

Data File : VU027545.D
Acq On : 10 Oct 2018 00:38
Operator : MD/SY
Sample : J5302-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TW-1

Quant Time: Oct 10 06:02:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	143914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	234947	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	190113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78613	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	105401	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	
35) Dibromofluoromethane	4.89	113	76349	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
50) Toluene-d8	7.57	98	291790	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	10.31	95	88005	39.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.58%	

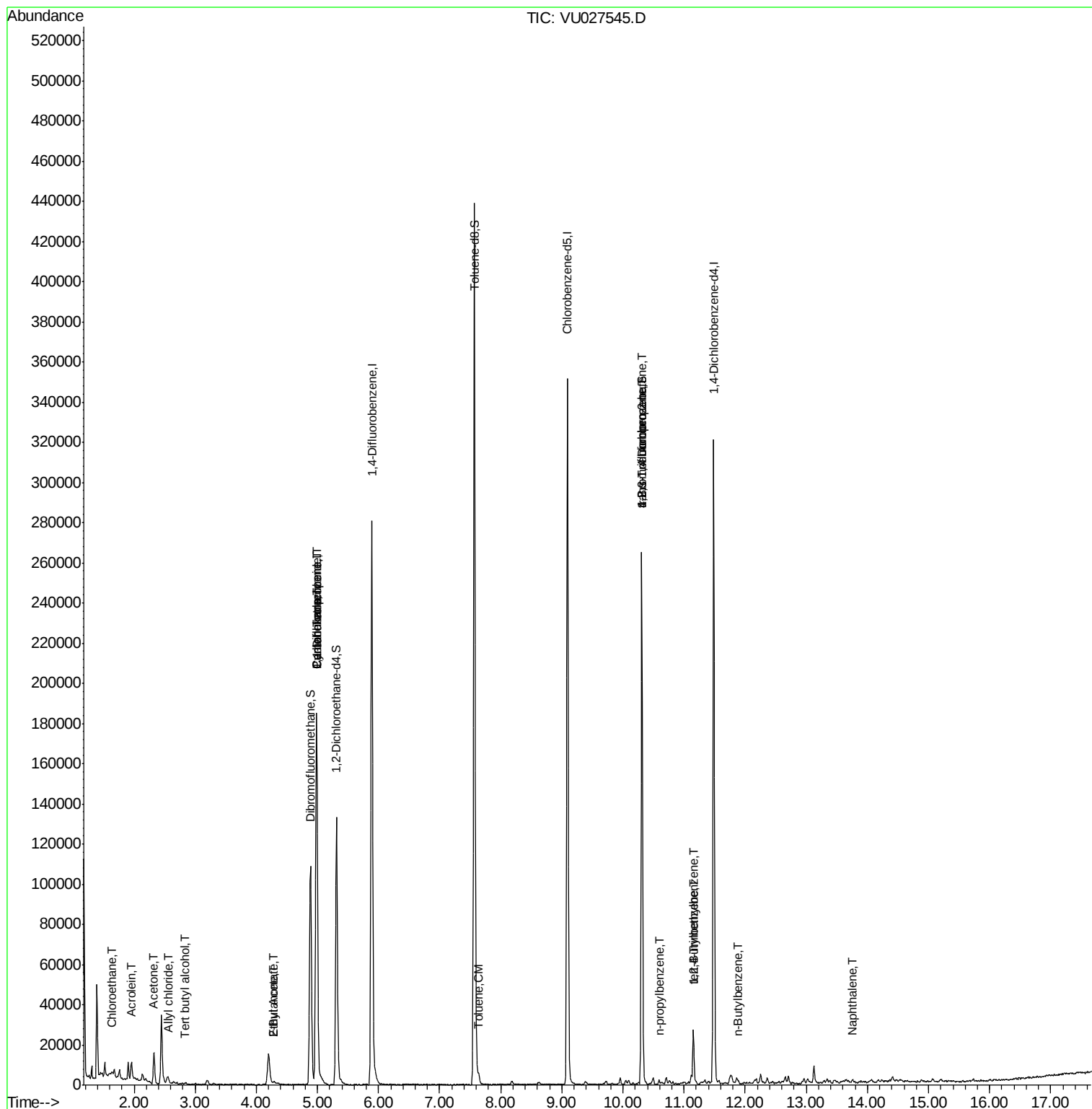
Target Compounds				Qvalue		
6) Chloroethane	1.63	64	5942	3.745	ug/l #	66
11) Tert butyl alcohol	2.83	59	1063	2.101	ug/l #	72
13) Acrolein	1.95	56	245	0.577	ug/l #	1
14) Allyl chloride	2.56	41	3141	0.870	ug/l #	44
16) Acetone	2.32	43	16819	11.847	ug/l	96
25) 2-Butanone	4.29	43	2005	1.036	ug/l #	87
31) Cyclohexane	4.98	56	3171	0.588	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	12078	4.735	ug/l #	50
37) Ethyl Acetate	4.29	43	2005	0.608	ug/l #	70
38) Carbon Tetrachloride	4.98	117	13984	6.069	ug/l #	18
52) Toluene	7.64	92	1870	0.425	ug/l	94
76) 1,2,3-Trichloropropane	10.31	75	46525	22.831	ug/l #	37
78) n-propylbenzene	10.59	91	1737	0.253	ug/l	89
81) trans-1,4-Dichloro-2-buten	10.31	75	46525	59.750	ug/l #	100
83) tert-Butylbenzene	11.15	119	1822	0.405	ug/l #	57
84) 1,2,4-Trimethylbenzene	11.15	105	14678	3.091	ug/l	100
89) n-Butylbenzene	11.89	91	455	2.034	ug/l #	67
95) Naphthalene	13.75	128	666	1.768	ug/l #	69

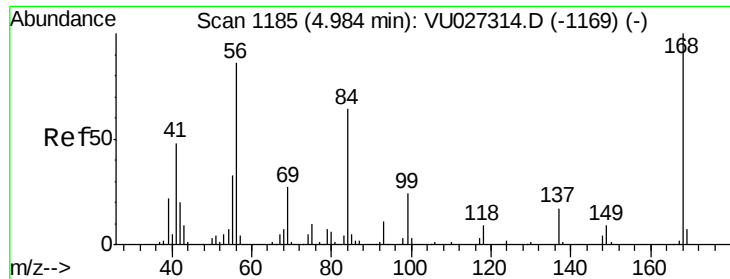
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027545.D

Acq: 10 Oct 2018 00:38

Instrument :

MSVOA_U

ClientSampleId :

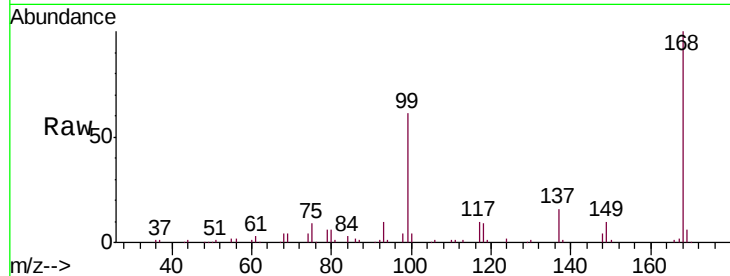
TW-1

Tgt Ion:168 Resp: 143914

Ion Ratio Lower Upper

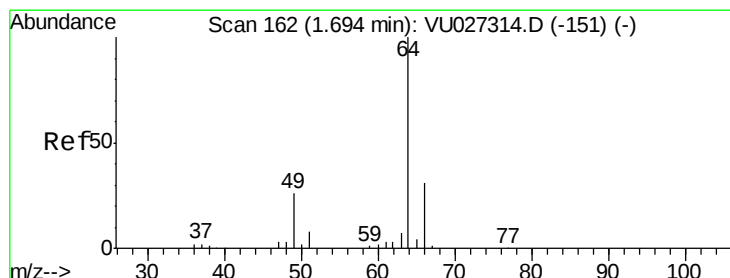
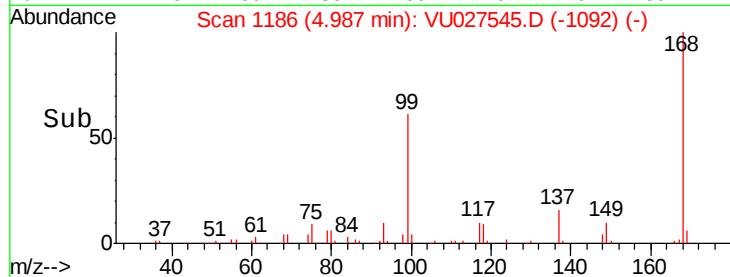
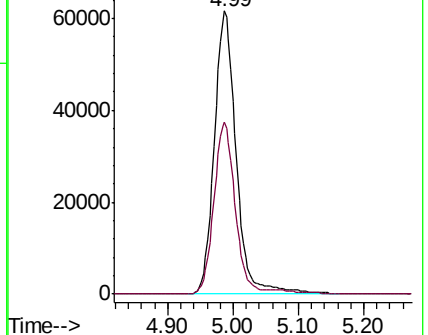
168 100

99 60.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#6

Chloroethane

Concen: 3.745 ug/l

RT: 1.63 min Scan# 143

Delta R.T. -0.06 min

Lab File: VU027545.D

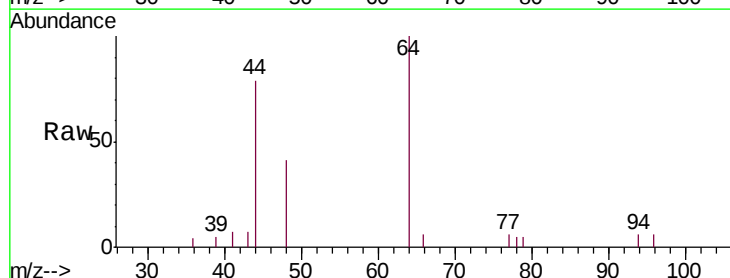
Acq: 10 Oct 2018 00:38

Tgt Ion: 64 Resp: 5942

Ion Ratio Lower Upper

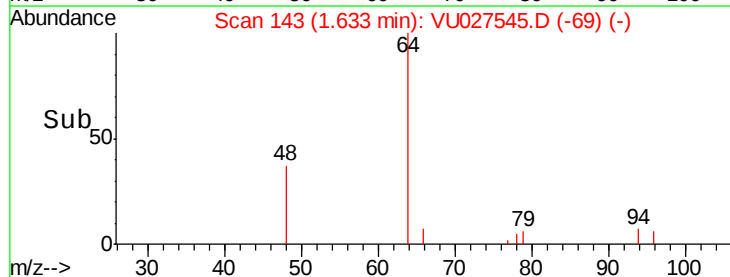
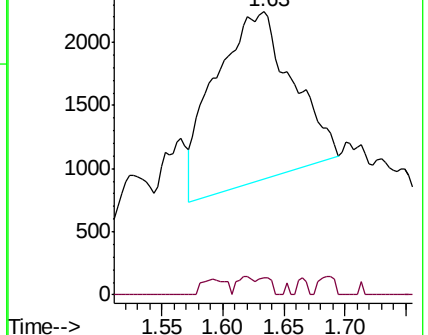
64 100

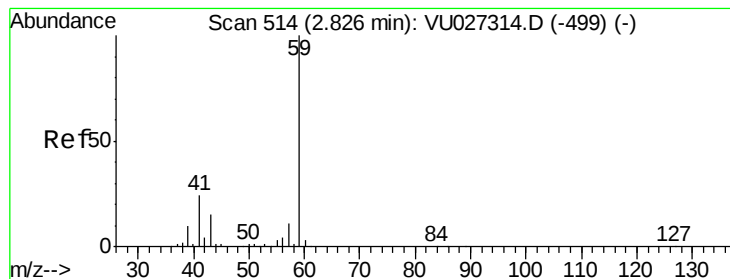
66 12.2 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)



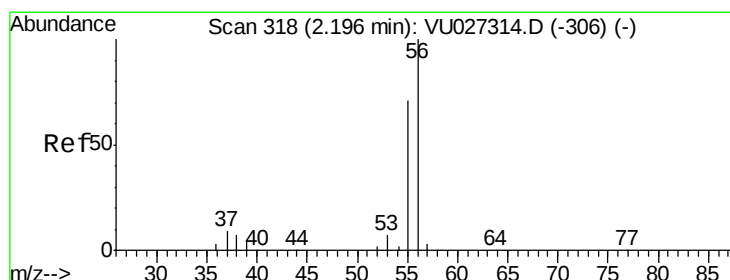
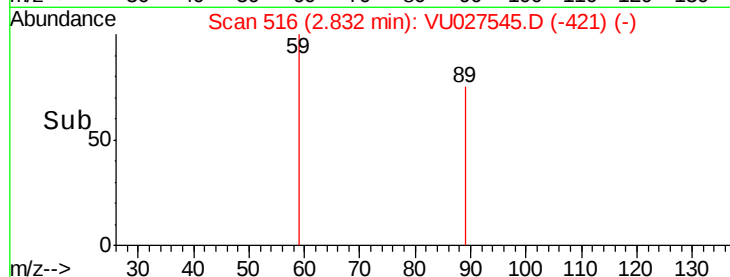
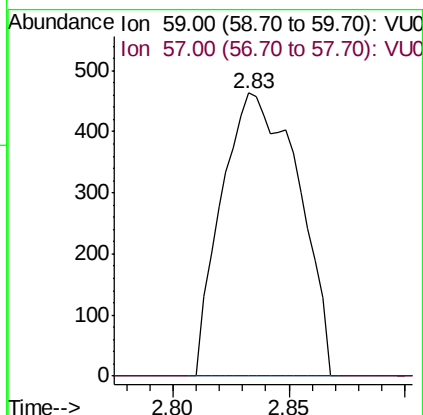
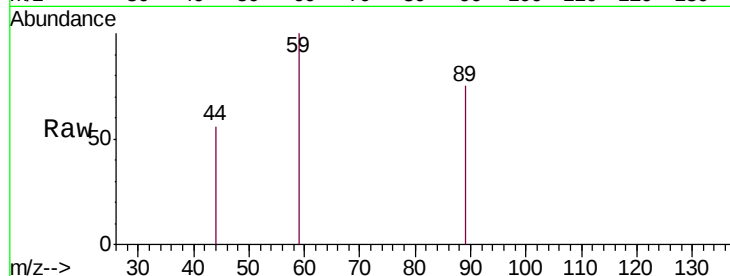


#11

Tert butyl alcohol
 Concen: 2.101 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU027545.D
 Acq: 10 Oct 2018 00:38

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-1

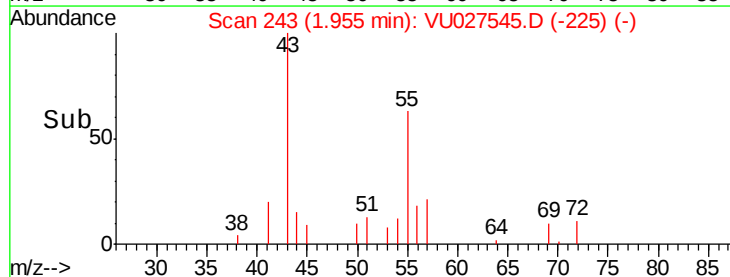
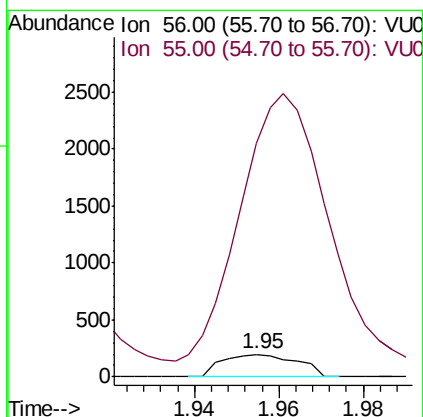
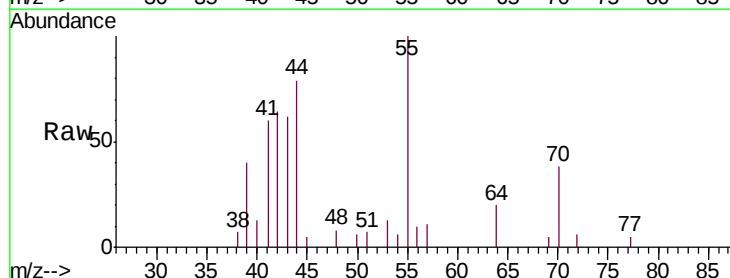
Tgt Ion: 59 Resp: 1063
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

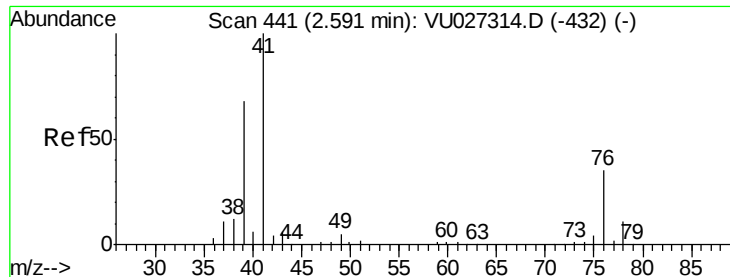


#13

Acrolein
 Concen: 0.577 ug/l
 RT: 1.95 min Scan# 243
 Delta R.T. -0.24 min
 Lab File: VU027545.D
 Acq: 10 Oct 2018 00:38

Tgt Ion: 56 Resp: 245
 Ion Ratio Lower Upper
 56 100
 55 1562.9 57.7 86.5#

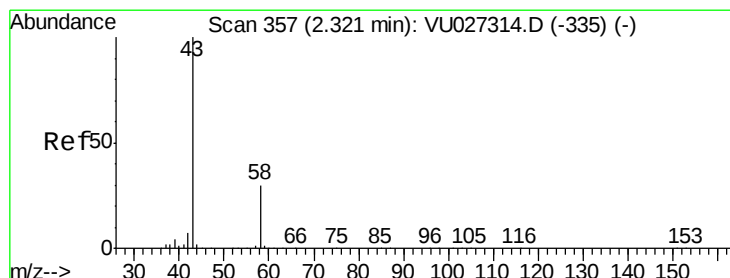
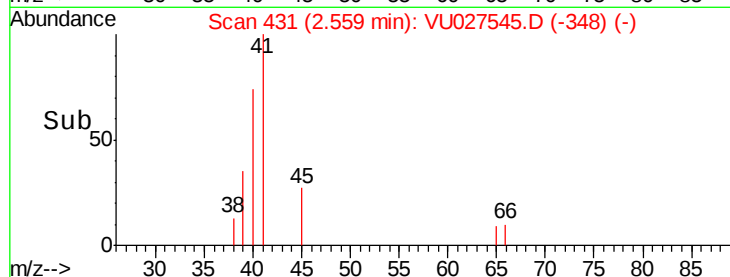
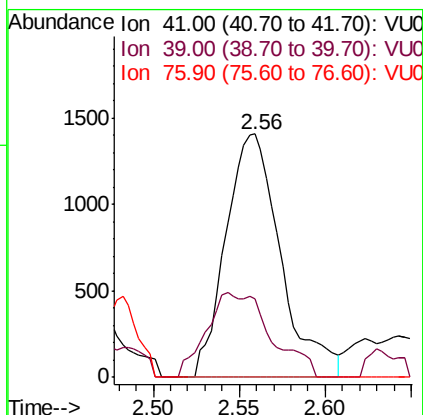
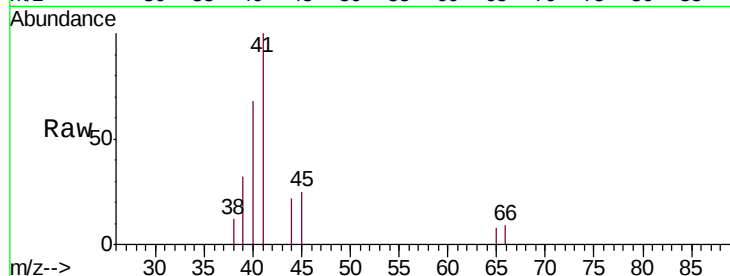




#14
 Allyl chloride
 Concen: 0.870 ug/l
 RT: 2.56 min Scan# 431
 Delta R.T. -0.03 min
 Lab File: VU027545.D
 Acq: 10 Oct 2018 00:38

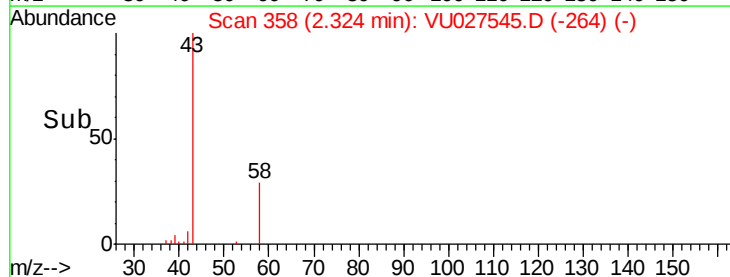
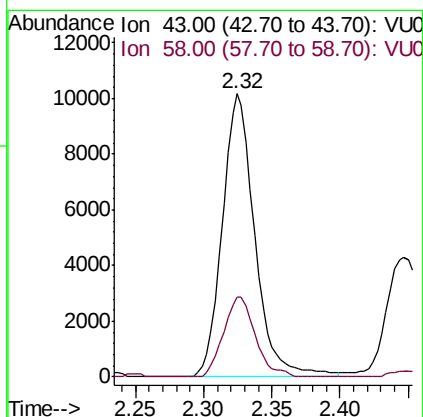
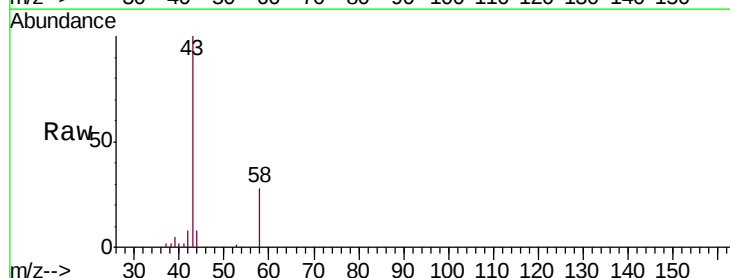
Instrument :
 MSVOA_U
 ClientSampled :
 TW-1

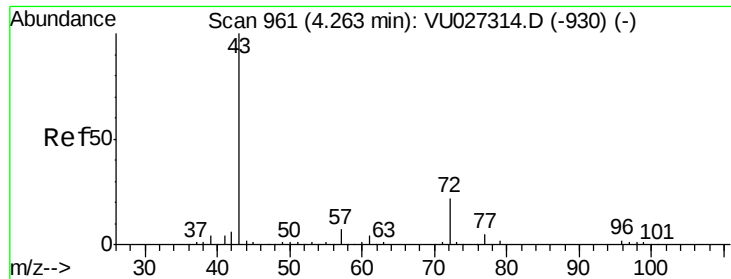
Tgt Ion: 41 Resp: 3141
 Ion Ratio Lower Upper
 41 100
 39 20.9 51.8 77.8#
 76 0.0 25.9 38.9#



#16
 Acetone
 Concen: 11.847 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027545.D
 Acq: 10 Oct 2018 00:38

Tgt Ion: 43 Resp: 16819
 Ion Ratio Lower Upper
 43 100
 58 28.3 24.2 36.4





#25

2-Butanone

Concen: 1.036 ug/l

RT: 4.29 min Scan# 969

Delta R.T. 0.03 min

Lab File: VU027545.D

Acq: 10 Oct 2018 00:38

Instrument :

MSVOA_U

ClientSampleId :

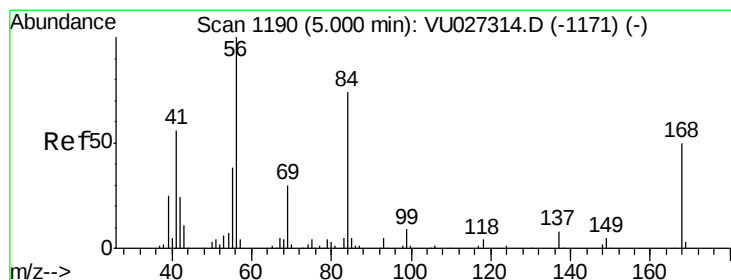
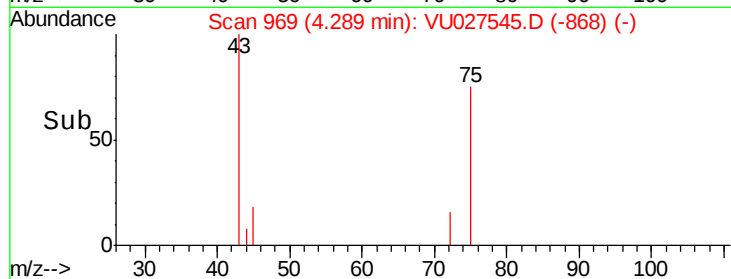
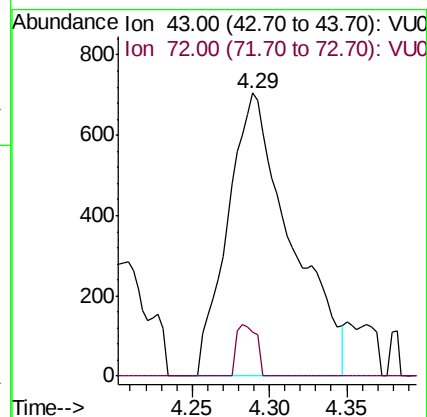
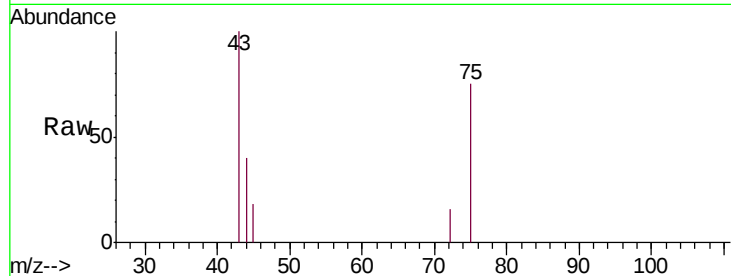
TW-1

Tgt Ion: 43 Resp: 2005

Ion Ratio Lower Upper

43 100

72 15.7 17.8 26.6#



#31

Cyclohexane

Concen: 0.588 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027545.D

Acq: 10 Oct 2018 00:38

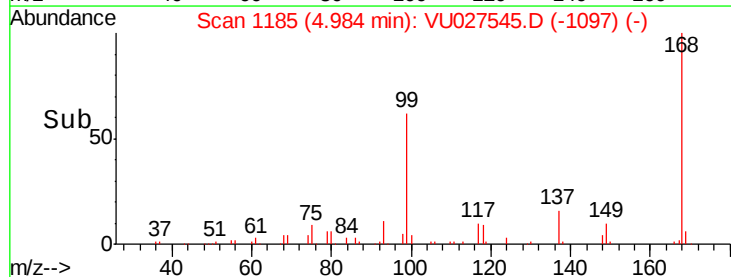
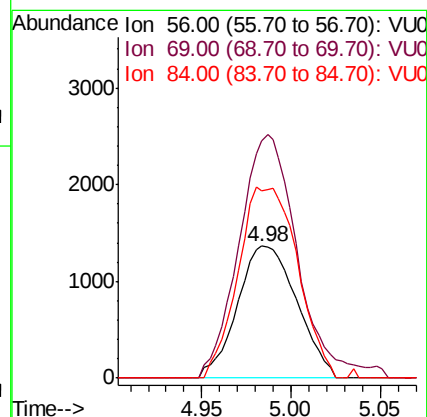
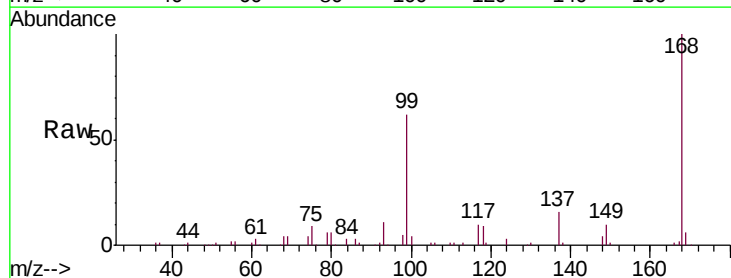
Tgt Ion: 56 Resp: 3171

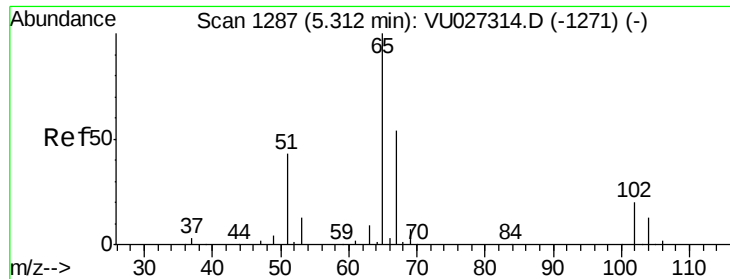
Ion Ratio Lower Upper

56 100

69 179.9 24.1 36.1#

84 142.0 59.1 88.7#





#33

1,2-Dichloroethane-d4

Concen: 43.860 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027545.D

Acq: 10 Oct 2018 00:38

Instrument :

MSVOA_U

ClientSampled :

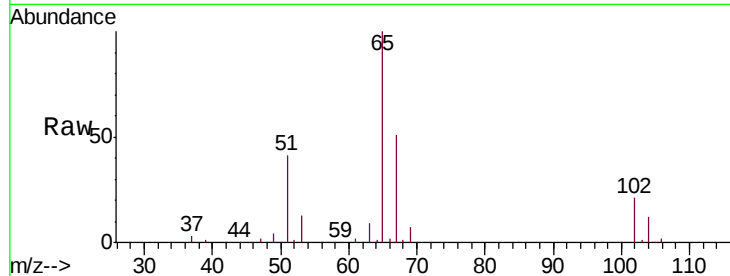
TW-1

Tgt Ion: 65 Resp: 105401

Ion Ratio Lower Upper

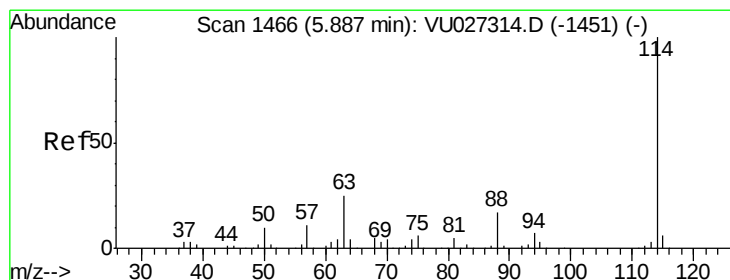
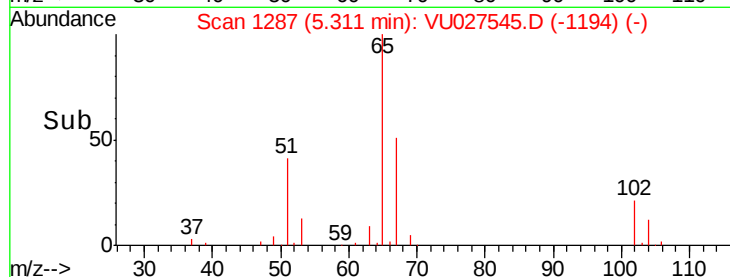
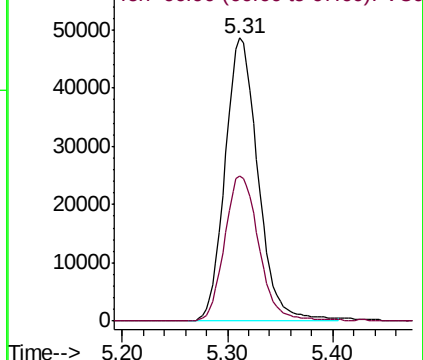
65 100

67 52.9 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027545.D

Acq: 10 Oct 2018 00:38

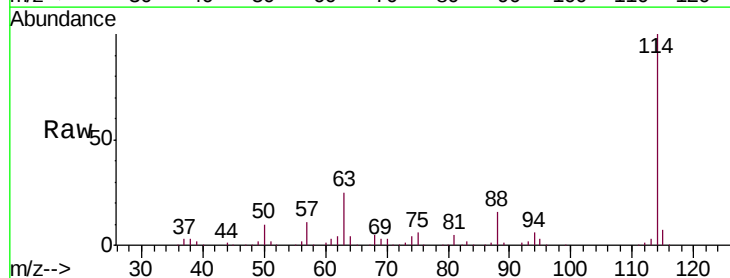
Tgt Ion: 114 Resp: 234947

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.2

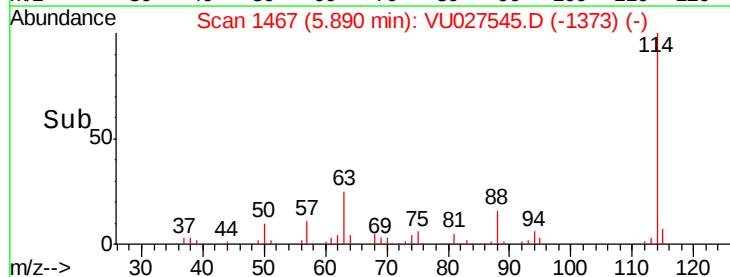
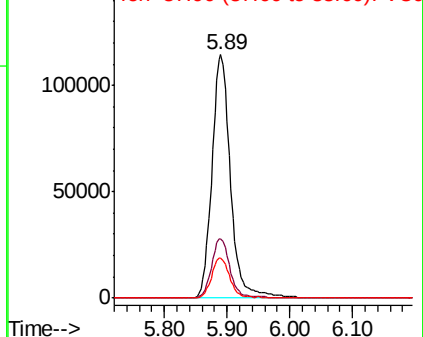
88 16.4 0.0 33.8

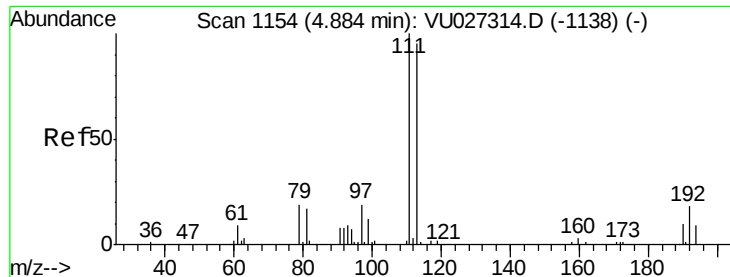


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

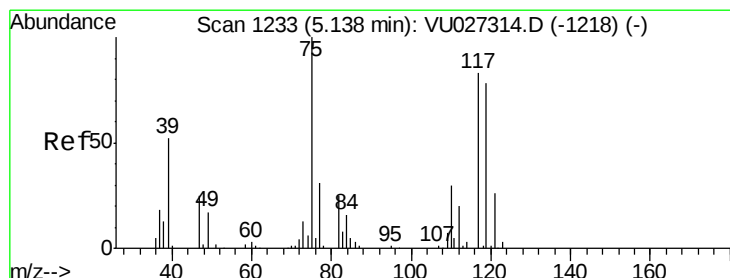
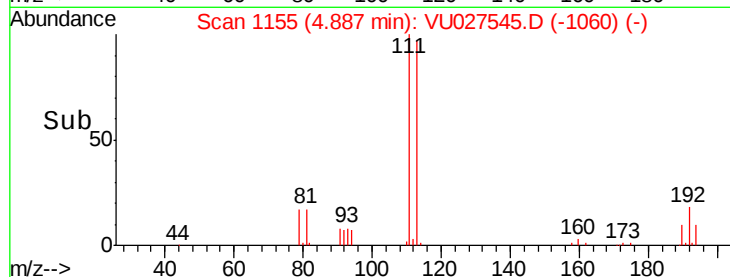
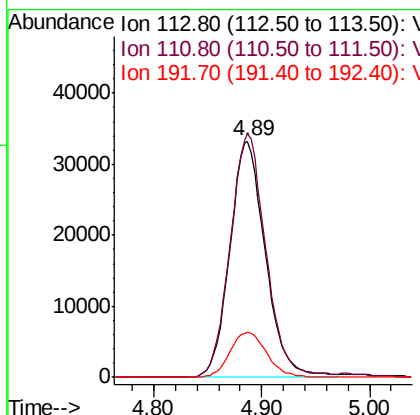
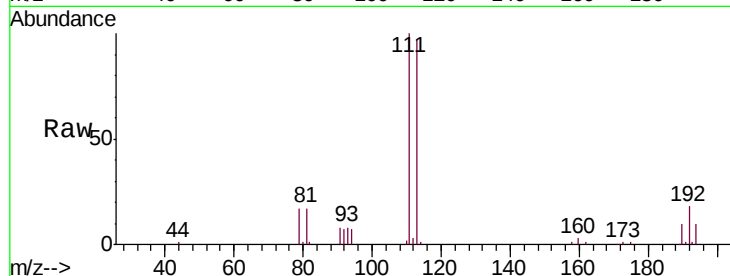




#35
 Dibromofluoromethane
 Concen: 47.417 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027545.D
 Acq: 10 Oct 2018 00:38

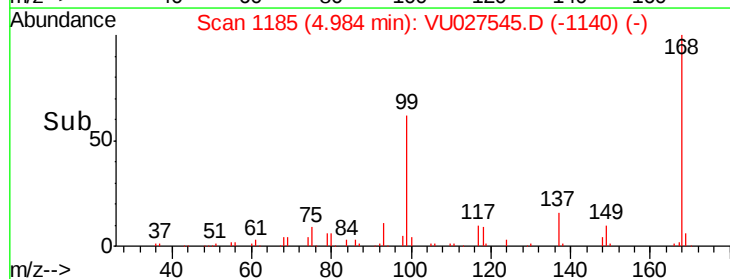
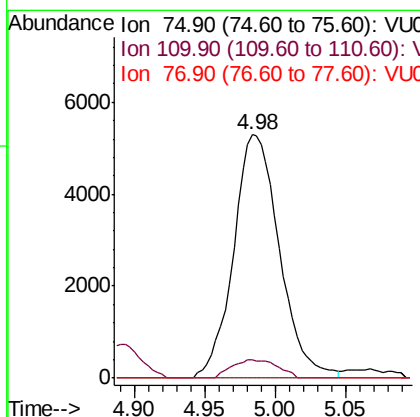
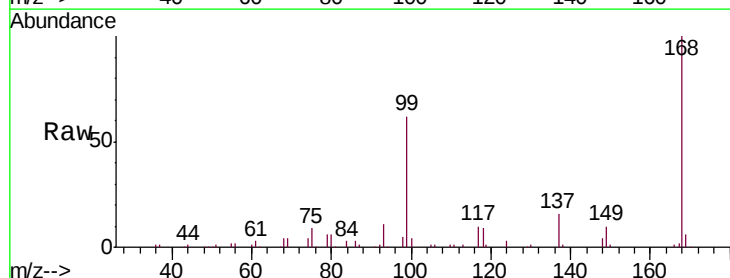
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-1

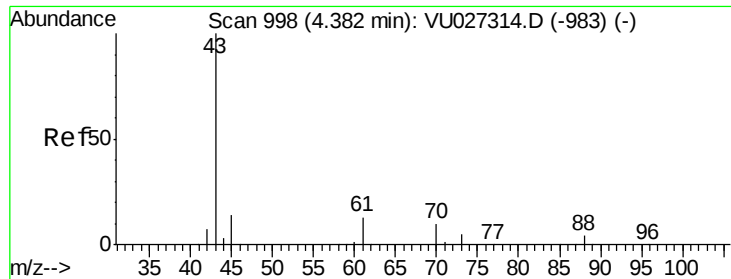
Tgt Ion:113 Resp: 76349
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.1 124.7
 192 19.6 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027545.D
 Acq: 10 Oct 2018 00:38

Tgt Ion: 75 Resp: 12078
 Ion Ratio Lower Upper
 75 100
 110 7.5 15.5 46.5#
 77 0.0 25.4 38.0#

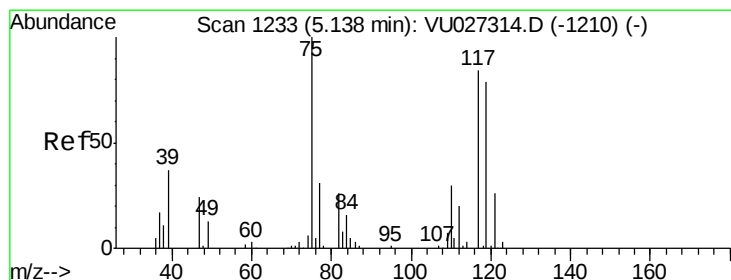
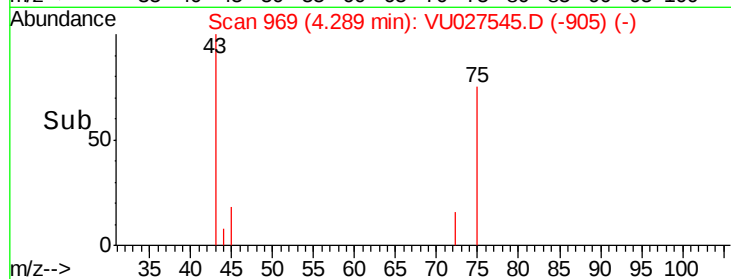
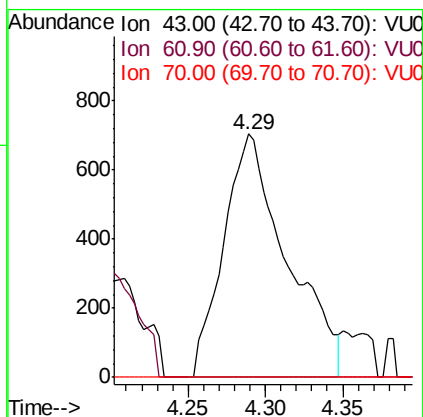
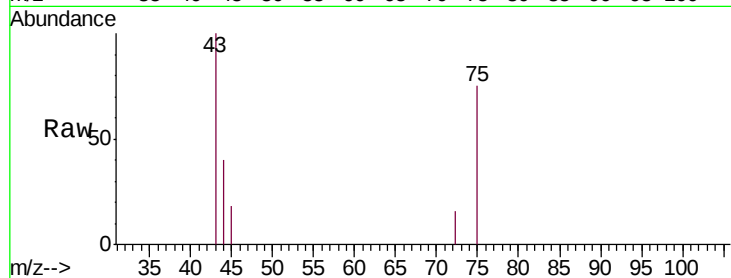




#37
Ethyl Acetate
Concen: 0.608 ug/l
RT: 4.29 min Scan# 969
Delta R.T. -0.09 min
Lab File: VU027545.D
Acq: 10 Oct 2018 00:38

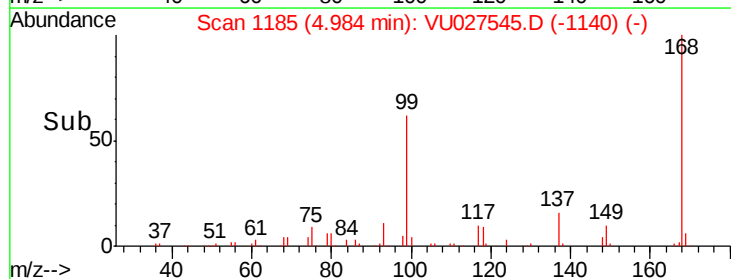
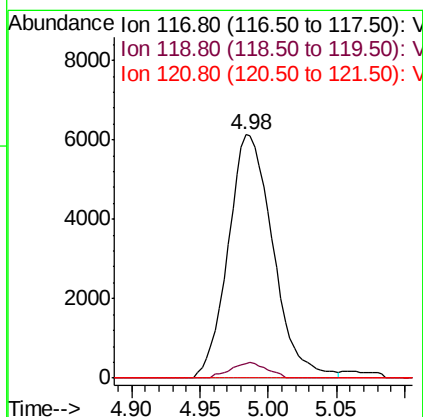
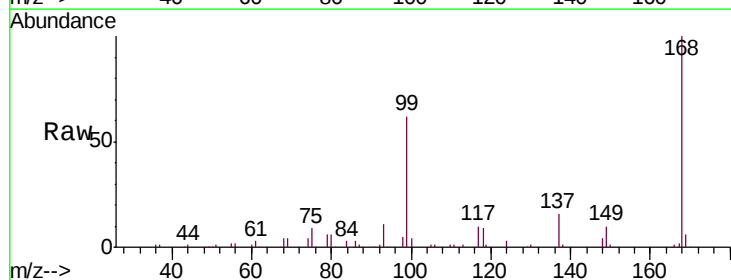
Instrument :
MSVOA_U
ClientSampleId :
TW-1

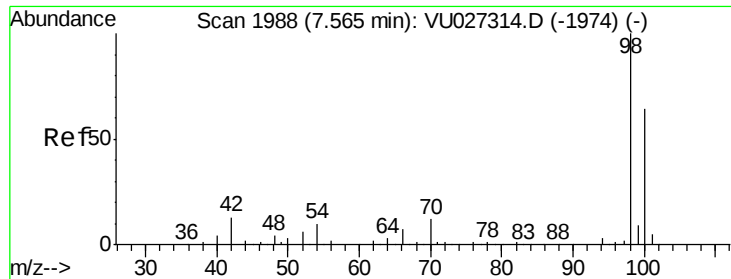
Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 6.069 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU027545.D
Acq: 10 Oct 2018 00:38

Tgt Ion: 117 Resp: 13984
Ion Ratio Lower Upper
117 100
119 6.0 74.5 111.7#
121 0.0 24.6 37.0#

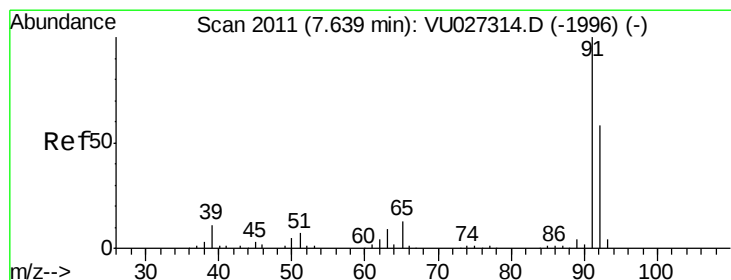
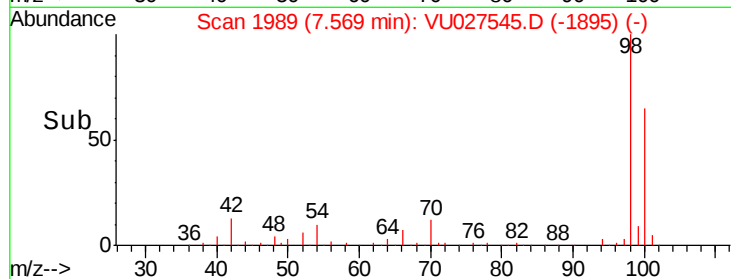
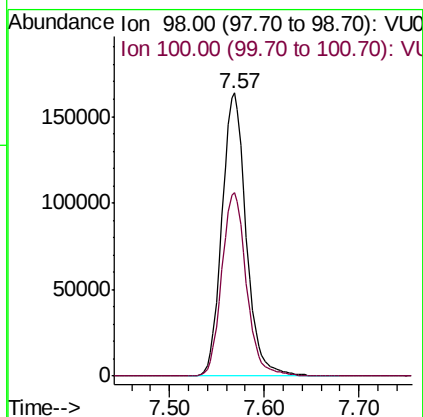
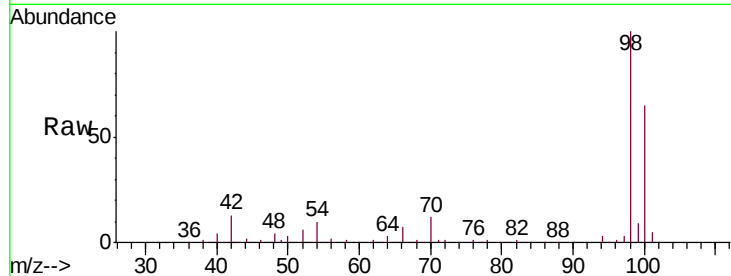




#50
Toluene-d8
Concen: 48.419 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027545.D
Acq: 10 Oct 2018 00:38

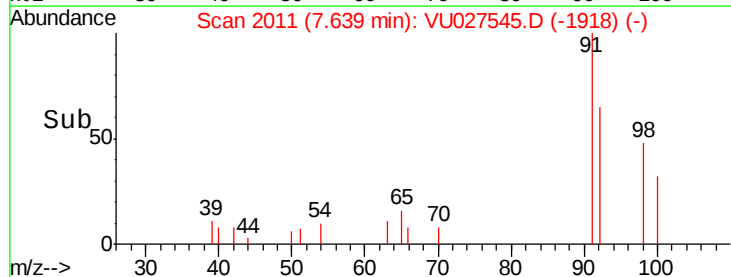
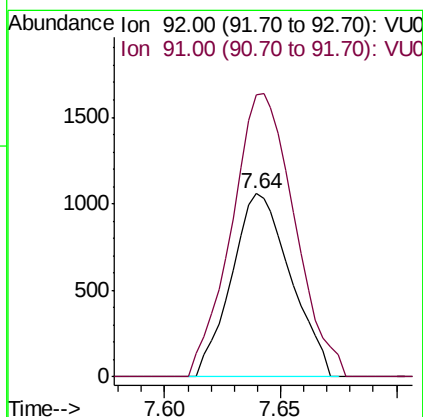
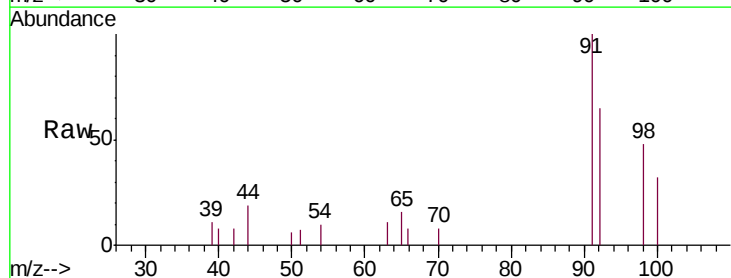
Instrument :
MSVOA_U
ClientSampled :
TW-1

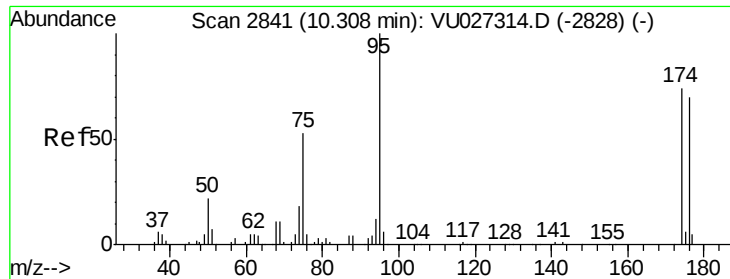
Tgt Ion: 98 Resp: 291790
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



#52
Toluene
Concen: 0.425 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU027545.D
Acq: 10 Oct 2018 00:38

Tgt Ion: 92 Resp: 1870
Ion Ratio Lower Upper
92 100
91 164.7 138.6 208.0

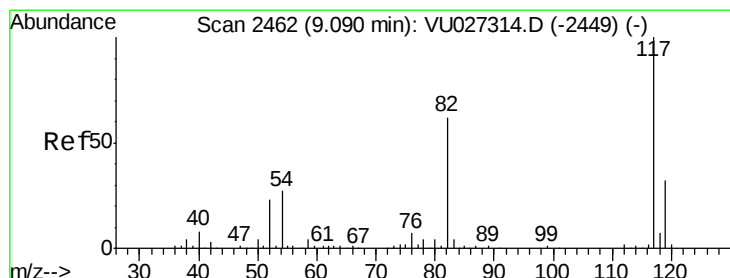
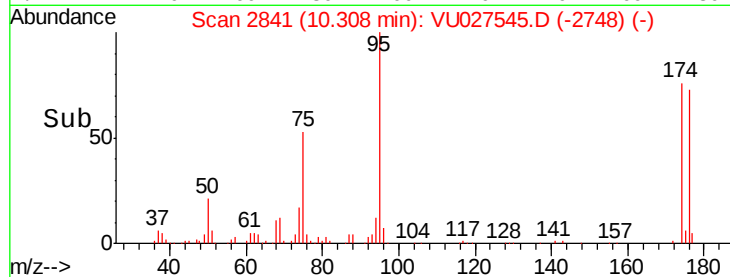
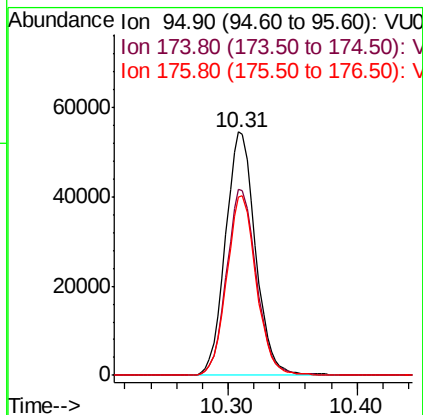
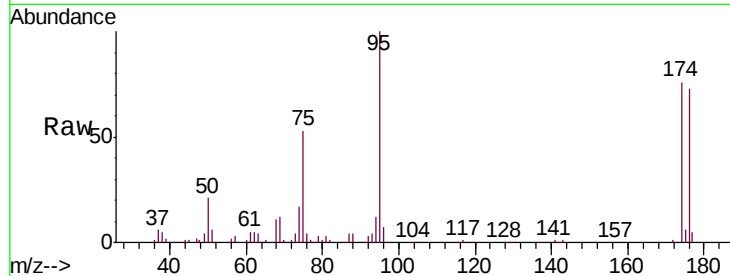




#62
 4-Bromofluorobenzene
 Concen: 39.295 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027545.D
 Acq: 10 Oct 2018 00:38

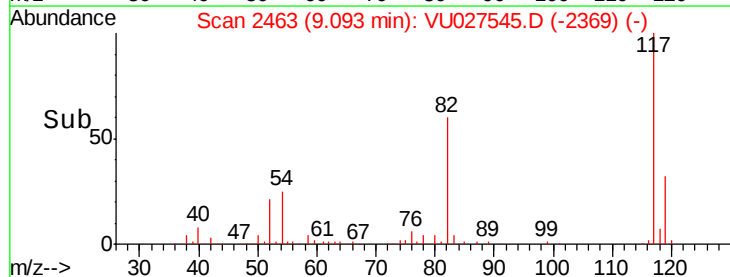
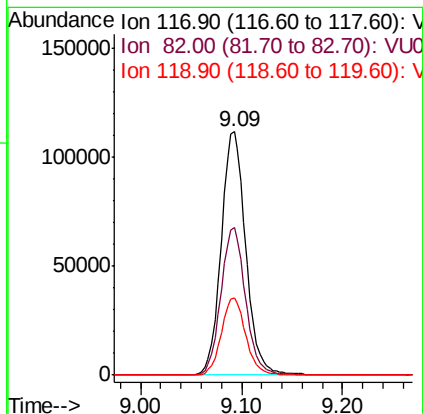
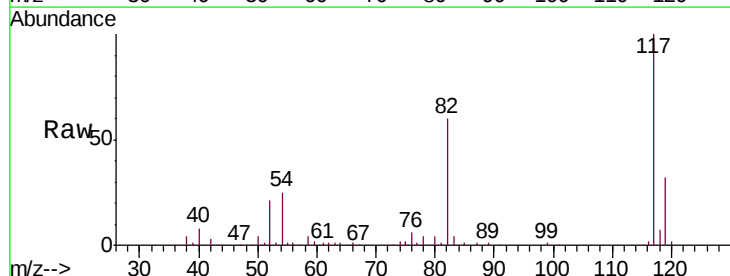
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-1

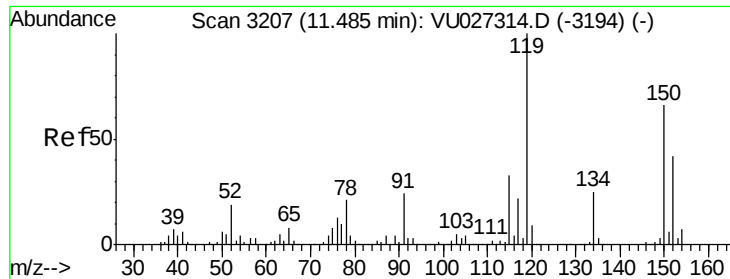
Tgt Ion: 95 Resp: 88005
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 147.8
 176 72.9 0.0 140.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027545.D
 Acq: 10 Oct 2018 00:38

Tgt Ion: 117 Resp: 190113
 Ion Ratio Lower Upper
 117 100
 82 60.4 49.2 73.8
 119 31.5 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027545.D

Acq: 10 Oct 2018 00:38

Instrument :

MSVOA_U

ClientSampleId :

TW-1

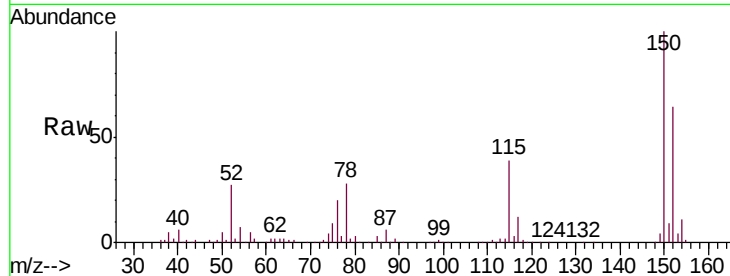
Tgt Ion:152 Resp: 78613

Ion Ratio Lower Upper

152 100

115 60.1 43.4 130.2

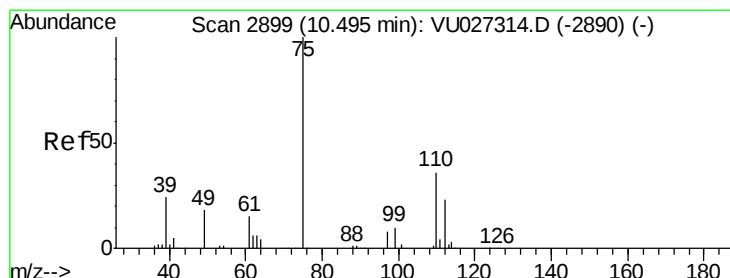
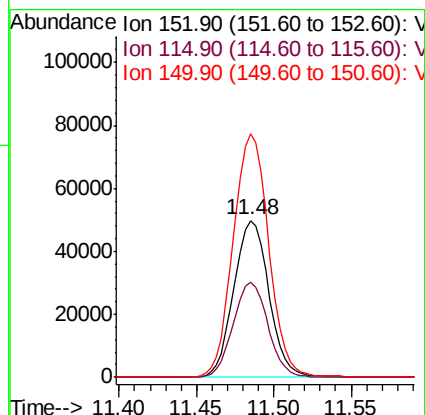
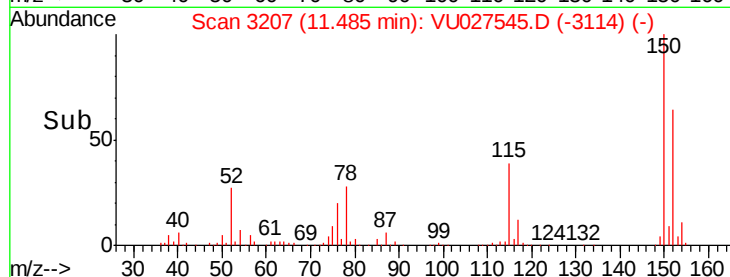
150 157.7 0.0 349.2



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: 22.831 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027545.D

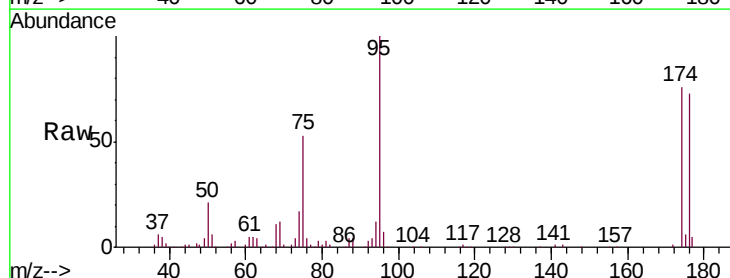
Acq: 10 Oct 2018 00:38

Tgt Ion: 75 Resp: 46525

Ion Ratio Lower Upper

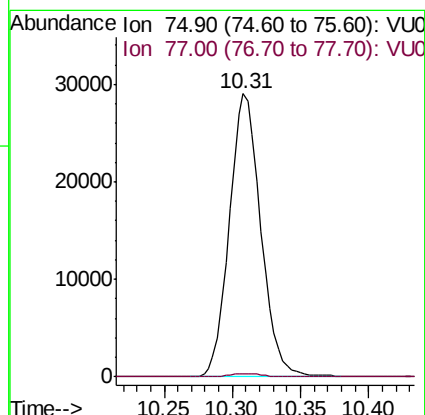
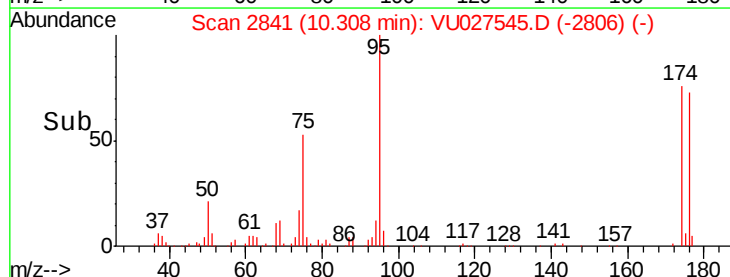
75 100

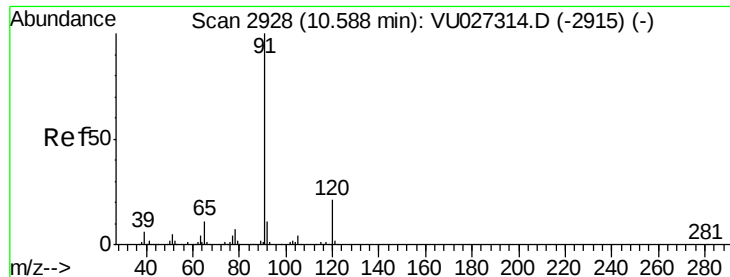
77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 0.253 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027545.D

Acq: 10 Oct 2018 00:38

Instrument :

MSVOA_U

ClientSampleId :

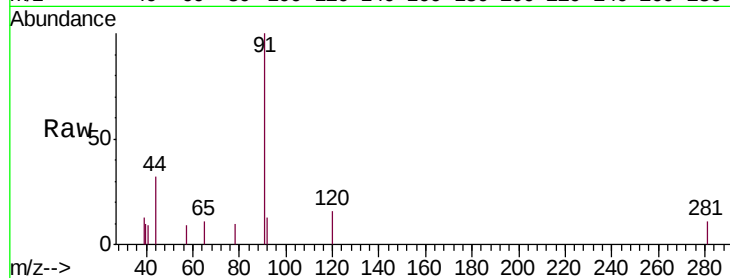
TW-1

Tgt Ion: 91 Resp: 1737

Ion Ratio Lower Upper

91 100

120 15.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2915) (-)

Ion 120.00 (119.70 to 120.70): VU027314.D (-2915) (-)

10.59

1200

1000

800

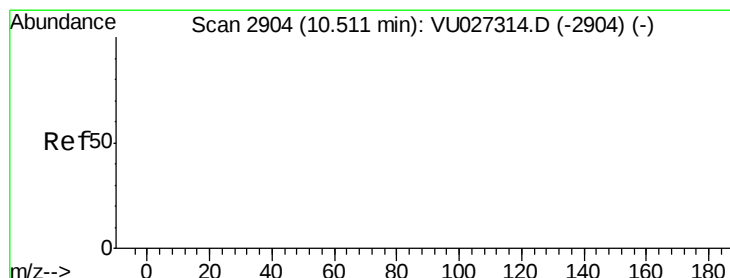
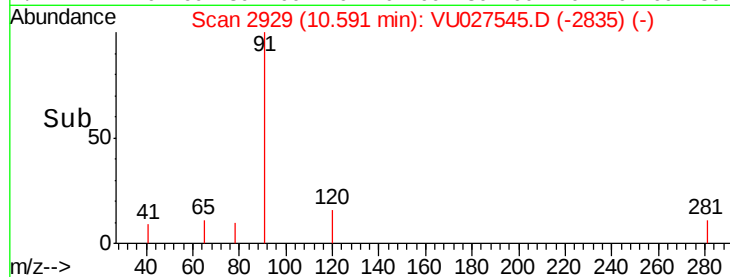
600

400

200

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.750 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027545.D

Acq: 10 Oct 2018 00:38

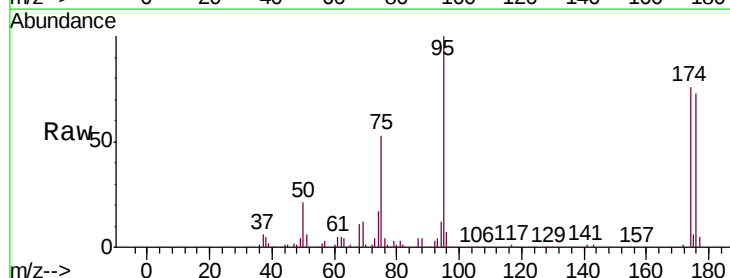
Tgt Ion: 75 Resp: 46525

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): VU027314.D (-2904) (-)

Ion 53.00 (52.70 to 53.70): VU027314.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU027314.D (-2904) (-)

10.31

40000

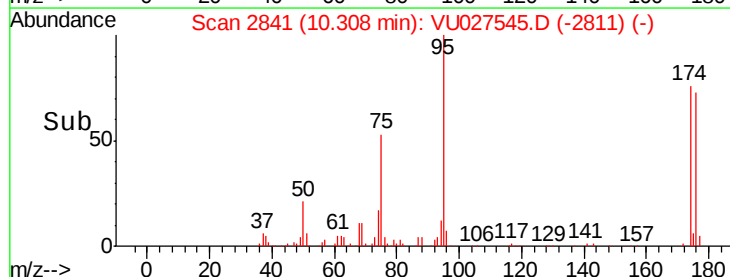
30000

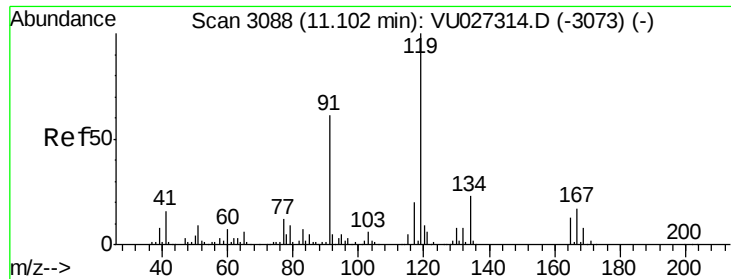
20000

10000

0

Time-->

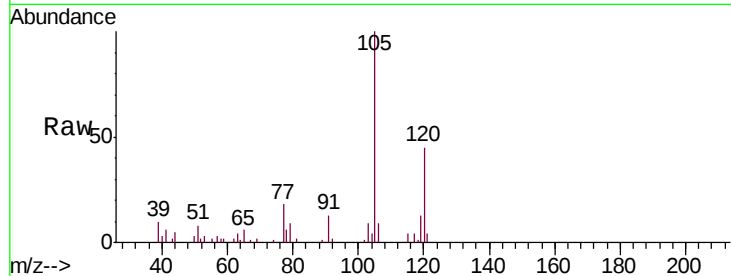




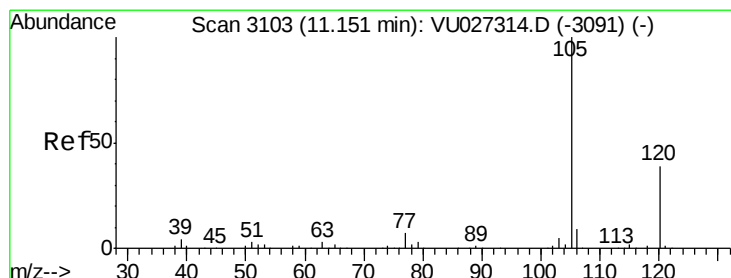
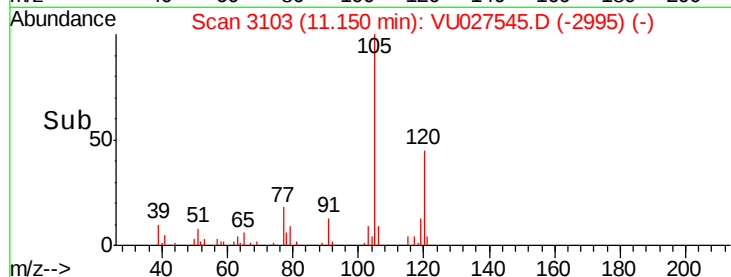
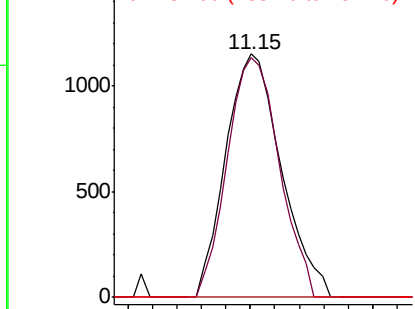
#83
tert-Butylbenzene
Concen: 0.405 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.05 min
Lab File: VU027545.D
Acq: 10 Oct 2018 00:38

Instrument :
MSVOA_U
ClientSampleId :
TW-1

Tgt Ion:119 Resp: 1822
Ion Ratio Lower Upper
119 100
91 92.0 30.3 91.0#
134 0.0 11.5 34.4#

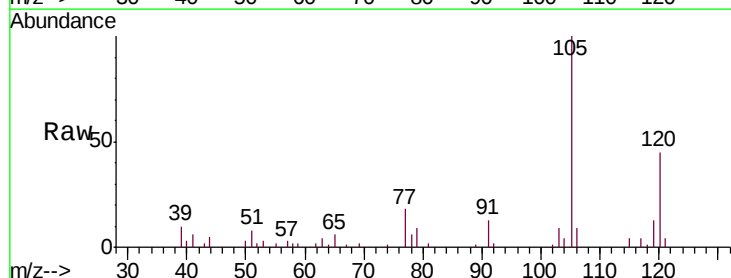


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

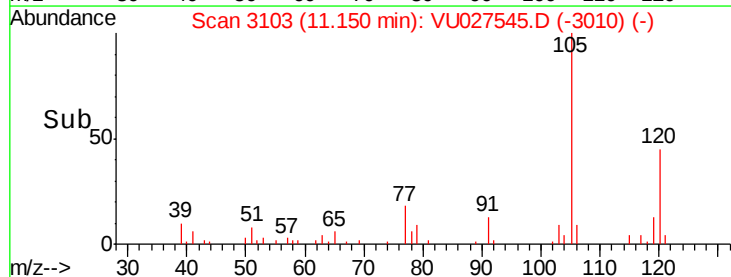
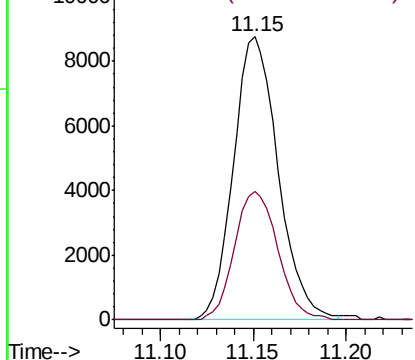


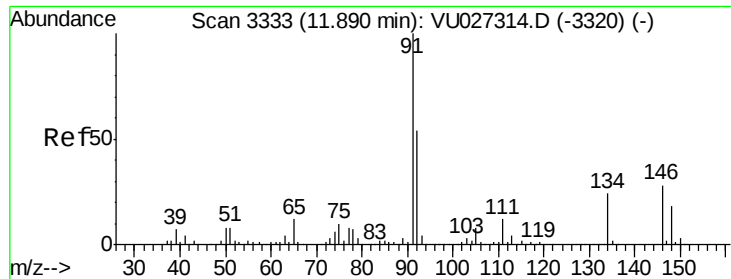
#84
1,2,4-Trimethylbenzene
Concen: 3.091 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU027545.D
Acq: 10 Oct 2018 00:38

Tgt Ion:105 Resp: 14678
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

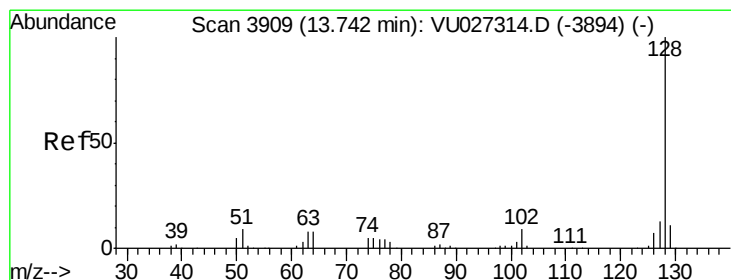
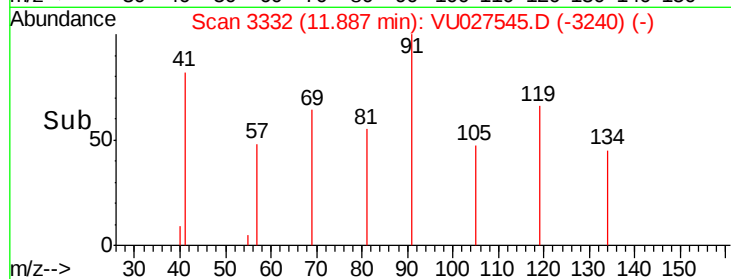
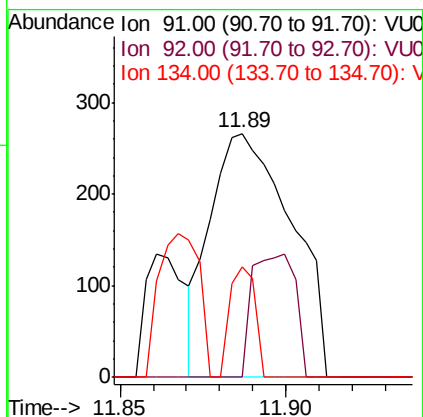
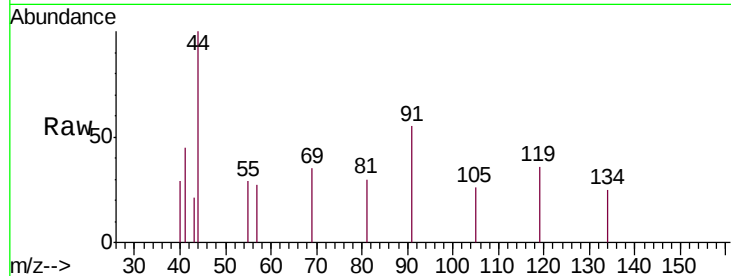




#89
n-Butylbenzene
Concen: 2.034 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU027545.D
Acq: 10 Oct 2018 00:38

Instrument :
MSVOA_U
ClientSampled :
TW-1

Tgt Ion: 91 Resp: 455
Ion Ratio Lower Upper
91 100
92 26.4 27.0 81.0#
134 14.1 11.7 35.1



#95
Naphthalene
Concen: 1.768 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU027545.D
Acq: 10 Oct 2018 00:38

Tgt Ion: 128 Resp: 666
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 12.8#

