

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025694.D
 Acq On : 28 Jul 2018 01:52
 Operator : MD/SY
 Sample : J4100-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LA119SW005-W-180719

Quant Time: Jul 28 05:31:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	174840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267597	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159901	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	134958	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	4.89	113	112366	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
50) Toluene-d8	7.57	98	394282	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	10.31	95	150757	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	

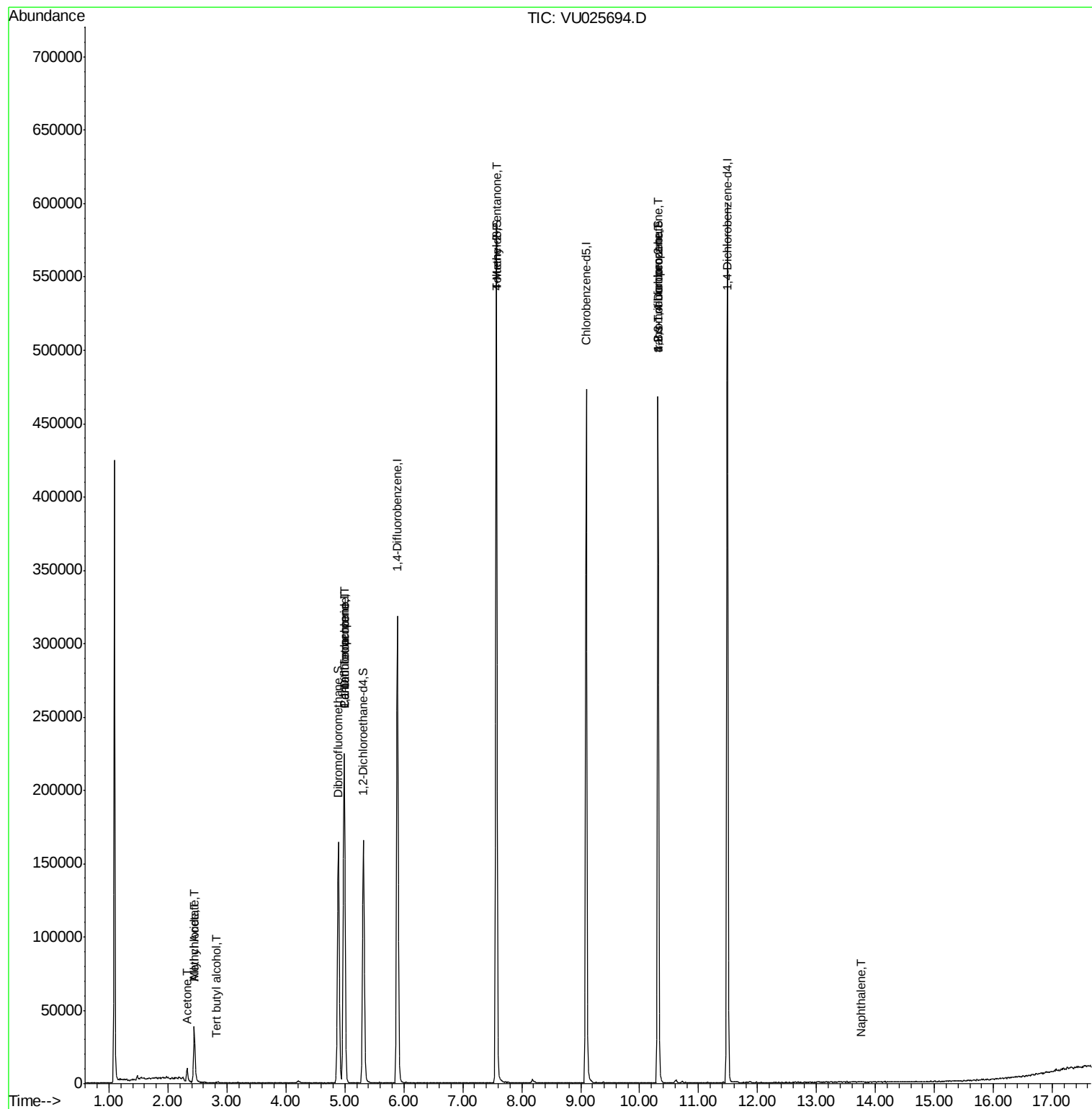
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	145	0.24	ug/l #	73
13) Acrolein	2.21	56	50	Below Cal	#	75
14) Allyl chloride	2.45	41	4172	1.24	ug/l #	74
16) Acetone	2.32	43	9392	7.07	ug/l	99
18) Methyl Acetate	2.45	43	10015	3.13	ug/l #	52
31) Cyclohexane	4.99	56	3478	Below Cal	#	28
36) 1,1-Dichloropropene	4.99	75	11959	3.82	ug/l #	50
38) Carbon Tetrachloride	4.99	117	16514	4.66	ug/l #	17
51) 4-Methyl-2-Pentanone	7.57	43	1694	0.50	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	77805	22.08	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	77805	55.38	ug/l #	100
95) Naphthalene	13.76	128	264	1.27	ug/l #	69

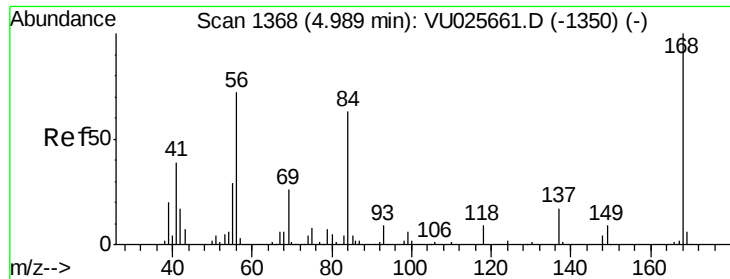
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025694.D

Acq: 28 Jul 2018 01:52

Instrument :

MSVOA_U

ClientSampleId :

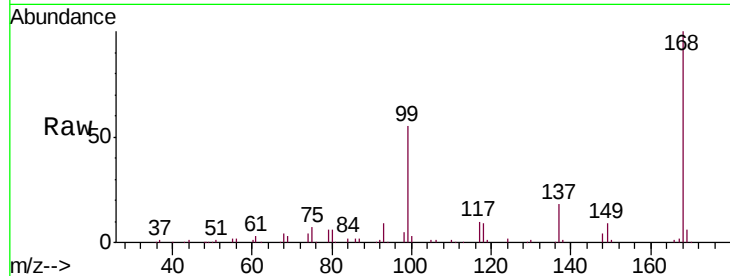
LA119SW005-W-180719

Tot Ion:168 Resp: 174840

Ion Ratio Lower Upper

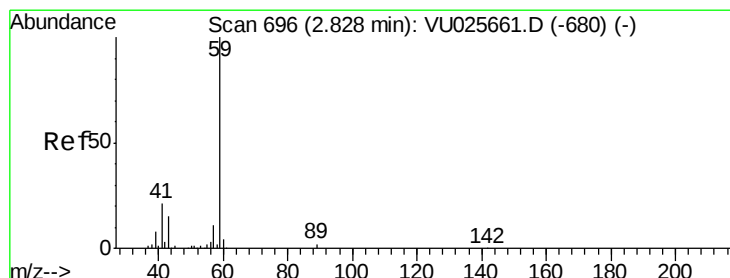
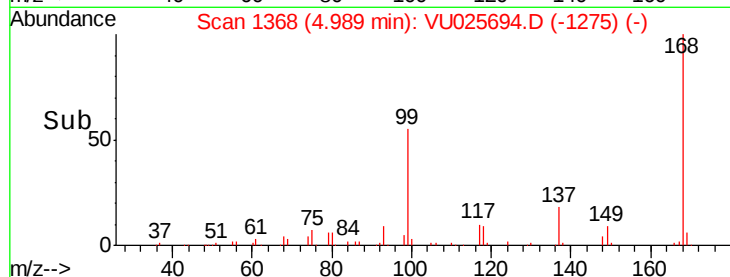
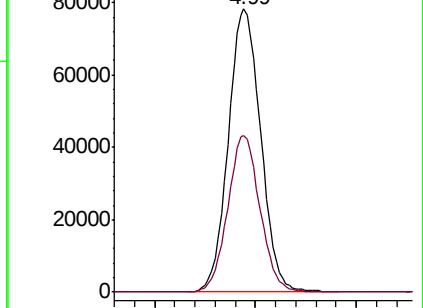
168 100

99 55.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#11

Tert butyl alcohol

Concen: 0.24 ug/l

RT: 2.82 min Scan# 694

Delta R.T. -0.01 min

Lab File: VU025694.D

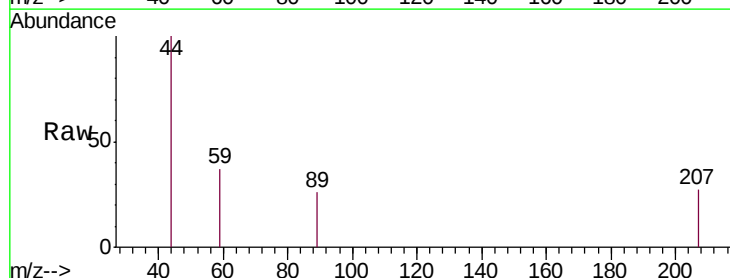
Acq: 28 Jul 2018 01:52

Tgt Ion: 59 Resp: 145

Ion Ratio Lower Upper

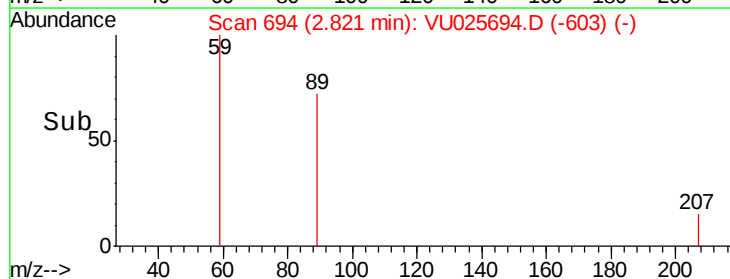
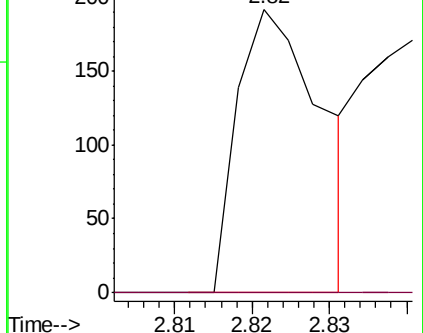
59 100

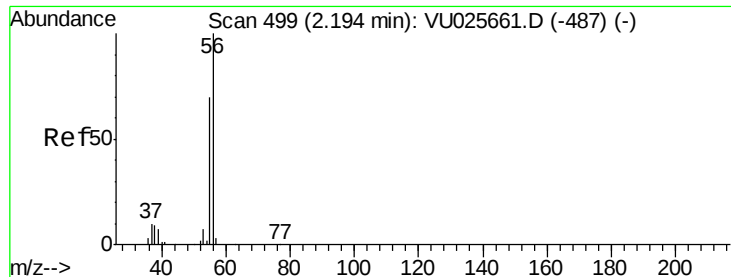
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025661.D (-680) (-)

Ion 57.00 (56.70 to 57.70): VU025661.D (-680) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.21 min Scan# 504

Delta R.T. 0.02 min

Lab File: VU025694.D

Acq: 28 Jul 2018 01:52

Instrument :

MSVOA_U

ClientSampleId :

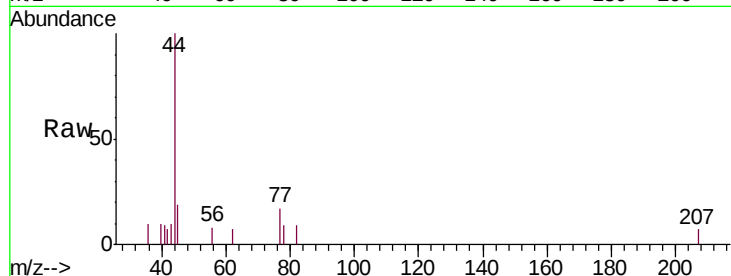
LA119SW005-W-180719

Tot Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

55 92.0 57.2 85.8#



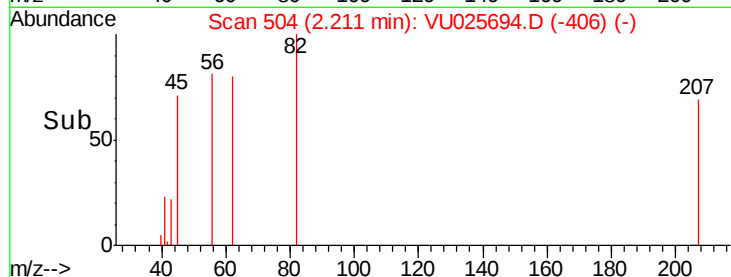
Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

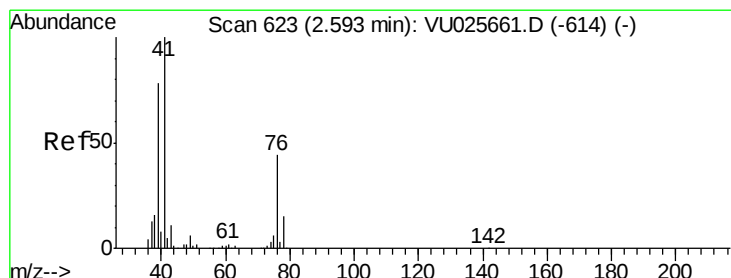
2.21

2.20

2.22



Time-->



#14

Allyl chloride

Concen: 1.24 ug/l

RT: 2.45 min Scan# 577

Delta R.T. -0.15 min

Lab File: VU025694.D

Acq: 28 Jul 2018 01:52

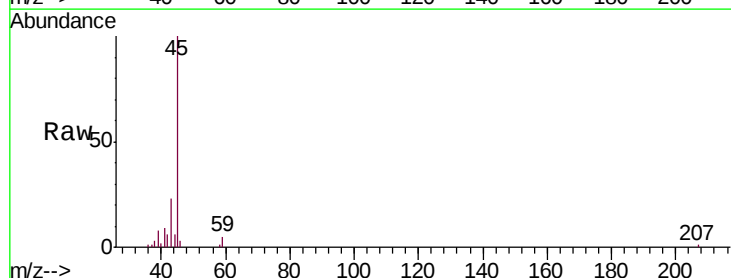
Tgt Ion: 41 Resp: 4172

Ion Ratio Lower Upper

41 100

39 82.0 60.6 91.0

76 0.0 30.5 45.7#



Abundance Ion 41.00 (40.70 to 41.70): VU0

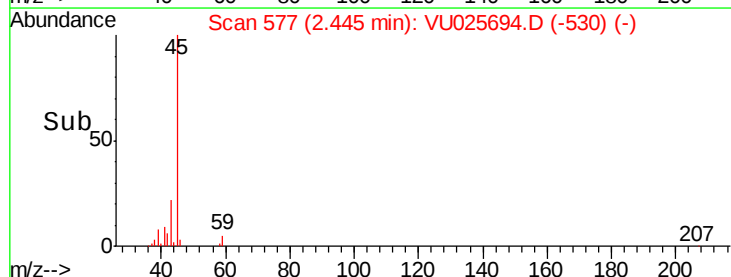
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

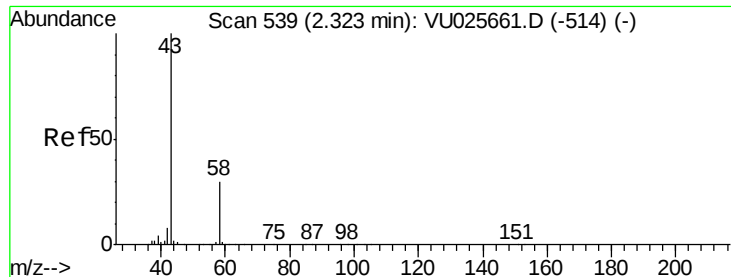
2.45

2.40

2.50



Time-->



#16

Acetone

Concen: 7.07 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025694.D

Acq: 28 Jul 2018 01:52

Instrument :

MSVOA_U

ClientSampleId :

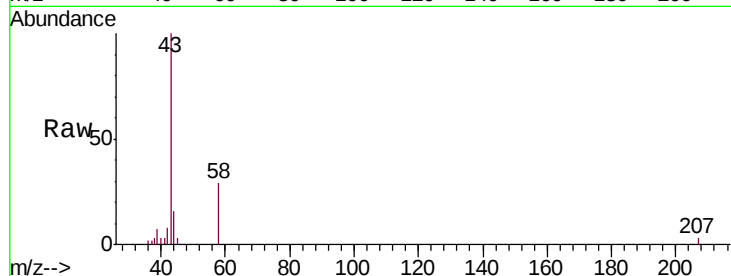
LA119SW005-W-180719

Tot Ion: 43 Resp: 9392

Ion Ratio Lower Upper

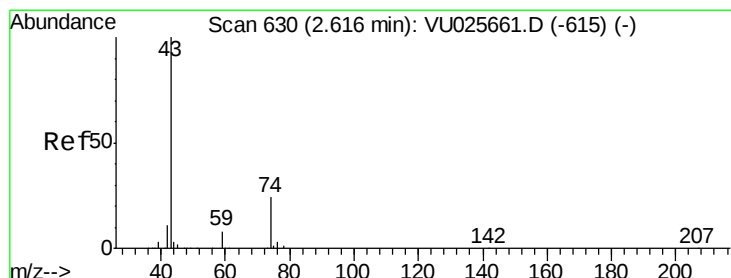
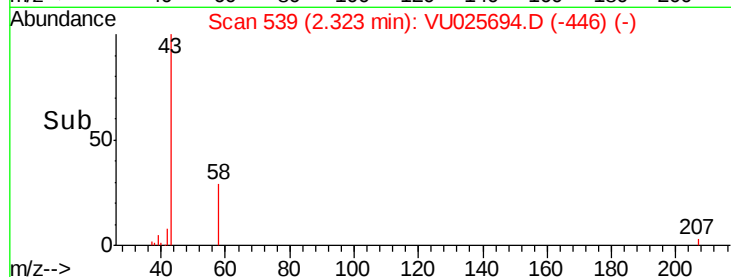
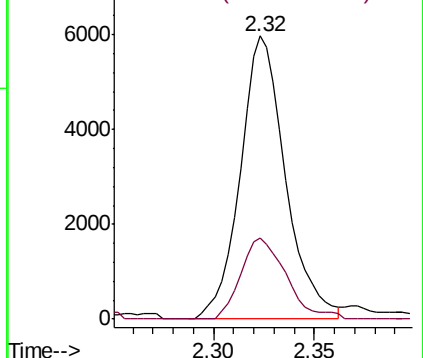
43 100

58 28.5 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 3.13 ug/l

RT: 2.45 min Scan# 577

Delta R.T. -0.17 min

Lab File: VU025694.D

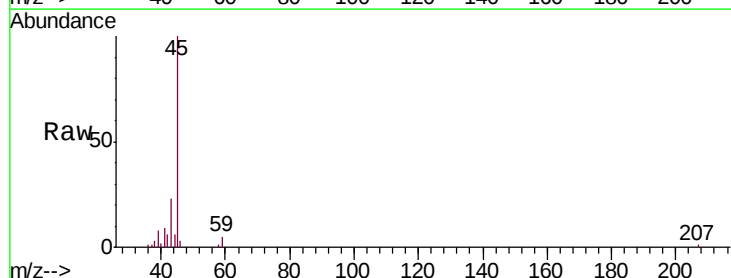
Acq: 28 Jul 2018 01:52

Tgt Ion: 43 Resp: 10015

Ion Ratio Lower Upper

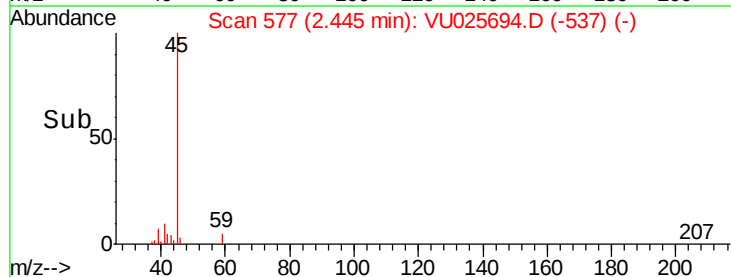
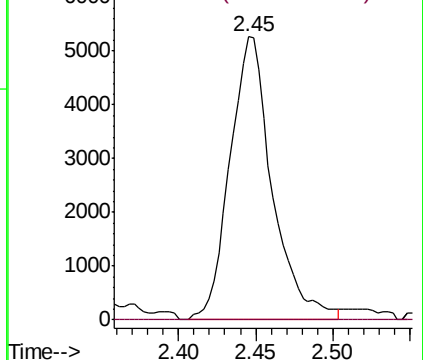
43 100

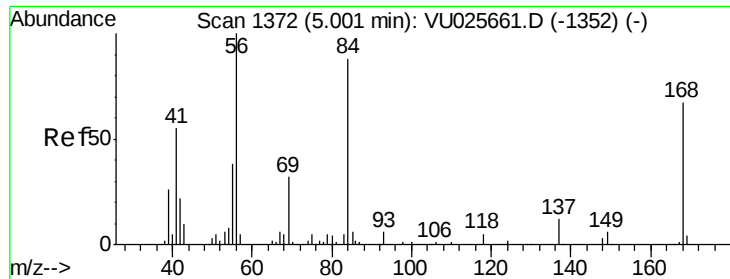
74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

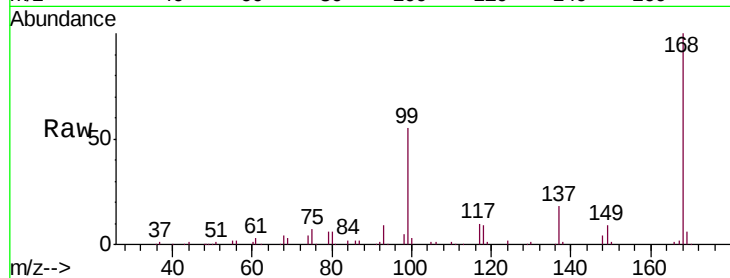




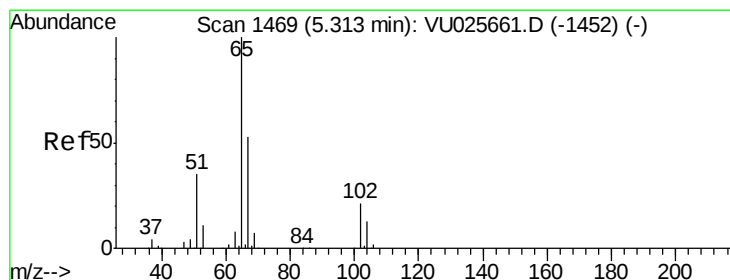
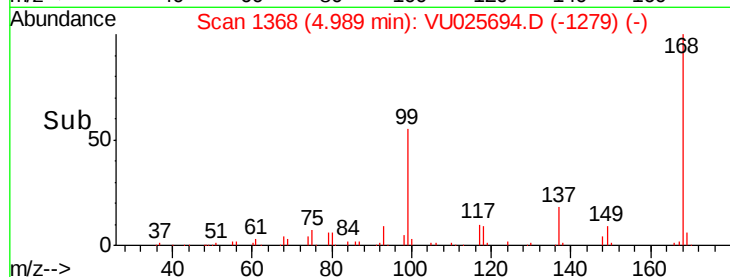
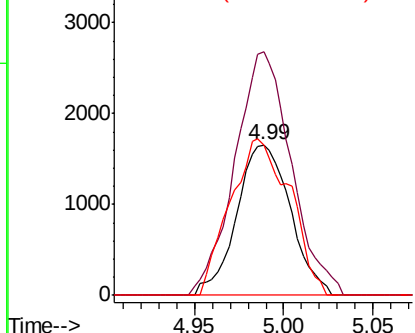
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025694.D
Acq: 28 Jul 2018 01:52

Instrument :
MSVOA_U
ClientSampleId :
LA119SW005-W-180719

Tot Ion: 56 Resp: 3478
Ion Ratio Lower Upper
56 100
69 161.8 26.8 40.2#
84 99.6 69.7 104.5

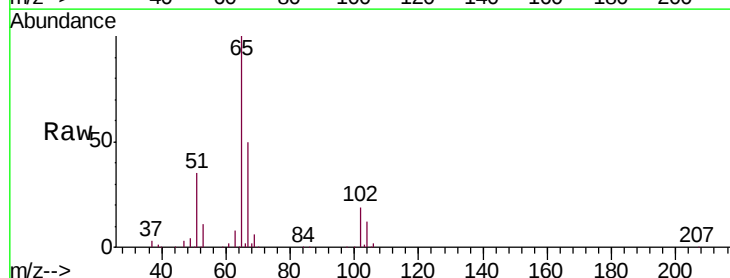


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

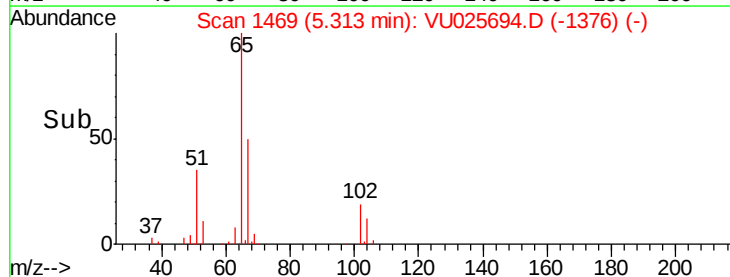
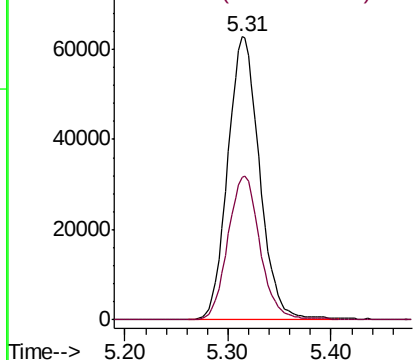


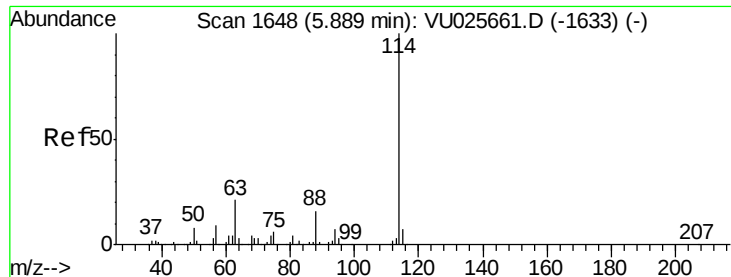
#33
1,2-Dichloroethane-d4
Concen: 49.54 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025694.D
Acq: 28 Jul 2018 01:52

Tgt Ion: 65 Resp: 134958
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.6



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

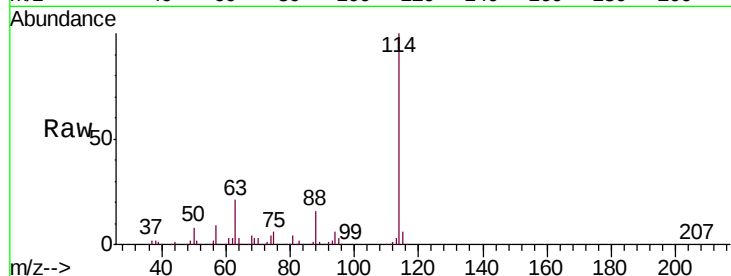




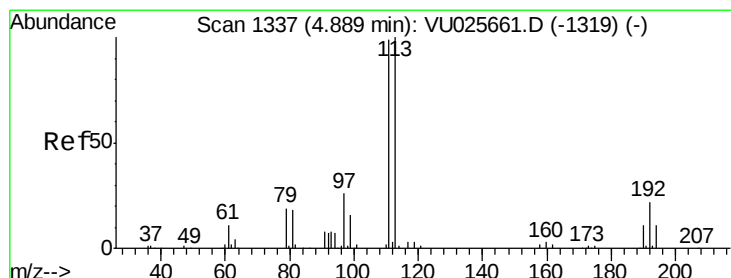
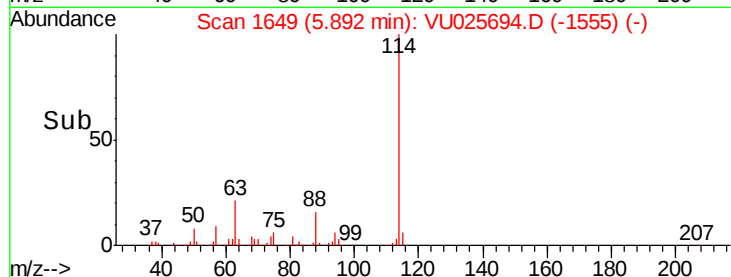
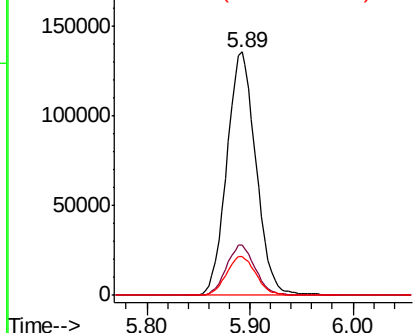
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.89 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU025694.D
Acq: 28 Jul 2018 01:52

Instrument :
MSVOA_U
ClientSampleId :
LA119SW005-W-180719

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.6
88	15.8	0.0	32.4

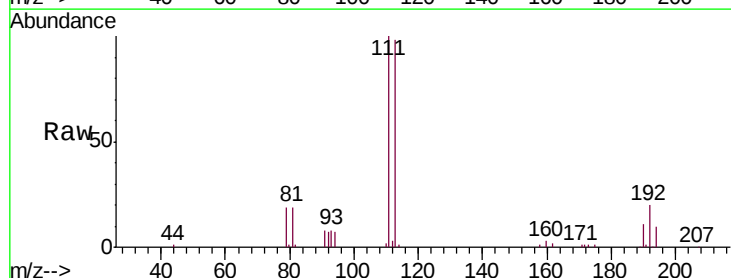


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

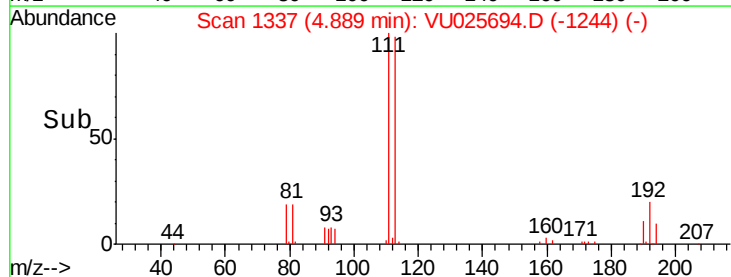
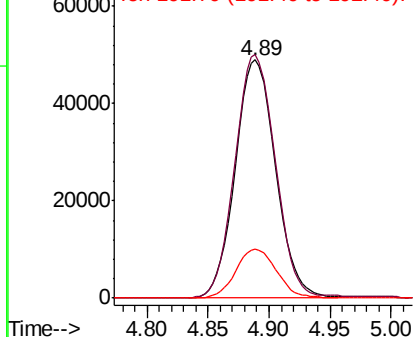


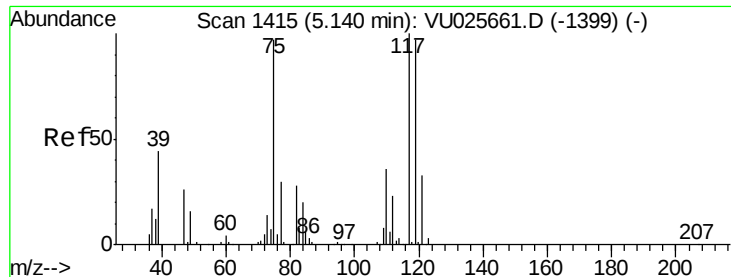
#35
Dibromofluoromethane
Concen: 48.28 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025694.D
Acq: 28 Jul 2018 01:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.7	122.5
192	20.8	17.1	25.7



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

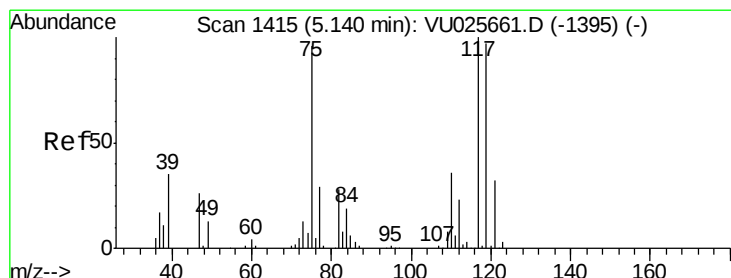
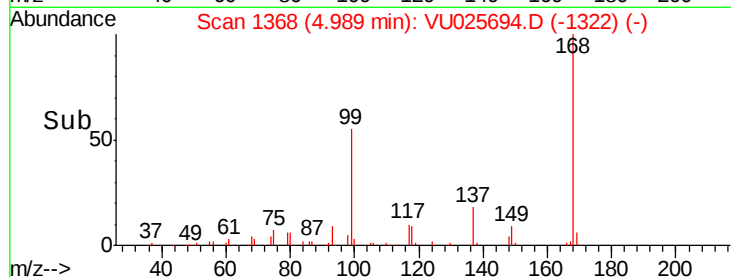
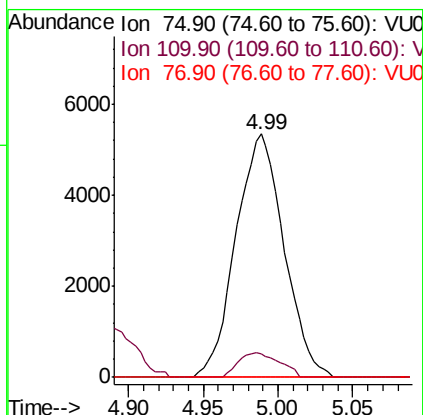
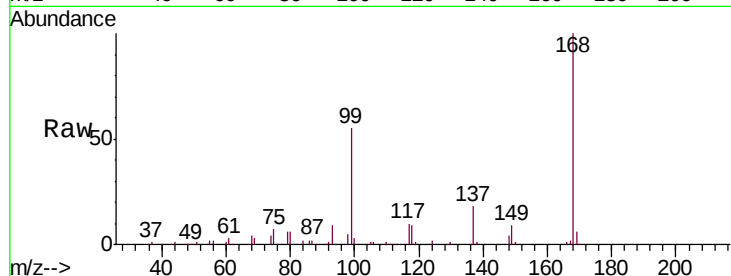




#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025694.D
 Acq: 28 Jul 2018 01:52

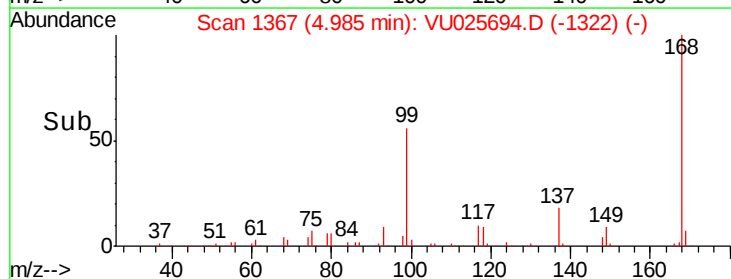
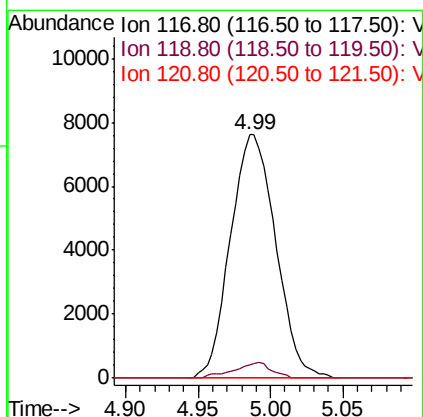
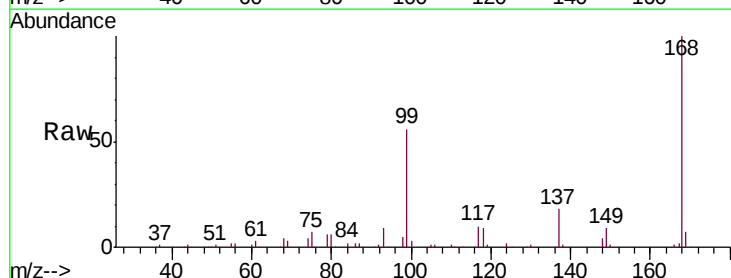
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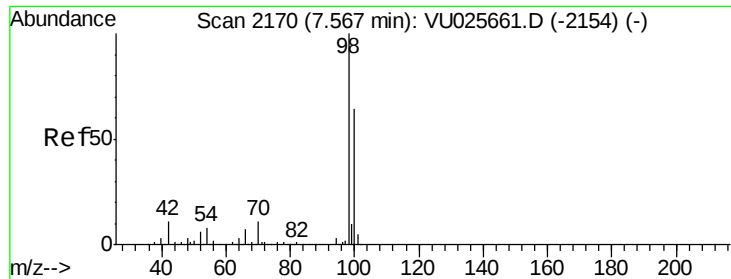
Tot Ion: 75 Resp: 11959
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.6 52.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.66 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025694.D
 Acq: 28 Jul 2018 01:52

Tgt Ion: 117 Resp: 16514
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.7 113.5#
 121 0.0 24.6 36.8#

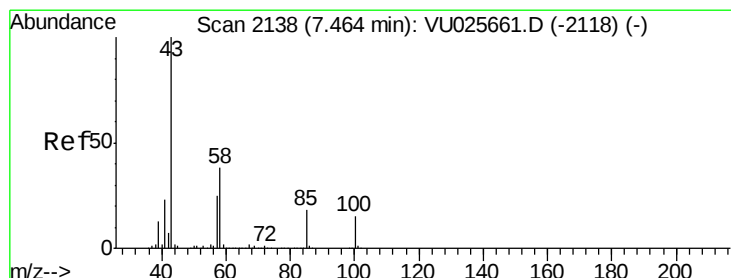
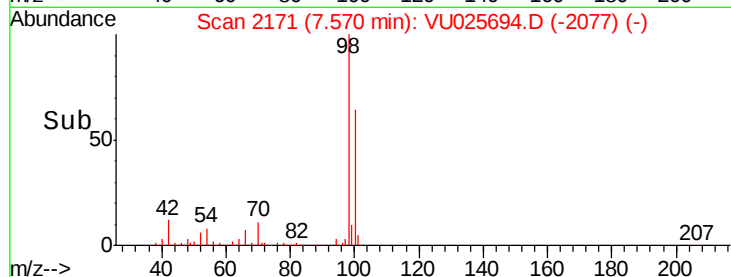
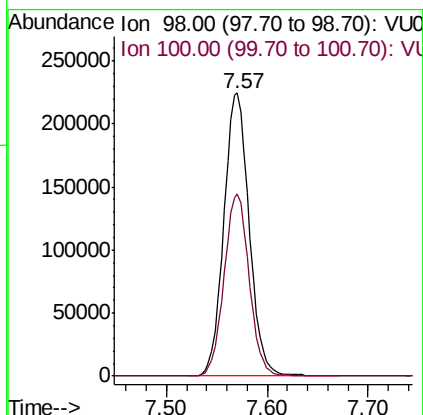
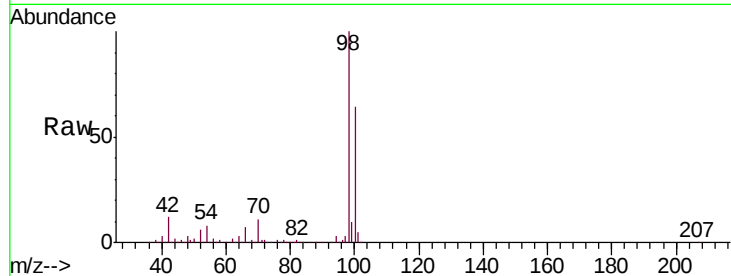




#50
Toluene-d8
Concen: 48.41 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025694.D
Acq: 28 Jul 2018 01:52

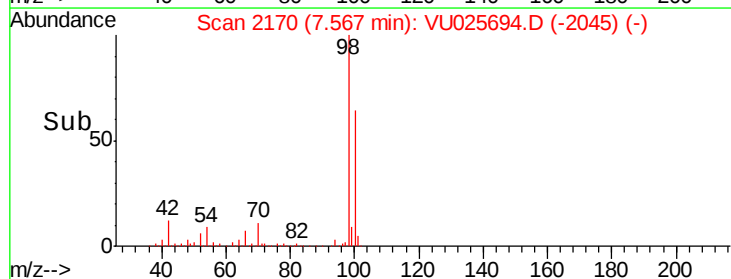
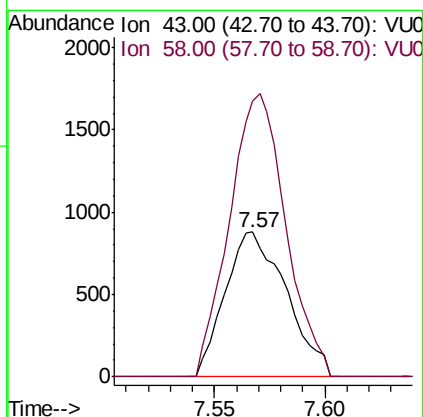
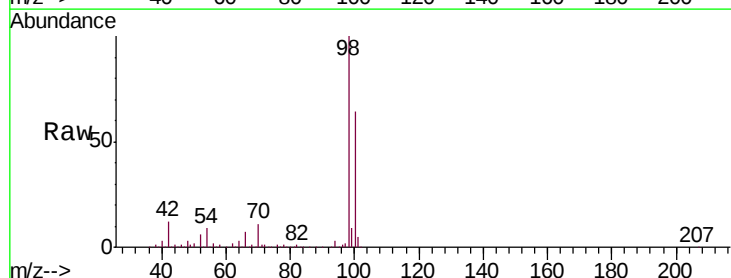
Instrument :
MSVOA_U
ClientSampleId :
LA119SW005-W-180719

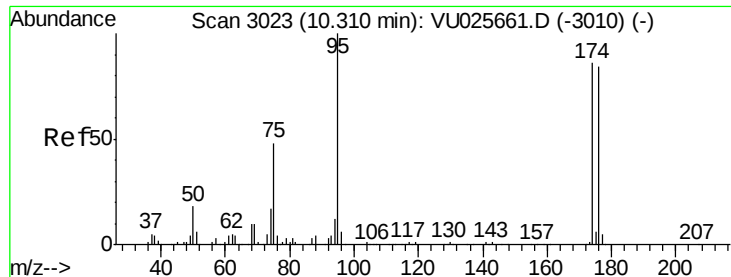
Tot Ion: 98 Resp: 394282
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.10 min
Lab File: VU025694.D
Acq: 28 Jul 2018 01:52

Tgt Ion: 43 Resp: 1694
Ion Ratio Lower Upper
43 100
58 180.0 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 47.69 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025694.D

Acq: 28 Jul 2018 01:52

Instrument :

MSVOA_U

ClientSampleId :

LA119SW005-W-180719

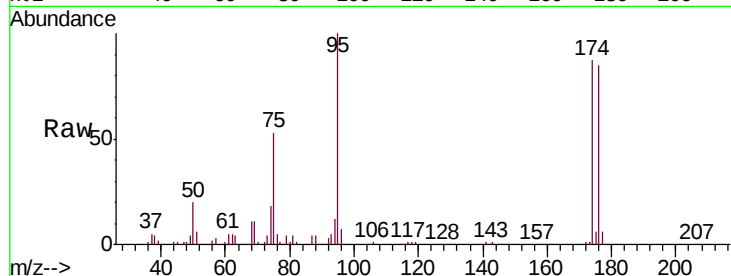
Tot Ion: 95 Resp: 150757

Ion Ratio Lower Upper

95 100

174 88.9 0.0 172.2

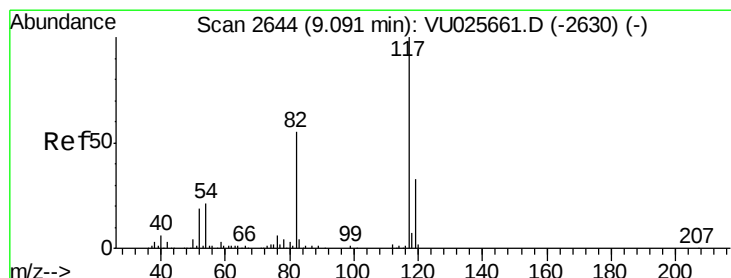
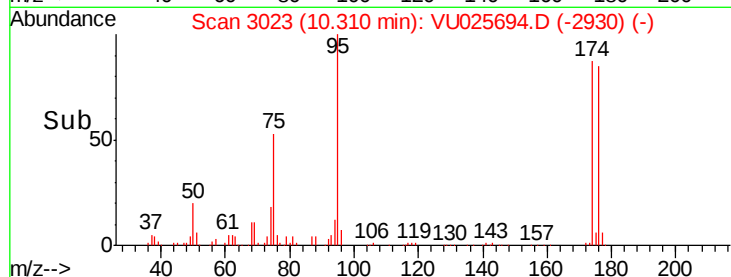
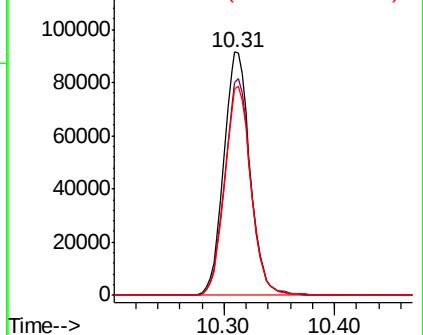
176 85.8 0.0 162.6



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: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025694.D

Acq: 28 Jul 2018 01:52

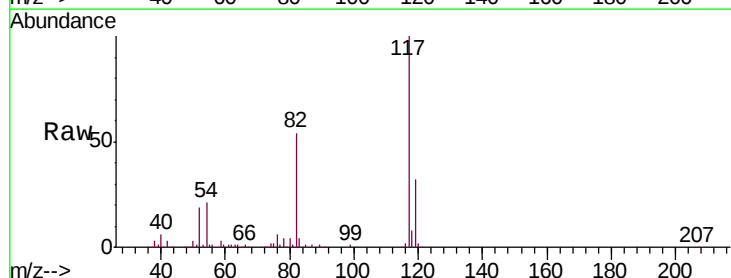
Tgt Ion: 117 Resp: 265030

Ion Ratio Lower Upper

117 100

82 54.2 46.0 69.0

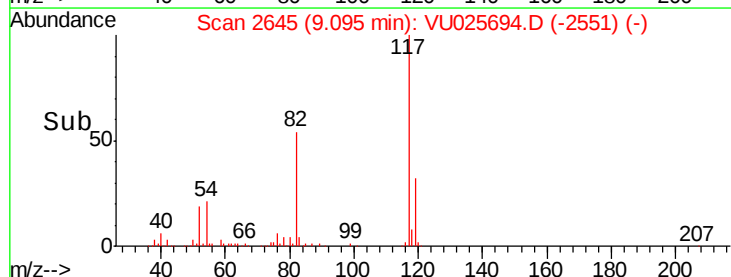
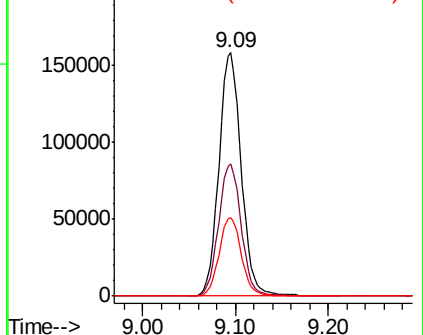
119 32.2 26.0 39.0

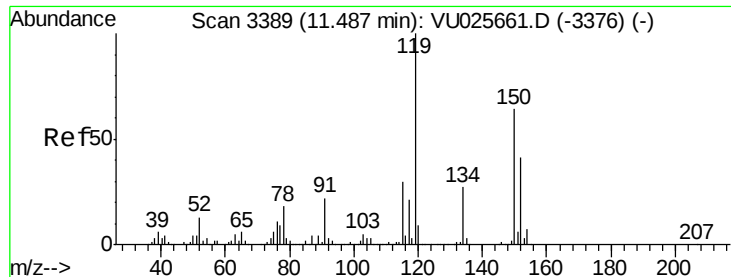


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025694.D

Acq: 28 Jul 2018 01:52

Instrument :

MSVOA_U

ClientSampleId :

LA119SW005-W-180719

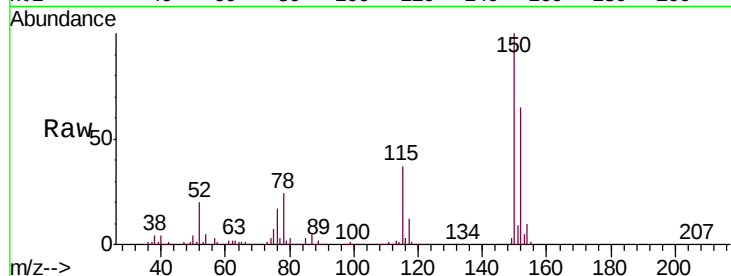
Tot Ion:152 Resp: 159901

Ion Ratio Lower Upper

152 100

115 57.3 40.1 120.3

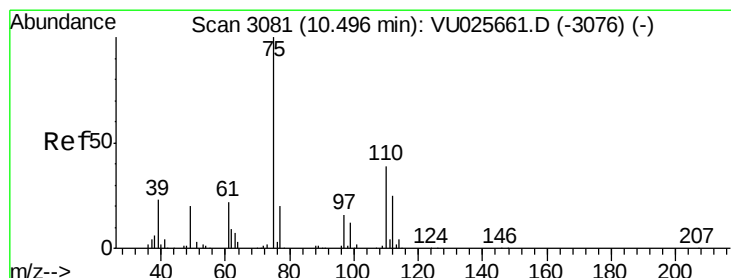
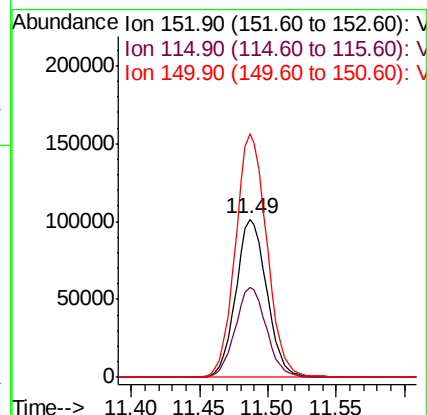
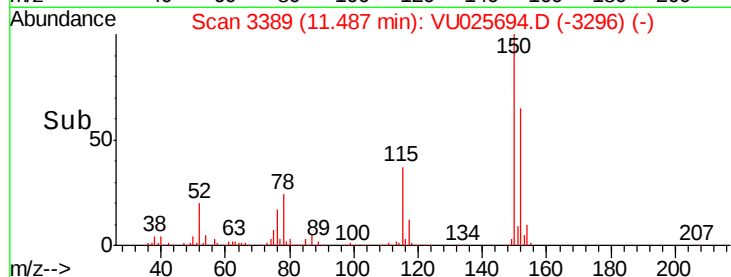
150 155.9 0.0 351.4



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: 22.08 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025694.D

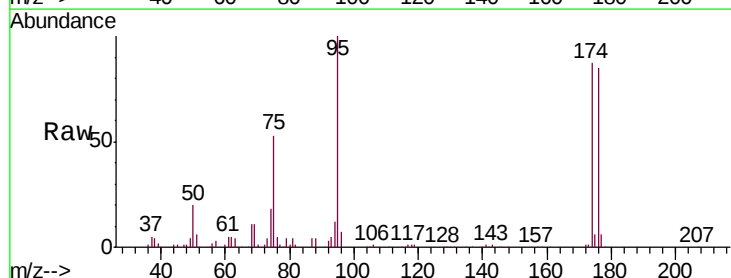
Acq: 28 Jul 2018 01:52

Tgt Ion: 75 Resp: 77805

Ion Ratio Lower Upper

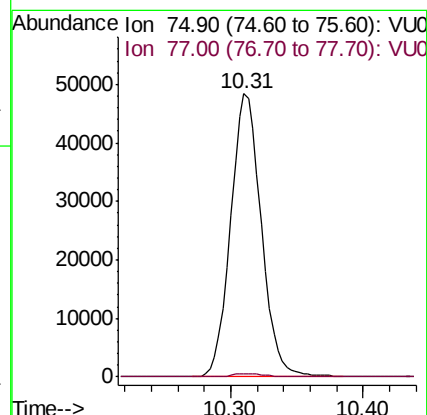
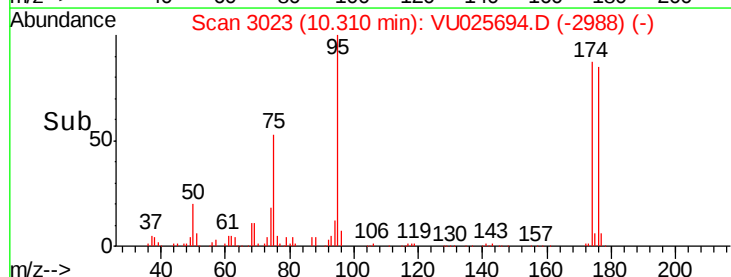
75 100

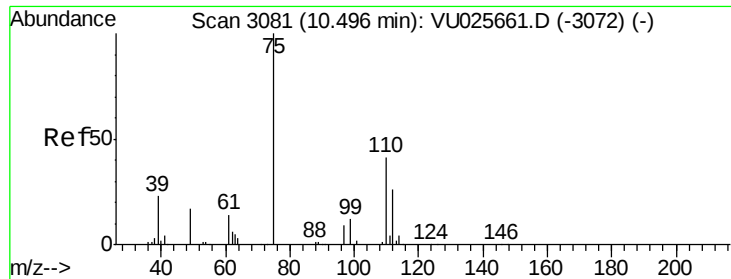
77 1.2 20.4 61.3#



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: 55.38 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025694.D

Acq: 28 Jul 2018 01:52

Instrument :

MSVOA_U

ClientSampleId :

LA119SW005-W-180719

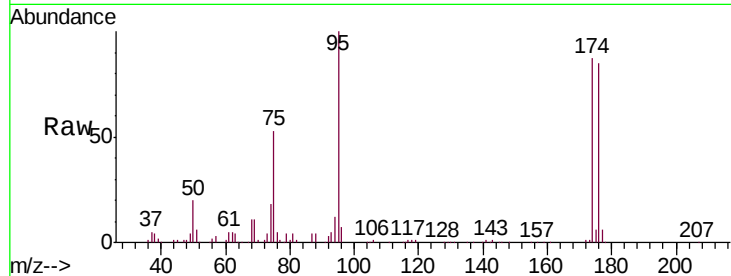
Tot Ion: 75 Resp: 77805

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

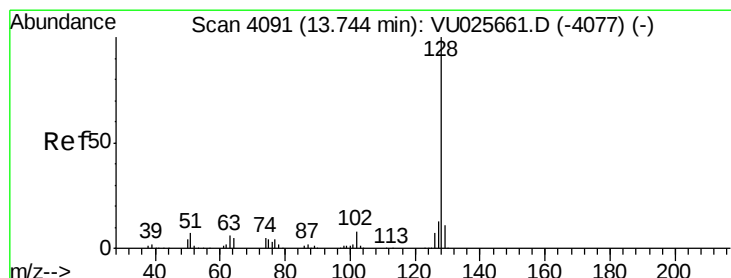
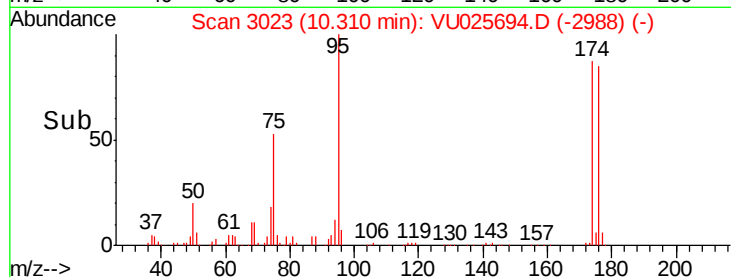
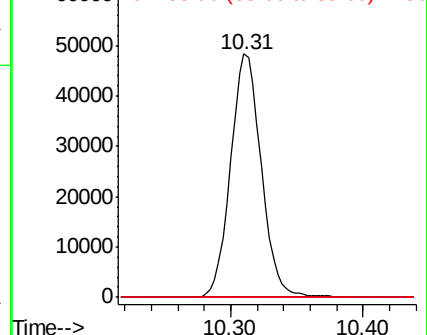
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3072) (-)

Ion 53.00 (52.70 to 53.70): VU025661.D (-3072) (-)

Ion 88.90 (88.60 to 89.60): VU025661.D (-3072) (-)



#95

Naphthalene

Concen: 1.27 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU025694.D

Acq: 28 Jul 2018 01:52

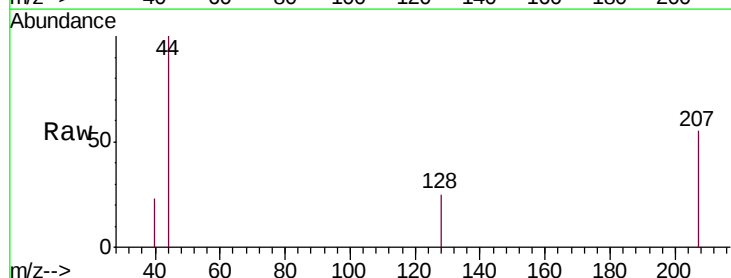
Tgt Ion: 128 Resp: 264

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): VU025661.D (-4077) (-)

Ion 127.00 (126.70 to 127.70): VU025661.D (-4077) (-)

Ion 129.00 (128.70 to 129.70): VU025661.D (-4077) (-)

