

Data File : VU027550.D
Acq On : 10 Oct 2018 02:35
Operator : MD/SY
Sample : J5329-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
POND-1

Quant Time: Oct 10 06:04:17 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	134337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	233617	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	215040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	93544	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	106693	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	4.89	113	75888	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	7.57	98	303219	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	10.31	95	100201	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	

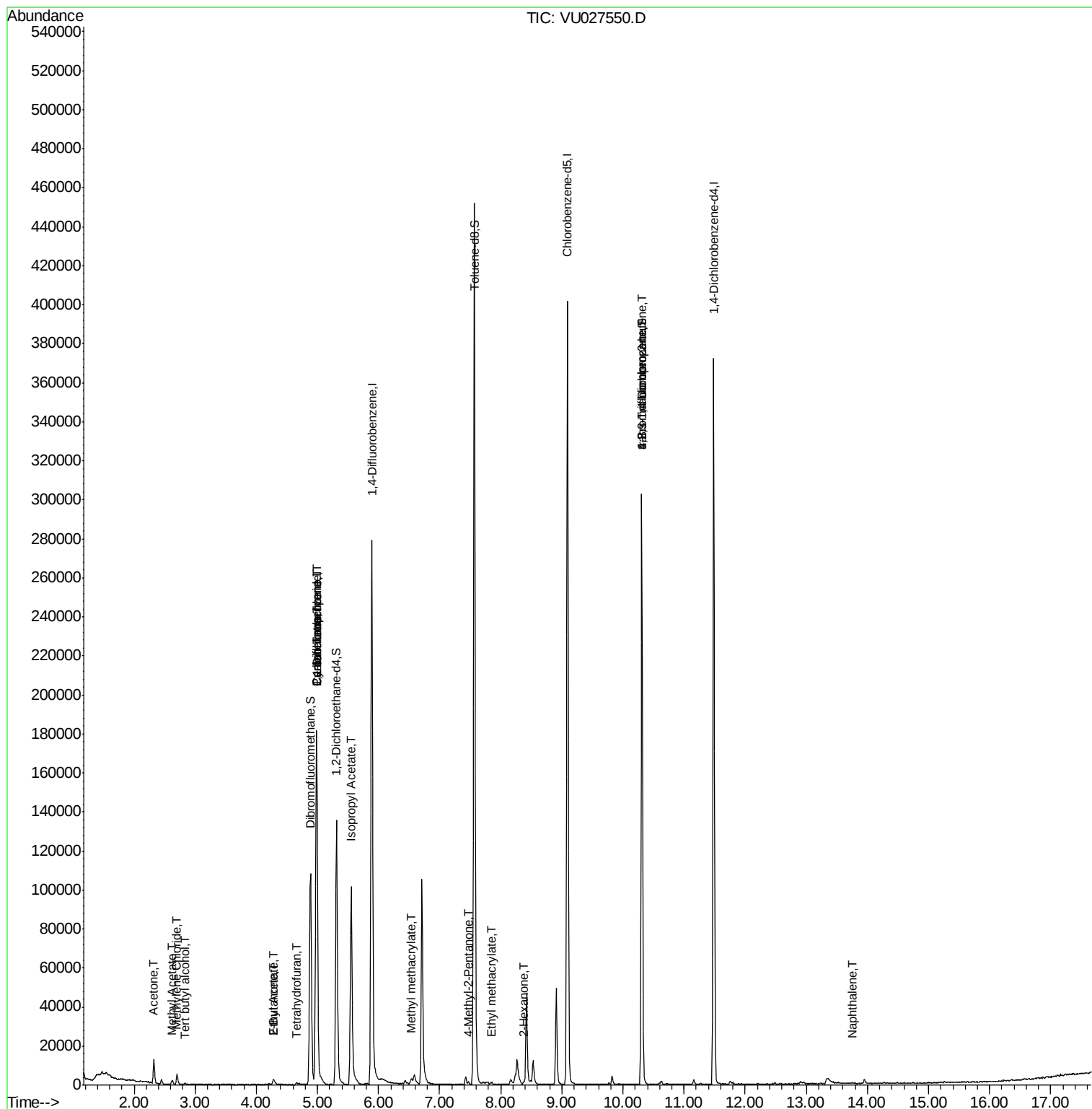
Target Compounds				Qvalue		
11) Tert butyl alcohol	2.83	59	911	1.929	ug/l #	72
16) Acetone	2.32	43	13175	9.942	ug/l	98
18) Methyl Acetate	2.62	43	2896	0.958	ug/l #	89
20) Methylene Chloride	2.70	84	2294	1.243	ug/l	95
25) 2-Butanone	4.28	43	5305	2.936	ug/l	98
29) Tetrahydrofuran	4.66	42	898	0.789	ug/l #	70
31) Cyclohexane	4.98	56	3111	0.630	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	12099	4.770	ug/l #	50
37) Ethyl Acetate	4.28	43	5305	1.618	ug/l #	70
38) Carbon Tetrachloride	4.99	117	13423	5.858	ug/l #	17
43) Isopropyl Acetate	5.55	43	124126	24.379	ug/l	99
48) Methyl methacrylate	6.54	41	5492	2.169	ug/l #	20
51) 4-Methyl-2-Pentanone	7.47	43	900	0.272	ug/l	94
56) Ethyl methacrylate	7.84	69	90	2.297	ug/l #	1
59) 2-Hexanone	8.38	43	849	0.331	ug/l	80
76) 1,2,3-Trichloropropane	10.31	75	52708	21.736	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	52708	56.886	ug/l #	100
95) Naphthalene	13.77	128	314	1.703	ug/l #	69

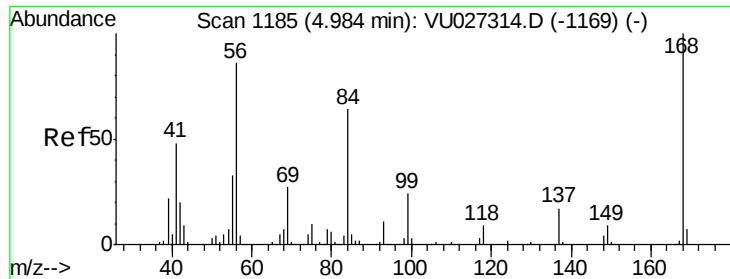
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

Instrument :

MSVOA_U

ClientSampleId :

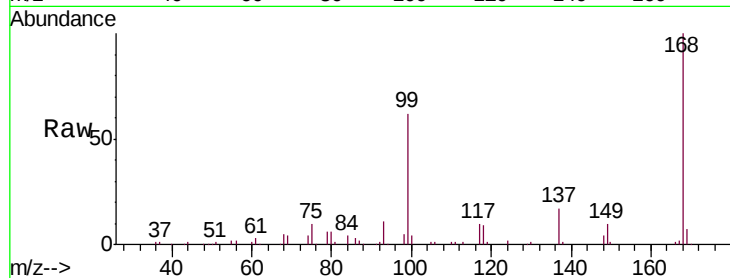
POND-1

Tgt Ion:168 Resp: 134337

Ion Ratio Lower Upper

168 100

99 61.5 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) (-)

4.99

60000

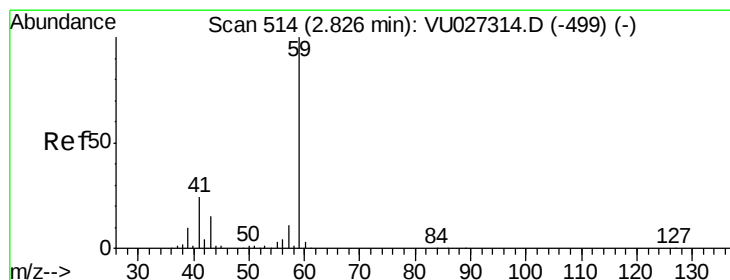
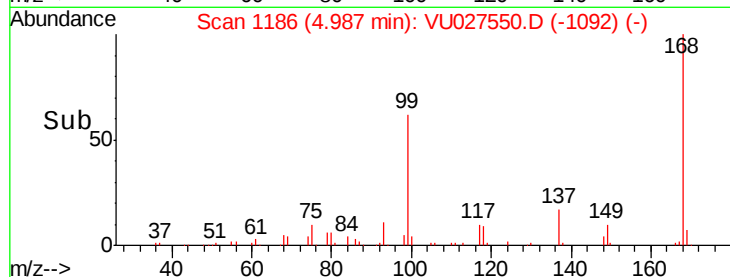
40000

20000

0

4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.929 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU027550.D

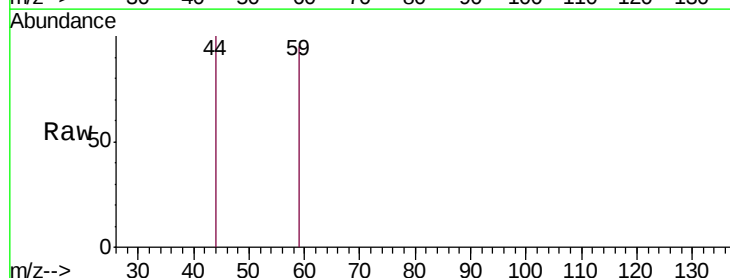
Acq: 10 Oct 2018 02:35

Tgt Ion: 59 Resp: 911

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.83

400

300

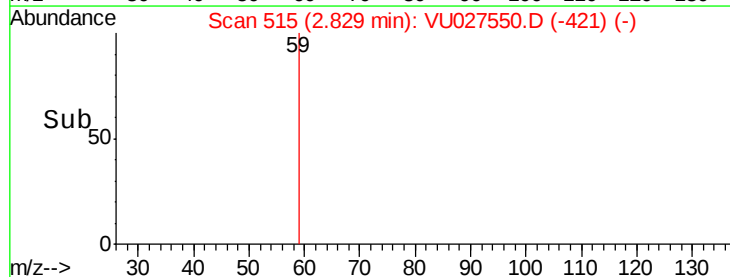
200

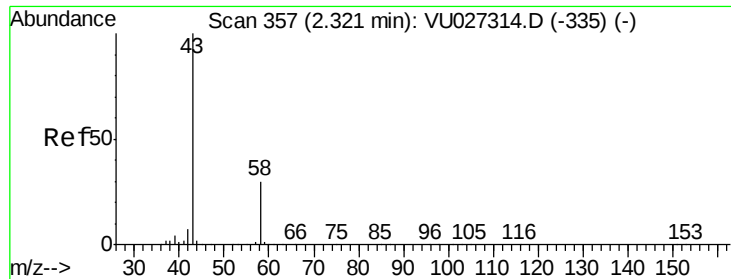
100

0

2.80 2.85

Time-->





#16

Acetone

Concen: 9.942 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

Instrument :

MSVOA_U

ClientSampleId :

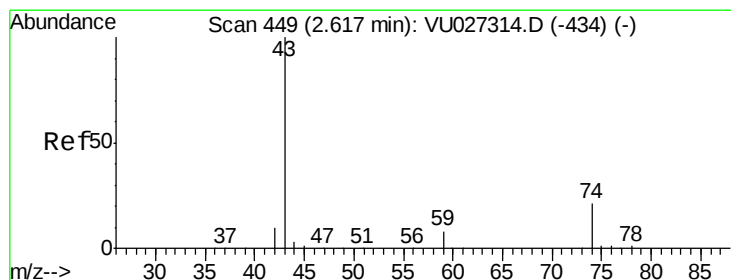
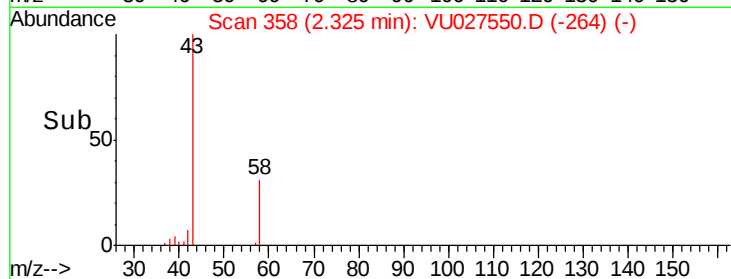
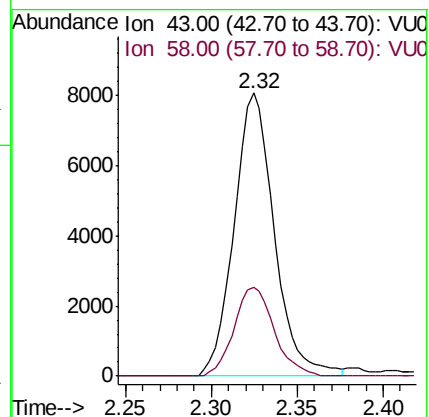
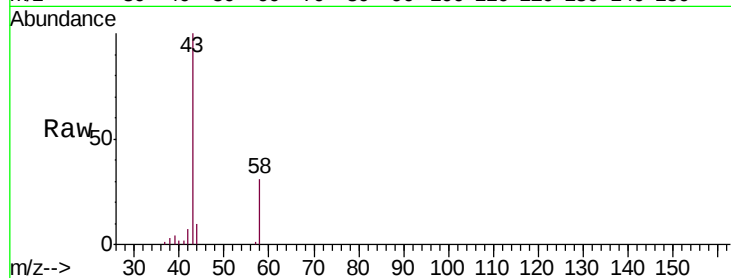
POND-1

Tgt Ion: 43 Resp: 13175

Ion Ratio Lower Upper

43 100

58 31.3 24.2 36.4



#18

Methyl Acetate

Concen: 0.958 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027550.D

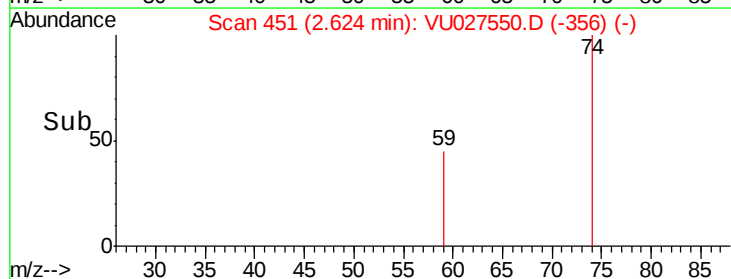
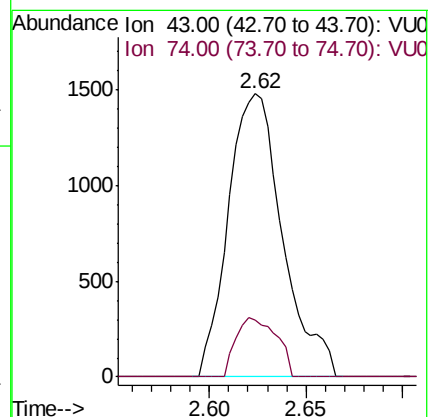
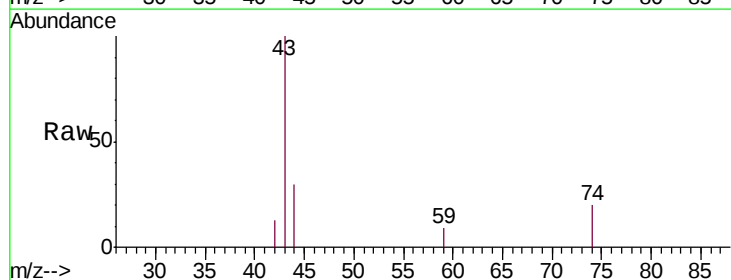
Acq: 10 Oct 2018 02:35

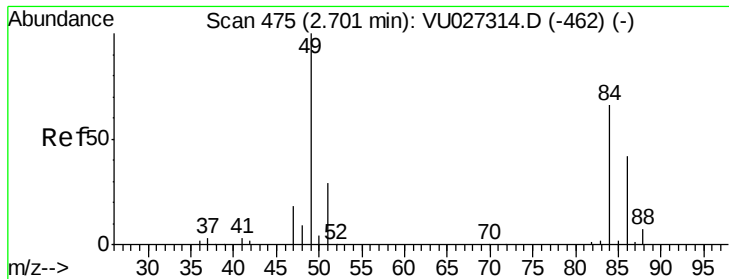
Tgt Ion: 43 Resp: 2896

Ion Ratio Lower Upper

43 100

74 15.5 16.5 24.7#

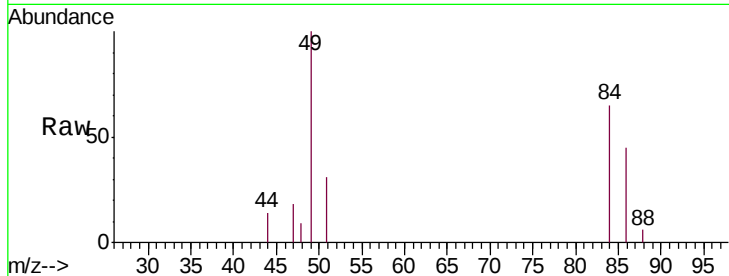




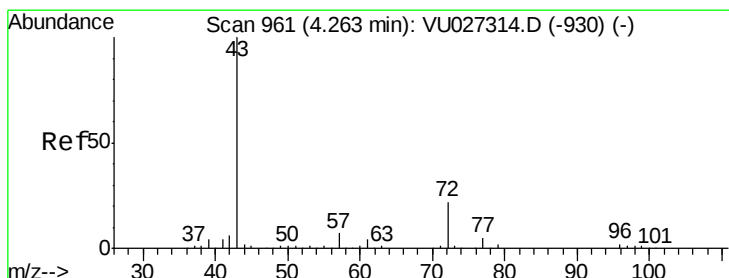
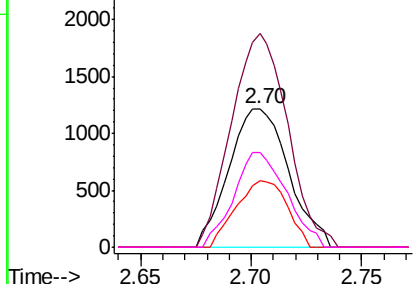
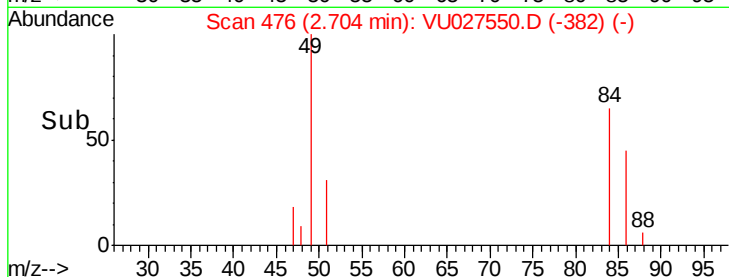
#20
Methylene Chloride
Concen: 1.243 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

Instrument :
MSVOA_U
ClientSampleId :
POND-1

Tgt Ion: 84 Resp: 2294
Ion Ratio Lower Upper
84 100
49 154.2 120.5 180.7
51 47.8 35.1 52.7
86 68.9 50.5 75.7

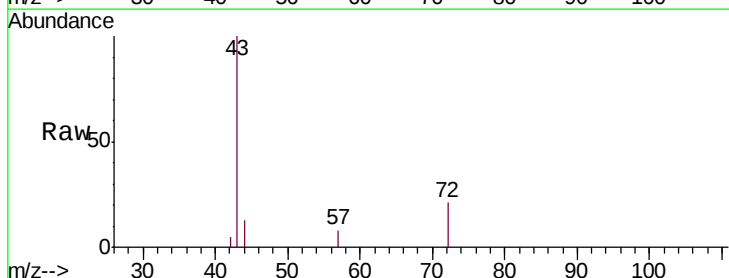


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

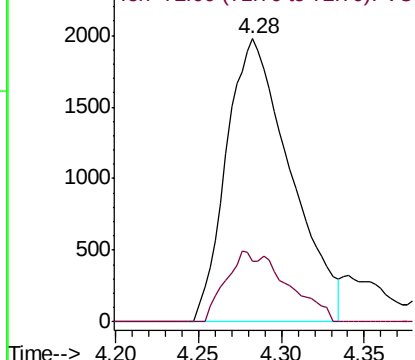
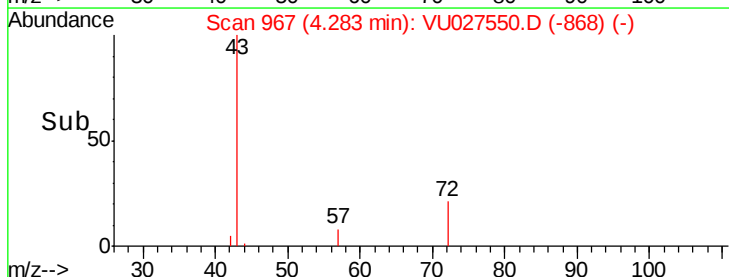


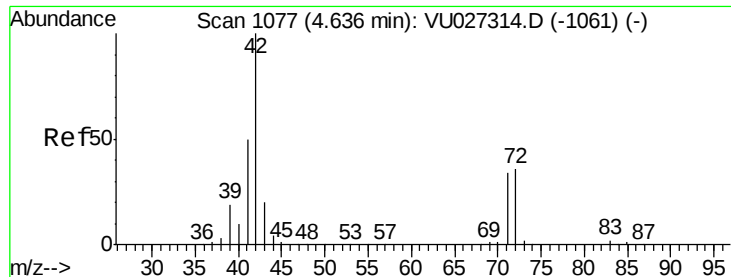
#25
2-Butanone
Concen: 2.936 ug/l
RT: 4.28 min Scan# 967
Delta R.T. 0.02 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

Tgt Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
72 21.4 17.8 26.6



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





#29

Tetrahydrofuran

Concen: 0.789 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

Instrument :

MSVOA_U

ClientSampleId :

POND-1

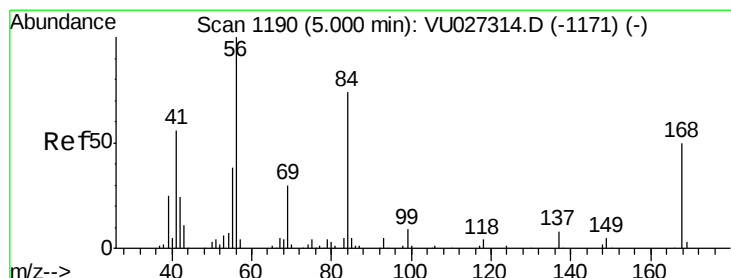
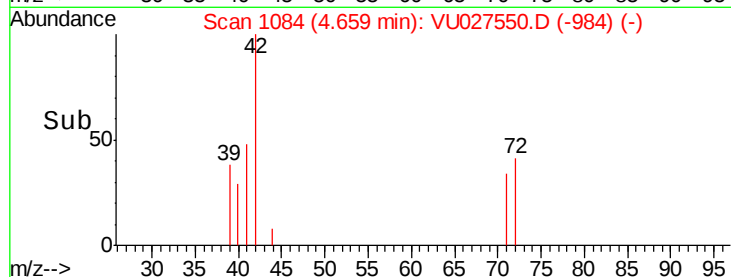
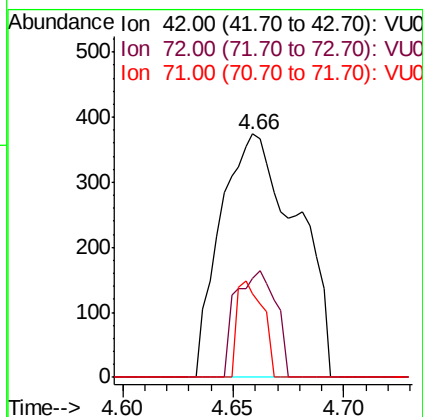
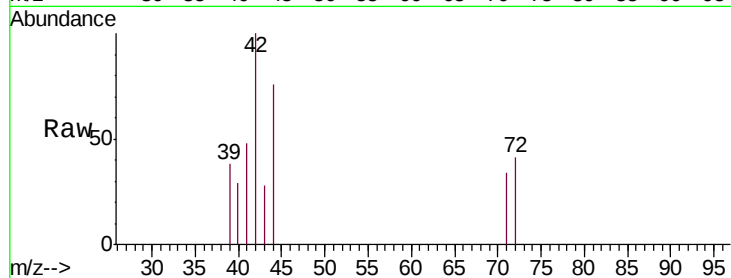
Tgt Ion: 42 Resp: 898

Ion Ratio Lower Upper

42 100

72 23.3 30.1 45.1#

71 13.5 27.7 41.5#



#31

Cyclohexane

Concen: 0.630 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

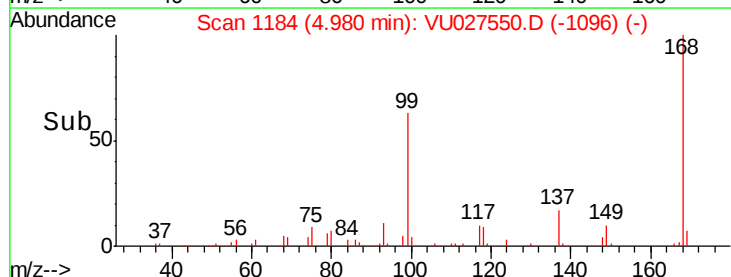
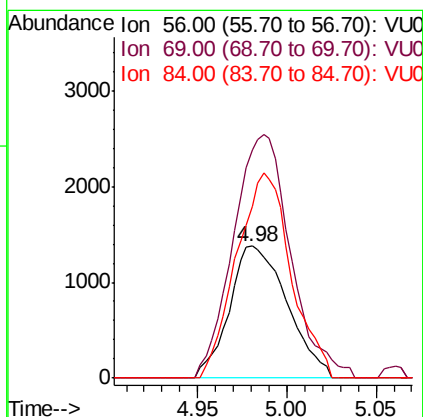
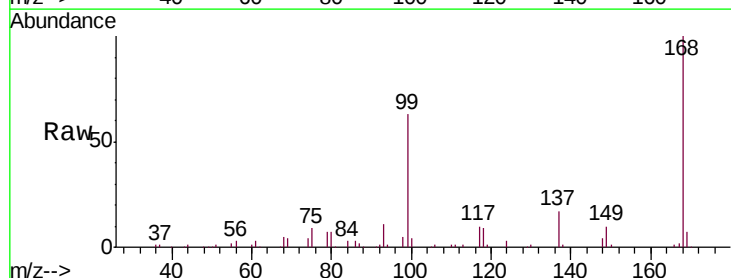
Tgt Ion: 56 Resp: 3111

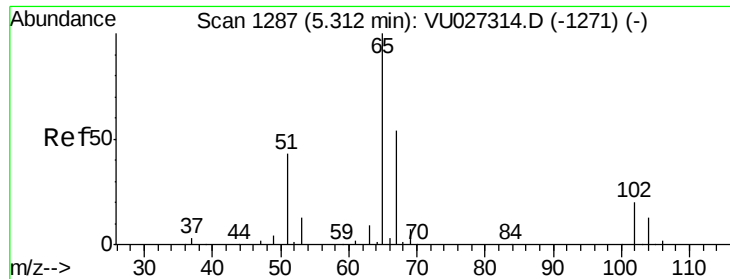
Ion Ratio Lower Upper

56 100

69 173.1 24.1 36.1#

84 130.3 59.1 88.7#





#33

1,2-Dichloroethane-d4

Concen: 47.563 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

Instrument :

MSVOA_U

ClientSampled :

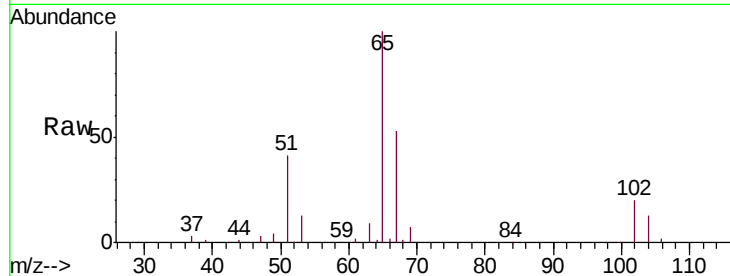
POND-1

Tgt Ion: 65 Resp: 106693

Ion Ratio Lower Upper

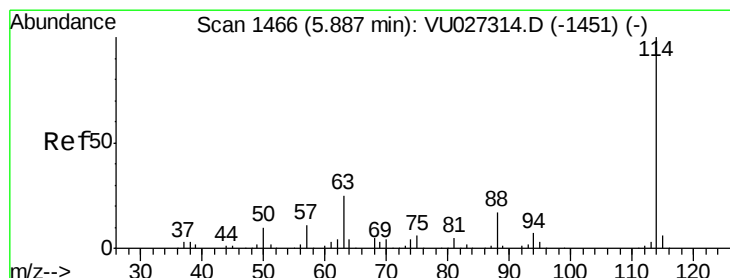
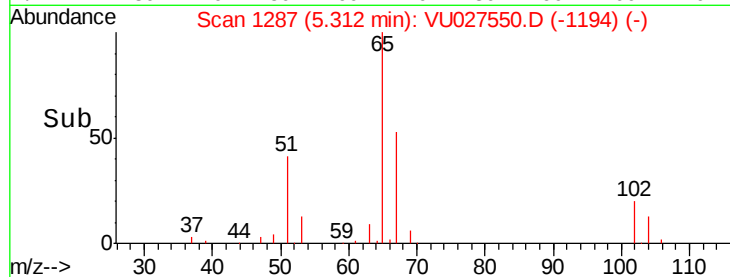
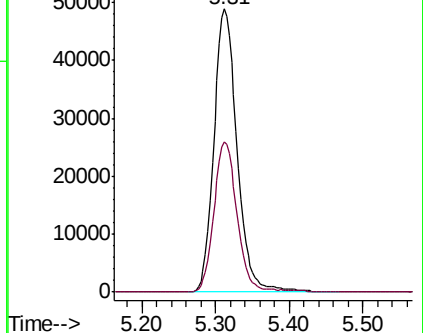
65 100

67 52.6 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU027314.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU027314.D (-1271) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

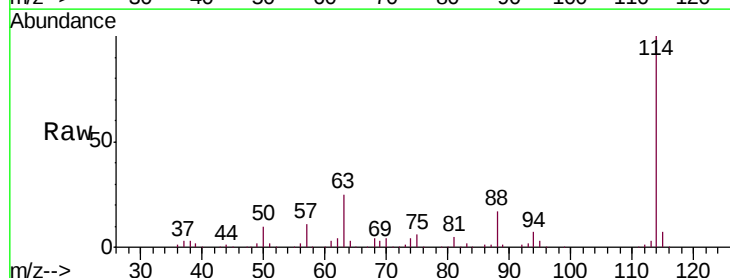
Tgt Ion: 114 Resp: 233617

Ion Ratio Lower Upper

114 100

63 25.4 0.0 50.2

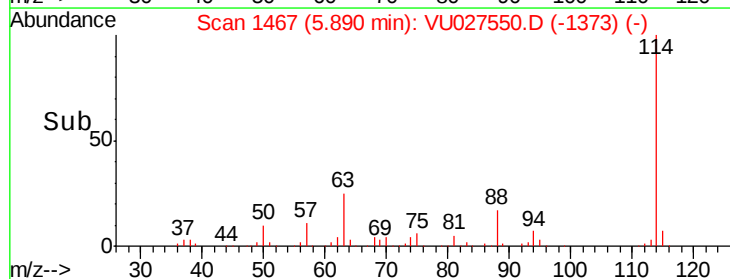
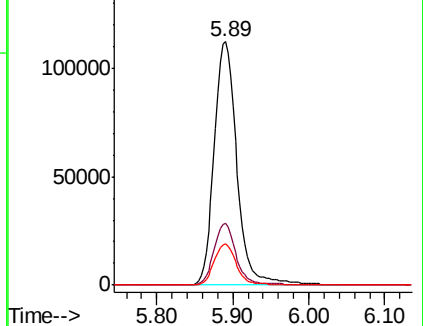
88 17.0 0.0 33.8

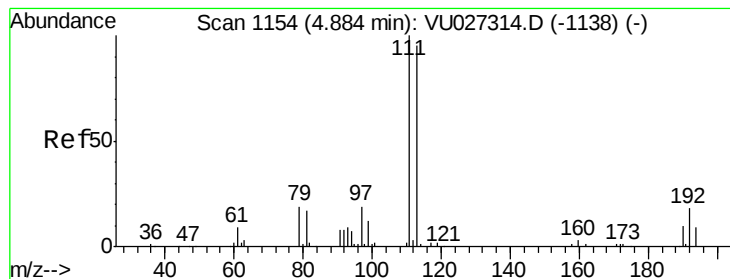


Abundance Ion 113.90 (113.60 to 114.60): VU027314.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU027314.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU027314.D (-1451) (-)





#35

Dibromofluoromethane

Concen: 47.399 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

Instrument :

MSVOA_U

ClientSampleId :

POND-1

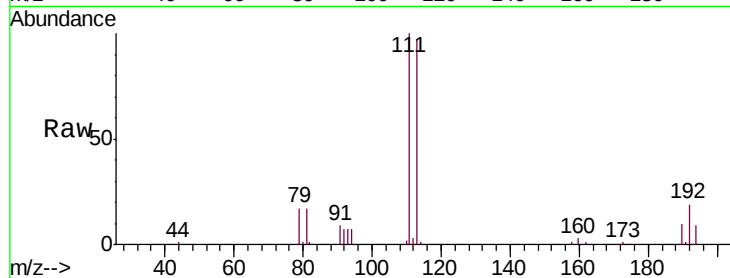
Tgt Ion:113 Resp: 75888

Ion Ratio Lower Upper

113 100

111 102.2 83.1 124.7

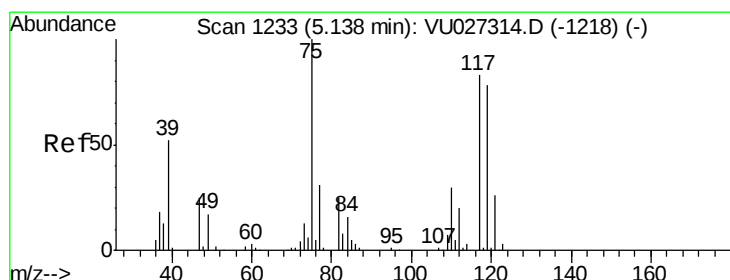
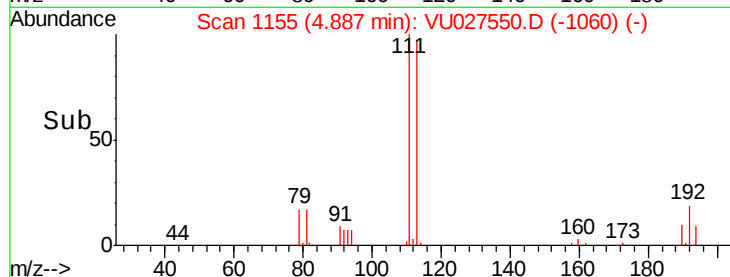
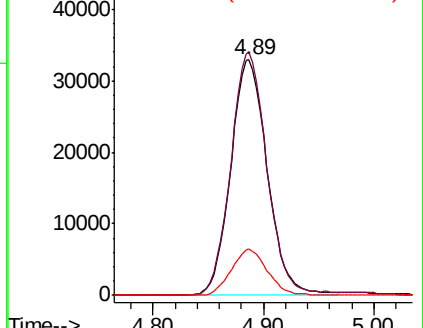
192 19.1 15.4 23.0



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: 4.770 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

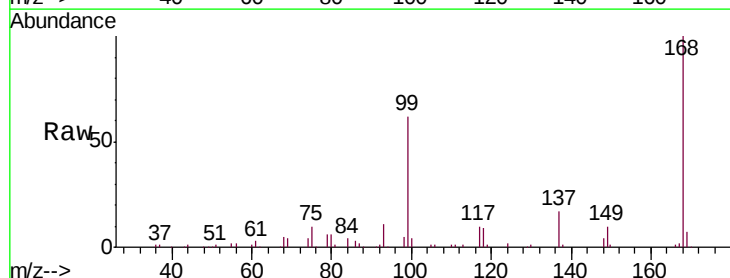
Tgt Ion: 75 Resp: 12099

Ion Ratio Lower Upper

75 100

110 7.1 15.5 46.5#

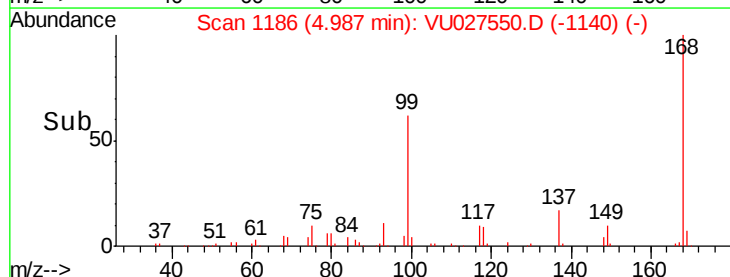
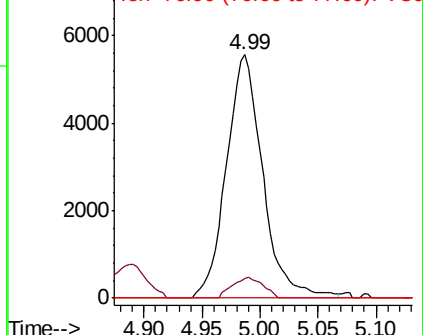
77 0.0 25.4 38.0#

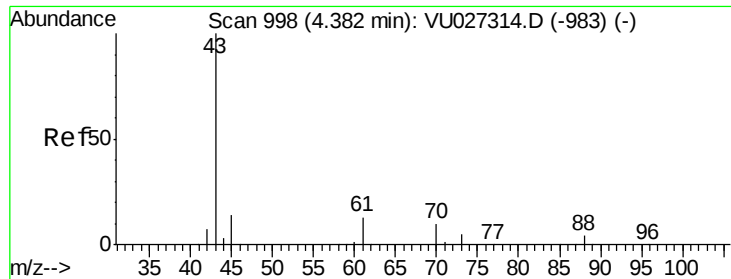


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

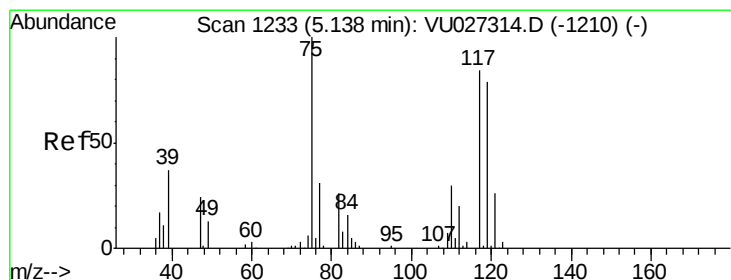
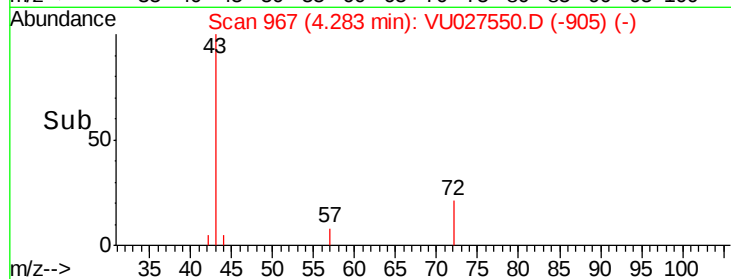
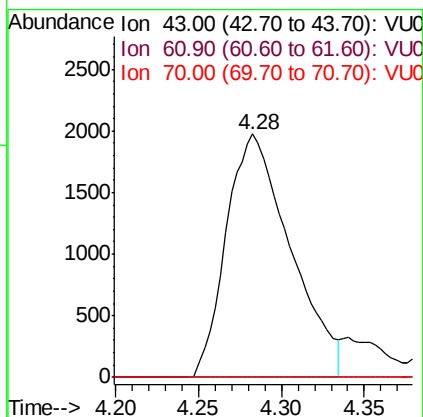
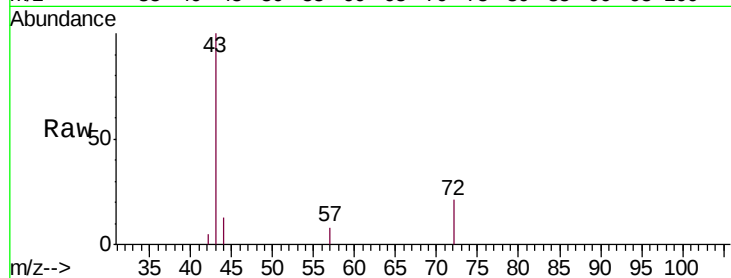




#37
Ethyl Acetate
Concen: 1.618 ug/l
RT: 4.28 min Scan# 967
Delta R.T. -0.10 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

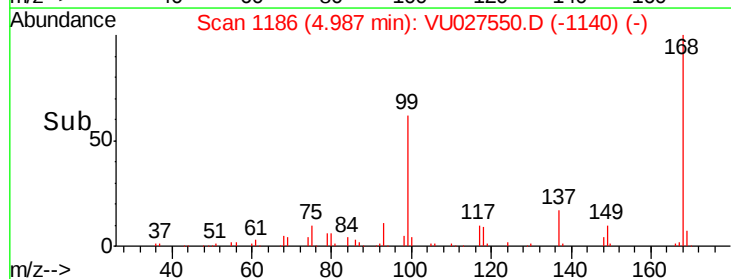
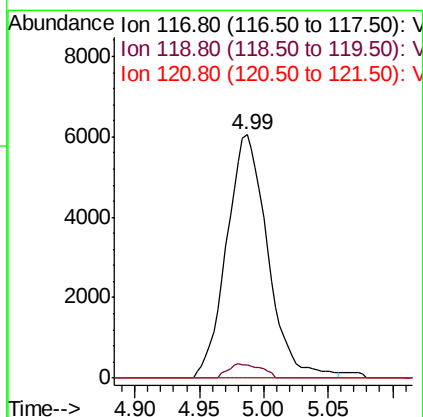
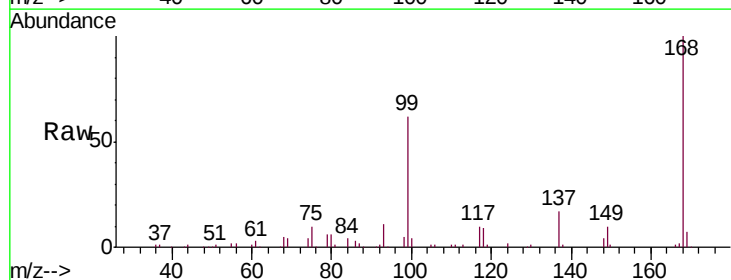
Instrument :
MSVOA_U
ClientSampled :
POND-1

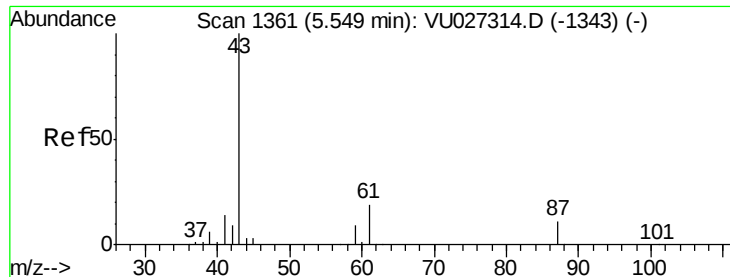
Tgt Ion: 43 Resp: 5305
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 5.858 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

Tgt Ion: 117 Resp: 13423
Ion Ratio Lower Upper
117 100
119 5.4 74.5 111.7#
121 0.0 24.6 37.0#

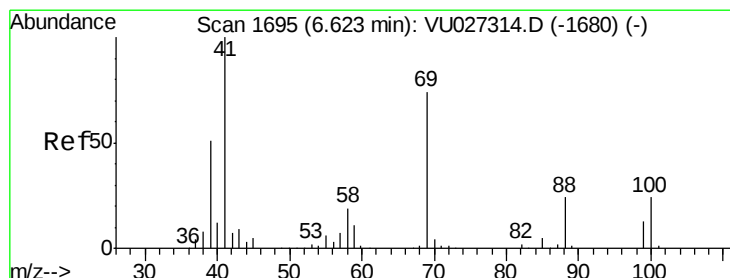
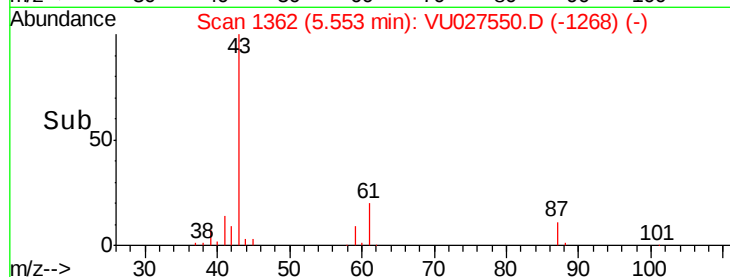
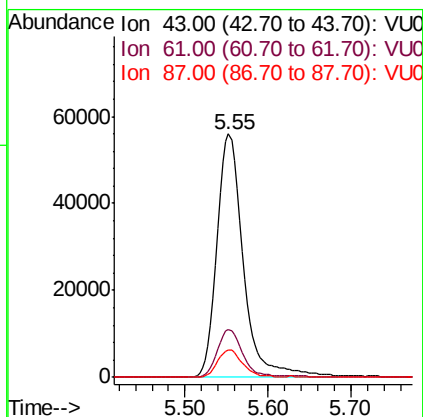
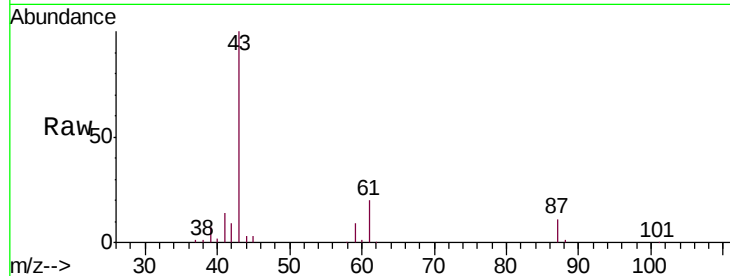




#43
Isopropyl Acetate
Concen: 24.379 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

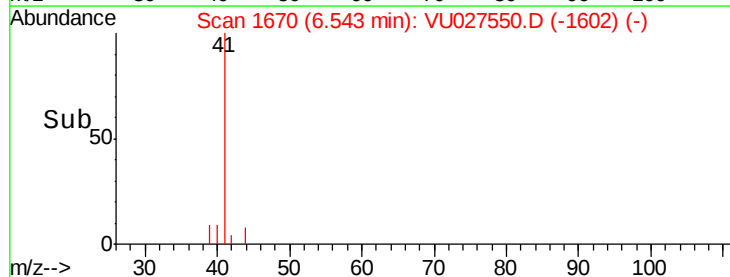
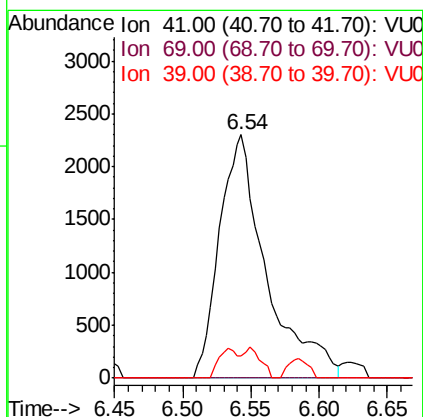
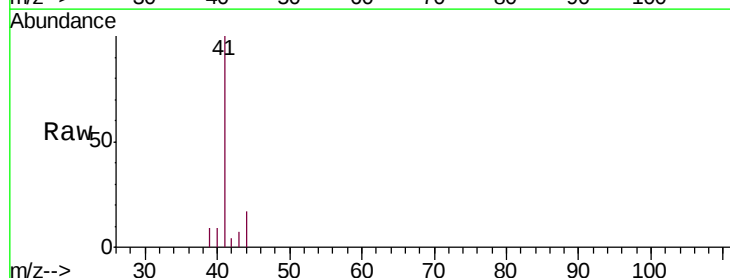
Instrument :
MSVOA_U
ClientSampled :
POND-1

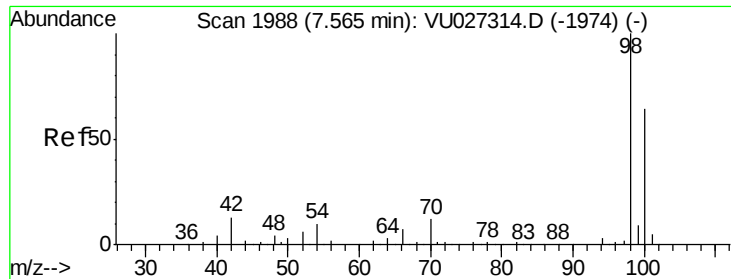
Tgt Ion: 43 Resp: 124126
Ion Ratio Lower Upper
43 100
61 18.9 15.3 22.9
87 10.5 8.6 13.0



#48
Methyl methacrylate
Concen: 2.169 ug/l
RT: 6.54 min Scan# 1670
Delta R.T. -0.08 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

Tgt Ion: 41 Resp: 5492
Ion Ratio Lower Upper
41 100
69 0.0 61.0 91.4#
39 4.3 39.9 59.9#





#50

Toluene-d8

Concen: 50.602 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

Instrument :

MSVOA_U

ClientSampleId :

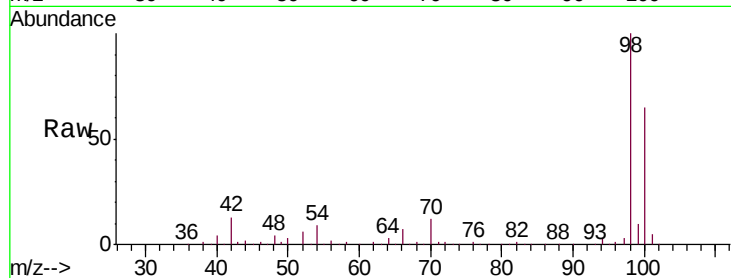
POND-1

Tgt Ion: 98 Resp: 303219

Ion Ratio Lower Upper

98 100

100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027314.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027314.D (-1974) (-)

7.57

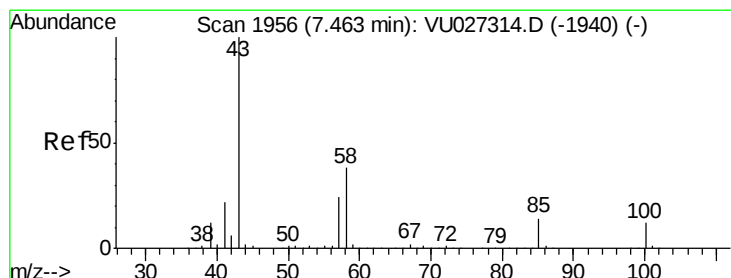
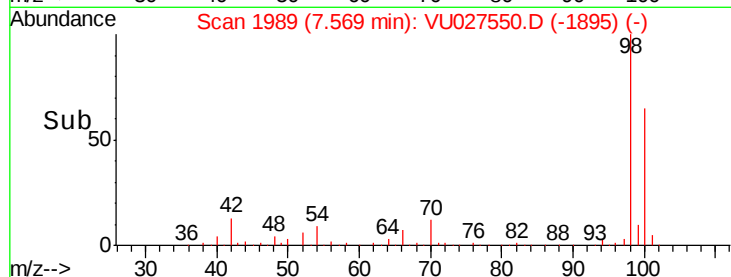
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.272 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VU027550.D

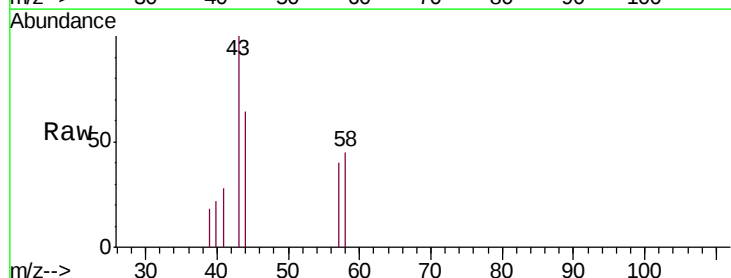
Acq: 10 Oct 2018 02:35

Tgt Ion: 43 Resp: 900

Ion Ratio Lower Upper

43 100

58 41.1 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-1940) (-)

1000

800

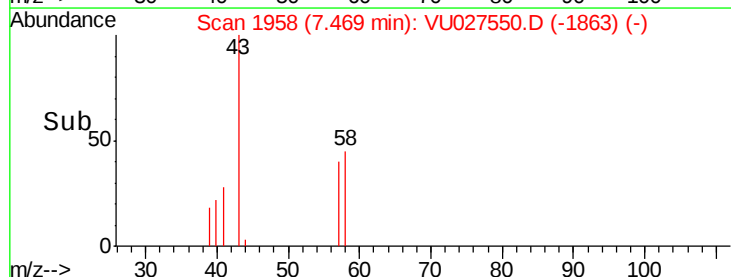
600

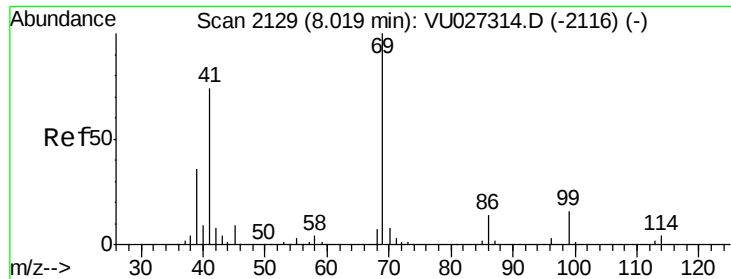
400

200

0

Time-->

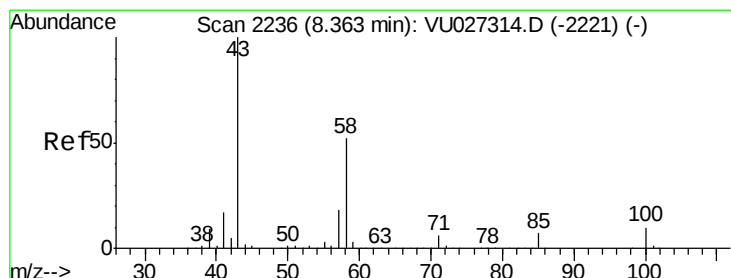
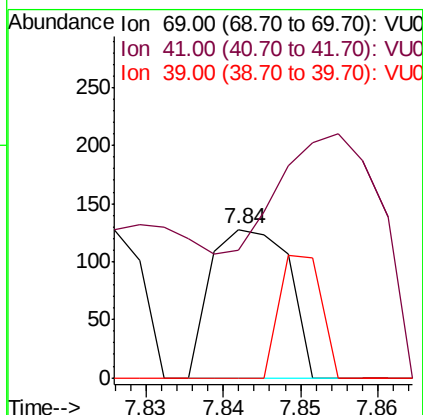
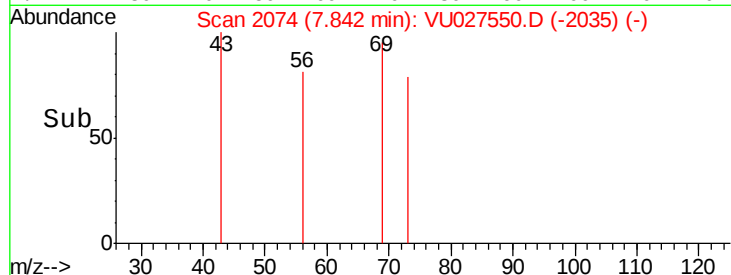
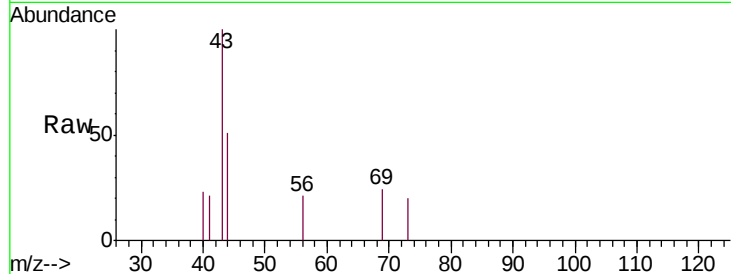




#56
Ethyl methacrylate
Concen: 2.297 ug/l
RT: 7.84 min Scan# 2074
Delta R.T. -0.18 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

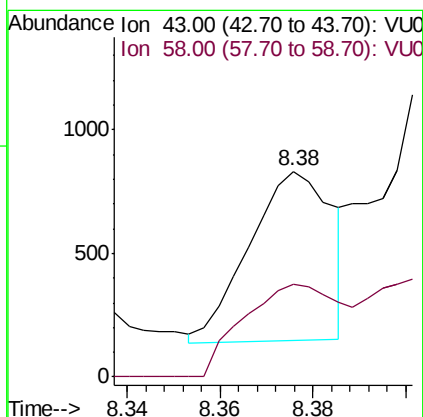
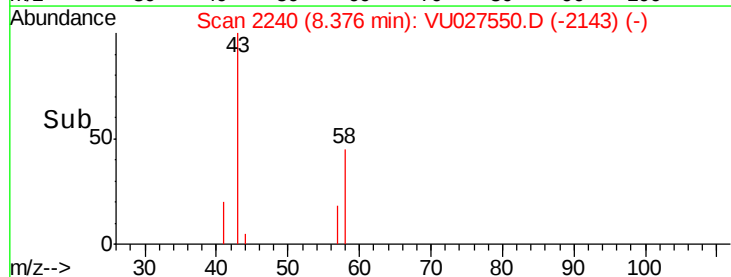
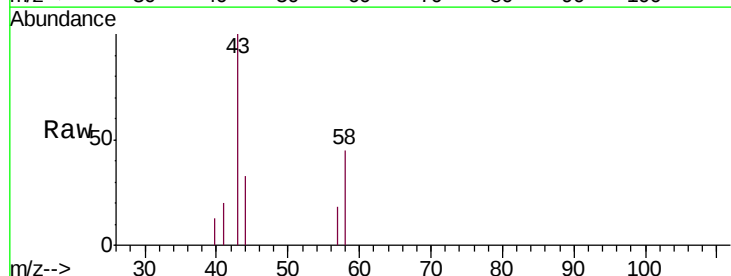
Instrument :
MSVOA_U
ClientSampleId :
POND-1

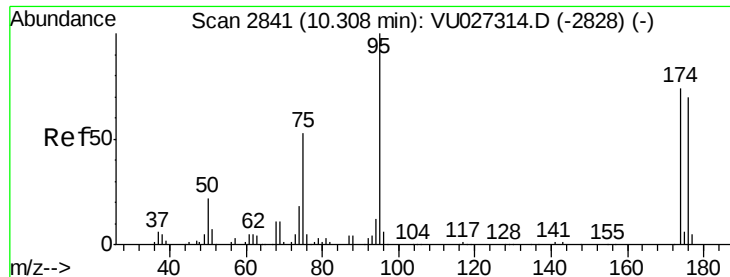
Tgt Ion: 69 Resp: 90
Ion Ratio Lower Upper
69 100
41 251.1 60.0 90.0#
39 44.4 29.5 44.3#



#59
2-Hexanone
Concen: 0.331 ug/l
RT: 8.38 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
58 66.1 26.1 78.3





#62

4-Bromofluorobenzene

Concen: 44.995 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

Instrument :

MSVOA_U

ClientSampleId :

POND-1

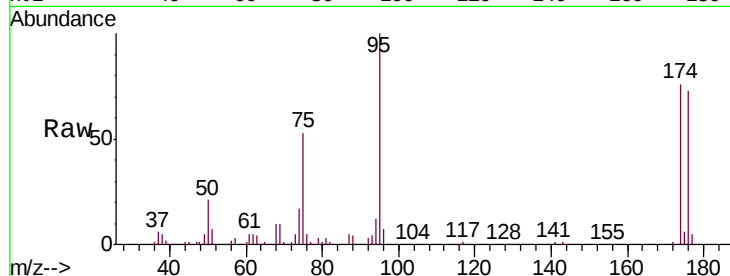
Tgt Ion: 95 Resp: 100201

Ion Ratio Lower Upper

95 100

174 76.9 0.0 147.8

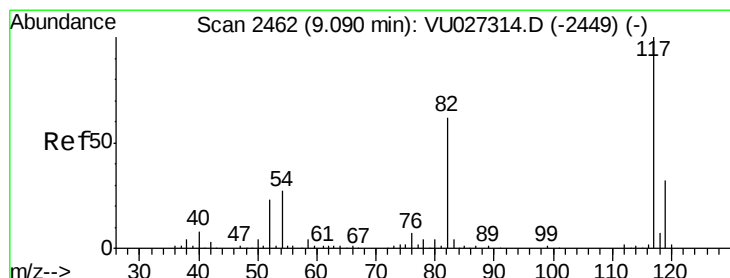
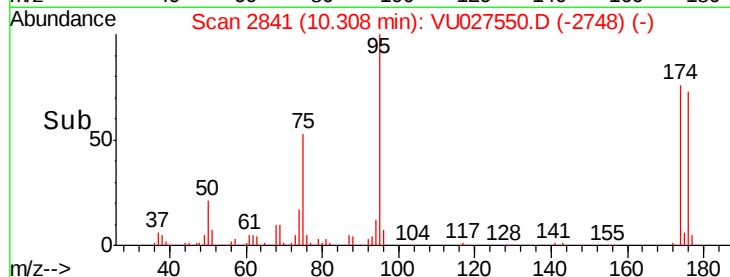
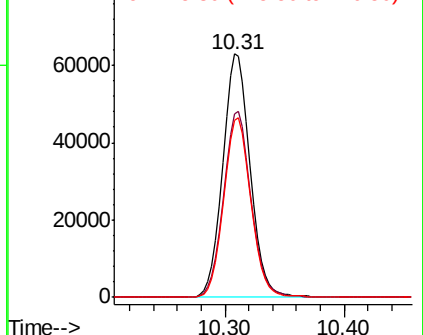
176 73.5 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

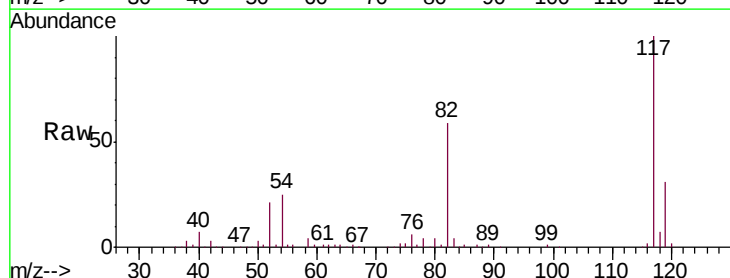
Tgt Ion: 117 Resp: 215040

Ion Ratio Lower Upper

117 100

82 58.6 49.2 73.8

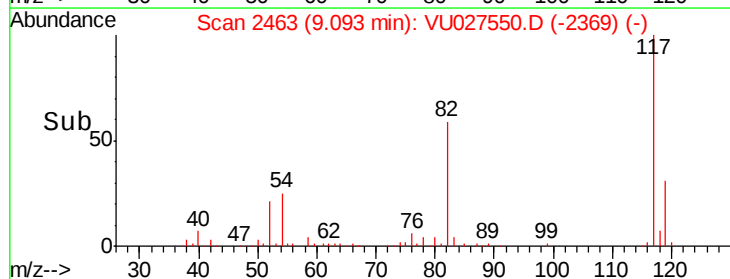
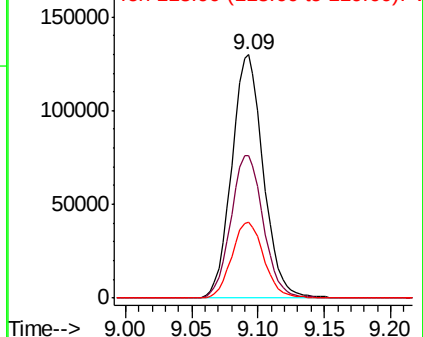
119 31.2 25.7 38.5

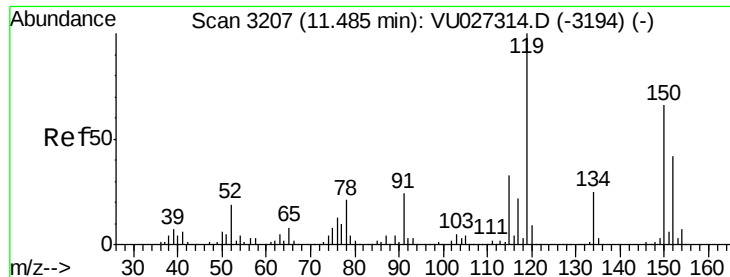


Abundance Ion 116.90 (116.60 to 117.60): VU027314.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU027314.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU027314.D (-2449) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027550.D

Acq: 10 Oct 2018 02:35

Instrument :

MSVOA_U

ClientSampleId :

POND-1

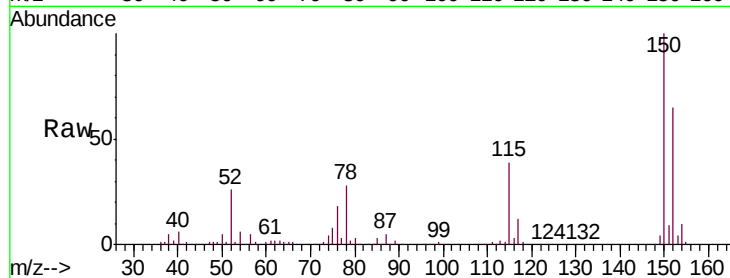
Tgt Ion: 152 Resp: 93544

Ion Ratio Lower Upper

152 100

115 59.1 43.4 130.2

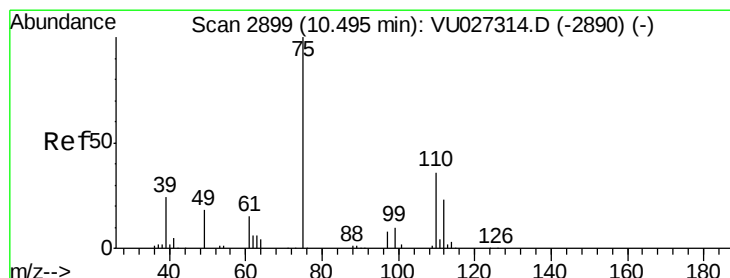
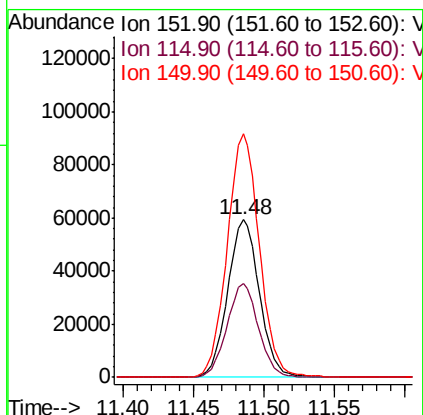
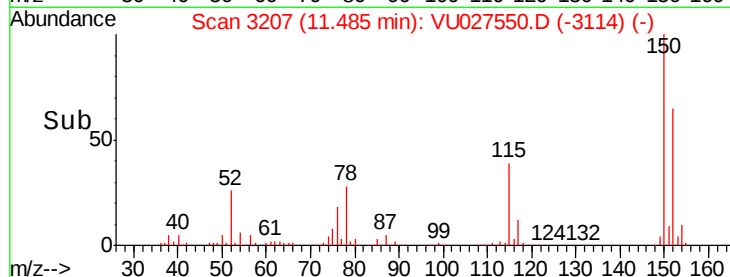
150 156.0 0.0 349.2



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: 21.736 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027550.D

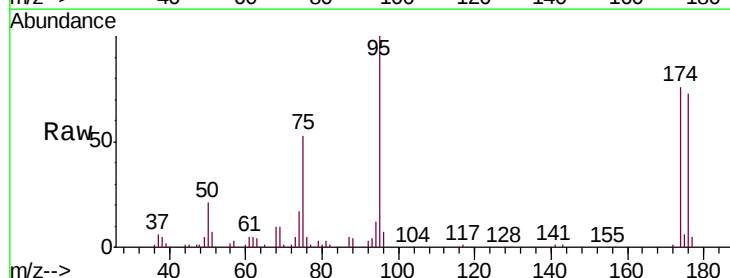
Acq: 10 Oct 2018 02:35

Tgt Ion: 75 Resp: 52708

Ion Ratio Lower Upper

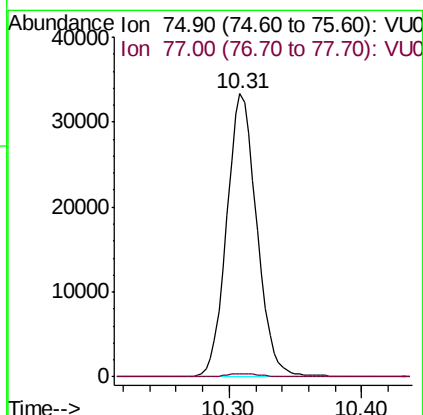
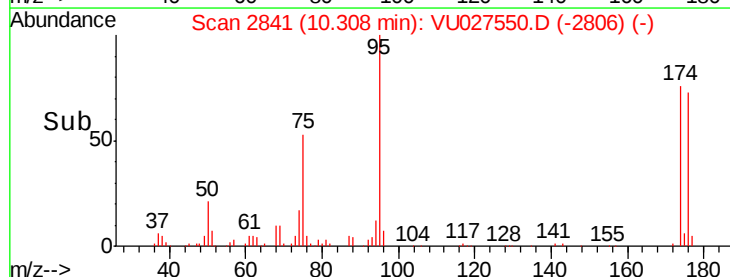
75 100

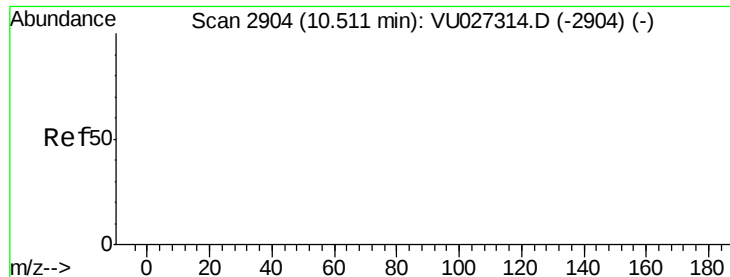
77 1.3 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

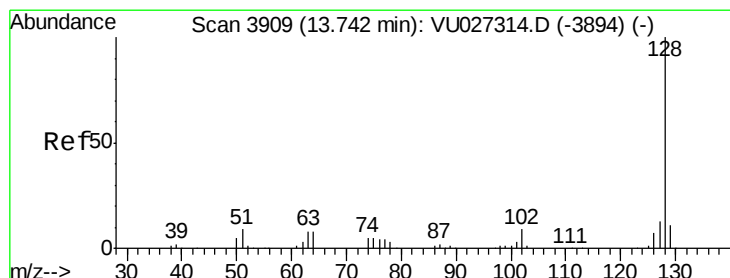
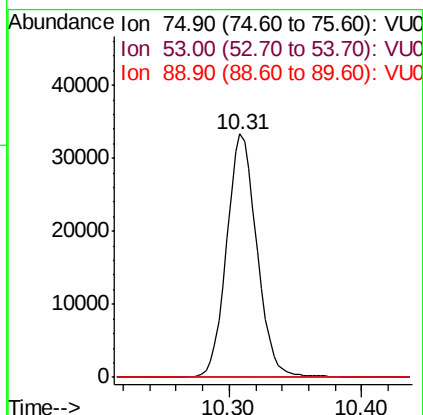
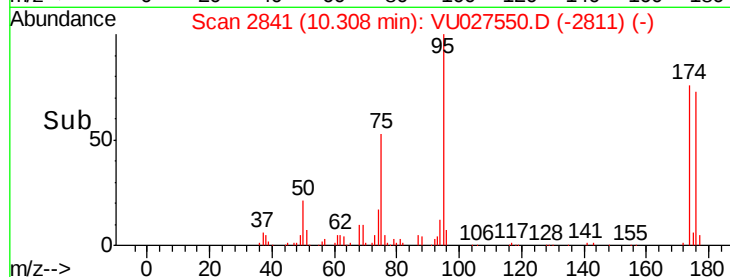
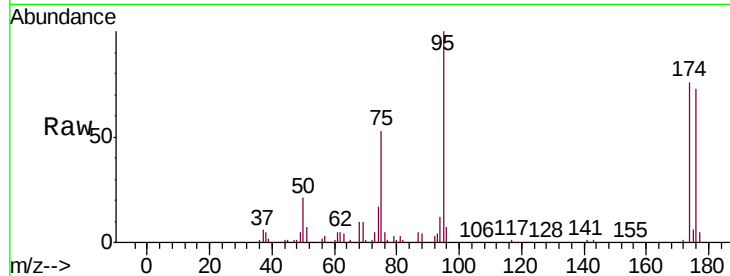




#81
trans-1,4-Dichloro-2-butene
Concen: 56.886 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

Instrument :
MSVOA_U
ClientSampleId :
POND-1

Tgt Ion: 75 Resp: 52708
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 1.703 ug/l
RT: 13.77 min Scan# 3917
Delta R.T. 0.03 min
Lab File: VU027550.D
Acq: 10 Oct 2018 02:35

Tgt Ion: 128 Resp: 314
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 12.8#

