

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027383.D
 Acq On : 04 Oct 2018 02:08
 Operator : MD/SY
 Sample : J5163-07DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 07:38:18 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	89503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157267	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77458	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	95252	63.73	ug/l	0.00
Spiked Amount			Recovery	=	127.46%	
35) Dibromofluoromethane	4.88	113	68351	63.42	ug/l	0.00
Spiked Amount			Recovery	=	126.84%	
50) Toluene-d8	7.57	98	246188	61.03	ug/l	0.00
Spiked Amount			Recovery	=	122.06%	
62) 4-Bromofluorobenzene	10.31	95	83649	55.80	ug/l	0.00
Spiked Amount			Recovery	=	111.60%	

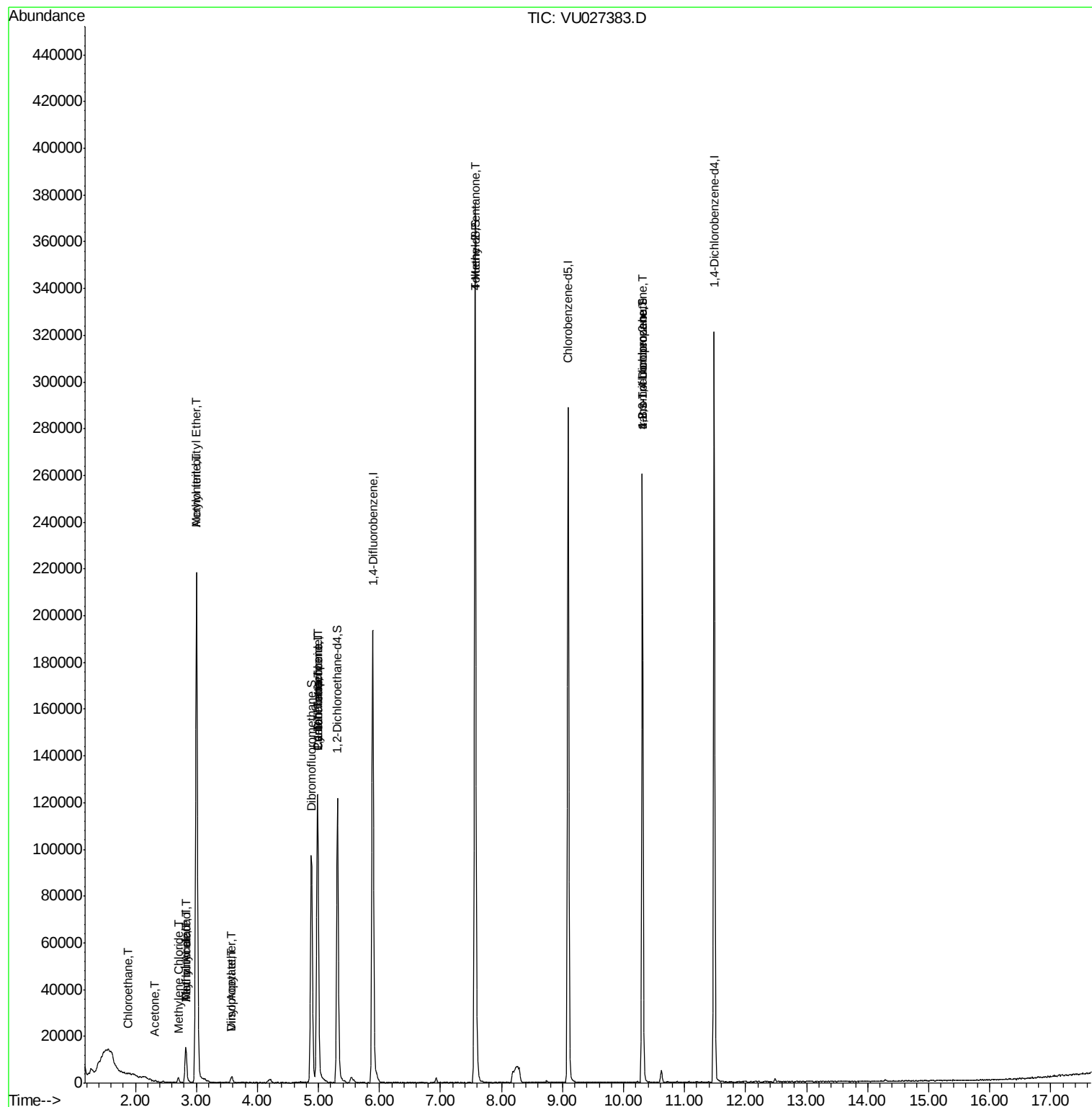
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.88	64	515	0.522	ug/l	95
11) Tert butyl alcohol	2.83	59	17452	55.451	ug/l #	72
14) Allyl chloride	2.83	41	4602	2.050	ug/l #	61
15) Acrylonitrile	3.00	53	2846	3.474	ug/l #	31
16) Acetone	2.32	43	738	0.836	ug/l #	84
18) Methyl Acetate	2.82	43	2864	1.422	ug/l #	56
19) Methyl tert-butyl Ether	3.00	73	215611	56.917	ug/l	100
20) Methylene Chloride	2.70	84	927	0.754	ug/l #	87
22) Diisopropyl ether	3.57	45	2771	0.607	ug/l #	85
23) Vinyl Acetate	3.58	43	1682	0.422	ug/l #	76
31) Cyclohexane	4.99	56	2234	0.697	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8208	4.807	ug/l #	50
38) Carbon Tetrachloride	4.99	117	8915	5.780	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1147	0.515	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	45286	22.554	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	45286	59.026	ug/l #	100

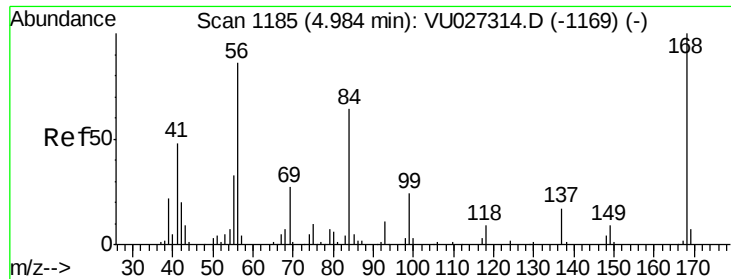
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027383.D

Acq: 04 Oct 2018 02:08

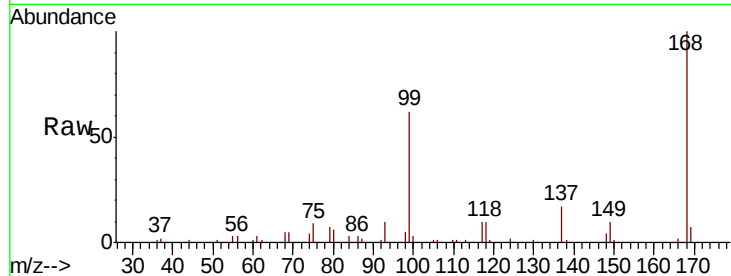
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 89503

Ion Ratio Lower Upper

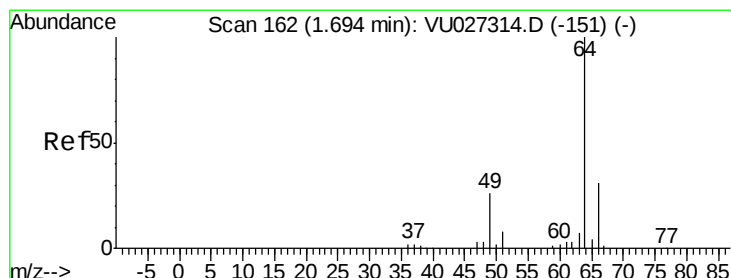
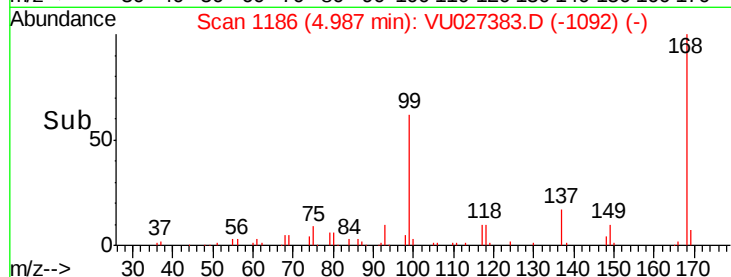
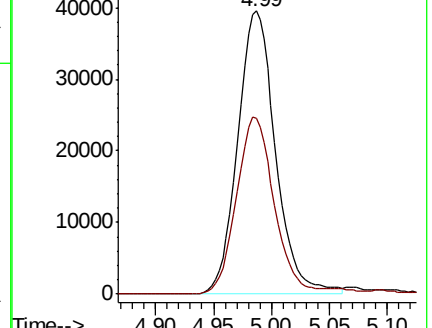
168 100

99 62.2 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: 0.522 ug/l

RT: 1.88 min Scan# 221

Delta R.T. 0.19 min

Lab File: VU027383.D

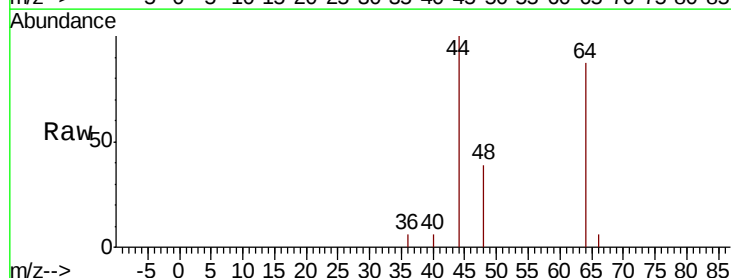
Acq: 04 Oct 2018 02:08

Tgt Ion: 64 Resp: 515

Ion Ratio Lower Upper

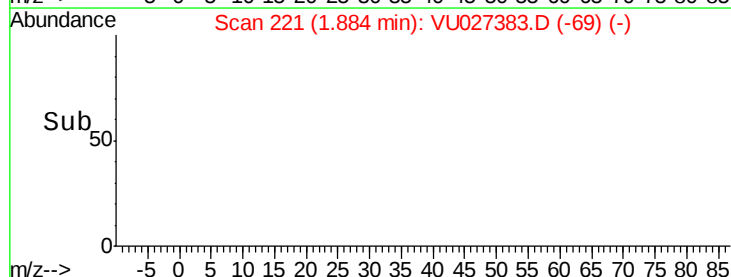
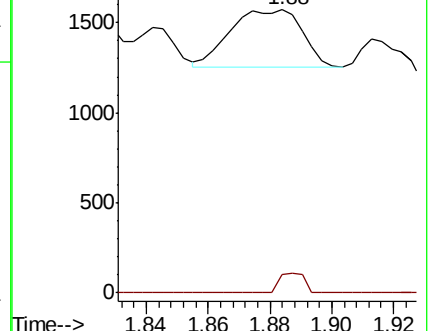
64 100

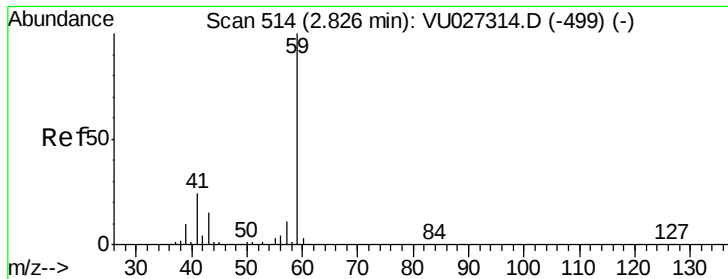
66 33.2 24.6 36.8



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

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



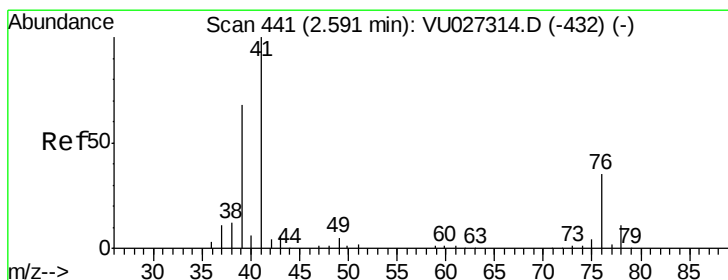
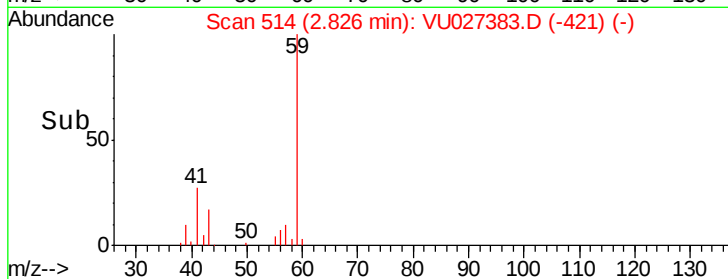
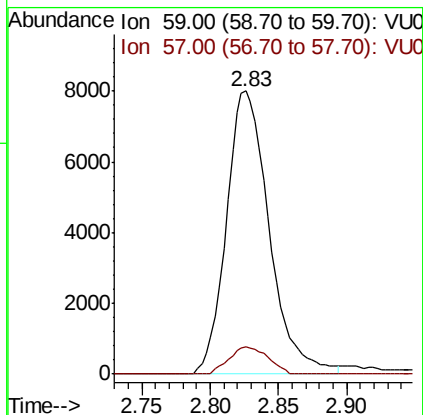
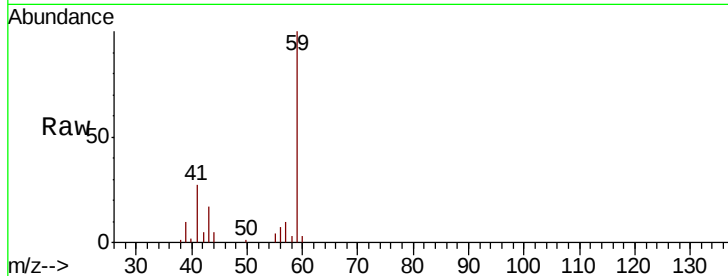


#11

Tert butyl alcohol
 Concen: 55.451 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027383.D
 Acq: 04 Oct 2018 02:08

Instrument :
 MSVOA_U
 ClientSampleId :

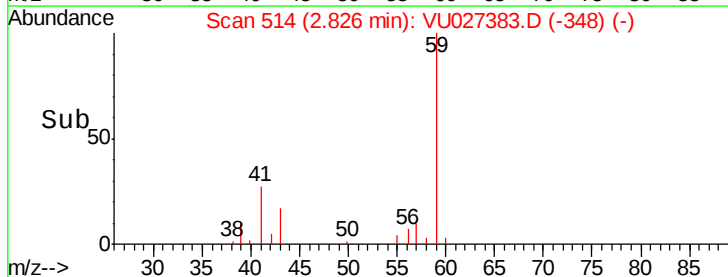
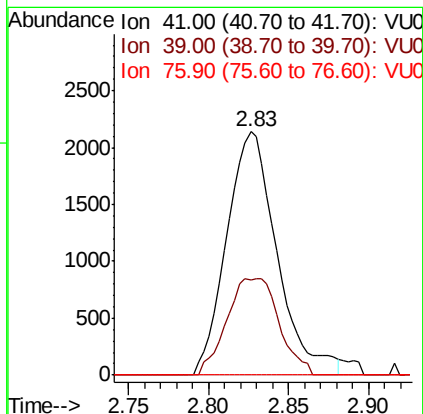
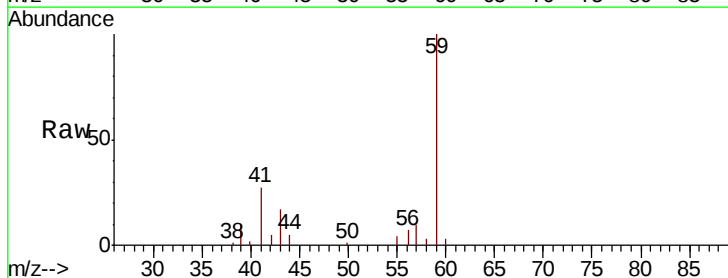
Tot Ion: 59 Resp: 17452
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

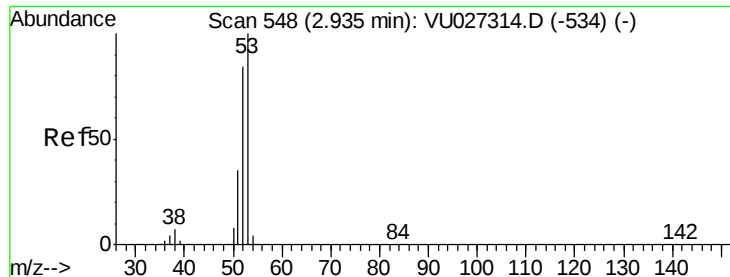


#14

Allyl chloride
 Concen: 2.050 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.23 min
 Lab File: VU027383.D
 Acq: 04 Oct 2018 02:08

Tgt Ion: 41 Resp: 4602
 Ion Ratio Lower Upper
 41 100
 39 41.1 51.8 77.8#
 76 0.0 25.9 38.9#





#15

Acrylonitrile

Concen: 3.474 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.07 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

Instrument :

MSVOA_U

ClientSampleId :

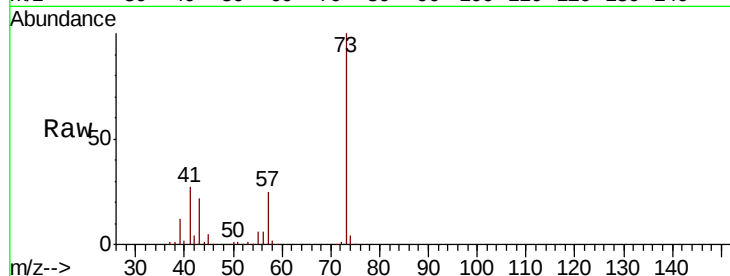
Tot Ion: 53 Resp: 2846

Ion Ratio Lower Upper

53 100

52 19.0 66.5 99.7#

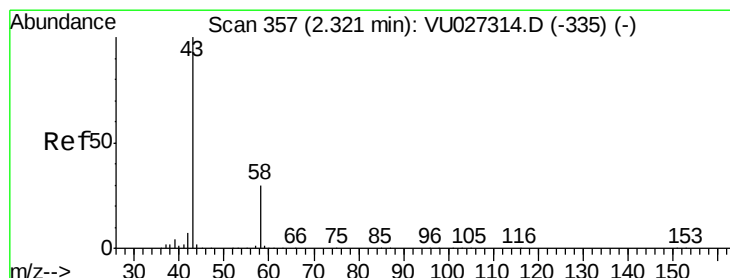
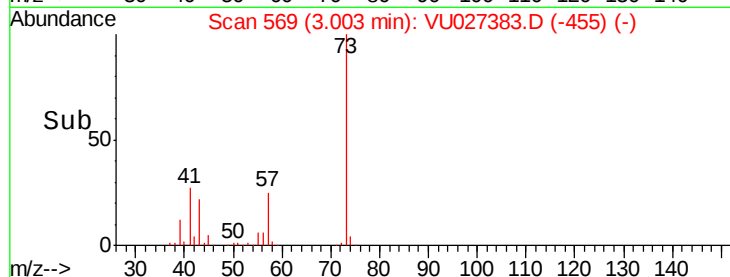
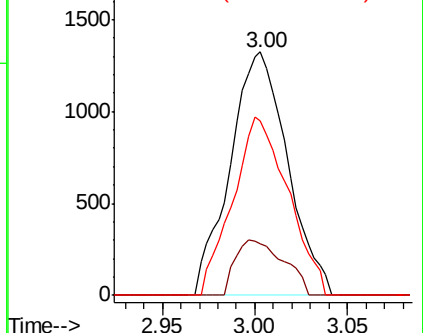
51 70.4 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 0.836 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027383.D

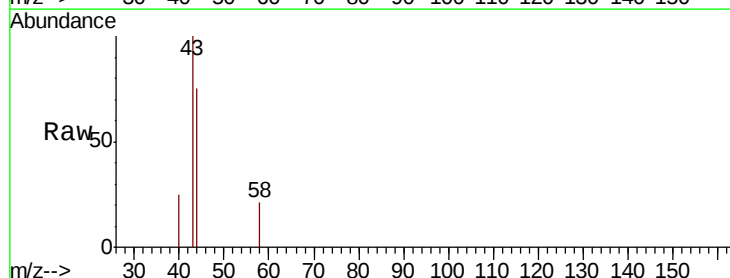
Acq: 04 Oct 2018 02:08

Tgt Ion: 43 Resp: 738

Ion Ratio Lower Upper

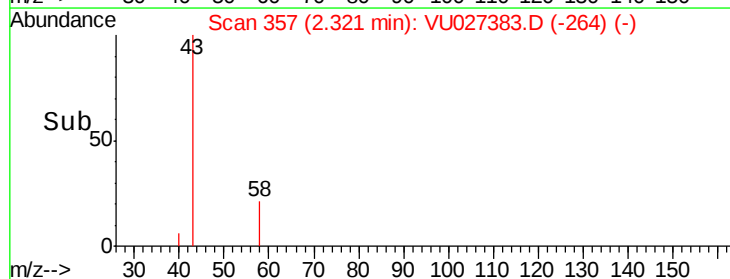
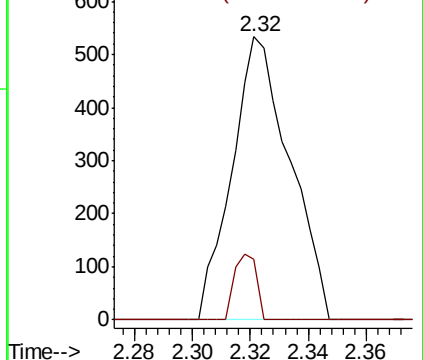
43 100

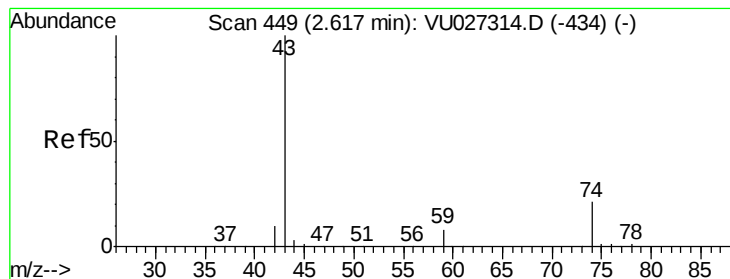
58 21.4 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#18

Methyl Acetate

Concen: 1.422 ug/l

RT: 2.82 min Scan# 513

Delta R.T. 0.21 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

Instrument :

MSVOA_U

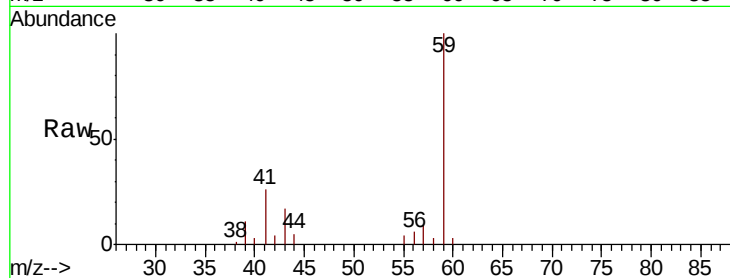
ClientSampled :

Tot Ion: 43 Resp: 2864

Ion Ratio Lower Upper

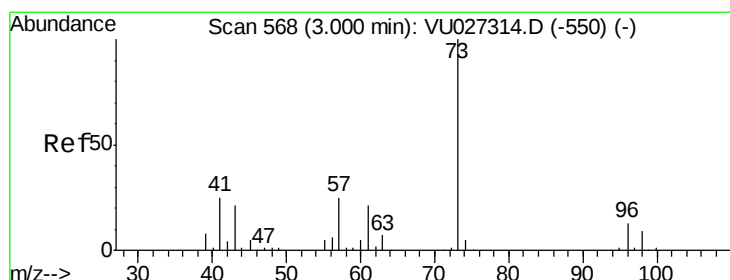
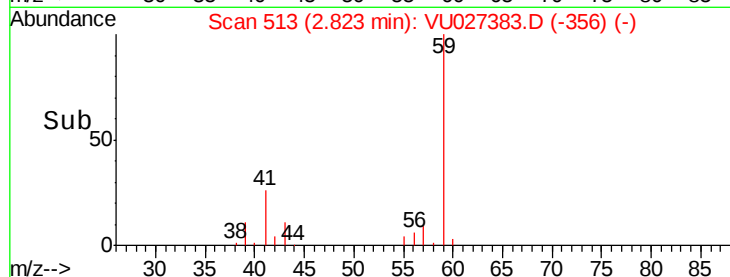
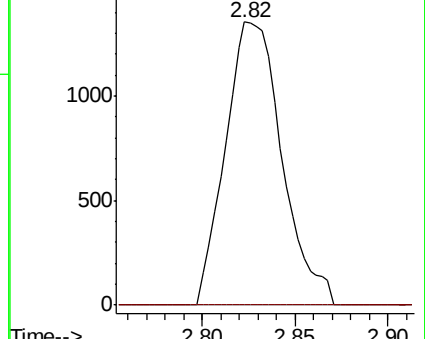
43 100

74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#19

Methyl tert-butyl Ether

Concen: 56.917 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027383.D

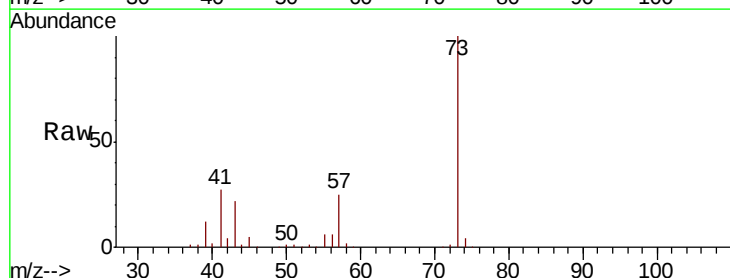
Acq: 04 Oct 2018 02:08

Tgt Ion: 73 Resp: 215611

Ion Ratio Lower Upper

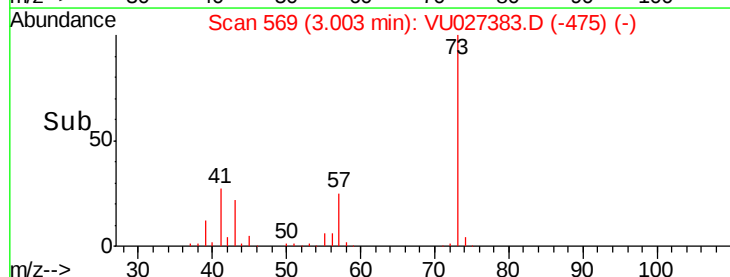
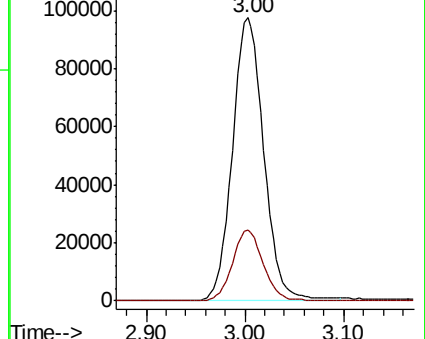
73 100

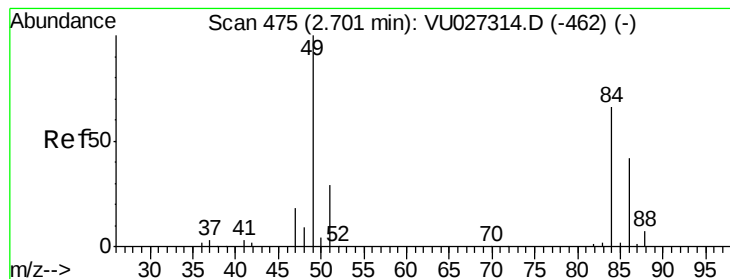
57 24.9 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#20

Methylene Chloride

Concen: 0.754 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 84 Resp: 927

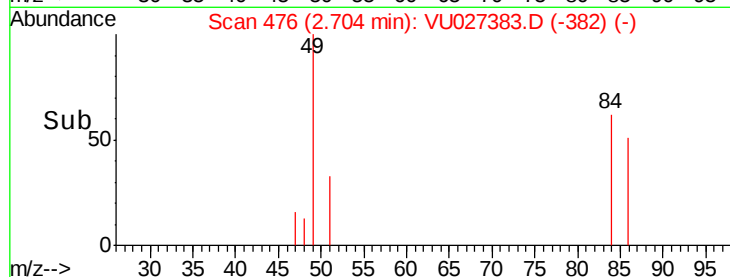
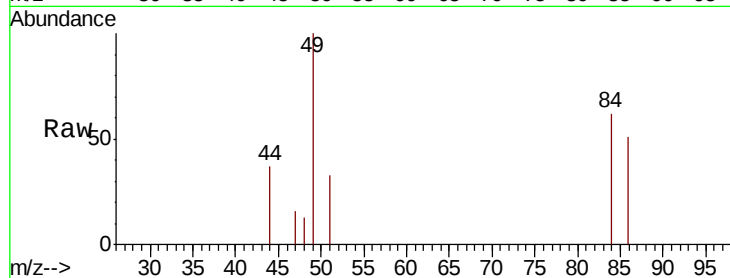
Ion Ratio Lower Upper

84 100

49 160.8 120.5 180.7

51 53.0 35.1 52.7#

86 81.5 50.5 75.7#



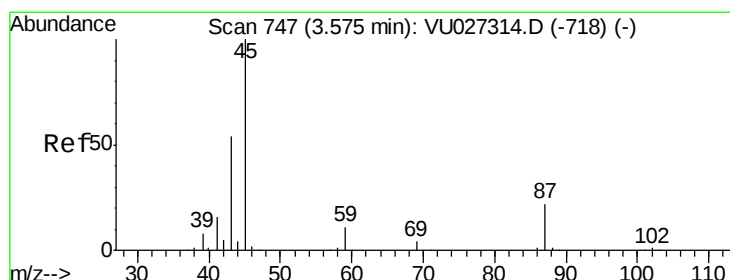
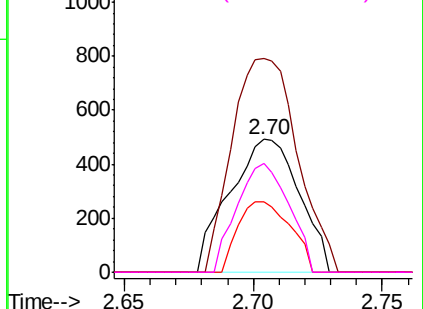
Abundance

Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#22

Diisopropyl ether

Concen: 0.607 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

Tgt Ion: 45 Resp: 2771

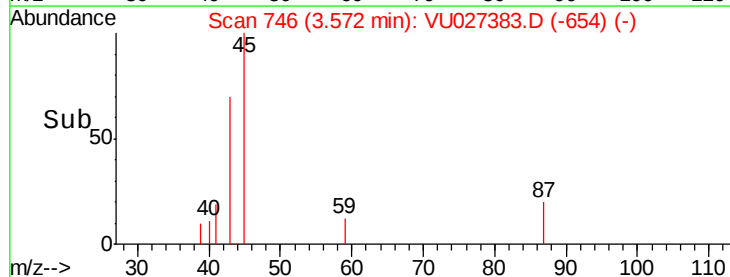
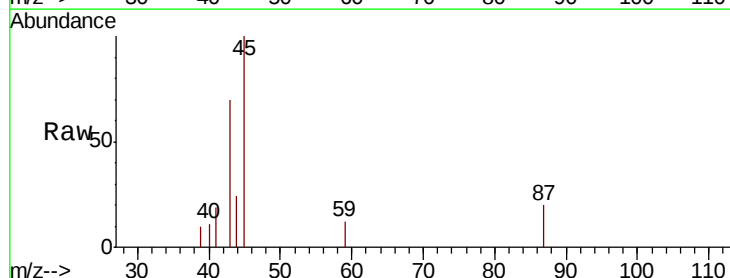
Ion Ratio Lower Upper

45 100

43 70.1 43.4 65.2#

87 20.3 17.5 26.3

59 11.8 8.6 13.0



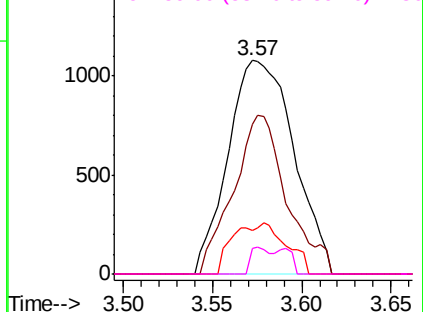
Abundance

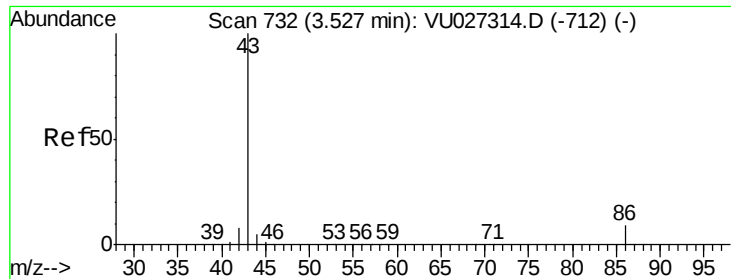
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 0.422 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.05 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

Instrument :

MSVOA_U

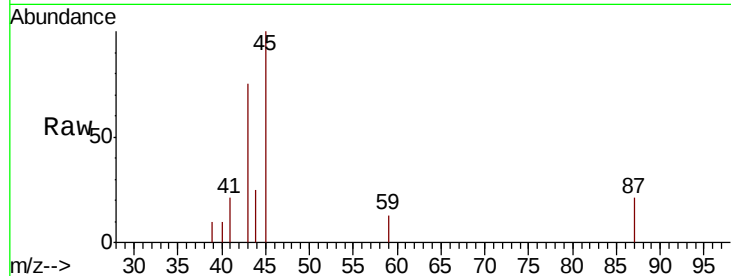
ClientSampleId :

Tot Ion: 43 Resp: 1682

Ion Ratio Lower Upper

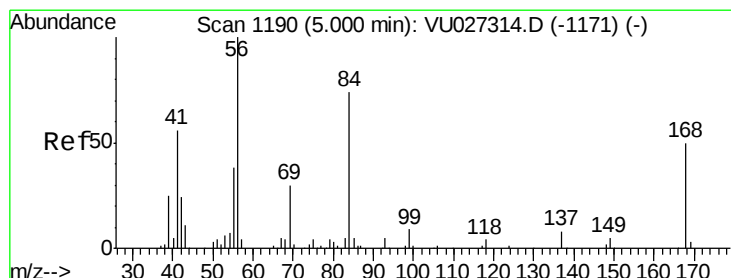
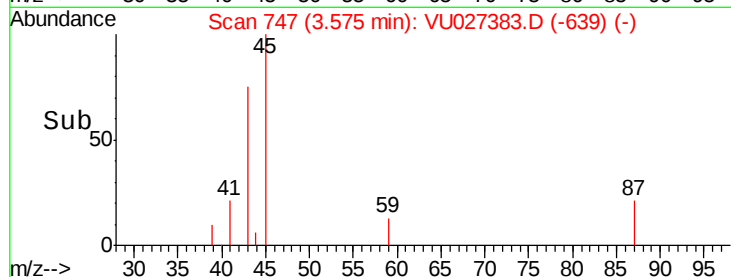
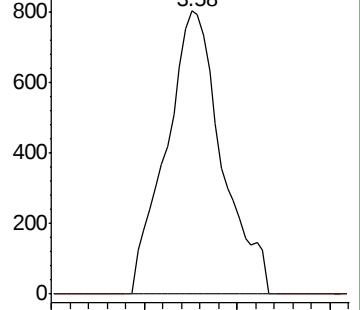
43 100

86 0.0 7.0 10.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#31

Cyclohexane

Concen: 0.697 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

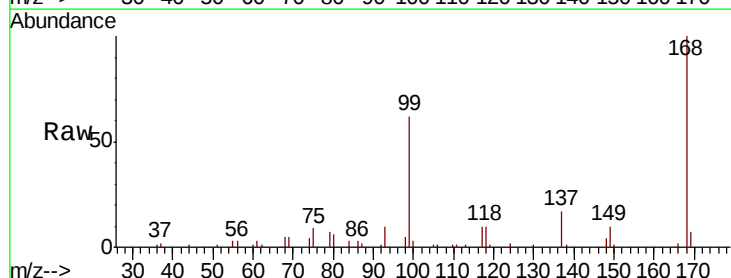
Tgt Ion: 56 Resp: 2234

Ion Ratio Lower Upper

56 100

69 154.5 24.1 36.1#

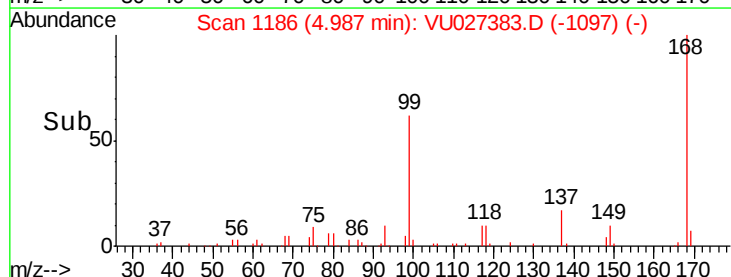
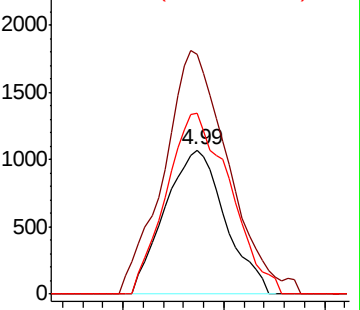
84 126.0 59.1 88.7#

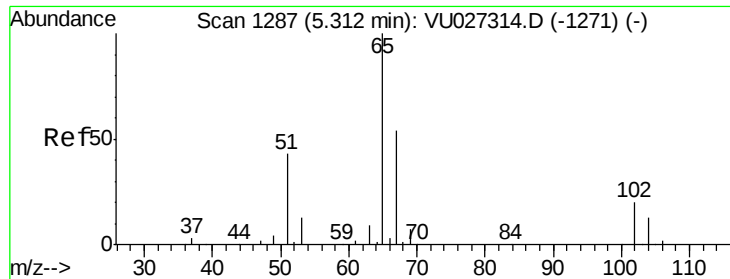


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

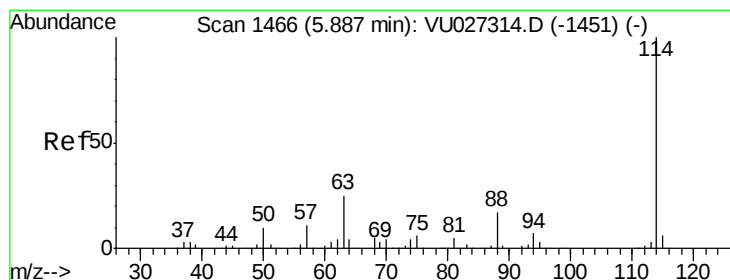
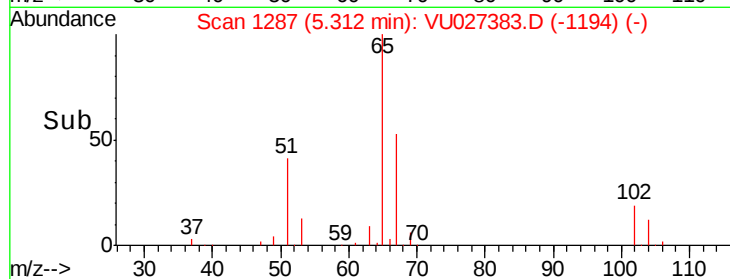
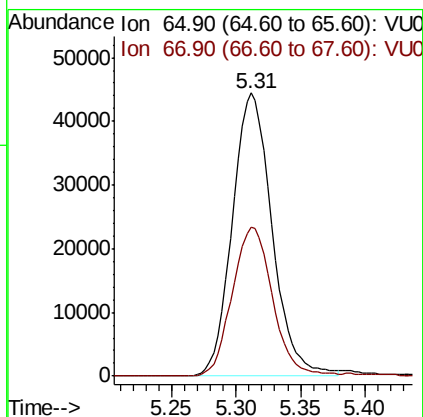
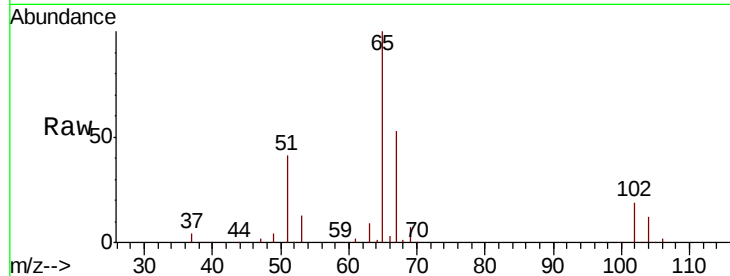




#33
 1,2-Dichloroethane-d4
 Concen: 63.733 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027383.D
 Acq: 04 Oct 2018 02:08

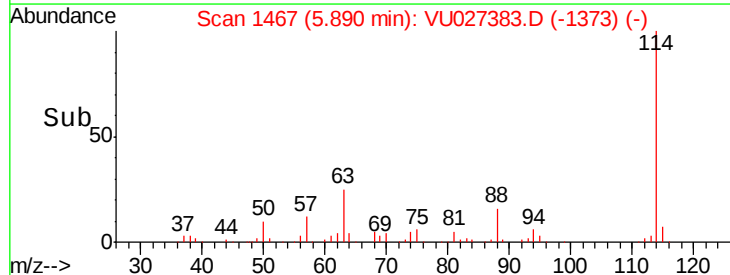
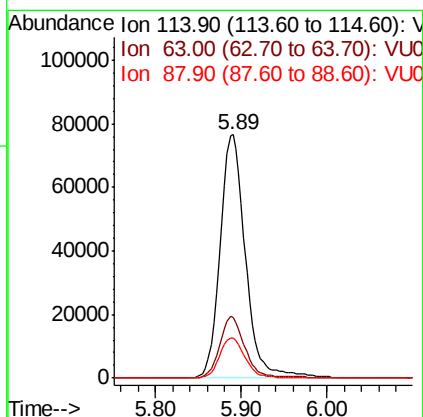
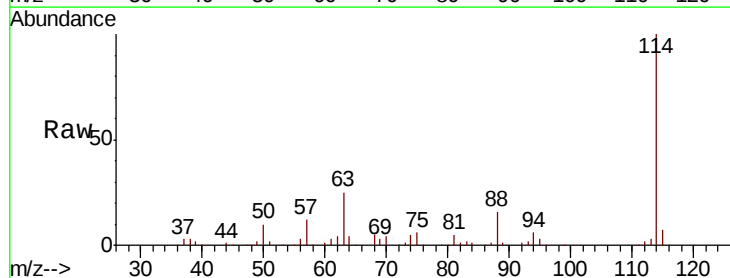
Instrument :
 MSVOA_U
 ClientSampleId :

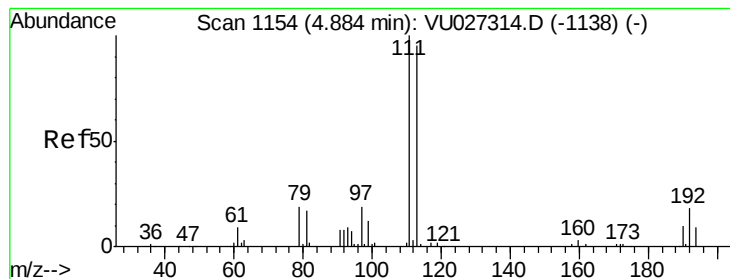
Tot Ion: 65 Resp: 95252
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027383.D
 Acq: 04 Oct 2018 02:08

Tgt Ion: 114 Resp: 157267
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.2
 88 16.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 63.417 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

Instrument :
MSVOA_U
ClientSampleId :

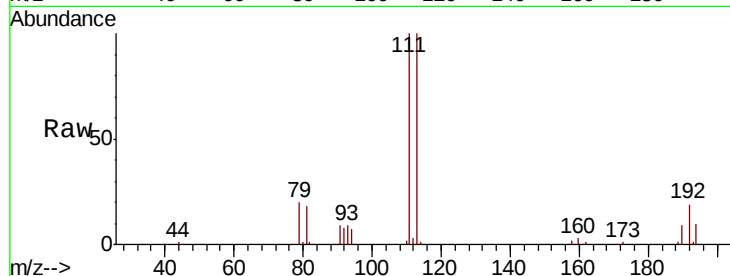
Tot Ion:113 Resp: 68351

Ion Ratio Lower Upper

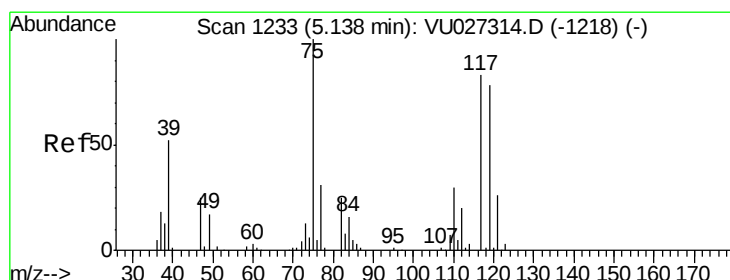
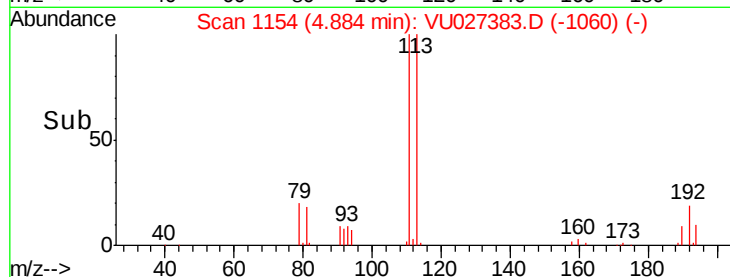
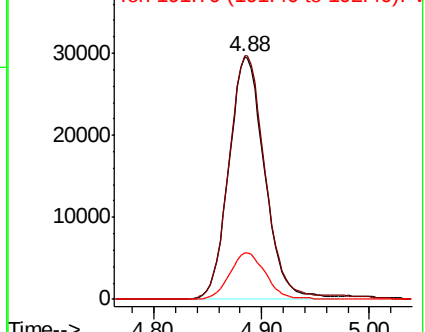
113 100

111 102.3 83.1 124.7

192 19.1 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: 4.807 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

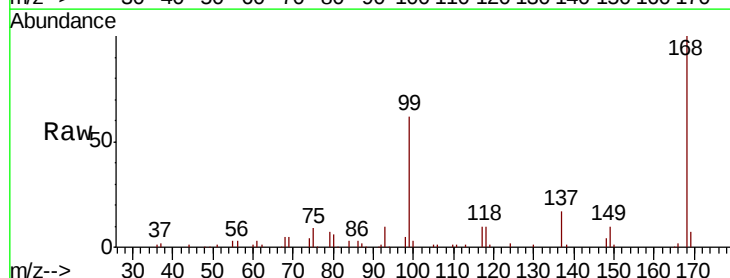
Tgt Ion: 75 Resp: 8208

Ion Ratio Lower Upper

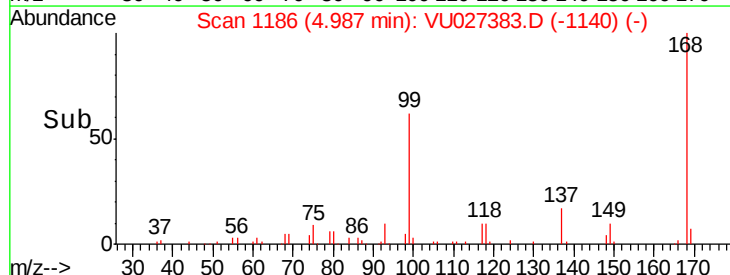
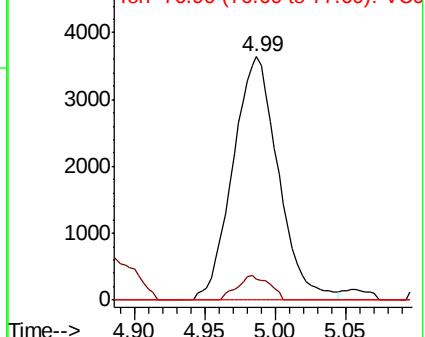
75 100

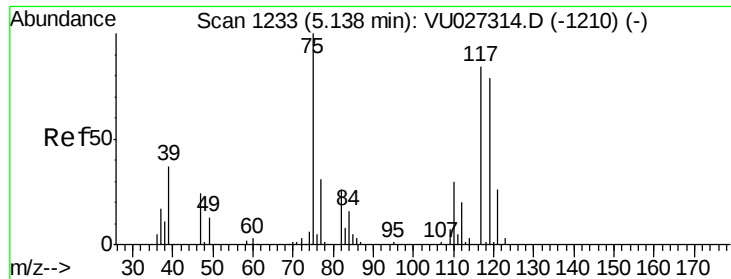
110 7.2 15.5 46.5#

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: 5.780 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

Instrument :

MSVOA_U

ClientSampleId :

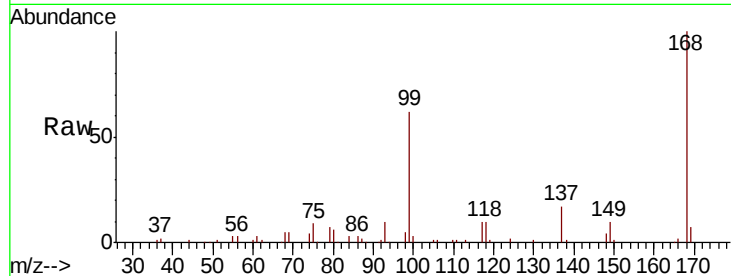
Tot Ion:117 Resp: 8915

Ion Ratio Lower Upper

117 100

119 5.9 74.5 111.7#

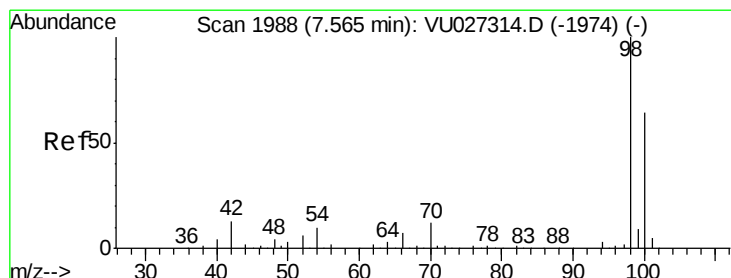
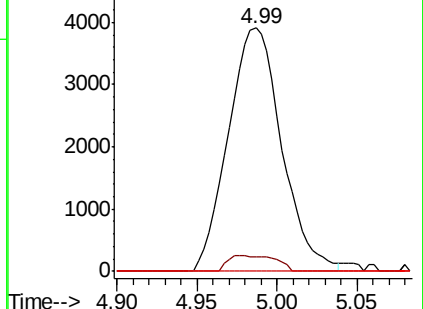
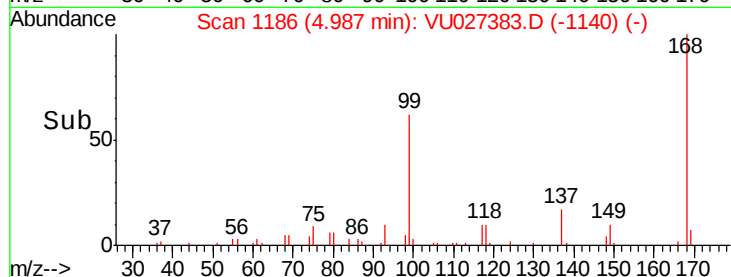
121 0.0 24.6 37.0#



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: 61.030 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027383.D

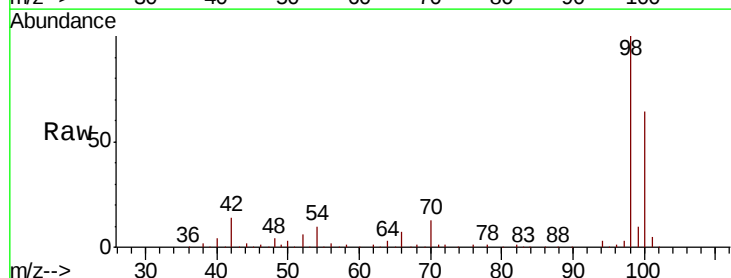
Acq: 04 Oct 2018 02:08

Tgt Ion: 98 Resp: 246188

Ion Ratio Lower Upper

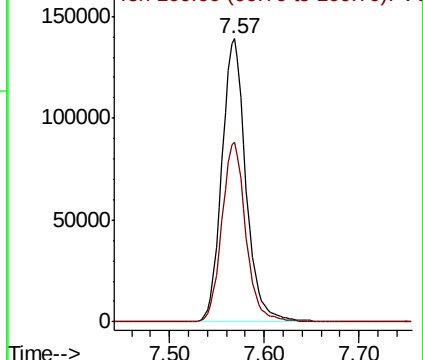
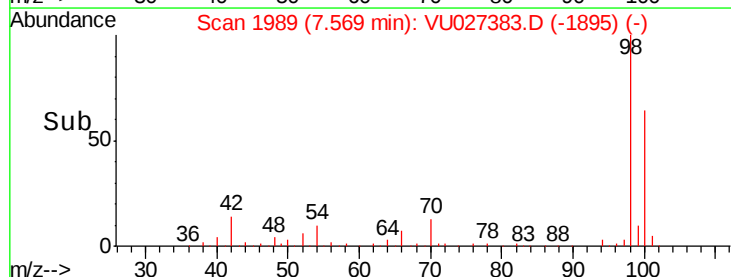
98 100

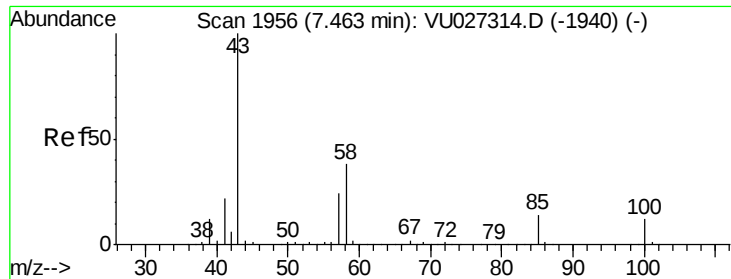
100 63.1 52.1 78.1



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: 0.515 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

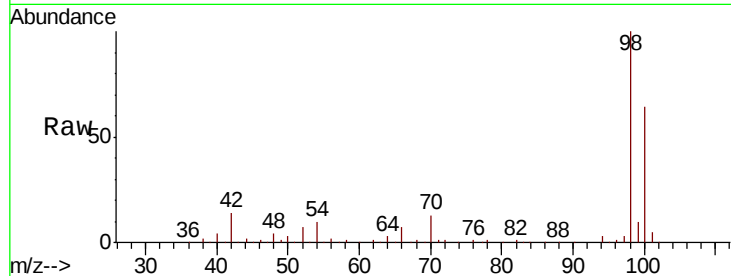
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1147

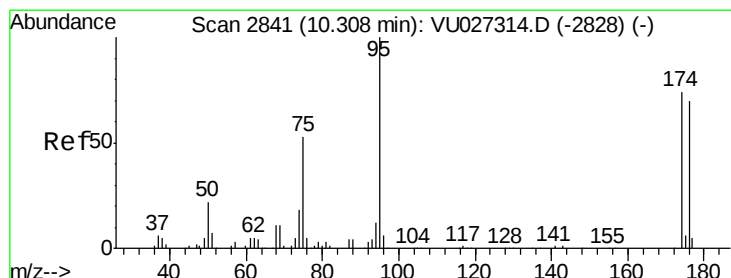
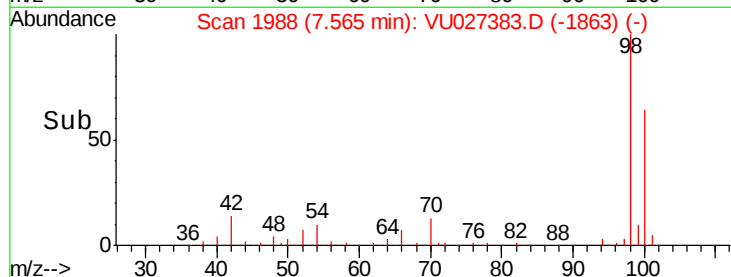
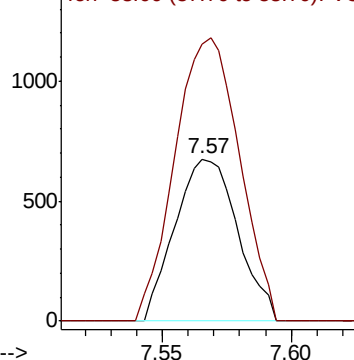
Ion Ratio Lower Upper

43 100

58 179.7 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 55.798 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

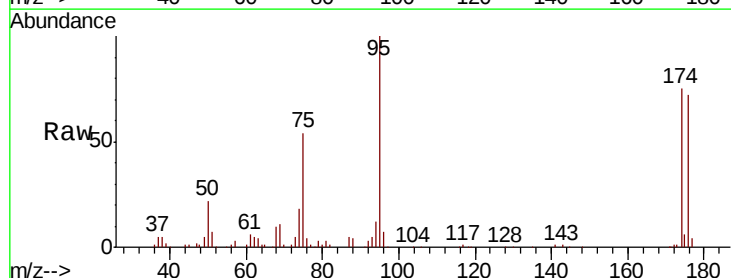
Tgt Ion: 95 Resp: 83649

Ion Ratio Lower Upper

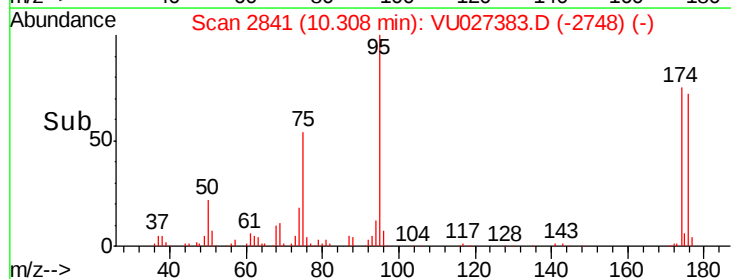
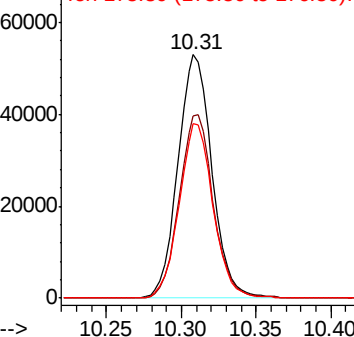
95 100

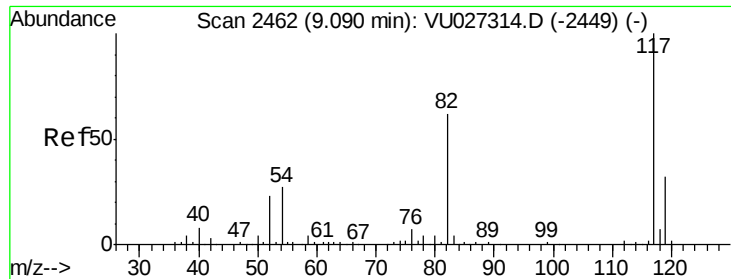
174 75.9 0.0 147.8

176 71.9 0.0 140.8



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

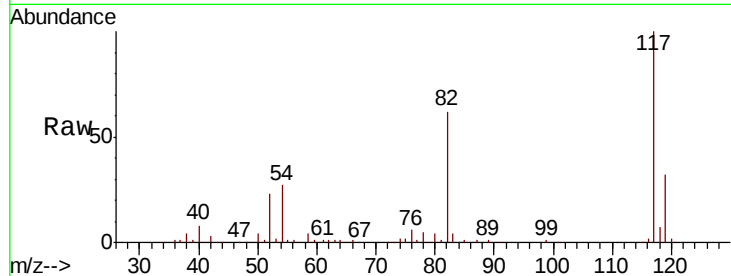




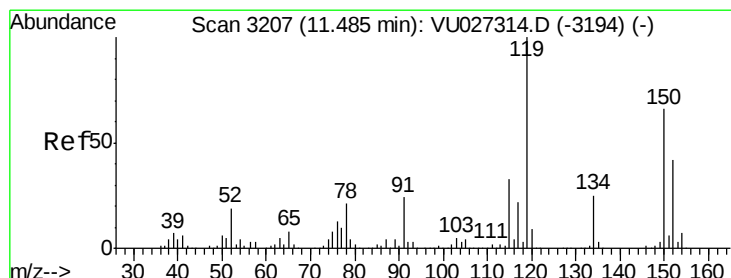
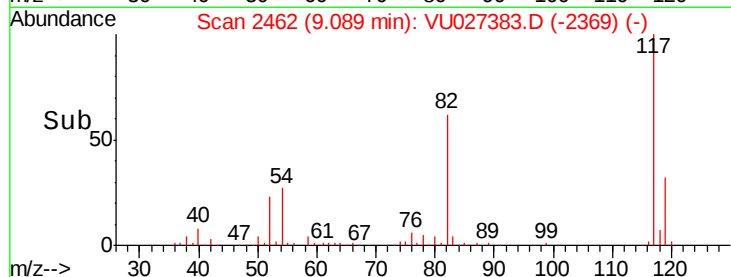
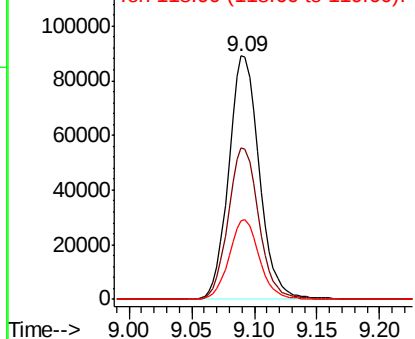
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027383.D
Acq: 04 Oct 2018 02:08

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 150751
Ion Ratio Lower Upper
117 100
82 62.0 49.2 73.8
119 32.3 25.7 38.5

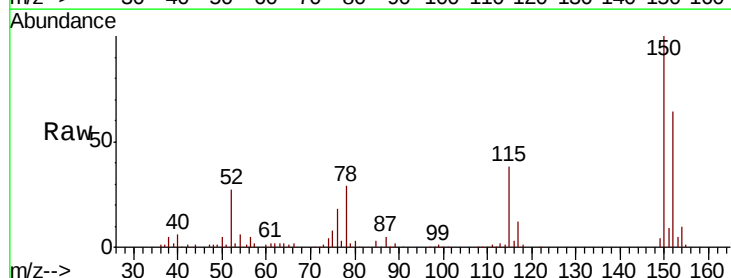


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

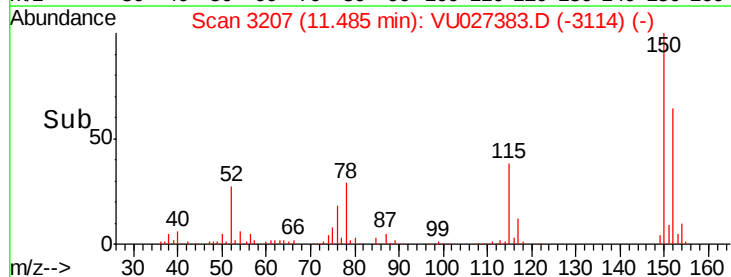
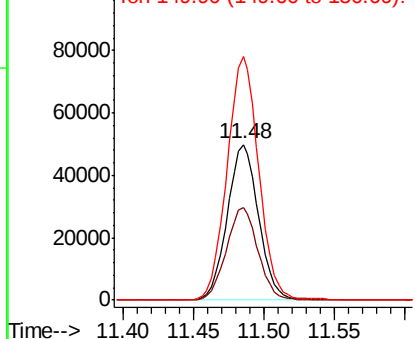


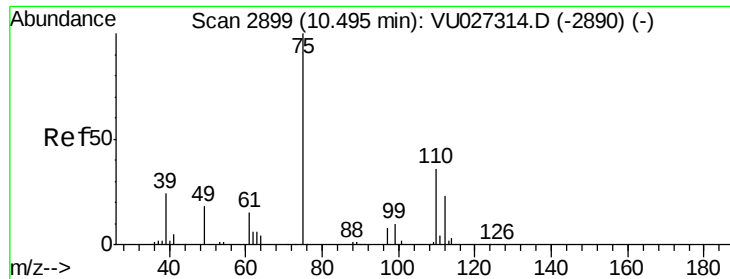
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027383.D
Acq: 04 Oct 2018 02:08

Tgt Ion:152 Resp: 77458
Ion Ratio Lower Upper
152 100
115 60.1 43.4 130.2
150 158.0 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: 22.554 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

Instrument :

MSVOA_U

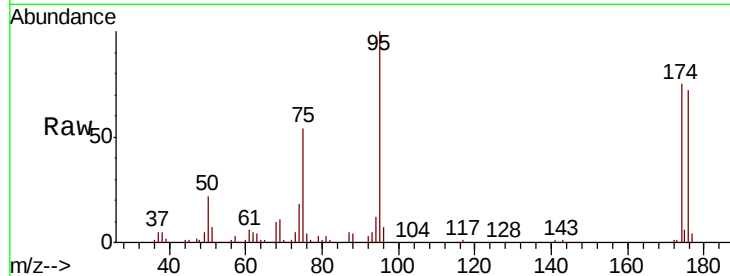
ClientSampleId :

Tot Ion: 75 Resp: 45286

Ion Ratio Lower Upper

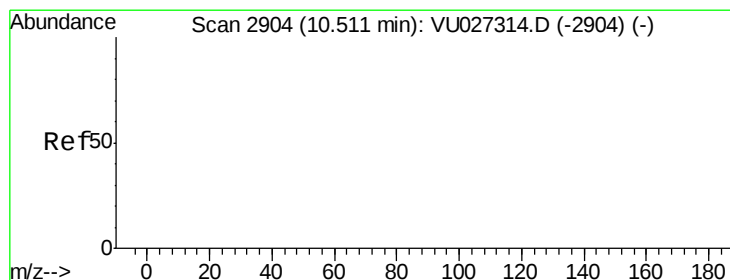
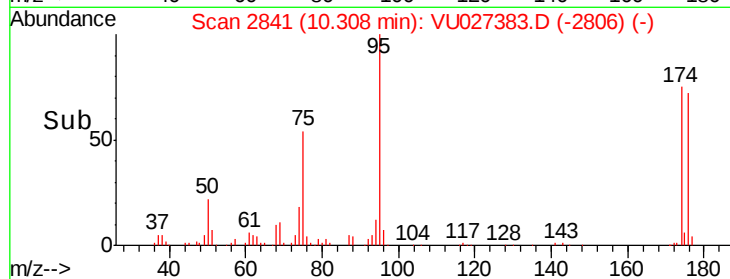
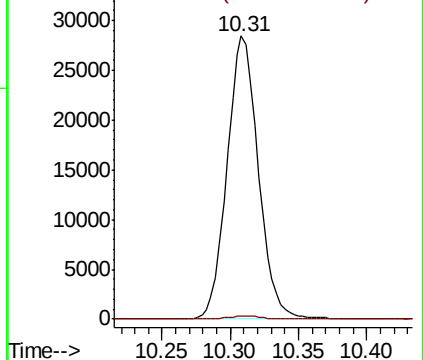
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 59.026 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027383.D

Acq: 04 Oct 2018 02:08

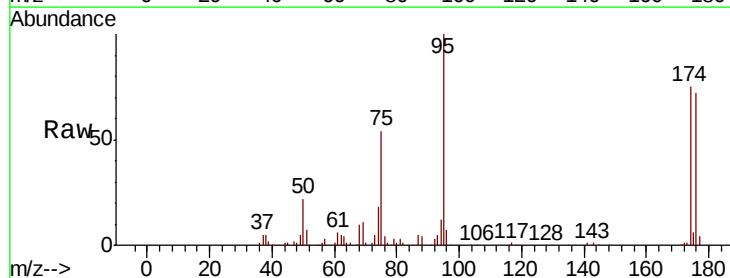
Tgt Ion: 75 Resp: 45286

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

