

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112918\
 Data File : VU028405.D
 Acq On : 29 Nov 2018 19:39
 Operator : MD/SY
 Sample : J6134-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1

Quant Time: Nov 30 12:07:56 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	255021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	492539	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	466780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	232351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	225678	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	4.88	113	160866	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	7.57	98	653509	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	10.30	95	247974	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	

Target Compounds

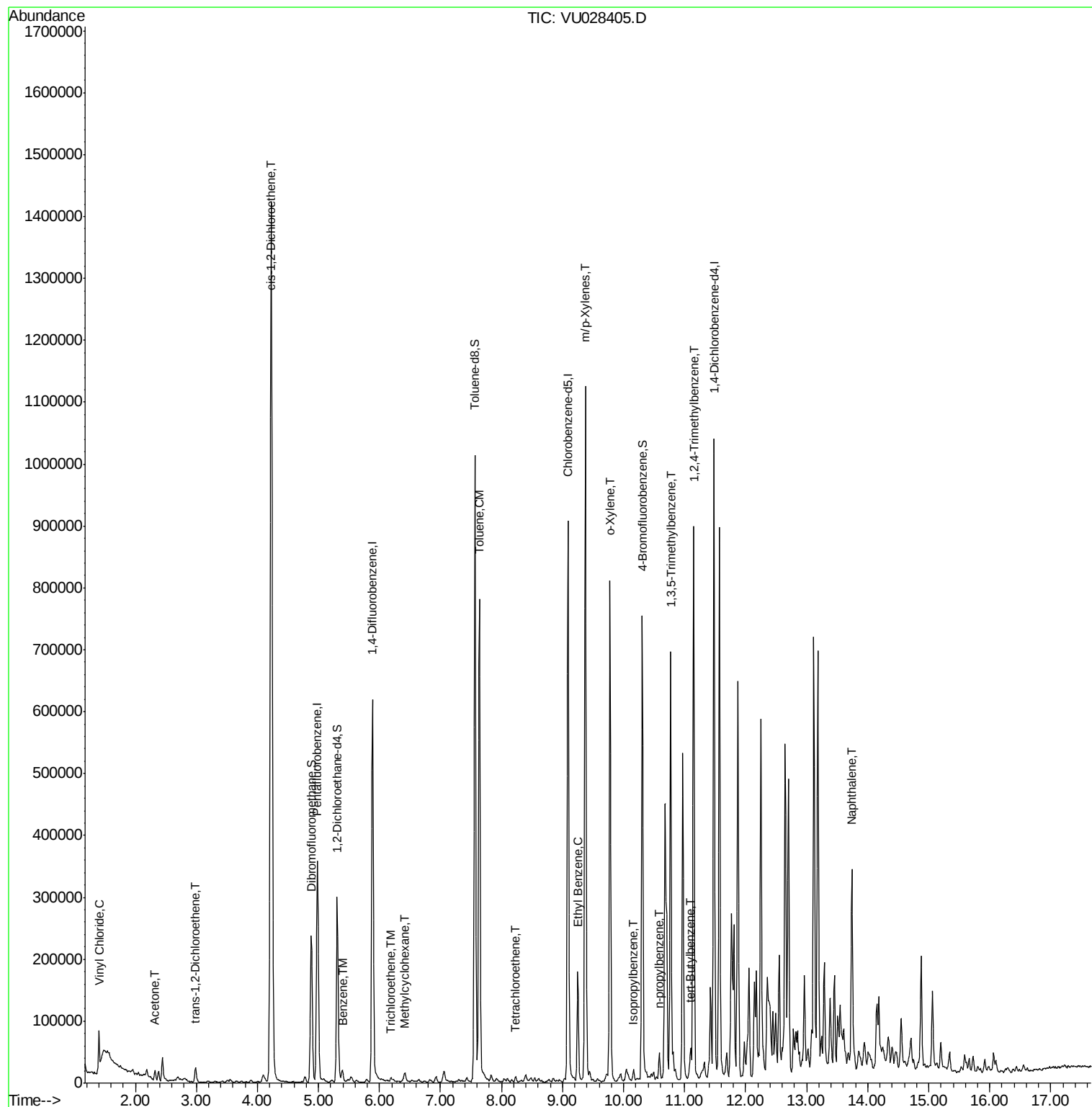
						Qvalue
4) Vinyl Chloride	1.41	62	36434	7.853	ug/l #	72
16) Acetone	2.32	43	18511	7.100	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	7396	2.341	ug/l	89
27) cis-1,2-Dichloroethene	4.22	96	738707	197.690	ug/l	88
39) Methylcyclohexane	6.41	83	5400	0.850	ug/l	91
40) Benzene	5.39	78	18280	1.145	ug/l	99
44) Trichloroethene	6.19	130	1660	0.485	ug/l	55
52) Toluene	7.64	92	317440	34.533	ug/l	99
64) Tetrachloroethene	8.23	164	1680	0.547	ug/l #	72
67) Ethyl Benzene	9.25	91	121687	6.666	ug/l	98
68) m/p-Xylenes	9.37	106	297778	45.320	ug/l	100
69) o-Xylene	9.78	106	200257	30.659	ug/l	99
73) Isopropylbenzene	10.17	105	11527	0.638	ug/l	95
78) n-propylbenzene	10.58	91	32451	1.456	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	349903	22.977	ug/l	100
83) tert-Butylbenzene	11.10	119	18937	1.334	ug/l	88
84) 1,2,4-Trimethylbenzene	11.15	105	470970	30.534	ug/l	100
95) Naphthalene	13.74	128	211694	13.047	ug/l	98

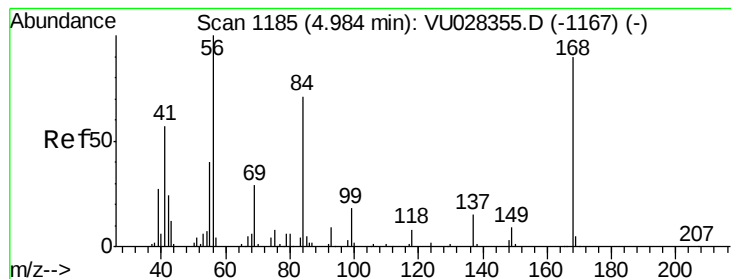
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU112918\
Data File : VU028405.D
Acq On : 29 Nov 2018 19:39
Operator : MD/SY
Sample : J6134-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DUP-1

Quant Time: Nov 30 12:07:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

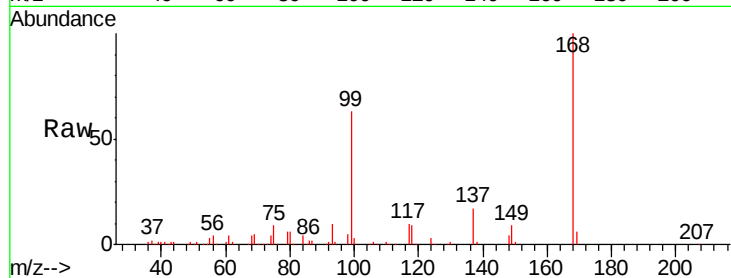
DUP-1

Tgt Ion:168 Resp: 255021

Ion Ratio Lower Upper

168 100

99 63.0 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

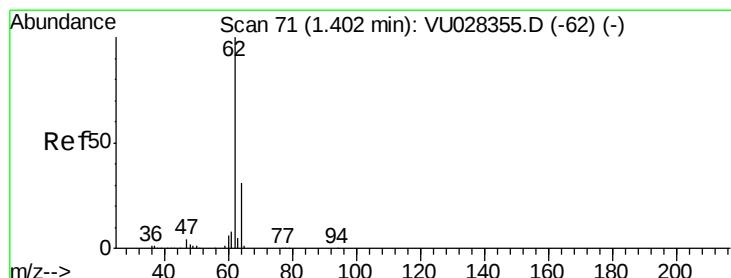
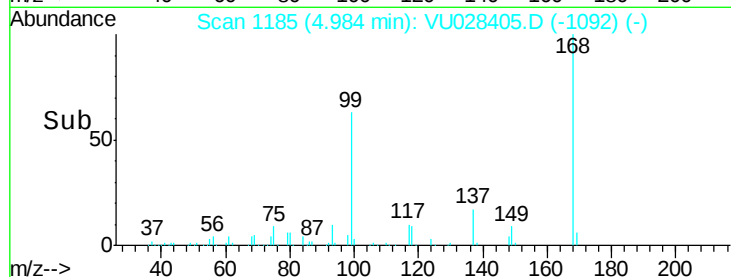
100000

50000

0

4.90 5.00 5.10

Time-->



#4

Vinyl Chloride

Concen: 7.853 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028405.D

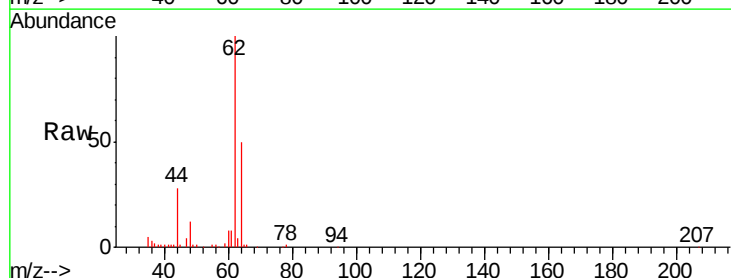
Acq: 29 Nov 2018 19:39

Tgt Ion: 62 Resp: 36434

Ion Ratio Lower Upper

62 100

64 46.4 25.0 37.4#



Abundance Ion 61.90 (61.60 to 62.60): VU028355.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU028355.D (-62) (-)

1.41

40000

30000

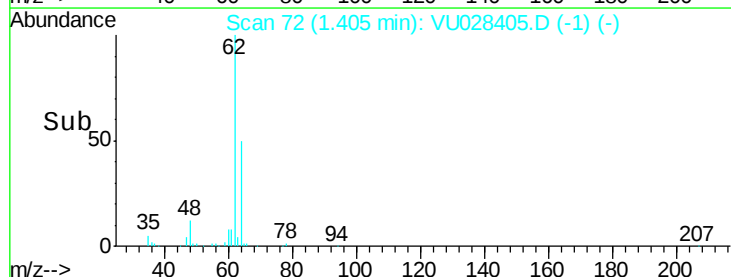
20000

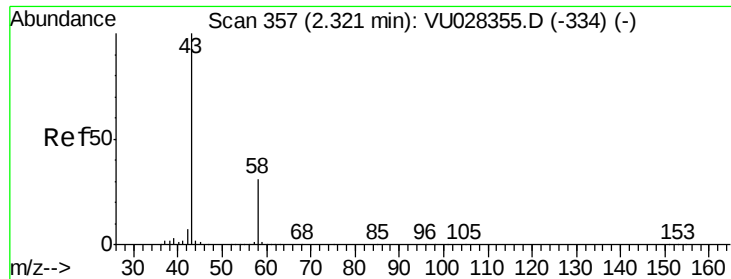
10000

0

1.35 1.40 1.45

Time-->





#16

Acetone

Concen: 7.100 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

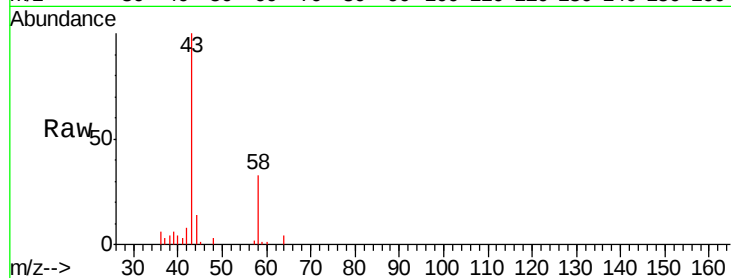
DUP-1

Tgt Ion: 43 Resp: 18511

Ion Ratio Lower Upper

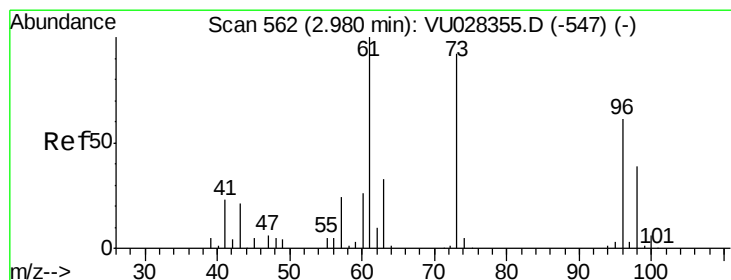
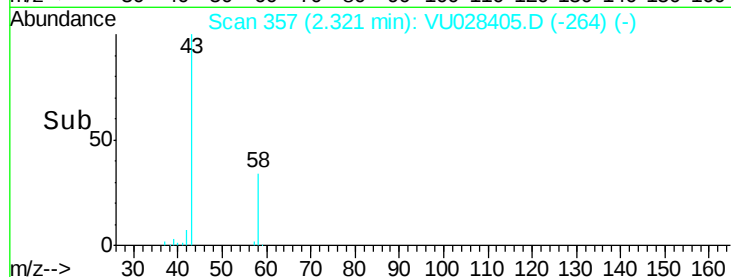
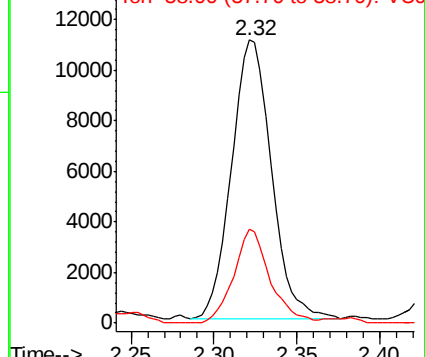
43 100

58 33.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#21

trans-1,2-Dichloroethene

Concen: 2.341 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.01 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

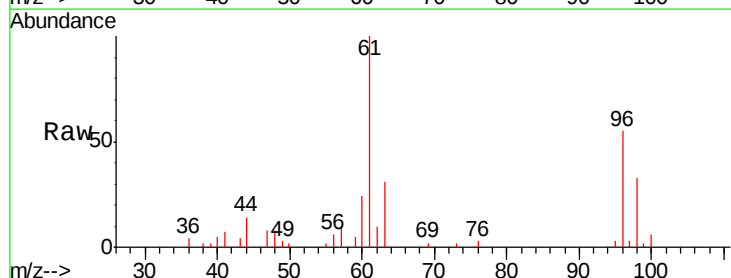
Tgt Ion: 96 Resp: 7396

Ion Ratio Lower Upper

96 100

61 181.3 131.1 196.7

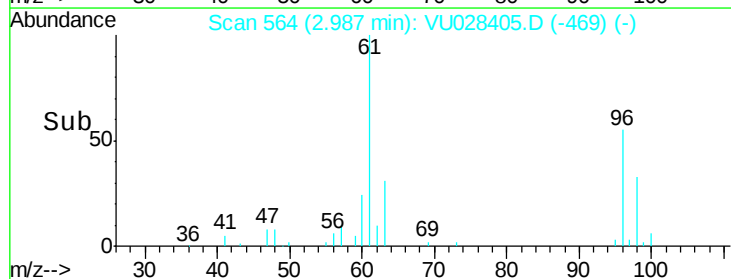
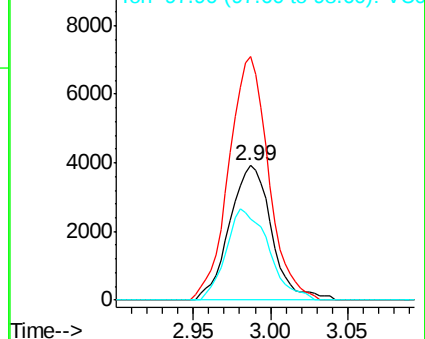
98 60.3 51.7 77.5

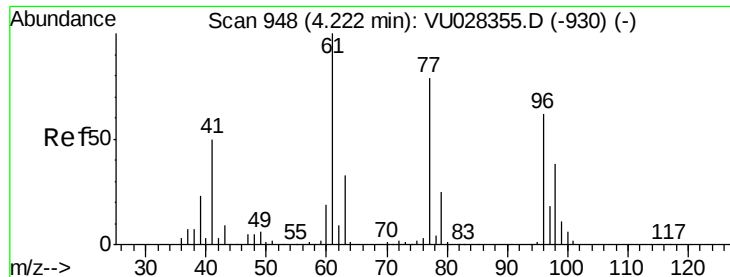


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



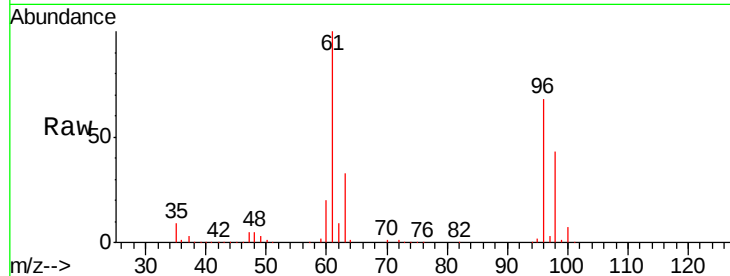


#27

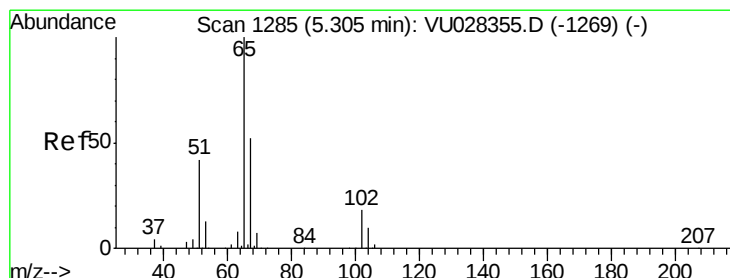
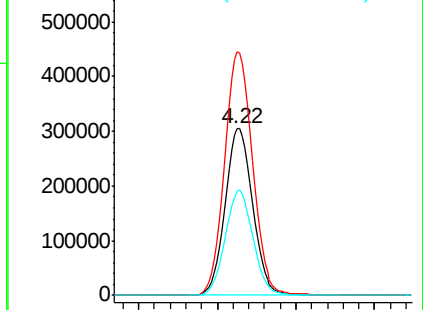
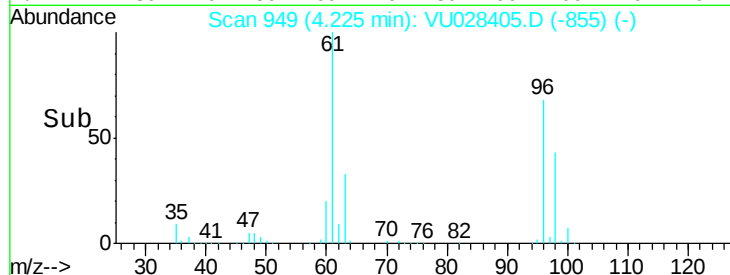
cis-1,2-Dichloroethene
 Concen: 197.690 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

Instrument :
 MSVOA_U
 ClientSampled :
 DUP-1

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	342.0
98	63.2	0.0	126.4



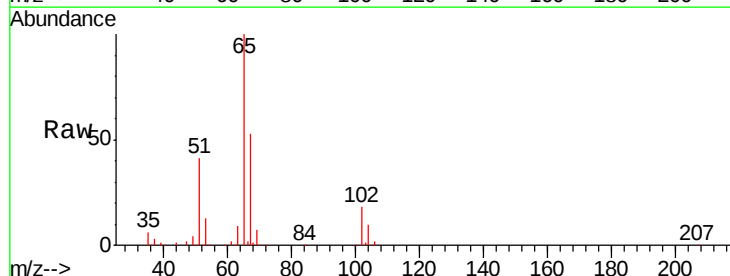
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



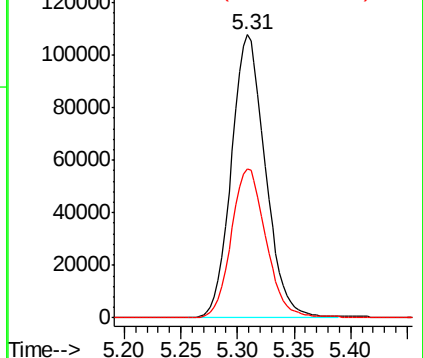
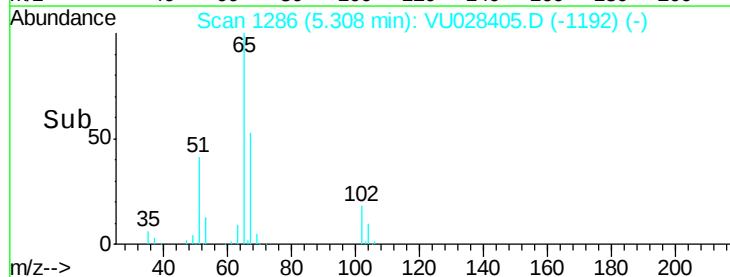
#33

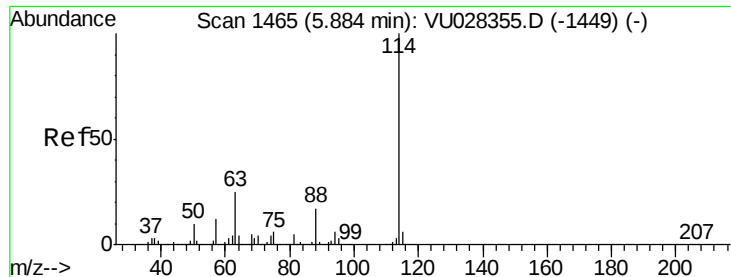
1,2-Dichloroethane-d4
 Concen: 52.951 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
 Ion 66.90 (66.60 to 67.60): VU0

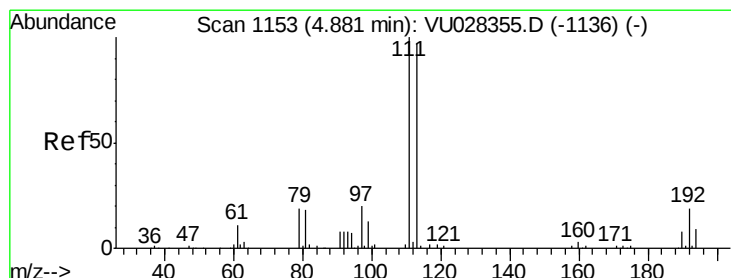
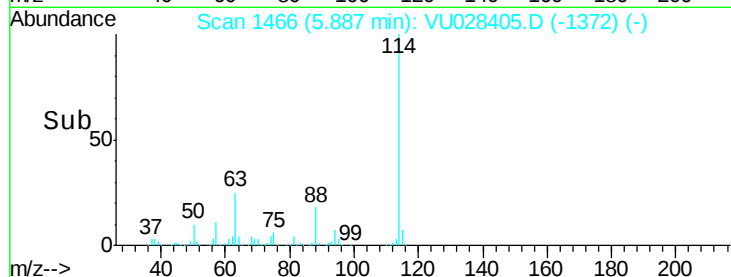
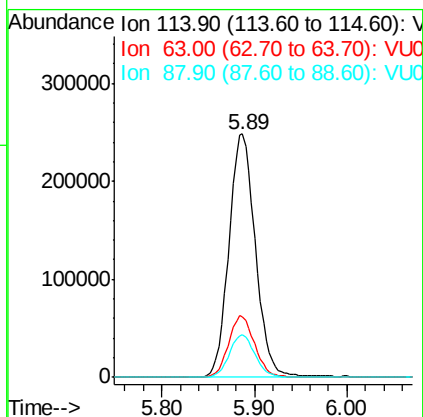
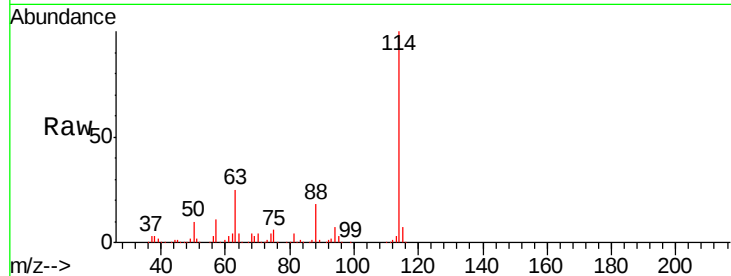




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

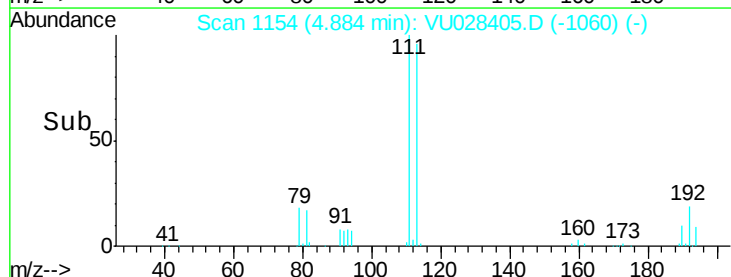
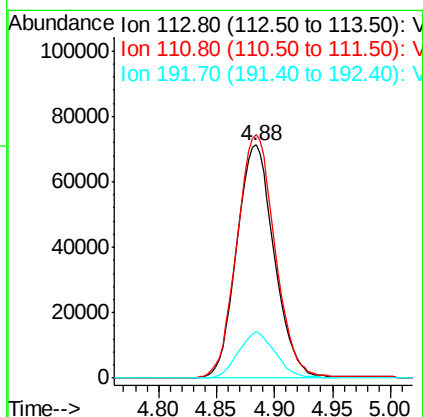
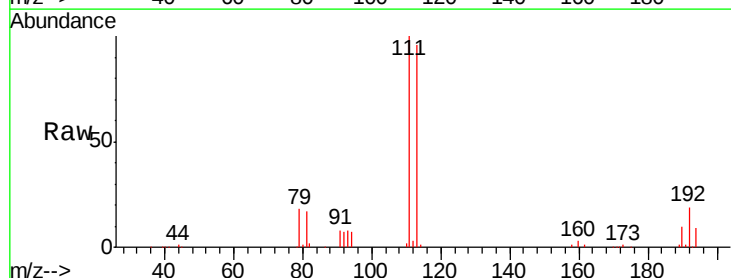
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1

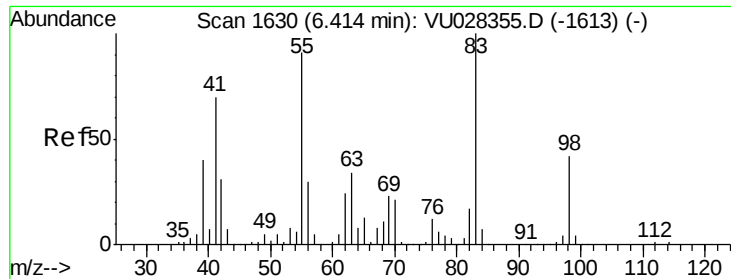
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	50.0
88	17.6	0.0	34.4



#35
 Dibromofluoromethane
 Concen: 49.117 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.9	124.3
192	19.4	15.4	23.0

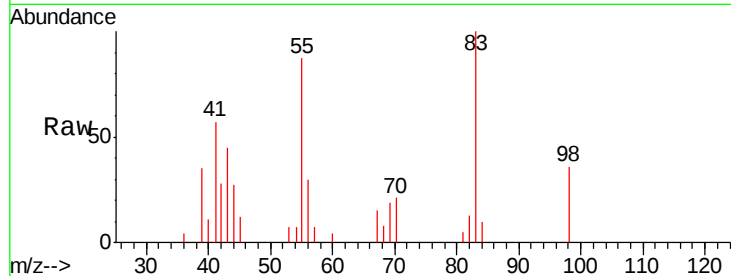




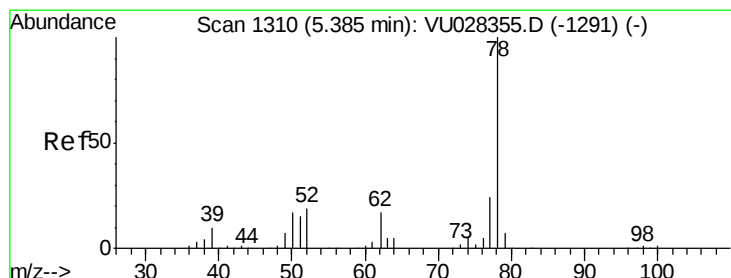
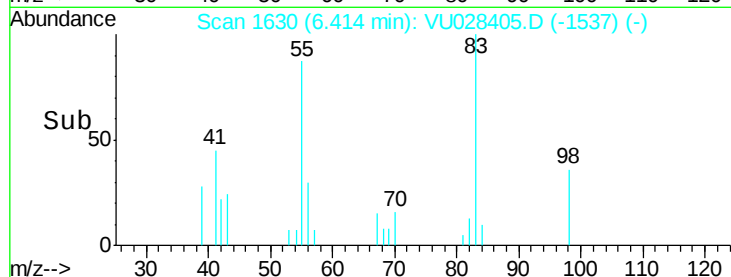
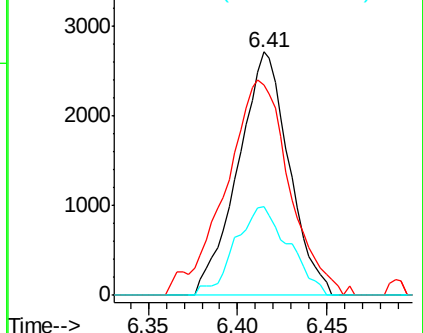
#39
Methylcyclohexane
Concen: 0.850 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Instrument :
MSVOA_U
ClientSampleId :
DUP-1

Tgt Ion: 83 Resp: 5400
Ion Ratio Lower Upper
83 100
55 82.6 73.1 109.7
98 36.5 33.9 50.9

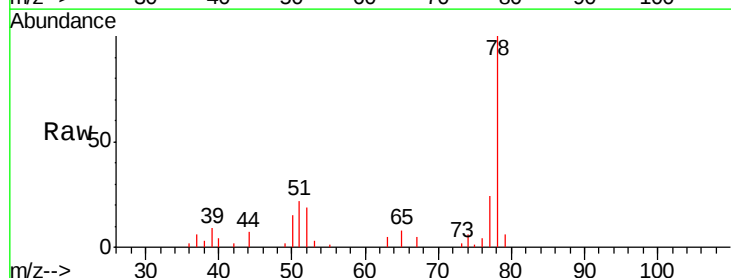


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

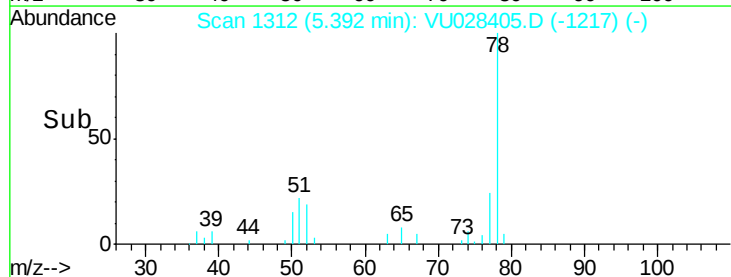
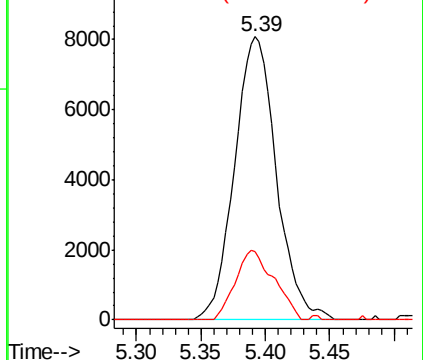


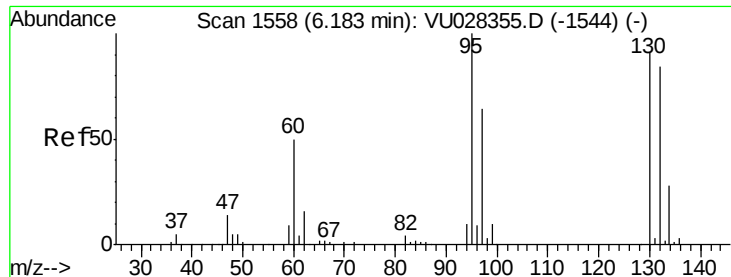
#40
Benzene
Concen: 1.145 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.01 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion: 78 Resp: 18280
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#44

Trichloroethene

Concen: 0.485 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

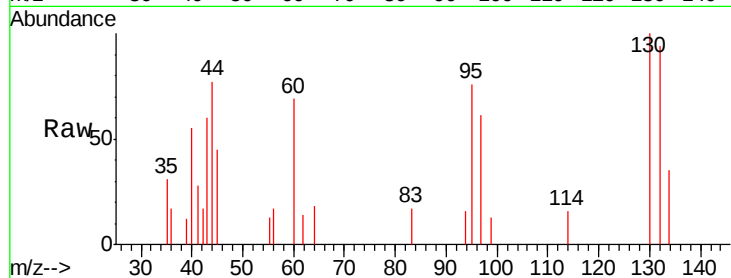
DUP-1

Tgt Ion:130 Resp: 1660

Ion Ratio Lower Upper

130 100

95 62.2 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

800

600

400

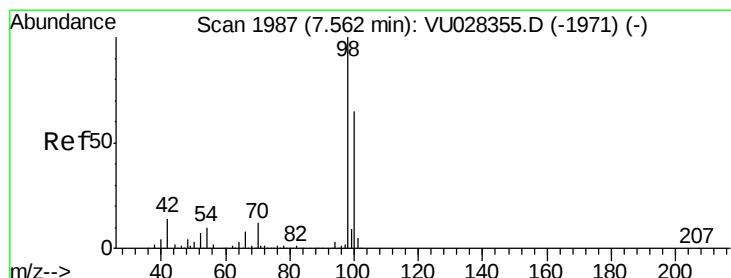
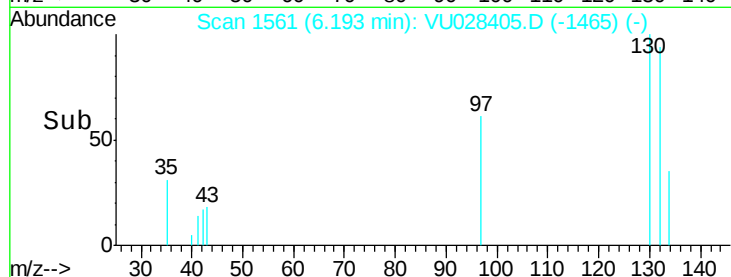
200

0

Time-->

6.15

6.20



#50

Toluene-d8

Concen: 49.892 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028405.D

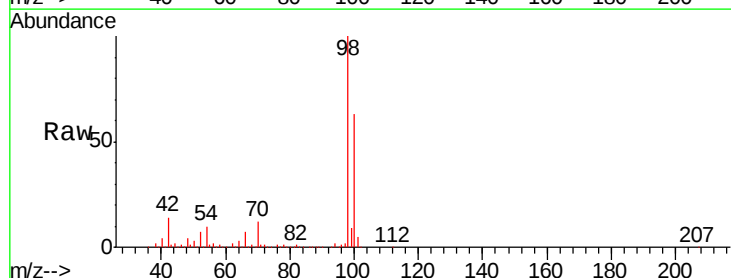
Acq: 29 Nov 2018 19:39

Tgt Ion: 98 Resp: 653509

Ion Ratio Lower Upper

98 100

100 63.9 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

7.57

400000

300000

200000

100000

0

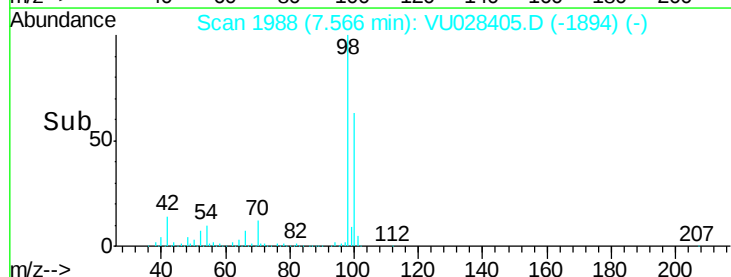
Time-->

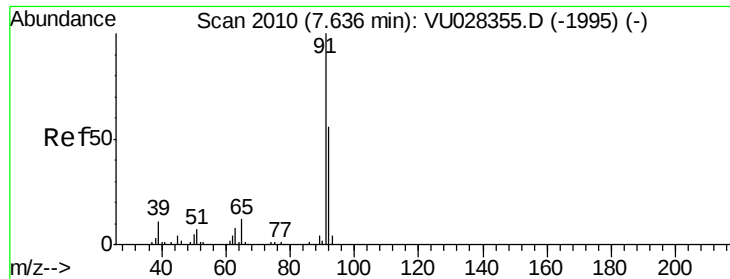
7.50

7.55

7.60

7.65





#52

Toluene

Concen: 34.533 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

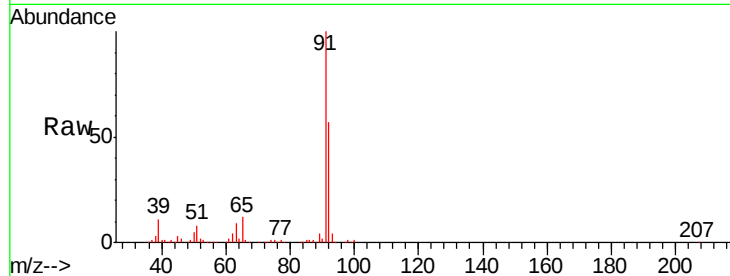
DUP-1

Tgt Ion: 92 Resp: 317440

Ion Ratio Lower Upper

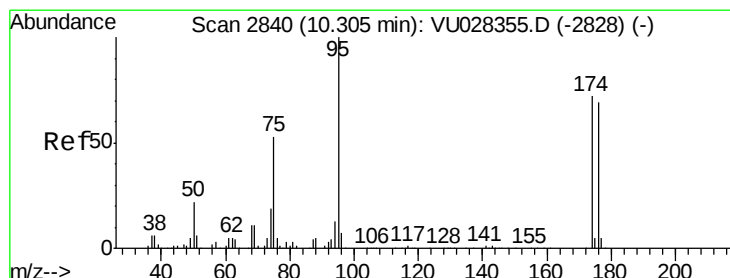
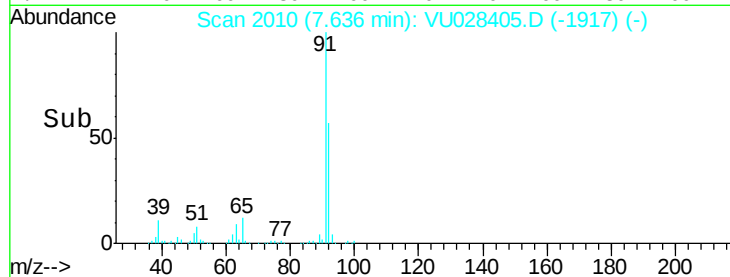
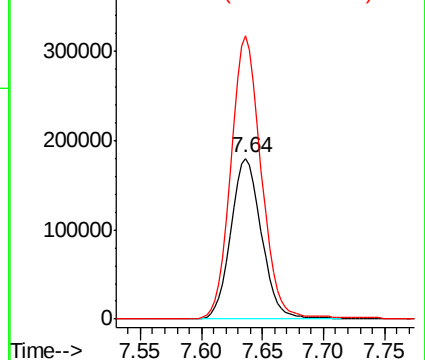
92 100

91 175.4 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU028355.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028355.D (-1995) (-)



#62

4-Bromofluorobenzene

Concen: 52.525 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

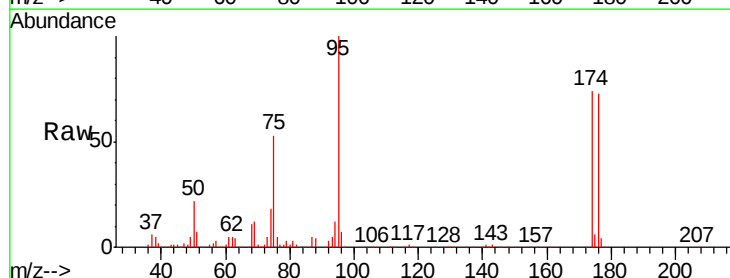
Tgt Ion: 95 Resp: 247974

Ion Ratio Lower Upper

95 100

174 73.0 0.0 145.4

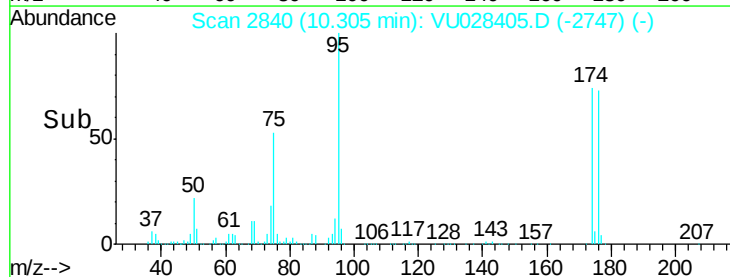
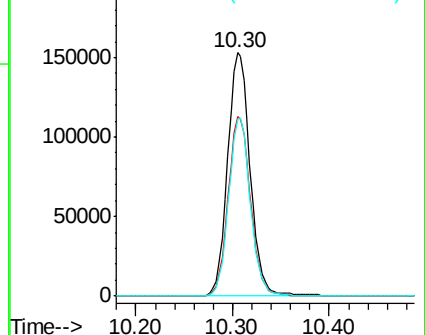
176 70.5 0.0 140.8

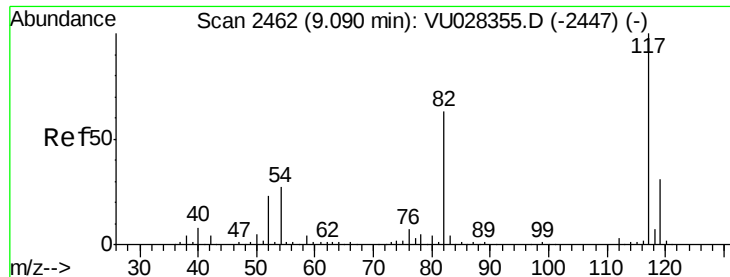


Abundance Ion 94.90 (94.60 to 95.60): VU028355.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028355.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028355.D (-2828) (-)

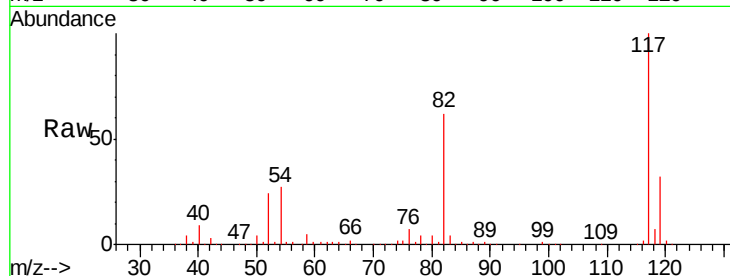




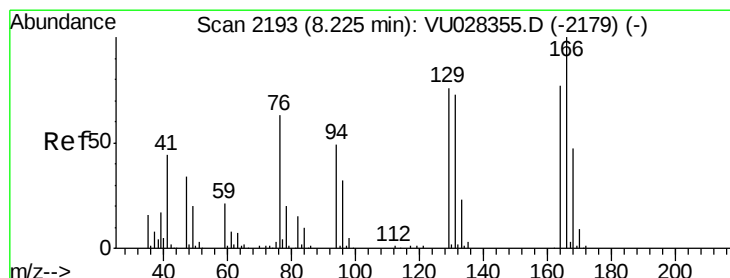
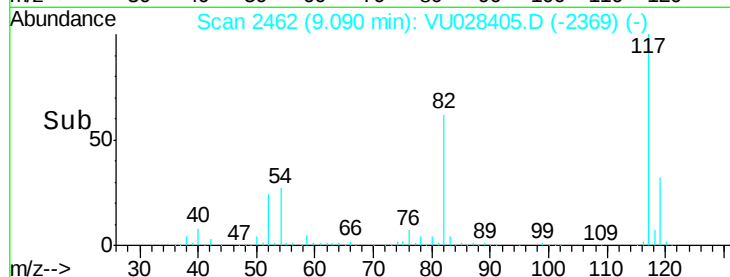
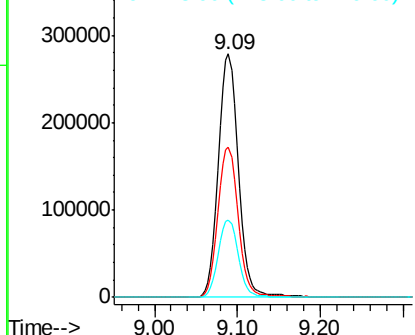
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Instrument :
MSVOA_U
ClientSampleId :
DUP-1

Tgt Ion:117 Resp: 466780
Ion Ratio Lower Upper
117 100
82 61.7 50.3 75.5
119 31.6 24.8 37.2

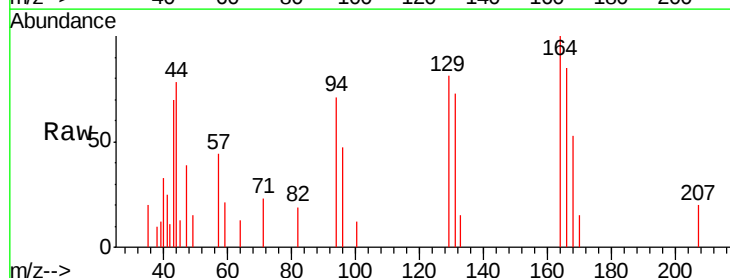


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU028355.D (-2447) (-)
Ion 118.90 (118.60 to 119.60): V

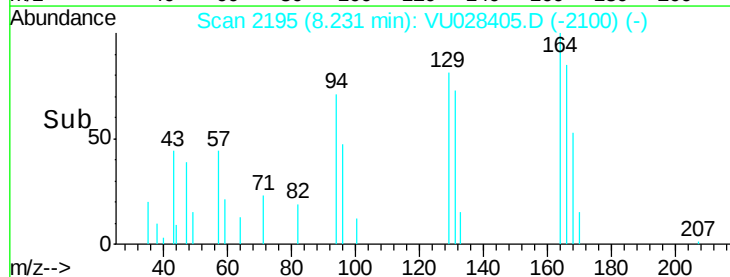
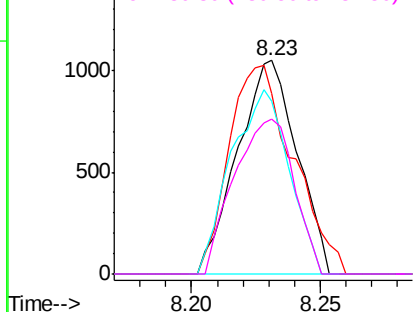


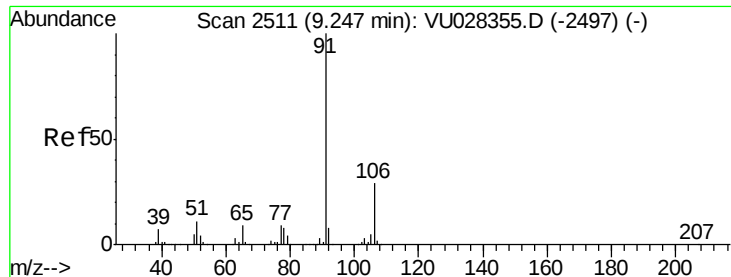
#64
Tetrachloroethene
Concen: 0.547 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.01 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion:164 Resp: 1680
Ion Ratio Lower Upper
164 100
166 84.7 104.0 156.0#
129 80.8 79.2 118.8
131 72.5 75.7 113.5#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): VU028355.D (-2179) (-)
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 6.666 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampled :

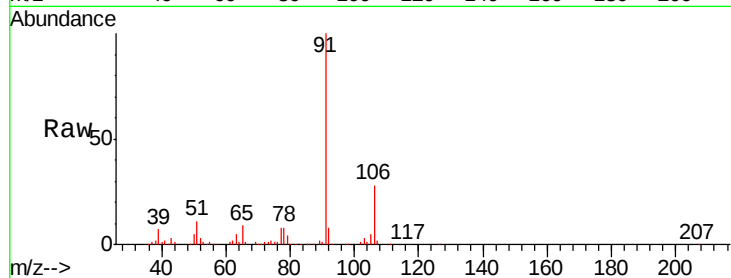
DUP-1

Tgt Ion: 91 Resp: 121687

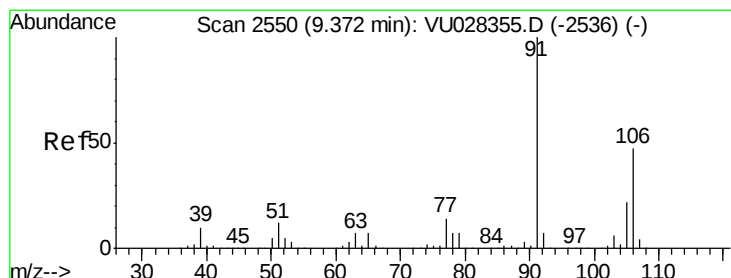
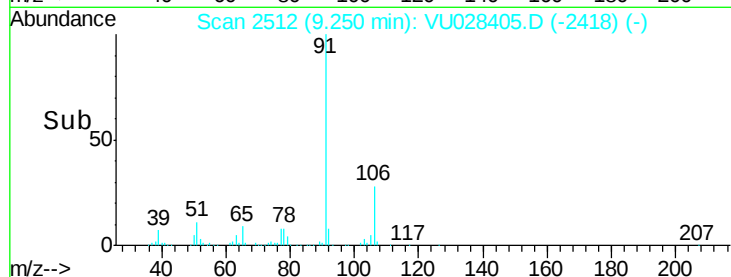
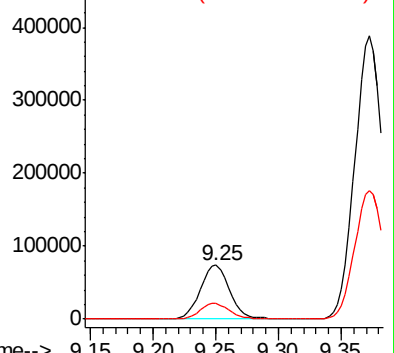
Ion Ratio Lower Upper

91 100

106 28.1 23.3 34.9



Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2497) (-)



#68

m/p-Xylenes

Concen: 45.320 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028405.D

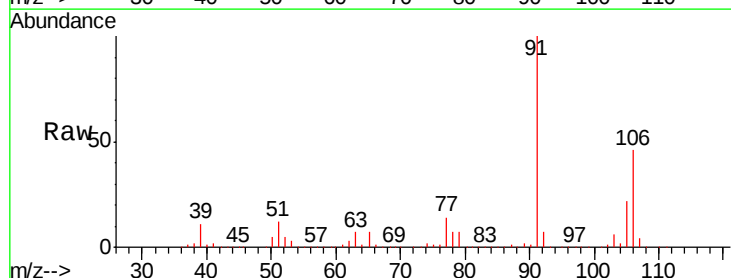
Acq: 29 Nov 2018 19:39

Tgt Ion: 106 Resp: 297778

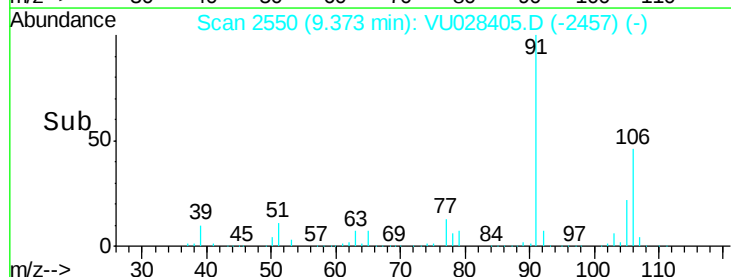
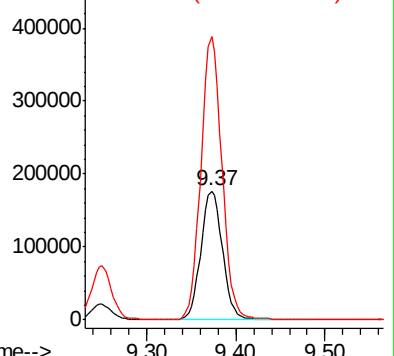
Ion Ratio Lower Upper

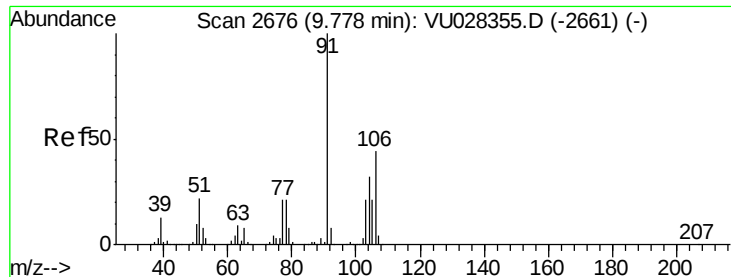
106 100

91 213.4 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): VU028355.D (-2536) (-)

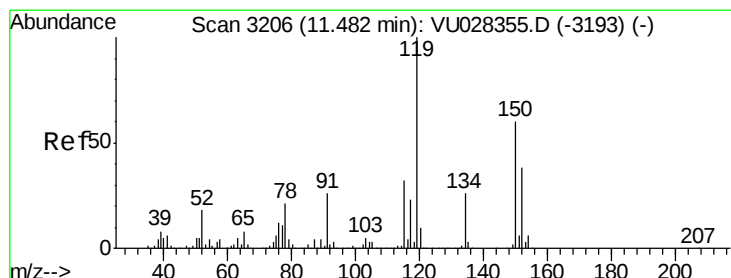
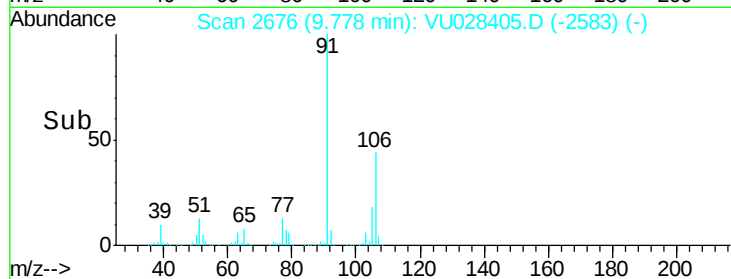
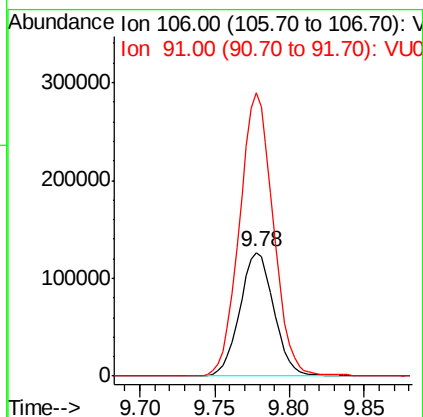
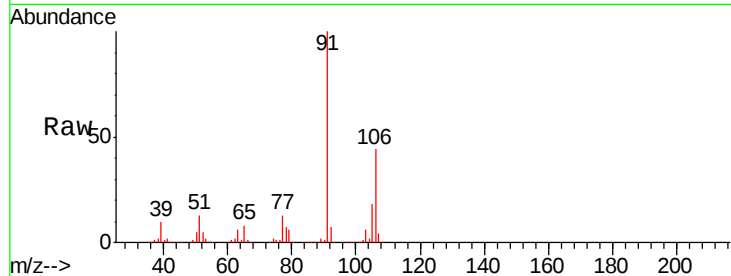




#69
o-Xylene
Concen: 30.659 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

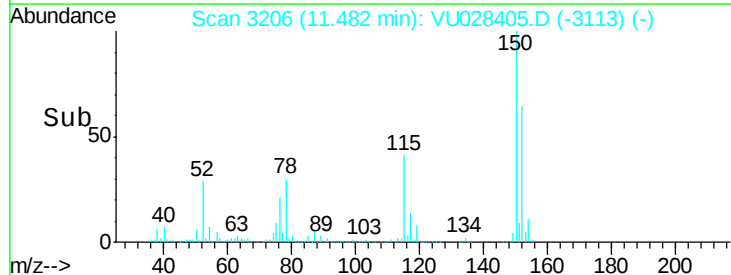
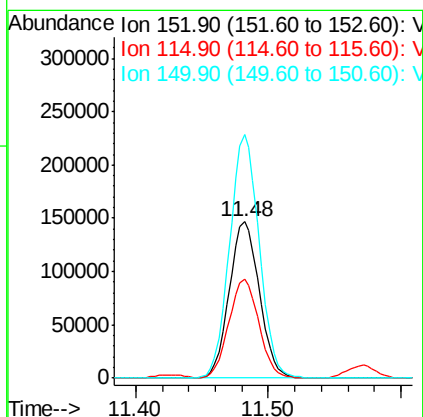
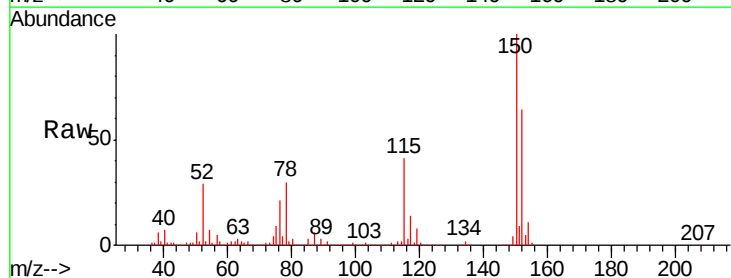
Instrument :
MSVOA_U
ClientSampleId :
DUP-1

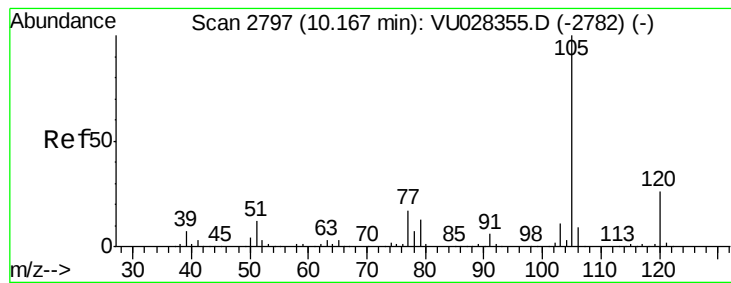
Tgt Ion:106 Resp: 200257
Ion Ratio Lower Upper
106 100
91 227.7 112.7 338.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028405.D
Acq: 29 Nov 2018 19:39

Tgt Ion:152 Resp: 232351
Ion Ratio Lower Upper
152 100
115 62.7 45.0 134.8
150 152.6 0.0 349.2





#73

Isopropylbenzene

Concen: 0.638 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028405.D

Acq: 29 Nov 2018 19:39

Instrument :

MSVOA_U

ClientSampleId :

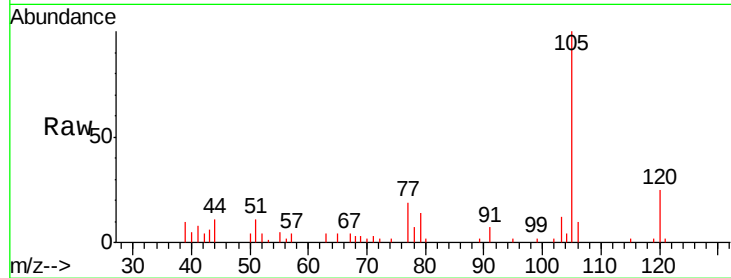
DUP-1

Tgt Ion: 105 Resp: 11527

Ion Ratio Lower Upper

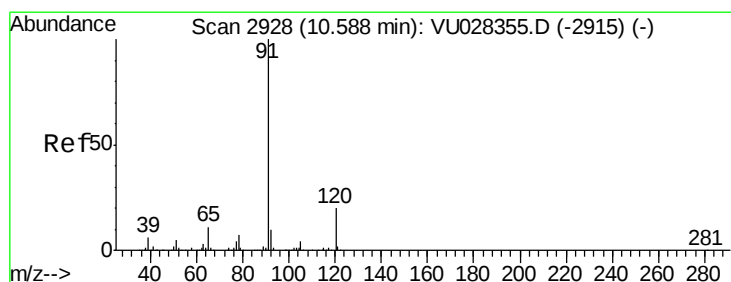
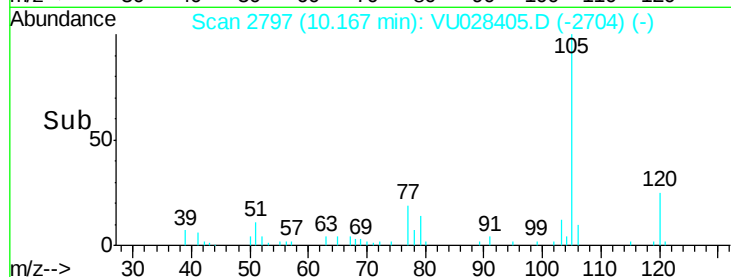
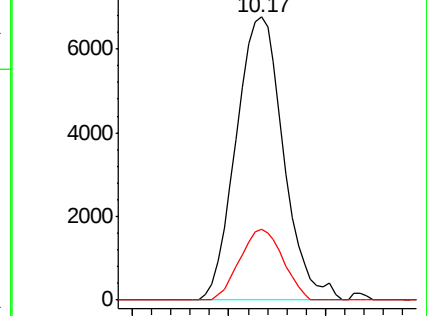
105 100

120 22.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.456 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028405.D

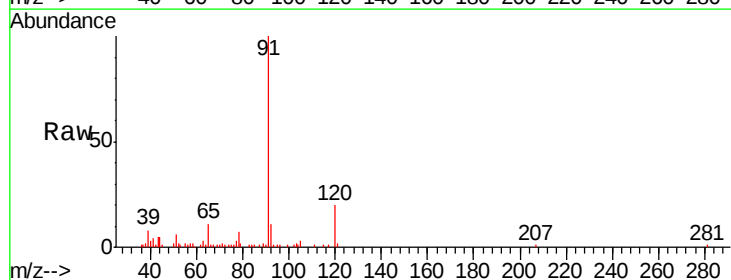
Acq: 29 Nov 2018 19:39

Tgt Ion: 91 Resp: 32451

Ion Ratio Lower Upper

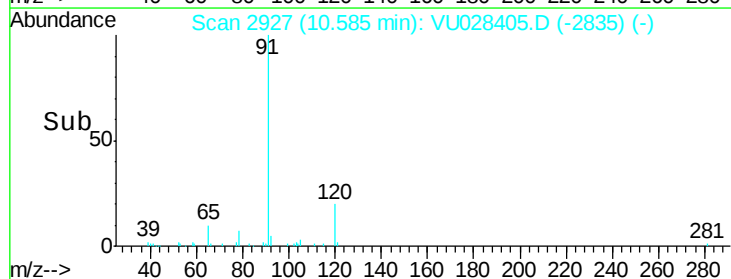
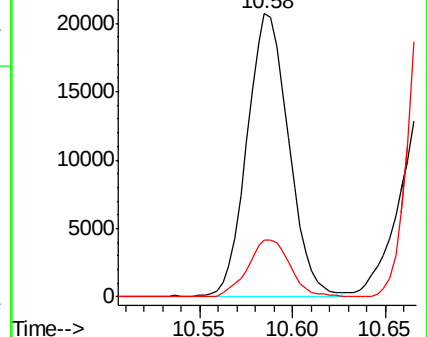
91 100

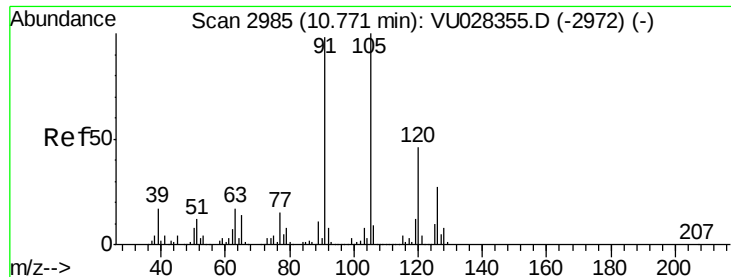
120 20.4 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

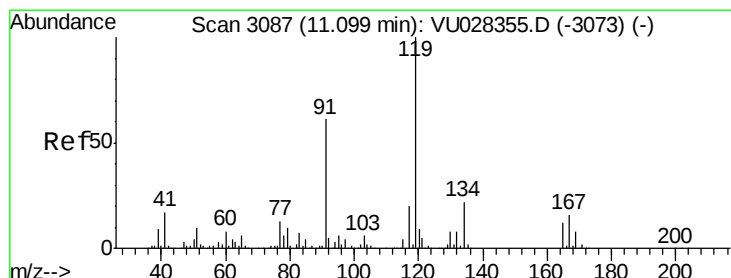
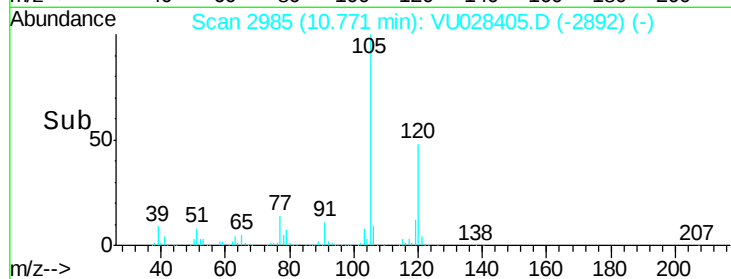
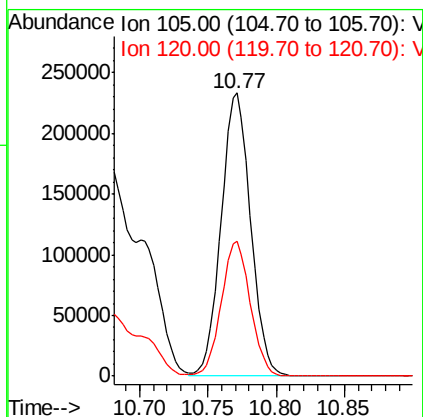
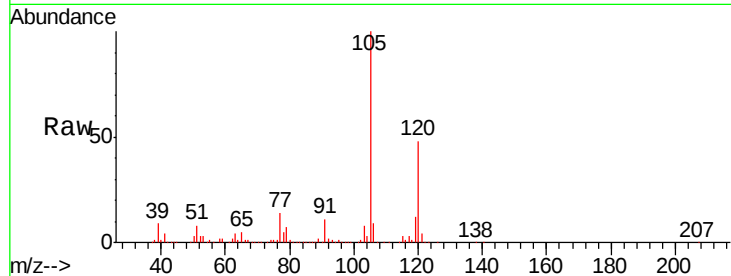




#80
 1,3,5-Trimethylbenzene
 Concen: 22.977 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

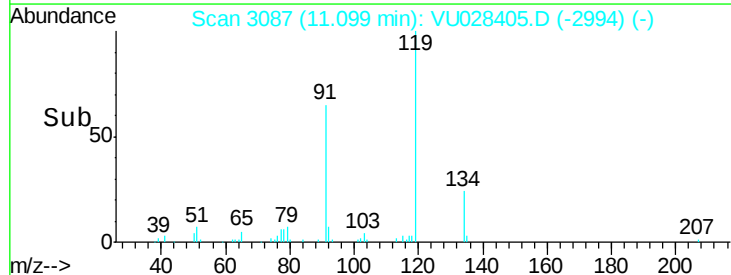
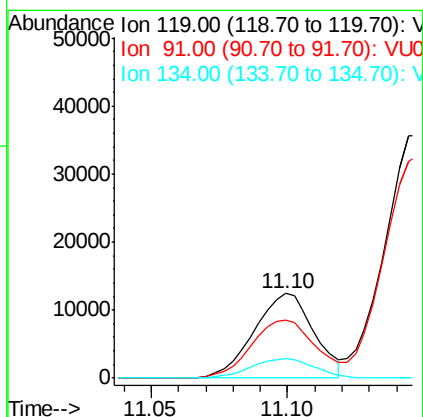
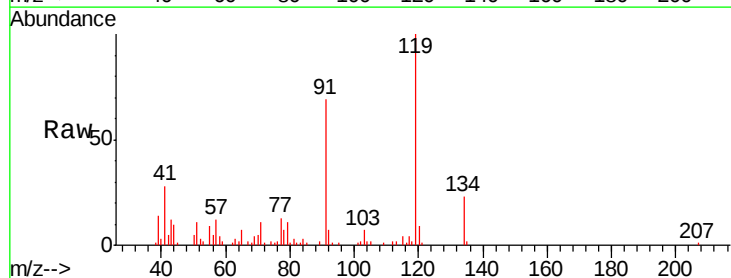
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1

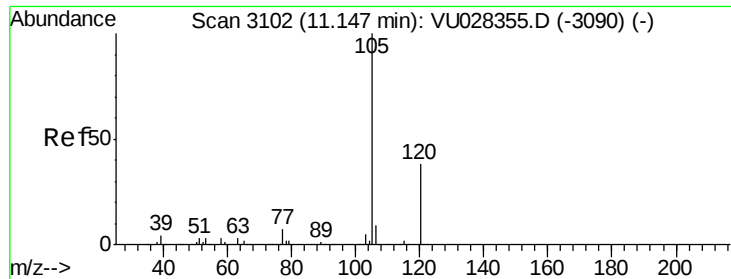
Tgt Ion:105 Resp: 349903
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.0



#83
 tert-Butylbenzene
 Concen: 1.334 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

Tgt Ion:119 Resp: 18937
 Ion Ratio Lower Upper
 119 100
 91 72.8 30.8 92.4
 134 24.6 11.1 33.1

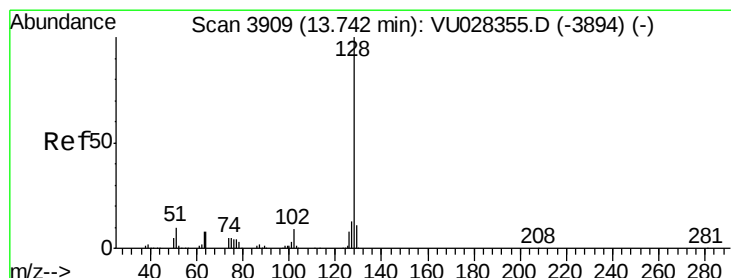
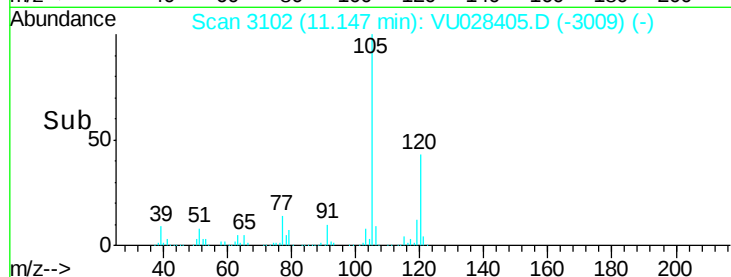
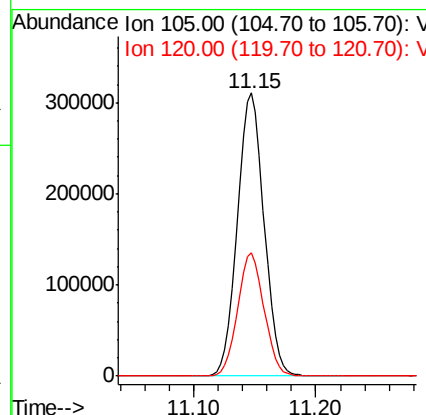
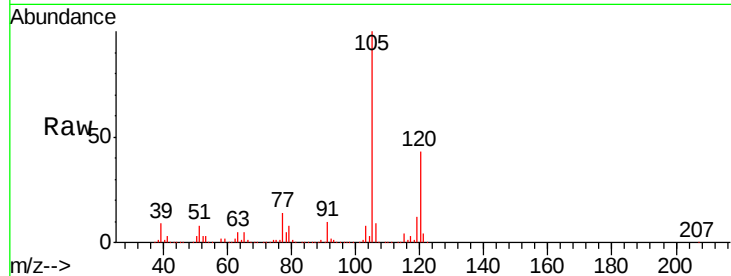




#84
 1,2,4-Trimethylbenzene
 Concen: 30.534 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-1

Tgt Ion:105 Resp: 470970
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.4 64.3



#95
 Naphthalene
 Concen: 13.047 ug/l
 RT: 13.74 min Scan# 3908
 Delta R.T. -0.00 min
 Lab File: VU028405.D
 Acq: 29 Nov 2018 19:39

Tgt Ion:128 Resp: 211694
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.6 15.8
 129 11.6 8.6 12.8

