

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027249.D
 Acq On : 28 Sep 2018 01:15
 Operator : MD/SY
 Sample : J5020-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-16-10.5-091918

Quant Time: Sep 28 03:44:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	89396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	151845	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	70042	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	95702	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
35) Dibromofluoromethane	4.88	113	65849	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
50) Toluene-d8	7.57	98	245885	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	10.31	95	79031	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	

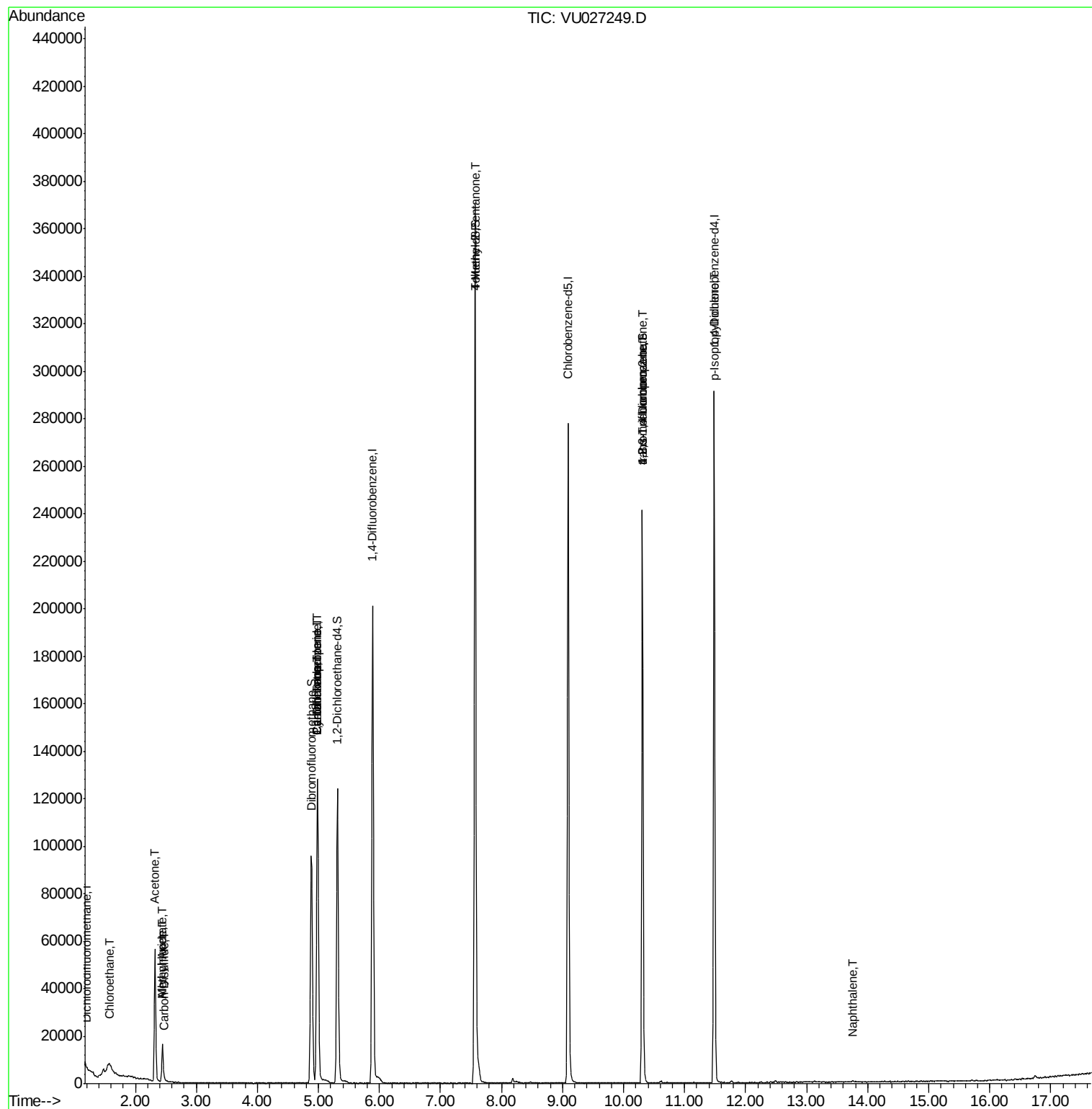
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	352	0.302	ug/l #	44
6) Chloroethane	1.57	64	10723	8.934	ug/l #	59
14) Allyl chloride	2.44	41	1609	0.643	ug/l #	64
16) Acetone	2.32	43	59692	49.126	ug/l	99
17) Carbon Disulfide	2.48	76	1033	0.257	ug/l #	75
18) Methyl Acetate	2.44	43	3816	1.490	ug/l #	55
31) Cyclohexane	4.98	56	2345	0.303	ug/l #	18
36) 1,1-Dichloropropene	4.98	75	8735	4.310	ug/l #	49
38) Carbon Tetrachloride	4.99	117	8927	4.629	ug/l #	19
51) 4-Methyl-2-Pentanone	7.57	43	1253	0.466	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	42561	20.002	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	42561	64.009	ug/l #	100
86) p-Isopropyltoluene	11.47	119	40	0.935	ug/l #	1
95) Naphthalene	13.76	128	944	1.846	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: VU027249.D

Acq: 28 Sep 2018 01:15

Instrument :

MSVOA_U

ClientSampleId :

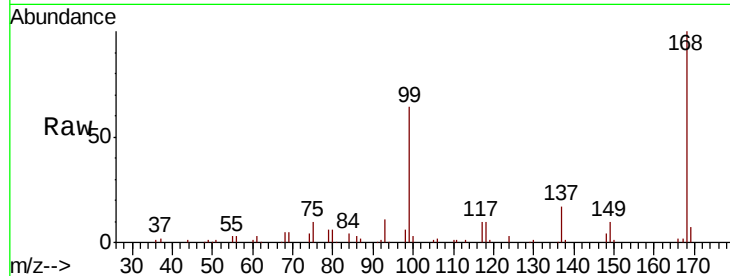
T11-MW-16-10.5-091918

Tot Ion:168 Resp: 89396

Ion Ratio Lower Upper

168 100

99 64.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

40000

30000

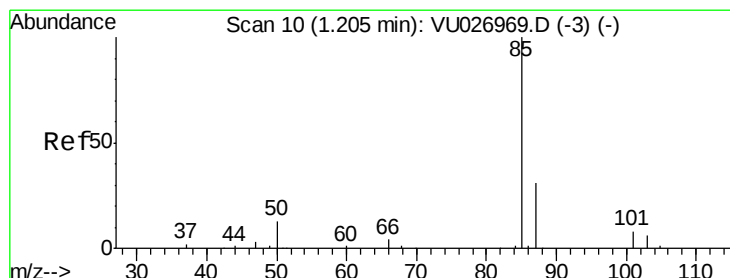
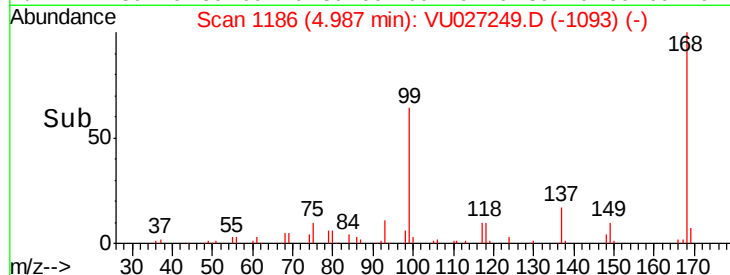
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 0.302 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027249.D

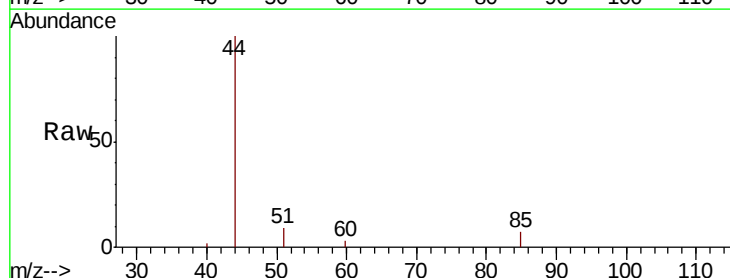
Acq: 28 Sep 2018 01:15

Tgt Ion: 85 Resp: 352

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.7#



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

400

300

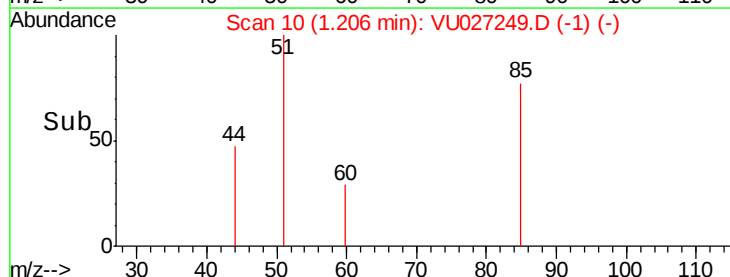
200

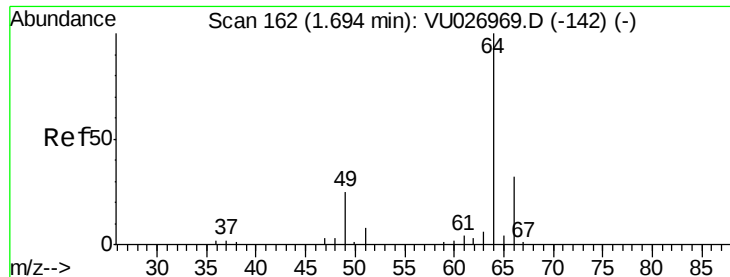
100

0

1.18 1.20 1.22

Time-->





#6

Chloroethane

Concen: 8.934 ug/l

RT: 1.57 min Scan# 124

Delta R.T. -0.12 min

Lab File: VU027249.D

Acq: 28 Sep 2018 01:15

Instrument :

MSVOA_U

ClientSampleId :

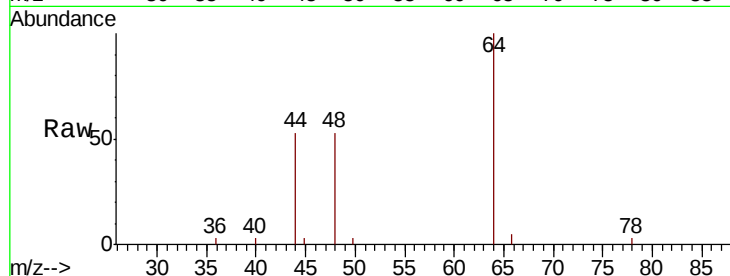
T11-MW-16-10.5-091918

Tot Ion: 64 Resp: 10723

Ion Ratio Lower Upper

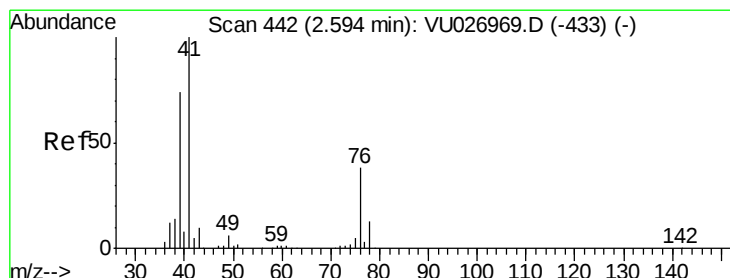
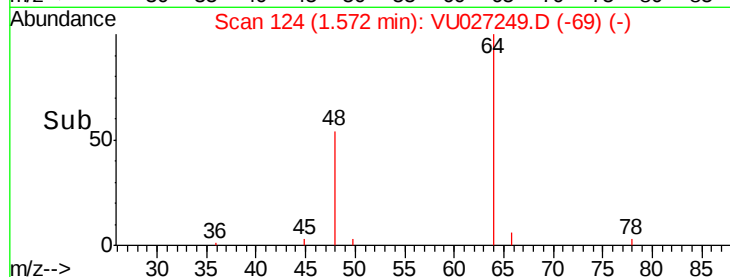
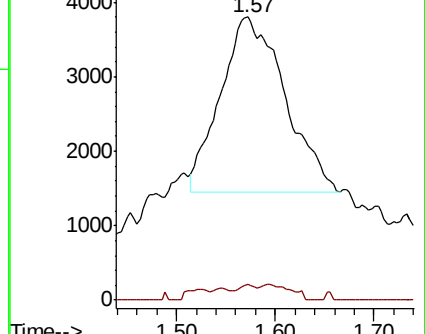
64 100

66 8.7 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#14

Allyl chloride

Concen: 0.643 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU027249.D

Acq: 28 Sep 2018 01:15

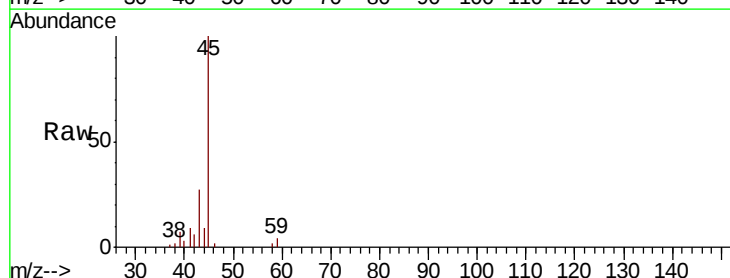
Tgt Ion: 41 Resp: 1609

Ion Ratio Lower Upper

41 100

39 90.1 55.7 83.5#

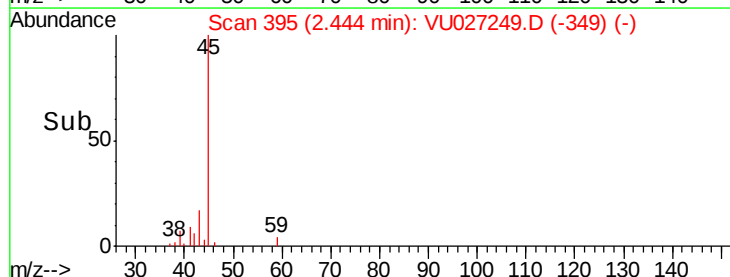
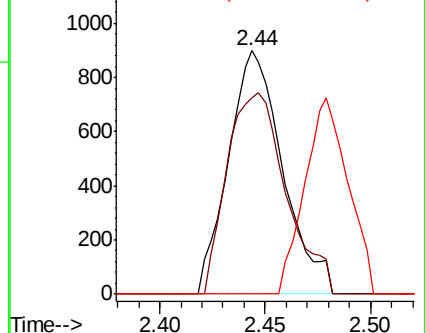
76 0.0 26.5 39.7#

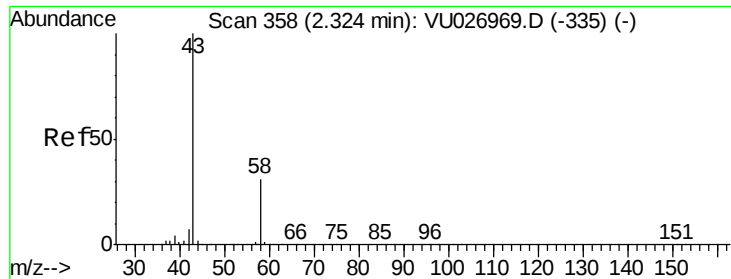


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#16

Acetone

Concen: 49.126 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027249.D

Acq: 28 Sep 2018 01:15

Instrument :

MSVOA_U

ClientSampleId :

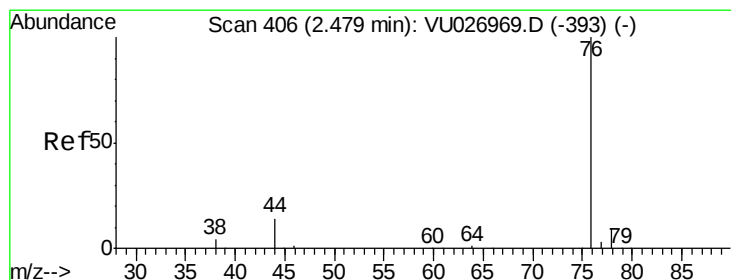
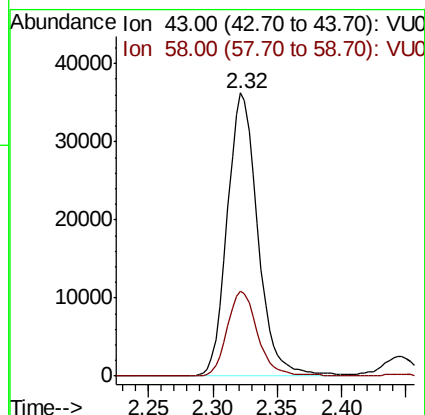
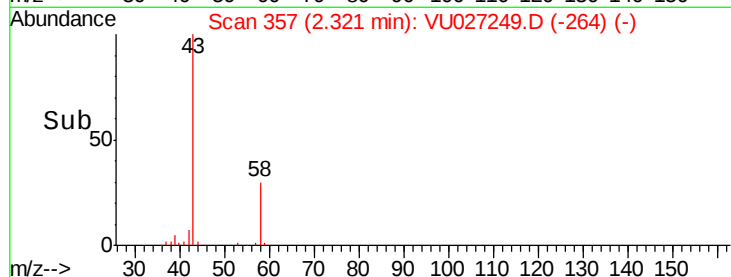
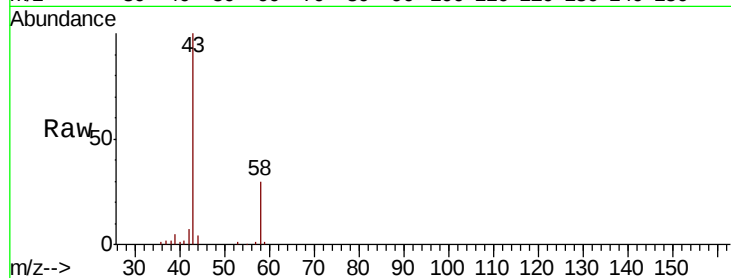
T11-MW-16-10.5-091918

Tot Ion: 43 Resp: 59692

Ion Ratio Lower Upper

43 100

58 29.9 24.6 36.8



#17

Carbon Disulfide

Concen: 0.257 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027249.D

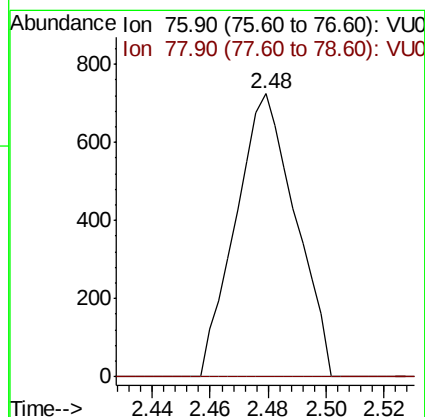
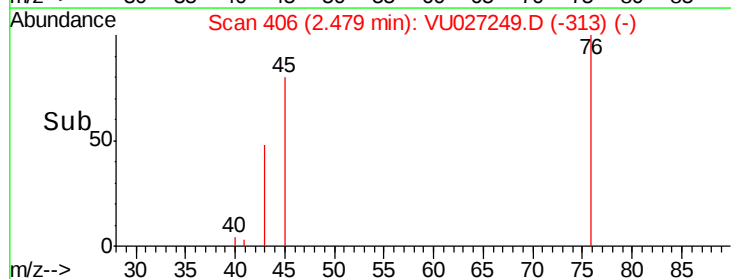
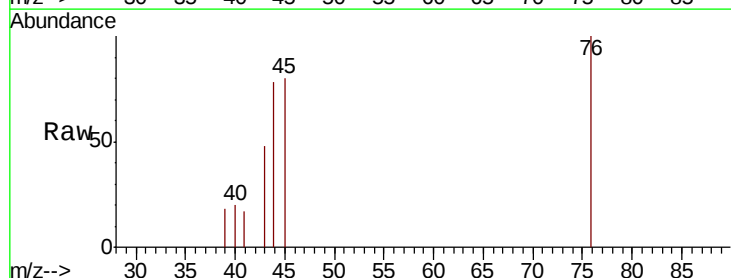
Acq: 28 Sep 2018 01:15

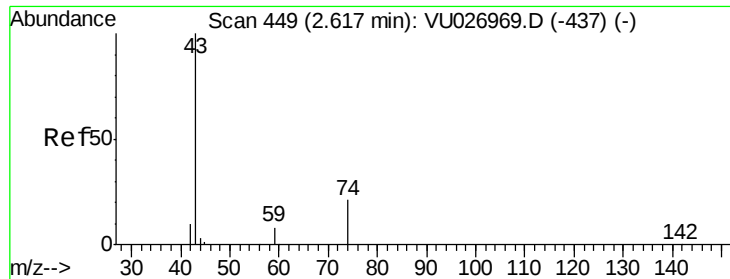
Tgt Ion: 76 Resp: 1033

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: 1.490 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027249.D

Acq: 28 Sep 2018 01:15

Instrument :

MSVOA_U

ClientSampleId :

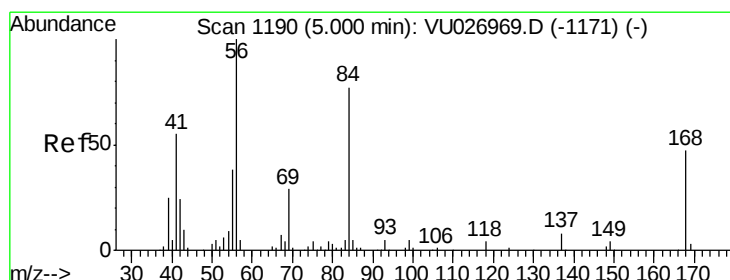
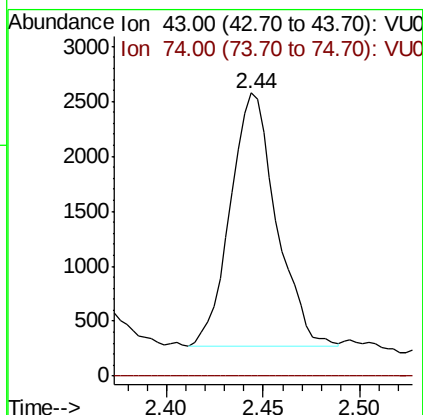
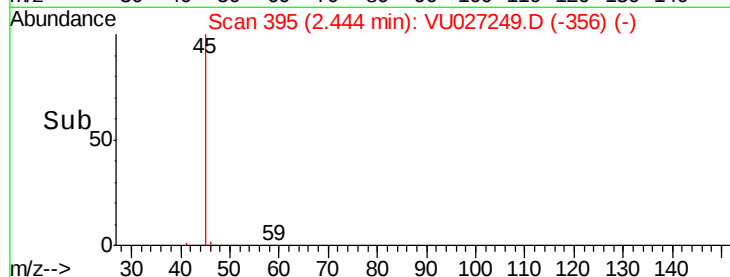
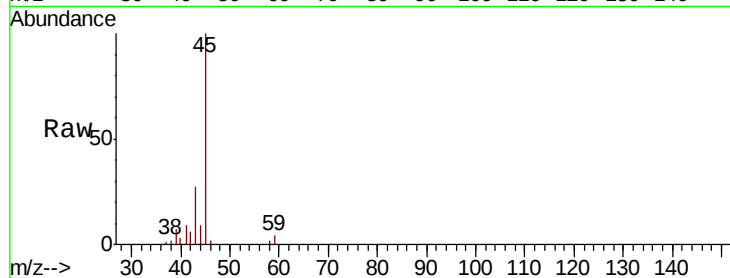
T11-MW-16-10.5-091918

Tot Ion: 43 Resp: 3816

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#



#31

Cyclohexane

Concen: 0.303 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU027249.D

Acq: 28 Sep 2018 01:15

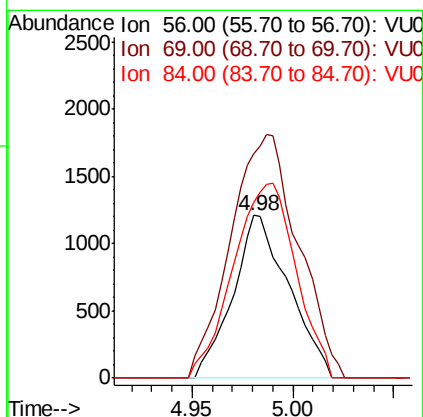
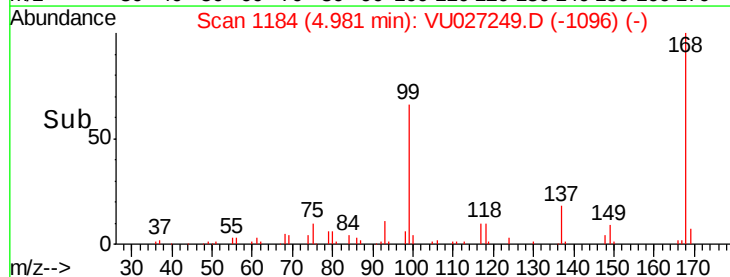
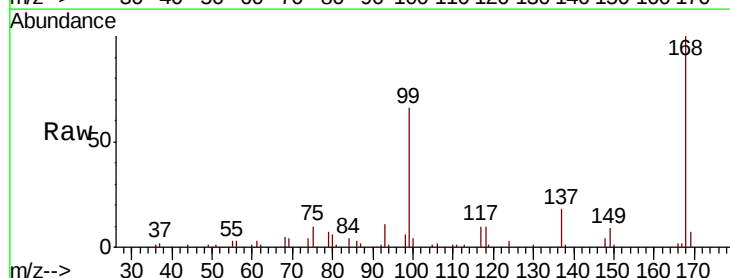
Tgt Ion: 56 Resp: 2345

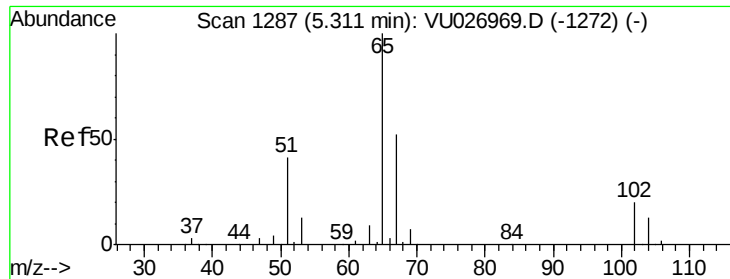
Ion Ratio Lower Upper

56 100

69 137.8 23.0 34.4#

84 108.3 61.4 92.2#

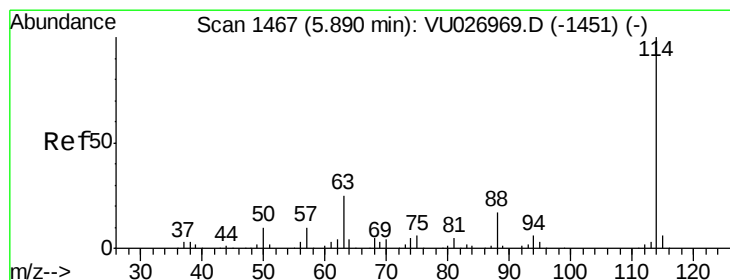
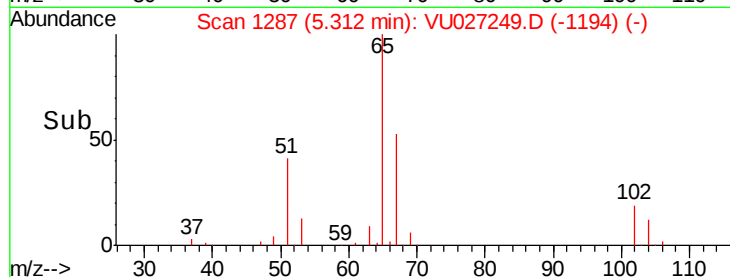
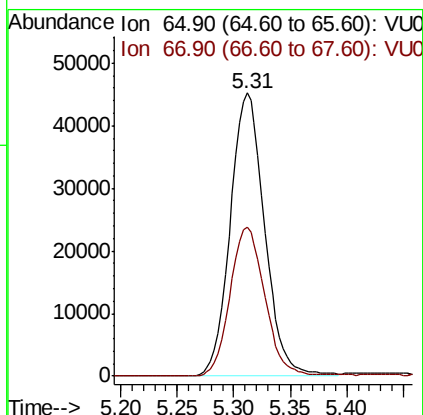
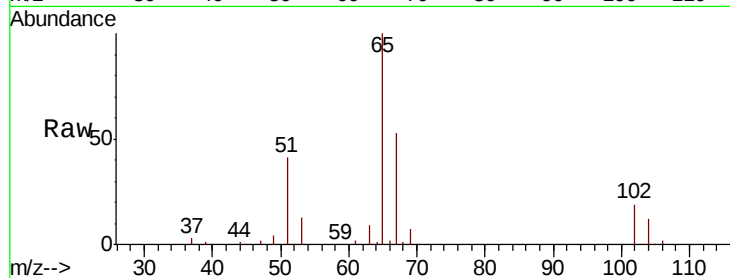




#33
 1,2-Dichloroethane-d4
 Concen: 53.190 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027249.D
 Acq: 28 Sep 2018 01:15

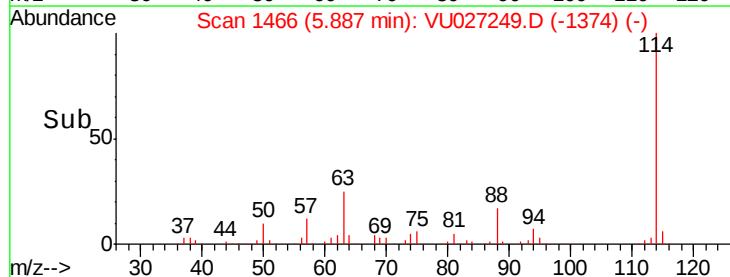
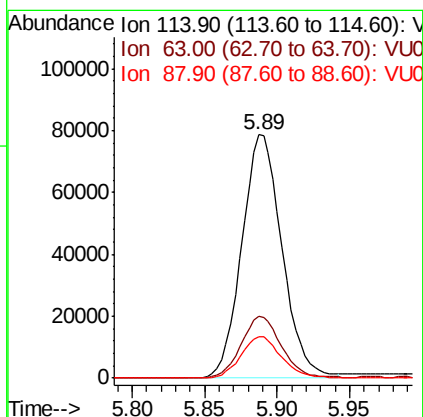
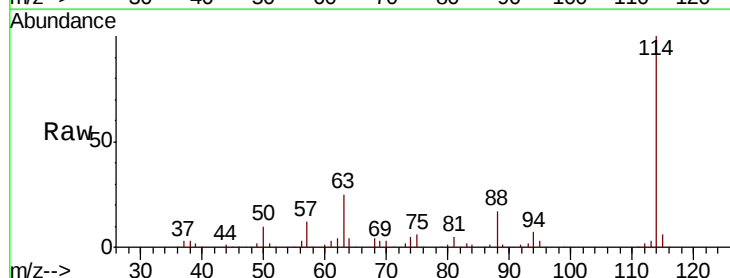
Instrument :
 MSVOA_U
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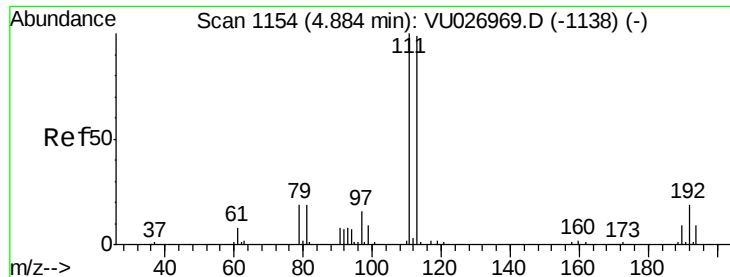
Tot Ion: 65 Resp: 95702
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027249.D
 Acq: 28 Sep 2018 01:15

Tgt Ion: 114 Resp: 151845
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 49.2
 88 17.1 0.0 33.8

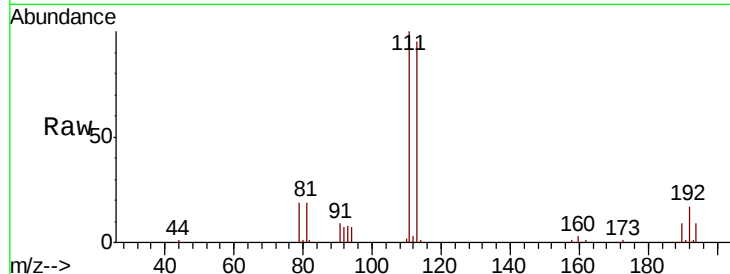




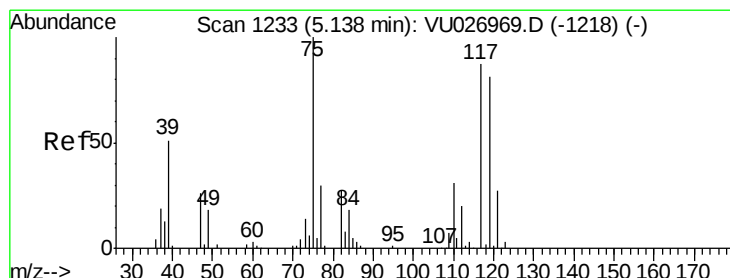
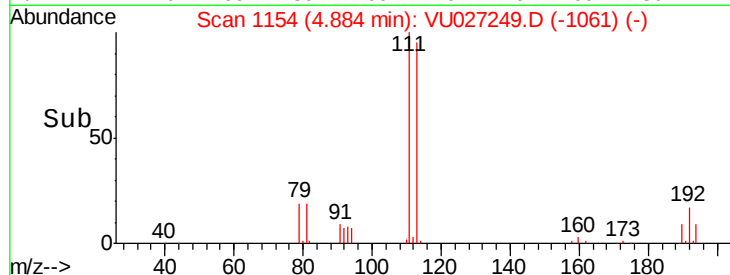
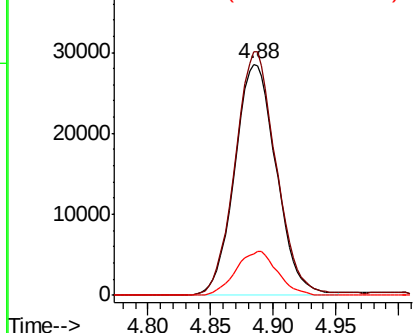
#35
 Dibromofluoromethane
 Concen: 50.030 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027249.D
 Acq: 28 Sep 2018 01:15

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-16-10.5-091918

Tot Ion:113 Resp: 65849
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.2 123.4
 192 18.9 15.2 22.8

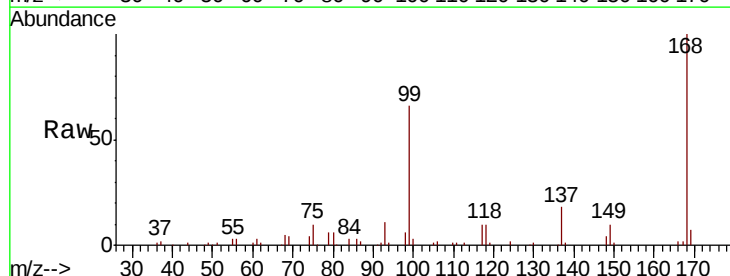


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

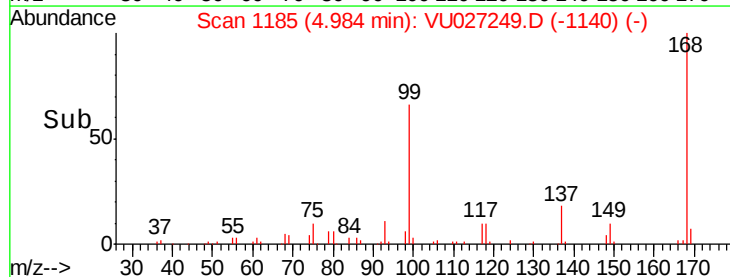
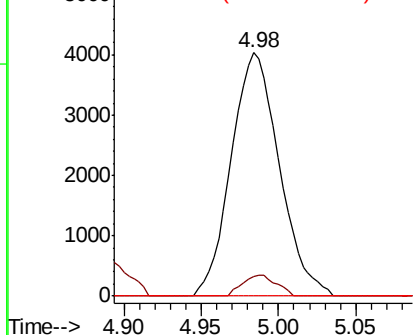


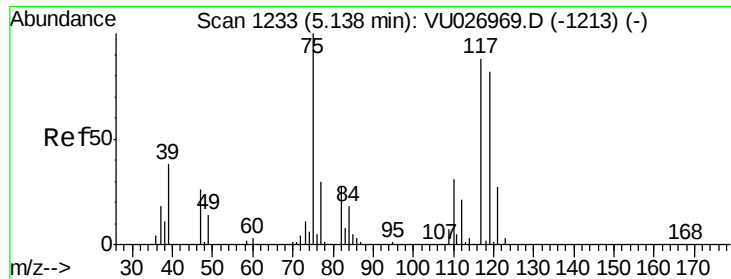
#36
 1,1-Dichloropropene
 Concen: 4.310 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027249.D
 Acq: 28 Sep 2018 01:15

Tgt Ion: 75 Resp: 8735
 Ion Ratio Lower Upper
 75 100
 110 6.1 16.1 48.2#
 77 0.0 24.6 36.8#



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

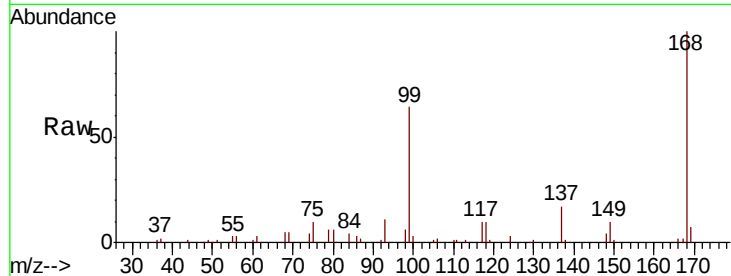




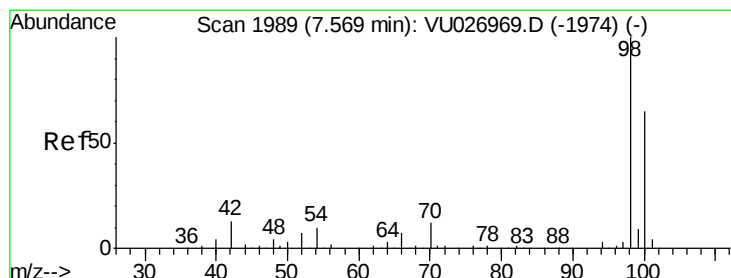
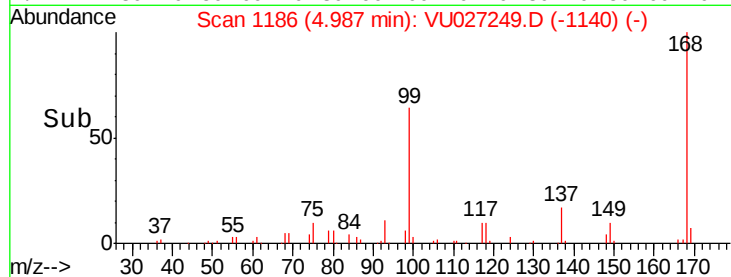
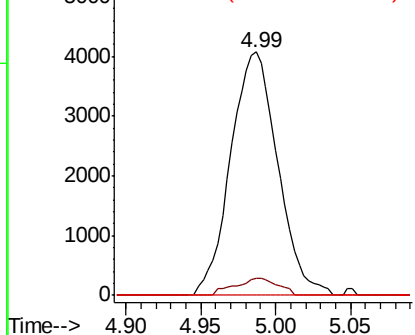
#38
Carbon Tetrachloride
Concen: 4.629 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027249.D
Acq: 28 Sep 2018 01:15

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-16-10.5-091918

Tot Ion:117 Resp: 8927
Ion Ratio Lower Upper
117 100
119 7.2 74.4 111.6#
121 0.0 24.2 36.4#

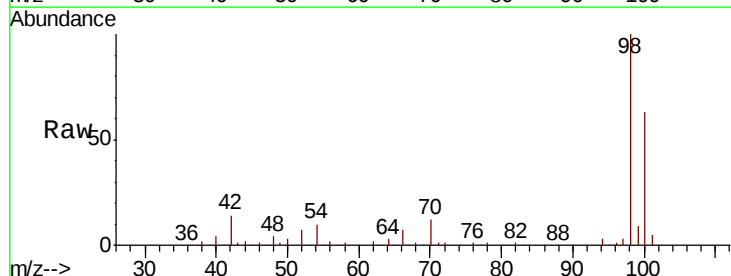


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

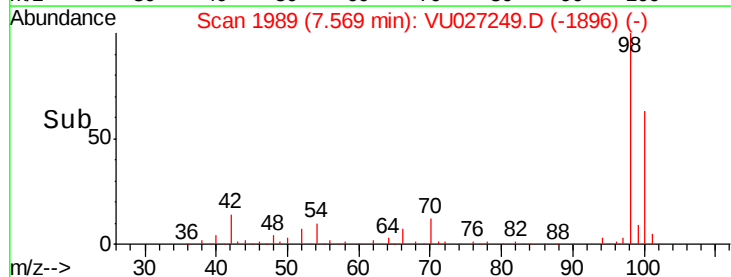
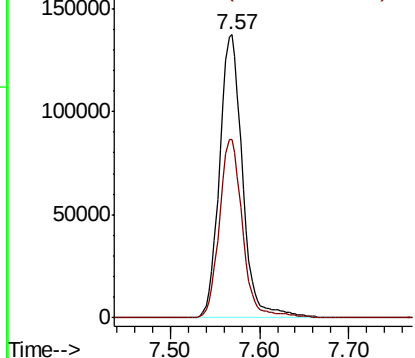


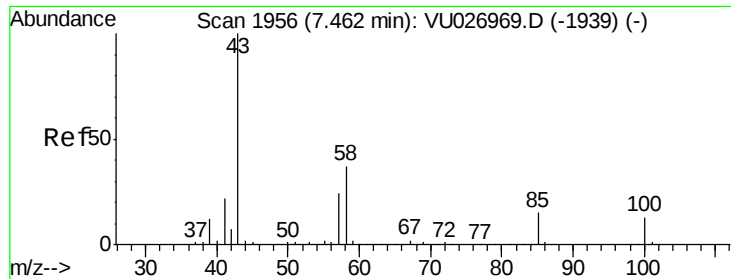
#50
Toluene-d8
Concen: 49.019 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027249.D
Acq: 28 Sep 2018 01:15

Tgt Ion: 98 Resp: 245885
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 0.466 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027249.D

Acq: 28 Sep 2018 01:15

Instrument :

MSVOA_U

ClientSampleId :

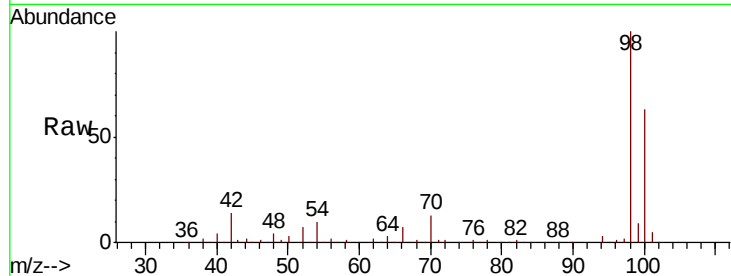
T11-MW-16-10.5-091918

Tot Ion: 43 Resp: 1253

Ion Ratio Lower Upper

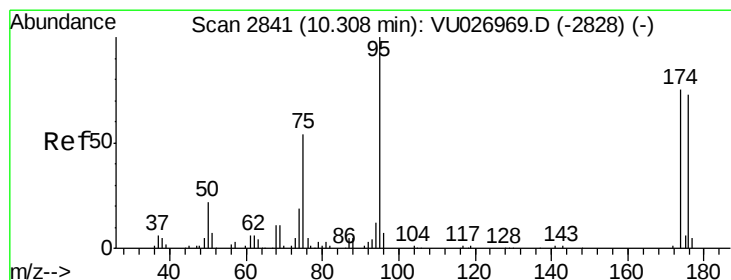
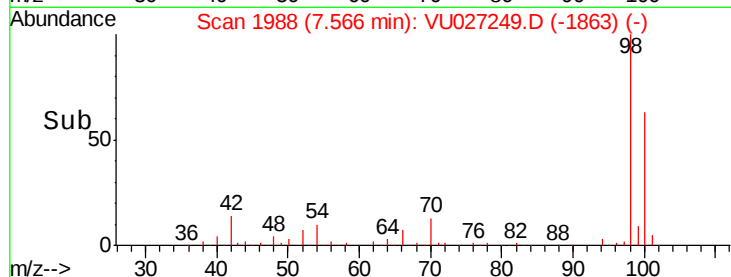
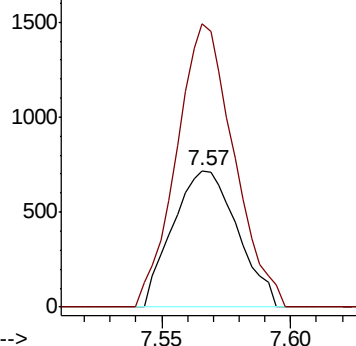
43 100

58 185.0 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.917 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027249.D

Acq: 28 Sep 2018 01:15

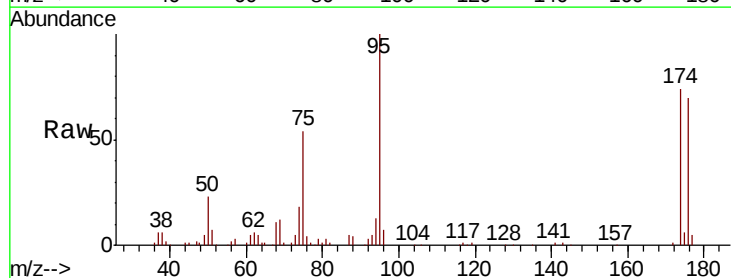
Tgt Ion: 95 Resp: 79031

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

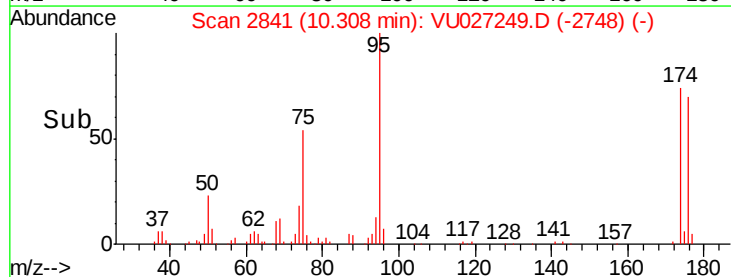
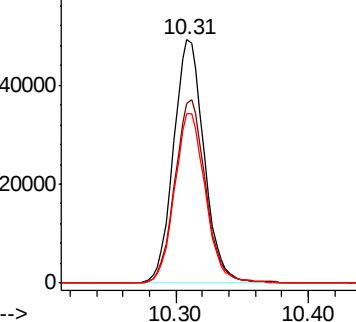
176 70.1 0.0 145.2

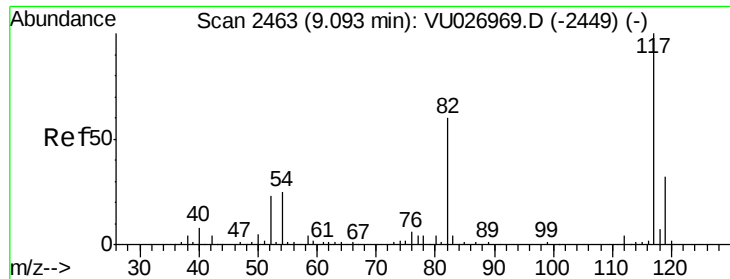


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

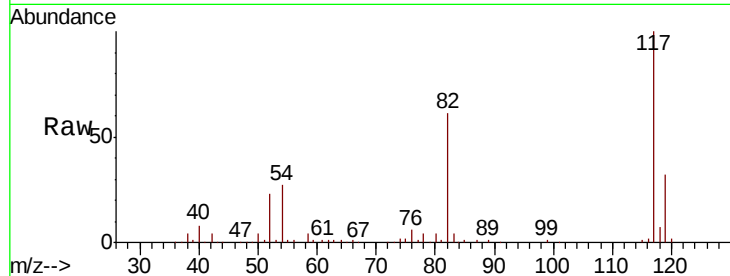




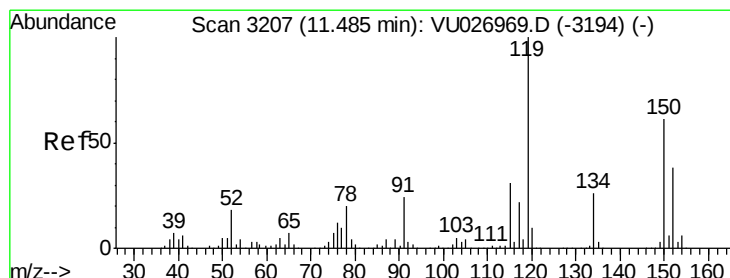
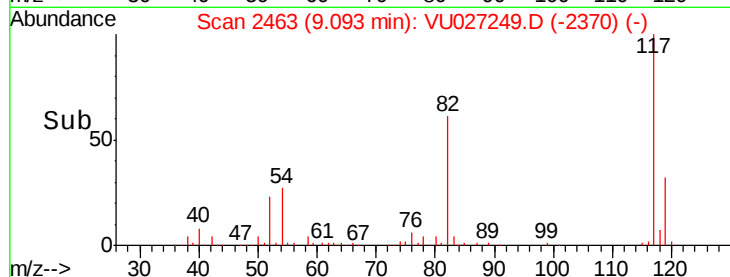
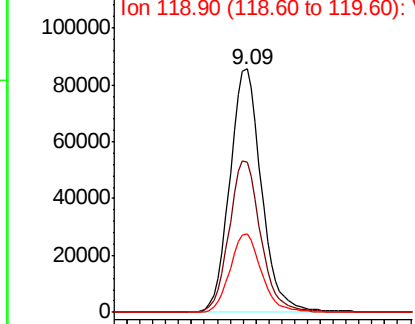
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027249.D
Acq: 28 Sep 2018 01:15

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-16-10.5-091918

Tot Ion:117 Resp: 145823
Ion Ratio Lower Upper
117 100
82 61.4 48.0 72.0
119 32.2 25.8 38.8

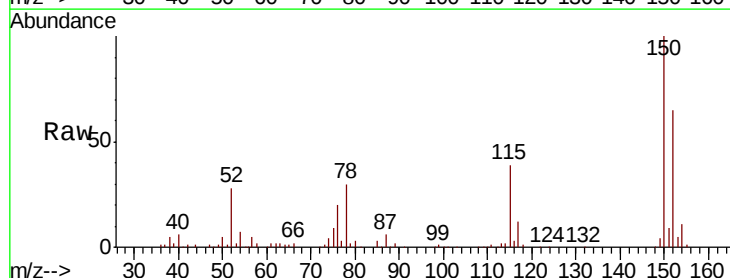


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

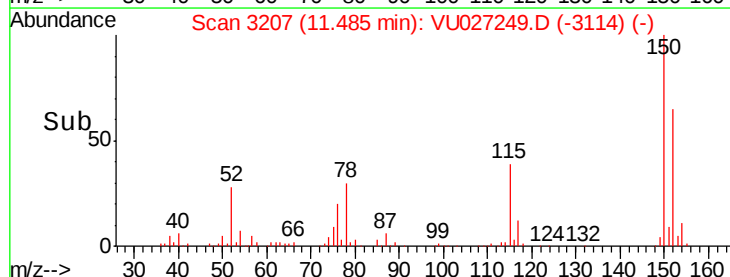
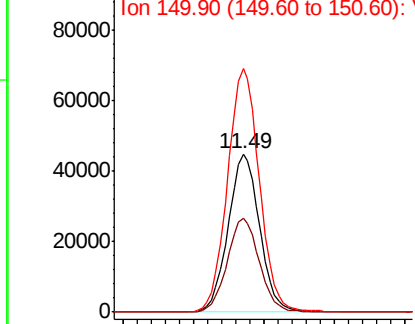


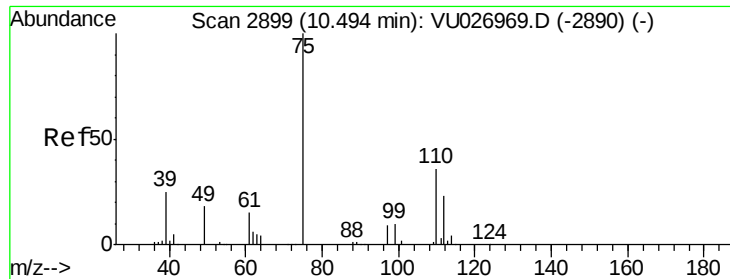
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027249.D
Acq: 28 Sep 2018 01:15

Tgt Ion:152 Resp: 70042
Ion Ratio Lower Upper
152 100
115 60.3 44.9 134.5
150 155.9 0.0 355.8



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

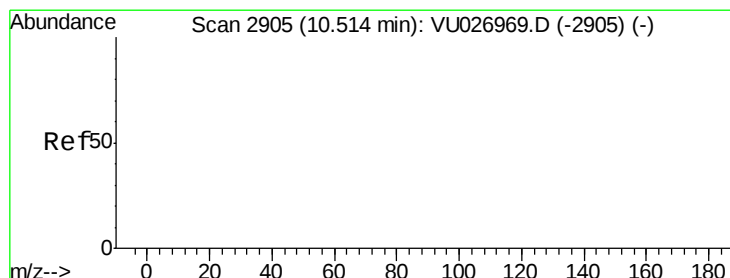
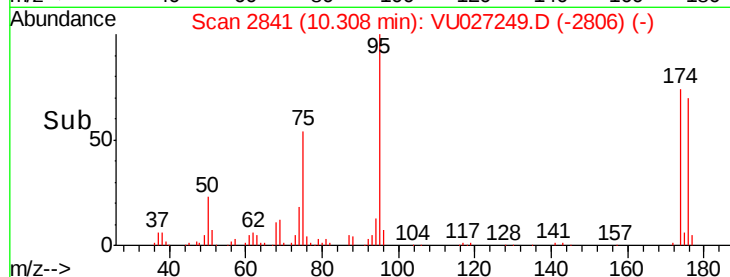
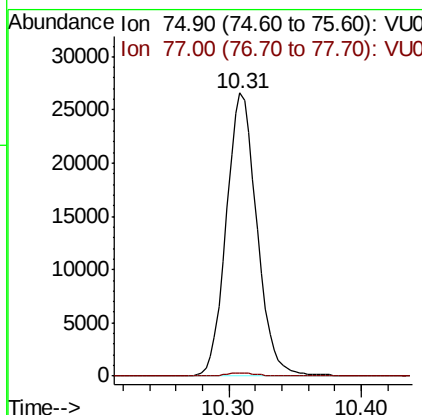
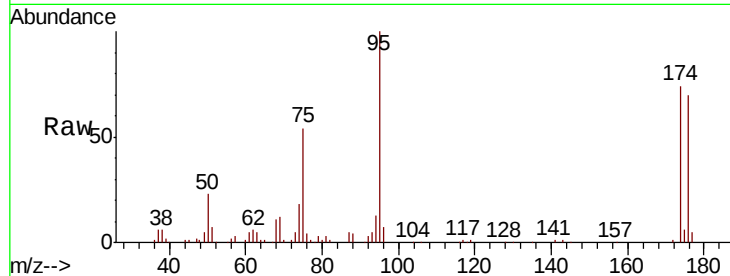




#76
 1,2,3-Trichloropropane
 Concen: 20.002 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027249.D
 Acq: 28 Sep 2018 01:15

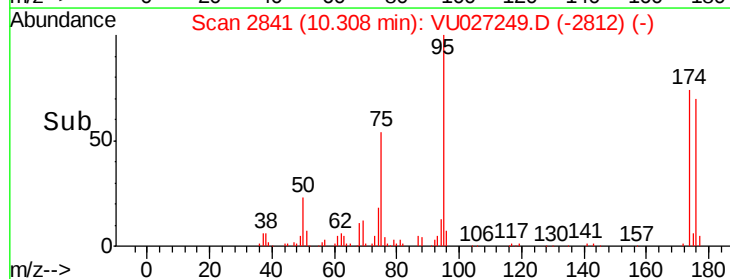
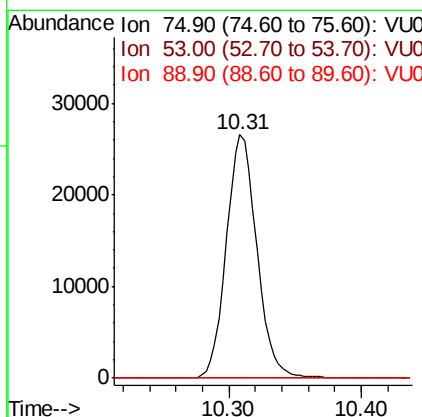
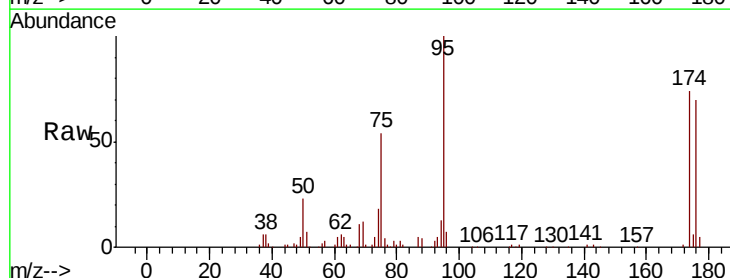
Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-16-10.5-091918

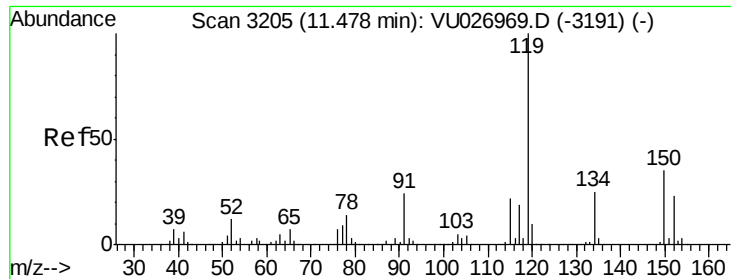
Tot Ion: 75 Resp: 42561
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.009 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027249.D
 Acq: 28 Sep 2018 01:15

Tgt Ion: 75 Resp: 42561
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

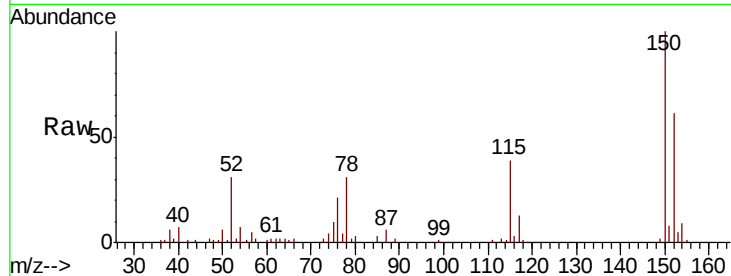




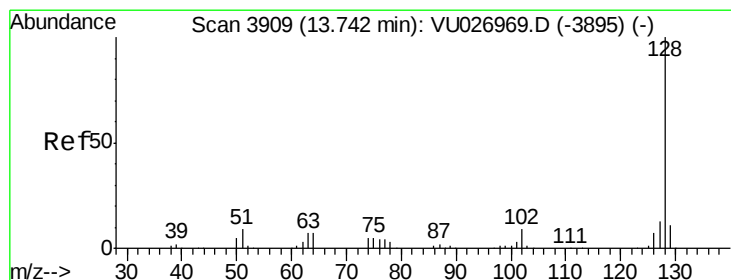
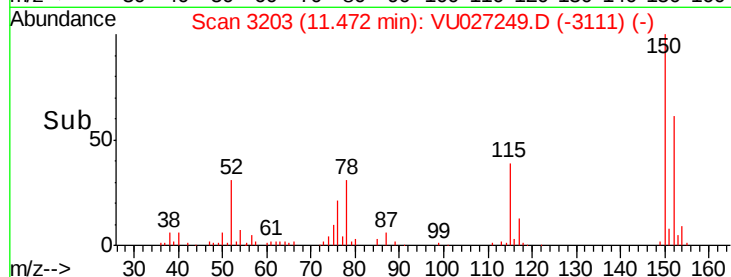
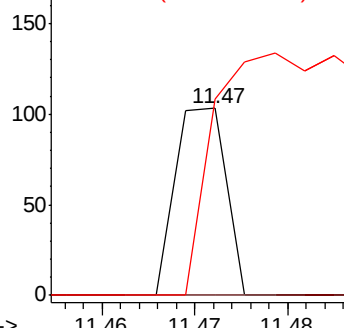
#86
p-Isopropyltoluene
Concen: 0.935 ug/l
RT: 11.47 min Scan# 3203
Delta R.T. -0.01 min
Lab File: VU027249.D
Acq: 28 Sep 2018 01:15

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-16-10.5-091918

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.8	38.3#
91	415.0	12.3	36.8#

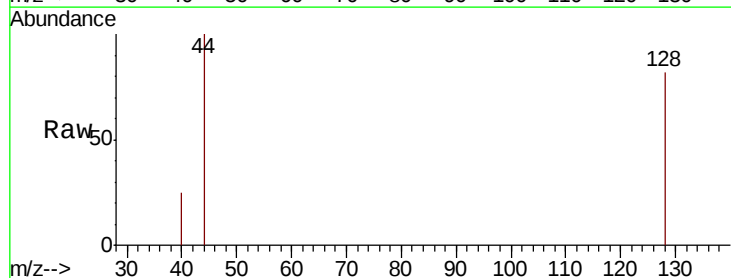


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 1.846 ug/l
RT: 13.76 min Scan# 3913
Delta R.T. 0.01 min
Lab File: VU027249.D
Acq: 28 Sep 2018 01:15

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

