

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092018\
 Data File : VU026916.D
 Acq On : 19 Sep 2018 22:45
 Operator : MD/SY
 Sample : J4934-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-DUP04-20180912

Quant Time: Sep 20 05:36:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	81221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136250	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73646	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	69430	56.35	ug/l	0.00
Spiked Amount	50.000			Recovery	=	112.70%	
35) Dibromofluoromethane		4.88	113	61552	55.38	ug/l	0.00
Spiked Amount	50.000			Recovery	=	110.76%	
50) Toluene-d8		7.57	98	204884	49.84	ug/l	0.00
Spiked Amount	50.000			Recovery	=	99.68%	
62) 4-Bromofluorobenzene		10.31	95	68686	46.10	ug/l	0.00
Spiked Amount	50.000			Recovery	=	92.20%	

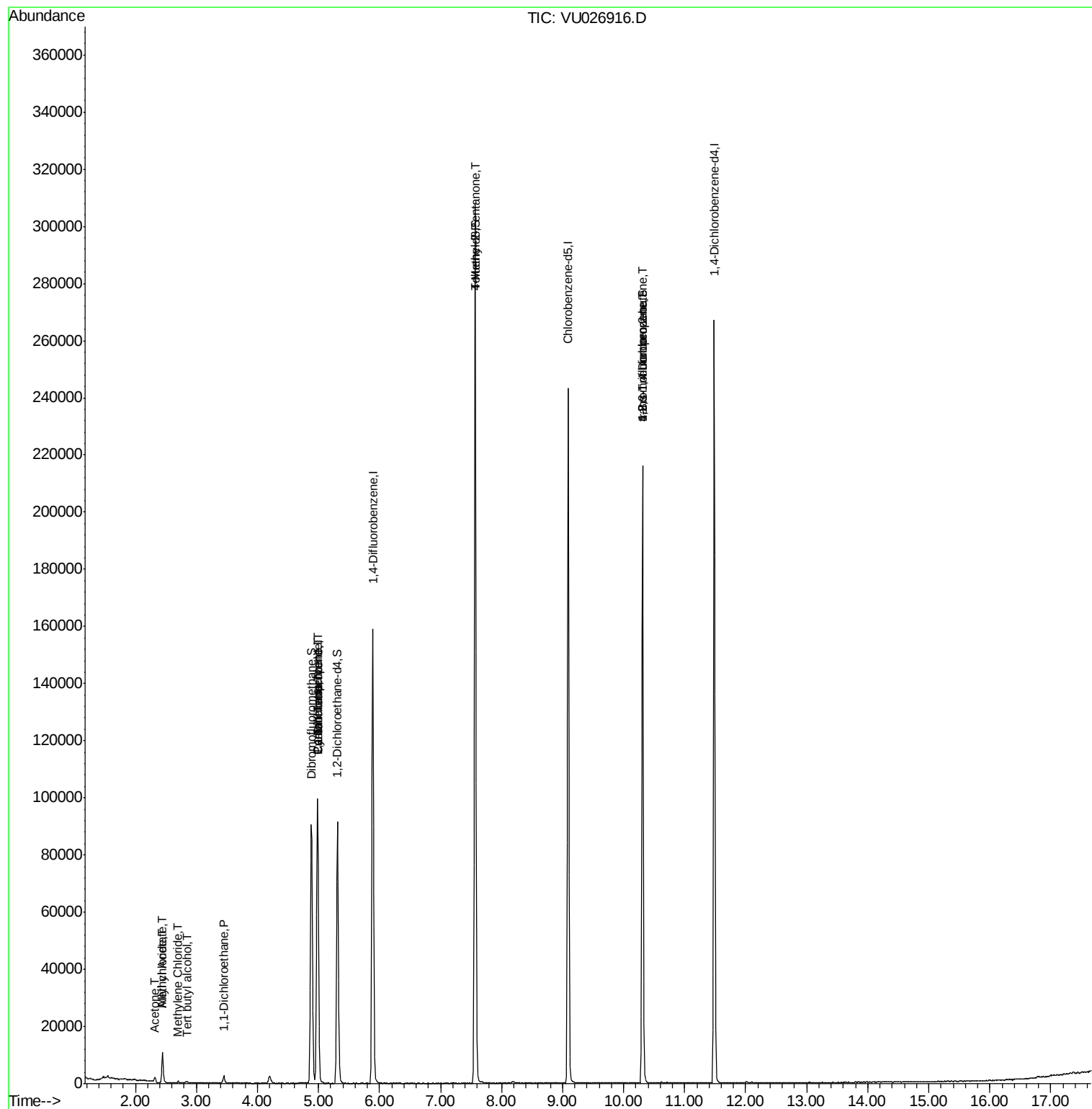
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	200	0.666	ug/l #	73
14) Allyl chloride	2.44	41	1104	0.657	ug/l #	76
16) Acetone	2.32	43	2067	2.963	ug/l	96
18) Methyl Acetate	2.44	43	2755	1.830	ug/l #	54
20) Methylene Chloride	2.70	84	244	0.216	ug/l #	82
24) 1,1-Dichloroethane	3.45	63	3209	1.623	ug/l #	94
31) Cyclohexane	4.98	56	1311	0.546	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	5603	3.663	ug/l #	48
38) Carbon Tetrachloride	4.99	117	7214	4.464	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	790	0.422	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	33051	20.034	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	33051	62.183	ug/l #	100

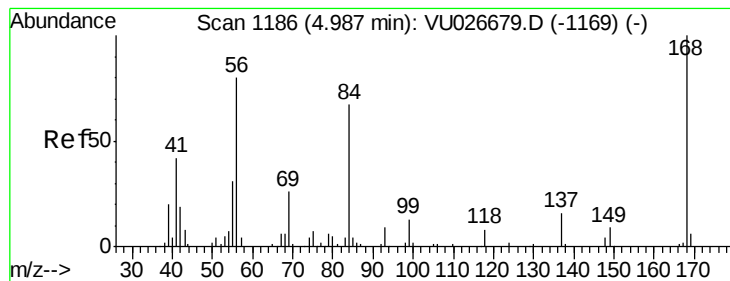
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU026916.D

Acq: 19 Sep 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

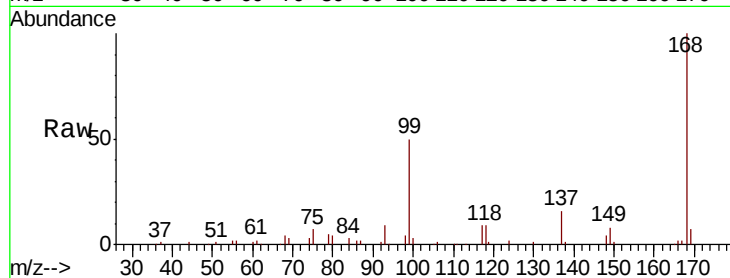
SA-DUP04-20180912

Tgt Ion:168 Resp: 81221

Ion Ratio Lower Upper

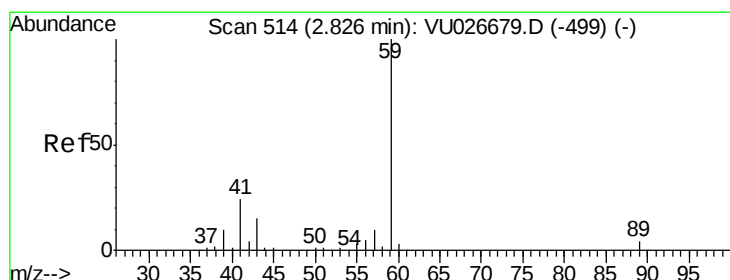
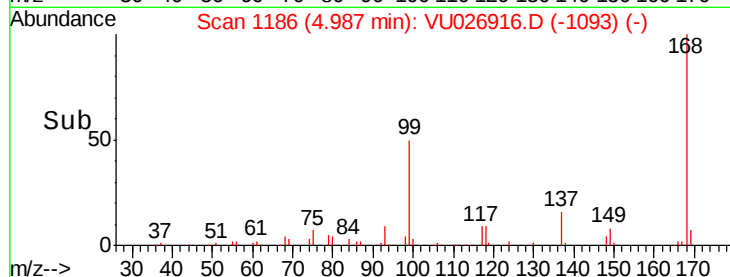
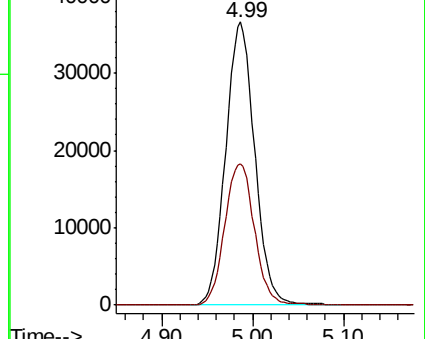
168 100

99 50.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026916.D (-1093) (-)



#11

Tert butyl alcohol

Concen: 0.666 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU026916.D

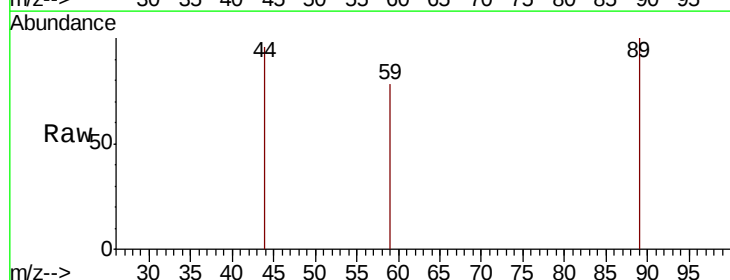
Acq: 19 Sep 2018 22:45

Tgt Ion: 59 Resp: 200

Ion Ratio Lower Upper

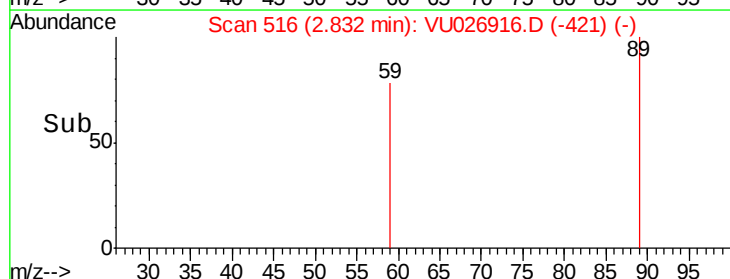
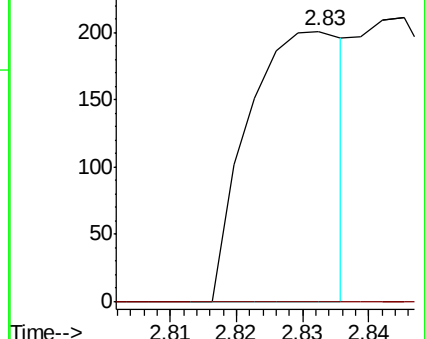
59 100

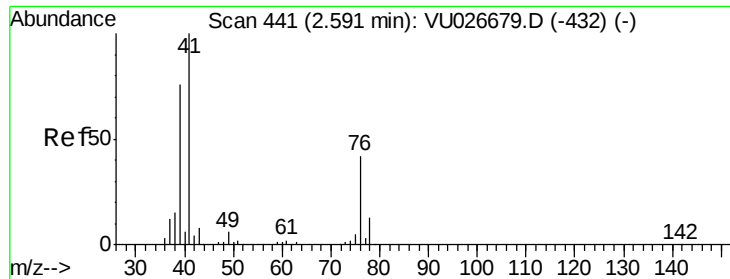
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU026679.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU026916.D (-421) (-)

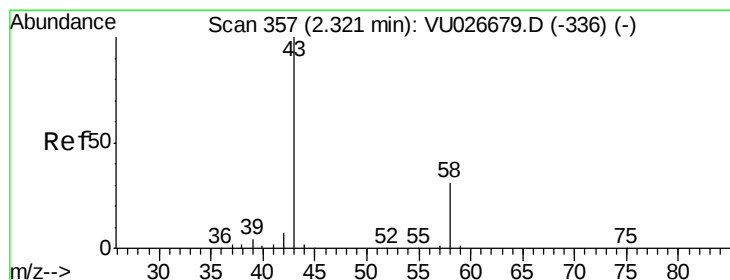
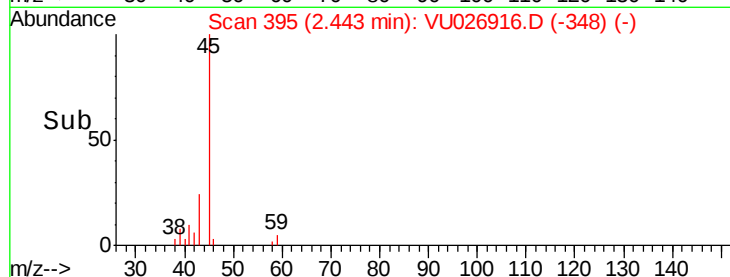
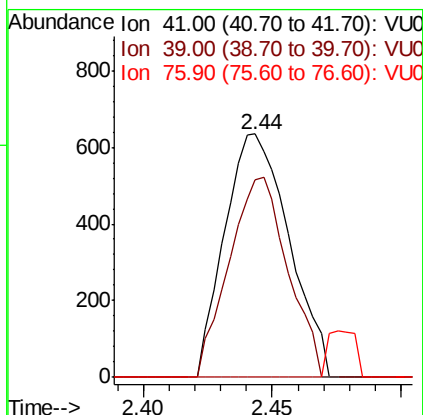
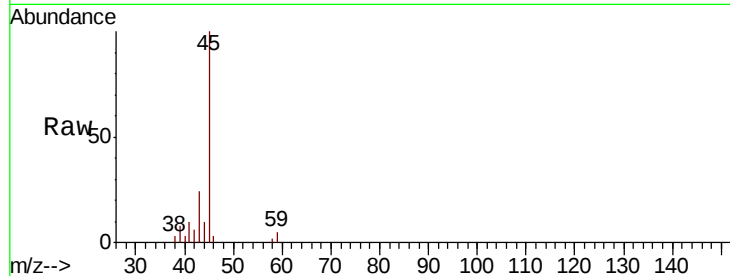




#14
 Allyl chloride
 Concen: 0.657 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU026916.D
 Acq: 19 Sep 2018 22:45

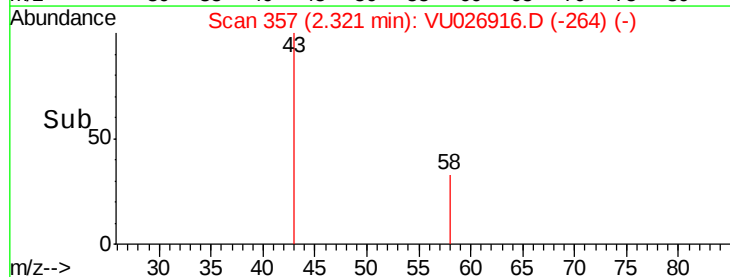
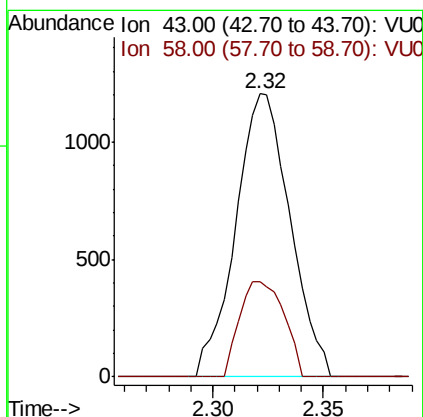
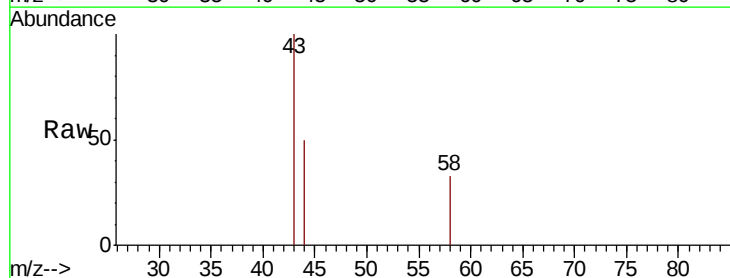
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-DUP04-20180912

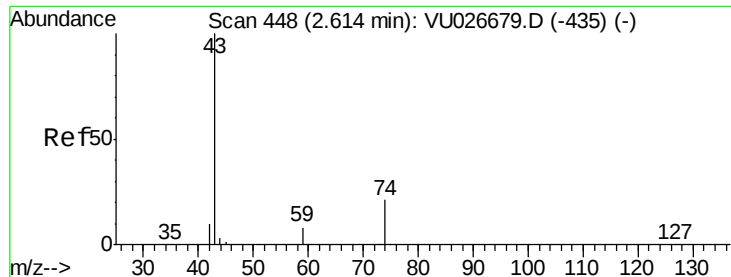
Tgt Ion: 41 Resp: 1104
 Ion Ratio Lower Upper
 41 100
 39 74.9 56.9 85.3
 76 0.0 29.7 44.5#



#16
 Acetone
 Concen: 2.963 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026916.D
 Acq: 19 Sep 2018 22:45

Tgt Ion: 43 Resp: 2067
 Ion Ratio Lower Upper
 43 100
 58 33.4 25.1 37.7

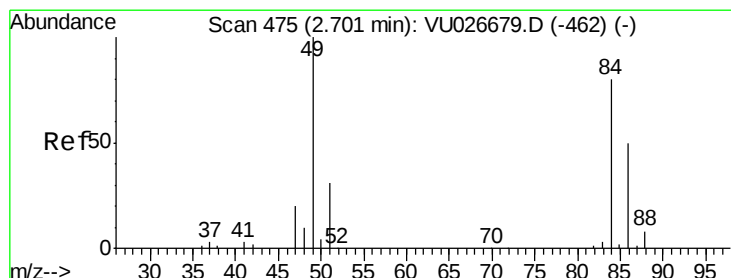
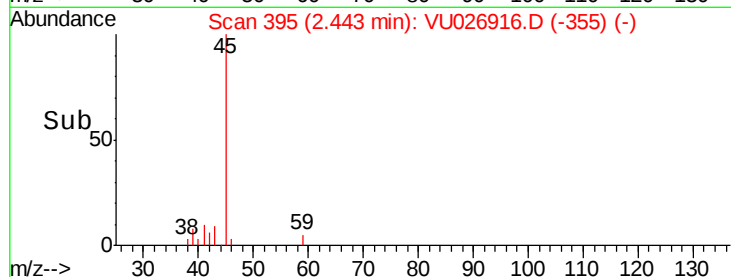
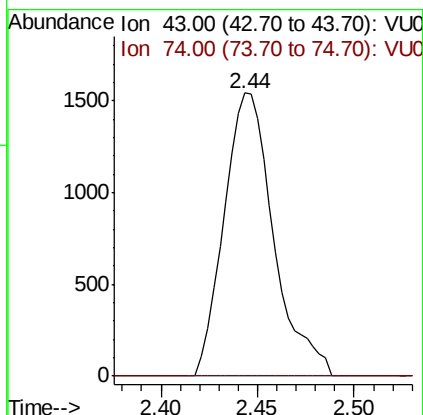
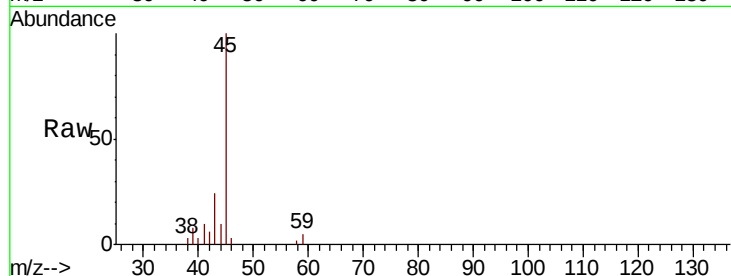




#18
Methyl Acetate
Concen: 1.830 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU026916.D
Acq: 19 Sep 2018 22:45

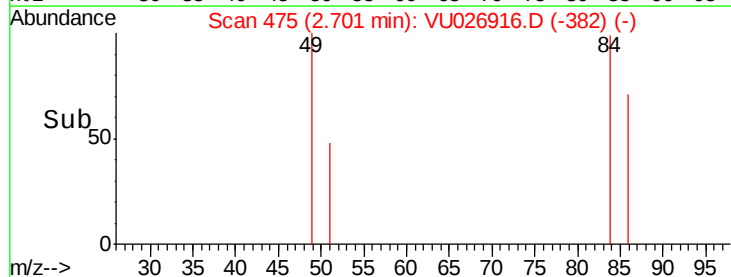
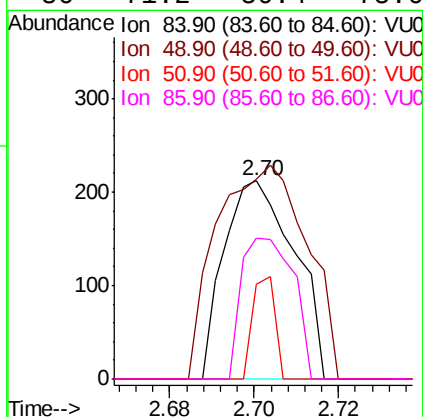
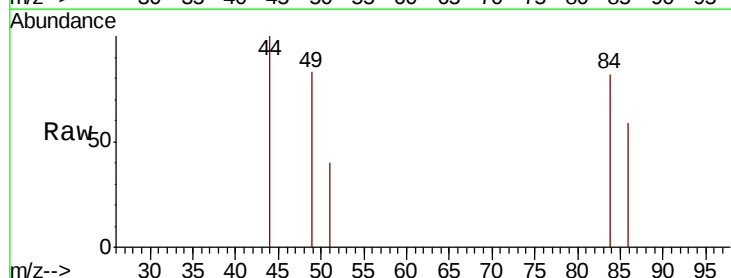
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MSVOA_U
ClientSampleId :
SA-DUP04-20180912

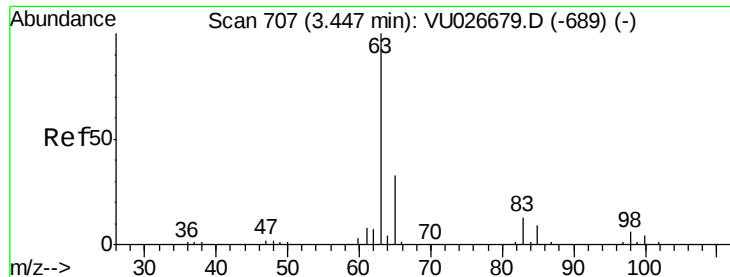
Tgt Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026916.D
Acq: 19 Sep 2018 22:45

Tgt Ion: 84 Resp: 244
Ion Ratio Lower Upper
84 100
49 100.9 100.6 151.0
51 48.1 30.9 46.3#
86 71.2 50.4 75.6





#24

1,1-Dichloroethane

Concen: 1.623 ug/l

RT: 3.45 min Scan# 709

Delta R.T. 0.01 min

Lab File: VU026916.D

Acq: 19 Sep 2018 22:45

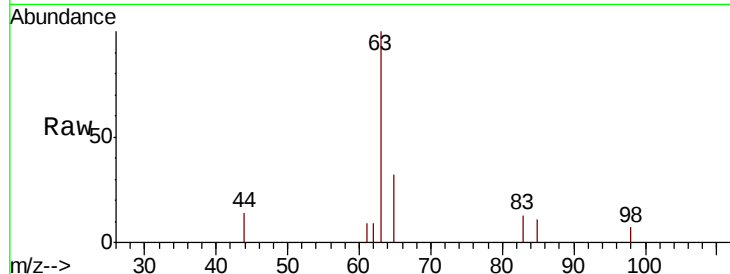
Instrument :

MSVOA_U

ClientSampleId :

SA-DUP04-20180912

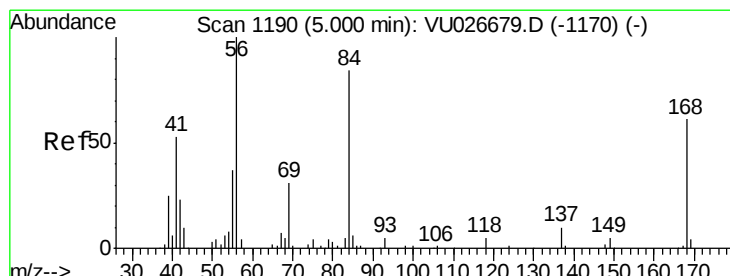
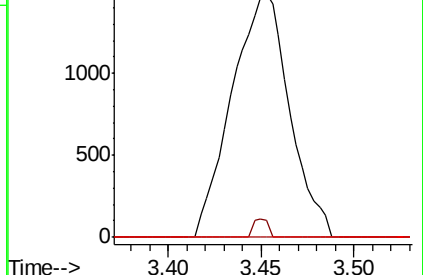
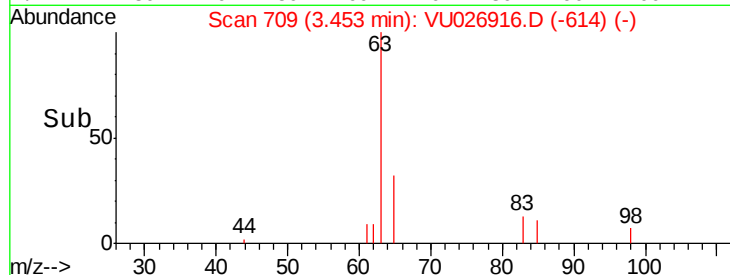
Tgt Ion:	63	Resp:	3209
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.1	9.4
100	0.0	2.0	6.0#



Abundance Ion 62.90 (62.60 to 63.60): VU026916.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU026916.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU026916.D (-614) (-)



#31

Cyclohexane

Concen: 0.546 ug/l

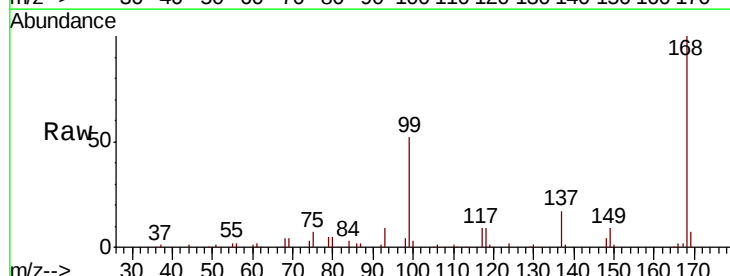
RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU026916.D

Acq: 19 Sep 2018 22:45

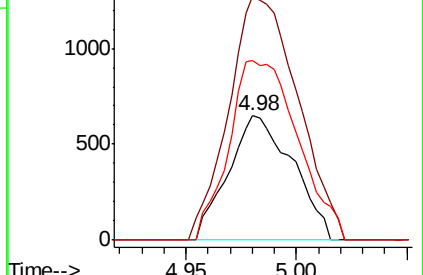
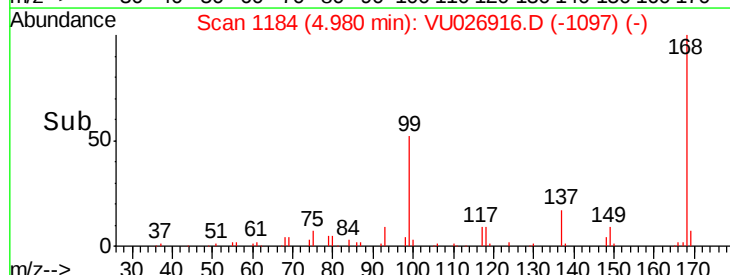
Tgt Ion:	56	Resp:	1311
Ion	Ratio	Lower	Upper
56	100		
69	196.3	24.9	37.3#
84	145.1	66.6	100.0#

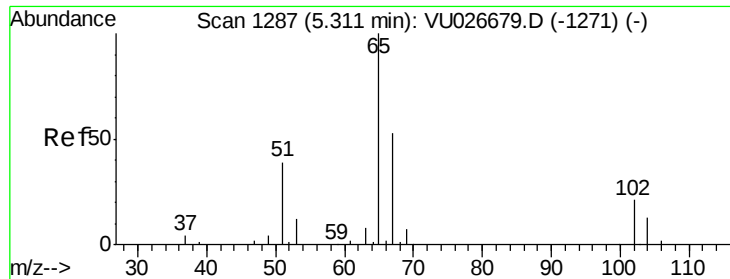


Abundance Ion 56.00 (55.70 to 56.70): VU026916.D (-1097) (-)

Ion 69.00 (68.70 to 69.70): VU026916.D (-1097) (-)

Ion 84.00 (83.70 to 84.70): VU026916.D (-1097) (-)

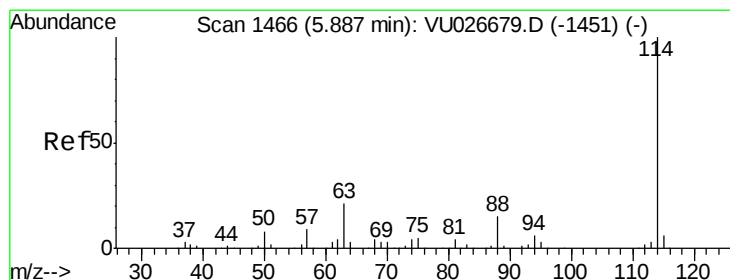
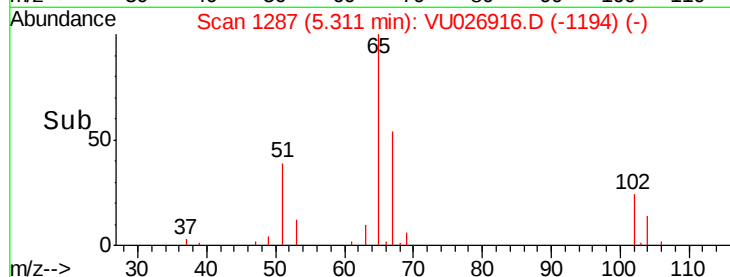
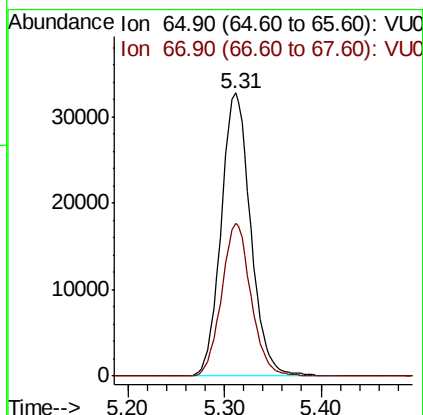
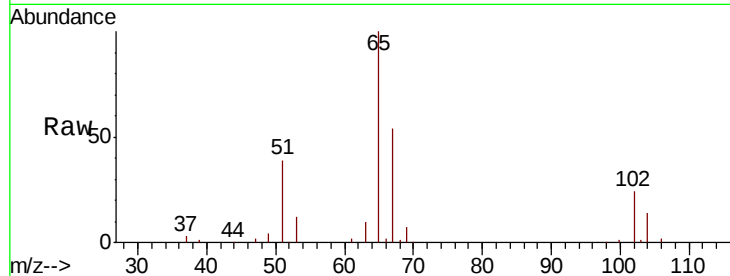




#33
 1,2-Dichloroethane-d4
 Concen: 56.352 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026916.D
 Acq: 19 Sep 2018 22:45

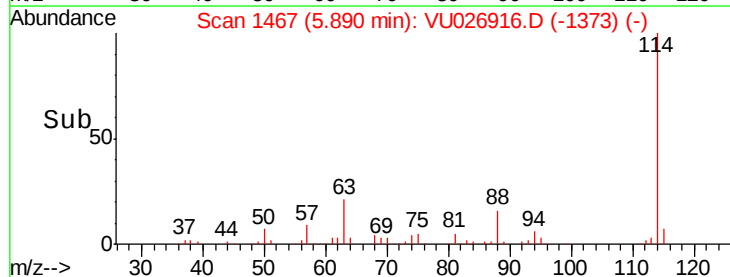
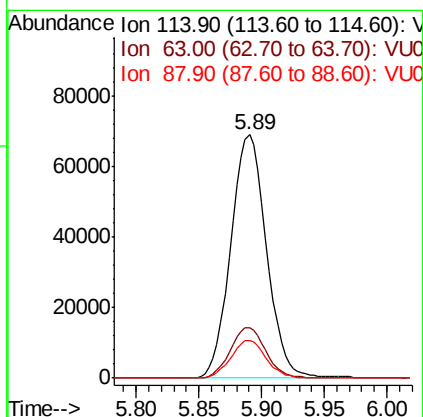
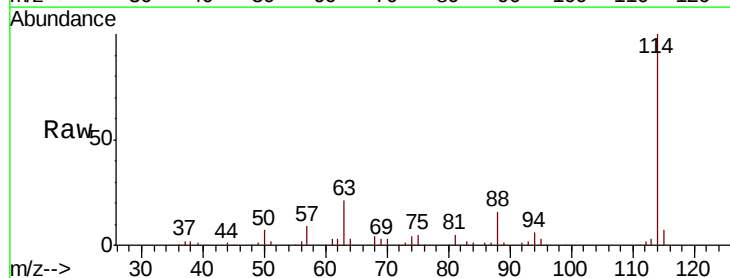
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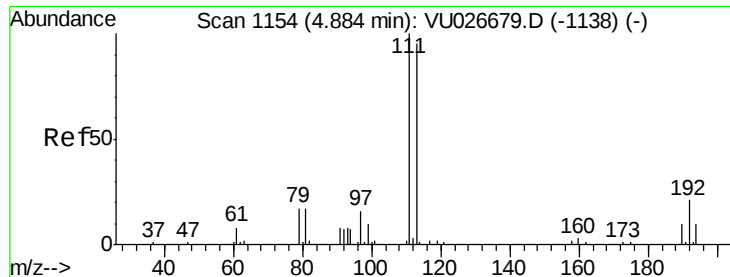
Tgt Ion: 65 Resp: 69430
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026916.D
 Acq: 19 Sep 2018 22:45

Tgt Ion: 114 Resp: 136250
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.6 0.0 30.8

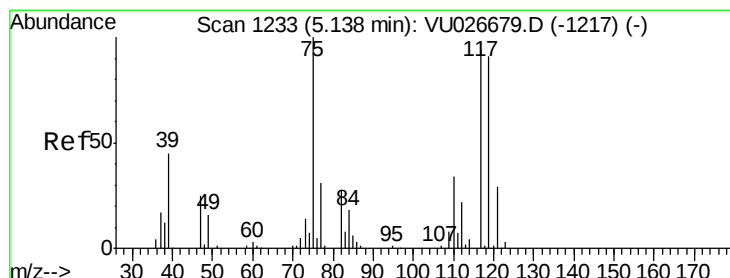
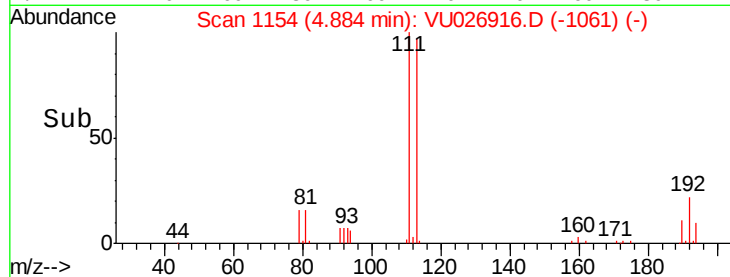
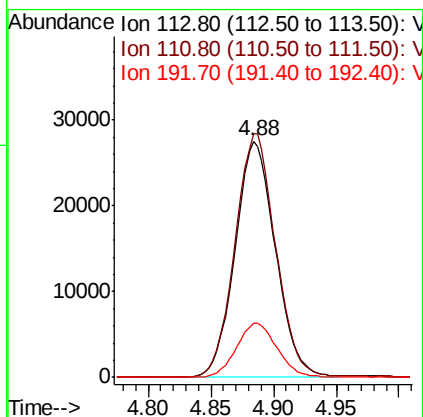
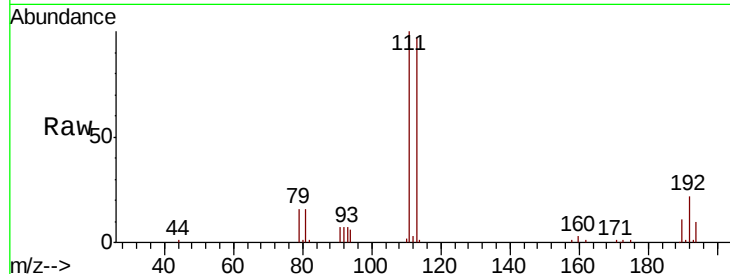




#35
 Dibromofluoromethane
 Concen: 55.383 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026916.D
 Acq: 19 Sep 2018 22:45

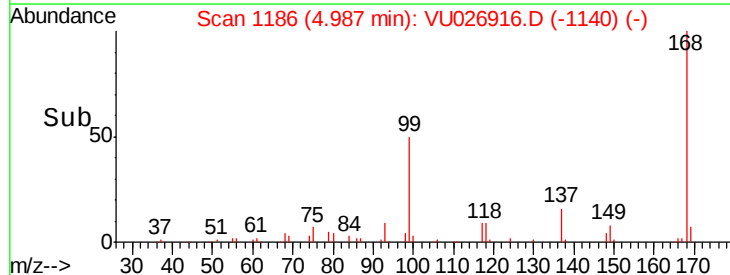
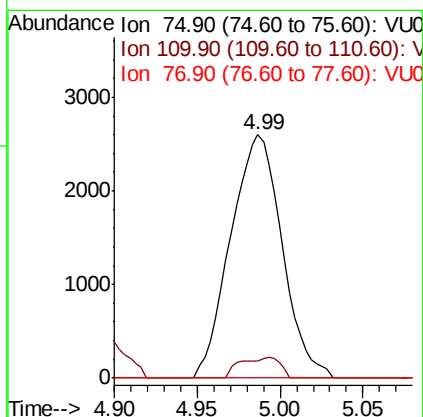
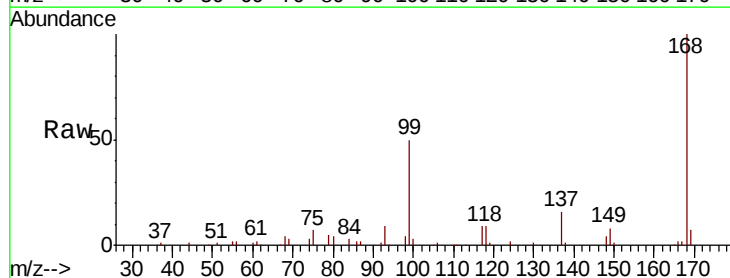
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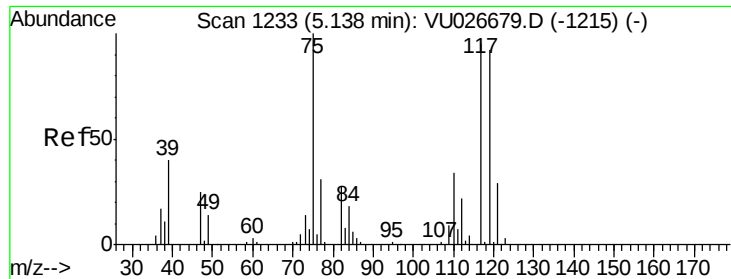
Tgt Ion: 113 Resp: 61552
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.1 124.7
 192 23.0 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 3.663 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU026916.D
 Acq: 19 Sep 2018 22:45

Tgt Ion: 75 Resp: 5603
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.3 51.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.464 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU026916.D

Acq: 19 Sep 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

SA-DUP04-20180912

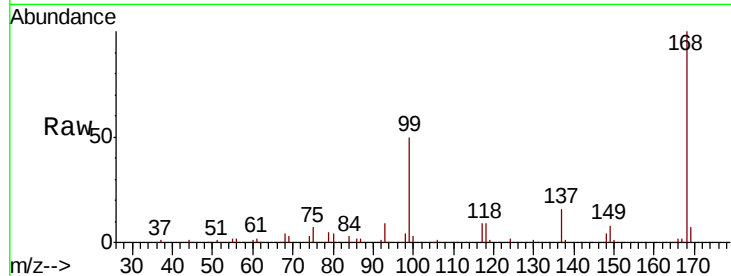
Tgt Ion:117 Resp: 7214

Ion Ratio Lower Upper

117 100

119 5.9 77.8 116.8#

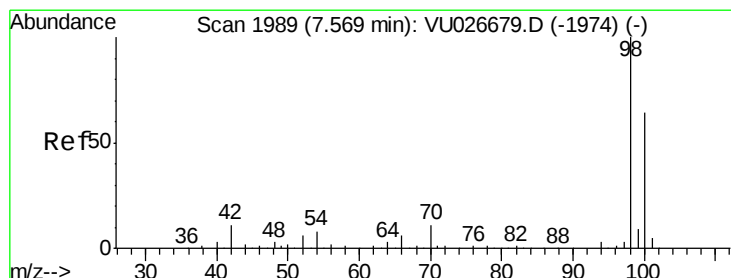
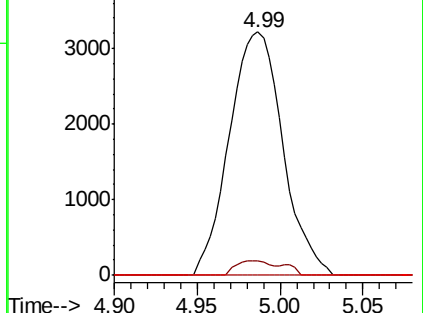
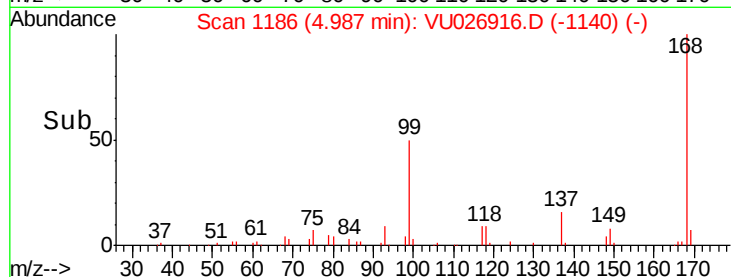
121 0.0 25.0 37.4#



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: 49.843 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VU026916.D

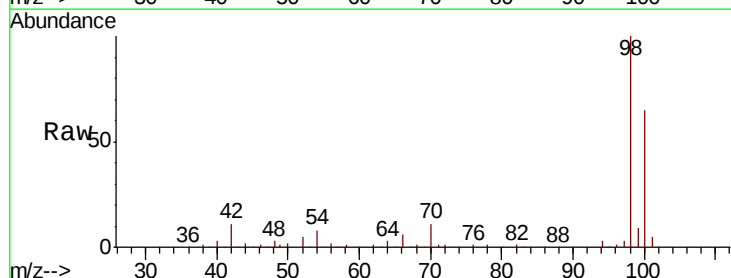
Acq: 19 Sep 2018 22:45

Tgt Ion: 98 Resp: 204884

Ion Ratio Lower Upper

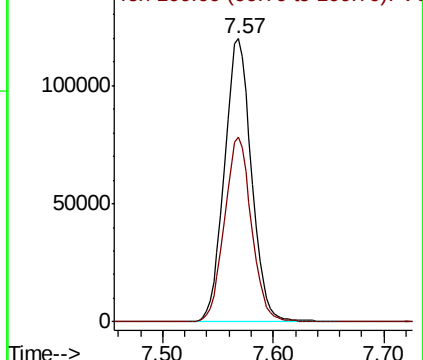
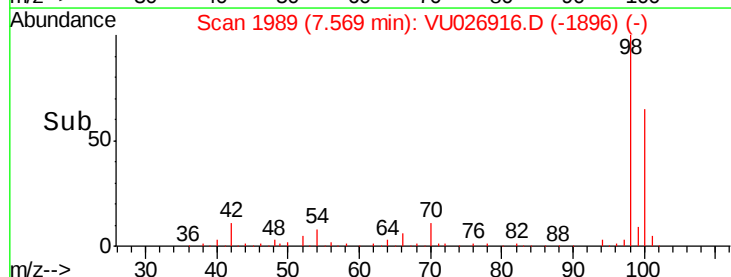
98 100

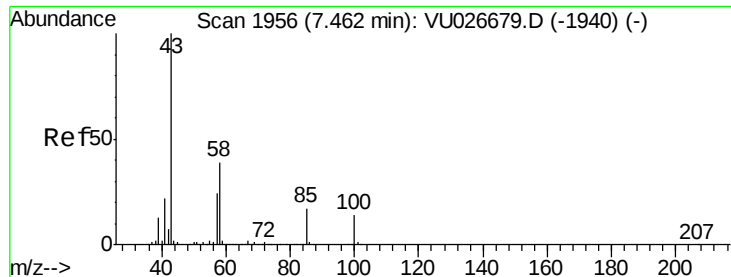
100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

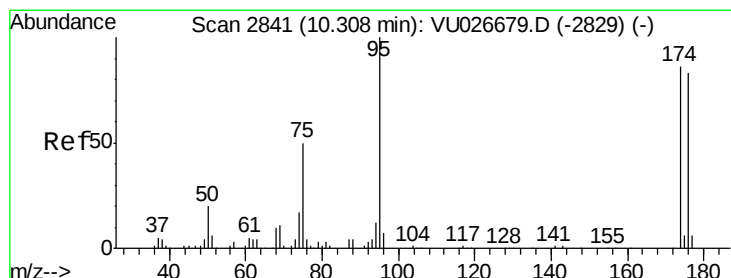
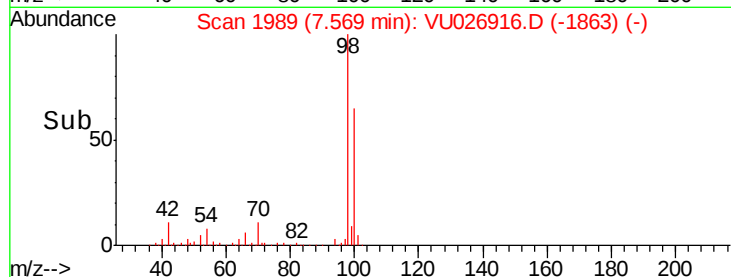
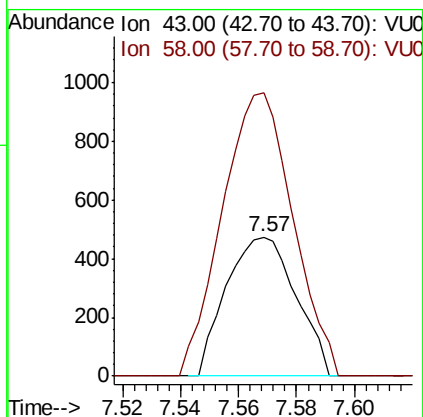
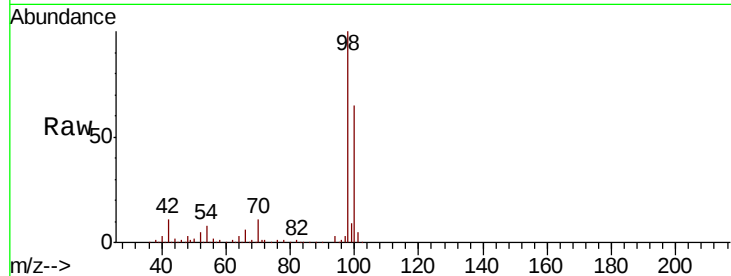




#51
 4-Methyl-2-Pentanone
 Concen: 0.422 ug/l
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU026916.D
 Acq: 19 Sep 2018 22:45

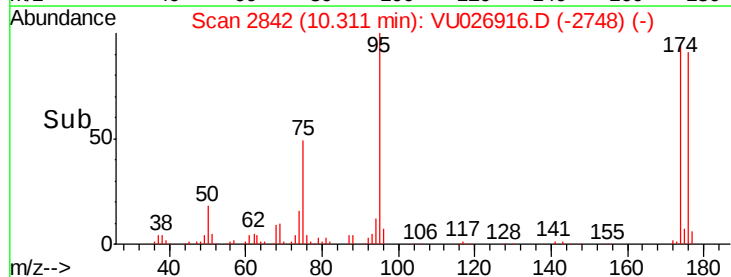
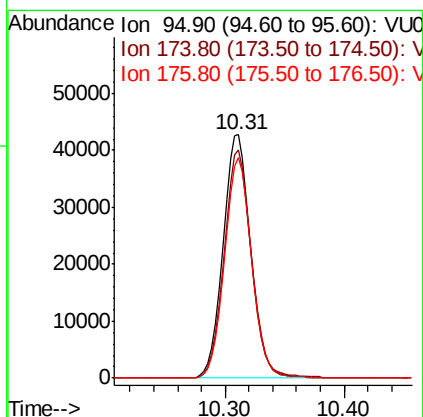
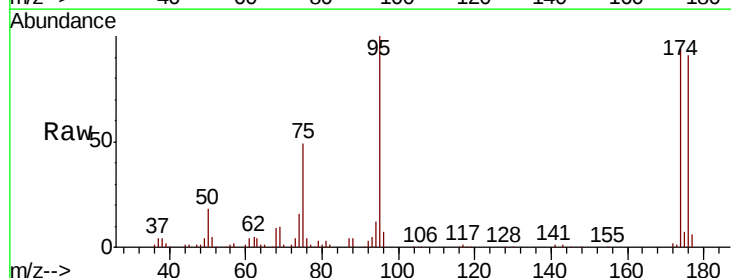
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-DUP04-20180912

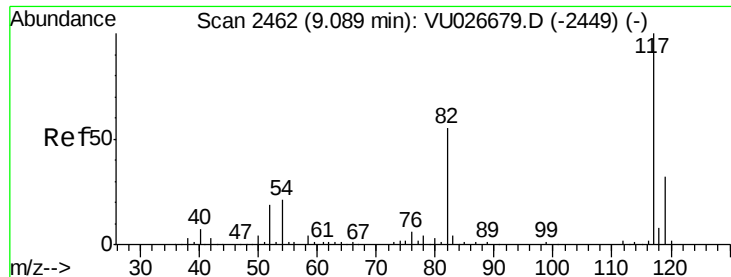
Tgt Ion: 43 Resp: 790
 Ion Ratio Lower Upper
 43 100
 58 206.3 31.1 46.7#



#62
 4-Bromofluorobenzene
 Concen: 46.105 ug/l
 RT: 10.31 min Scan# 2842
 Delta R.T. 0.00 min
 Lab File: VU026916.D
 Acq: 19 Sep 2018 22:45

Tgt Ion: 95 Resp: 68686
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 172.8
 176 88.9 0.0 168.6

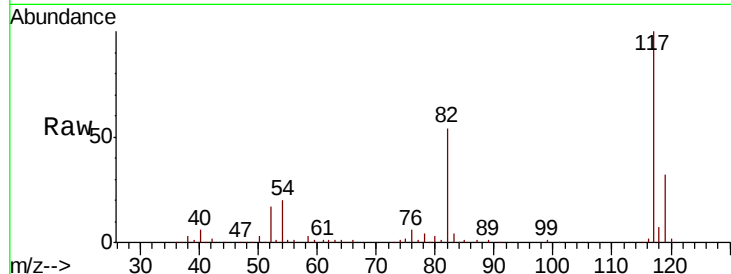




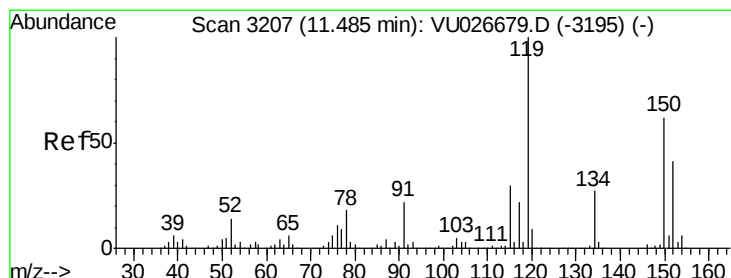
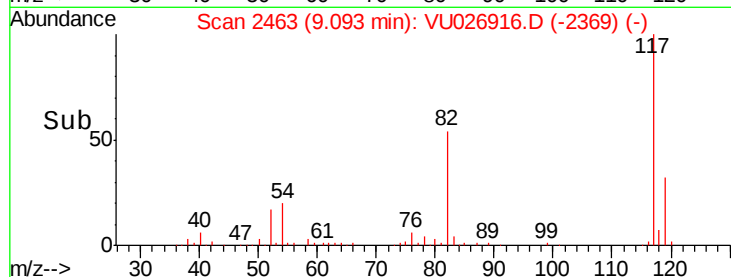
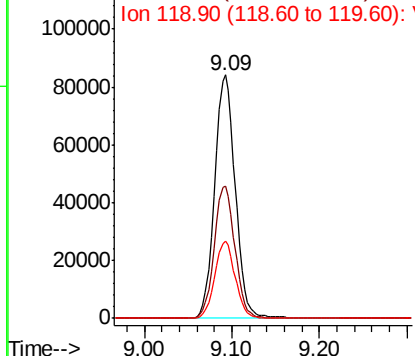
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026916.D
Acq: 19 Sep 2018 22:45

Instrument :
MSVOA_U
ClientSampleId :
SA-DUP04-20180912

Tgt Ion:117 Resp: 137635
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 31.8 25.7 38.5

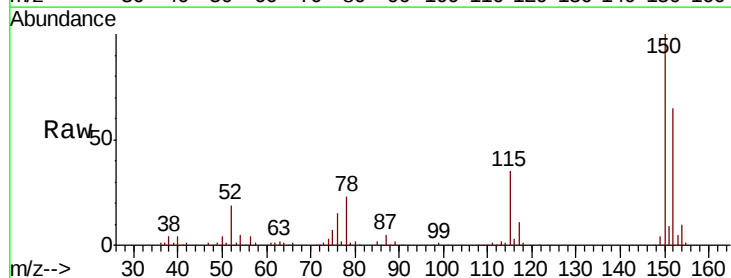


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

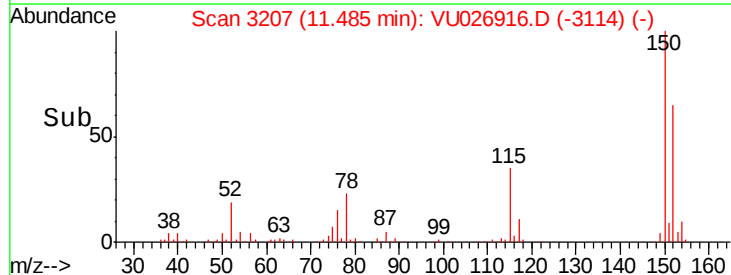
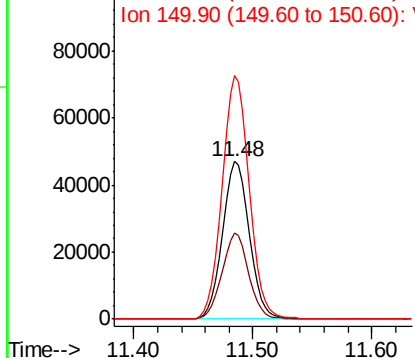


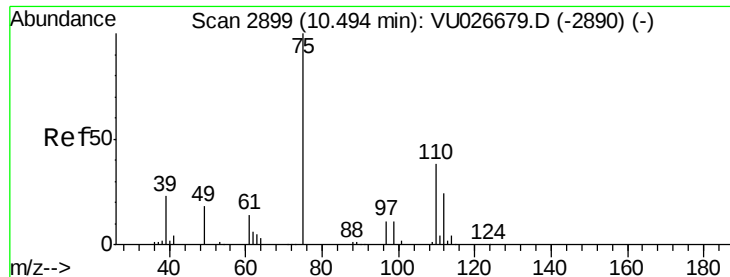
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026916.D
Acq: 19 Sep 2018 22:45

Tgt Ion:152 Resp: 73646
Ion Ratio Lower Upper
152 100
115 54.0 40.4 121.1
150 155.7 0.0 345.2



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: 20.034 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026916.D

Acq: 19 Sep 2018 22:45

Instrument :

MSVOA_U

ClientSampleId :

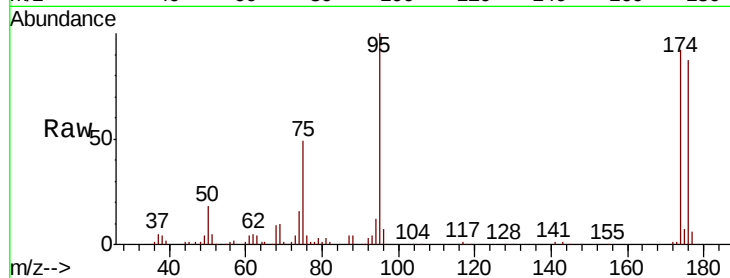
SA-DUP04-20180912

Tgt Ion: 75 Resp: 33051

Ion Ratio Lower Upper

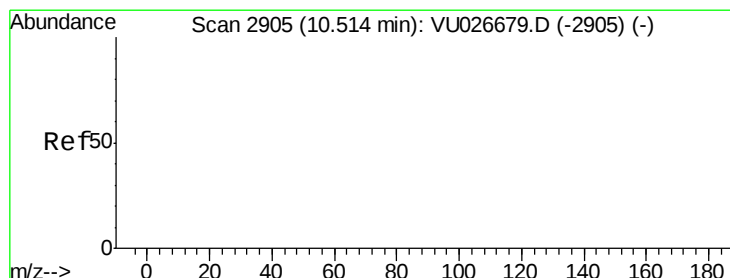
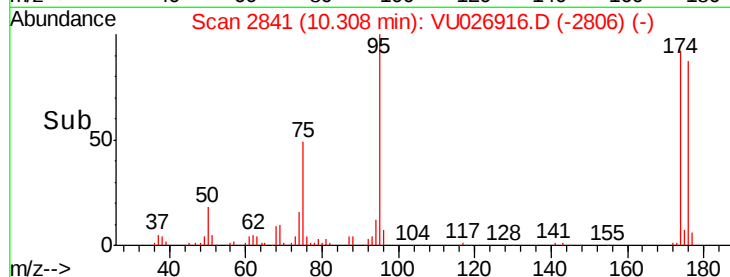
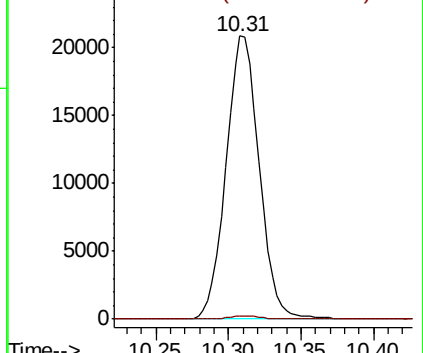
75 100

77 1.0 21.1 63.1#



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: 62.183 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU026916.D

Acq: 19 Sep 2018 22:45

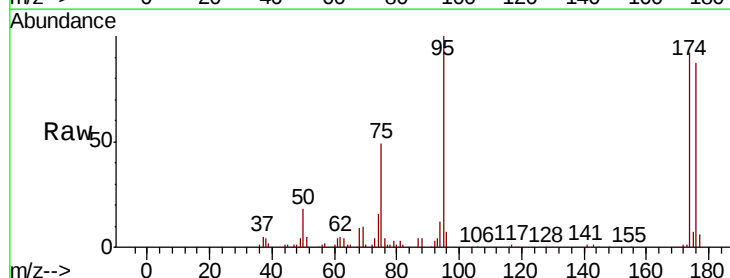
Tgt Ion: 75 Resp: 33051

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

