

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028362.D
 Acq On : 28 Nov 2018 13:42
 Operator : MD/SY
 Sample : J6081-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-EB-2018-3

Quant Time: Nov 29 06:15:20 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	249654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	464000	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	411593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	154671	50.00	ug/l	0.00

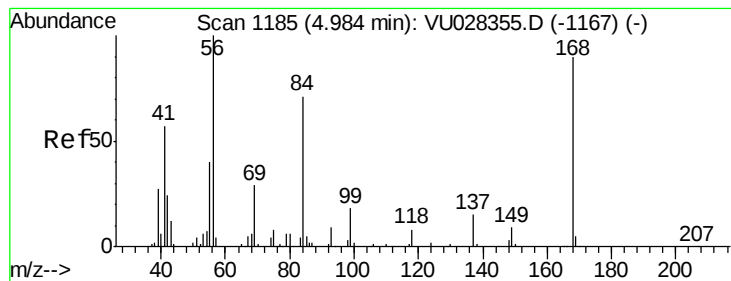
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	215713	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	4.88	113	153753	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	7.56	98	597493	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	10.30	95	199313	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	3643	0.561	ug/l	99
11) Tert butyl alcohol	2.84	59	10028	10.579	ug/l #	82
13) Acrolein	2.20	56	304	0.361	ug/l #	78
14) Allyl chloride	2.70	41	2463	0.353	ug/l #	26
16) Acetone	2.32	43	28439	11.142	ug/l	99
17) Carbon Disulfide	2.48	76	2281	0.223	ug/l	99
18) Methyl Acetate	2.63	43	1748	0.246	ug/l #	78
20) Methylene Chloride	2.70	84	52049	14.405	ug/l	98
25) 2-Butanone	4.28	43	5034	1.376	ug/l #	86
26) 2,2-Dichloropropane	4.20	77	1621	0.302	ug/l #	55
29) Tetrahydrofuran	4.64	42	208376	87.739	ug/l	98
31) Cyclohexane	4.98	56	6707	0.585	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	22567	4.445	ug/l #	50
37) Ethyl Acetate	4.28	43	4756	0.687	ug/l #	71
38) Carbon Tetrachloride	4.98	117	26664	6.395	ug/l #	15
41) Methacrylonitrile	4.64	41	113605	29.564	ug/l #	48
76) 1,2,3-Trichloropropane	10.30	75	104931	24.464	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	104931	64.940	ug/l #	100
95) Naphthalene	13.76	128	645	2.882	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

Instrument :

MSVOA_U

ClientSampleId :

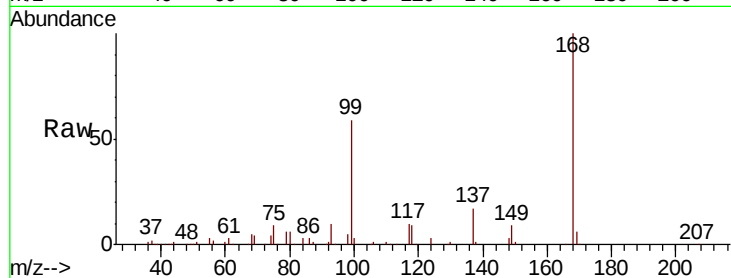
S32-EB-2018-3

Tot Ion:168 Resp: 249654

Ion Ratio Lower Upper

168 100

99 58.5 49.6 74.4



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

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

120000

100000

80000

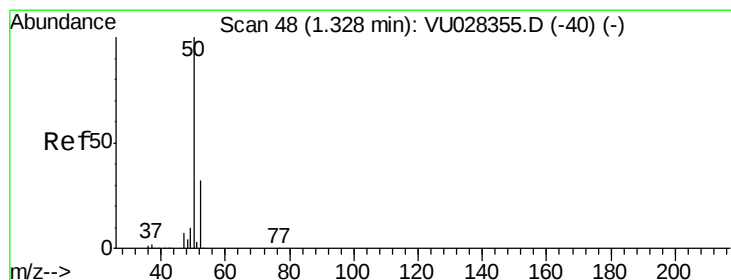
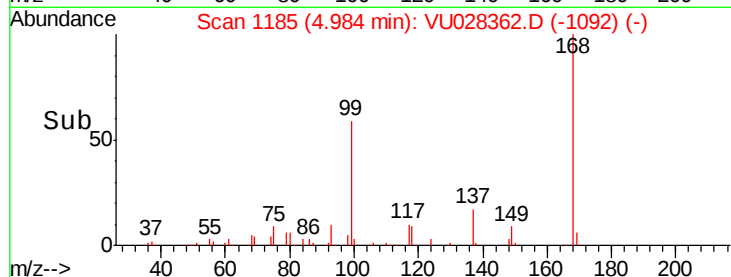
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.561 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028362.D

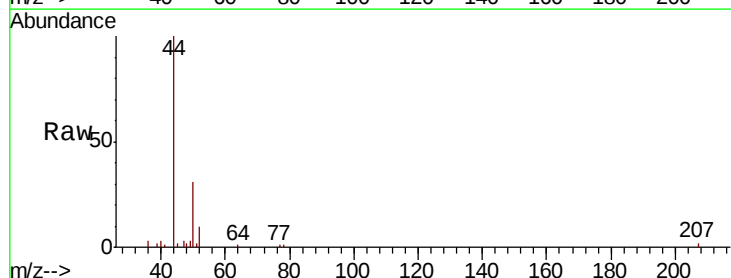
Acq: 28 Nov 2018 13:42

Tgt Ion: 50 Resp: 3643

Ion Ratio Lower Upper

50 100

52 31.5 25.4 38.2



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

Ion 51.90 (51.60 to 52.60): VU028355.D (-40) (-)

1.33

3000

2500

2000

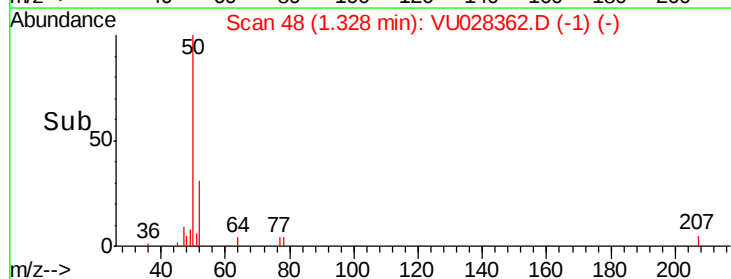
1500

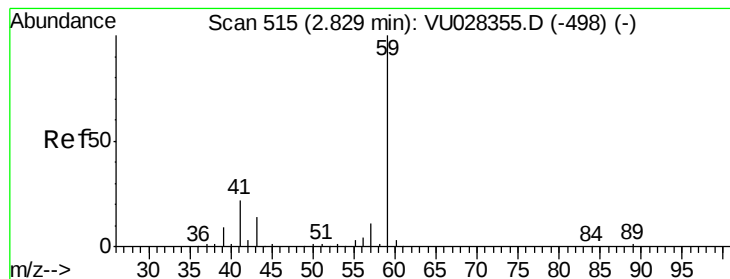
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 10.579 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

Instrument :

MSVOA_U

ClientSampleId :

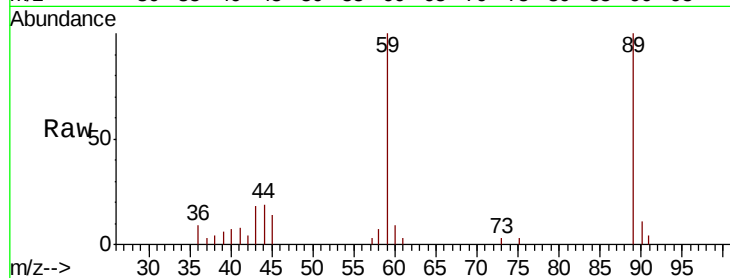
S32-EB-2018-3

Tot Ion: 59 Resp: 10028

Ion Ratio Lower Upper

59 100

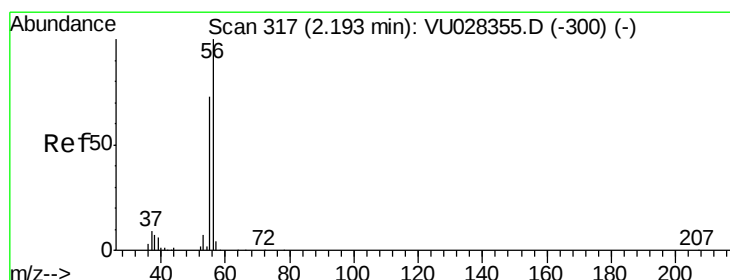
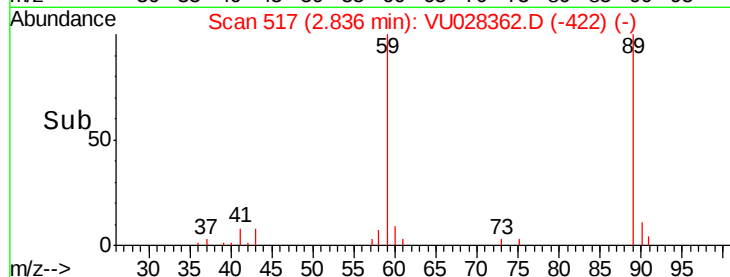
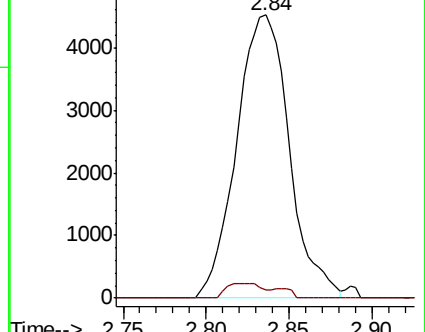
57 3.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028355.D (-498) (-)

2.84



#13

Acrolein

Concen: 0.361 ug/l

RT: 2.20 min Scan# 319

Delta R.T. 0.01 min

Lab File: VU028362.D

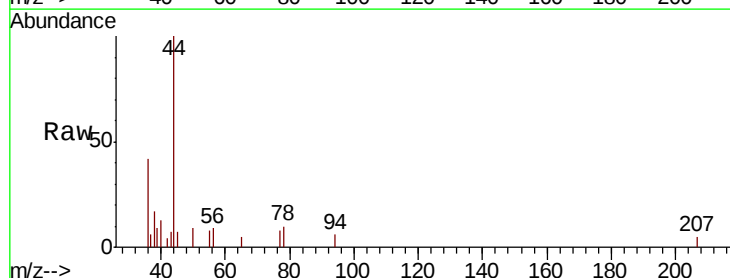
Acq: 28 Nov 2018 13:42

Tgt Ion: 56 Resp: 304

Ion Ratio Lower Upper

56 100

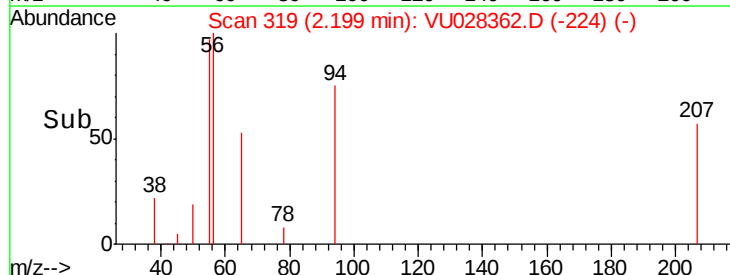
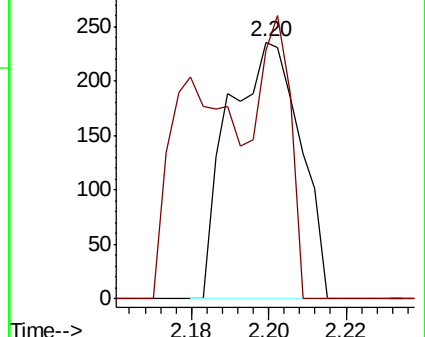
55 52.3 56.6 85.0#

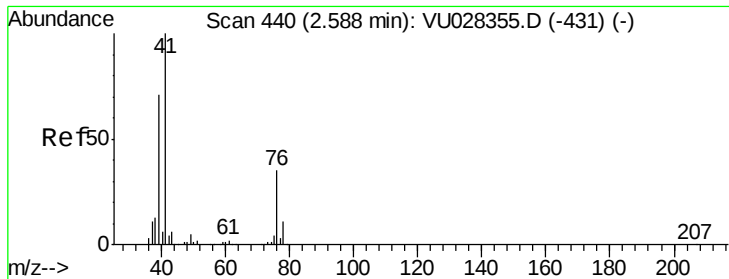


Abundance Ion 56.00 (55.70 to 56.70): VU028355.D (-300) (-)

Ion 55.00 (54.70 to 55.70): VU028355.D (-300) (-)

2.20

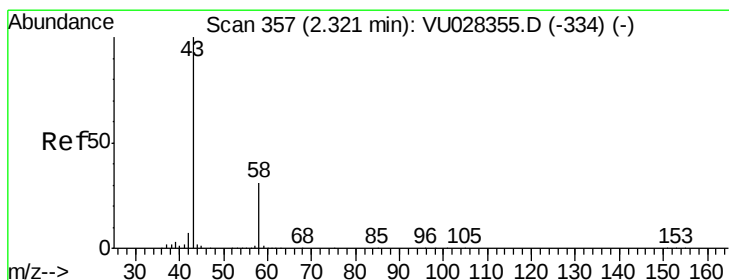
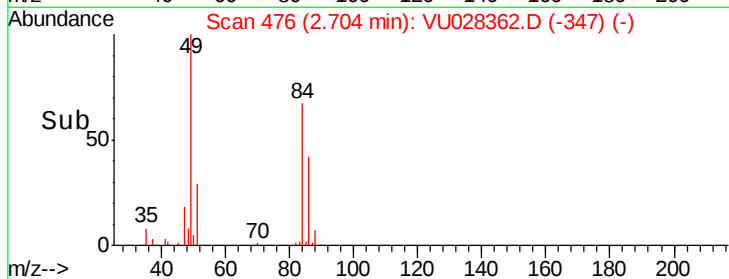
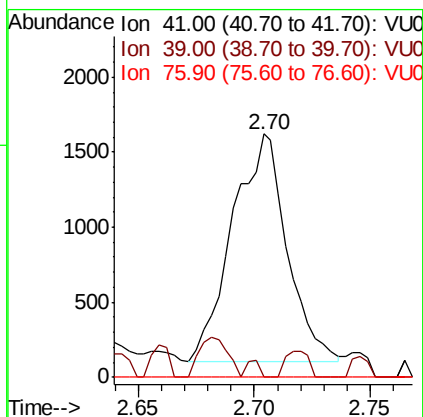
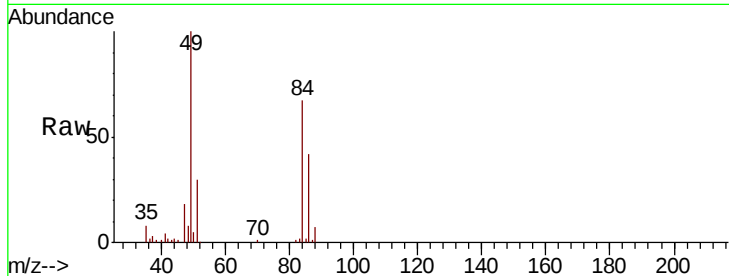




#14
Allvl chloride
Concen: 0.353 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.12 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

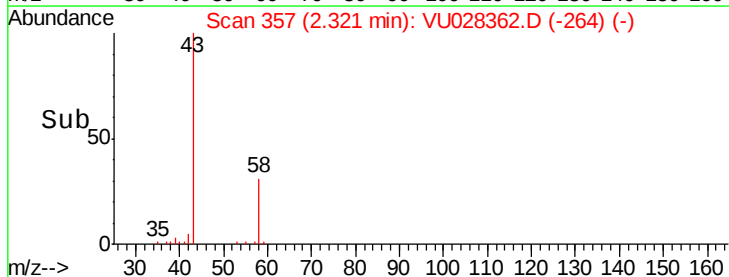
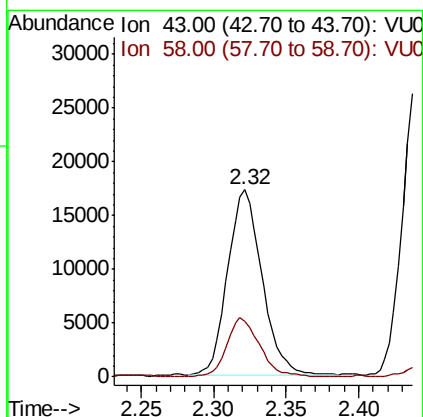
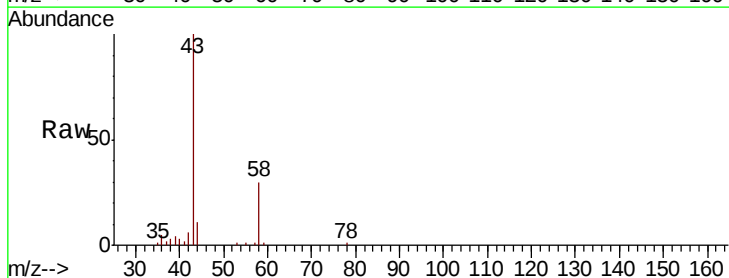
Instrument :
MSVOA_U
ClientSampleId :
S32-EB-2018-3

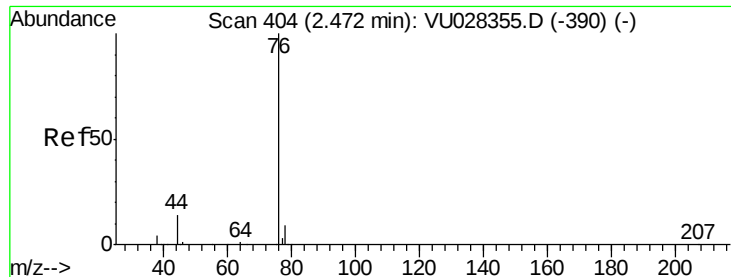
Tot Ion: 41 Resp: 2463
Ion Ratio Lower Upper
41 100
39 0.0 51.6 77.4#
76 0.0 24.4 36.6#



#16
Acetone
Concen: 11.142 ug/l
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

Tgt Ion: 43 Resp: 28439
Ion Ratio Lower Upper
43 100
58 30.1 24.4 36.6

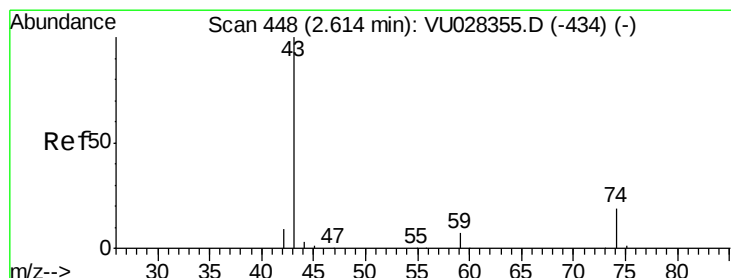
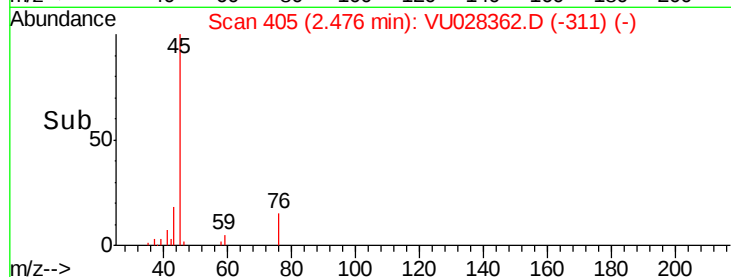
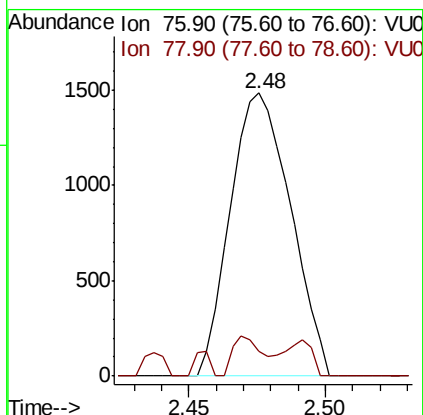
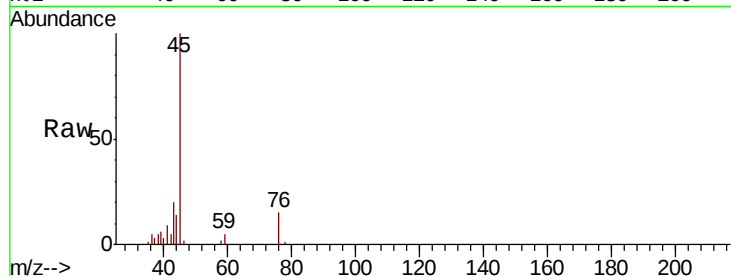




#17
Carbon Disulfide
Concen: 0.223 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

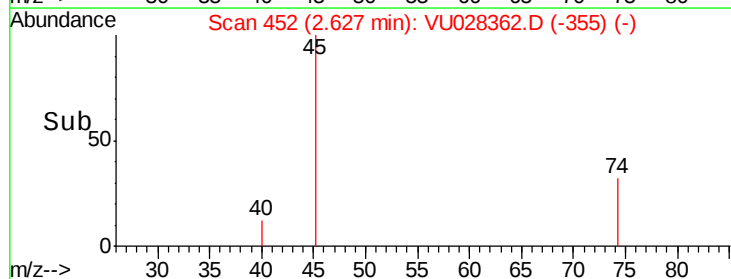
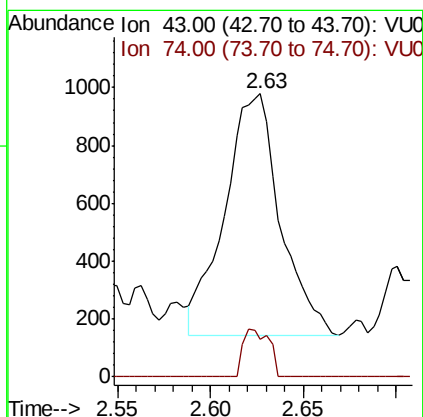
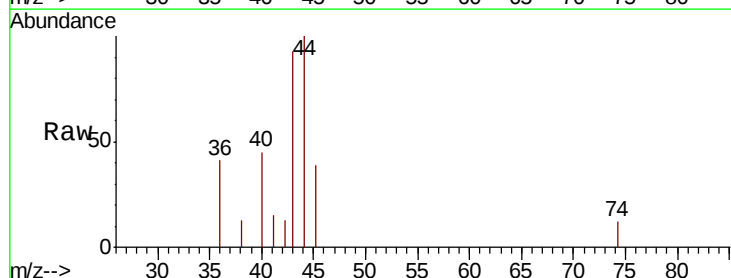
Instrument :
MSVOA_U
ClientSampleId :
S32-EB-2018-3

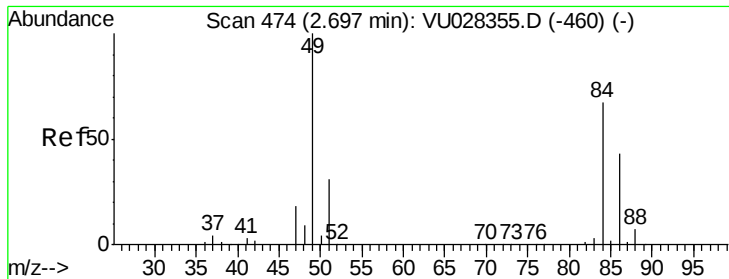
Tot Ion: 76 Resp: 2281
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 0.246 ug/l
RT: 2.63 min Scan# 452
Delta R.T. 0.01 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

Tgt Ion: 43 Resp: 1748
Ion Ratio Lower Upper
43 100
74 9.1 15.3 22.9#

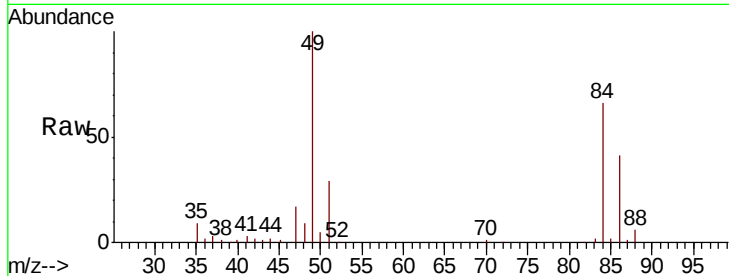




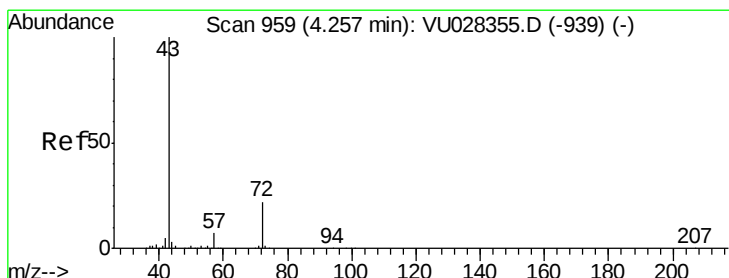
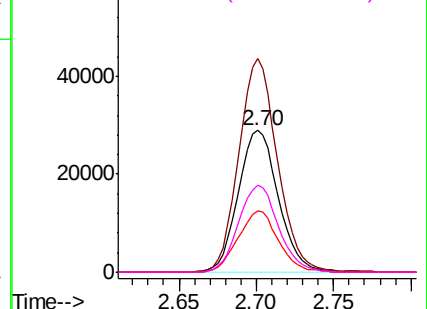
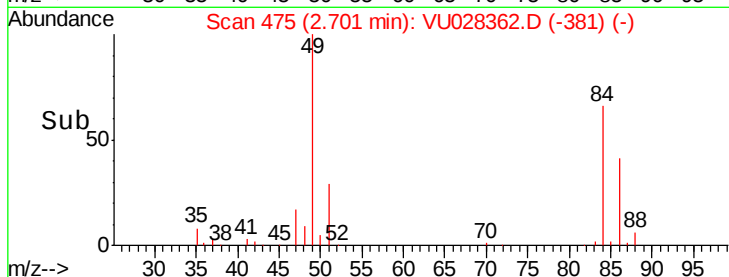
#20
Methvlene Chloride
Concen: 14.405 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

Instrument :
MSVOA_U
ClientSampleId :
S32-EB-2018-3

Tot Ion: 84 Resp: 52049
Ion Ratio Lower Upper
84 100
49 150.9 120.0 180.0
51 43.2 36.9 55.3
86 61.3 51.1 76.7

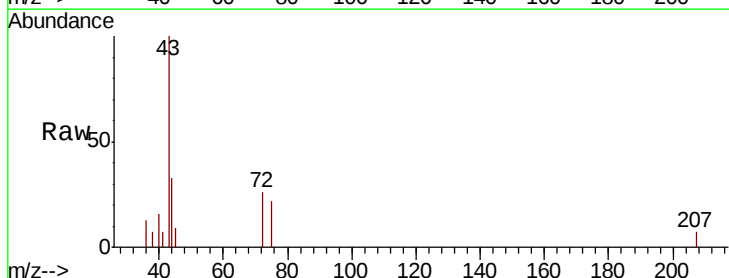


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

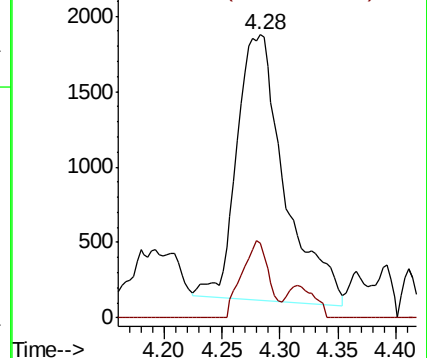
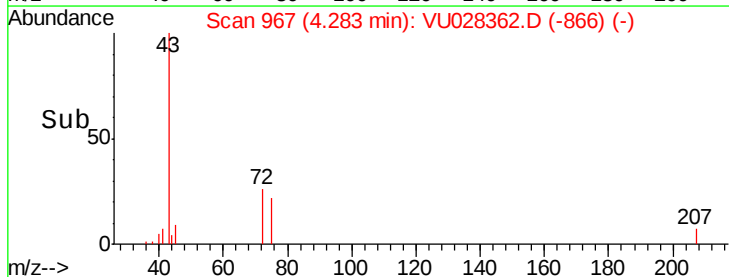


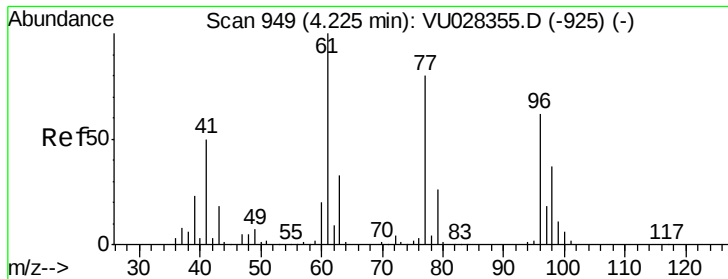
#25
2-Butanone
Concen: 1.376 ug/l
RT: 4.28 min Scan# 967
Delta R.T. 0.03 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

Tgt Ion: 43 Resp: 5034
Ion Ratio Lower Upper
43 100
72 28.7 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0

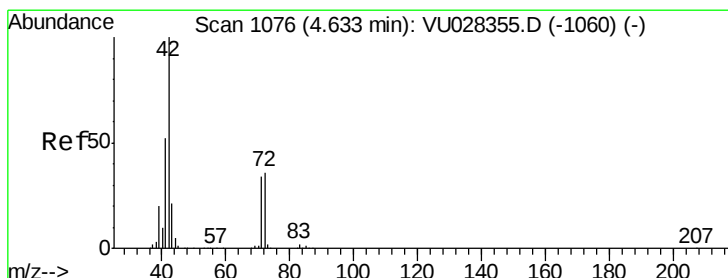
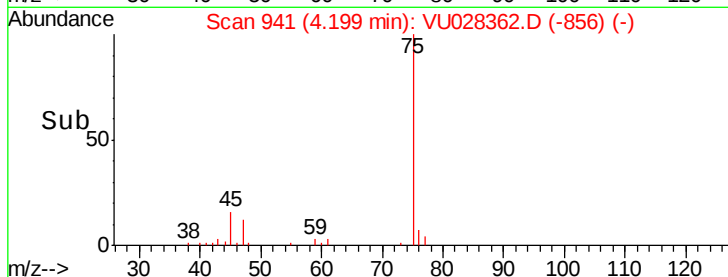
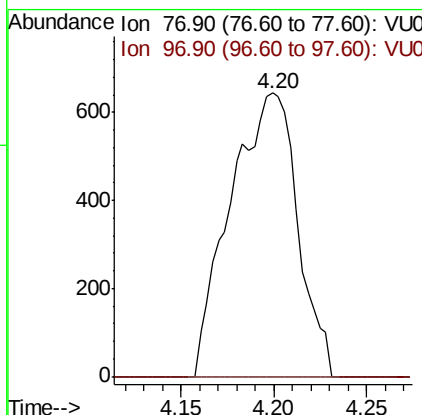
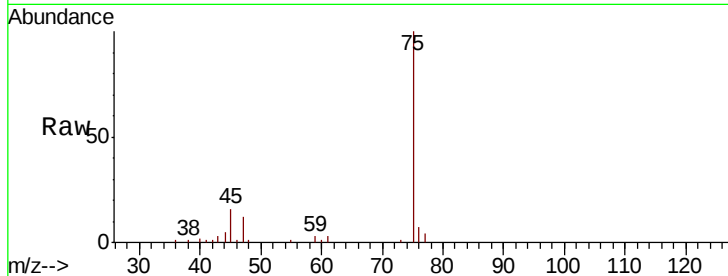




#26
 2,2-Dichloropropane
 Concen: 0.302 ug/l
 RT: 4.20 min Scan# 941
 Delta R.T. -0.03 min
 Lab File: VU028362.D
 Acq: 28 Nov 2018 13:42

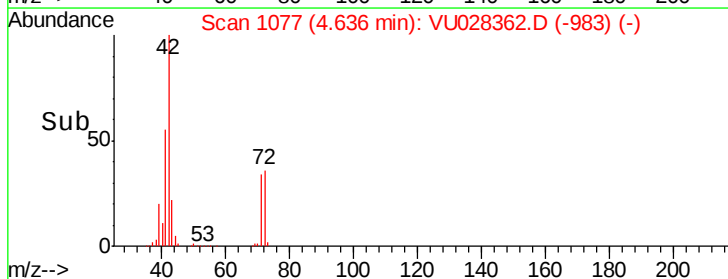
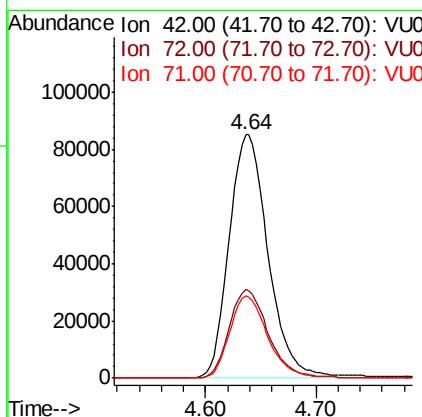
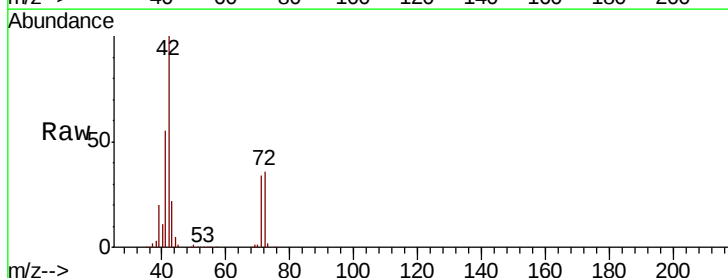
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 S32-EB-2018-3

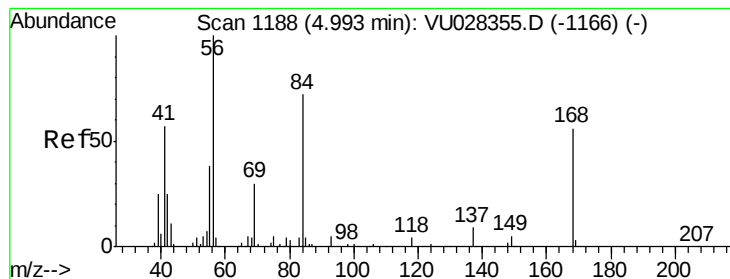
Tot Ion: 77 Resp: 1621
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 87.739 ug/l
 RT: 4.64 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VU028362.D
 Acq: 28 Nov 2018 13:42

Tgt Ion: 42 Resp: 208376
 Ion Ratio Lower Upper
 42 100
 72 36.6 29.5 44.3
 71 33.1 27.7 41.5





#31

Cyclohexane

Concen: 0.585 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-3

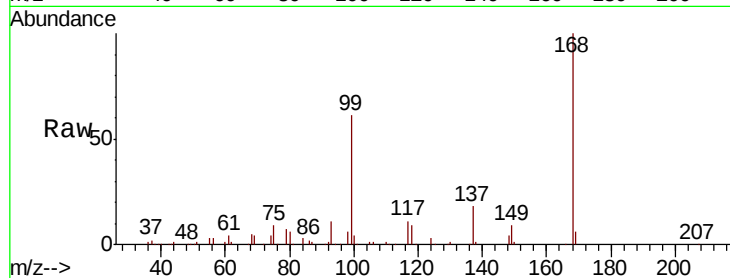
Tot Ion: 56 Resp: 6707

Ion Ratio Lower Upper

56 100

69 162.7 23.7 35.5#

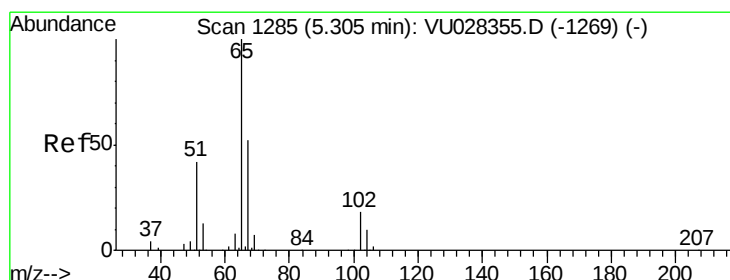
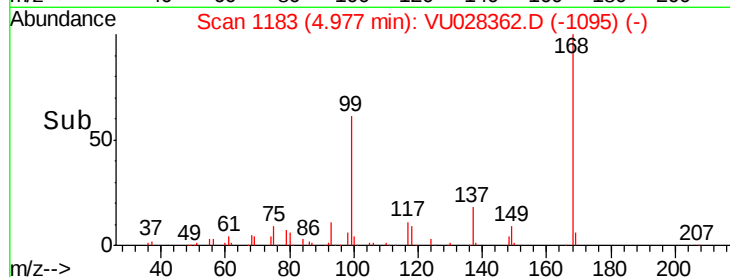
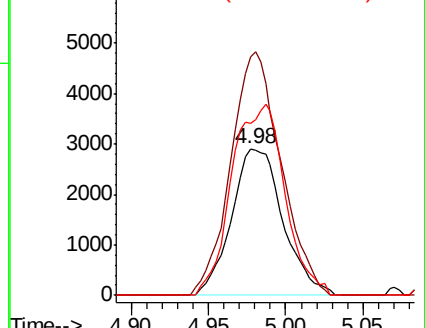
84 116.9 57.3 85.9#



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: 51.701 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028362.D

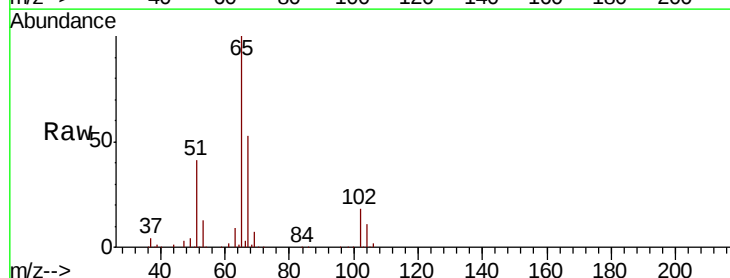
Acq: 28 Nov 2018 13:42

Tgt Ion: 65 Resp: 215713

Ion Ratio Lower Upper

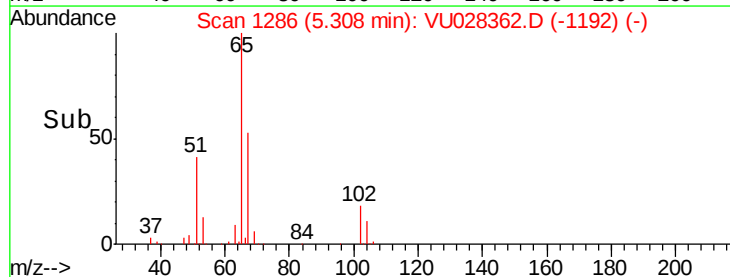
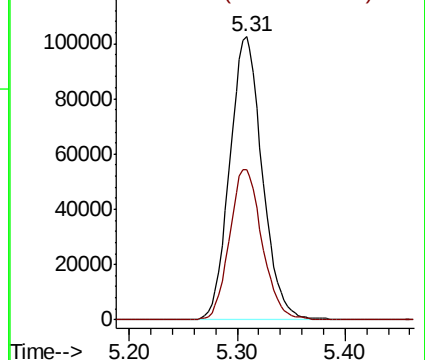
65 100

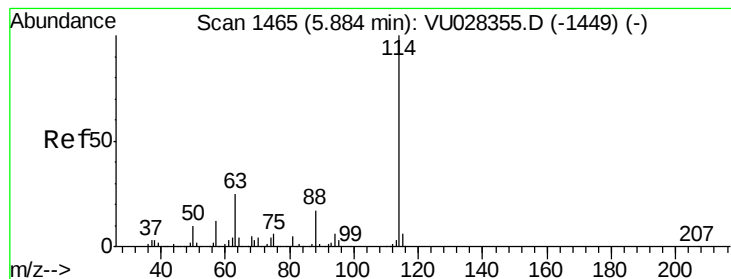
67 53.1 0.0 106.8



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: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-3

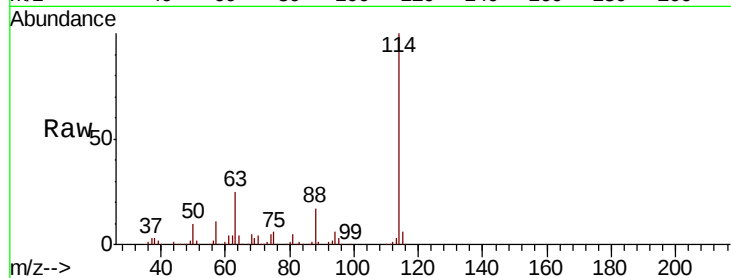
Tot Ion:114 Resp: 464000

Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.0

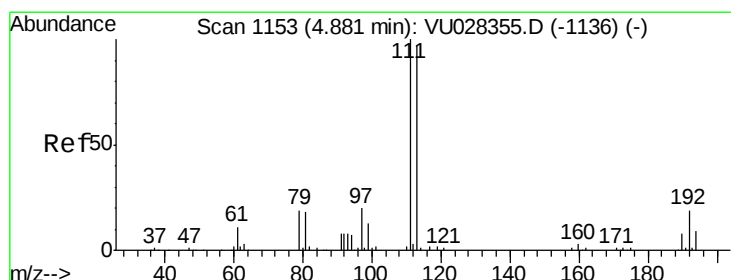
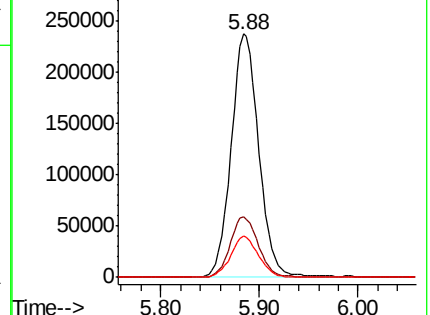
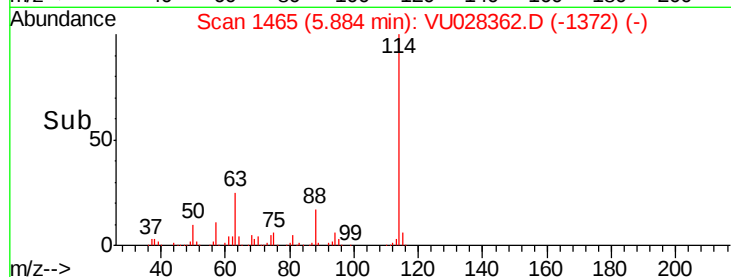
88 16.9 0.0 34.4



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: 49.832 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

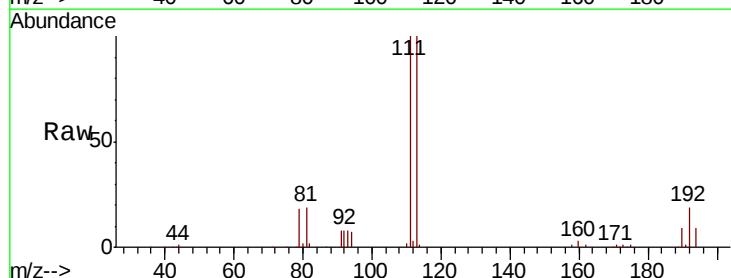
Tgt Ion:113 Resp: 153753

Ion Ratio Lower Upper

113 100

111 105.0 82.9 124.3

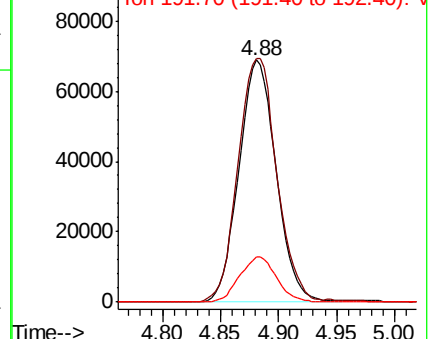
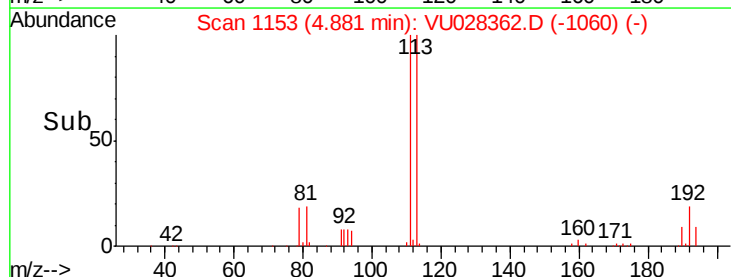
192 18.5 15.4 23.0

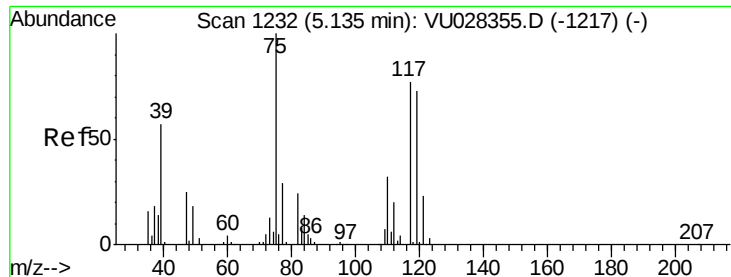


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.445 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-3

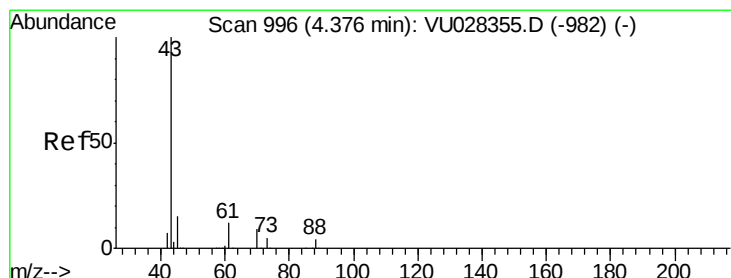
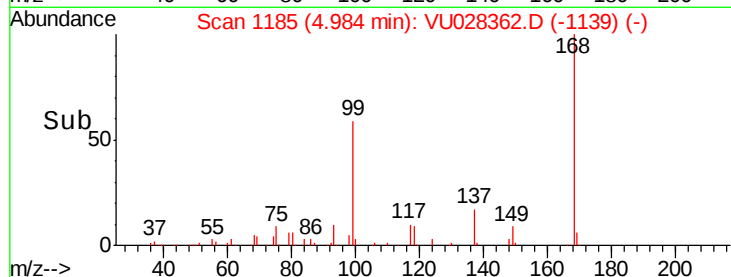
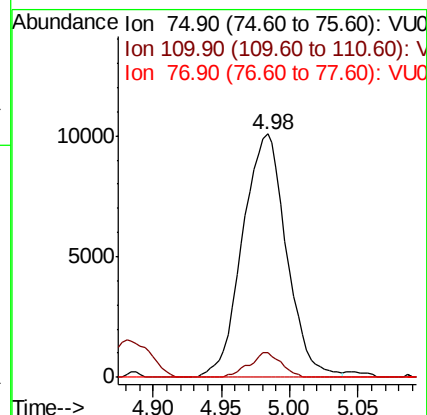
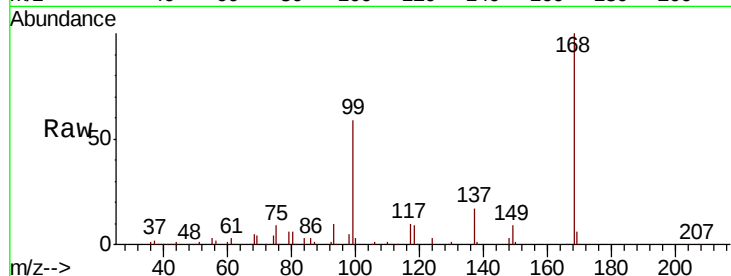
Tot Ion: 75 Resp: 22567

Ion Ratio Lower Upper

75 100

110 7.4 15.8 47.4#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 0.687 ug/l

RT: 4.28 min Scan# 967

Delta R.T. -0.09 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

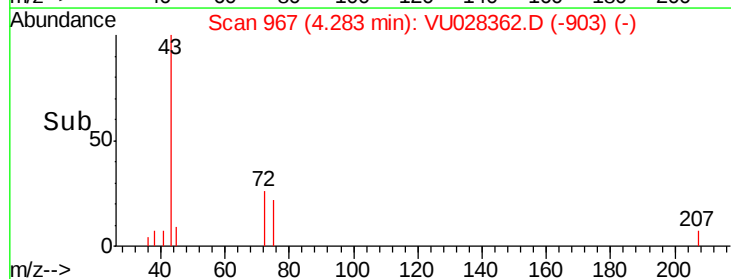
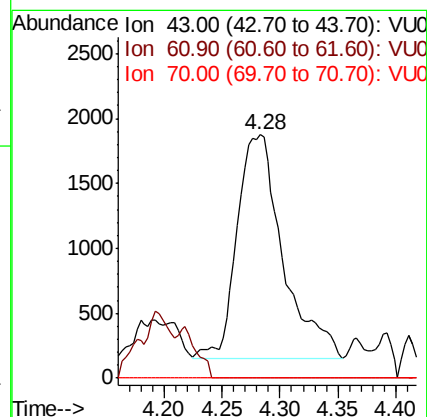
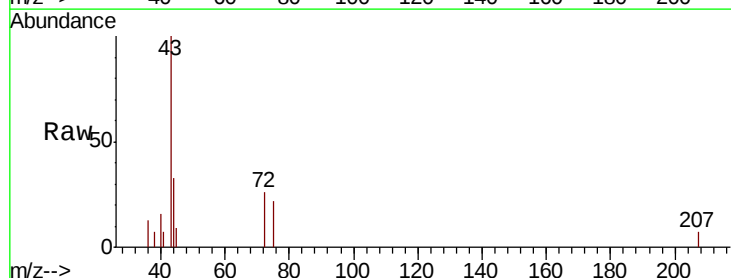
Tgt Ion: 43 Resp: 4756

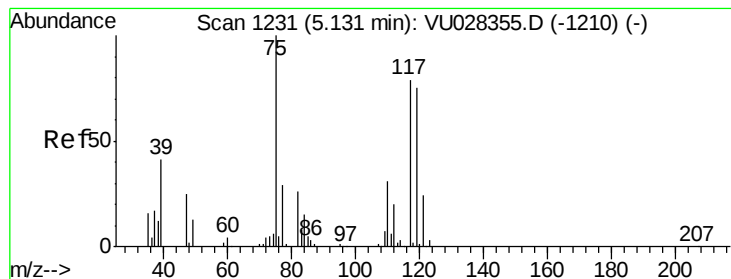
Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 6.395 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-3

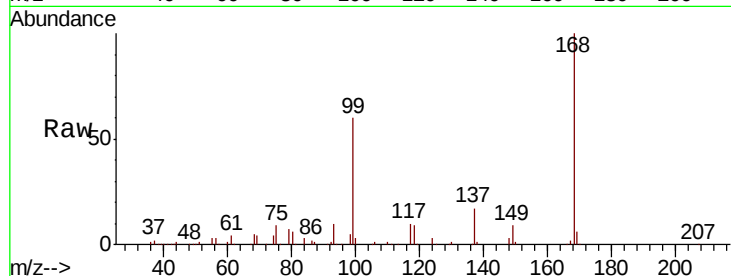
Tot Ion:117 Resp: 26664

Ion Ratio Lower Upper

117 100

119 3.9 76.3 114.5#

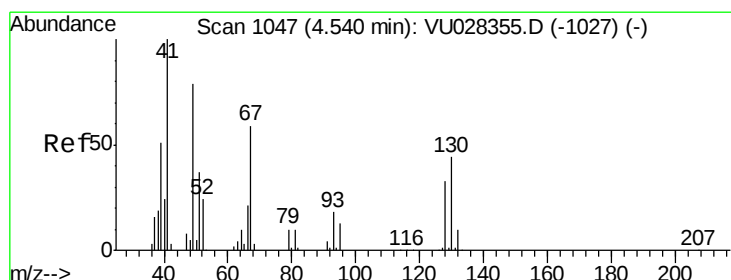
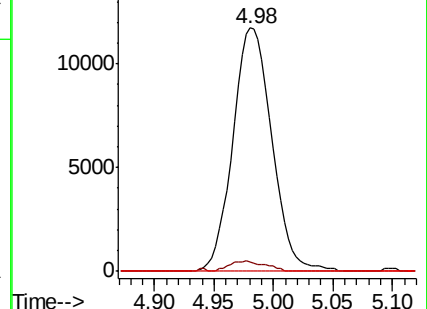
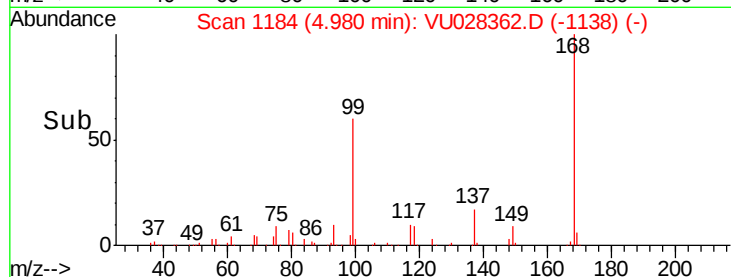
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 29.564 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.10 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

Tgt Ion: 41 Resp: 113605

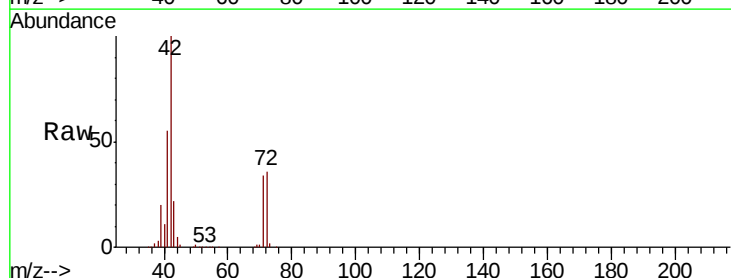
Ion Ratio Lower Upper

41 100

39 37.9 41.3 61.9#

67 0.0 48.6 73.0#

52 0.1 19.4 29.0#

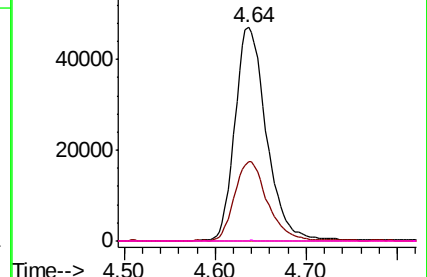
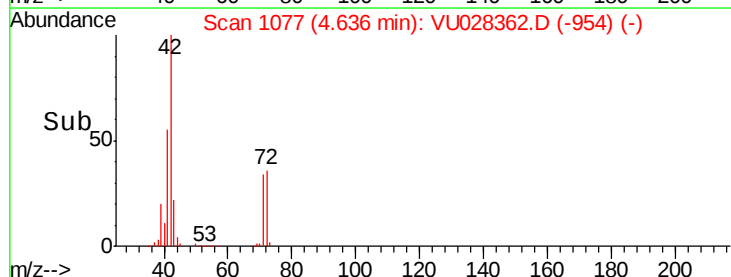


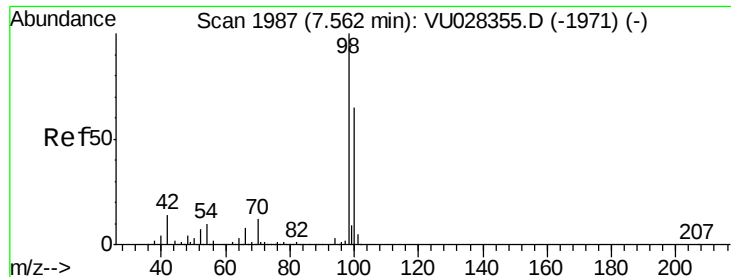
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

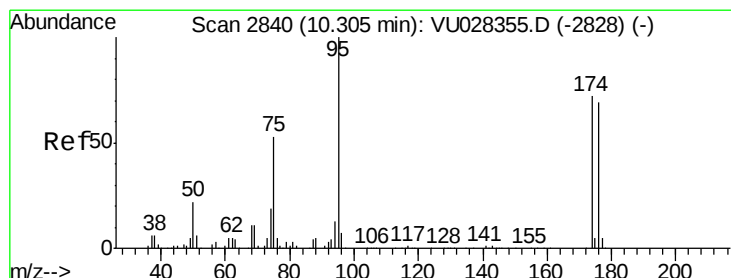
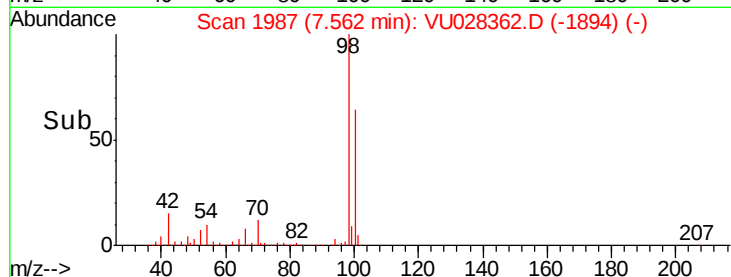
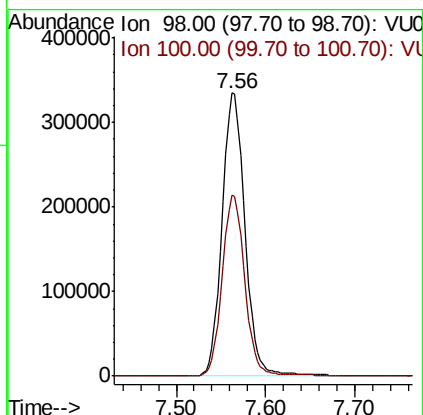
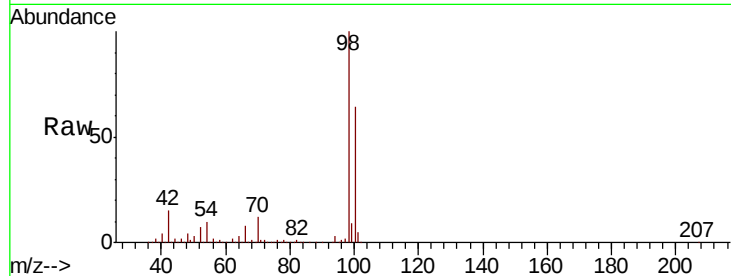




#50
Toluene-d8
Concen: 48.421 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

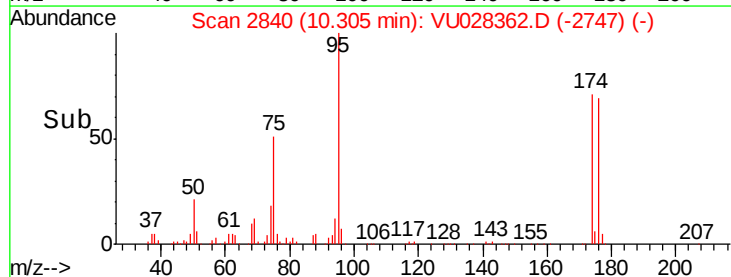
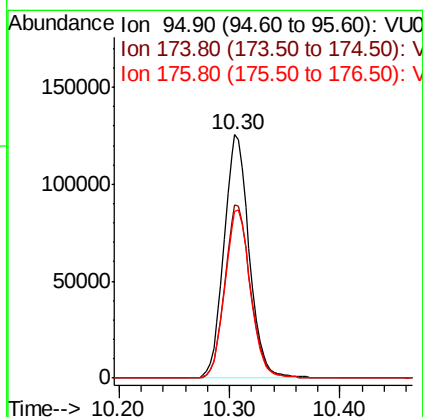
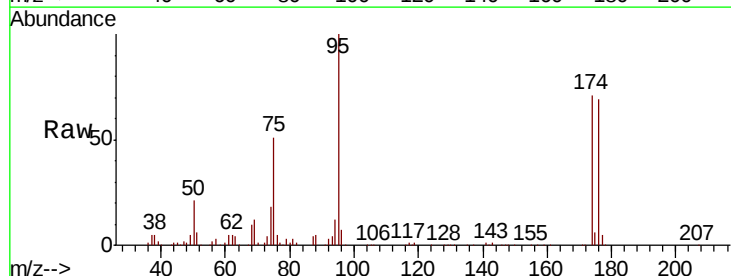
Instrument :
MSVOA_U
ClientSampleId :
S32-EB-2018-3

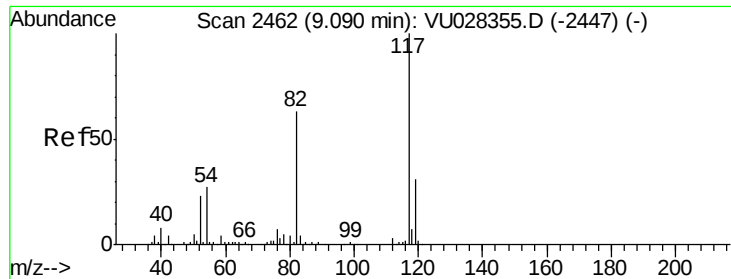
Tot Ion: 98 Resp: 597493
Ion Ratio Lower Upper
98 100
100 62.6 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 44.815 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

Tgt Ion: 95 Resp: 199313
Ion Ratio Lower Upper
95 100
174 72.1 0.0 145.4
176 70.0 0.0 140.8

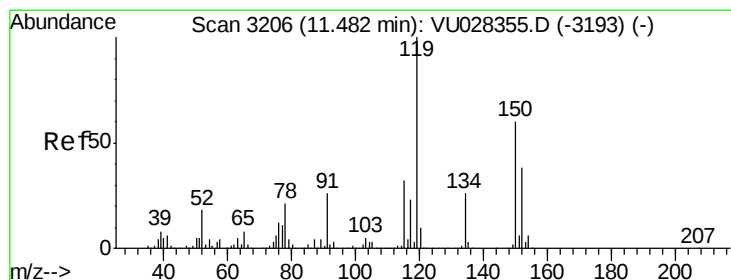
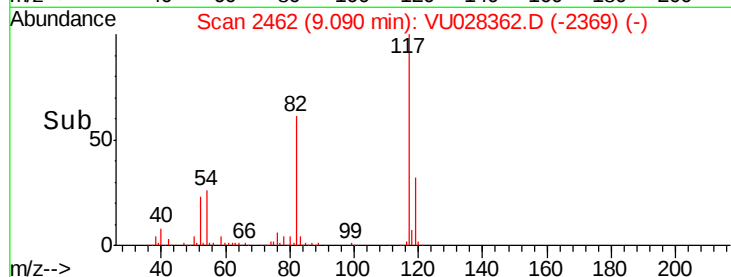
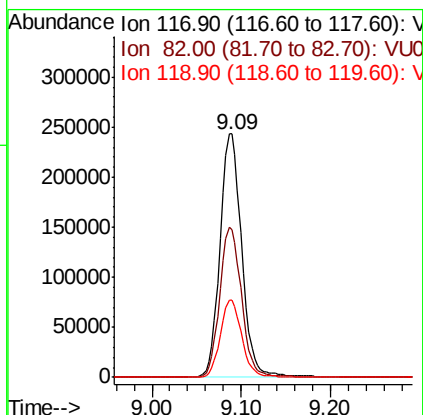
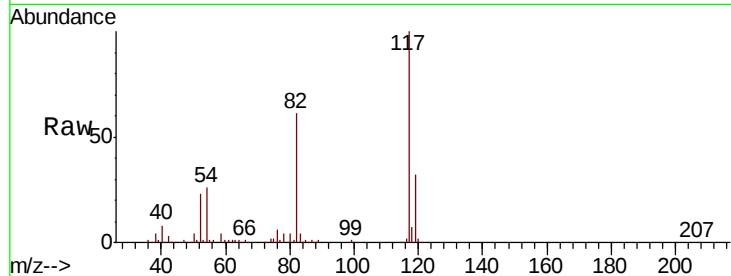




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

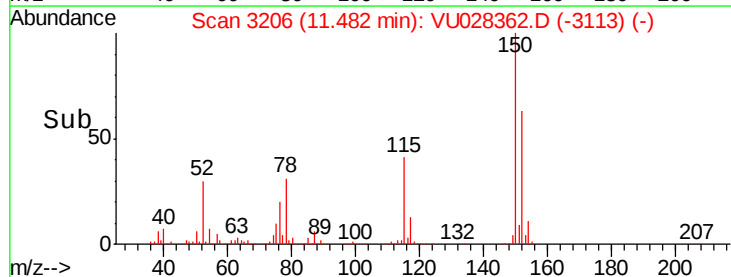
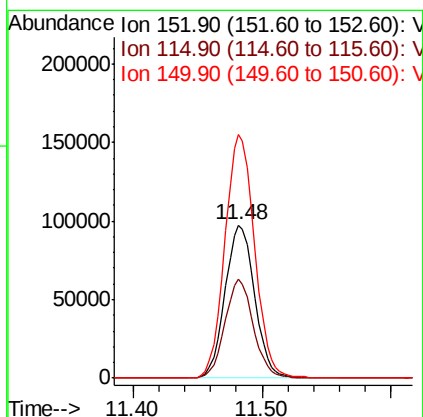
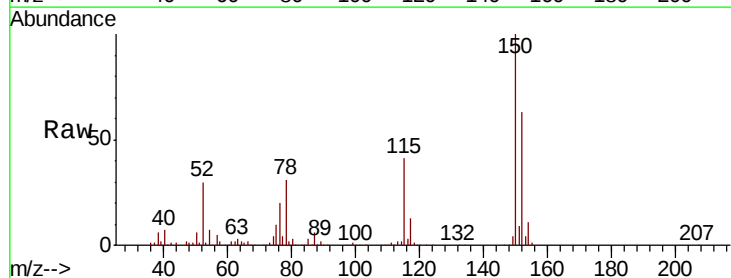
Instrument :
MSVOA_U
ClientSampleId :
S32-EB-2018-3

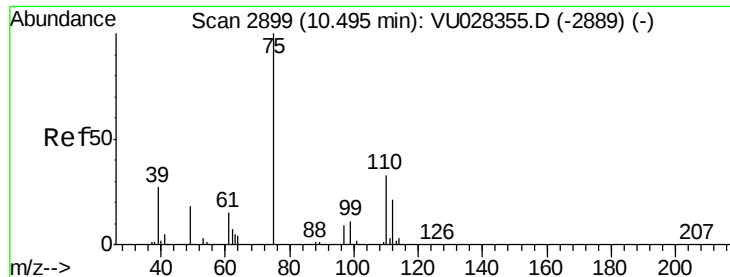
Tot Ion:117 Resp: 411593
Ion Ratio Lower Upper
117 100
82 60.7 50.3 75.5
119 31.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028362.D
Acq: 28 Nov 2018 13:42

Tgt Ion:152 Resp: 154671
Ion Ratio Lower Upper
152 100
115 62.4 45.0 134.8
150 159.0 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 24.464 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

Instrument :

MSVOA_U

ClientSampleId :

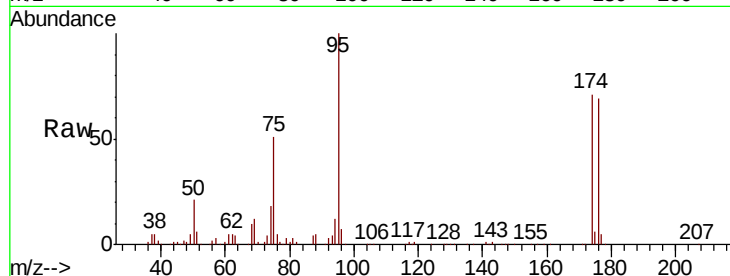
S32-EB-2018-3

Tot Ion: 75 Resp: 104931

Ion Ratio Lower Upper

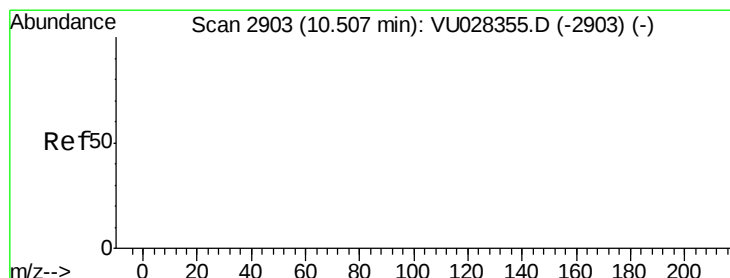
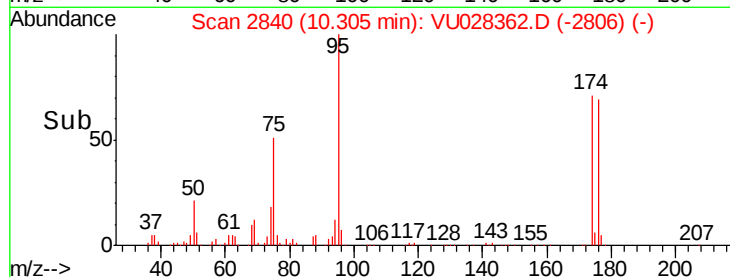
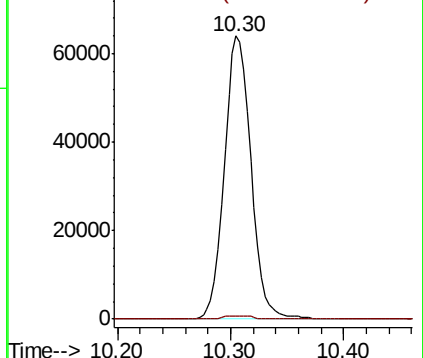
75 100

77 1.3 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: 64.940 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

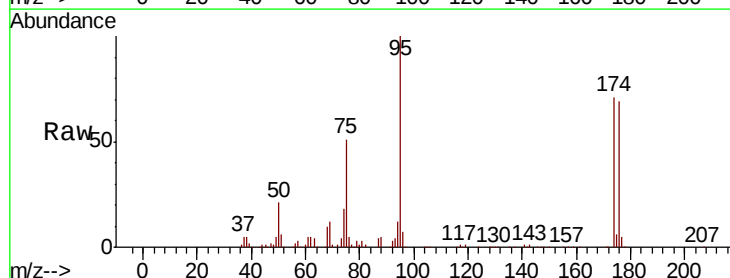
Tgt Ion: 75 Resp: 104931

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

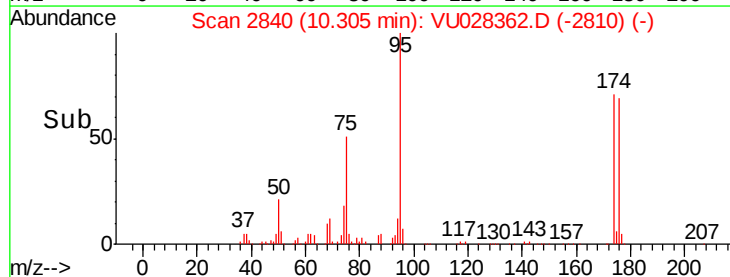
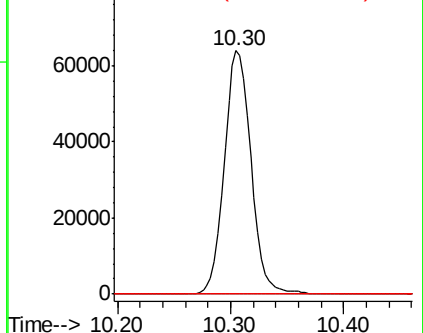
89 0.0 0.0 0.0

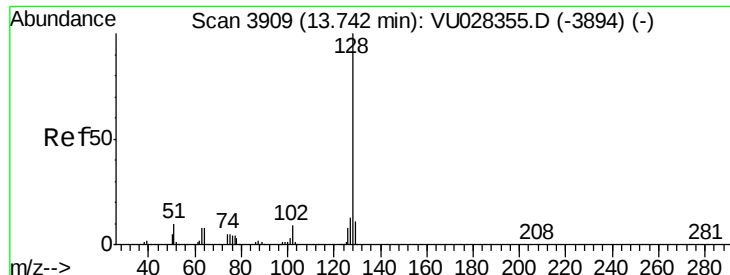


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 2.882 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU028362.D

Acq: 28 Nov 2018 13:42

Instrument :

MSVOA_U

ClientSampleId :

S32-EB-2018-3

Tot Ion:128 Resp: 645

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

