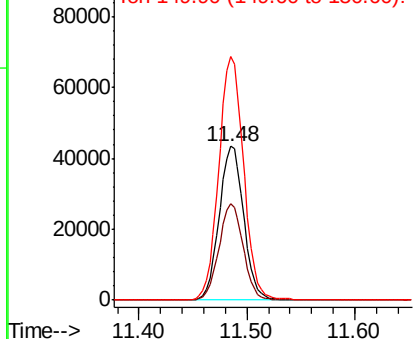


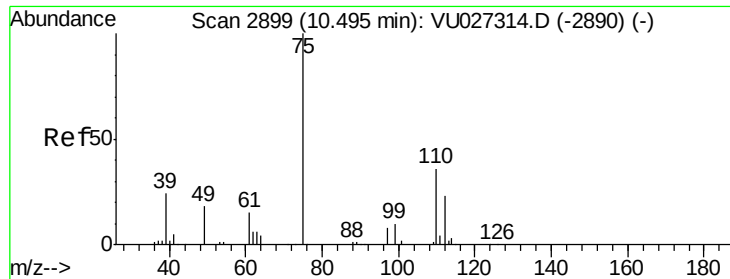
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027366.D
Acq: 03 Oct 2018 19:33

Tgt Ion:152 Resp: 68546
Ion Ratio Lower Upper
152 100
115 62.3 43.4 130.2
150 159.7 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: 23.371 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.18 min

Lab File: VU027366.D

Acq: 03 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

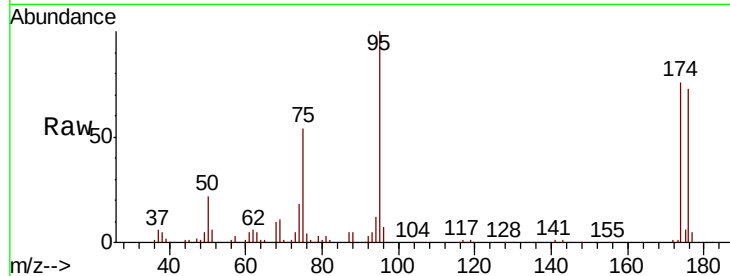
VU1004WBL01

Tgt Ion: 75 Resp: 41528

Ion Ratio Lower Upper

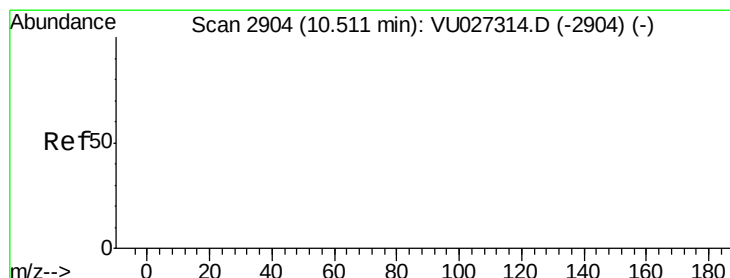
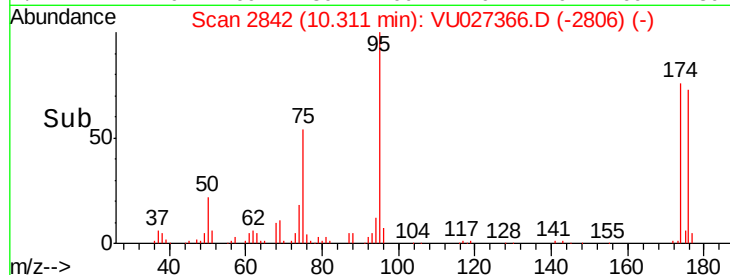
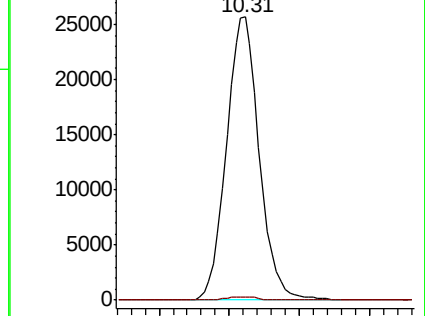
75 100

77 1.0 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: 61.166 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.20 min

Lab File: VU027366.D

Acq: 03 Oct 2018 19:33

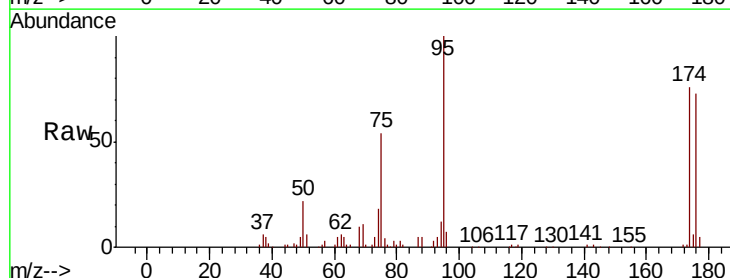
Tgt Ion: 75 Resp: 41528

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

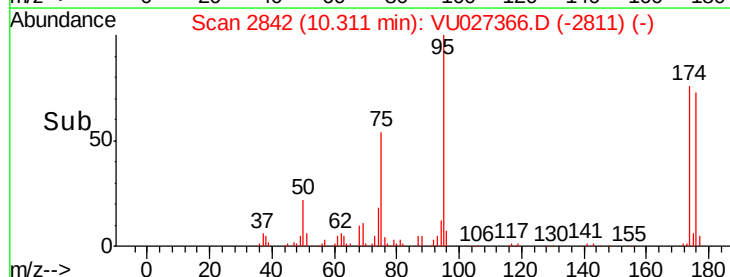
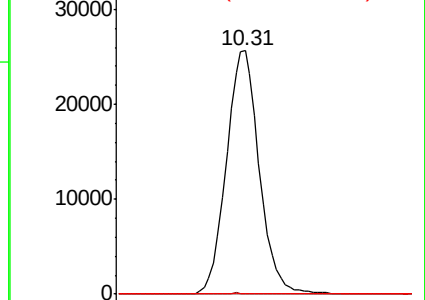
89 0.0 0.0 0.0

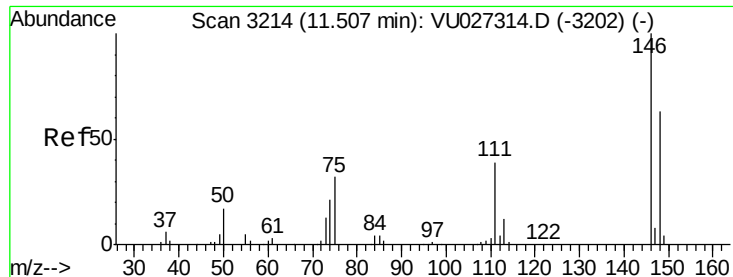


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

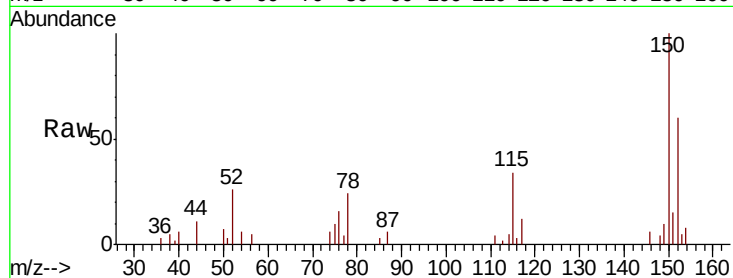




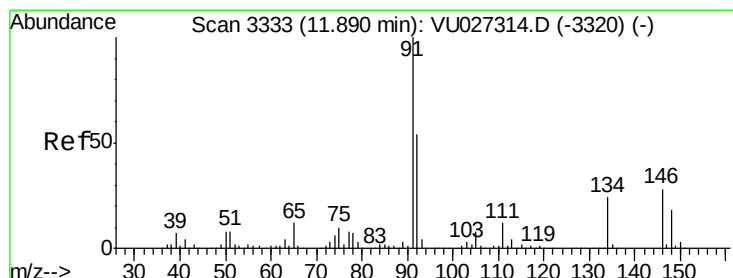
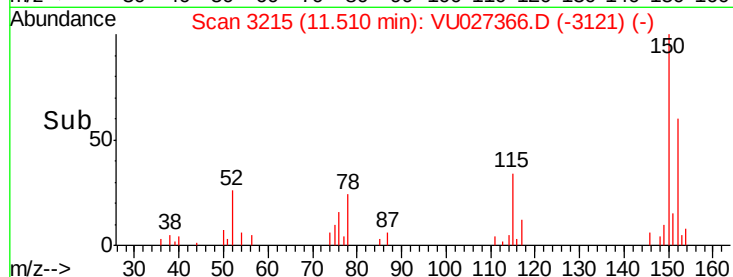
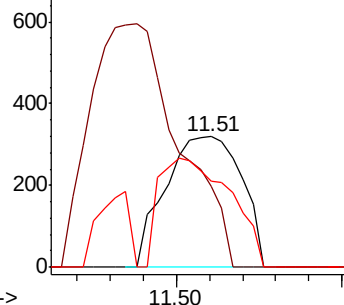
#88
 1,4-Dichlorobenzene
 Concen: 0.228 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027366.D
 Acq: 03 Oct 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBL01

Tgt Ion:146 Resp: 511
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.4 61.2#
 148 77.9 31.9 95.5

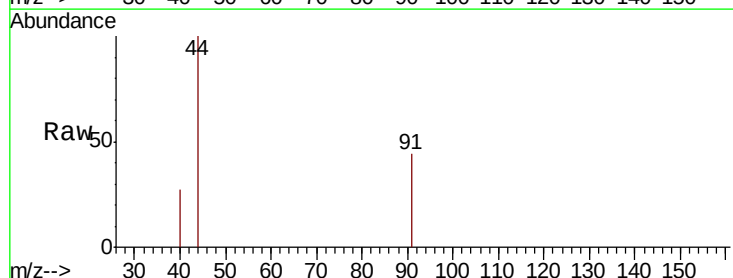


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

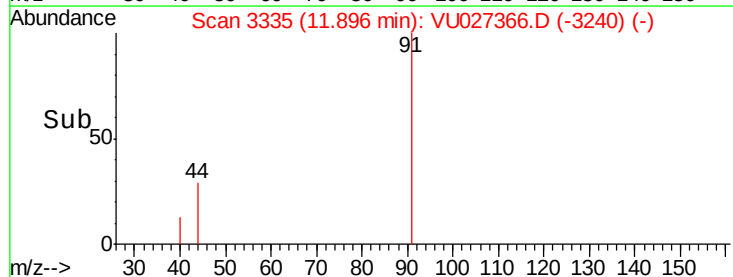
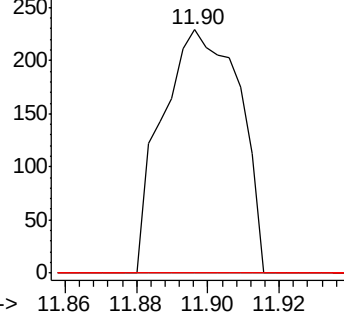


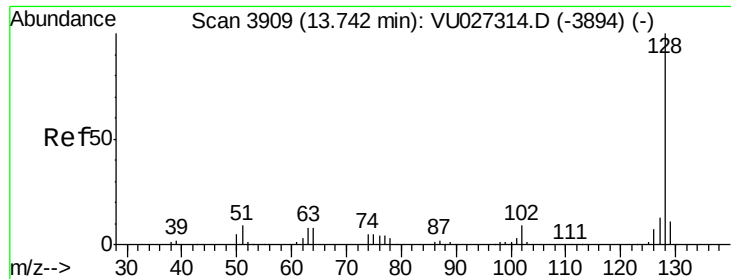
#89
 n-Butylbenzene
 Concen: 2.023 ug/l
 RT: 11.90 min Scan# 3335
 Delta R.T. 0.01 min
 Lab File: VU027366.D
 Acq: 03 Oct 2018 19:33

Tgt Ion: 91 Resp: 343
 Ion Ratio Lower Upper
 91 100
 92 0.0 27.0 81.0#
 134 0.0 11.7 35.1#



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 1.687 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU027366.D

Acq: 03 Oct 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBL01

Tgt Ion:128 Resp: 143

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

