

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028370.D
 Acq On : 28 Nov 2018 16:56
 Operator : MD/SY
 Sample : J6081-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0640

Quant Time: Nov 29 06:17:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	246898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	462293	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	412079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	162281	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	220102	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
35) Dibromofluoromethane	4.88	113	155288	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	7.57	98	609666	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.31	95	200133	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

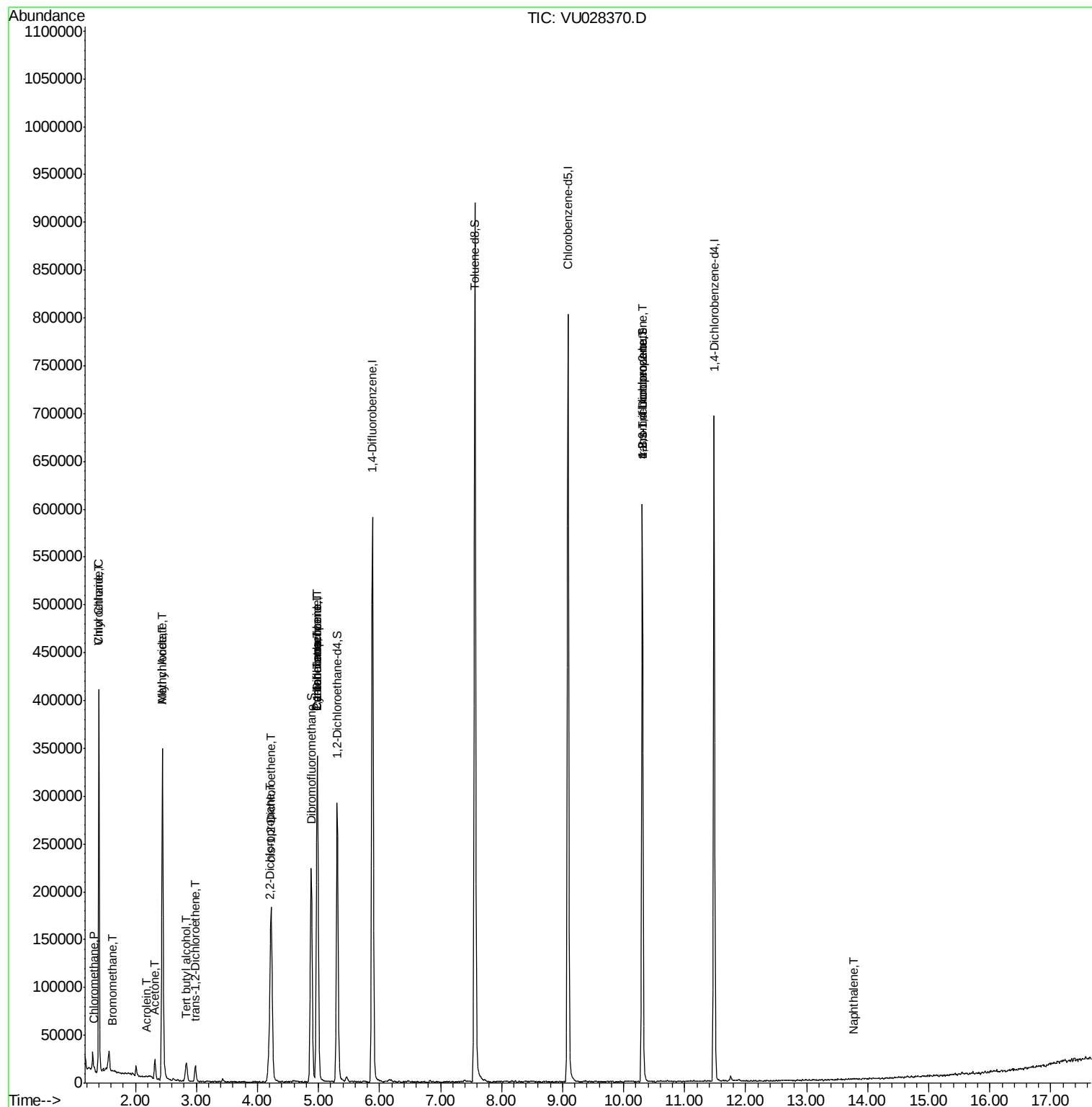
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	4237	0.660	ug/l #	81
4) Vinyl Chloride	1.40	62	249600	55.569	ug/l	100
5) Bromomethane	1.62	94	512	0.295	ug/l #	65
6) Chloroethane	1.40	64	73157	28.304	ug/l #	45
11) Tert butyl alcohol	2.84	59	14935	15.932	ug/l #	74
13) Acrolein	2.20	56	230	0.276	ug/l #	1
14) Allyl chloride	2.44	41	31626	4.589	ug/l #	71
16) Acetone	2.32	43	23516	9.316	ug/l	98
18) Methyl Acetate	2.44	43	77024	10.960	ug/l #	58
21) trans-1,2-Dichloroethene	2.98	96	5619	1.837	ug/l	94
26) 2,2-Dichloropropane	4.20	77	2398	0.451	ug/l #	55
27) cis-1,2-Dichloroethene	4.22	96	91819	25.381	ug/l	88
31) Cyclohexane	4.98	56	6594	0.579	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	22927	4.532	ug/l #	50
38) Carbon Tetrachloride	4.98	117	24779	5.965	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	109077	24.238	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.31	75	109077	64.340	ug/l #	100
95) Naphthalene	13.76	128	997	2.904	ug/l #	80

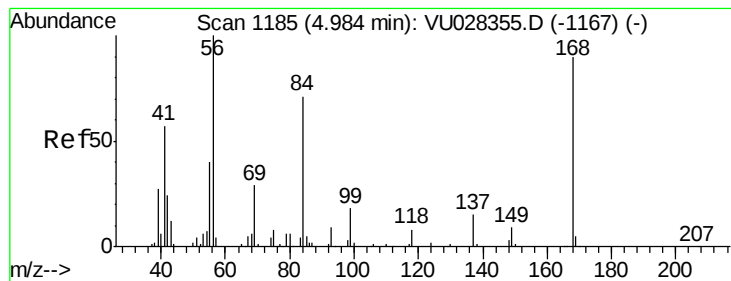
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

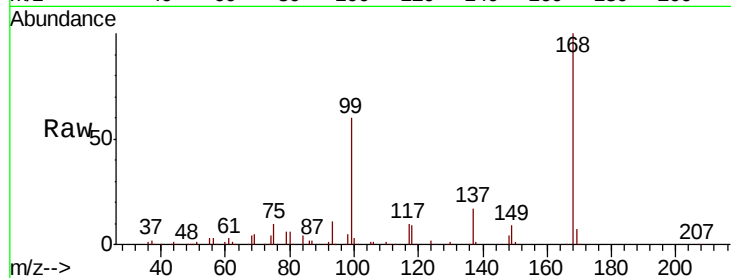
Instrument :
MSVOA_U
ClientSampleId :
S32-0640

Tot Ion:168 Resp: 246898

Ion Ratio Lower Upper

168 100

99 60.4 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028370.D (-1092) (-)

4.98

120000

100000

80000

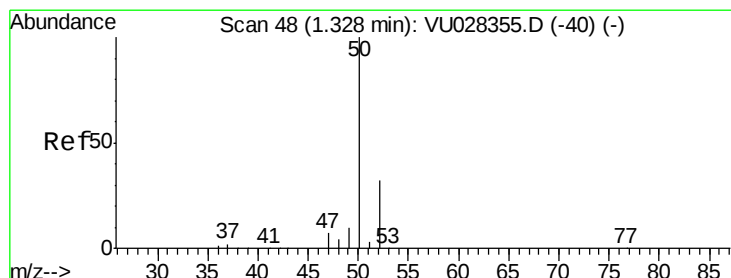
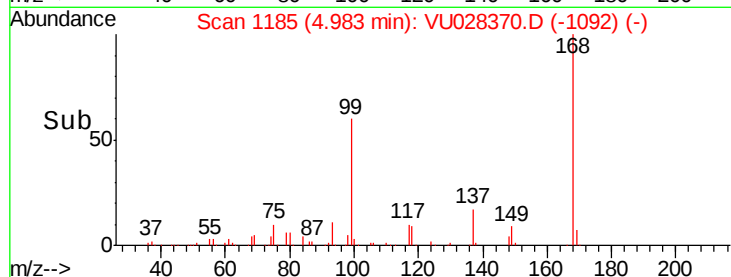
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.660 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028370.D

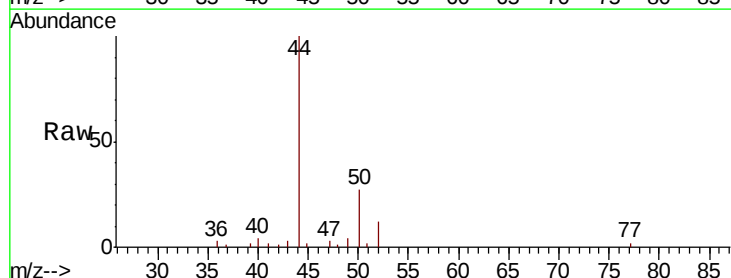
Acq: 28 Nov 2018 16:56

Tgt Ion: 50 Resp: 4237

Ion Ratio Lower Upper

50 100

52 42.5 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VU028355.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028370.D (-1) (-)

1.33

3000

2500

2000

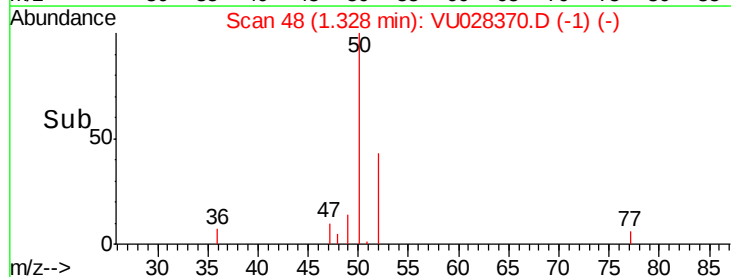
1500

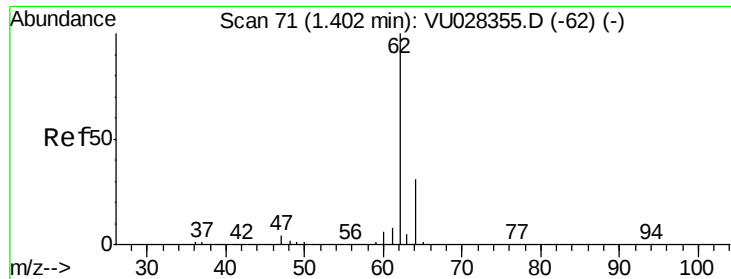
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 55.569 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

Instrument :

MSVOA_U

ClientSampled :

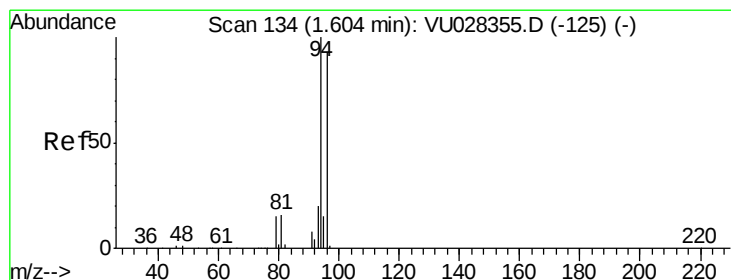
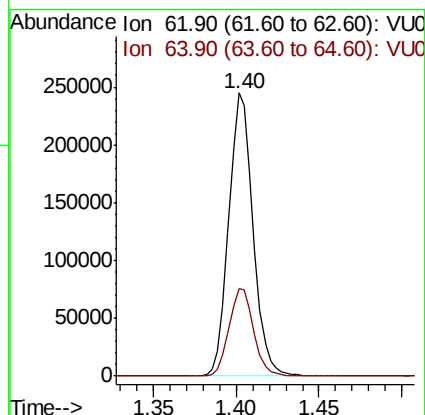
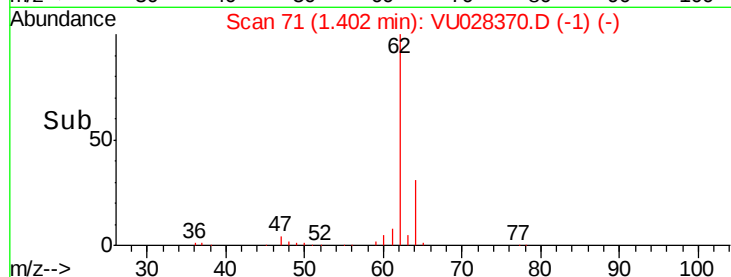
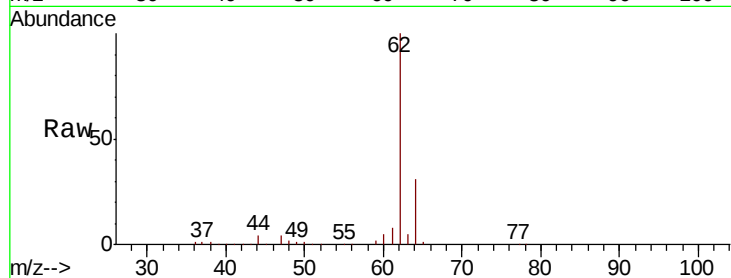
S32-0640

Tot Ion: 62 Resp: 249600

Ion Ratio Lower Upper

62 100

64 31.1 25.0 37.4



#5

Bromomethane

Concen: 0.295 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU028370.D

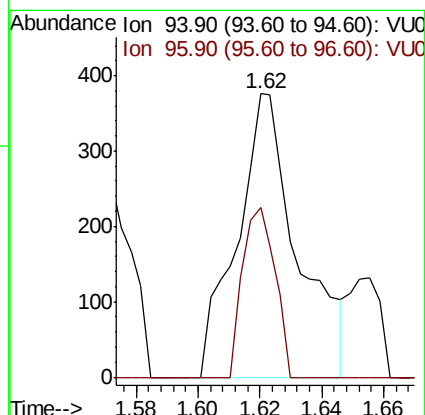
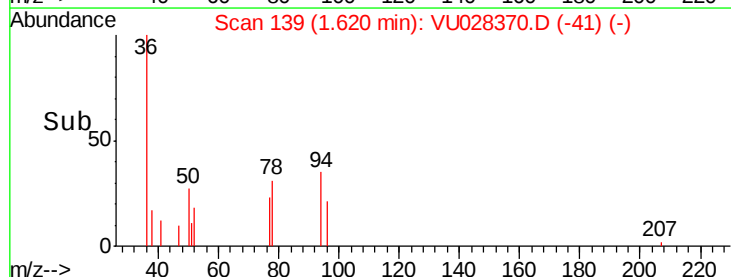
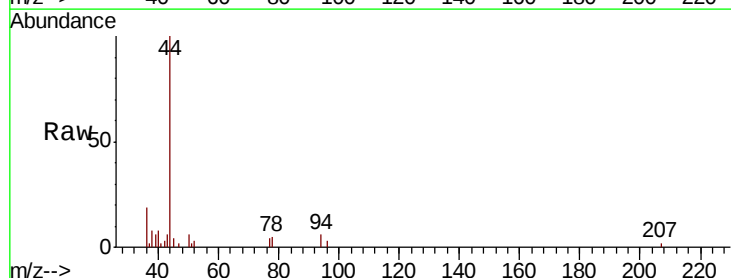
Acq: 28 Nov 2018 16:56

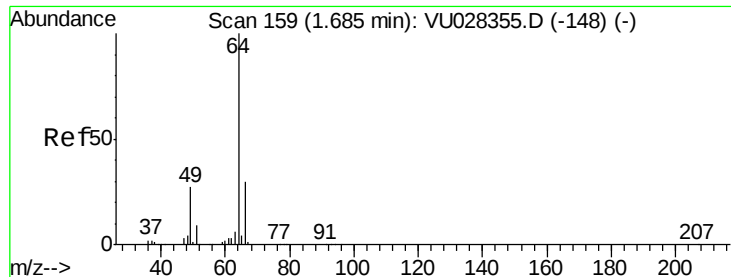
Tgt Ion: 94 Resp: 512

Ion Ratio Lower Upper

94 100

96 59.8 74.6 112.0#





#6

Chloroethane

Concen: 28.304 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.28 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

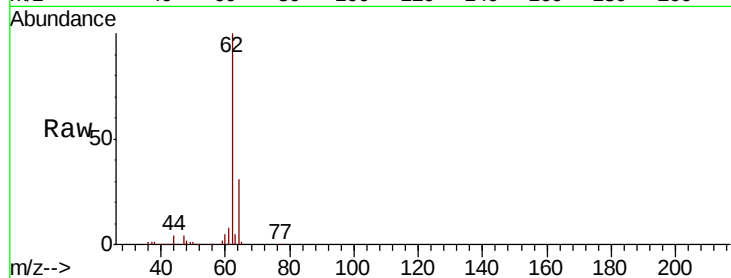
S32-0640

Tot Ion: 64 Resp: 73157

Ion Ratio Lower Upper

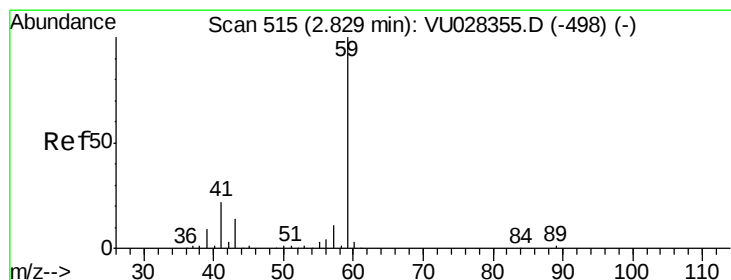
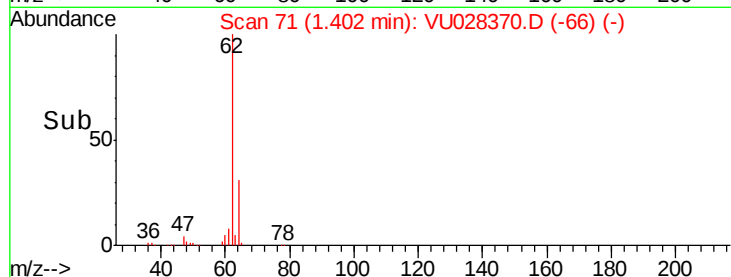
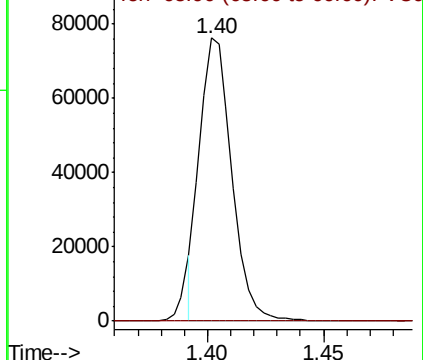
64 100

66 0.0 23.6 35.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#11

Tert butyl alcohol

Concen: 15.932 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028370.D

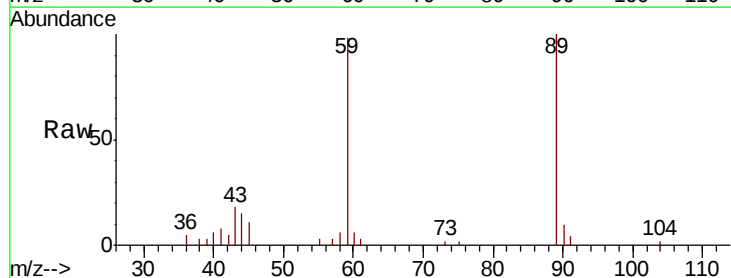
Acq: 28 Nov 2018 16:56

Tgt Ion: 59 Resp: 14935

Ion Ratio Lower Upper

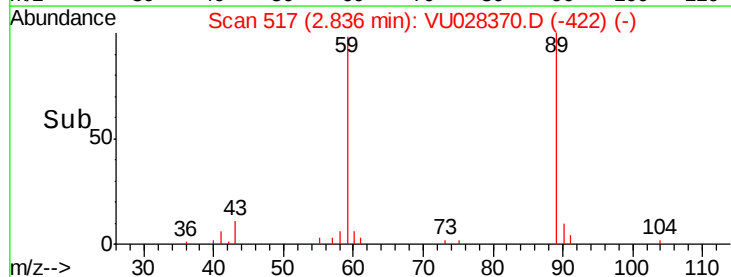
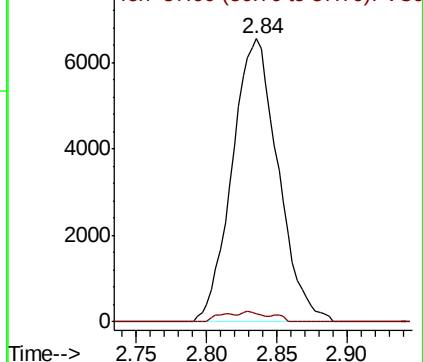
59 100

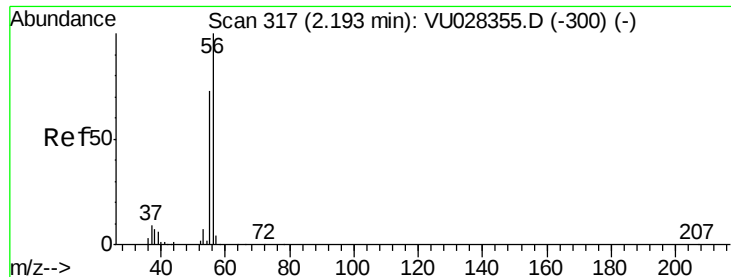
57 0.8 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.276 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

Instrument :

MSVOA_U

ClientSampled :

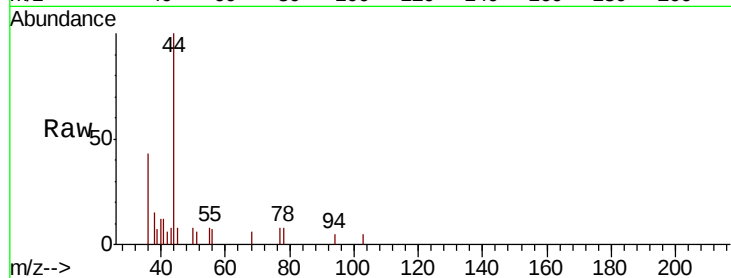
S32-0640

Tot Ion: 56 Resp: 230

Ion Ratio Lower Upper

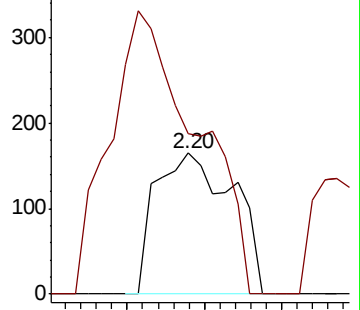
56 100

55 225.2 56.6 85.0#

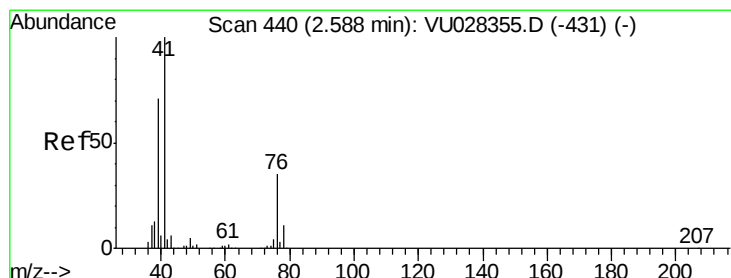
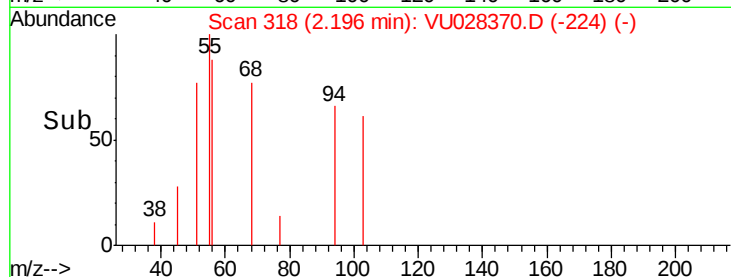


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#14

Allyl chloride

Concen: 4.589 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.14 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

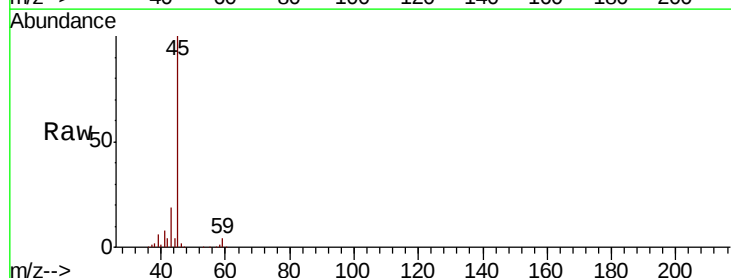
Tgt Ion: 41 Resp: 31626

Ion Ratio Lower Upper

41 100

39 77.2 51.6 77.4

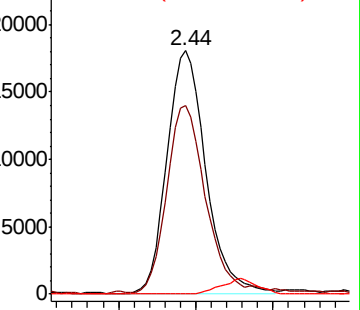
76 0.0 24.4 36.6#



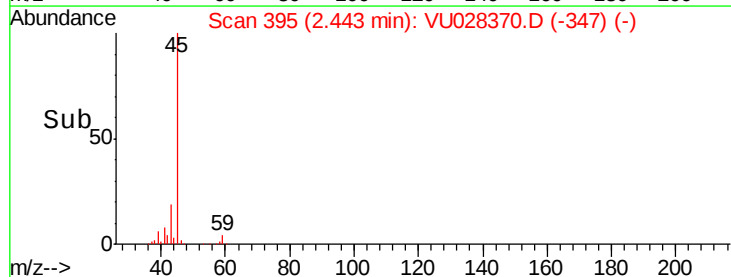
Abundance Ion 41.00 (40.70 to 41.70): VU0

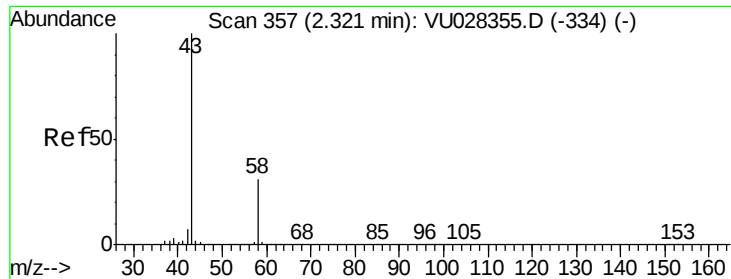
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->





#16

Acetone

Concen: 9.316 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

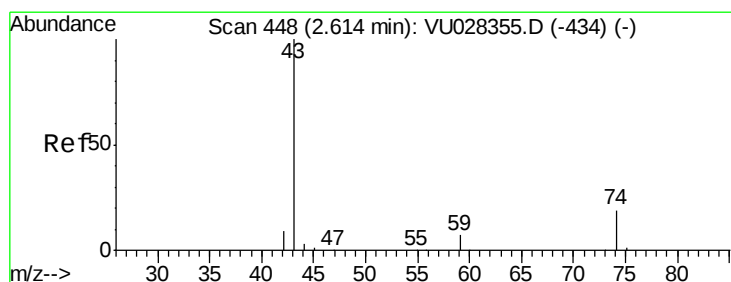
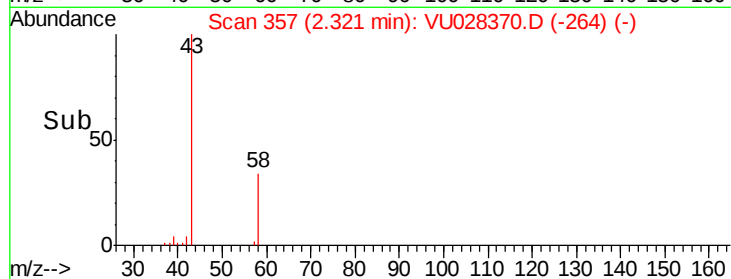
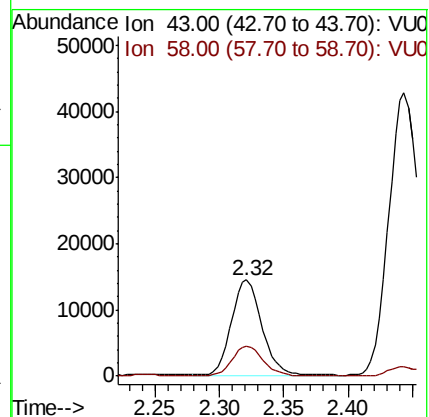
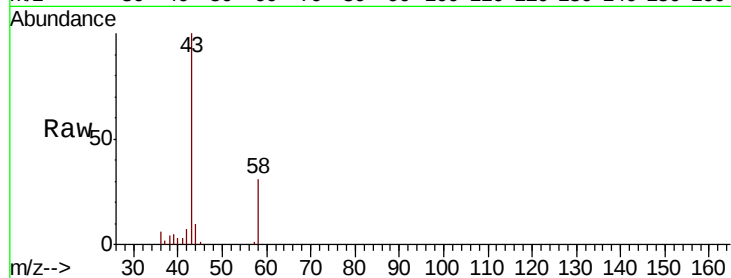
S32-0640

Tot Ion: 43 Resp: 23516

Ion Ratio Lower Upper

43 100

58 31.6 24.4 36.6



#18

Methyl Acetate

Concen: 10.960 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU028370.D

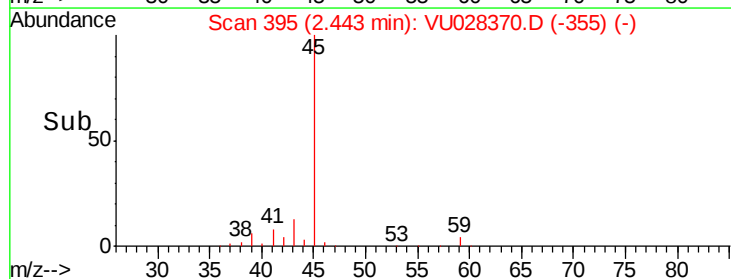
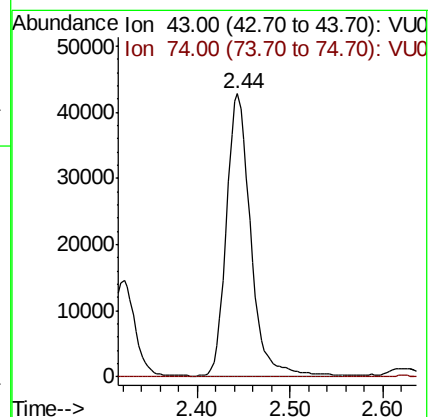
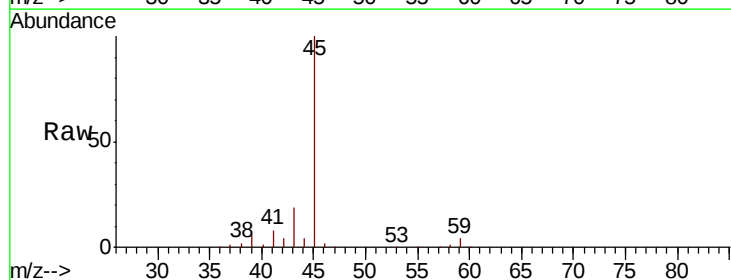
Acq: 28 Nov 2018 16:56

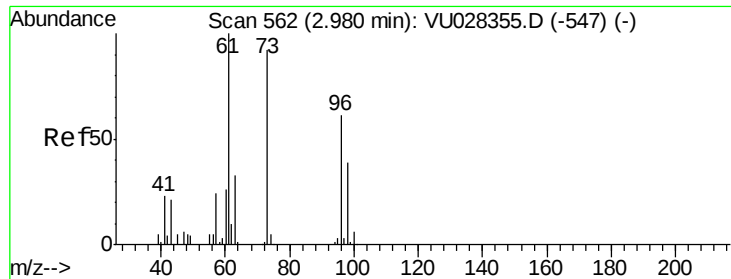
Tgt Ion: 43 Resp: 77024

Ion Ratio Lower Upper

43 100

74 0.0 15.3 22.9#





#21

trans-1,2-Dichloroethene

Concen: 1.837 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

S32-0640

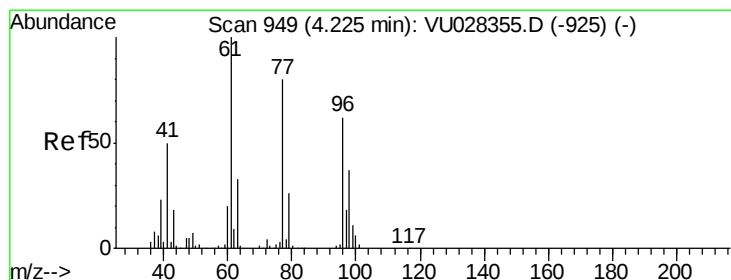
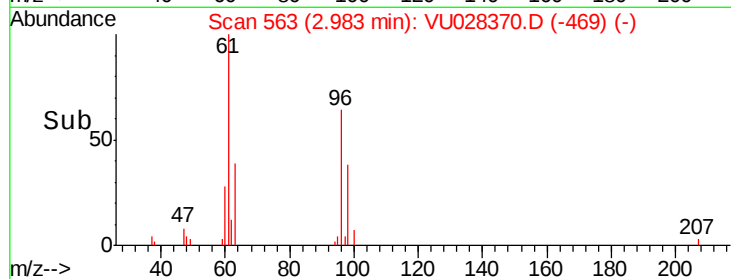
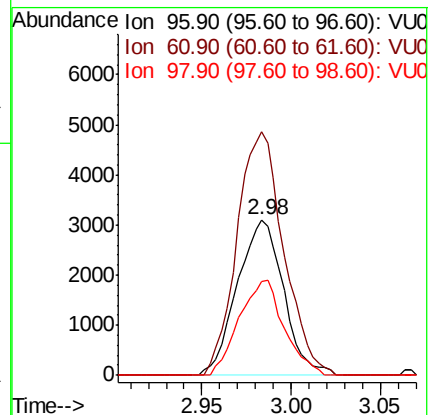
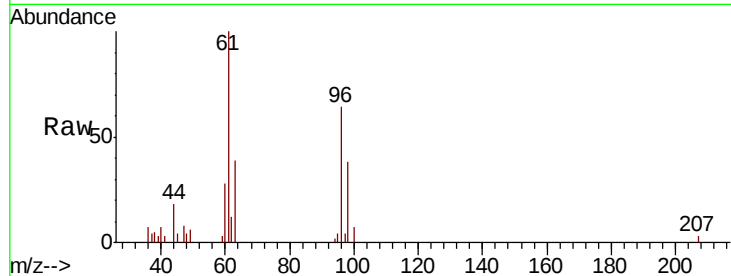
Tot Ion: 96 Resp: 5619

Ion Ratio Lower Upper

96 100

61 156.1 131.1 196.7

98 59.9 51.7 77.5



#26

2,2-Dichloropropane

Concen: 0.451 ug/l

RT: 4.20 min Scan# 942

Delta R.T. -0.02 min

Lab File: VU028370.D

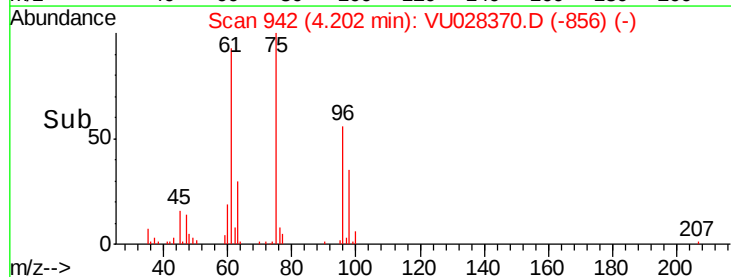
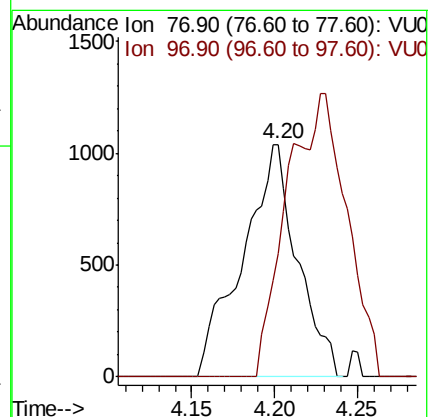
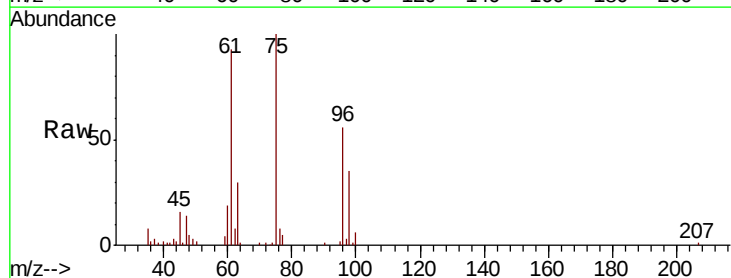
Acq: 28 Nov 2018 16:56

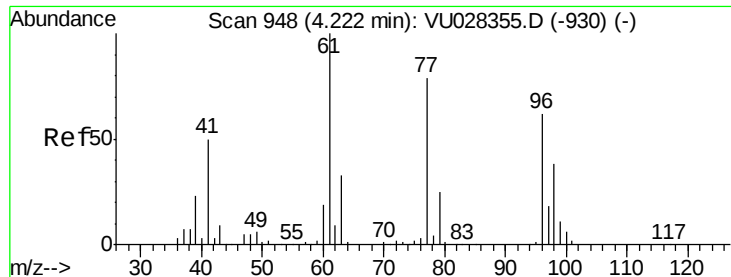
Tgt Ion: 77 Resp: 2398

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



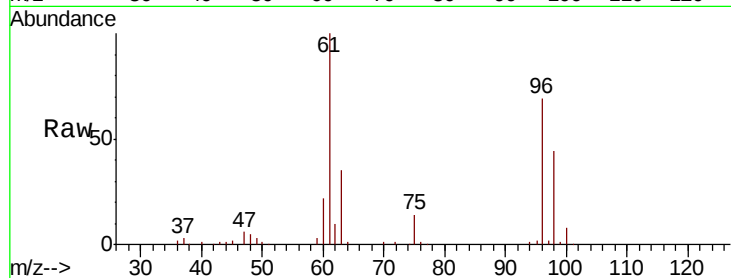


#27

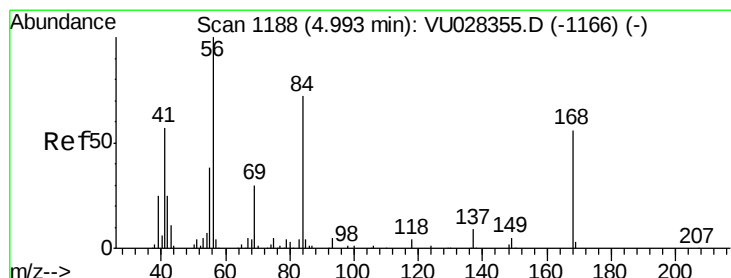
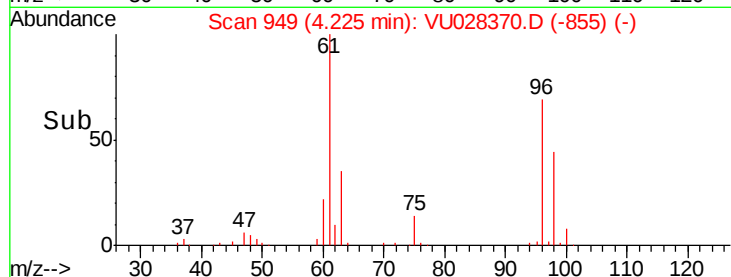
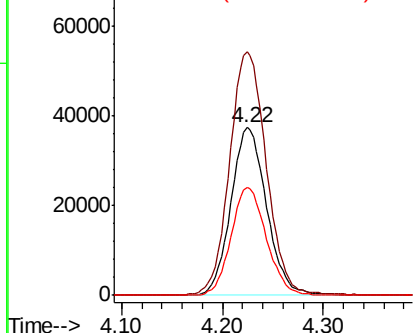
cis-1,2-Dichloroethene
 Concen: 25.381 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028370.D
 Acq: 28 Nov 2018 16:56

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0640

Tot Ion: 96 Resp: 91819
 Ion Ratio Lower Upper
 96 100
 61 148.8 0.0 342.0
 98 63.5 0.0 126.4



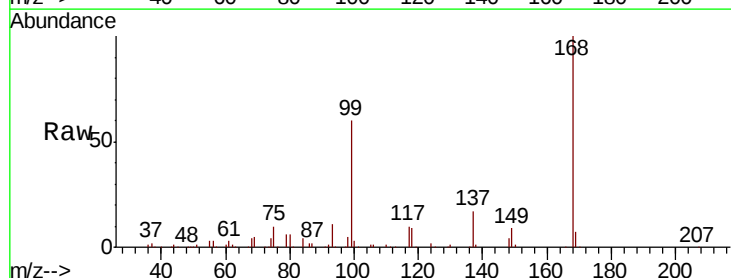
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



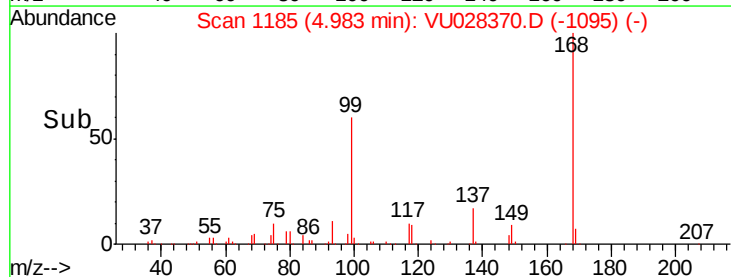
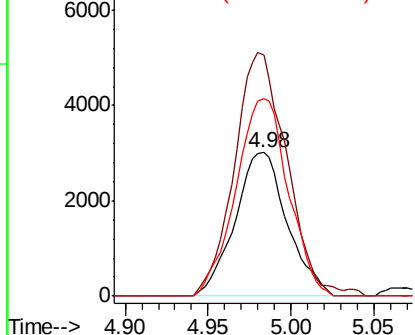
#31

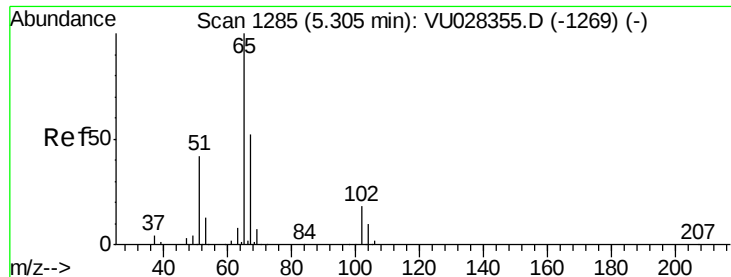
Cyclohexane
 Concen: 0.579 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VU028370.D
 Acq: 28 Nov 2018 16:56

Tgt Ion: 56 Resp: 6594
 Ion Ratio Lower Upper
 56 100
 69 168.0 23.7 35.5#
 84 138.3 57.3 85.9#



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

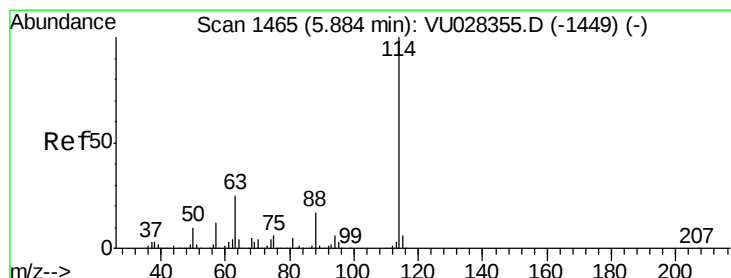
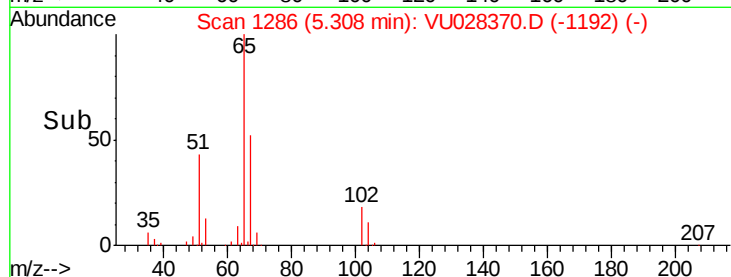
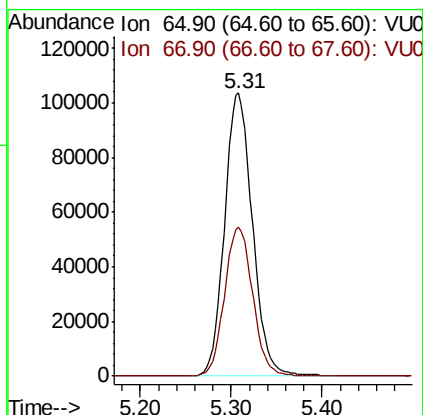
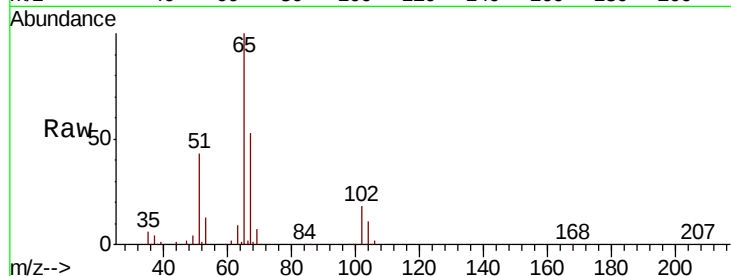




#33
 1,2-Dichloroethane-d4
 Concen: 53.341 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028370.D
 Acq: 28 Nov 2018 16:56

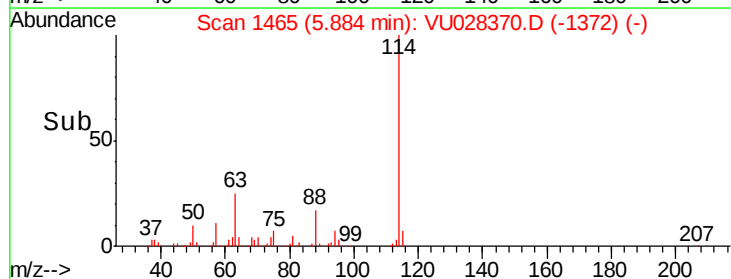
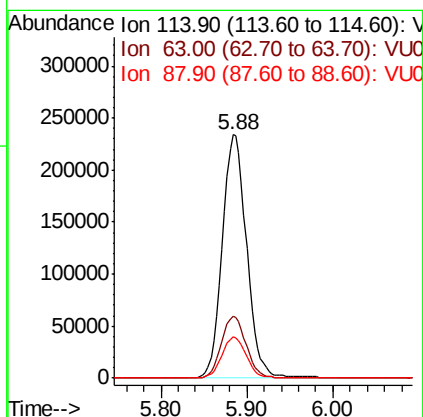
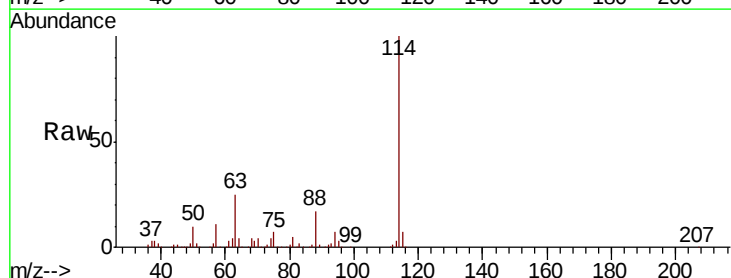
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0640

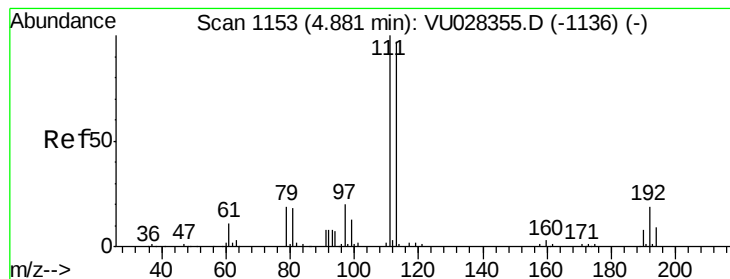
Tot Ion: 65 Resp: 220102
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028370.D
 Acq: 28 Nov 2018 16:56

Tgt Ion: 114 Resp: 462293
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 50.0
 88 16.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 50.516 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

S32-0640

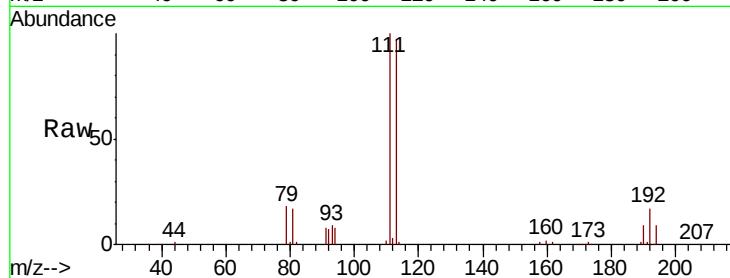
Tot Ion:113 Resp: 155288

Ion Ratio Lower Upper

113 100

111 101.6 82.9 124.3

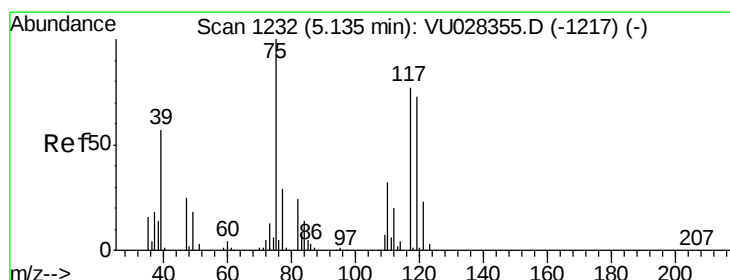
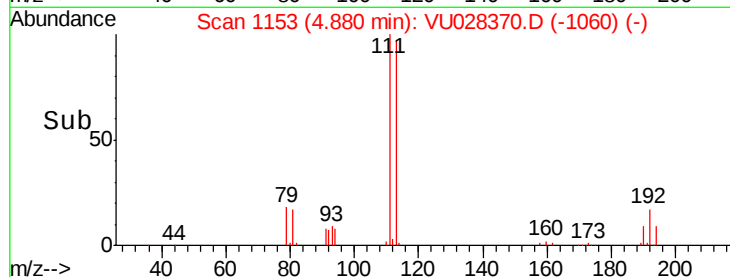
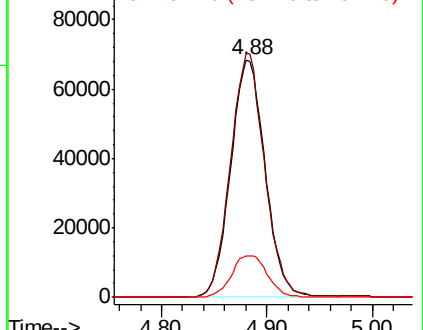
192 18.3 15.4 23.0



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: 4.532 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

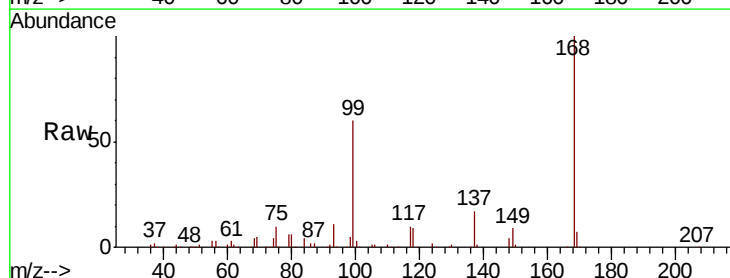
Tgt Ion: 75 Resp: 22927

Ion Ratio Lower Upper

75 100

110 7.0 15.8 47.4#

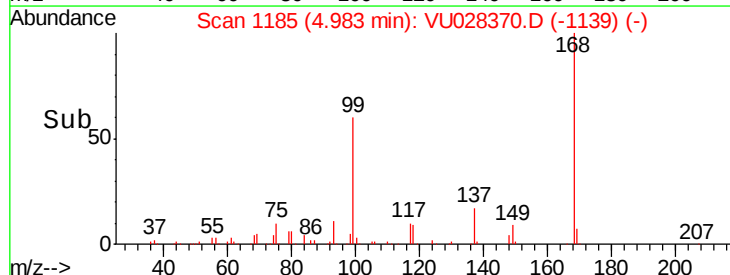
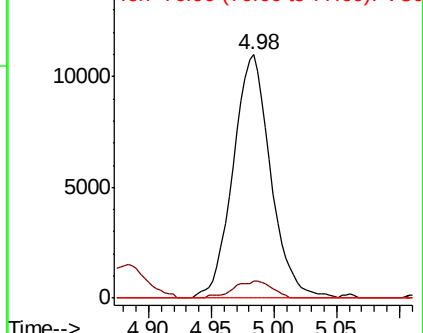
77 0.0 24.6 36.8#

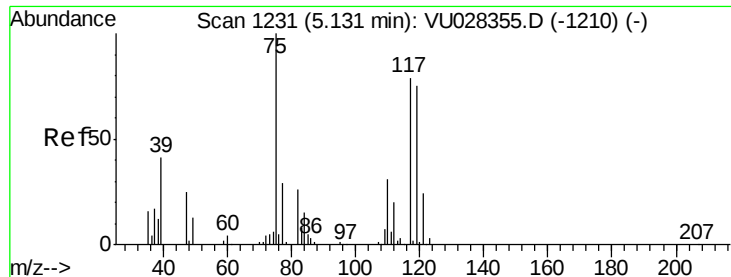


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

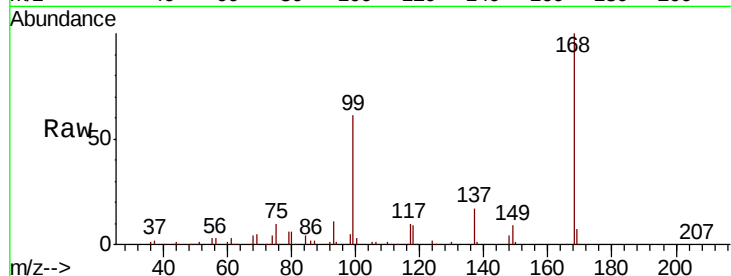




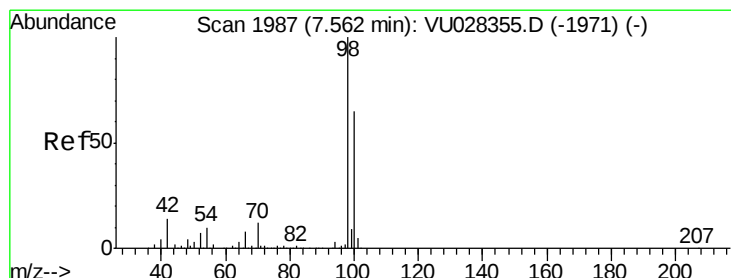
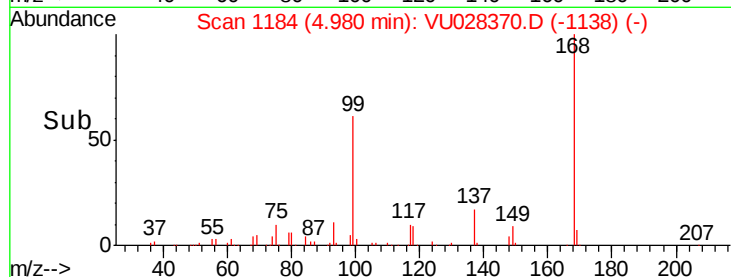
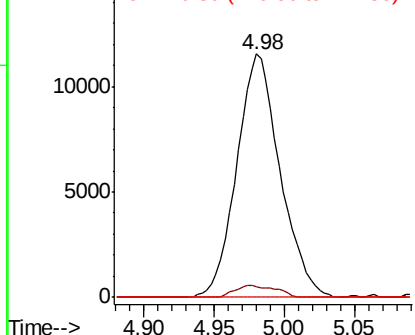
#38
Carbon Tetrachloride
Concen: 5.965 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU028370.D
Acq: 28 Nov 2018 16:56

Instrument :
MSVOA_U
ClientSampleId :
S32-0640

Tot Ion:117 Resp: 24779
Ion Ratio Lower Upper
117 100
119 4.5 76.3 114.5#
121 0.0 24.7 37.1#

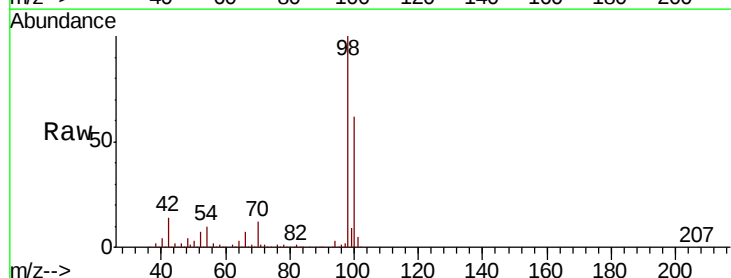


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

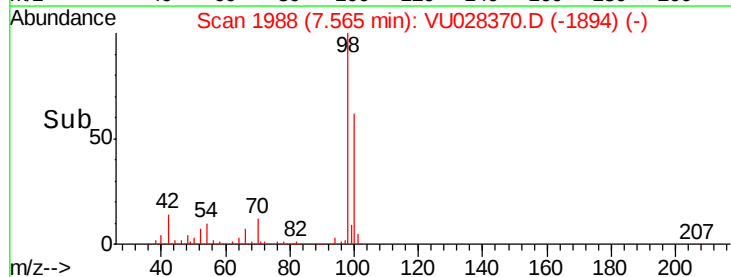
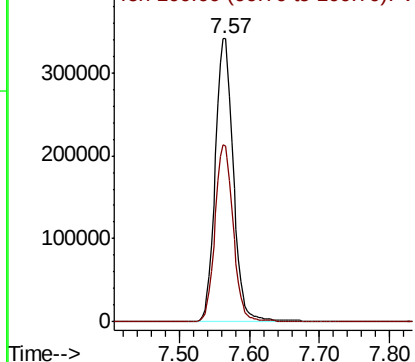


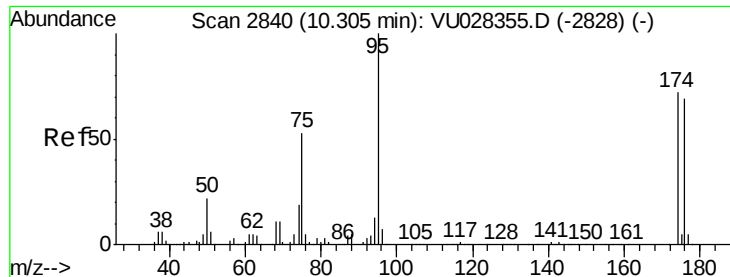
#50
Toluene-d8
Concen: 49.590 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028370.D
Acq: 28 Nov 2018 16:56

Tgt Ion: 98 Resp: 609666
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2



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

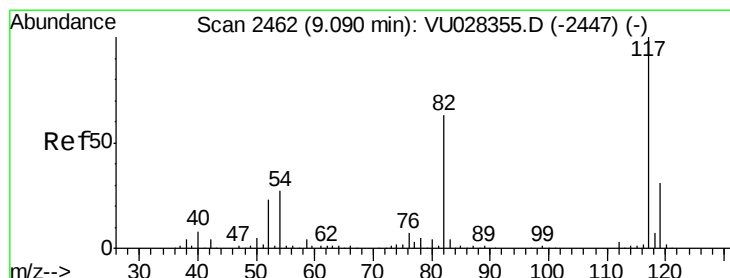
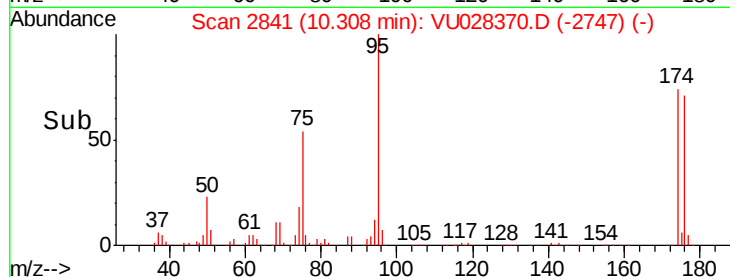
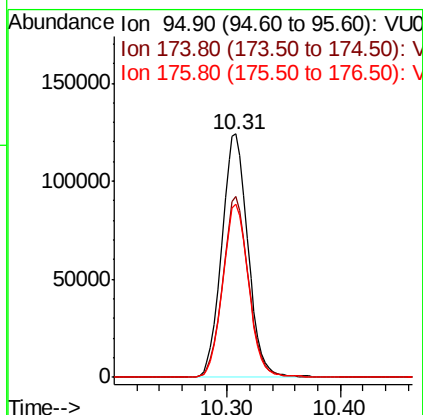
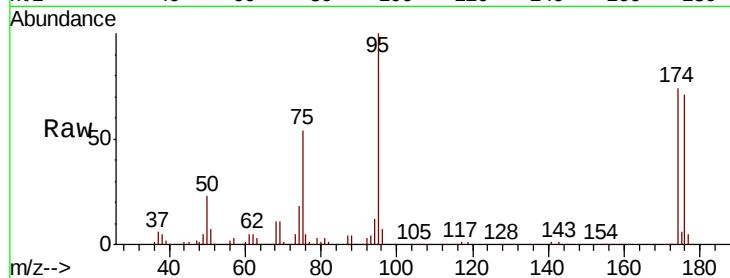




#62
4-Bromofluorobenzene
Concen: 45.165 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028370.D
Acq: 28 Nov 2018 16:56

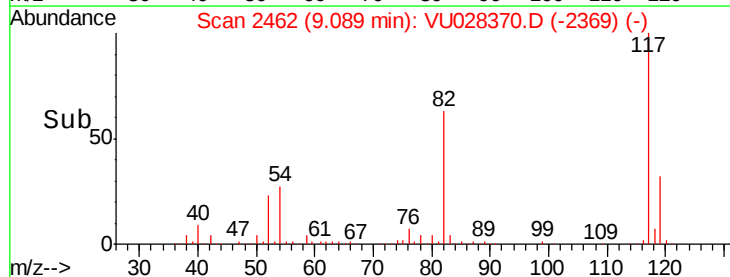
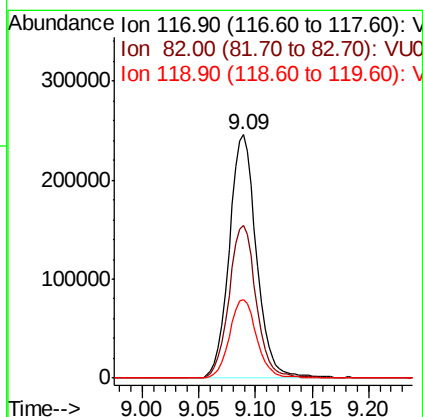
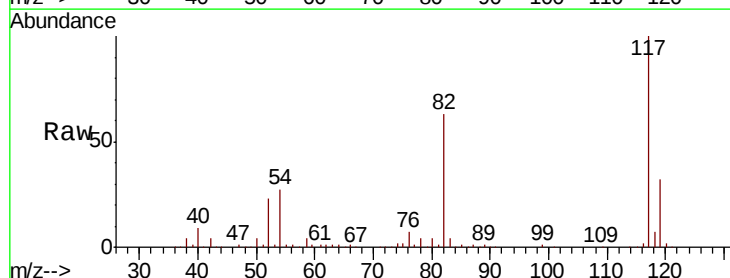
Instrument :
MSVOA_U
ClientSampleId :
S32-0640

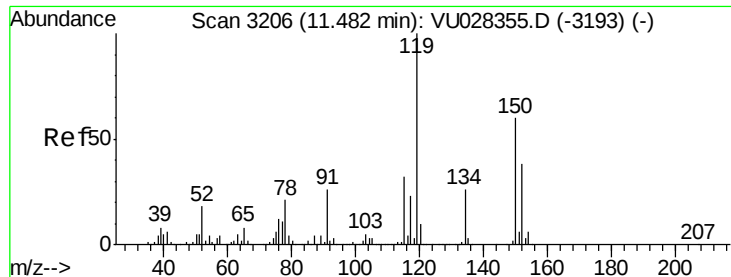
Tot Ion: 95 Resp: 200133
Ion Ratio Lower Upper
95 100
174 72.7 0.0 145.4
176 70.4 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028370.D
Acq: 28 Nov 2018 16:56

Tgt Ion: 117 Resp: 412079
Ion Ratio Lower Upper
117 100
82 62.8 50.3 75.5
119 32.5 24.8 37.2



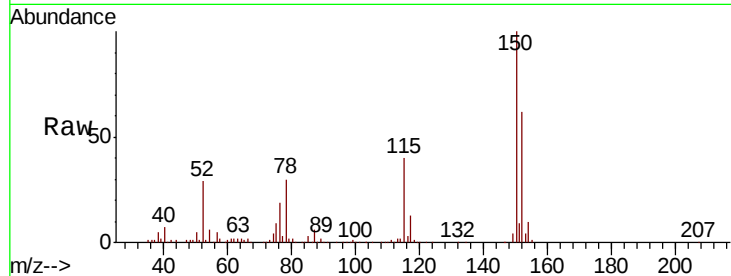


#72

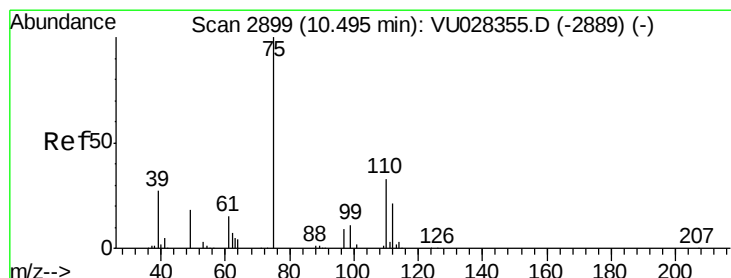
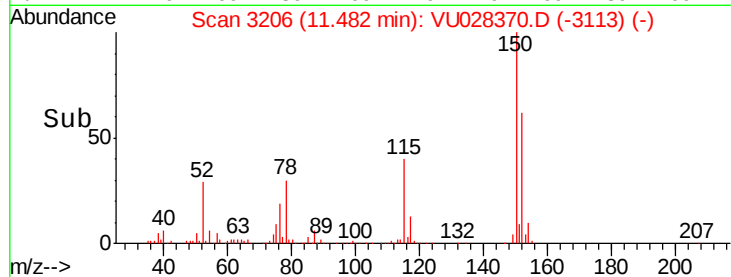
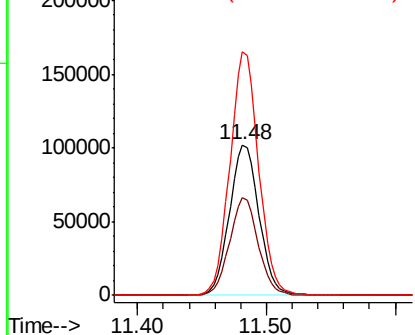
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028370.D
Acq: 28 Nov 2018 16:56

Instrument :
MSVOA_U
ClientSampleId :
S32-0640

Tot Ion:152 Resp: 162281
Ion Ratio Lower Upper
152 100
115 62.8 45.0 134.8
150 156.7 0.0 349.2



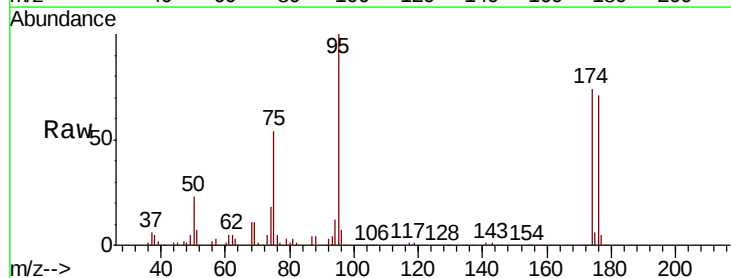
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



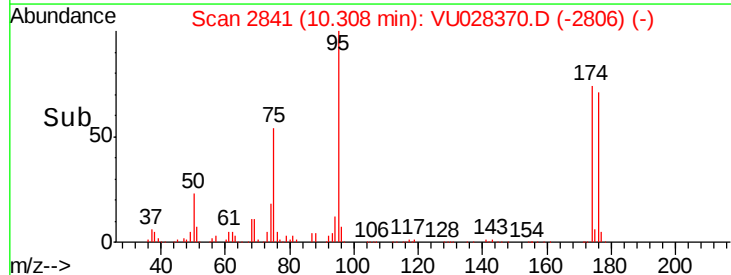
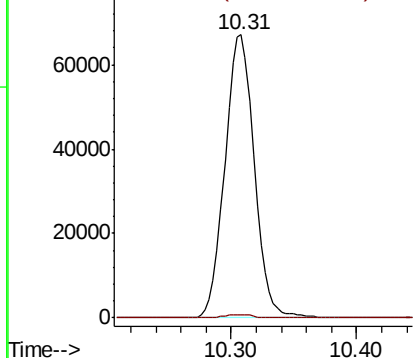
#76

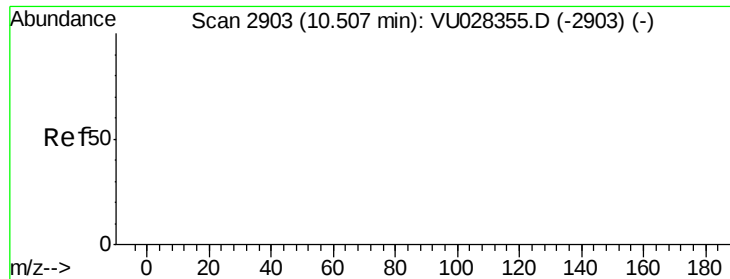
1,2,3-Trichloropropane
Concen: 24.238 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU028370.D
Acq: 28 Nov 2018 16:56

Tgt Ion: 75 Resp: 109077
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.0#



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: 64.340 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

Instrument :

MSVOA_U

ClientSampleId :

S32-0640

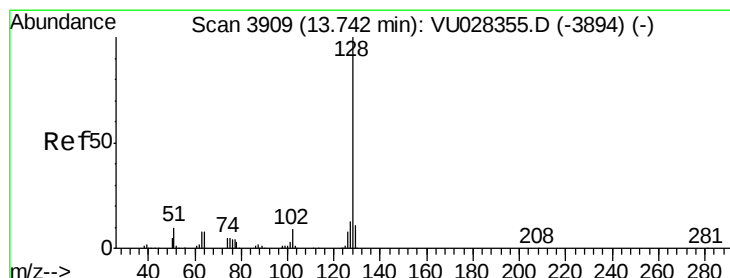
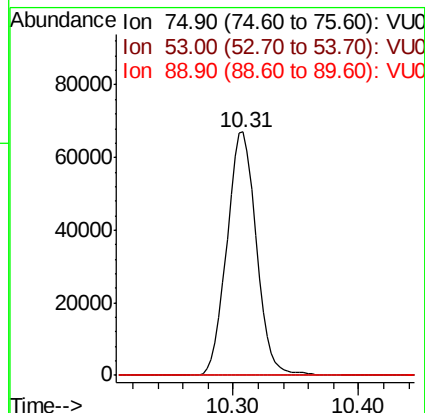
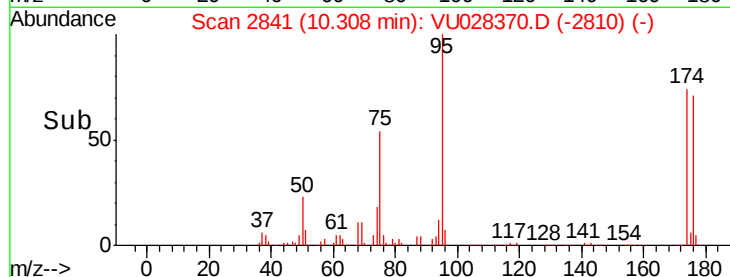
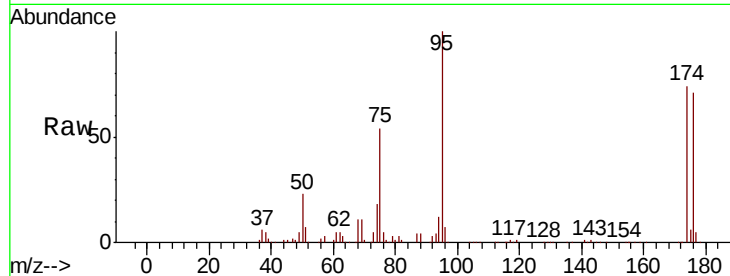
Tot Ion: 75 Resp: 109077

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#95

Naphthalene

Concen: 2.904 ug/l

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU028370.D

Acq: 28 Nov 2018 16:56

Tgt Ion: 128 Resp: 997

Ion Ratio Lower Upper

128 100

127 7.8 10.6 15.8#

129 0.0 8.6 12.8#

