

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
 Data File : VU028065.D
 Acq On : 12 Nov 2018 15:21
 Operator : MD/SY
 Sample : J5885-03DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-1DL

Quant Time: Nov 13 02:45:27 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

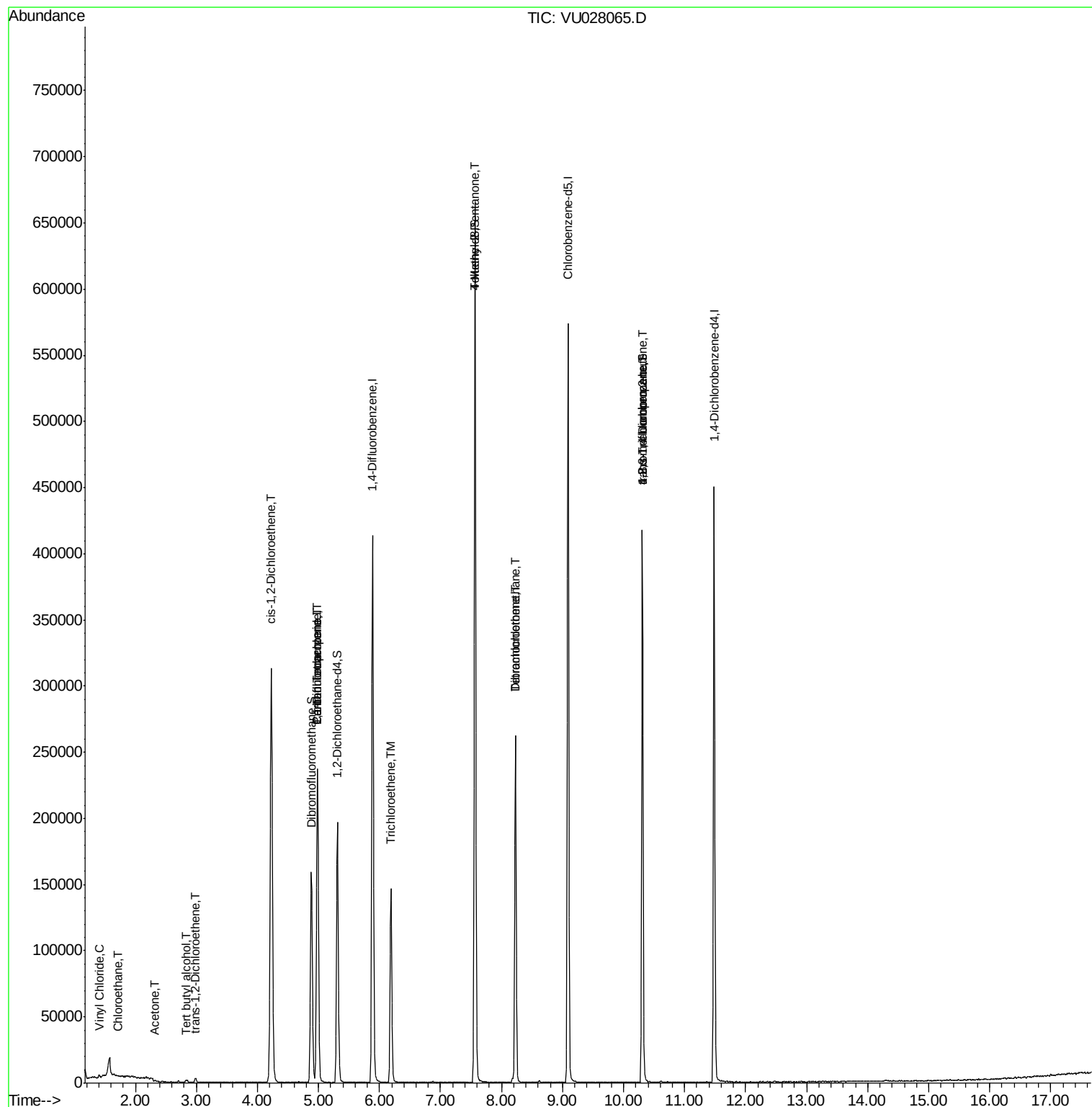
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	173155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	324645	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	112029	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	149651	58.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.26%	
35) Dibromofluoromethane	4.88	113	108079	52.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.60%	
50) Toluene-d8	7.57	98	424460	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.36%	
62) 4-Bromofluorobenzene	10.31	95	136933	46.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.90%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	1025	0.388	ug/l	95
6) Chloroethane	1.72	64	324	0.213	ug/l #	42
11) Tert butyl alcohol	2.84	59	1140	1.673	ug/l #	73
13) Acrolein	2.18	56	23	Below Cal	#	15
16) Acetone	2.32	43	810	0.507	ug/l #	44
21) trans-1,2-Dichloroethene	2.99	96	1319	0.630	ug/l #	87
27) cis-1,2-Dichloroethene	4.23	96	166858	71.048	ug/l	91
31) Cyclohexane	4.98	56	4240	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	15683	4.612	ug/l #	49
38) Carbon Tetrachloride	4.99	117	17331	5.752	ug/l #	16
44) Trichloroethene	6.19	130	48708	21.798	ug/l	93
51) 4-Methyl-2-Pentanone	7.56	43	2386	0.458	ug/l #	1
60) Dibromochloromethane	8.23	129	54472	23.152	ug/l #	10
64) Tetrachloroethene	8.23	164	56293	29.843	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	73028	23.832	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	73028	59.453	ug/l #	100

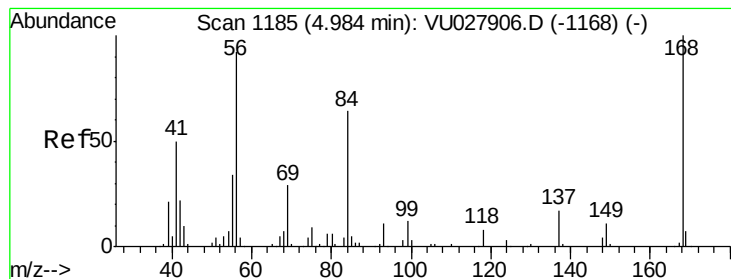
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028065.D

Acq: 12 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

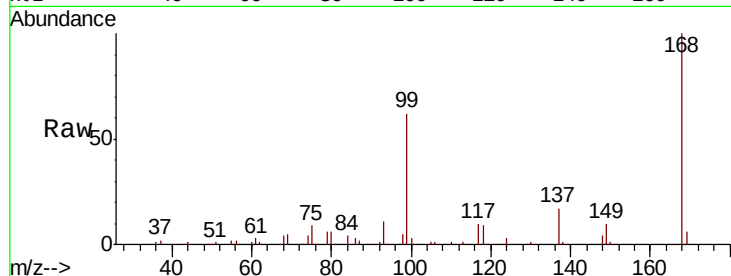
RW-1DL

Tot Ion:168 Resp: 173155

Ion Ratio Lower Upper

168 100

99 62.0 47.9 71.9



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

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

4.99

80000

60000

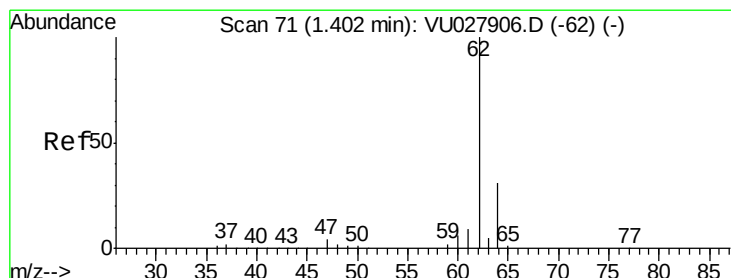
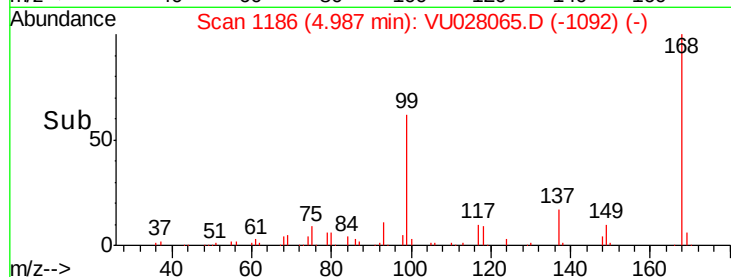
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#4

Vinyl Chloride

Concen: 0.388 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028065.D

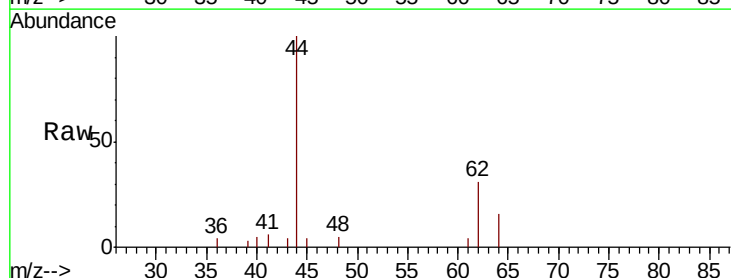
Acq: 12 Nov 2018 15:21

Tgt Ion: 62 Resp: 1025

Ion Ratio Lower Upper

62 100

64 34.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)

1.41

1200

1000

800

600

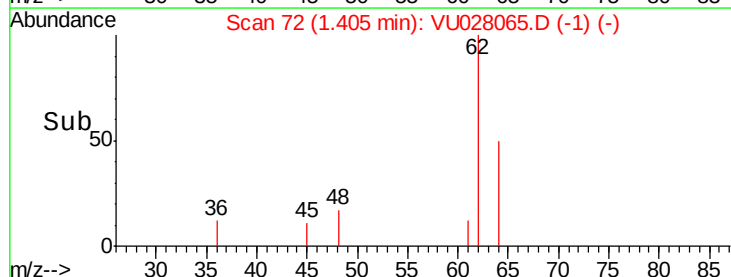
400

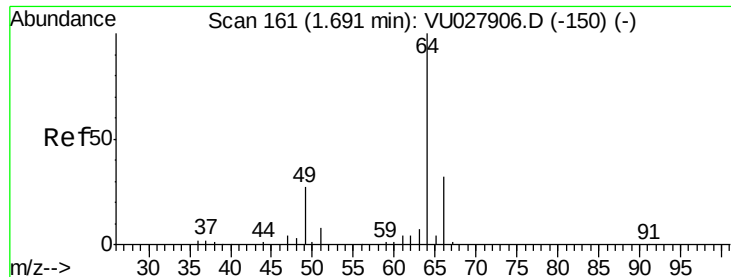
200

0

1.38 1.40 1.42

Time-->





#6

Chloroethane

Concen: 0.213 ug/l

RT: 1.72 min Scan# 169

Delta R.T. 0.03 min

Lab File: VU028065.D

Acq: 12 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

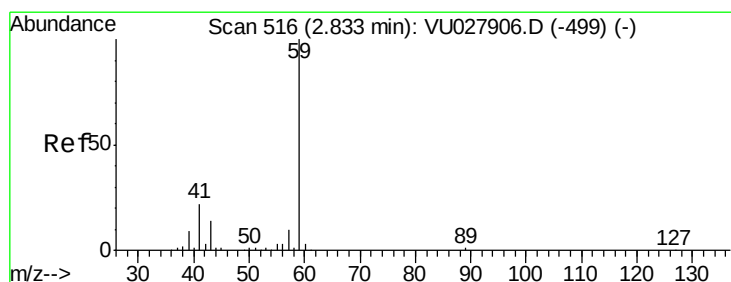
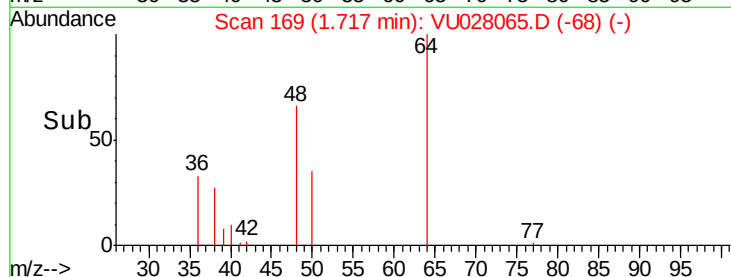
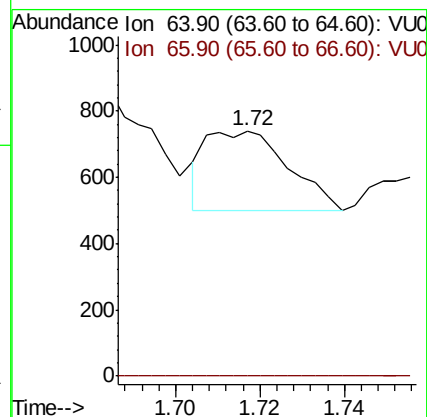
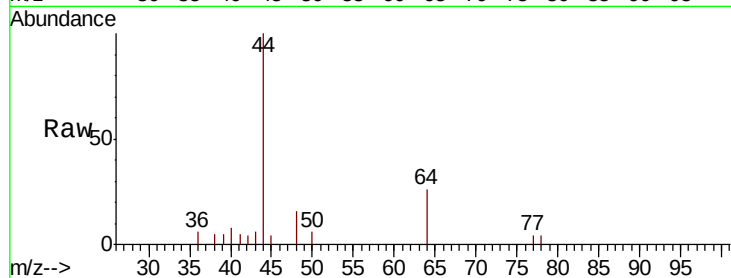
RW-1DL

Tot Ion: 64 Resp: 324

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



#11

Tert butyl alcohol

Concen: 1.673 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU028065.D

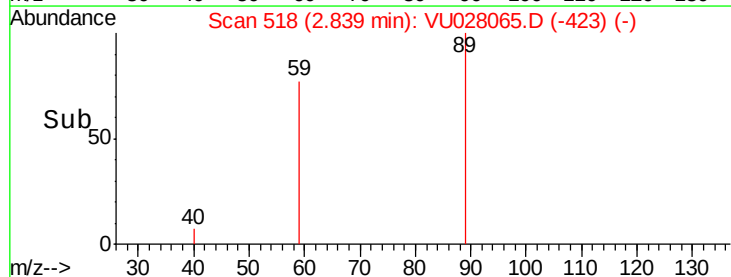
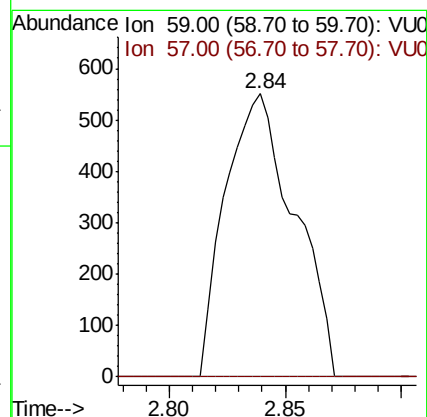
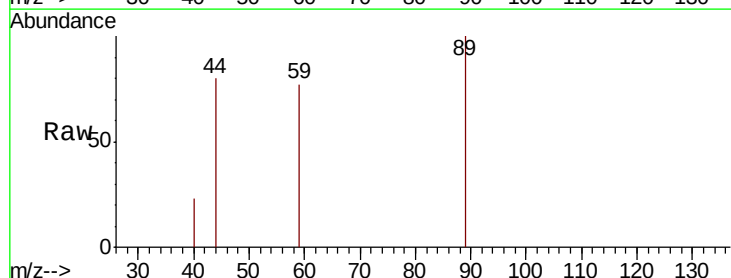
Acq: 12 Nov 2018 15:21

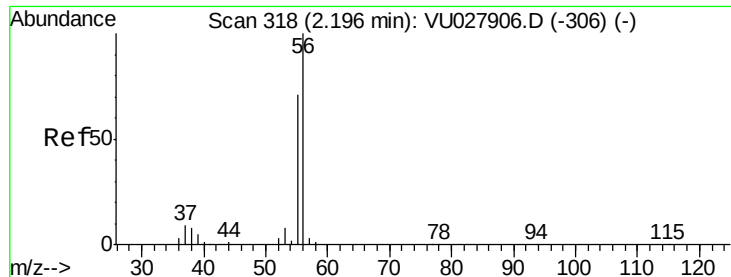
Tgt Ion: 59 Resp: 1140

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#13

Acrolein

Concen: Below Cal

RT: 2.18 min Scan# 313

Delta R.T. -0.02 min

Lab File: VU028065.D

Acq: 12 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

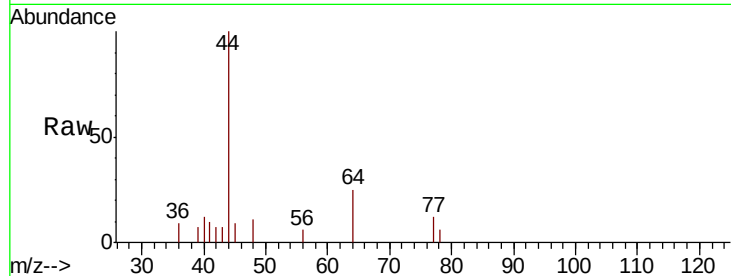
RW-1DL

Tot Ion: 56 Resp: 23

Ion Ratio Lower Upper

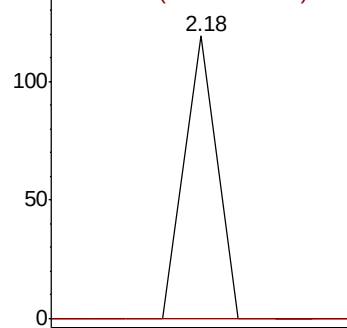
56 100

55 0.0 56.2 84.4#

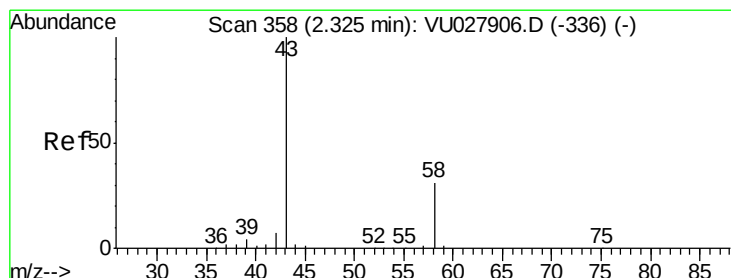
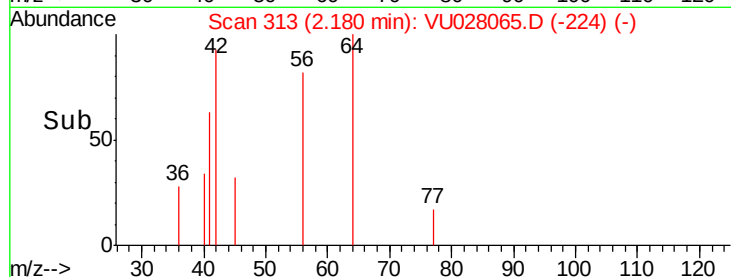


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#16

Acetone

Concen: 0.507 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028065.D

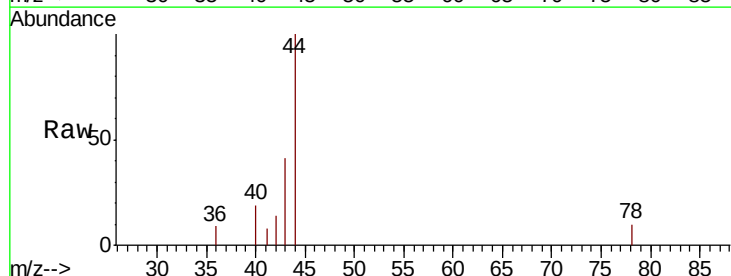
Acq: 12 Nov 2018 15:21

Tgt Ion: 43 Resp: 810

Ion Ratio Lower Upper

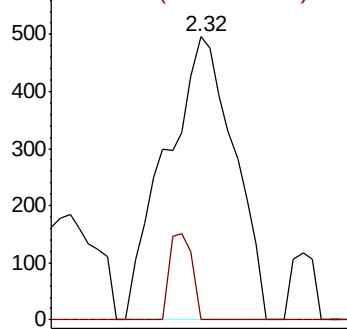
43 100

58 0.0 24.6 37.0#

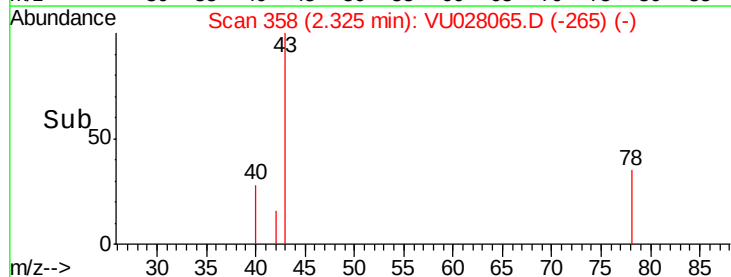


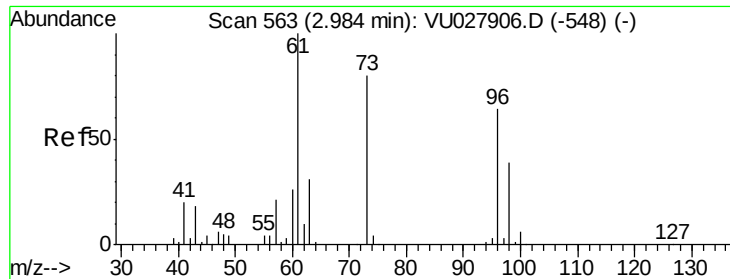
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.630 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028065.D

Acq: 12 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

RW-1DL

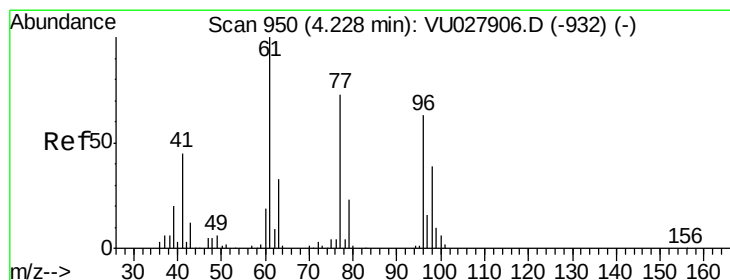
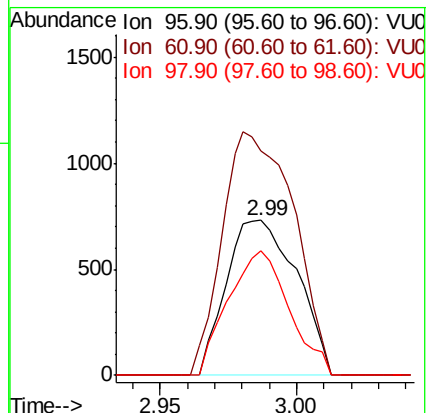
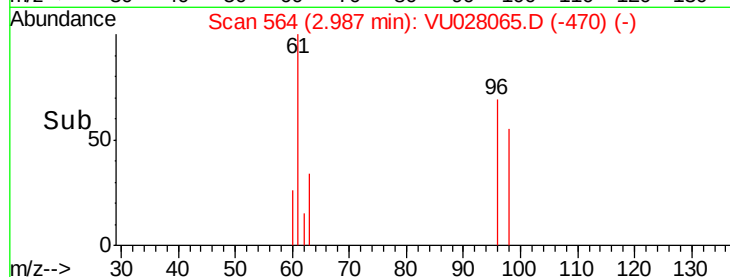
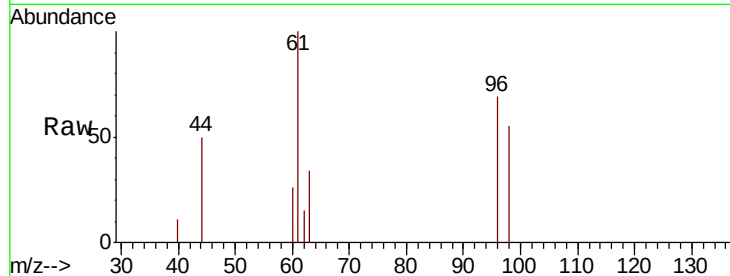
Tot Ion: 96 Resp: 1319

Ion Ratio Lower Upper

96 100

61 145.3 125.0 187.6

98 80.4 48.2 72.4#



#27

cis-1,2-Dichloroethene

Concen: 71.048 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028065.D

Acq: 12 Nov 2018 15:21

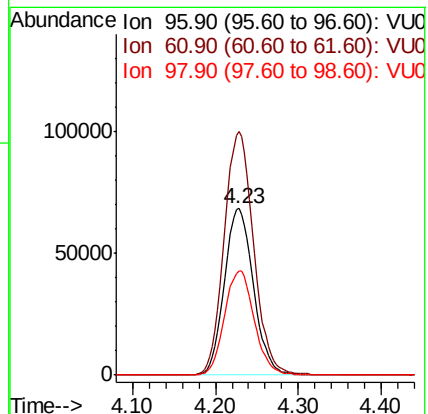
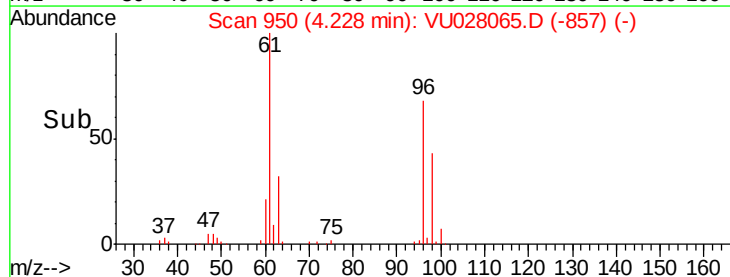
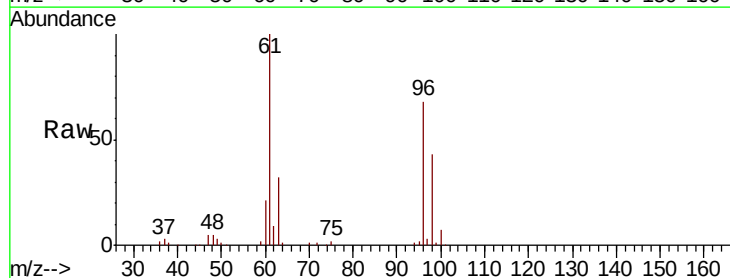
Tgt Ion: 96 Resp: 166858

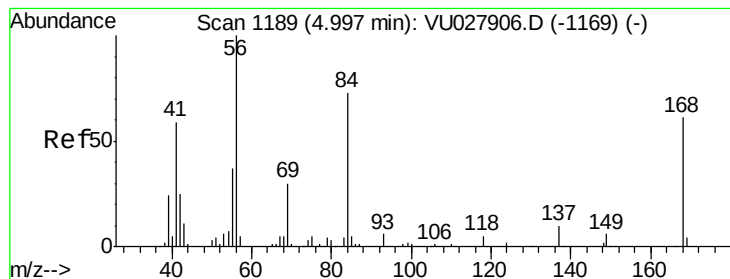
Ion Ratio Lower Upper

96 100

61 148.2 0.0 329.6

98 64.0 0.0 127.2





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028065.D

Acq: 12 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleID :

RW-1DL

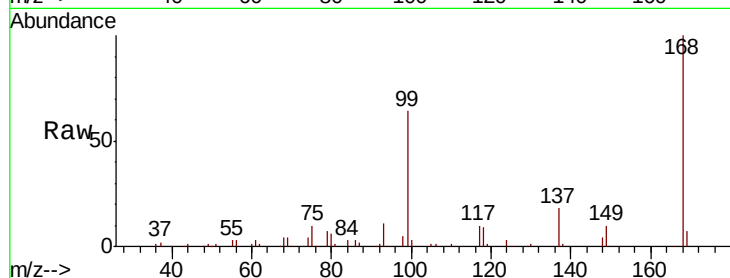
Tot Ion: 56 Resp: 4240

Ion Ratio Lower Upper

56 100

69 149.6 23.7 35.5#

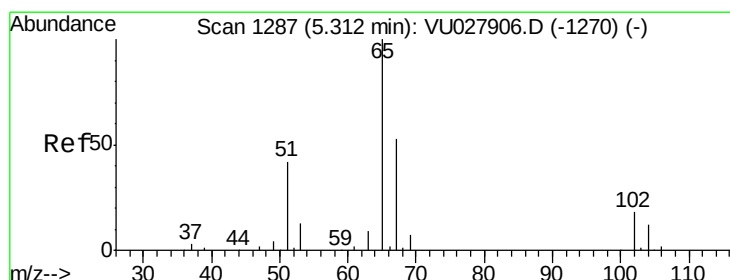
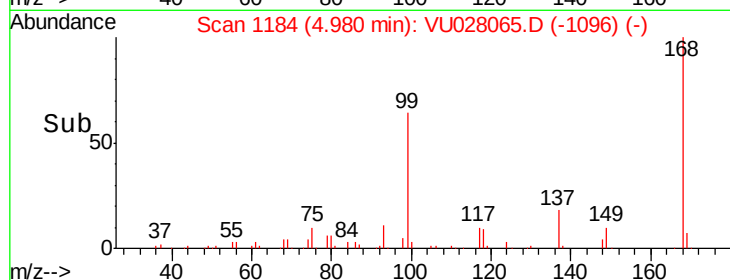
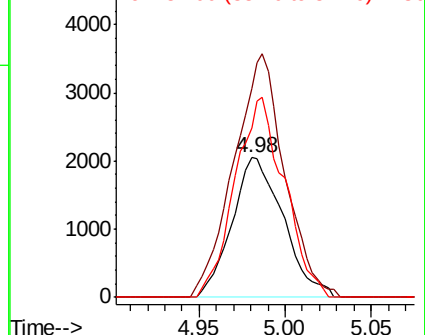
84 121.2 58.2 87.4#



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

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

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



#33

1,2-Dichloroethane-d4

Concen: 58.131 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028065.D

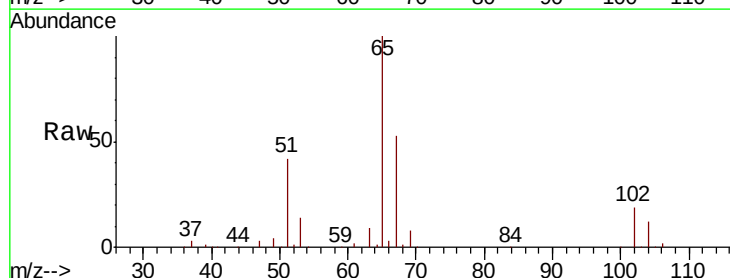
Acq: 12 Nov 2018 15:21

Tgt Ion: 65 Resp: 149651

Ion Ratio Lower Upper

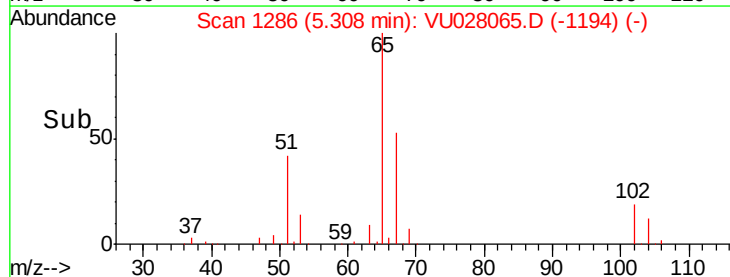
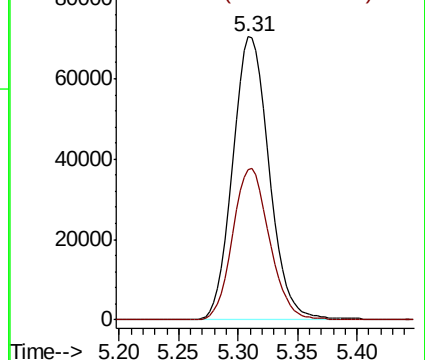
65 100

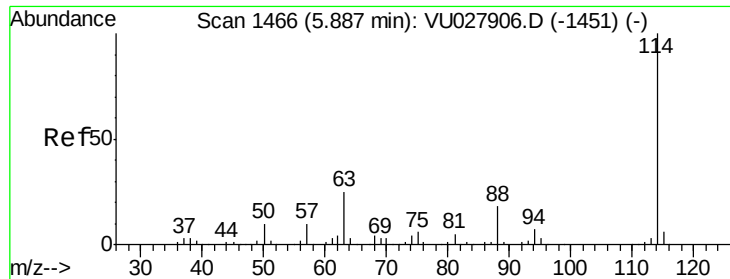
67 54.2 0.0 109.0



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

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

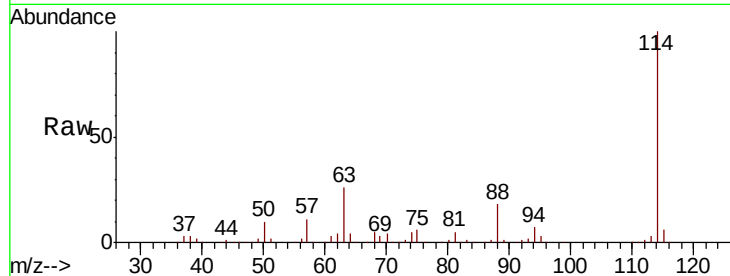




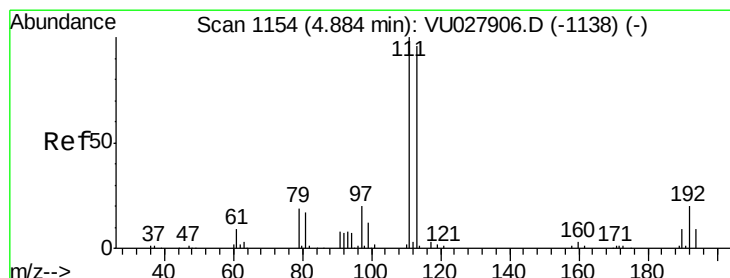
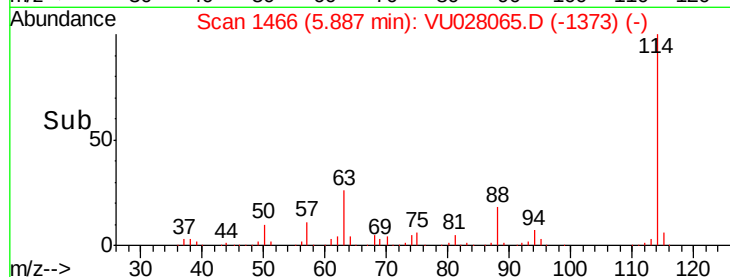
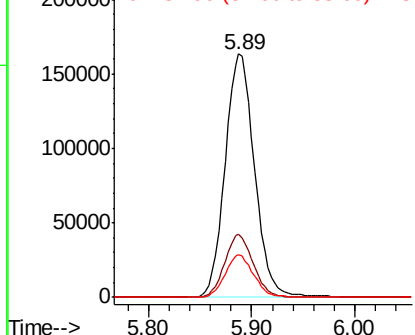
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028065.D
 Acq: 12 Nov 2018 15:21

Instrument :
 MSVOA_U
 ClientSampled :
 RW-1DL

Tot Ion:114 Resp: 324645
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 50.8
 88 17.6 0.0 35.8

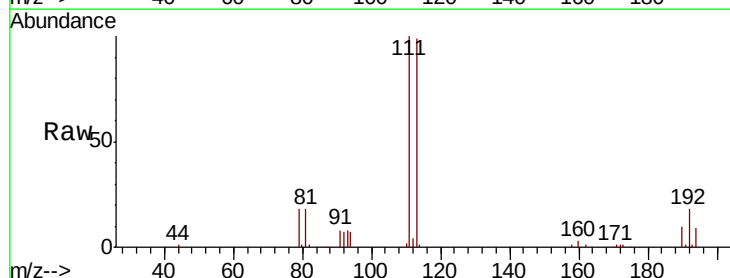


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

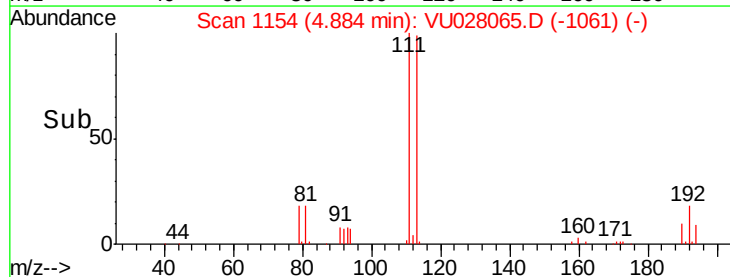
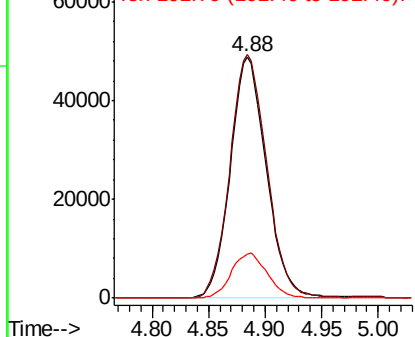


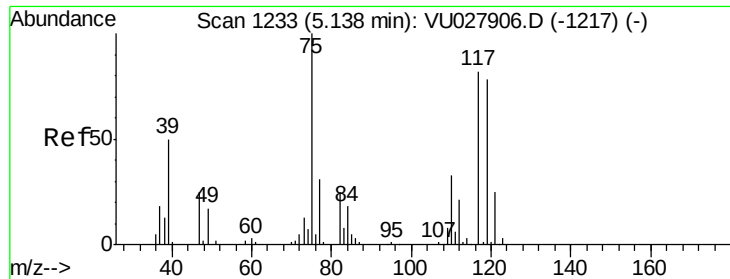
#35
 Dibromofluoromethane
 Concen: 52.800 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028065.D
 Acq: 12 Nov 2018 15:21

Tgt Ion:113 Resp: 108079
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.0 124.6
 192 18.7 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

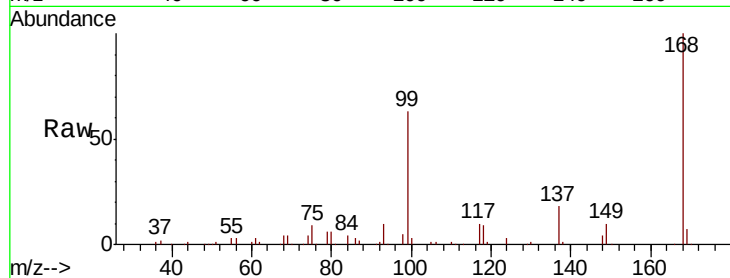




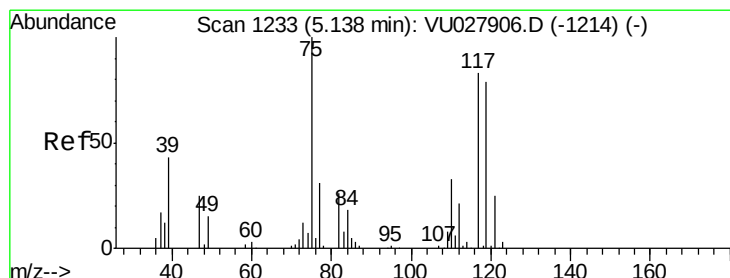
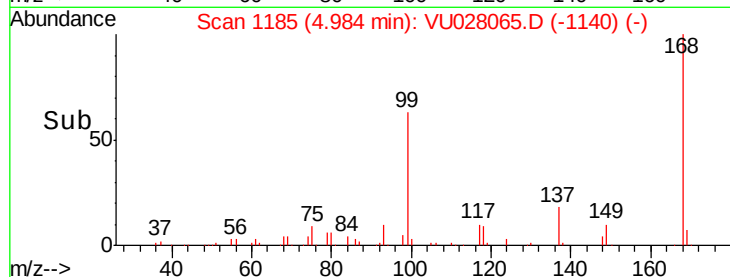
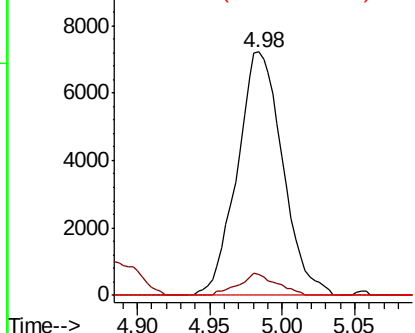
#36
 1,1-Dichloropropene
 Concen: 4.612 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028065.D
 Acq: 12 Nov 2018 15:21

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-1DL

Tot Ion: 75 Resp: 15683
 Ion Ratio Lower Upper
 75 100
 110 7.6 16.5 49.5#
 77 0.0 24.9 37.3#

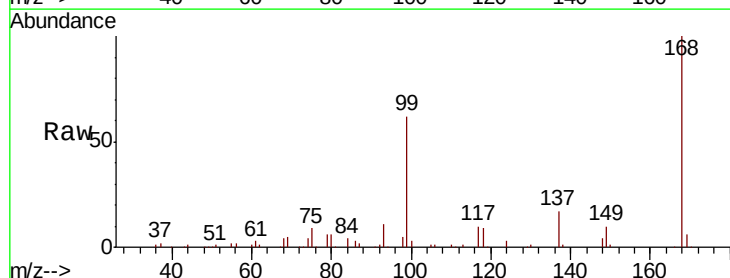


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

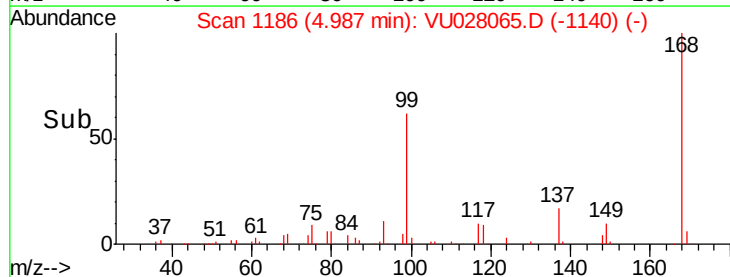
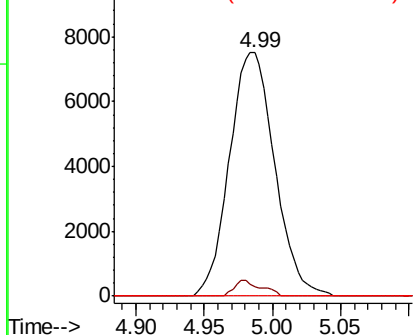


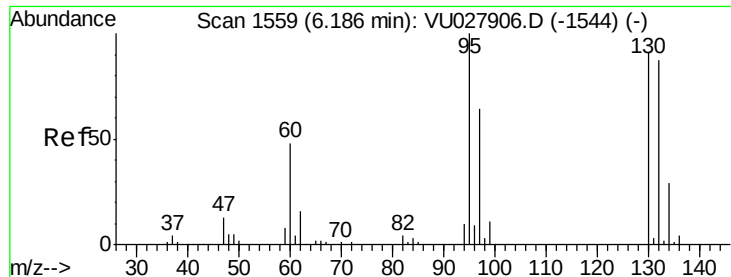
#38
 Carbon Tetrachloride
 Concen: 5.752 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028065.D
 Acq: 12 Nov 2018 15:21

Tgt Ion: 117 Resp: 17331
 Ion Ratio Lower Upper
 117 100
 119 4.1 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

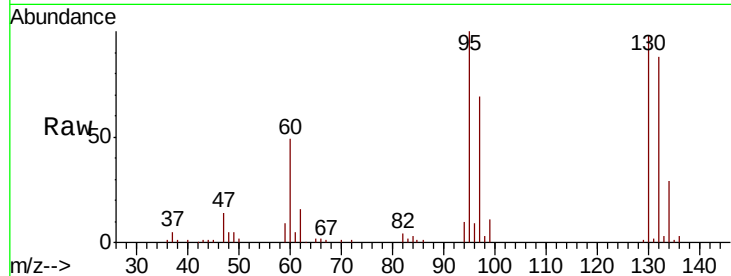




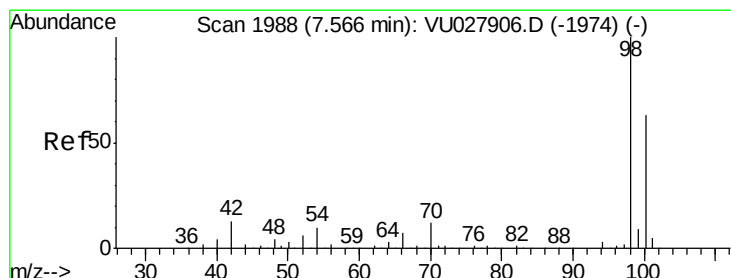
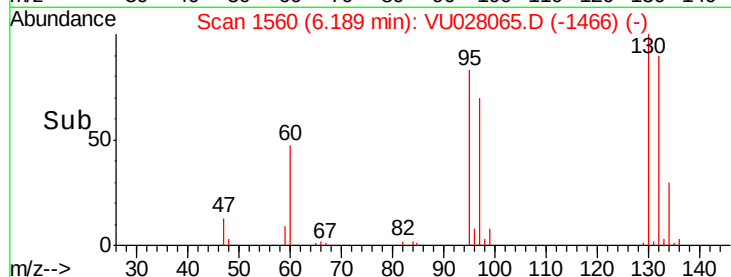
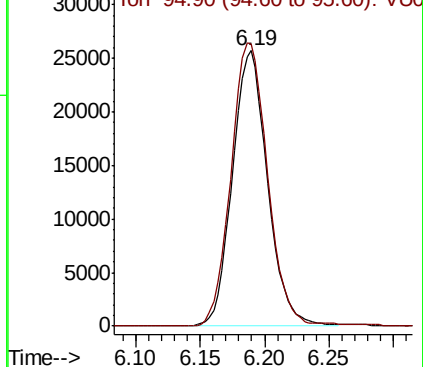
#44
 Trichloroethene
 Concen: 21.798 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU028065.D
 Acq: 12 Nov 2018 15:21

Instrument :
 MSVOA_U
 ClientSampleId :
 RW-1DL

Tot Ion:130 Resp: 48708
 Ion Ratio Lower Upper
 130 100
 95 102.3 0.0 219.2

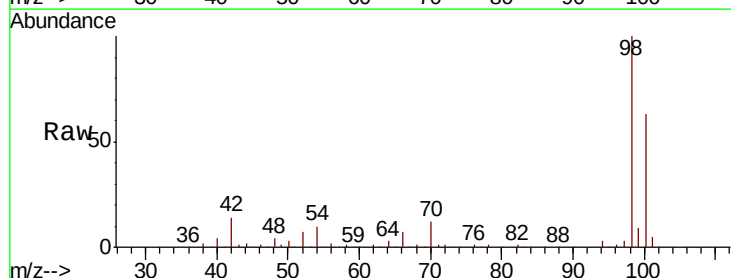


Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)
 Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)

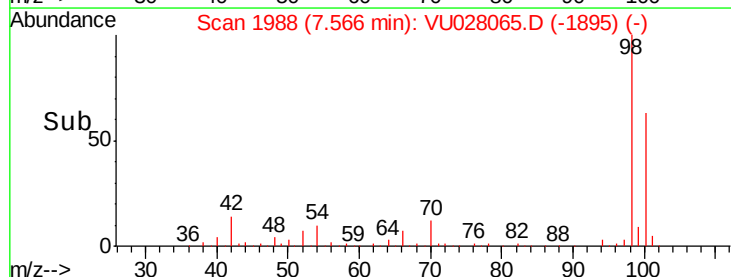
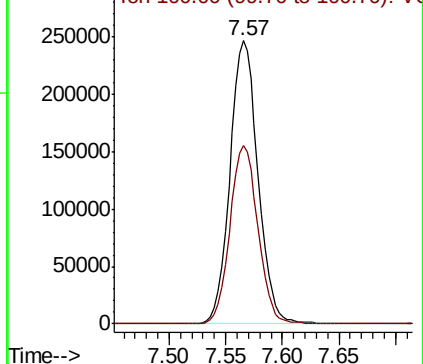


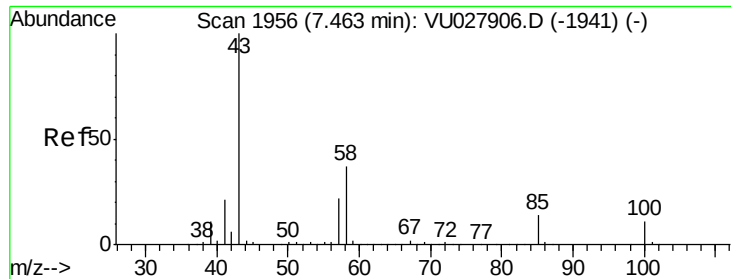
#50
 Toluene-d8
 Concen: 53.681 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VU028065.D
 Acq: 12 Nov 2018 15:21

Tgt Ion: 98 Resp: 424460
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)
 Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.458 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU028065.D

Acq: 12 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampleId :

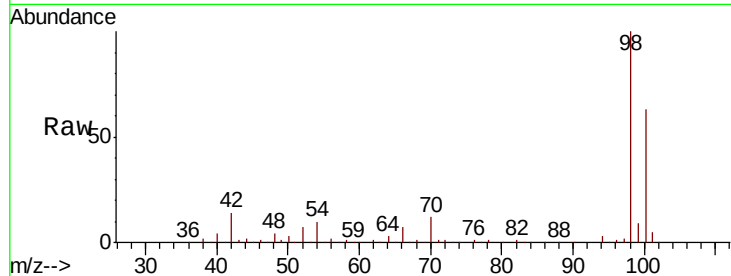
RW-1DL

Tot Ion: 43 Resp: 2386

Ion Ratio Lower Upper

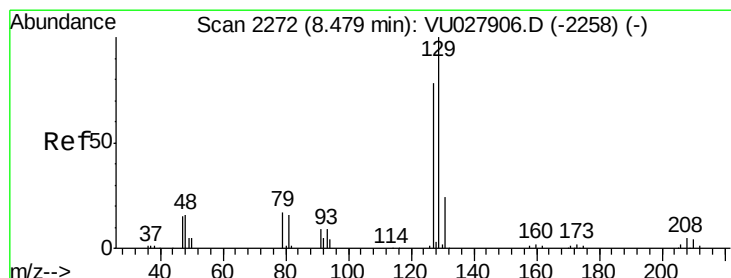
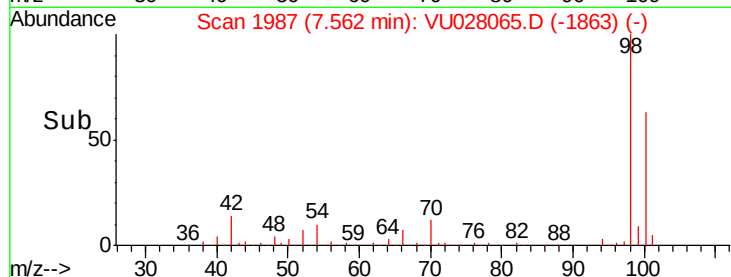
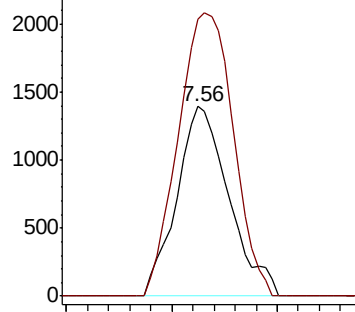
43 100

58 158.5 29.5 44.3#



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

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



#60

Dibromochloromethane

Concen: 23.152 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028065.D

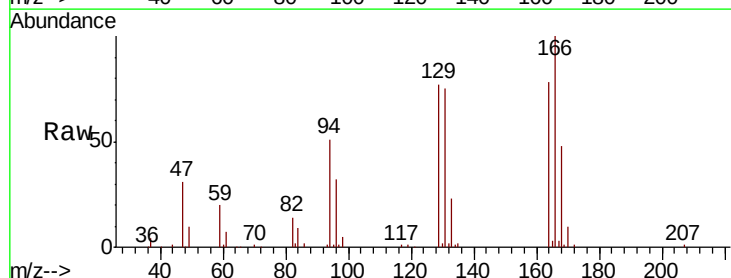
Acq: 12 Nov 2018 15:21

Tgt Ion:129 Resp: 54472

Ion Ratio Lower Upper

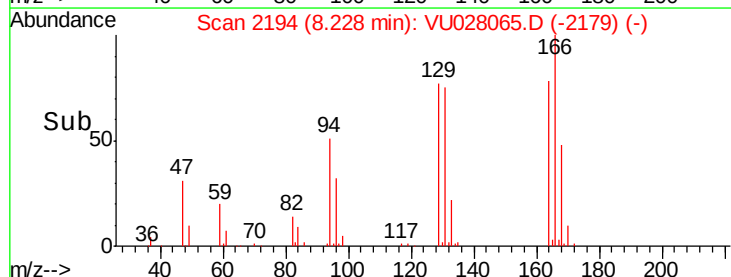
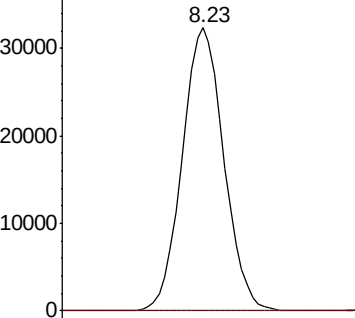
129 100

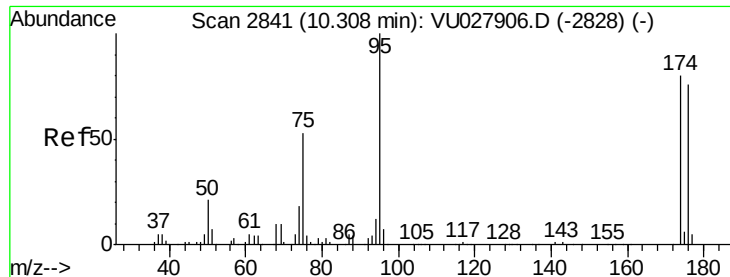
127 0.0 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): VU027906.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU027906.D (-2258) (-)

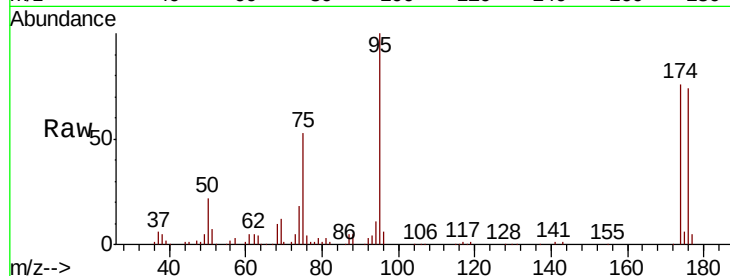




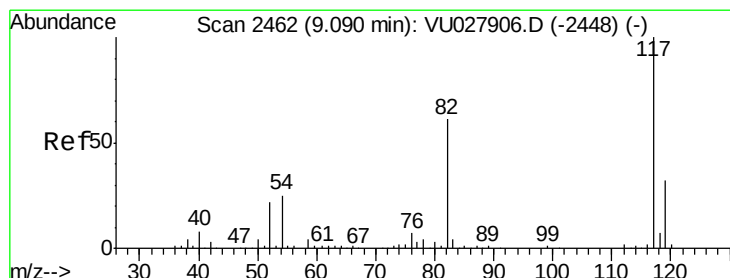
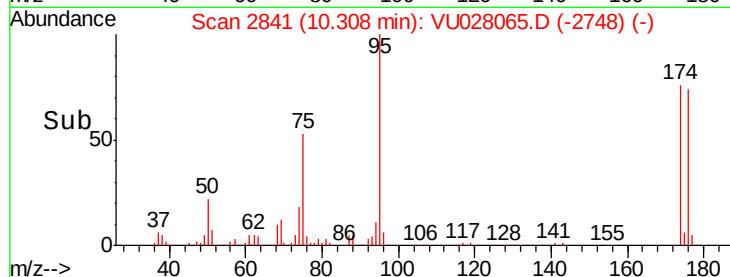
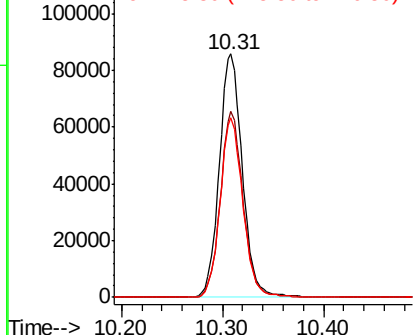
#62
4-Bromofluorobenzene
Concen: 46.951 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028065.D
Acq: 12 Nov 2018 15:21

Instrument :
MSVOA_U
ClientSampleId :
RW-1DL

Tot Ion: 95 Resp: 136933
Ion Ratio Lower Upper
95 100
174 74.9 0.0 156.4
176 72.8 0.0 150.8

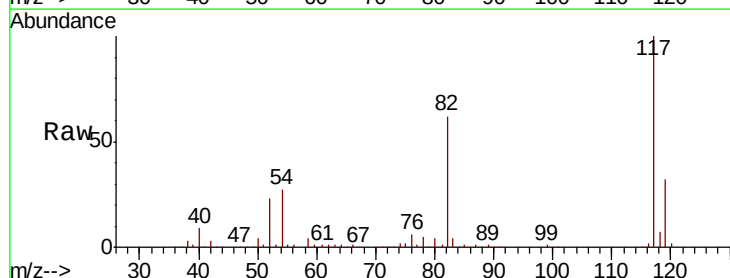


Abundance Ion 94.90 (94.60 to 95.60): VU027906.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU027906.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU027906.D (-2828) (-)

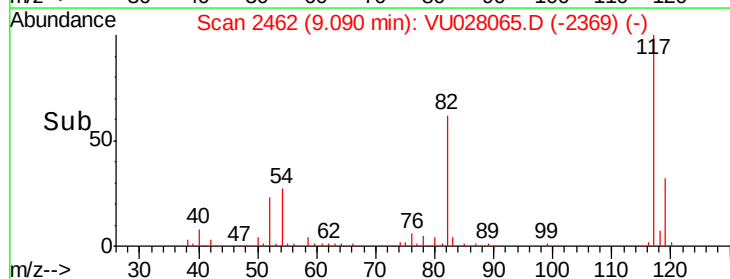
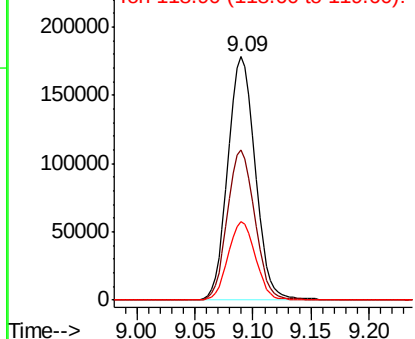


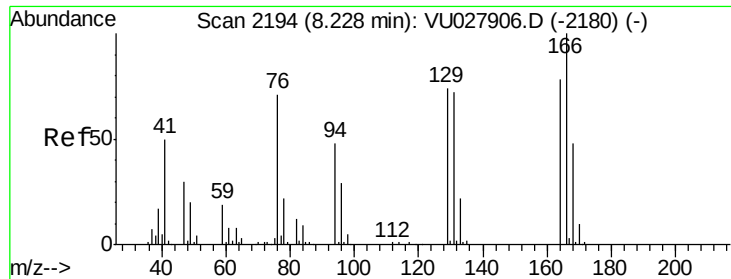
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028065.D
Acq: 12 Nov 2018 15:21

Tgt Ion: 117 Resp: 290904
Ion Ratio Lower Upper
117 100
82 61.6 48.6 73.0
119 32.2 25.8 38.8



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

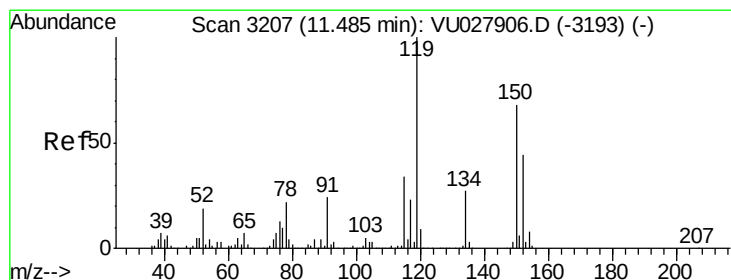
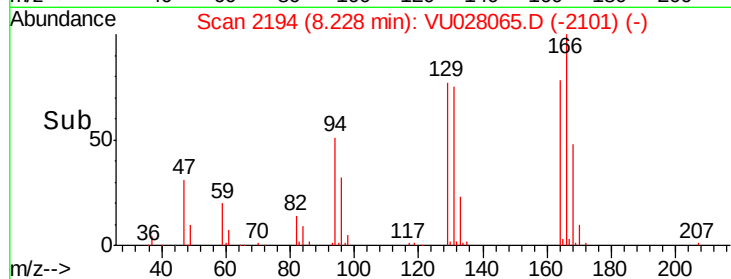
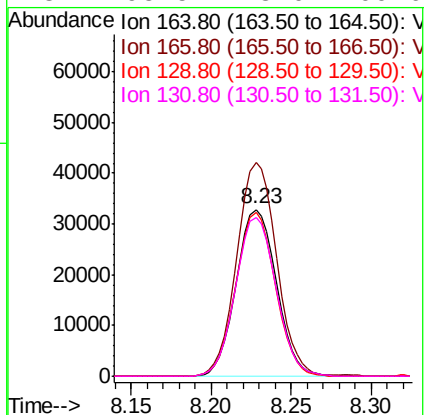
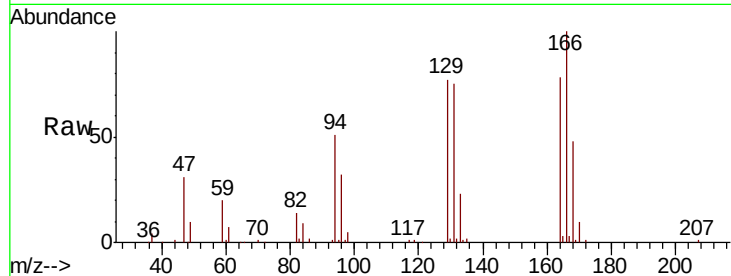




#64
Tetrachloroethene
Concen: 29.843 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028065.D
Acq: 12 Nov 2018 15:21

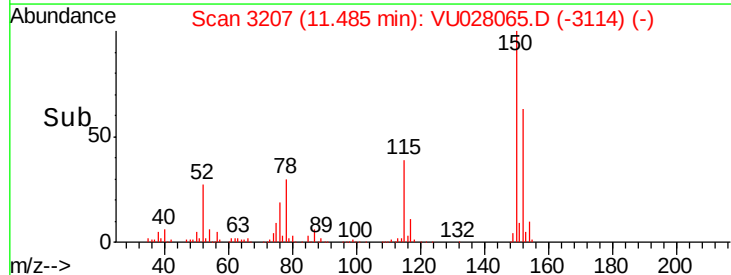
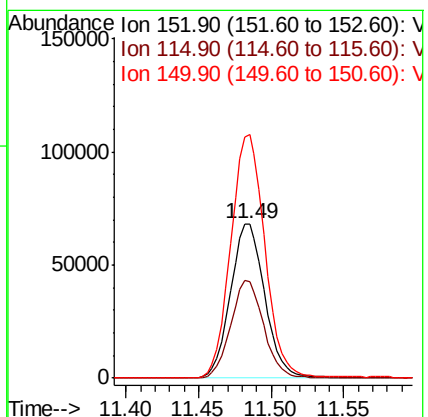
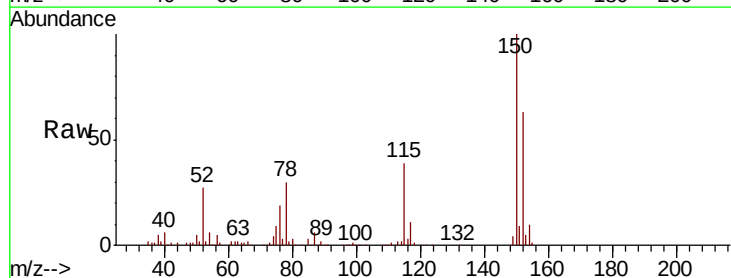
Instrument :
MSVOA_U
ClientSampleId :
RW-1DL

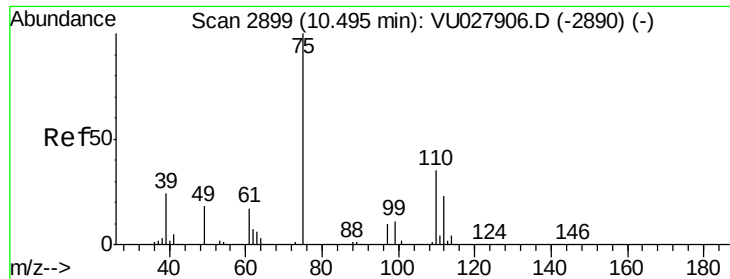
Tot Ion:164 Resp: 56293
Ion Ratio Lower Upper
164 100
166 128.0 102.1 153.1
129 98.4 75.9 113.9
131 95.5 73.0 109.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU028065.D
Acq: 12 Nov 2018 15:21

Tgt Ion:152 Resp: 112029
Ion Ratio Lower Upper
152 100
115 61.0 43.0 129.0
150 156.6 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 23.832 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028065.D

Acq: 12 Nov 2018 15:21

Instrument :

MSVOA_U

ClientSampled :

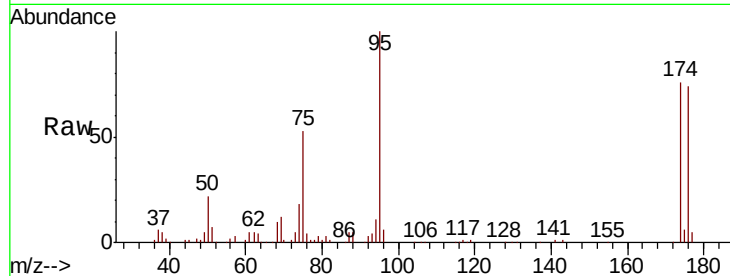
RW-1DL

Tot Ion: 75 Resp: 73028

Ion Ratio Lower Upper

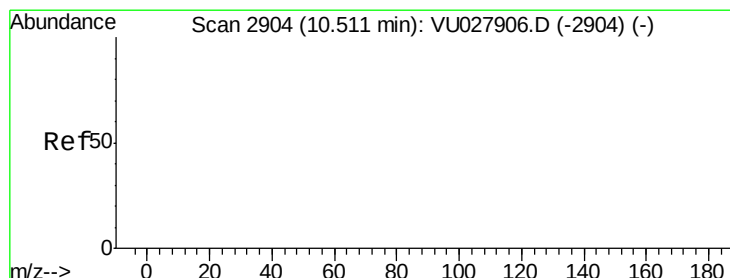
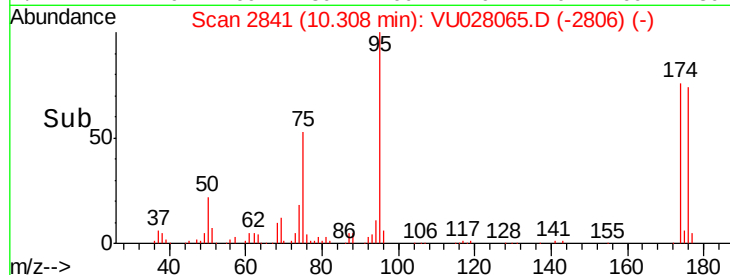
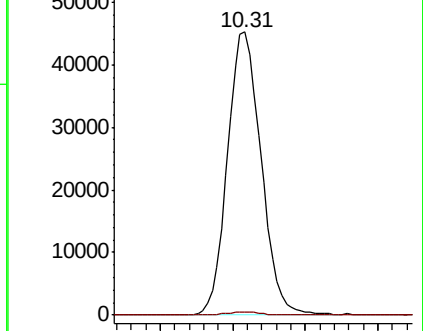
75 100

77 1.2 21.6 64.6#



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: 59.453 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028065.D

Acq: 12 Nov 2018 15:21

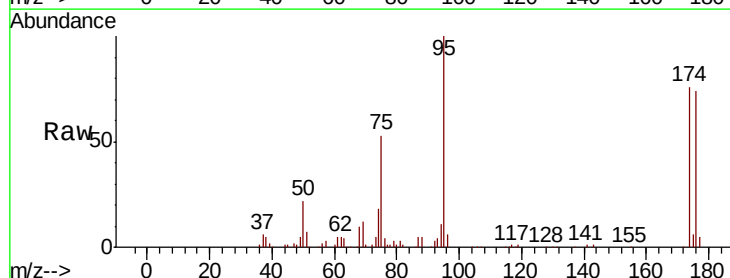
Tgt Ion: 75 Resp: 73028

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

