

Data File : VU026999.D
Acq On : 22 Sep 2018 06:08
Operator : MD/SY
Sample : J4934-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ145D-20180912

Quant Time: Sep 24 02:45:01 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	74135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	148564	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73637	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	90280	60.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.02%	
35) Dibromofluoromethane	4.88	113	67573	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	7.57	98	237708	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	10.31	95	83903	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

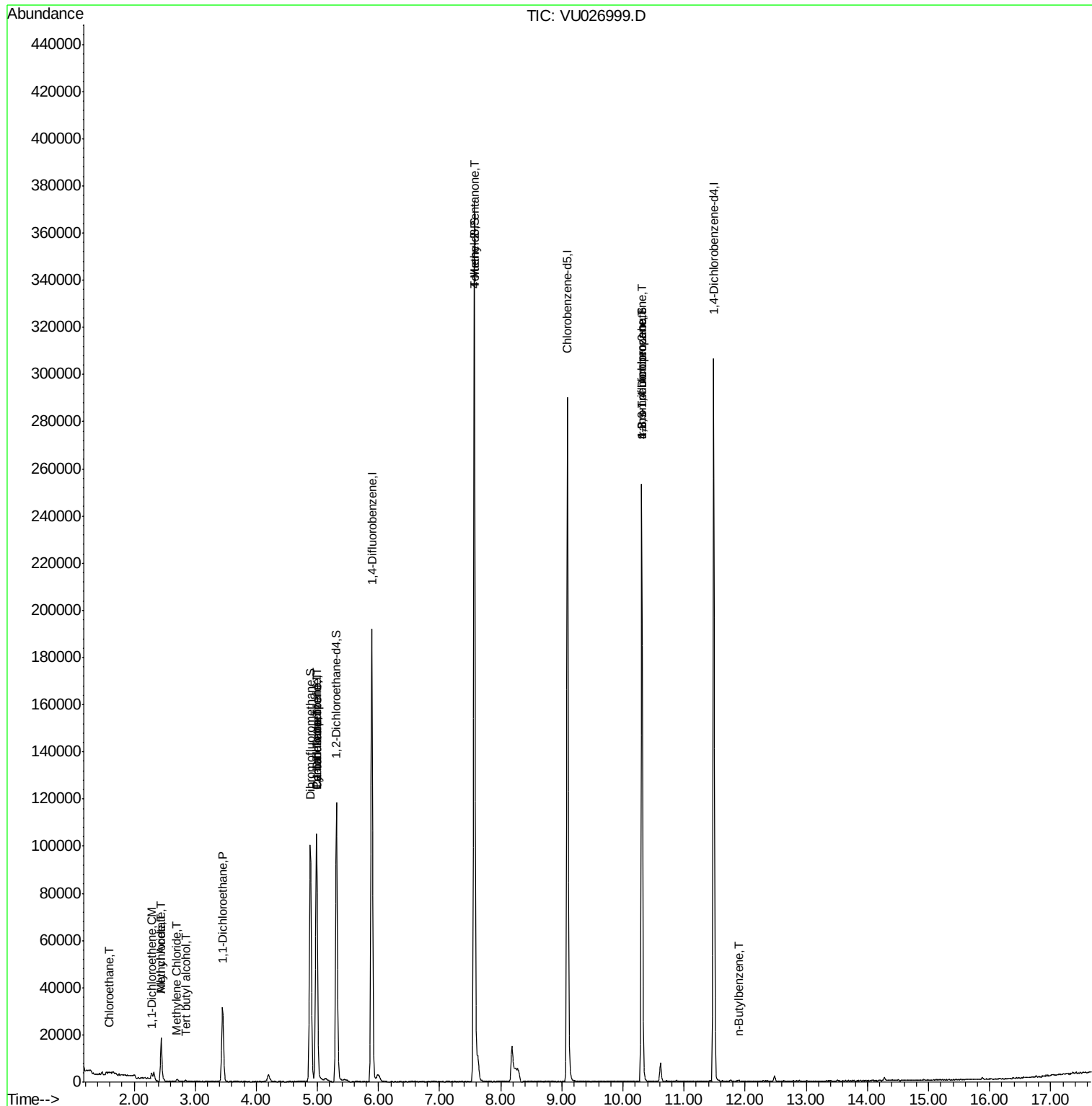
						Qvalue
6) Chloroethane	1.59	64	2641	2.653	ug/l #	43
11) Tert butyl alcohol	2.84	59	351	1.026	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	780	0.762	ug/l	98
14) Allyl chloride	2.44	41	2034	0.979	ug/l #	79
16) Acetone	2.32	43	3207	Below Cal		96
18) Methyl Acetate	2.44	43	4837	2.278	ug/l #	55
20) Methylene Chloride	2.71	84	395	0.296	ug/l #	75
24) 1,1-Dichloroethane	3.45	63	35936	14.689	ug/l	99
31) Cyclohexane	4.98	56	1843	0.257	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	6840	3.450	ug/l #	49
38) Carbon Tetrachloride	4.99	117	7796	4.132	ug/l #	20
51) 4-Methyl-2-Pentanone	7.57	43	1197	0.455	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	45279	20.240	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	45279	64.773	ug/l #	100
89) n-Butylbenzene	11.90	91	109	2.413	ug/l #	33

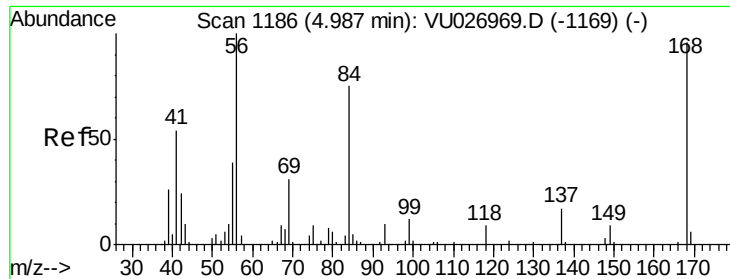
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU026999.D

Acq: 22 Sep 2018 06:08

Instrument :

MSVOA_U

ClientSampleId :

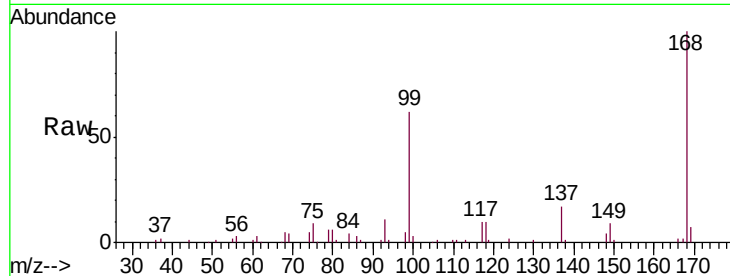
SA-PZ145D-20180912

Tgt Ion:168 Resp: 74135

Ion Ratio Lower Upper

168 100

99 61.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026999.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026999.D (-1169) (-)

4.99

30000

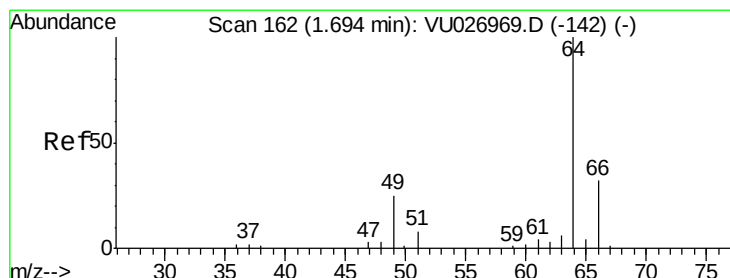
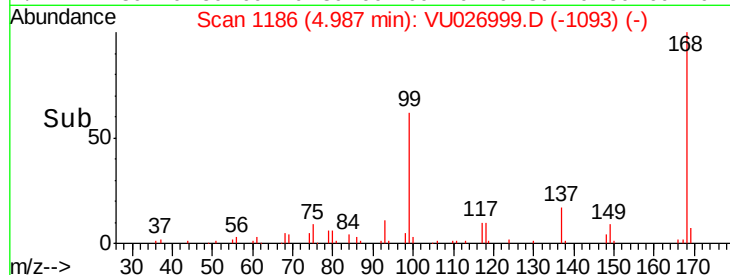
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 2.653 ug/l

RT: 1.59 min Scan# 131

Delta R.T. -0.10 min

Lab File: VU026999.D

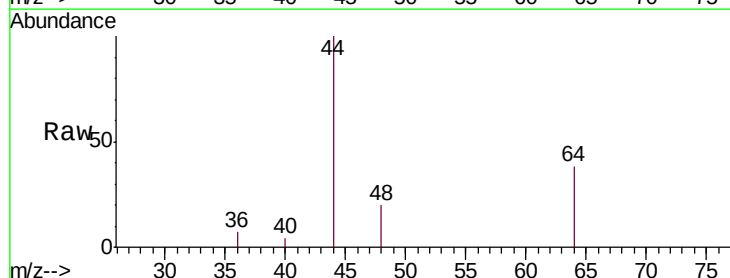
Acq: 22 Sep 2018 06:08

Tgt Ion: 64 Resp: 2641

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026999.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026999.D (-142) (-)

1.59

1000

800

600

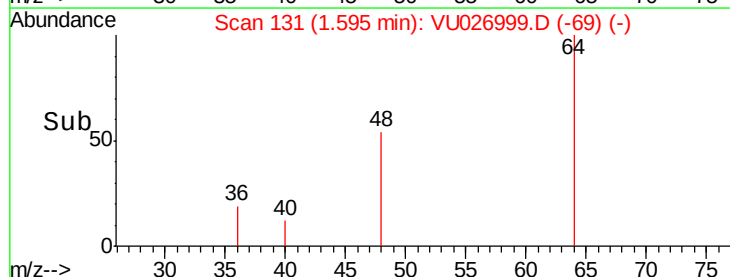
400

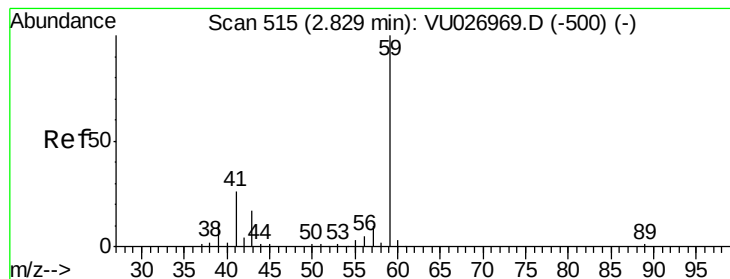
200

0

1.50 1.55 1.60

Time-->



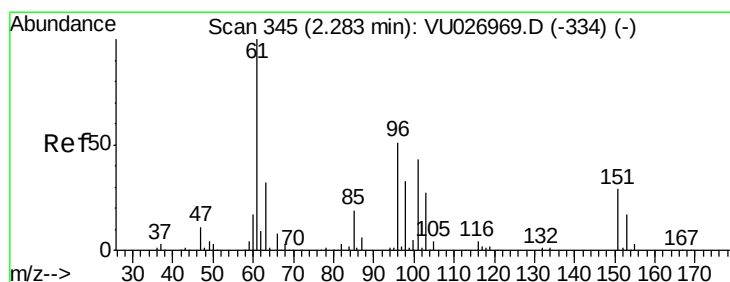
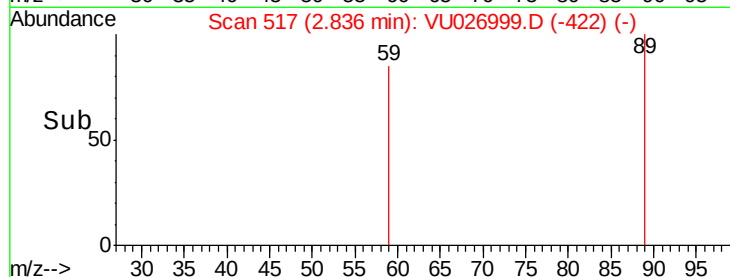
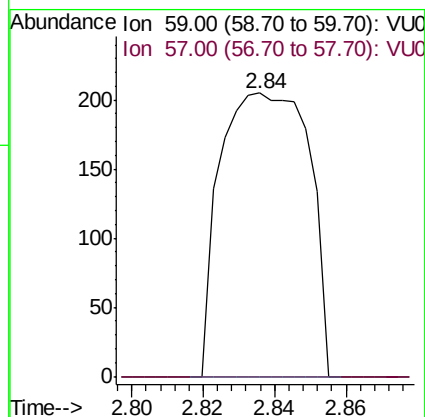
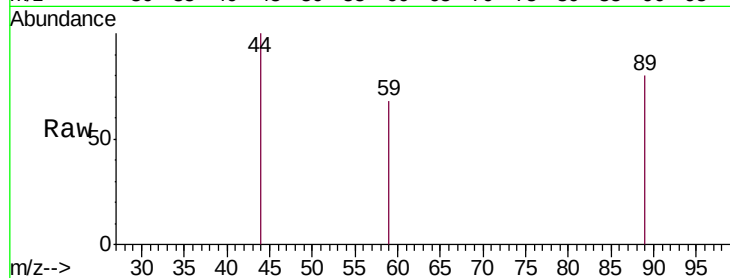


#11

Tert butyl alcohol
 Concen: 1.026 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ145D-20180912

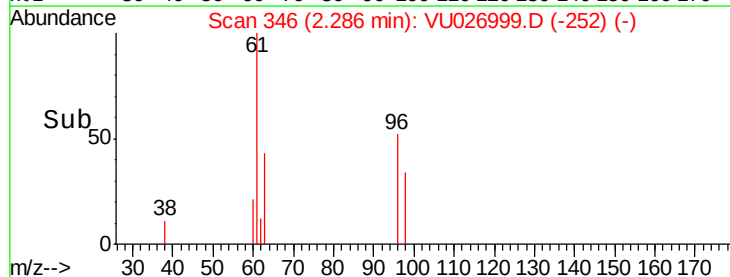
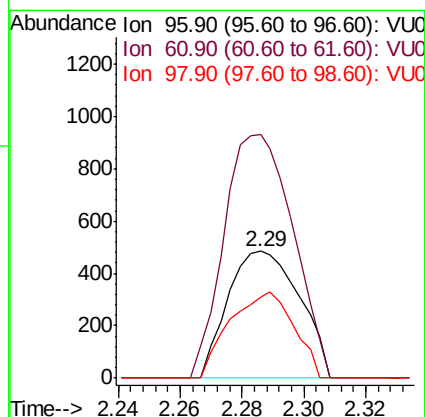
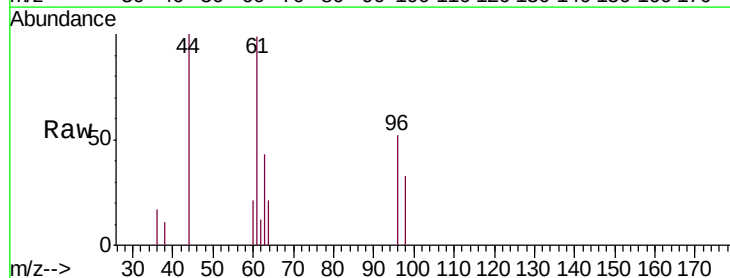
Tgt Ion: 59 Resp: 351
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

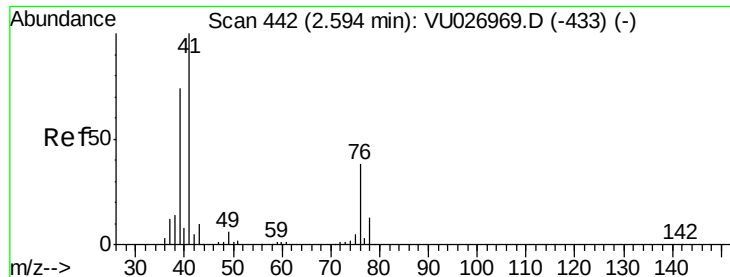


#12

1,1-Dichloroethene
 Concen: 0.762 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

Tgt Ion: 96 Resp: 780
 Ion Ratio Lower Upper
 96 100
 61 192.0 156.1 234.1
 98 64.3 51.4 77.0

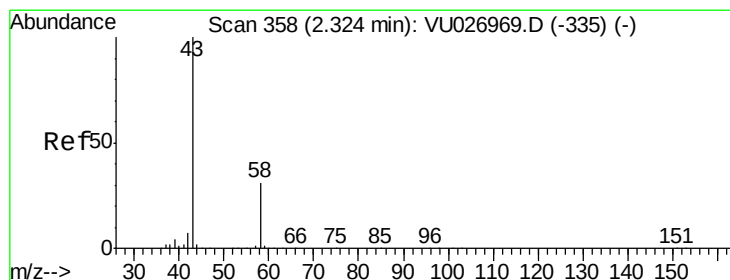
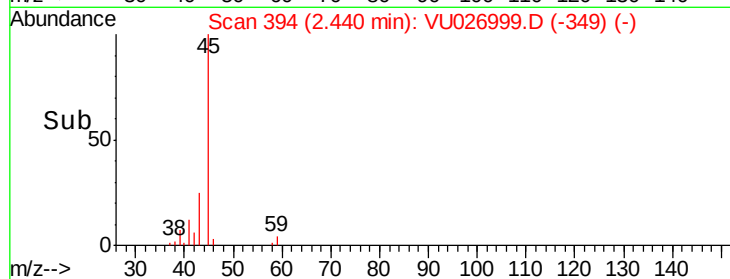
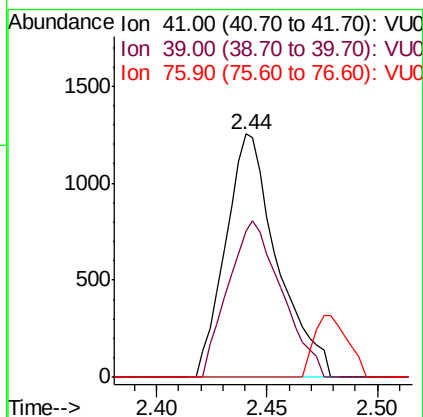
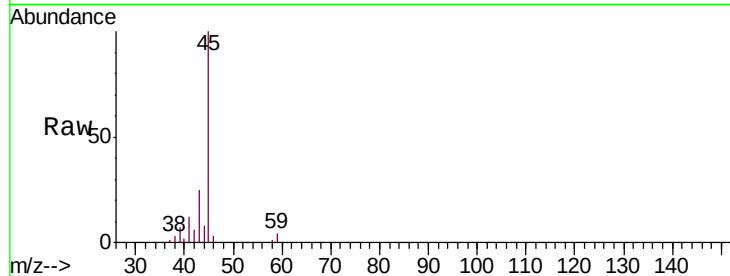




#14
 Allyl chloride
 Concen: 0.979 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

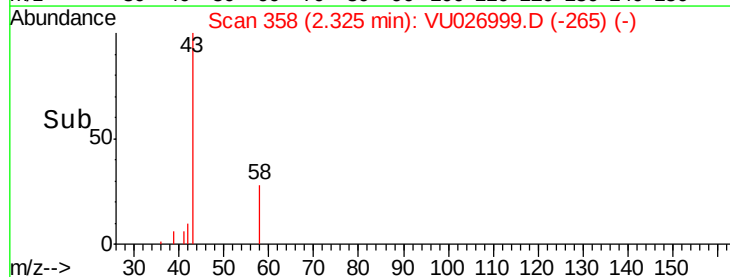
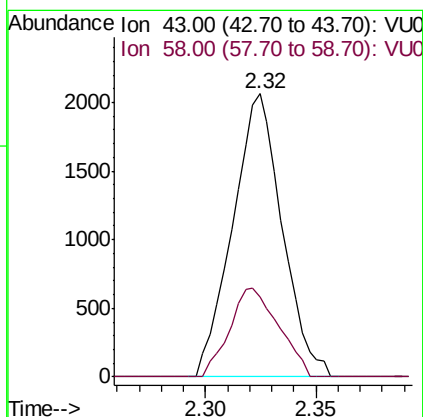
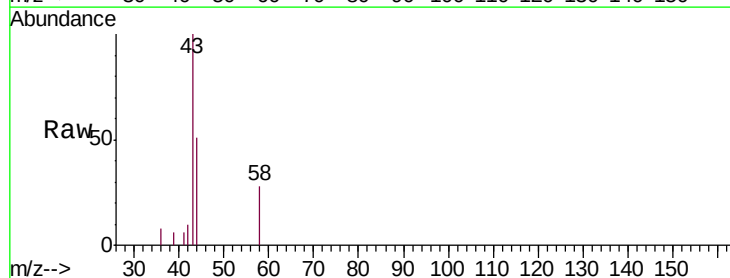
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ145D-20180912

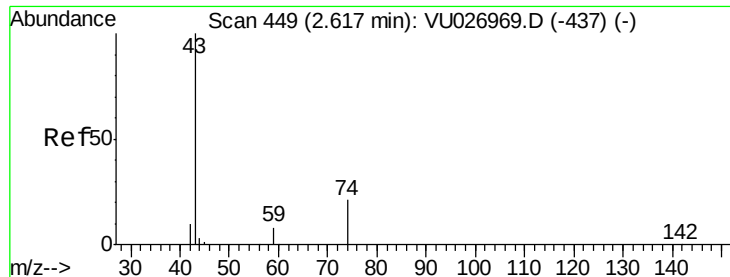
Tgt Ion: 41 Resp: 2034
 Ion Ratio Lower Upper
 41 100
 39 66.5 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

Tgt Ion: 43 Resp: 3207
 Ion Ratio Lower Upper
 43 100
 58 28.4 24.6 36.8

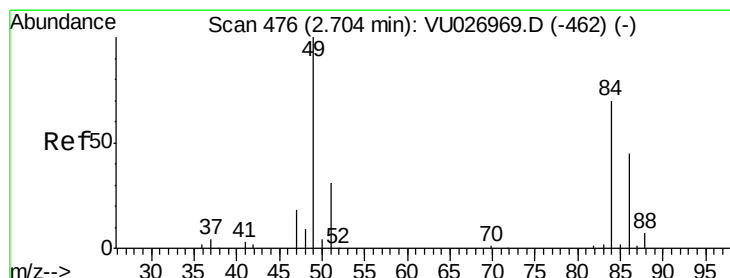
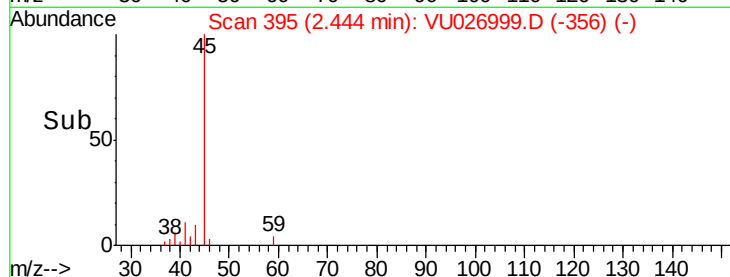
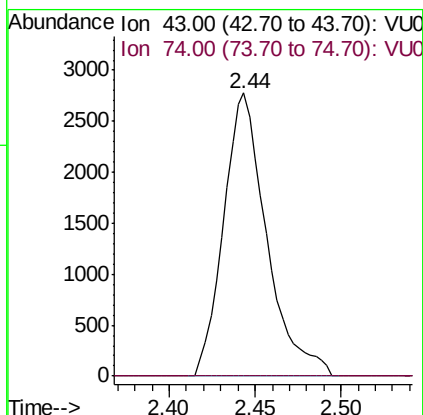
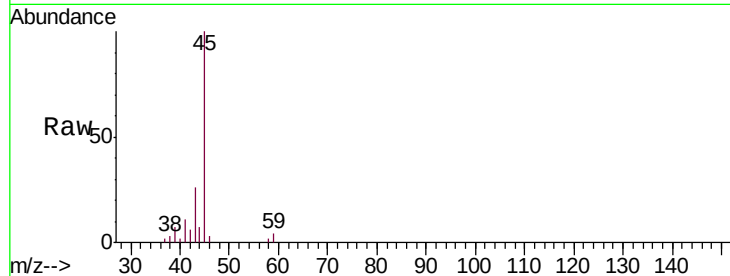




#18
Methyl Acetate
Concen: 2.278 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU026999.D
Acq: 22 Sep 2018 06:08

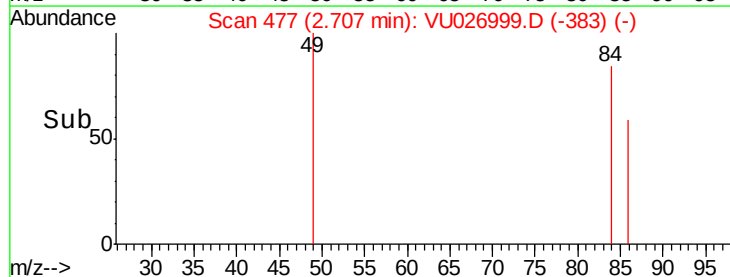
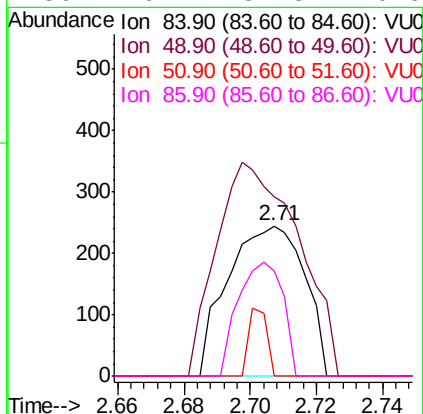
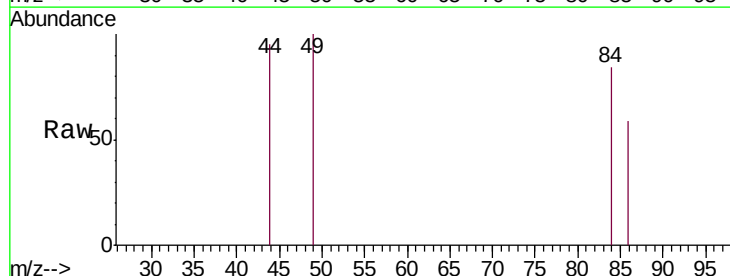
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ145D-20180912

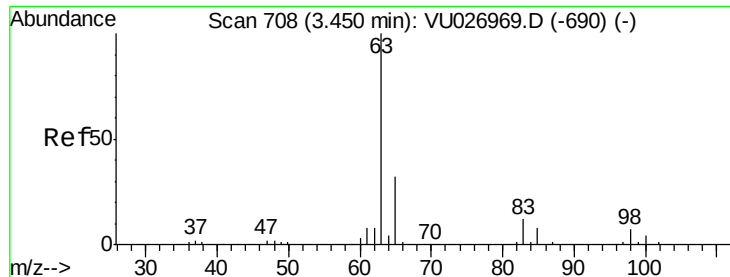
Tgt Ion: 43 Resp: 4837
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.296 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU026999.D
Acq: 22 Sep 2018 06:08

Tgt Ion: 84 Resp: 395
Ion Ratio Lower Upper
84 100
49 119.2 114.9 172.3
51 0.0 35.8 53.8#
86 70.2 51.3 76.9





#24

1,1-Dichloroethane

Concen: 14.689 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026999.D

Acq: 22 Sep 2018 06:08

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ145D-20180912

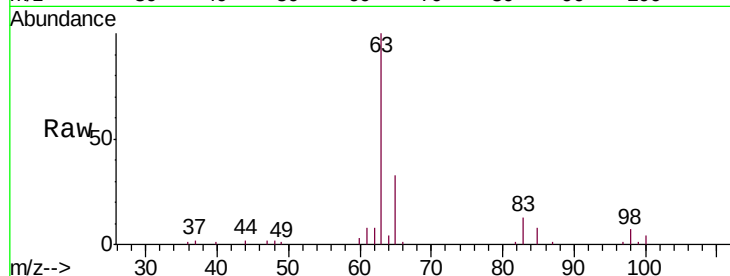
Tgt Ion: 63 Resp: 35936

Ion Ratio Lower Upper

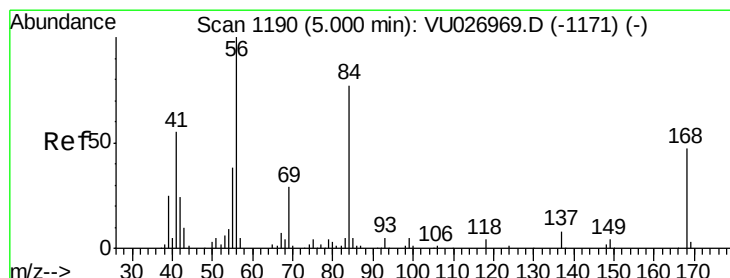
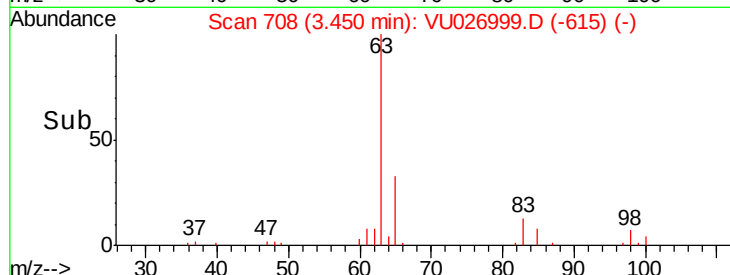
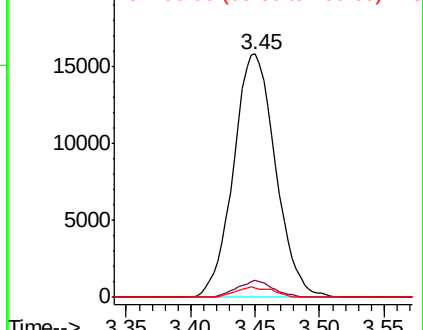
63 100

98 7.0 3.3 9.8

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0



#31

Cyclohexane

Concen: 0.257 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU026999.D

Acq: 22 Sep 2018 06:08

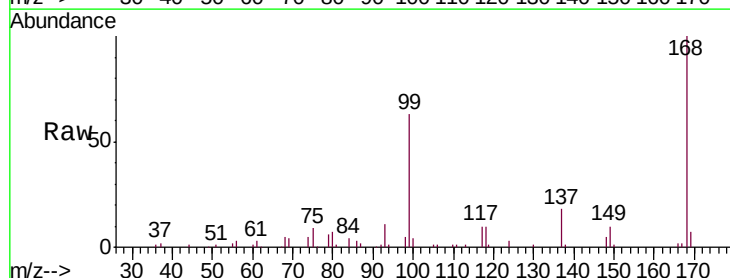
Tgt Ion: 56 Resp: 1843

Ion Ratio Lower Upper

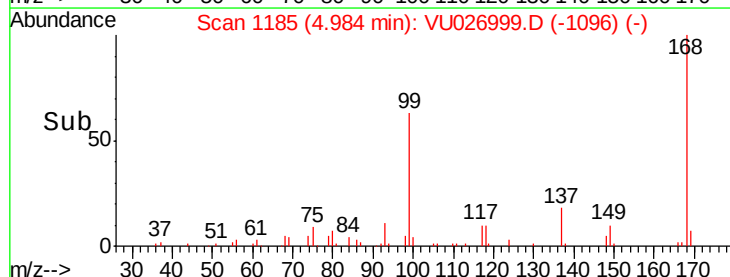
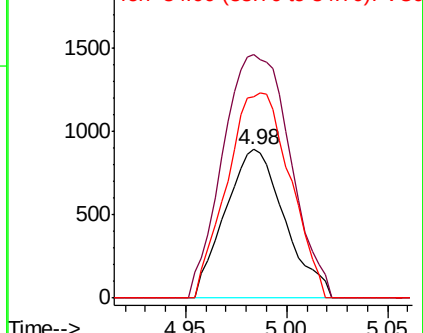
56 100

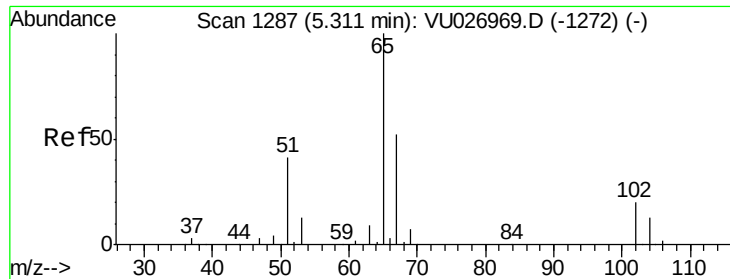
69 164.2 23.0 34.4#

84 135.9 61.4 92.2#



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

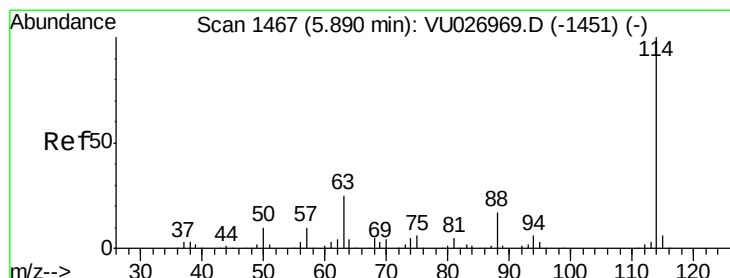
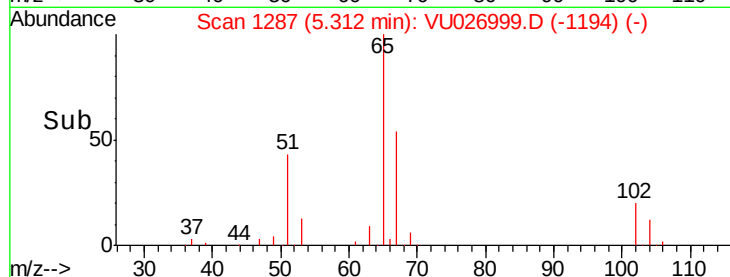
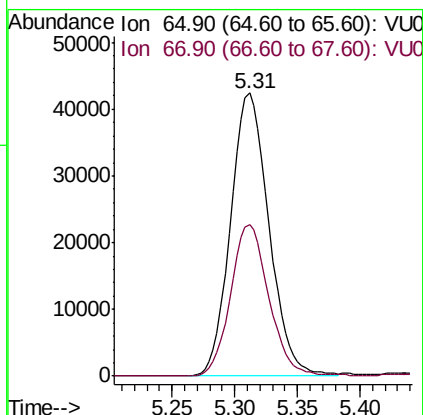
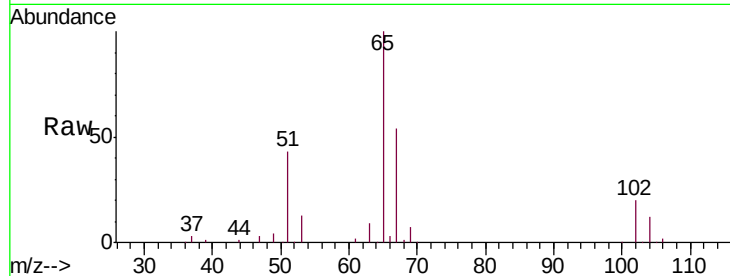




#33
 1,2-Dichloroethane-d4
 Concen: 60.506 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

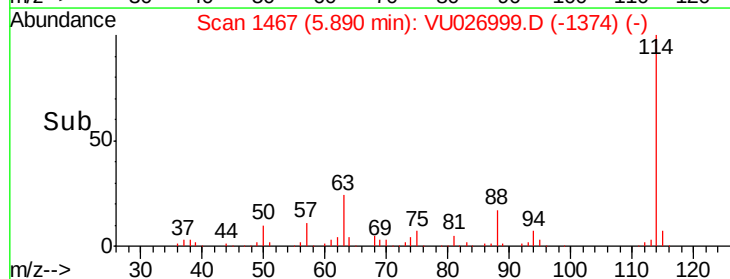
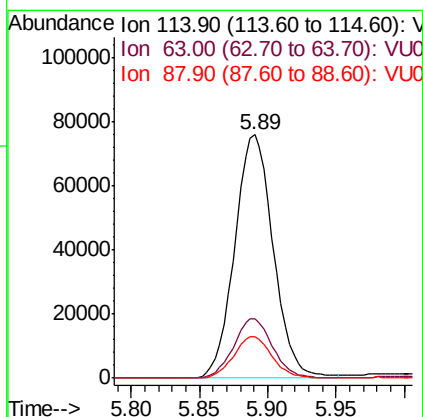
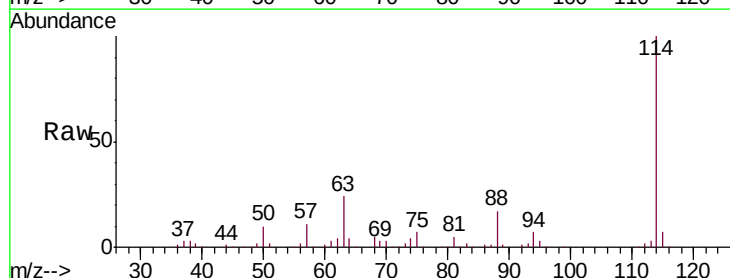
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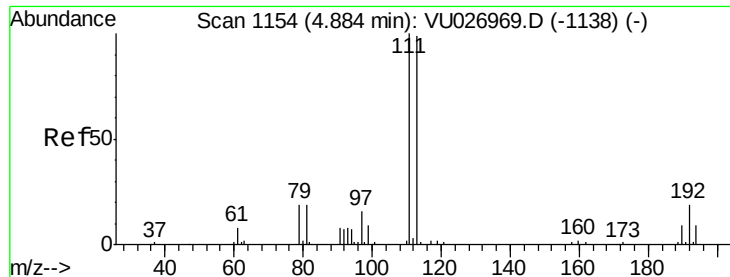
Tgt Ion: 65 Resp: 90280
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

Tgt Ion: 114 Resp: 148564
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.9 0.0 33.8

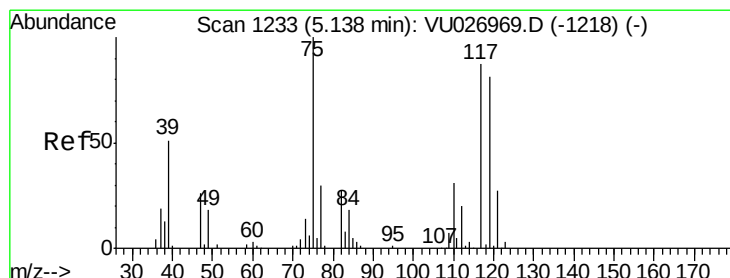
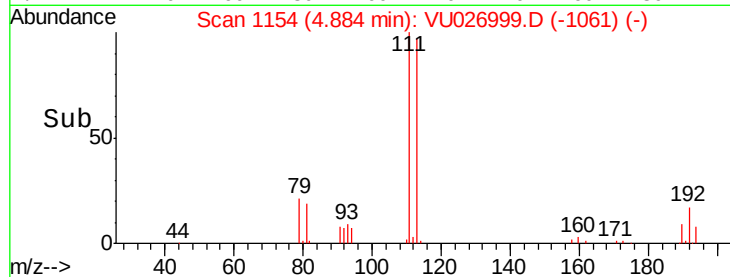
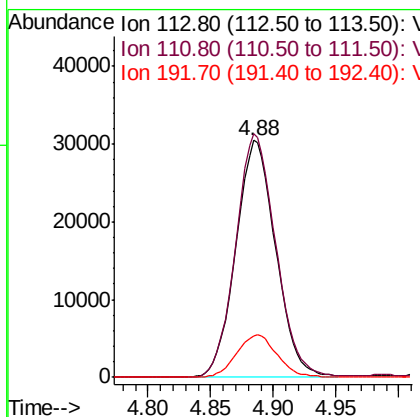
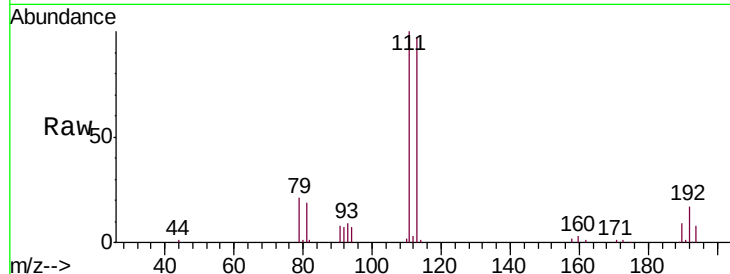




#35
 Dibromofluoromethane
 Concen: 52.473 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

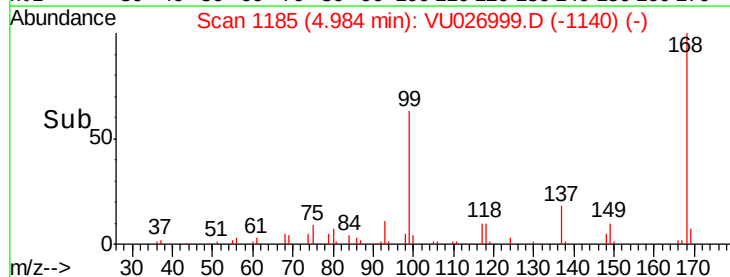
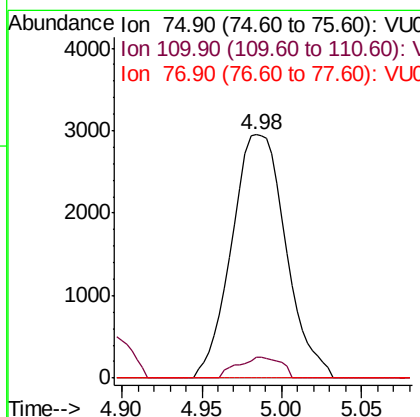
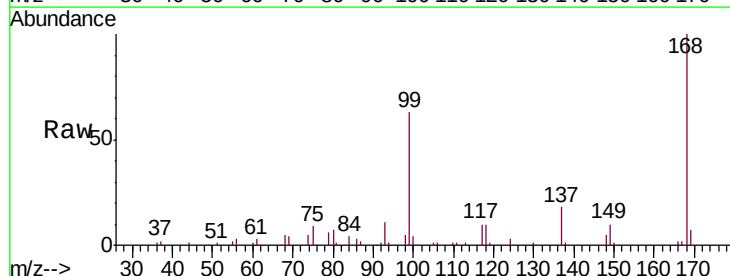
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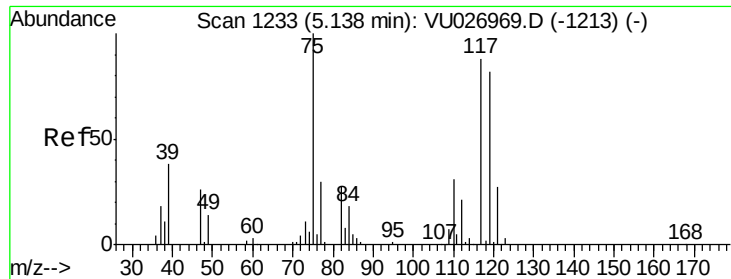
Tgt Ion:113 Resp: 67573
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.4
 192 18.2 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 3.450 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

Tgt Ion: 75 Resp: 6840
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.1 48.2#
 77 0.0 24.6 36.8#

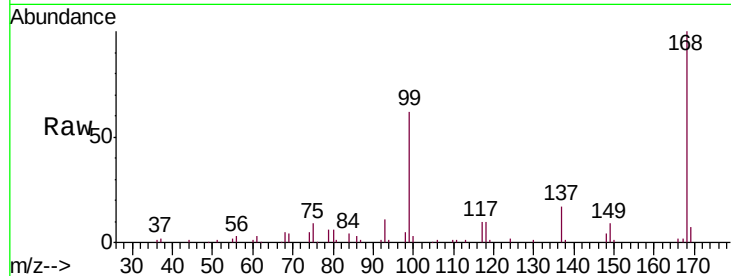




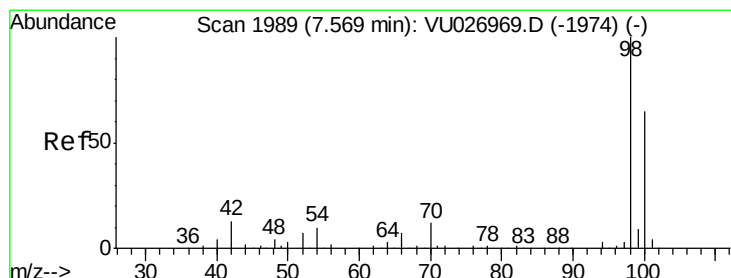
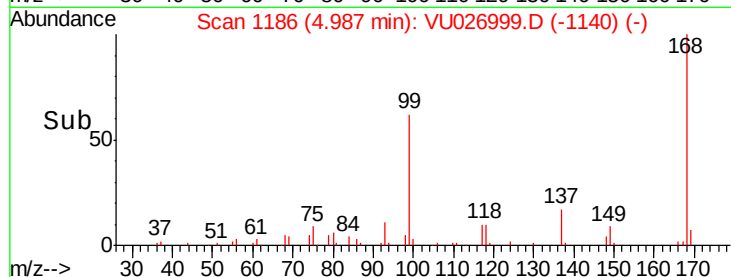
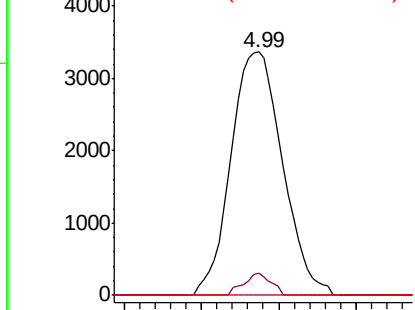
#38
Carbon Tetrachloride
Concen: 4.132 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU026999.D
Acq: 22 Sep 2018 06:08

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ145D-20180912

Tgt Ion: 117 Resp: 7796
Ion Ratio Lower Upper
117 100
119 8.9 74.4 111.6#
121 0.0 24.2 36.4#

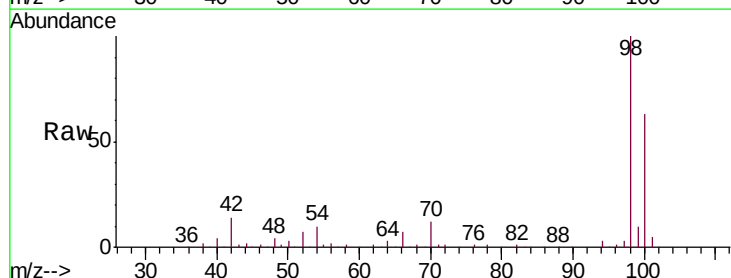


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

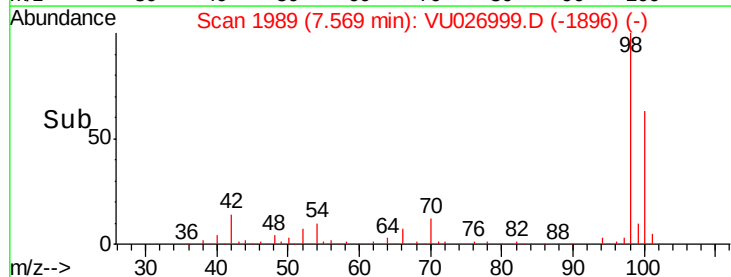
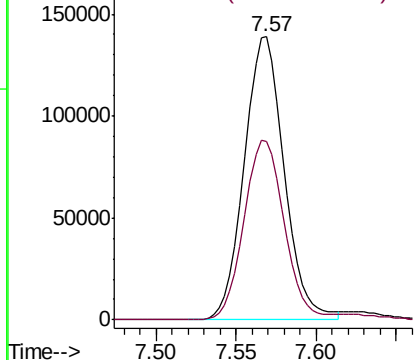


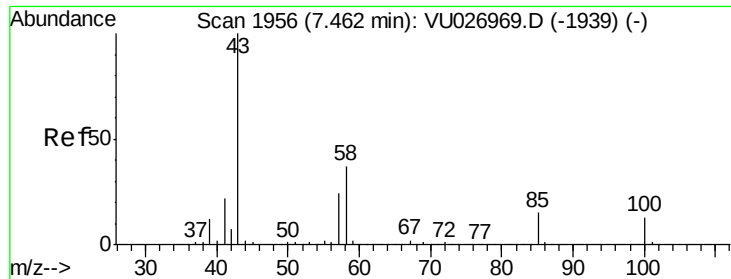
#50
Toluene-d8
Concen: 48.436 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026999.D
Acq: 22 Sep 2018 06:08

Tgt Ion: 98 Resp: 237708
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



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

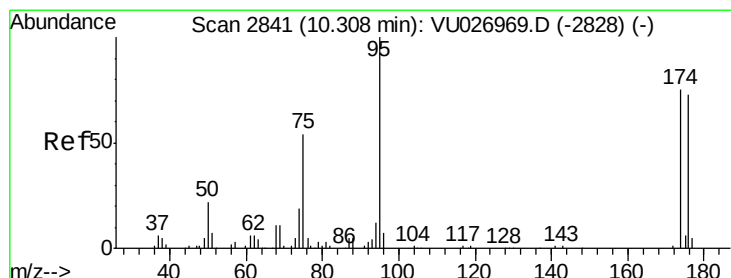
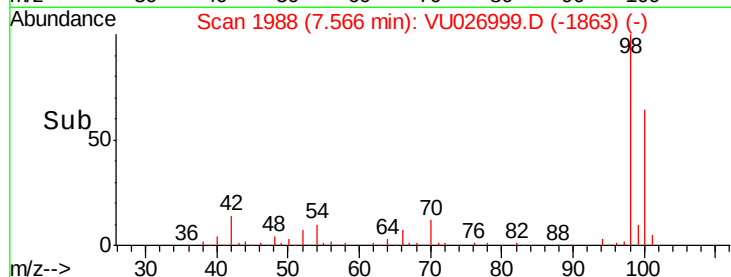
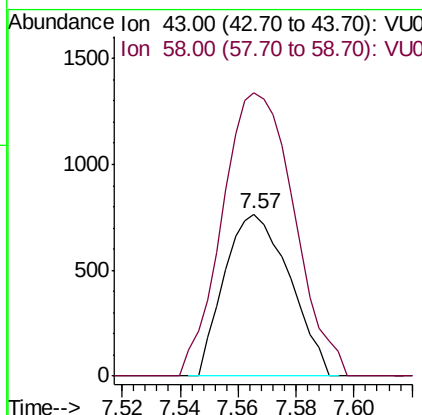
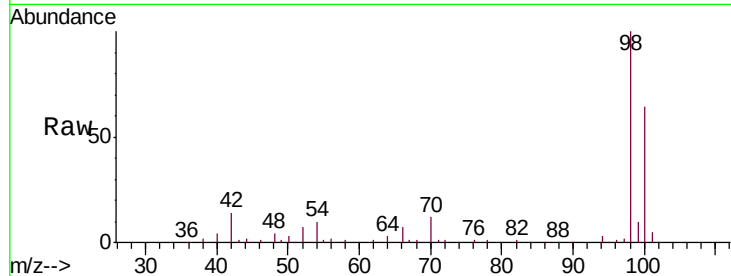




#51
 4-Methyl-2-Pentanone
 Concen: 0.455 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

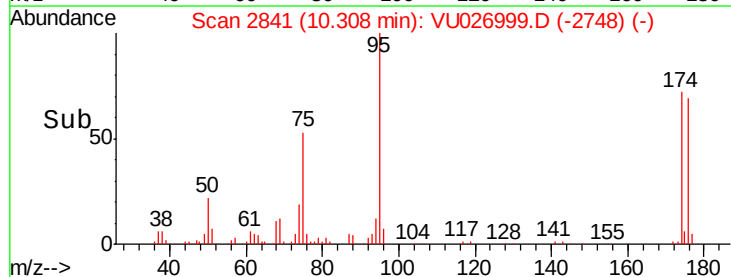
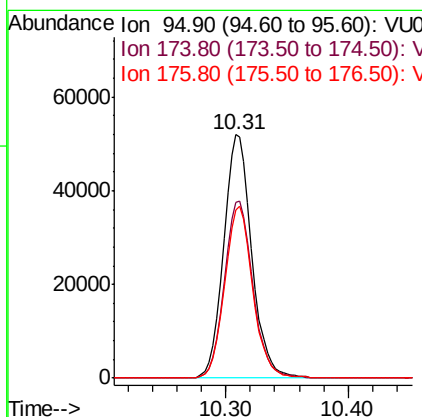
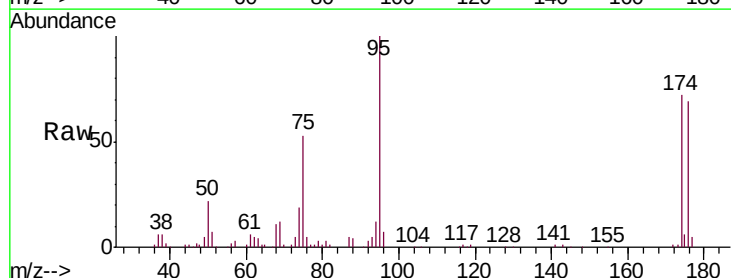
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ145D-20180912

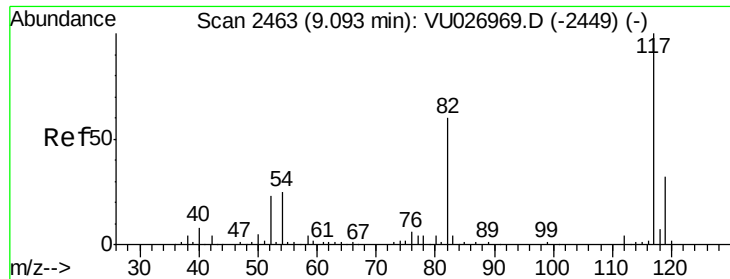
Tgt Ion: 43 Resp: 1197
 Ion Ratio Lower Upper
 43 100
 58 192.2 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 49.824 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026999.D
 Acq: 22 Sep 2018 06:08

Tgt Ion: 95 Resp: 83903
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 150.2
 176 70.8 0.0 145.2

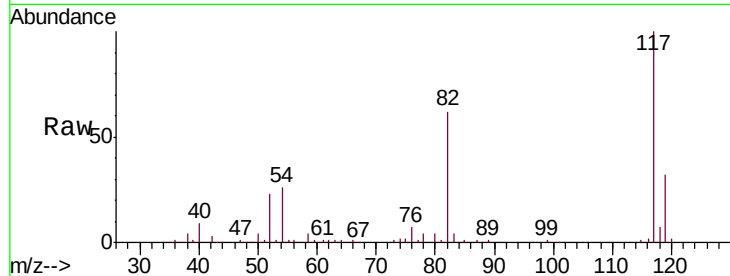




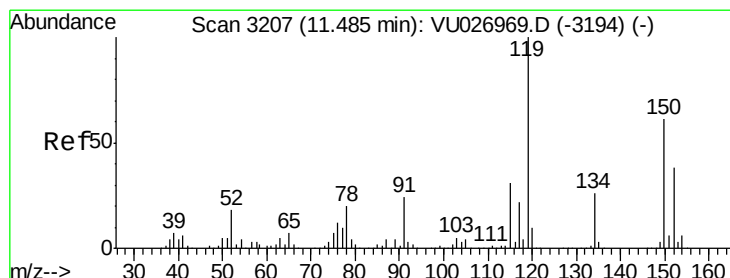
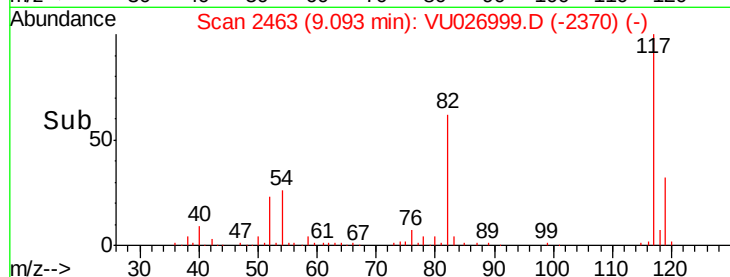
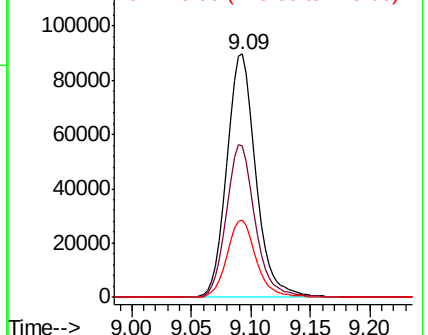
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026999.D
Acq: 22 Sep 2018 06:08

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ145D-20180912

Tgt Ion:117 Resp: 151829
Ion Ratio Lower Upper
117 100
82 62.0 48.0 72.0
119 31.8 25.8 38.8

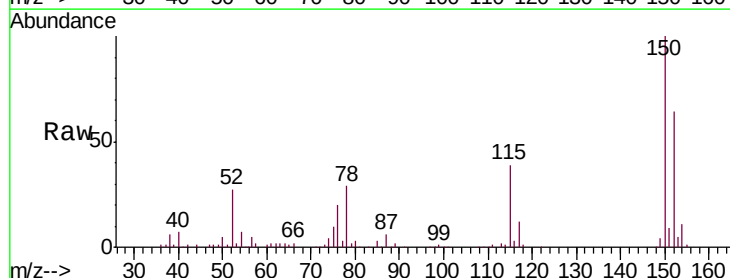


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

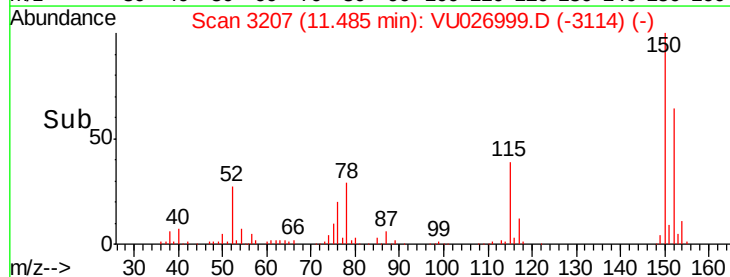
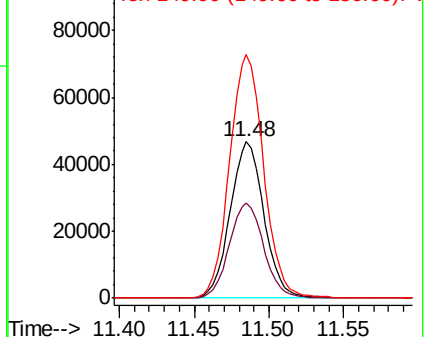


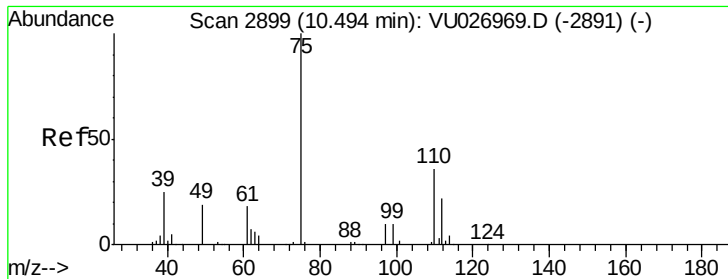
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026999.D
Acq: 22 Sep 2018 06:08

Tgt Ion:152 Resp: 73637
Ion Ratio Lower Upper
152 100
115 61.9 44.9 134.5
150 157.1 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: 20.240 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026999.D

Acq: 22 Sep 2018 06:08

Instrument :

MSVOA_U

ClientSampleId :

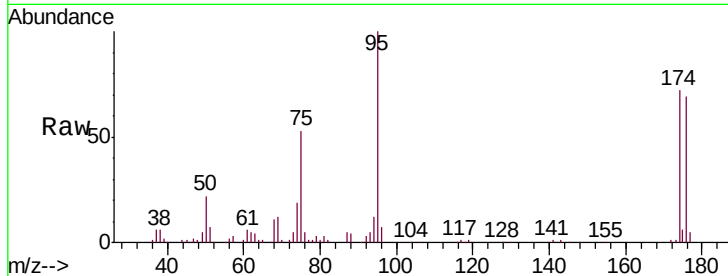
SA-PZ145D-20180912

Tgt Ion: 75 Resp: 45279

Ion Ratio Lower Upper

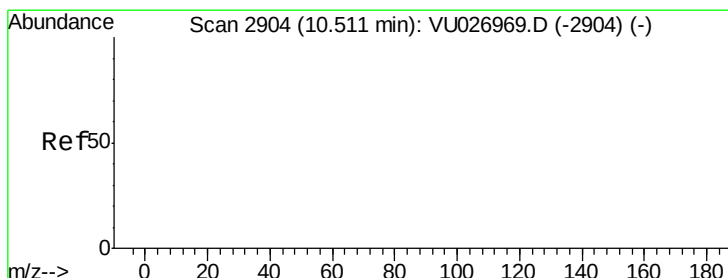
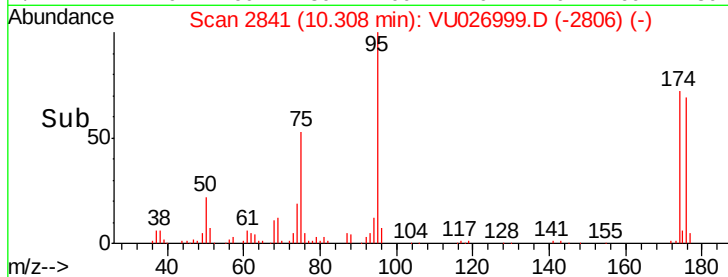
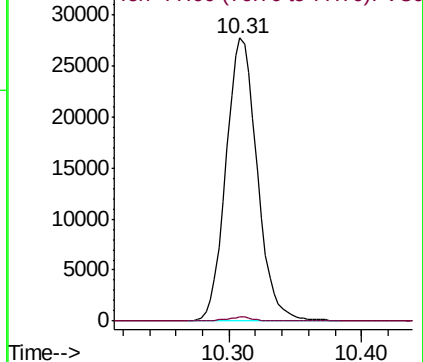
75 100

77 1.1 20.9 62.8#



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: 64.773 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU026999.D

Acq: 22 Sep 2018 06:08

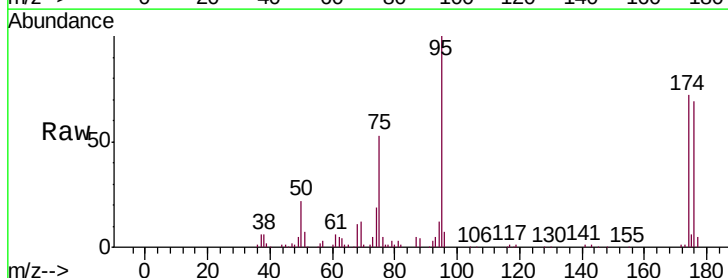
Tgt Ion: 75 Resp: 45279

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

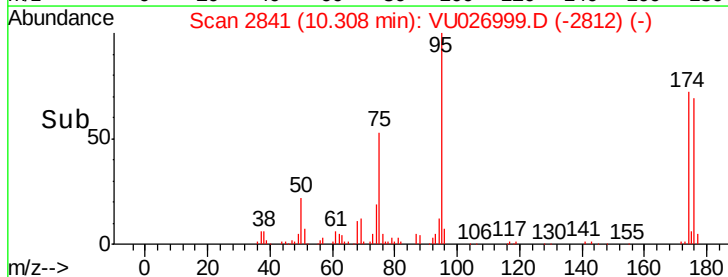
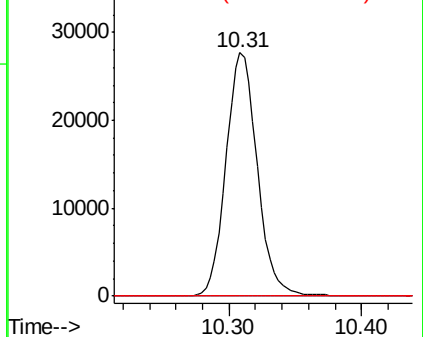
89 0.0 0.0 0.0

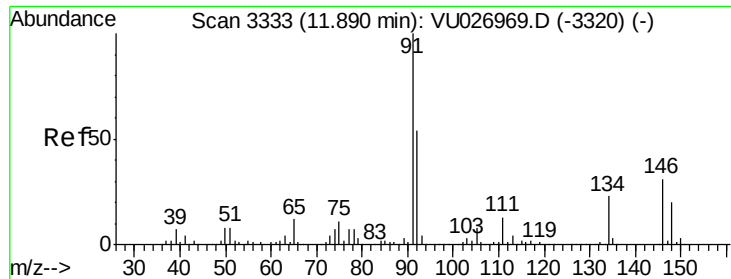


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#89

n-Butylbenzene

Concen: 2.413 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU026999.D

Acq: 22 Sep 2018 06:08

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ145D-20180912

Tgt Ion: 91 Resp: 109

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 0.0 11.7 35.0#

