

Data File : VU027531.D
Acq On : 09 Oct 2018 19:12
Operator : MD/SY
Sample : J5302-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB-100418

Quant Time: Oct 10 05:58:56 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	116886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	195436	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	167746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	97779	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	4.88	113	68429	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	7.57	98	246927	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	10.31	95	75013	40.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.52%	

Target Compounds

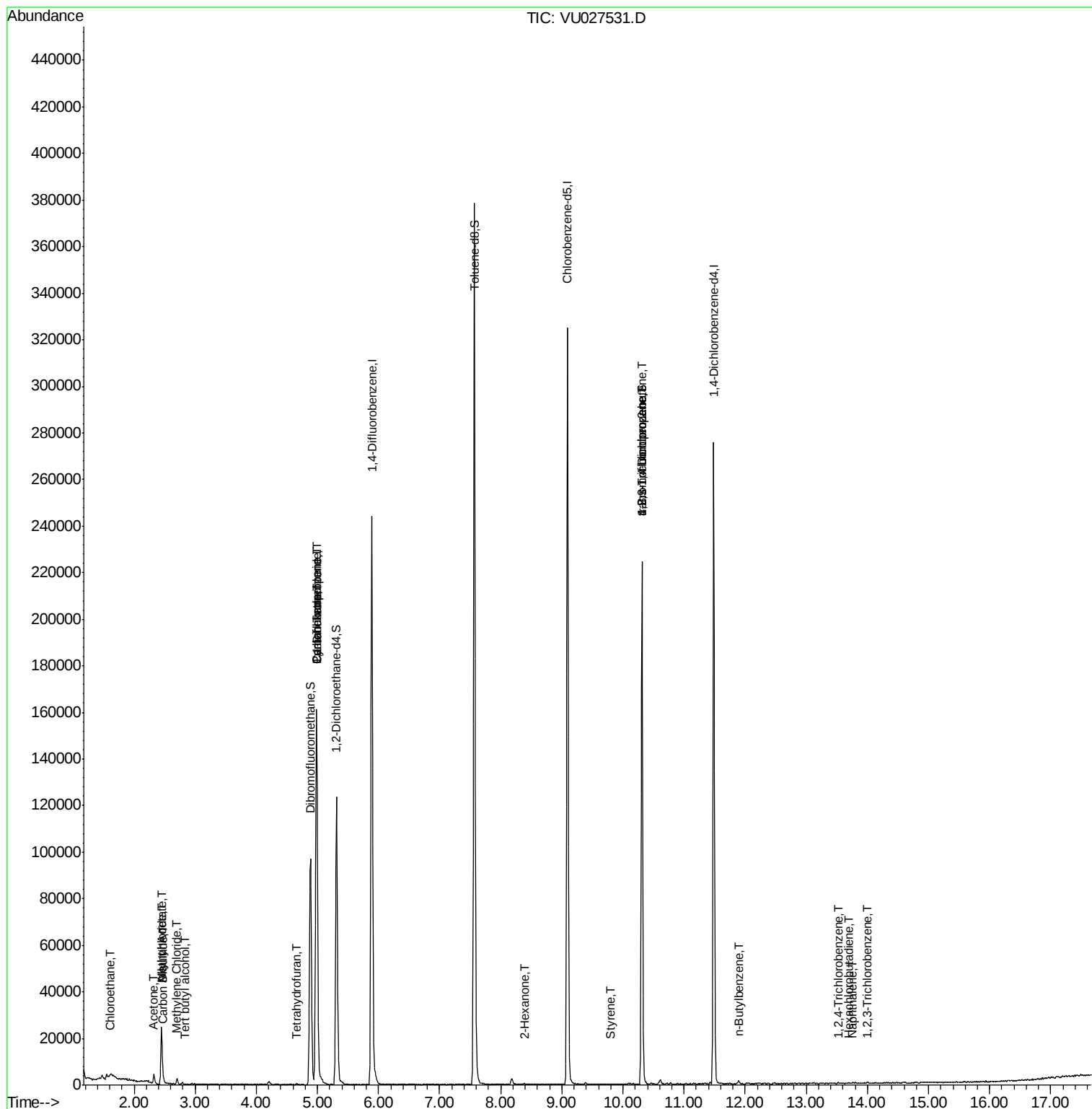
						Qvalue
6) Chloroethane	1.60	64	766	0.594	ug/l #	44
11) Tert butyl alcohol	2.83	59	92	0.224	ug/l #	72
14) Allyl chloride	2.45	41	2552	0.870	ug/l #	65
16) Acetone	2.32	43	4021	3.487	ug/l	97
17) Carbon Disulfide	2.48	76	926	0.208	ug/l #	75
18) Methyl Acetate	2.45	43	6533	2.484	ug/l #	56
20) Methylene Chloride	2.70	84	1036	0.645	ug/l #	87
29) Tetrahydrofuran	4.65	42	226	0.228	ug/l #	39
31) Cyclohexane	4.99	56	2815	0.665	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	10939	5.155	ug/l #	51
38) Carbon Tetrachloride	4.99	117	12163	6.345	ug/l #	19
59) 2-Hexanone	8.39	43	489	0.228	ug/l #	43
70) Styrene	9.80	104	185	2.343	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	40769	23.439	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	40769	61.343	ug/l #	100
89) n-Butylbenzene	11.90	91	787	2.122	ug/l	93
93) 1,2,4-Trichlorobenzene	13.52	180	361	0.267	ug/l #	78
94) Hexachlorobutadiene	13.70	225	239	0.350	ug/l #	50
95) Naphthalene	13.76	128	543	1.763	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	414	0.294	ug/l #	70

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

Data File : VU027531.D
Acq On : 09 Oct 2018 19:12
Operator : MD/SY
Sample : J5302-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB-100418

Quant Time: Oct 10 05:58:56 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027531.D

Acq: 09 Oct 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

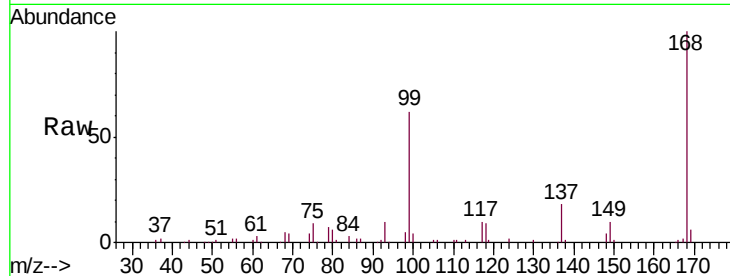
TB-100418

Tgt Ion:168 Resp: 116886

Ion Ratio Lower Upper

168 100

99 62.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027531.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027531.D (-1169) (-)

4.99

60000

50000

40000

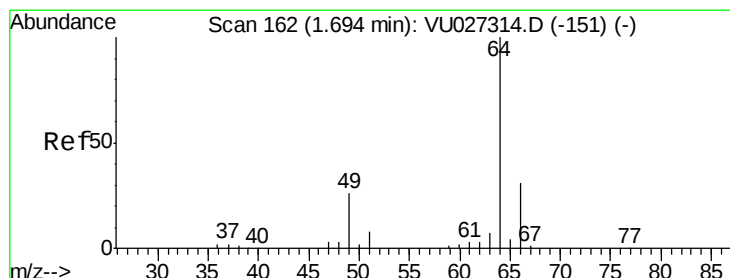
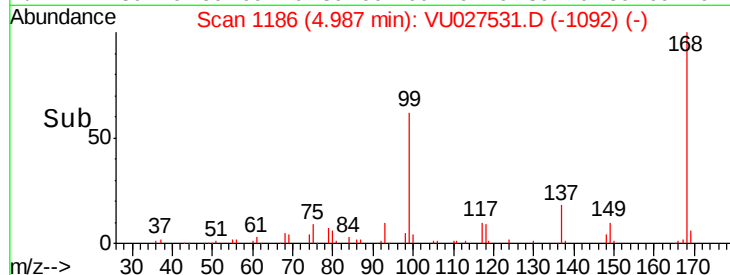
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 0.594 ug/l

RT: 1.60 min Scan# 133

Delta R.T. -0.09 min

Lab File: VU027531.D

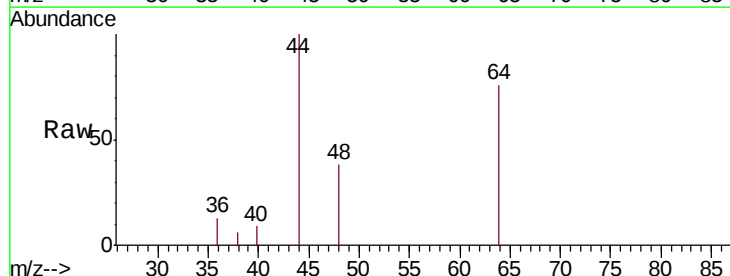
Acq: 09 Oct 2018 19:12

Tgt Ion: 64 Resp: 766

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027531.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027531.D (-151) (-)

1.60

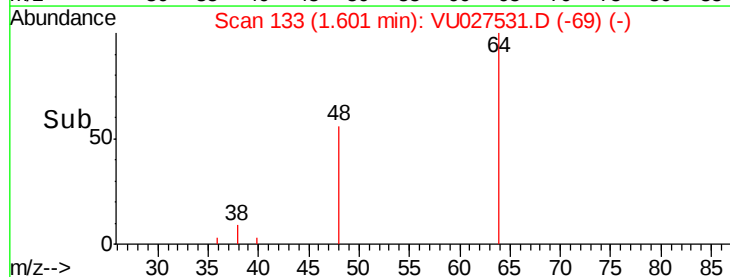
1500

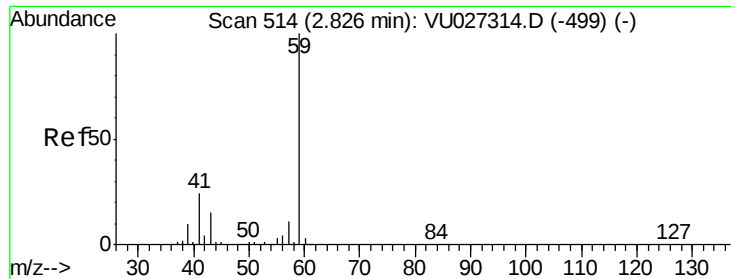
1000

500

0

Time-->

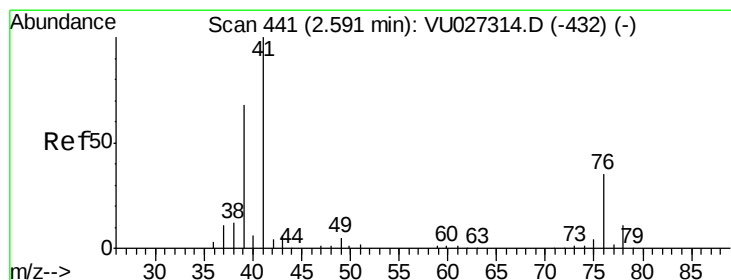
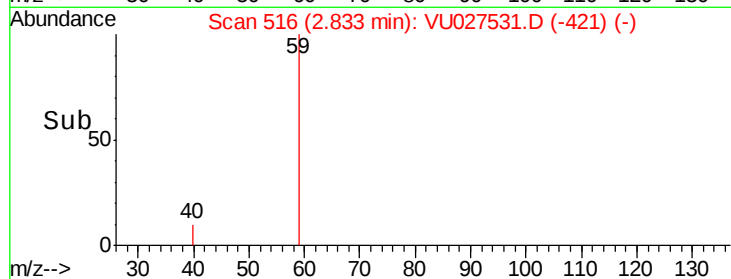
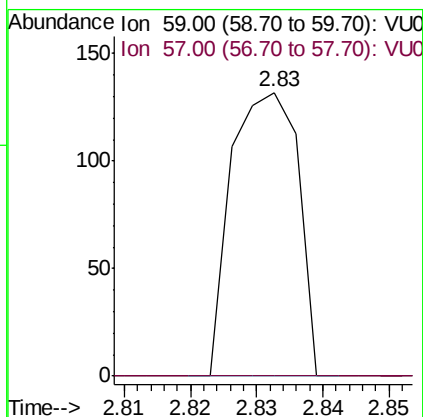
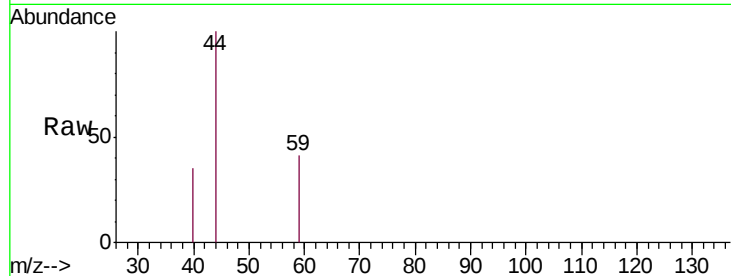




#11
Tert butyl alcohol
Concen: 0.224 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

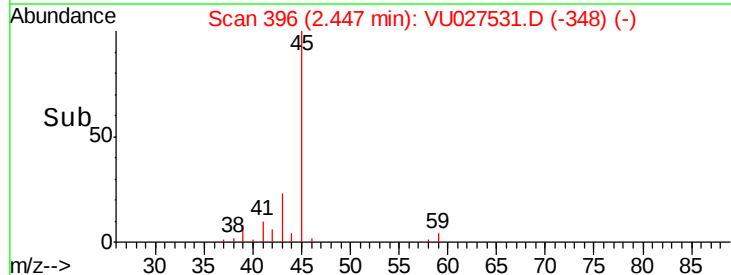
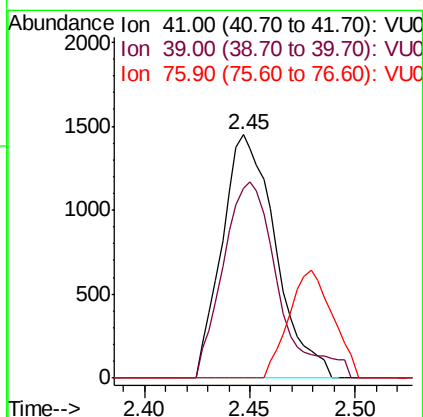
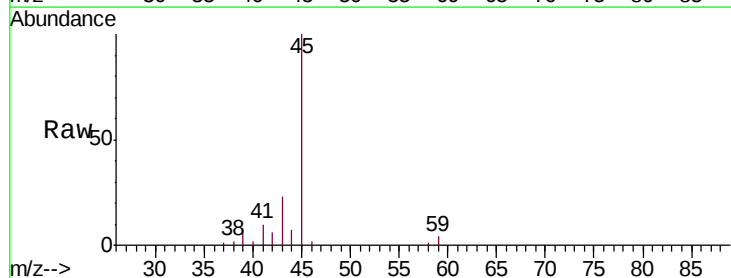
Instrument :
MSVOA_U
ClientSampled :
TB-100418

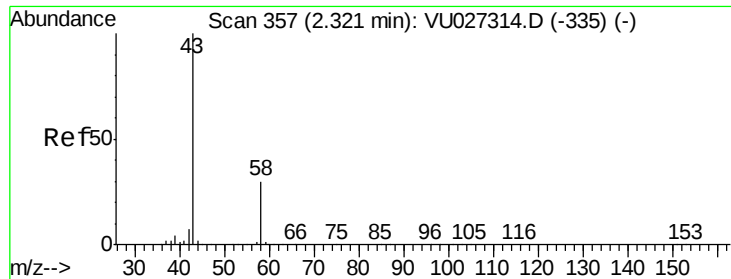
Tgt Ion: 59 Resp: 92
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#14
Allyl chloride
Concen: 0.870 ug/l
RT: 2.45 min Scan# 396
Delta R.T. -0.14 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Tgt Ion: 41 Resp: 2552
Ion Ratio Lower Upper
41 100
39 82.8 51.8 77.8#
76 0.0 25.9 38.9#





#16

Acetone

Concen: 3.487 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027531.D

Acq: 09 Oct 2018 19:12

Instrument :

MSVOA_U

ClientSampled :

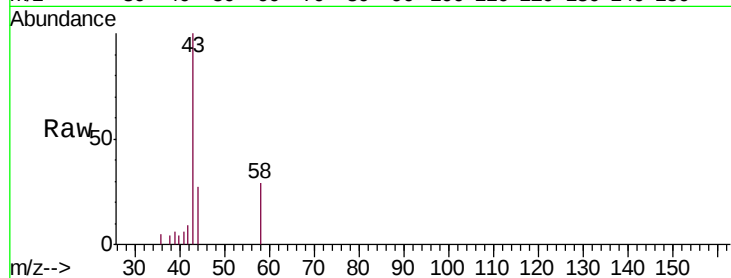
TB-100418

Tgt Ion: 43 Resp: 4021

Ion Ratio Lower Upper

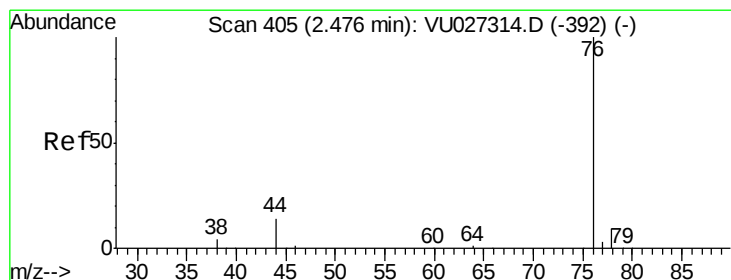
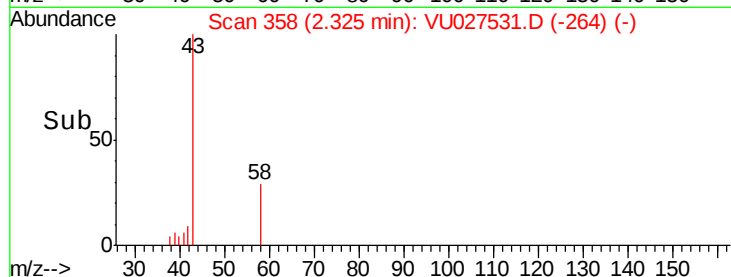
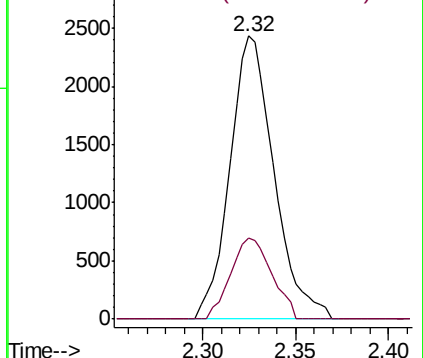
43 100

58 28.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027531.D

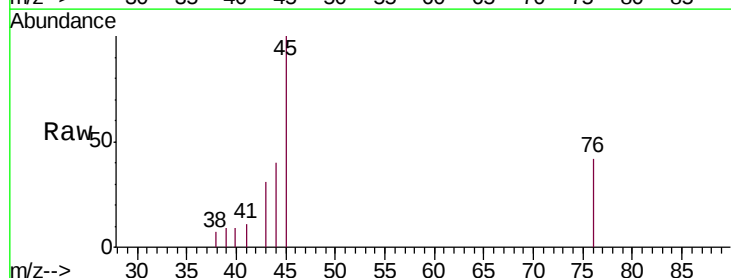
Acq: 09 Oct 2018 19:12

Tgt Ion: 76 Resp: 926

Ion Ratio Lower Upper

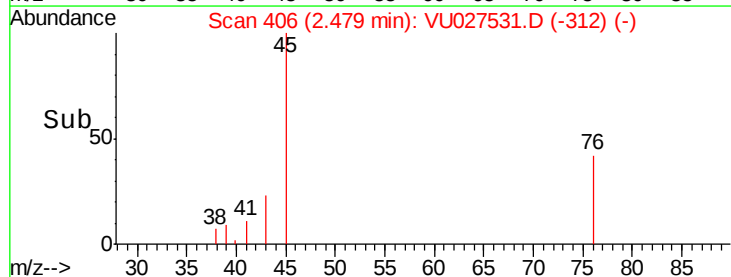
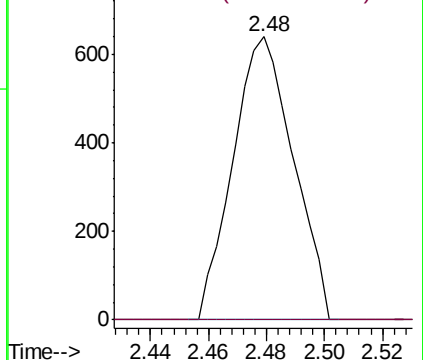
76 100

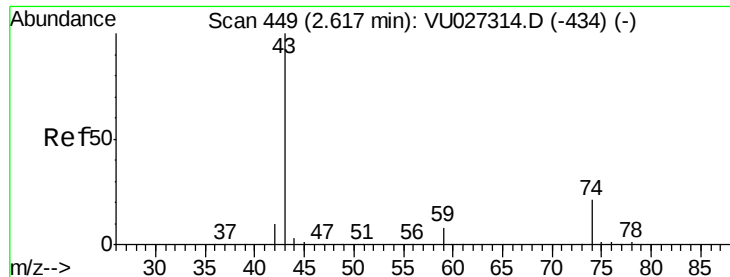
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

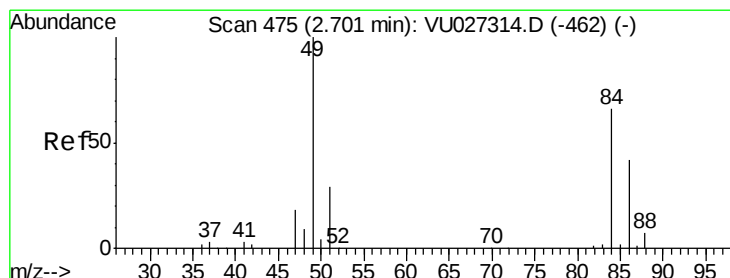
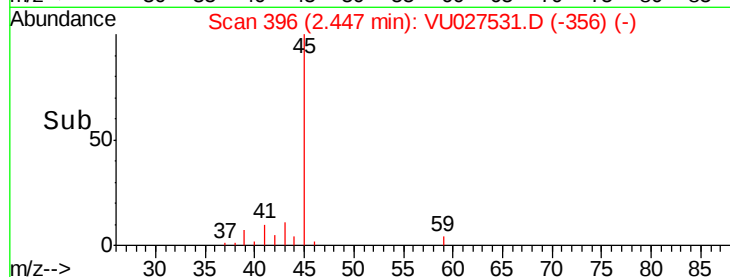
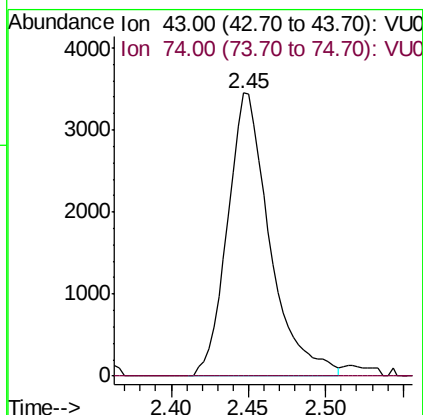
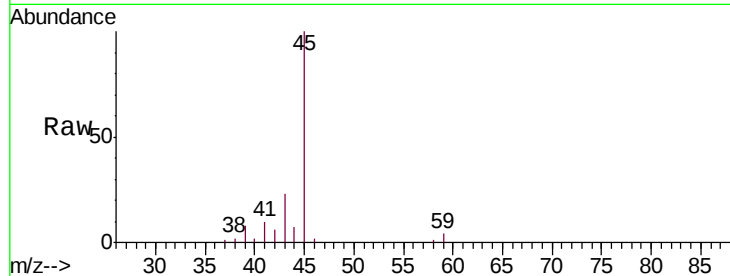




#18
Methyl Acetate
Concen: 2.484 ug/l
RT: 2.45 min Scan# 396
Delta R.T. -0.17 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

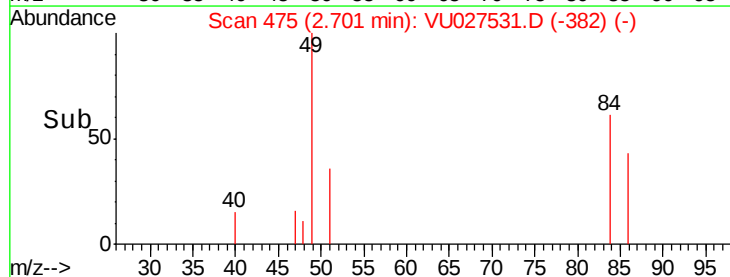
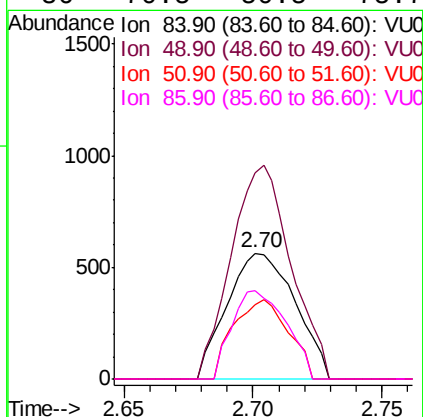
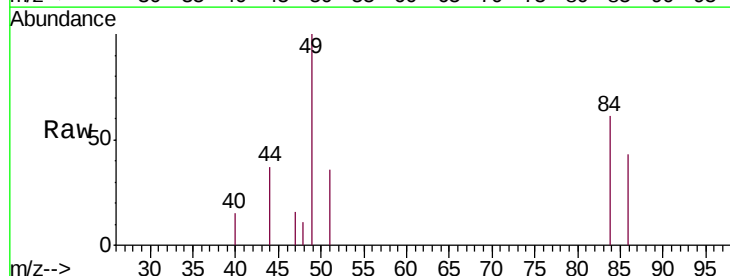
Instrument :
MSVOA_U
ClientSampleId :
TB-100418

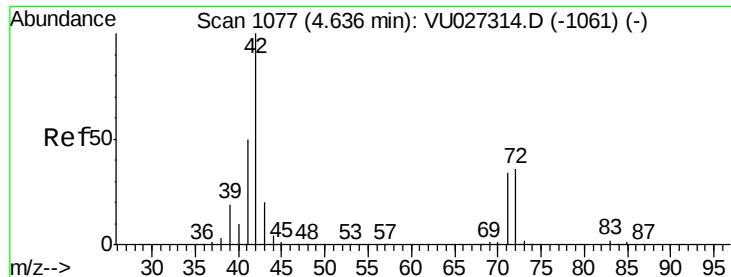
Tgt Ion: 43 Resp: 6533
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#20
Methylene Chloride
Concen: 0.645 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Tgt Ion: 84 Resp: 1036
Ion Ratio Lower Upper
84 100
49 164.1 120.5 180.7
51 59.4 35.1 52.7#
86 70.5 50.5 75.7

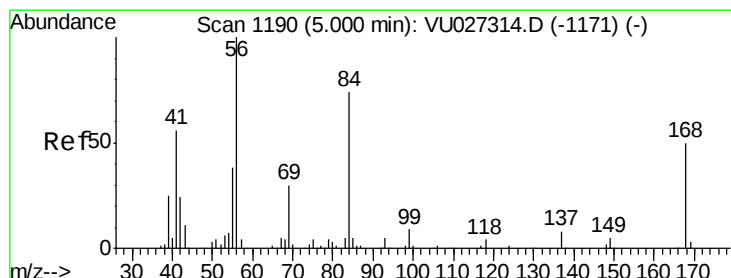
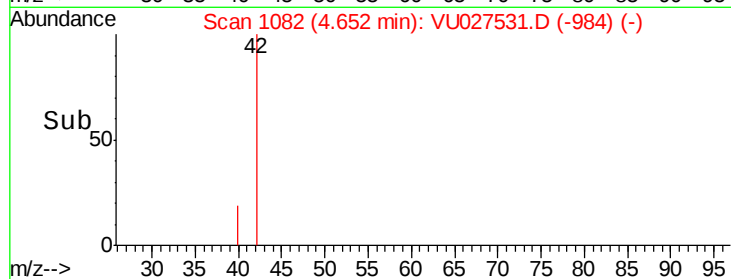
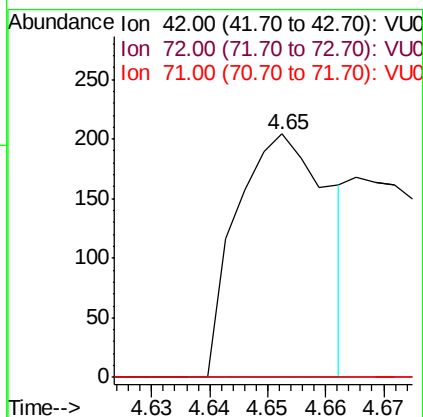
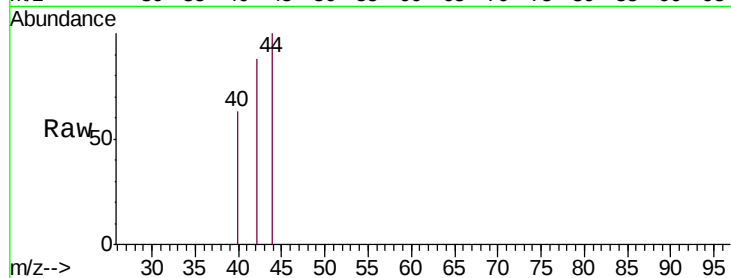




#29
Tetrahydrofuran
Concen: 0.228 ug/l
RT: 4.65 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

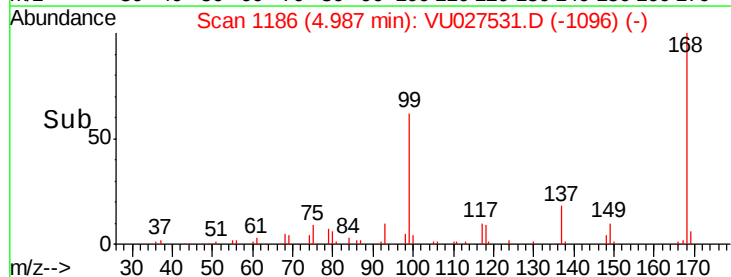
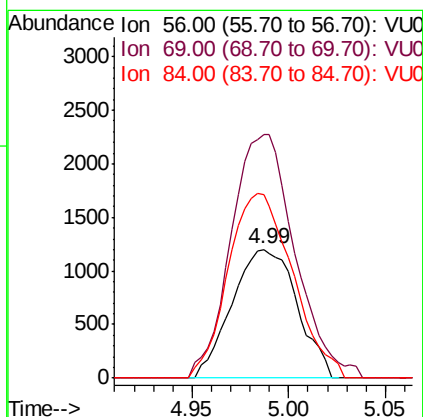
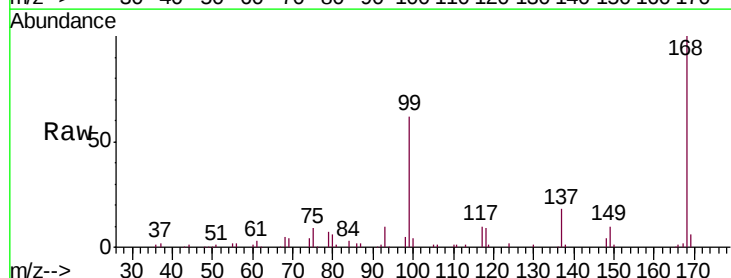
Instrument :
MSVOA_U
ClientSampleId :
TB-100418

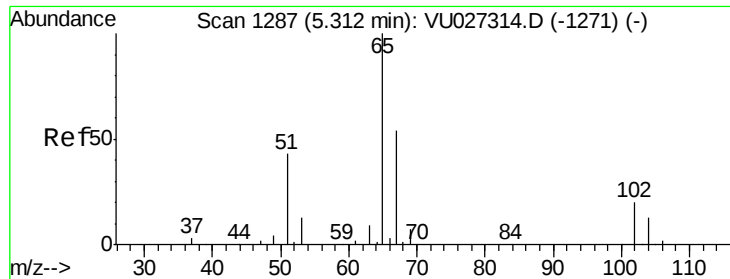
Tgt Ion: 42 Resp: 226
Ion Ratio Lower Upper
42 100
72 0.0 30.1 45.1#
71 0.0 27.7 41.5#



#31
Cyclohexane
Concen: 0.665 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Tgt Ion: 56 Resp: 2815
Ion Ratio Lower Upper
56 100
69 188.9 24.1 36.1#
84 141.9 59.1 88.7#

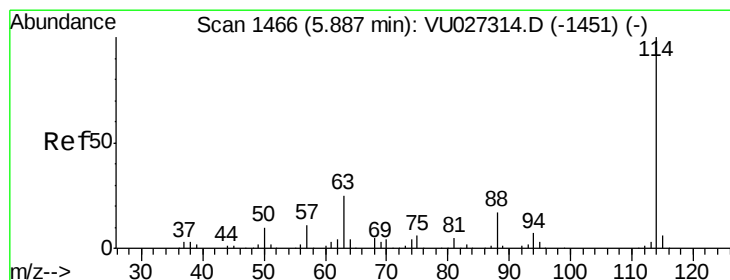
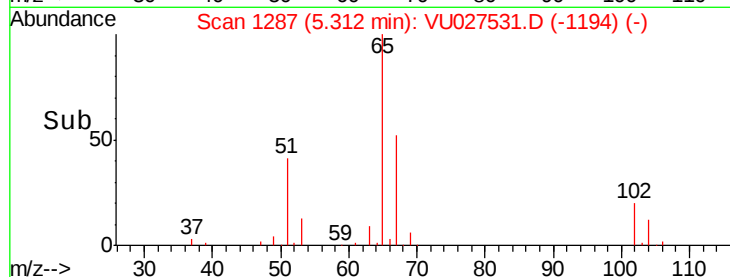
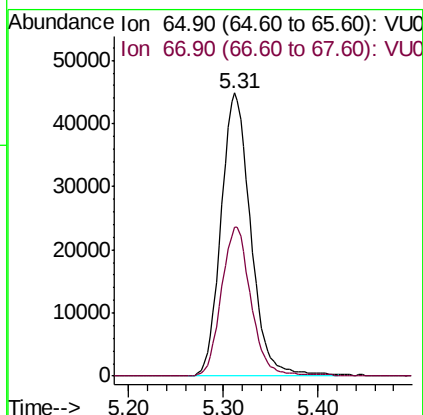
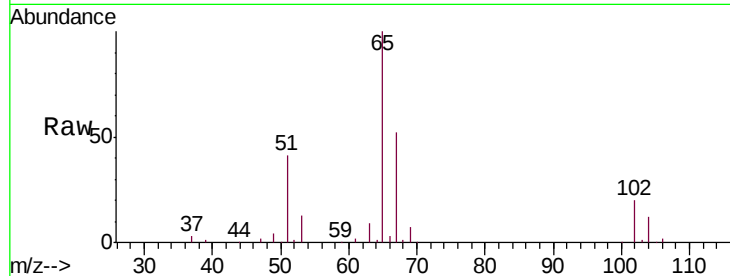




#33
 1,2-Dichloroethane-d4
 Concen: 50.097 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027531.D
 Acq: 09 Oct 2018 19:12

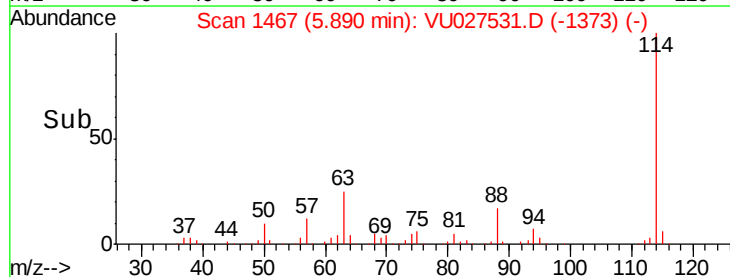
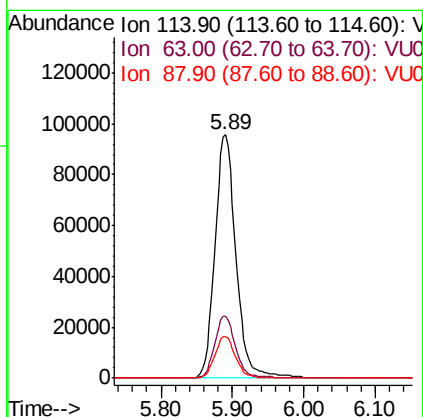
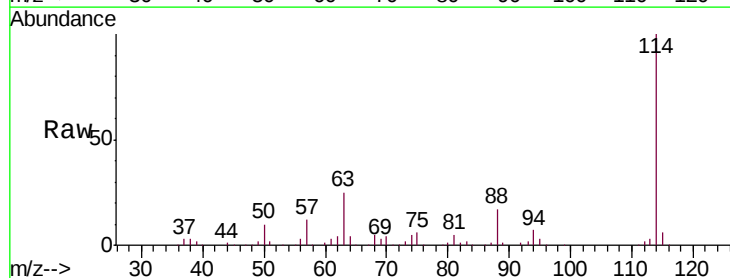
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-100418

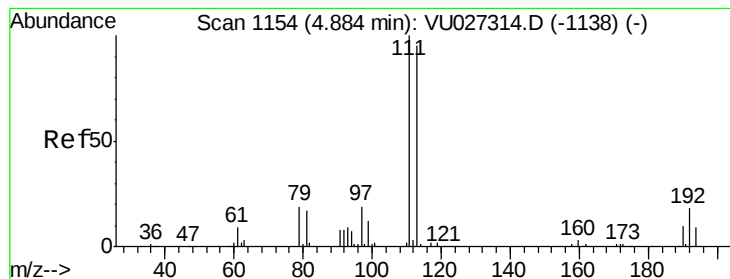
Tgt Ion: 65 Resp: 97779
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027531.D
 Acq: 09 Oct 2018 19:12

Tgt Ion: 114 Resp: 195436
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 50.2
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.090 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027531.D

Acq: 09 Oct 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

TB-100418

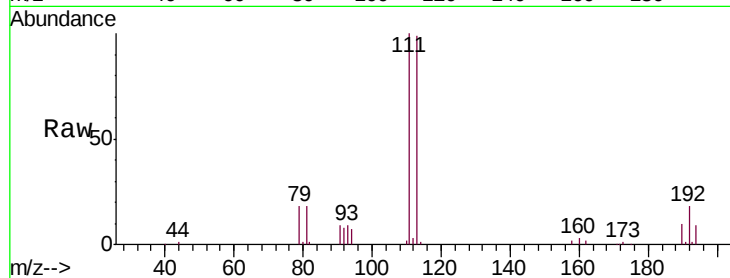
Tgt Ion:113 Resp: 68429

Ion Ratio Lower Upper

113 100

111 101.9 83.1 124.7

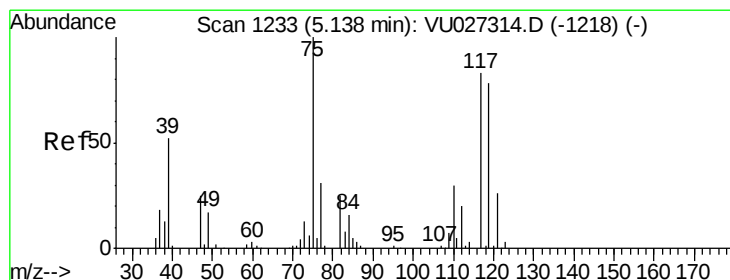
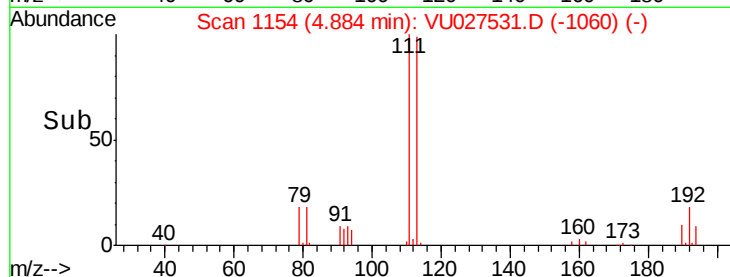
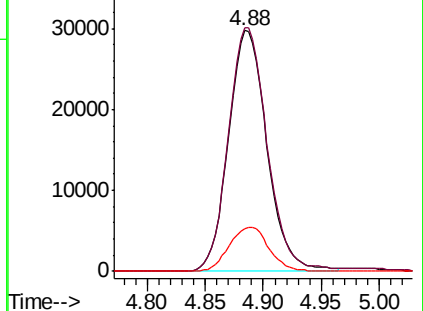
192 18.9 15.4 23.0



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: 5.155 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027531.D

Acq: 09 Oct 2018 19:12

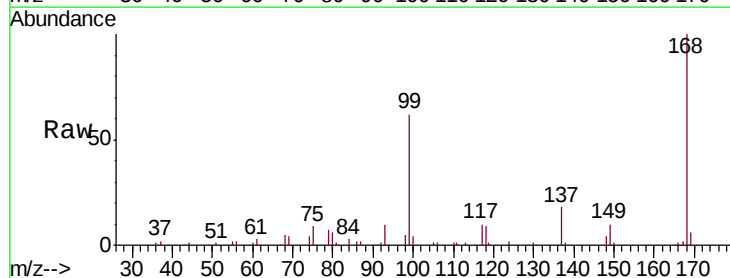
Tgt Ion: 75 Resp: 10939

Ion Ratio Lower Upper

75 100

110 8.6 15.5 46.5#

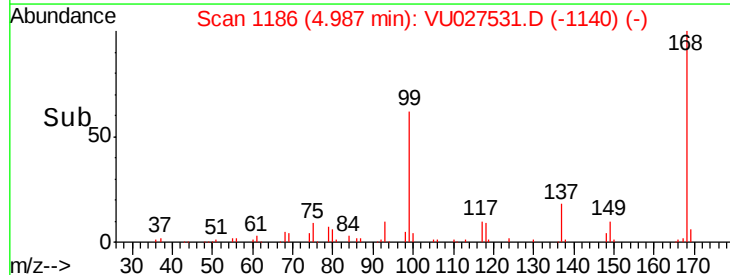
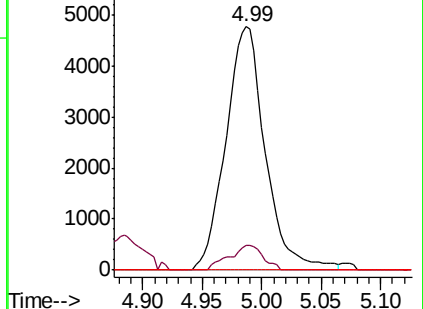
77 0.0 25.4 38.0#

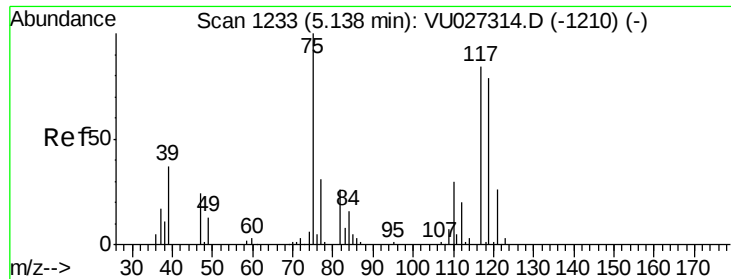


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

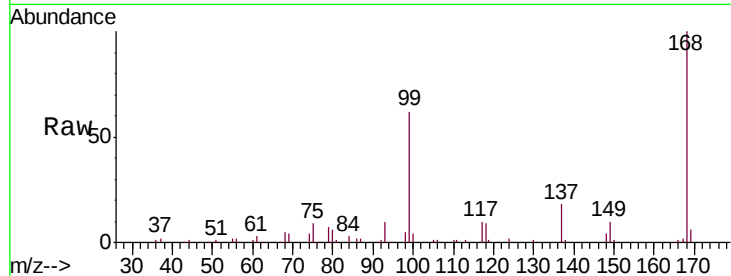




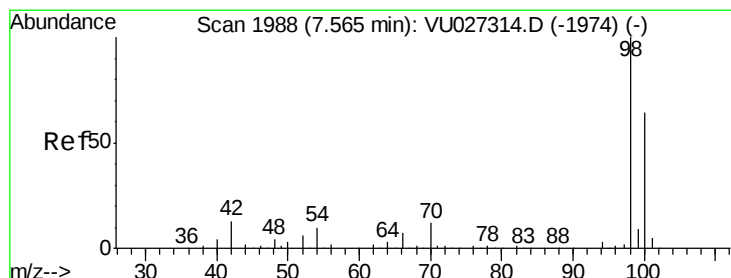
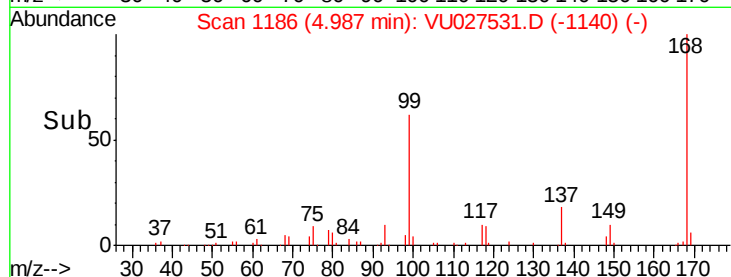
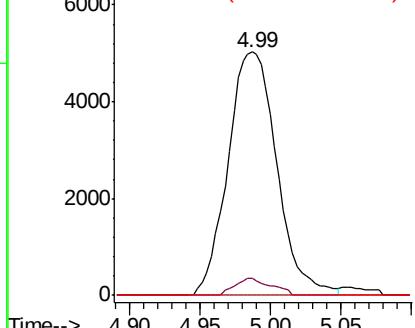
#38
Carbon Tetrachloride
Concen: 6.345 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
TB-100418

Tgt Ion:117 Resp: 12163
Ion Ratio Lower Upper
117 100
119 6.9 74.5 111.7#
121 0.0 24.6 37.0#

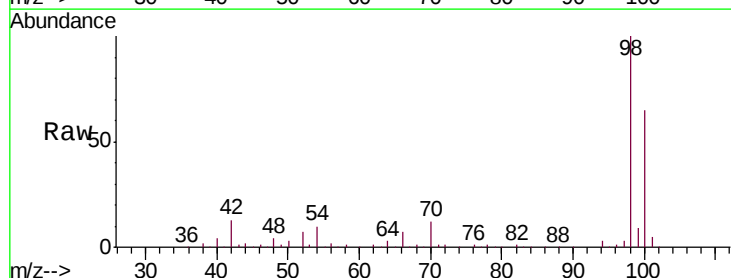


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

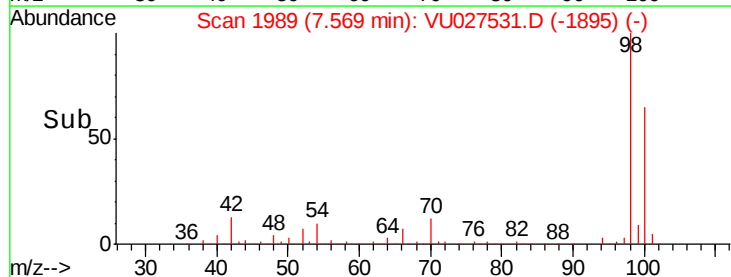
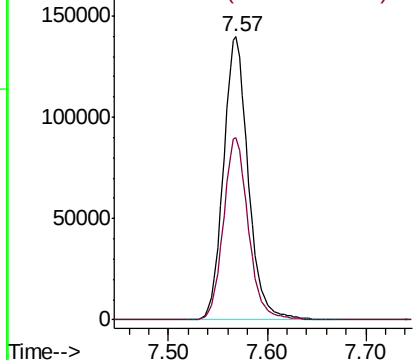


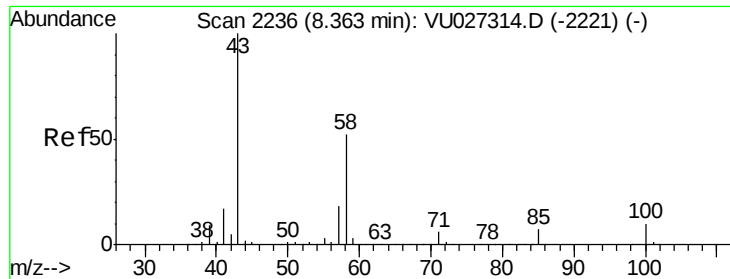
#50
Toluene-d8
Concen: 49.258 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Tgt Ion: 98 Resp: 246927
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



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

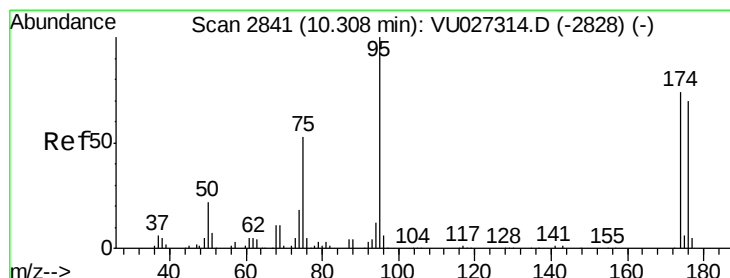
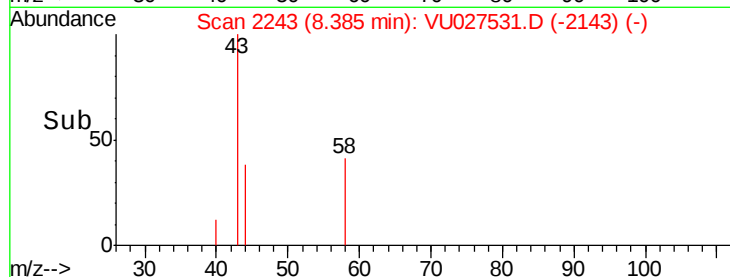
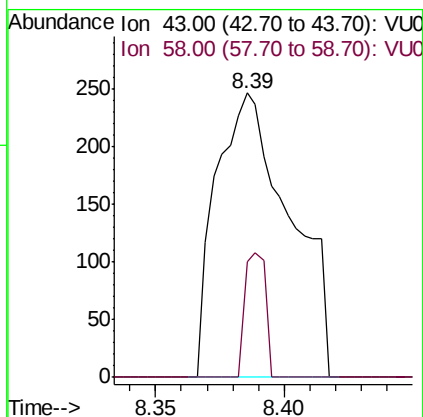
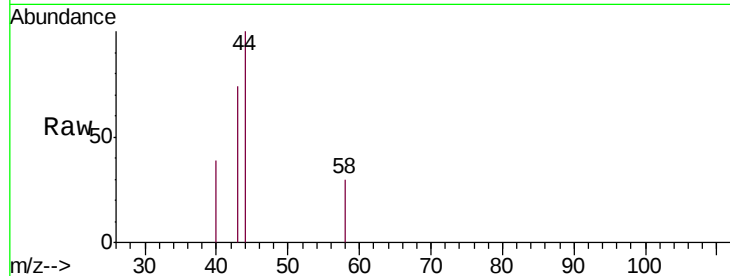




#59
2-Hexanone
Concen: 0.228 ug/l
RT: 8.39 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

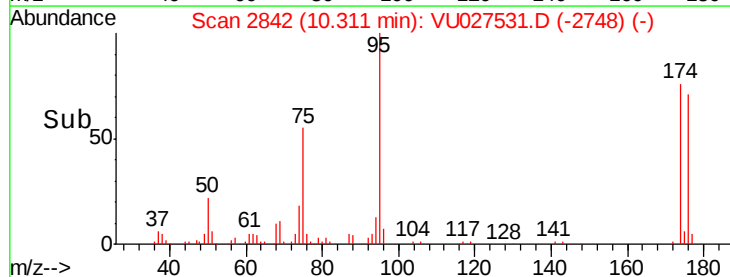
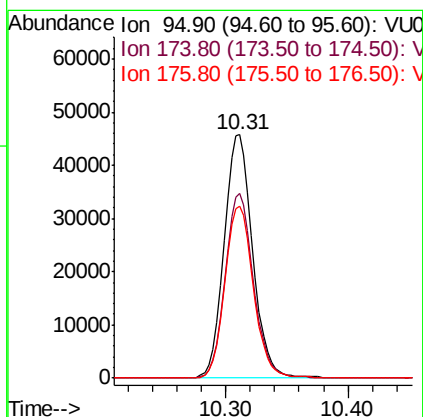
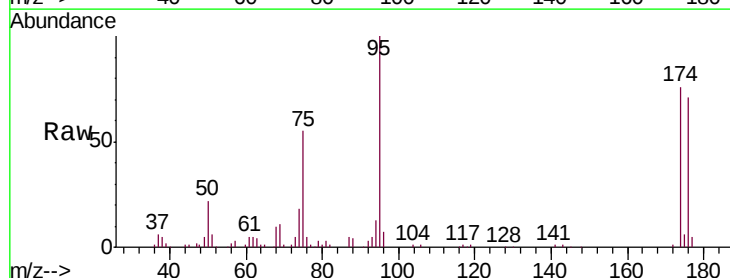
Instrument :
MSVOA_U
ClientSampled :
TB-100418

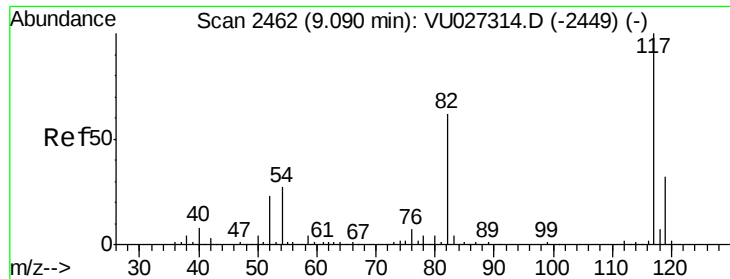
Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
58 12.1 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 40.265 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Tgt Ion: 95 Resp: 75013
Ion Ratio Lower Upper
95 100
174 75.2 0.0 147.8
176 70.9 0.0 140.8

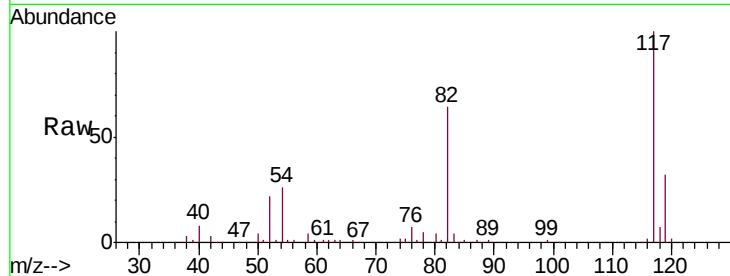




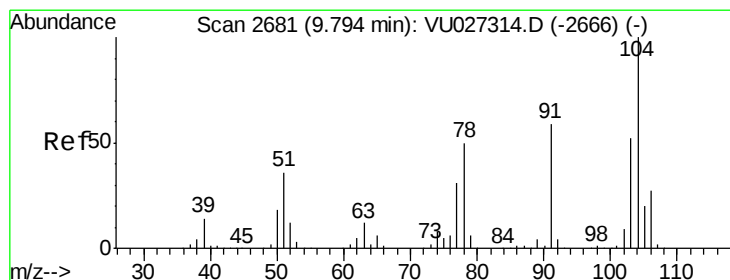
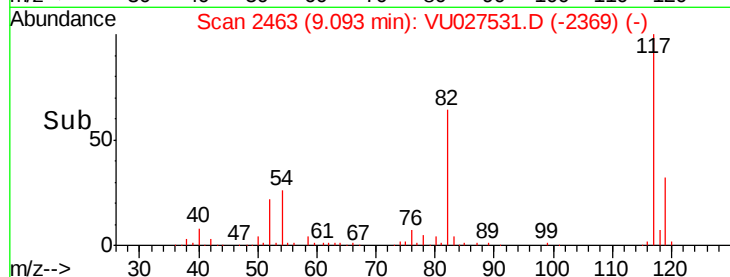
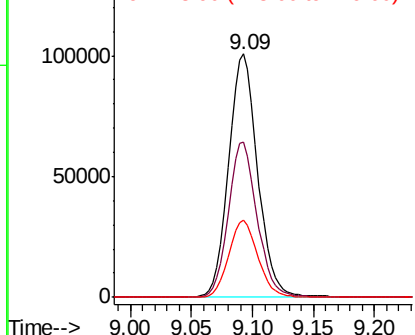
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
TB-100418

Tgt Ion:117 Resp: 167746
Ion Ratio Lower Upper
117 100
82 63.6 49.2 73.8
119 31.7 25.7 38.5

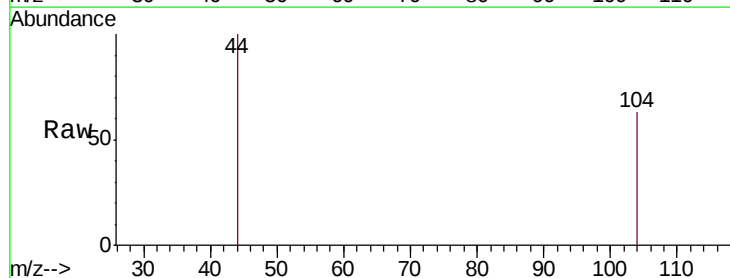


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

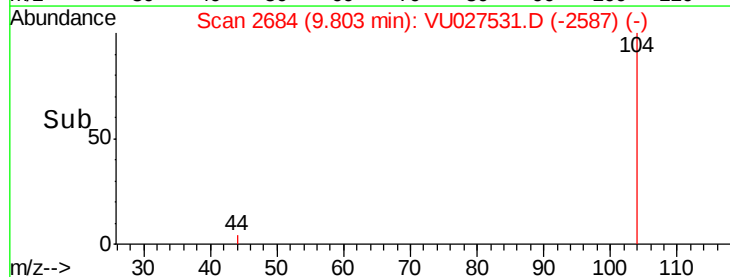
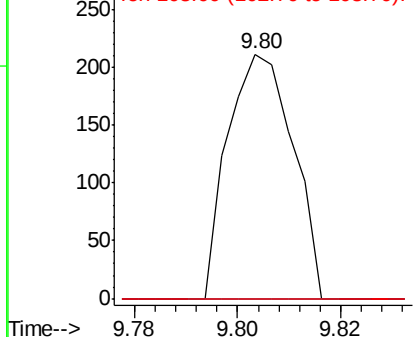


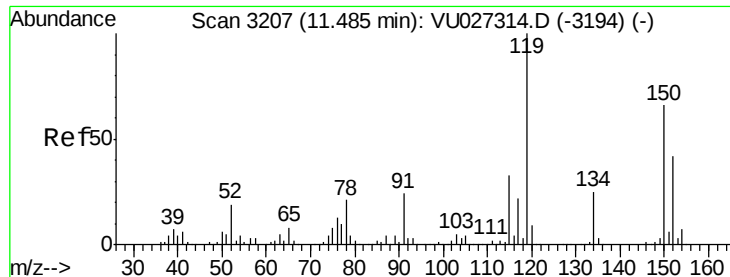
#70
Styrene
Concen: 2.343 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Tgt Ion:104 Resp: 185
Ion Ratio Lower Upper
104 100
78 0.0 42.9 64.3#
103 0.0 43.9 65.9#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): 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: VU027531.D

Acq: 09 Oct 2018 19:12

Instrument :

MSVOA_U

ClientSampleId :

TB-100418

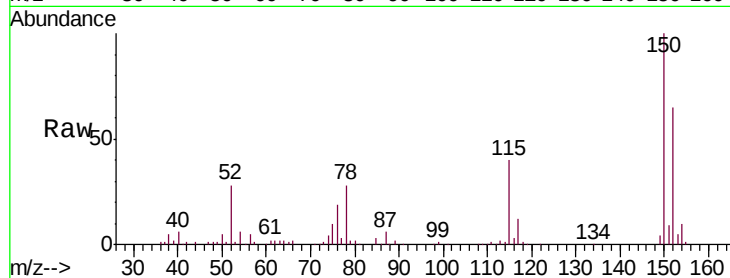
Tgt Ion:152 Resp: 67098

Ion Ratio Lower Upper

152 100

115 60.9 43.4 130.2

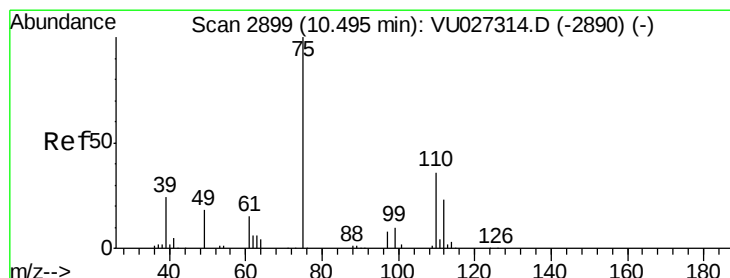
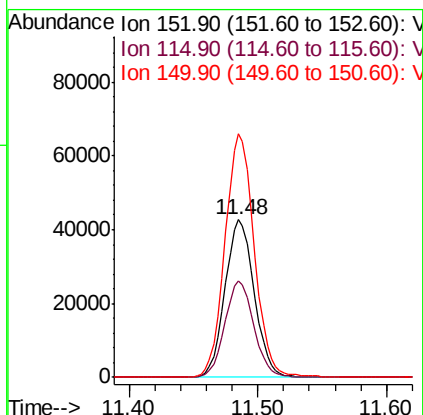
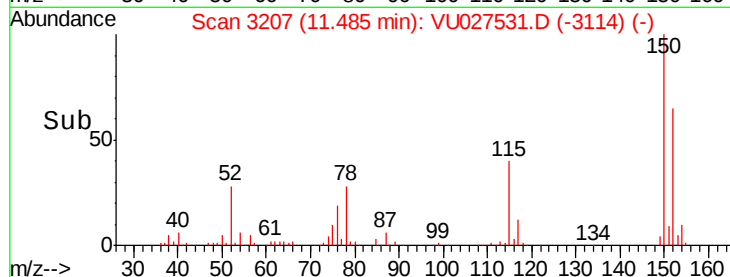
150 154.5 0.0 349.2



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: 23.439 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.18 min

Lab File: VU027531.D

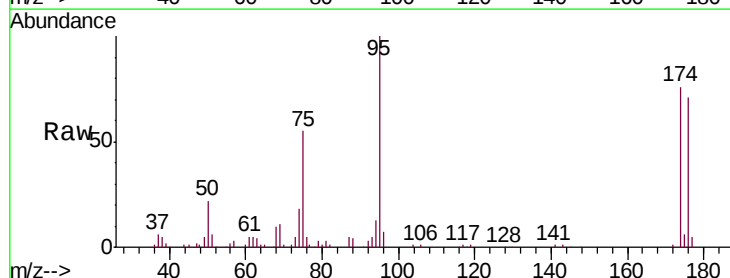
Acq: 09 Oct 2018 19:12

Tgt Ion: 75 Resp: 40769

Ion Ratio Lower Upper

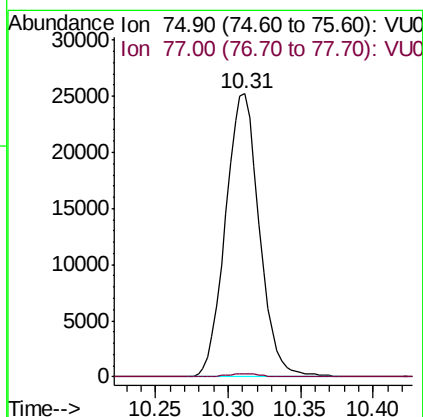
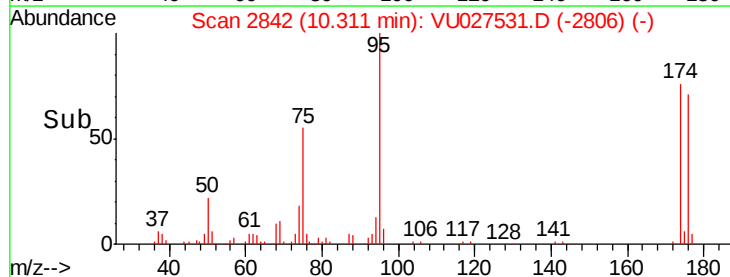
75 100

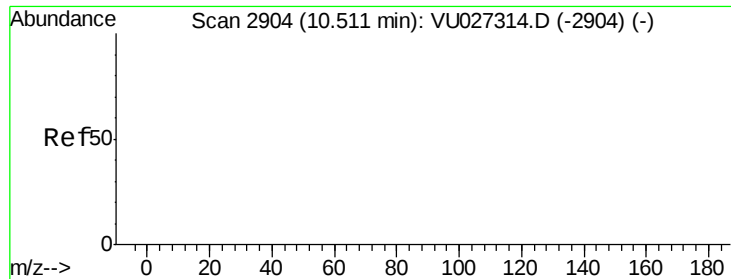
77 1.0 20.3 60.9#



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: 61.343 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.20 min

Lab File: VU027531.D

Acq: 09 Oct 2018 19:12

Instrument :

MSVOA_U

ClientSampled :

TB-100418

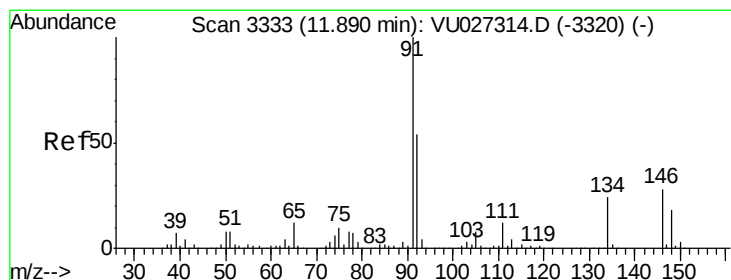
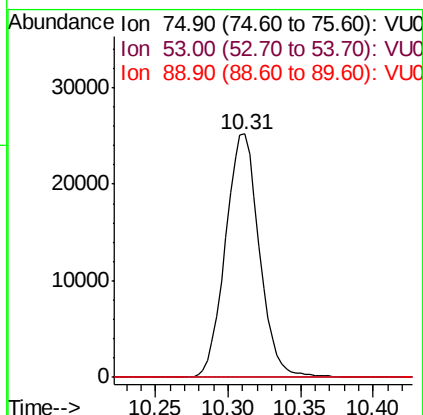
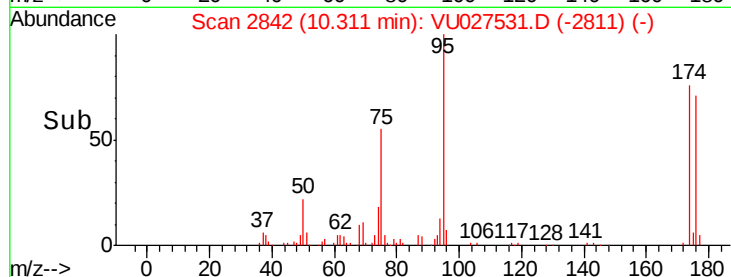
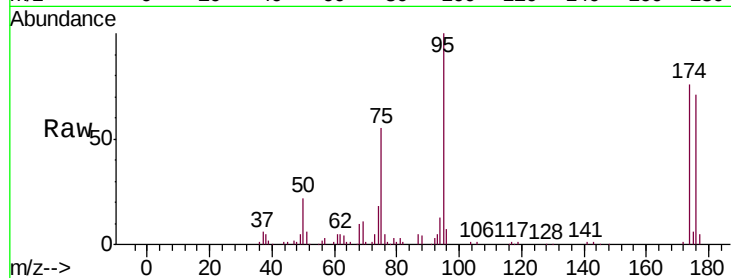
Tgt Ion: 75 Resp: 40769

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#89

n-Butylbenzene

Concen: 2.122 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027531.D

Acq: 09 Oct 2018 19:12

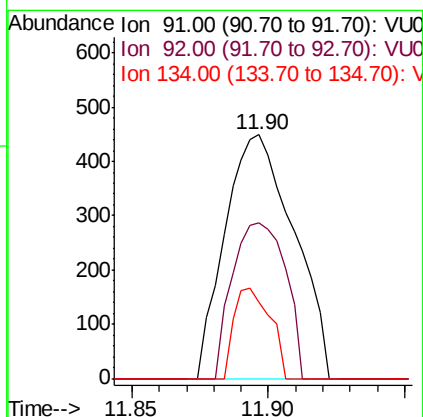
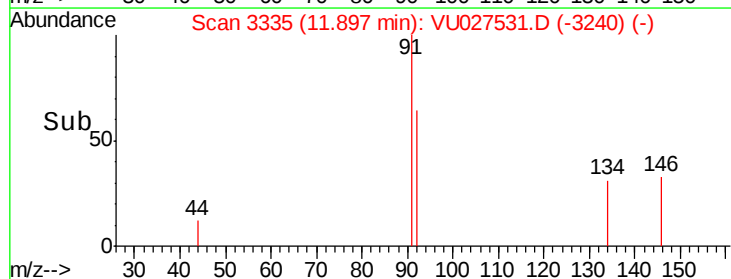
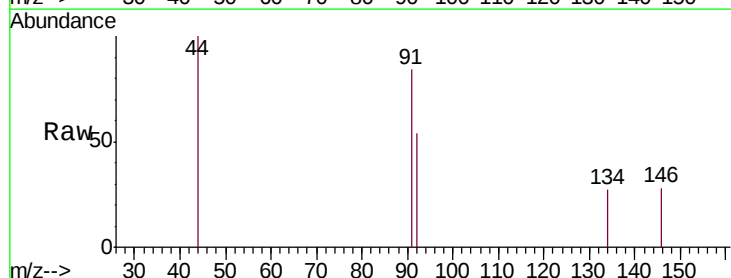
Tgt Ion: 91 Resp: 787

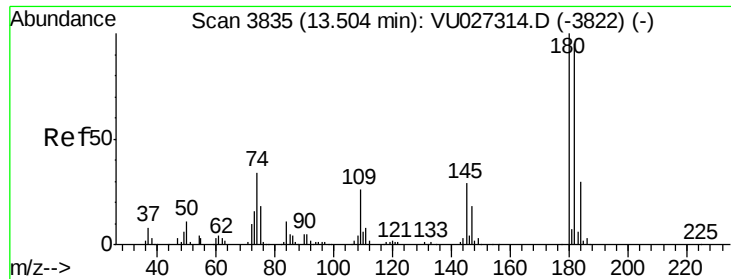
Ion Ratio Lower Upper

91 100

92 49.3 27.0 81.0

134 19.6 11.7 35.1

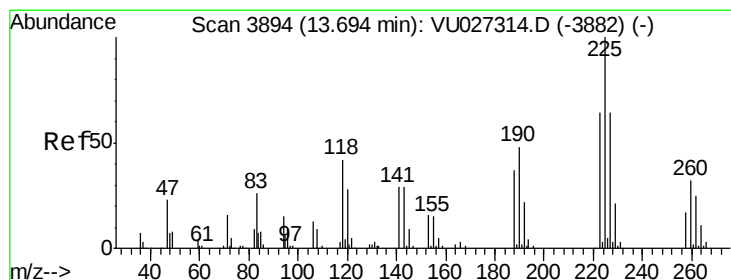
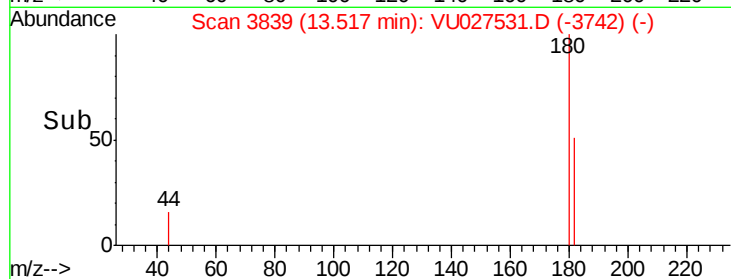
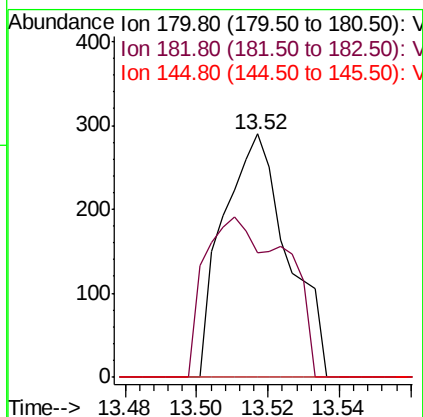
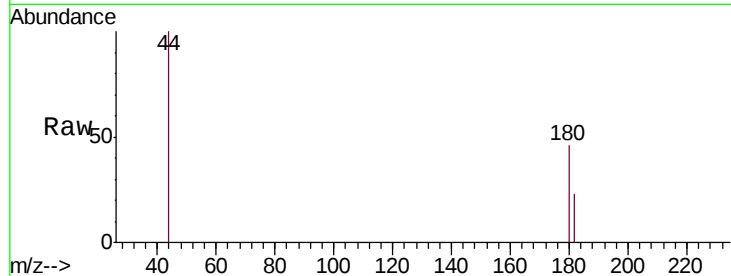




#93
 1,2,4-Trichlorobenzene
 Concen: 0.267 ug/l
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.01 min
 Lab File: VU027531.D
 Acq: 09 Oct 2018 19:12

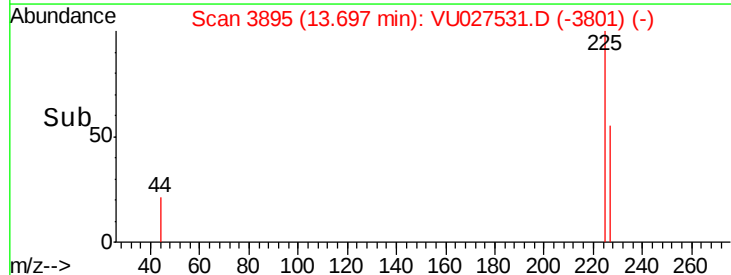
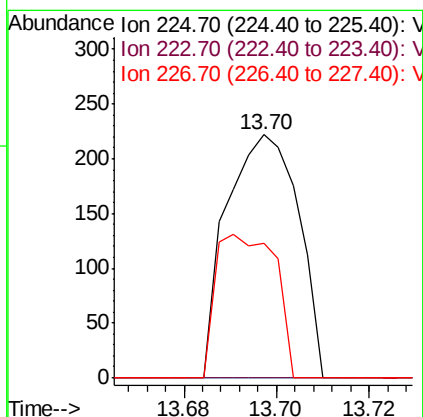
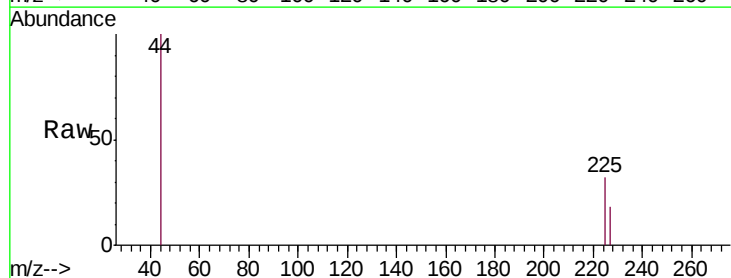
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-100418

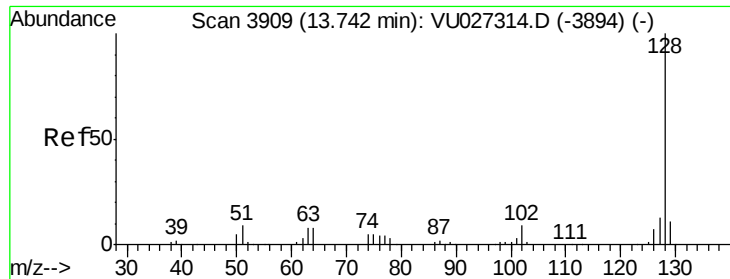
Tgt Ion:180 Resp: 361
 Ion Ratio Lower Upper
 180 100
 182 82.8 47.4 142.3
 145 0.0 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 0.350 ug/l
 RT: 13.70 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU027531.D
 Acq: 09 Oct 2018 19:12

Tgt Ion:225 Resp: 239
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.8 95.3#
 227 49.0 31.9 95.7

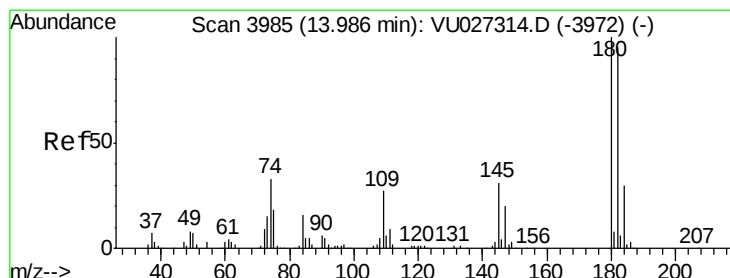
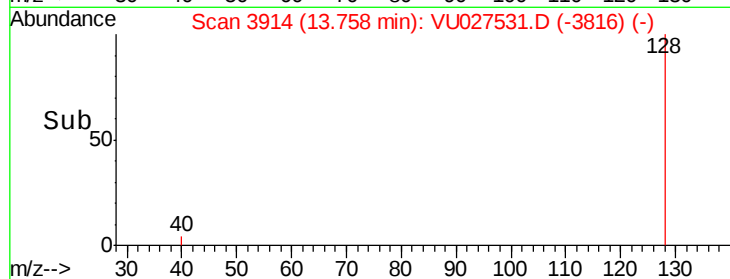
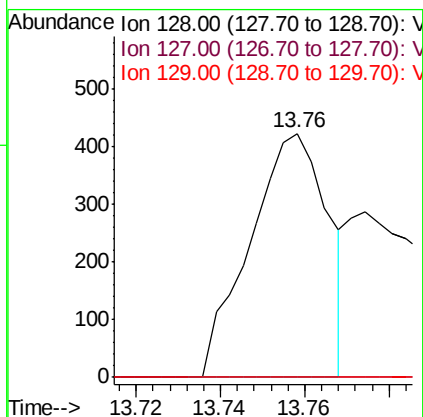
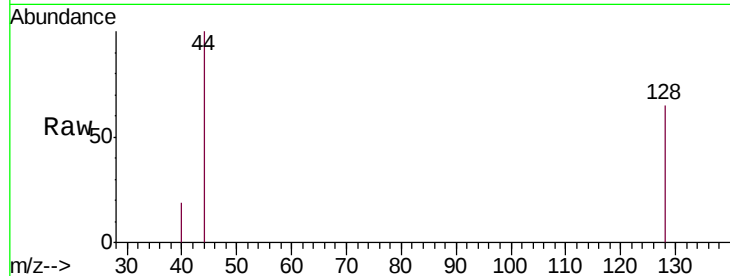




#95
Naphthalene
Concen: 1.763 ug/l
RT: 13.76 min Scan# 3914
Delta R.T. 0.02 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Instrument :
MSVOA_U
ClientSampleId :
TB-100418

Tgt Ion:128 Resp: 543
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.294 ug/l
RT: 14.00 min Scan# 3990
Delta R.T. 0.02 min
Lab File: VU027531.D
Acq: 09 Oct 2018 19:12

Tgt Ion:180 Resp: 414
Ion Ratio Lower Upper
180 100
182 74.9 47.4 142.2
145 0.0 15.9 47.7#

