

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027274.D
 Acq On : 28 Sep 2018 16:15
 Operator : MD/SY
 Sample : J5041-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0245

Quant Time: Oct 02 07:09:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	122228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	199698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	193001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100467	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	108026	43.91	ug/l	0.00
Spiked Amount			Recovery	=	87.82%	
35) Dibromofluoromethane	4.88	113	78957	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	7.57	98	344502	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	10.31	95	113698	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	

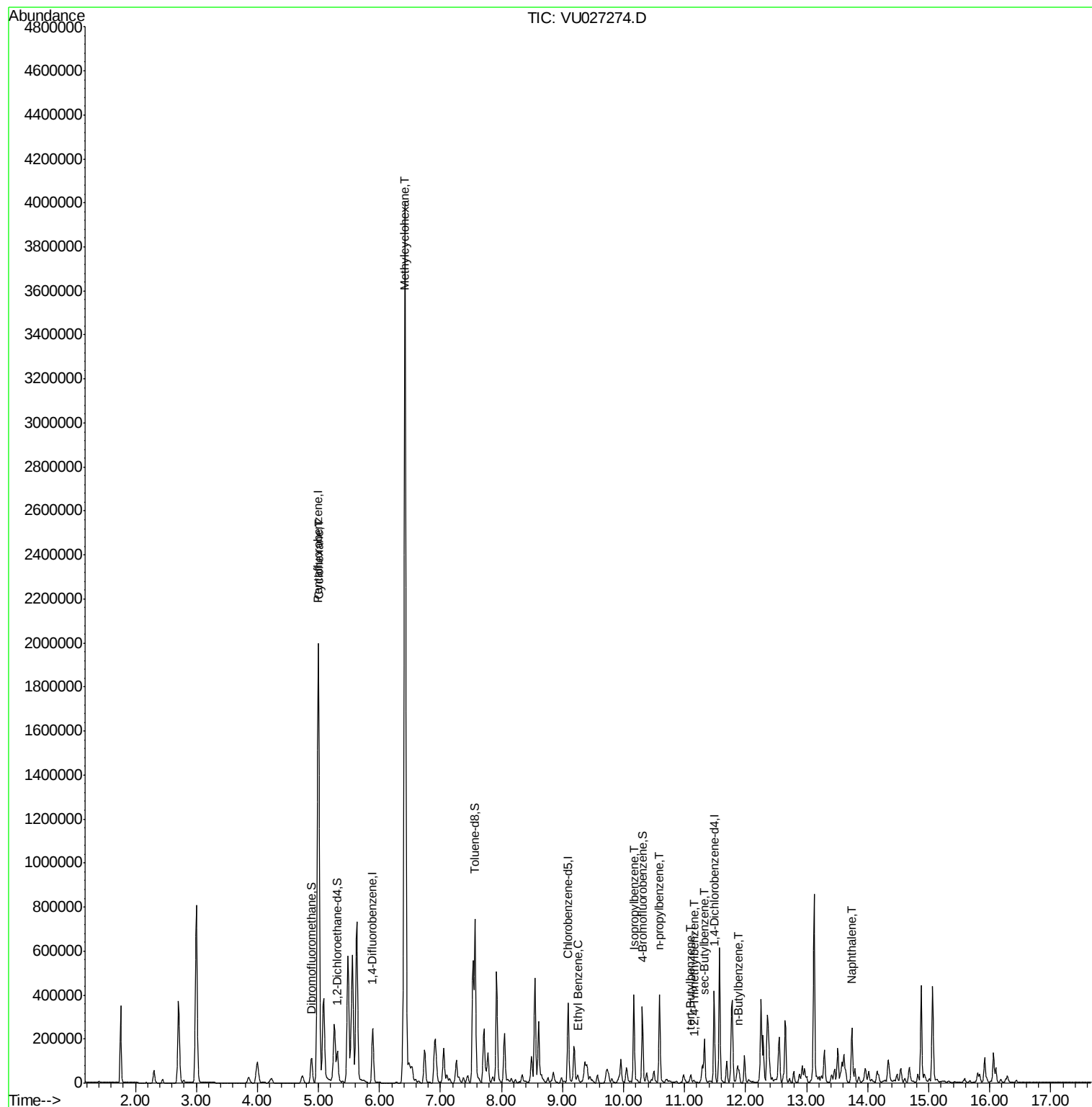
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	1097053	302.105	ug/l	99
39) Methylcyclohexane	6.42	83	1635998	564.854	ug/l	99
67) Ethyl Benzene	9.26	91	2735	0.325	ug/l	96
73) Isopropylbenzene	10.17	105	250493	32.777	ug/l	100
78) n-propylbenzene	10.59	91	298163	32.973	ug/l	100
83) tert-Butylbenzene	11.10	119	15660	2.511	ug/l	87
84) 1,2,4-Trimethylbenzene	11.15	105	4112	0.640	ug/l	98
85) sec-Butylbenzene	11.32	105	126102	16.563	ug/l	99
89) n-Butylbenzene	11.89	91	32407	6.848	ug/l #	77
95) Naphthalene	13.74	128	170990	21.552	ug/l	97

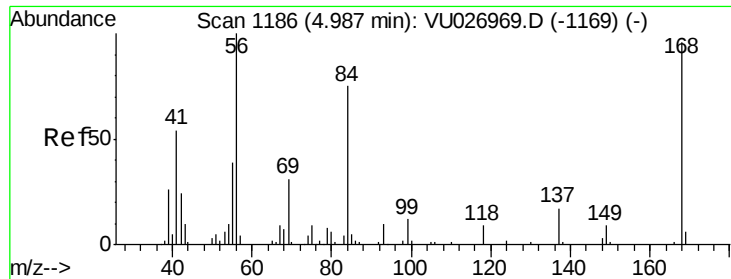
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

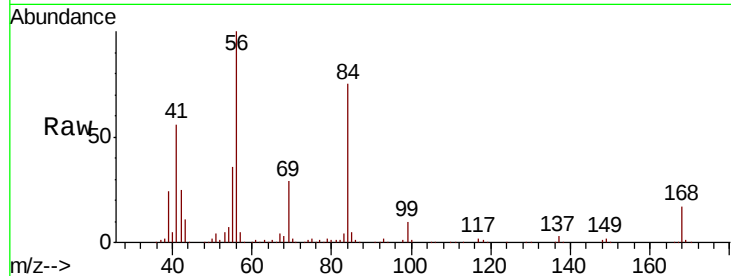
S13-0245

Tot Ion:168 Resp: 122228

Ion Ratio Lower Upper

168 100

99 59.9 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

60000

50000

40000

30000

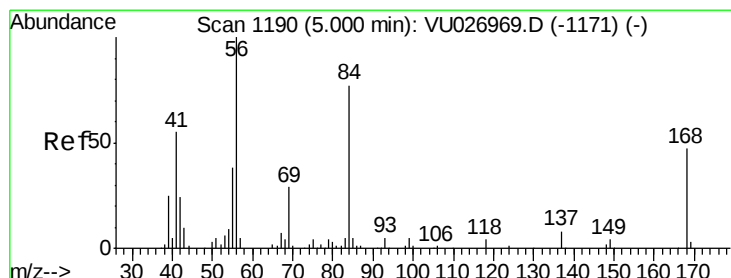
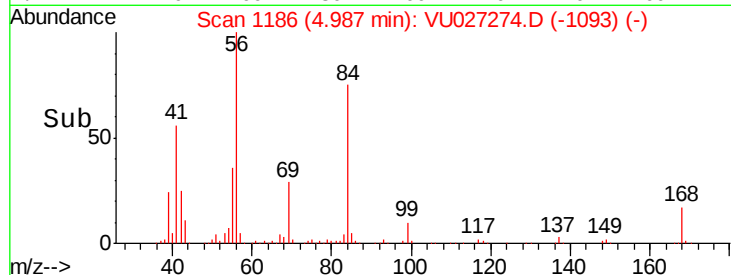
20000

10000

0

Time-->

4.90 4.95 5.00 5.05



#31

Cyclohexane

Concen: 302.105 ug/l

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

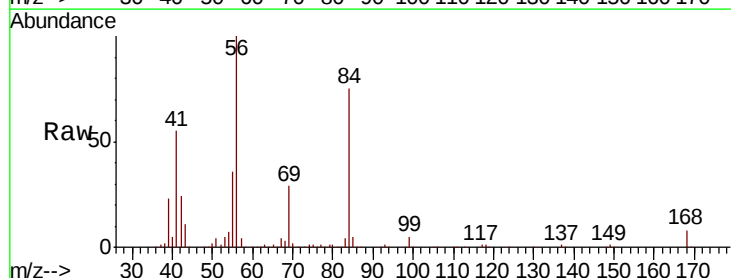
Tgt Ion: 56 Resp: 1097053

Ion Ratio Lower Upper

56 100

69 28.5 23.0 34.4

84 75.4 61.4 92.2



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)

5.00

600000

500000

400000

300000

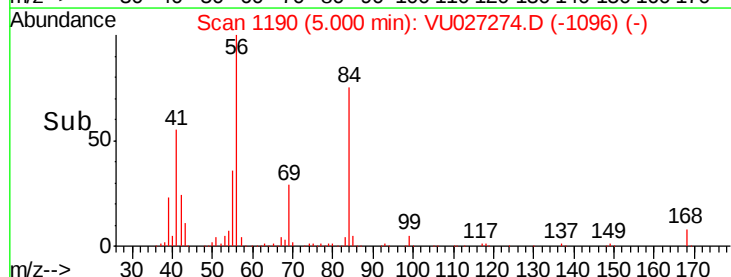
200000

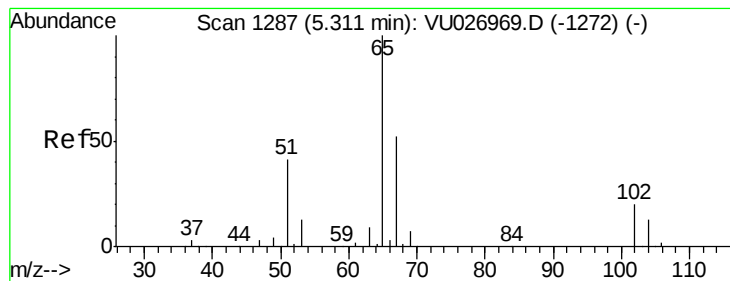
100000

0

Time-->

4.90 4.95 5.00 5.05





#33

1,2-Dichloroethane-d4

Concen: 43.912 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

ClientSampled :

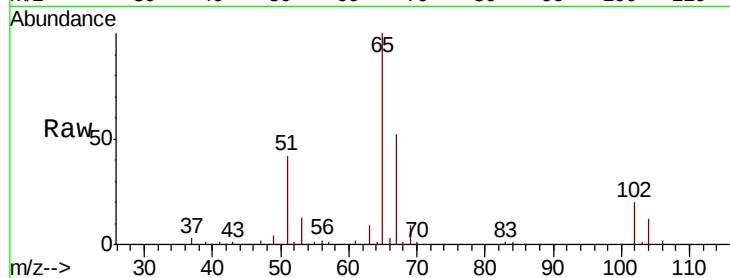
S13-0245

Tot Ion: 65 Resp: 108026

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.6



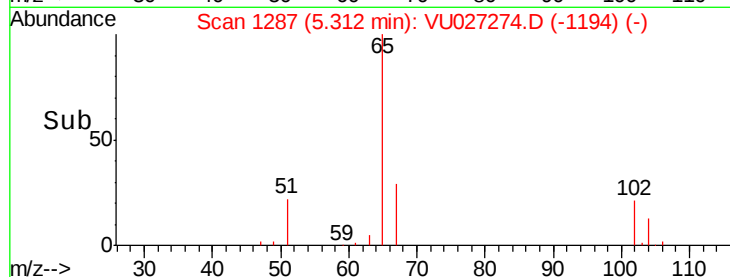
Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU026969.D (-1272) (-)

5.31

5.35

5.40



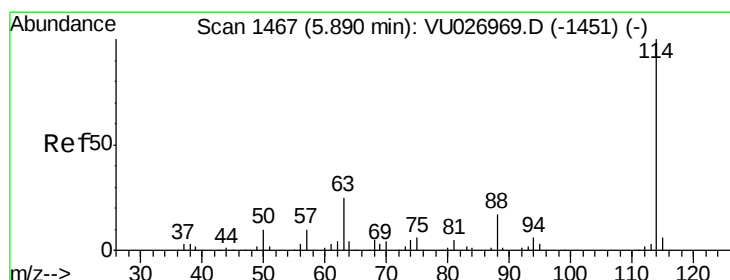
Abundance Ion 64.90 (64.60 to 65.60): VU027274.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU027274.D (-1194) (-)

5.31

5.35

5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

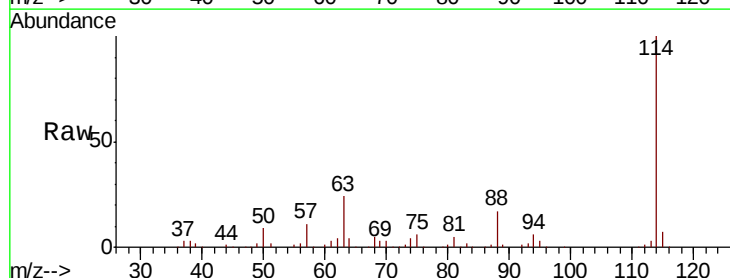
Tgt Ion: 114 Resp: 199698

Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.2

88 16.6 0.0 33.8



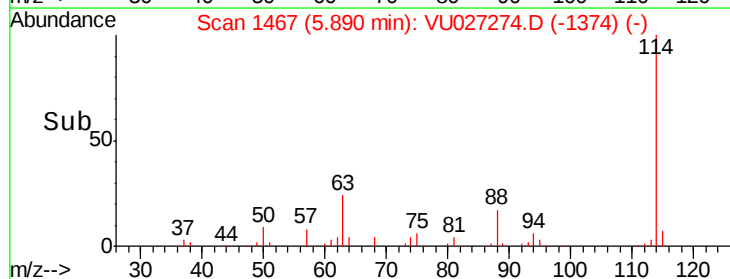
Abundance Ion 113.90 (113.60 to 114.60): VU026969.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU026969.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU026969.D (-1451) (-)

5.89

5.95



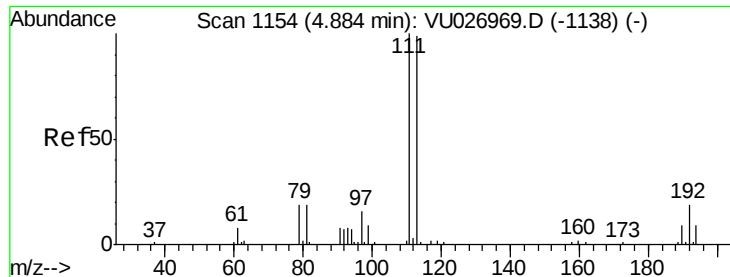
Abundance Ion 113.90 (113.60 to 114.60): VU027274.D (-1374) (-)

Ion 63.00 (62.70 to 63.70): VU027274.D (-1374) (-)

Ion 87.90 (87.60 to 88.60): VU027274.D (-1374) (-)

5.89

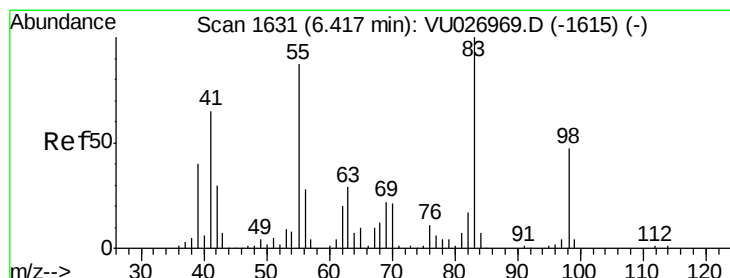
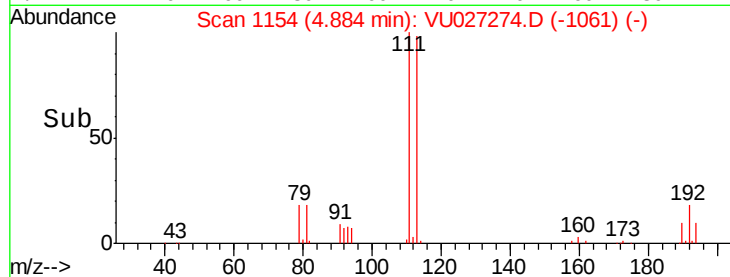
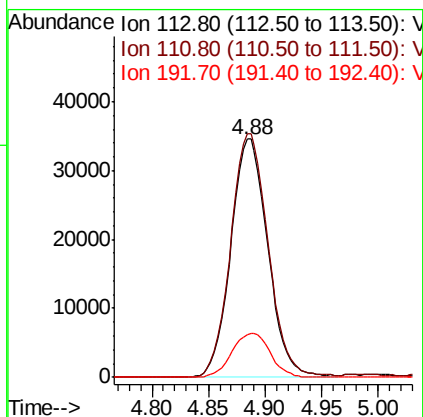
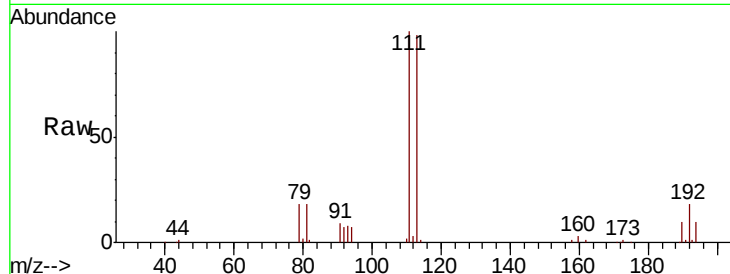
5.95



#35
Dibromofluoromethane
Concen: 45.614 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

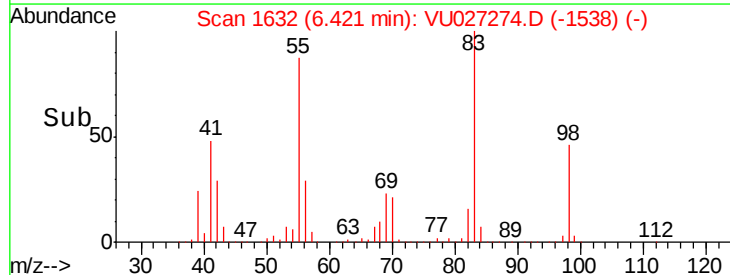
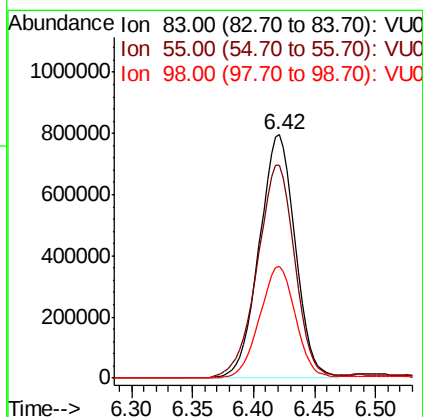
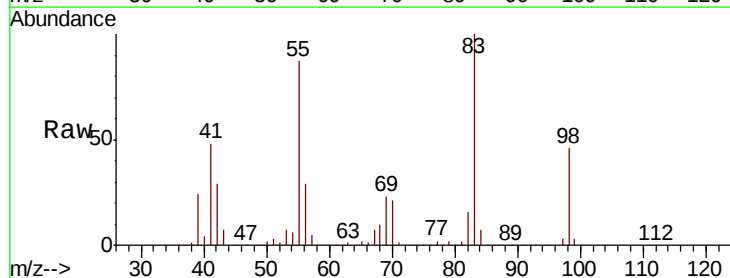
Instrument :
MSVOA_U
ClientSampleId :
S13-0245

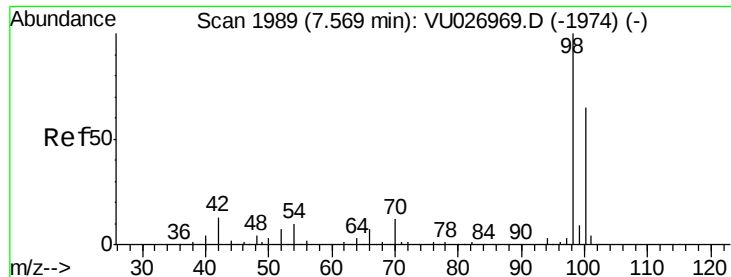
Tot Ion:113 Resp: 78957
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 19.1 15.2 22.8



#39
Methylcyclohexane
Concen: 564.854 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 83 Resp: 1635998
Ion Ratio Lower Upper
83 100
55 87.4 69.9 104.9
98 45.7 37.5 56.3





#50

Toluene-d8

Concen: 52.222 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

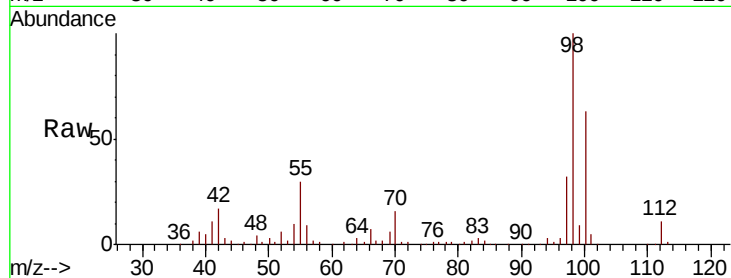
S13-0245

Tot Ion: 98 Resp: 344502

Ion Ratio Lower Upper

98 100

100 60.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

200000

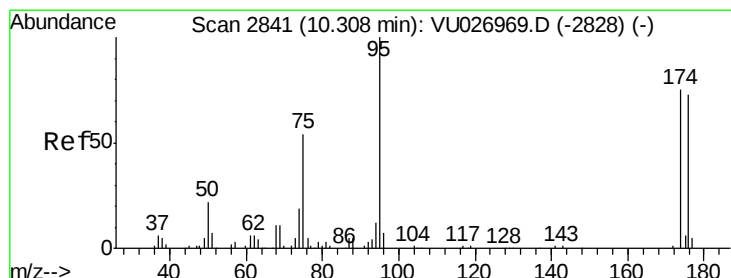
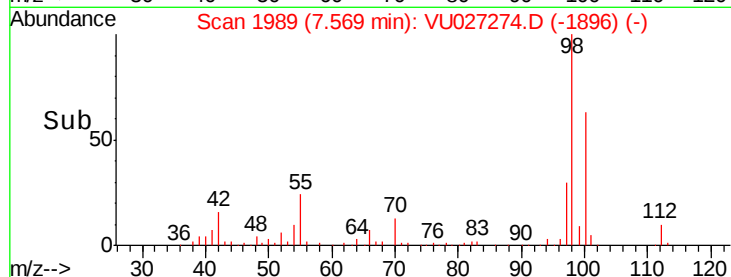
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.229 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

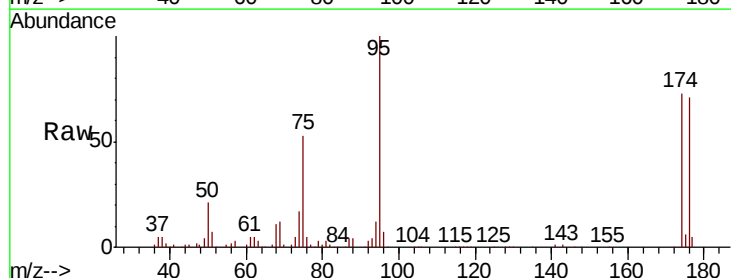
Tgt Ion: 95 Resp: 113698

Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.2

176 71.2 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

10.31

100000

80000

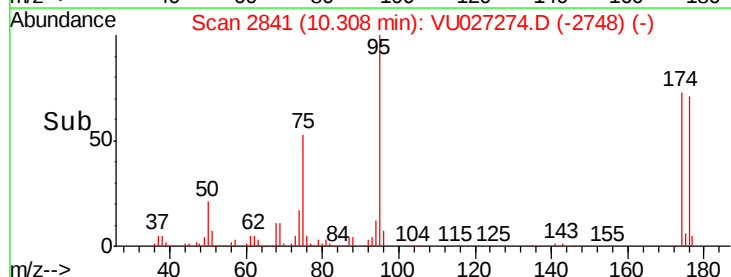
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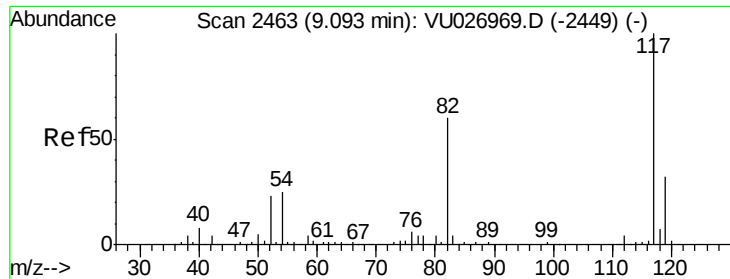
40000

20000

0

Time-->

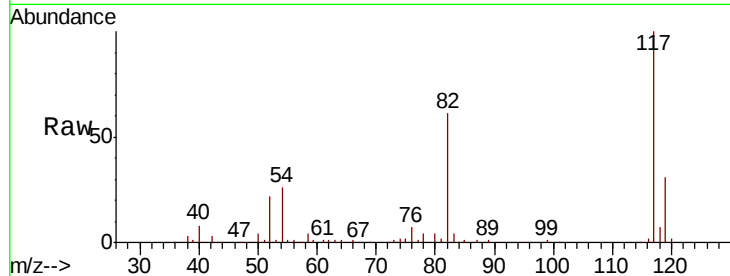




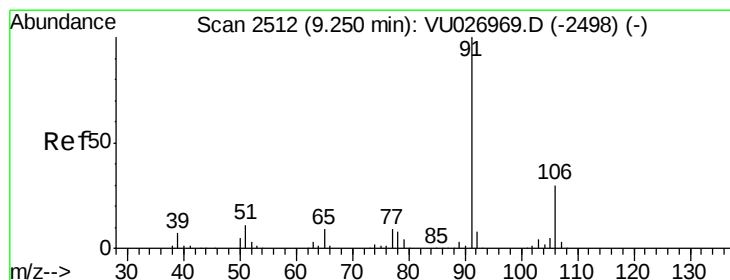
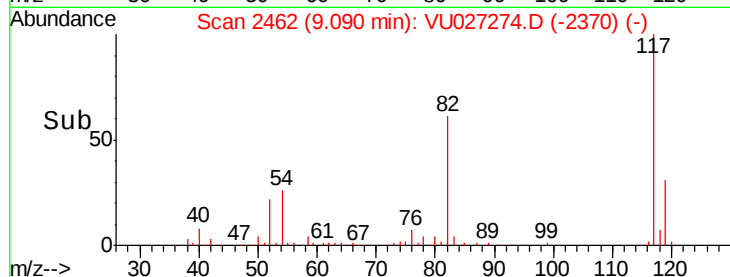
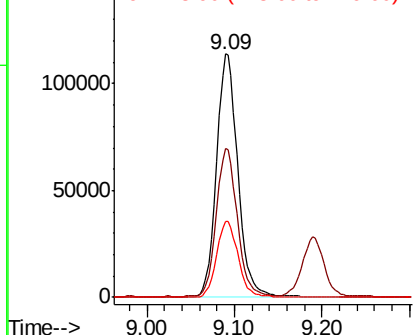
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Instrument :
MSVOA_U
ClientSampleId :
S13-0245

Tot Ion:117 Resp: 193001
Ion Ratio Lower Upper
117 100
82 60.8 48.0 72.0
119 31.1 25.8 38.8

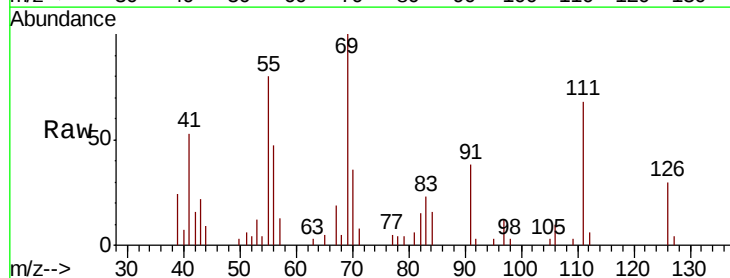


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

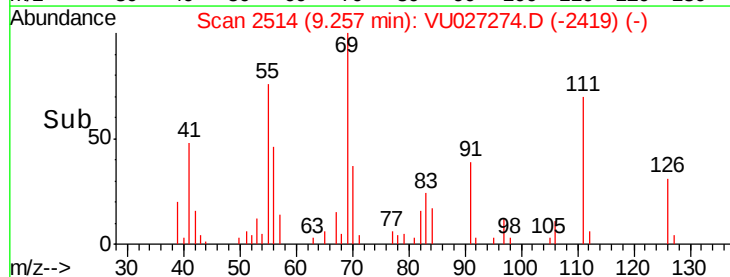
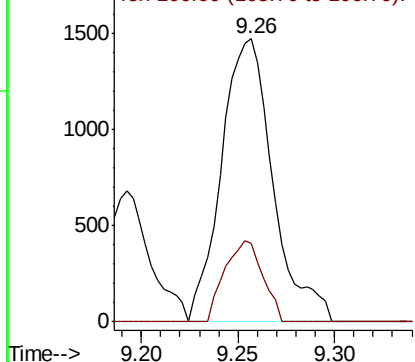


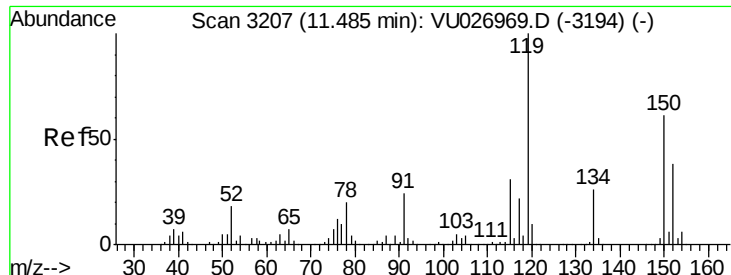
#67
Ethyl Benzene
Concen: 0.325 ug/l
RT: 9.26 min Scan# 2514
Delta R.T. 0.01 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion: 91 Resp: 2735
Ion Ratio Lower Upper
91 100
106 27.6 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): V



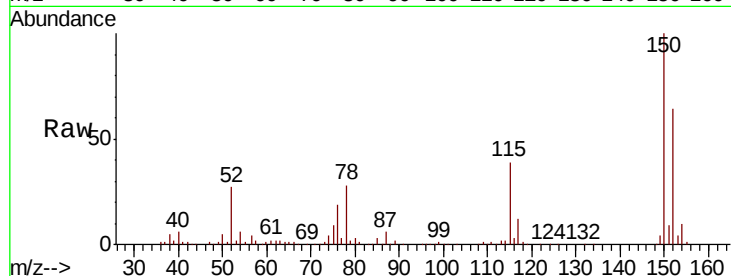


#72

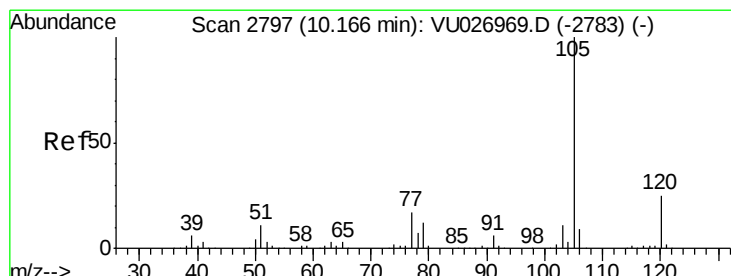
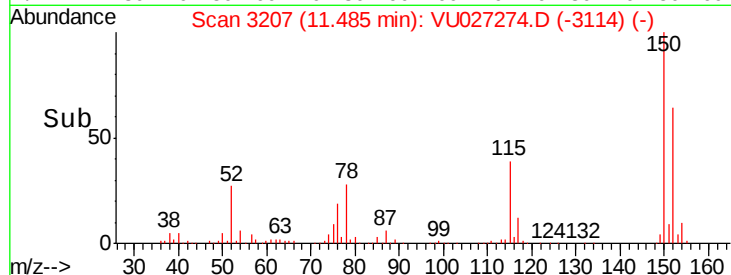
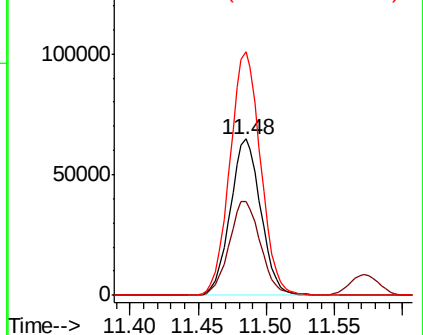
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Instrument :
MSVOA_U
ClientSampleId :
S13-0245

Tot Ion:152 Resp: 100467
Ion Ratio Lower Upper
152 100
115 61.2 44.9 134.5
150 156.7 0.0 355.8



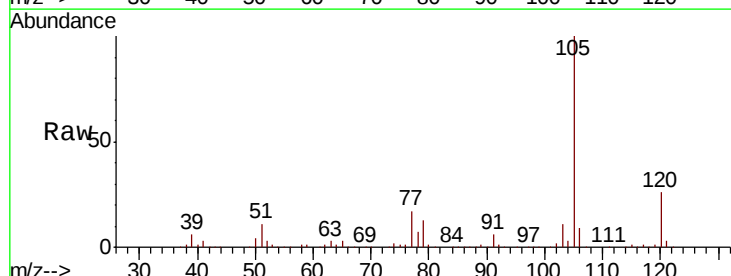
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



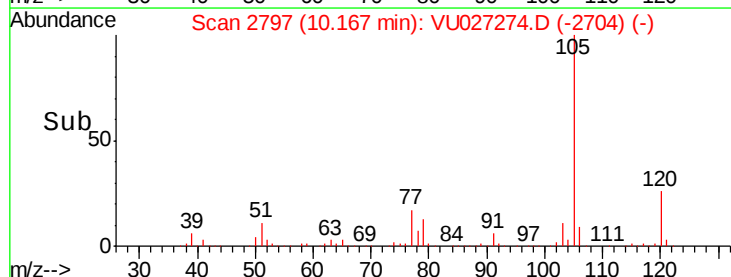
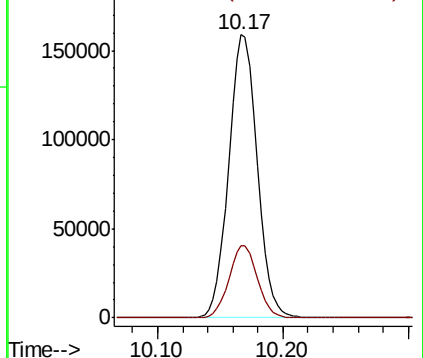
#73

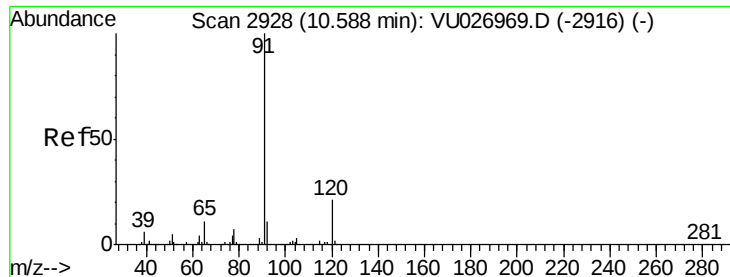
Isopropylbenzene
Concen: 32.777 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027274.D
Acq: 28 Sep 2018 16:15

Tgt Ion:105 Resp: 250493
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 32.973 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

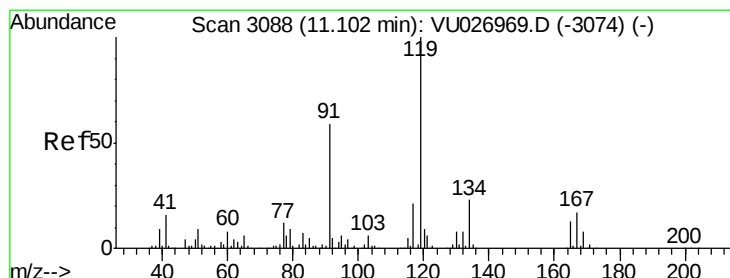
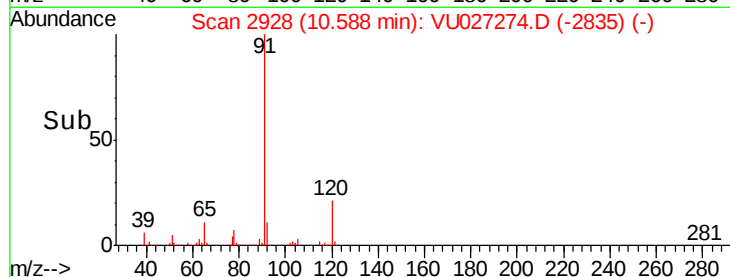
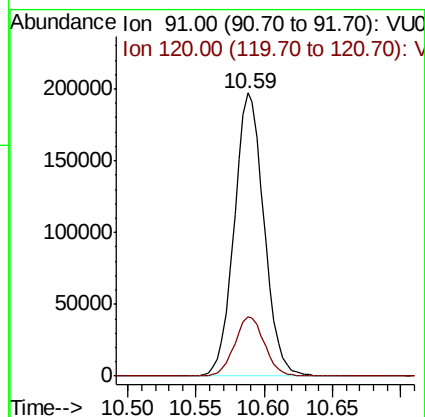
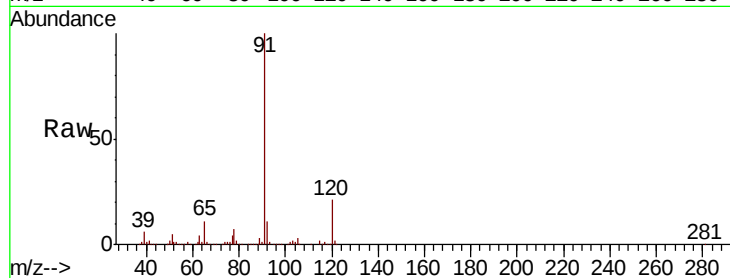
S13-0245

Tot Ion: 91 Resp: 298163

Ion Ratio Lower Upper

91 100

120 21.1 10.6 31.8



#83

tert-Butylbenzene

Concen: 2.511 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

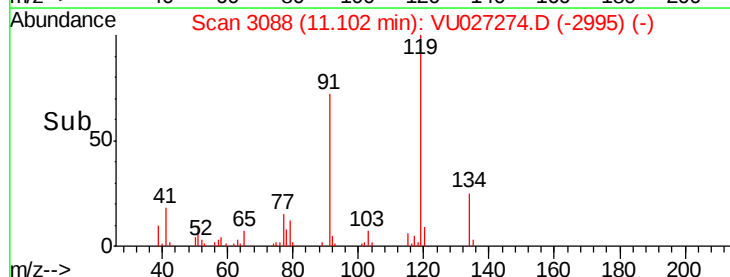
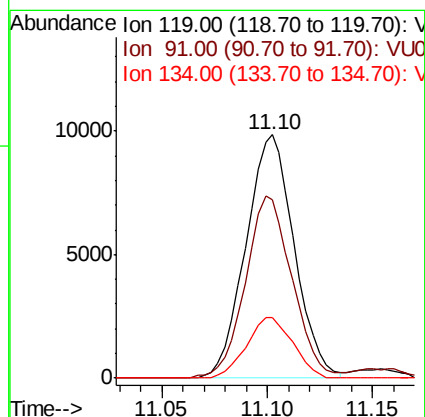
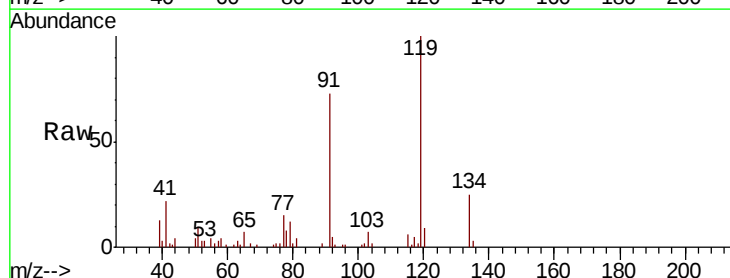
Tgt Ion: 119 Resp: 15660

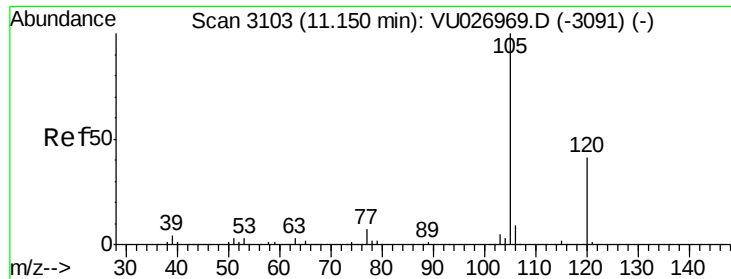
Ion Ratio Lower Upper

119 100

91 72.4 29.8 89.4

134 23.8 11.5 34.4

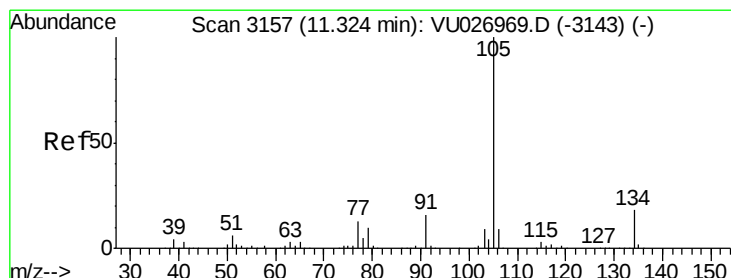
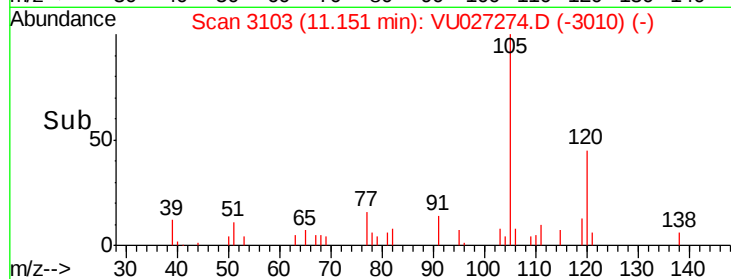
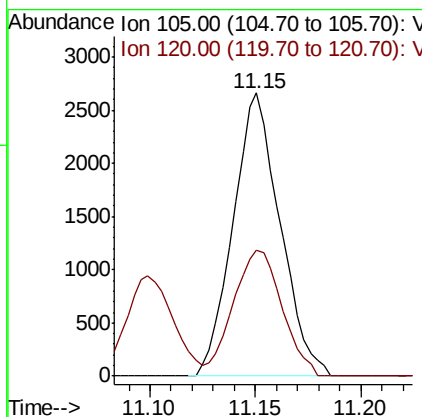
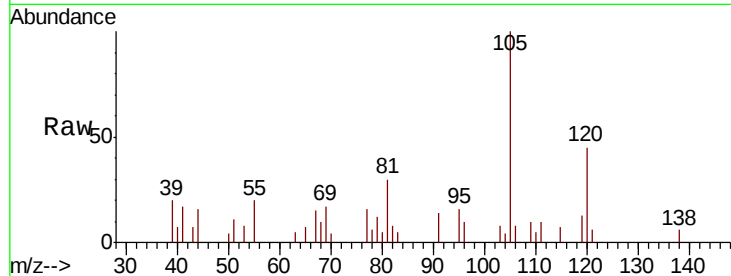




#84
 1,2,4-Trimethylbenzene
 Concen: 0.640 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

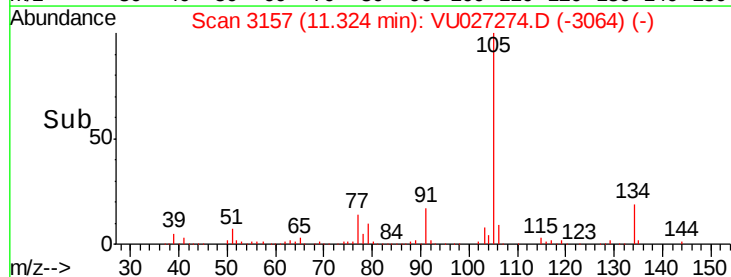
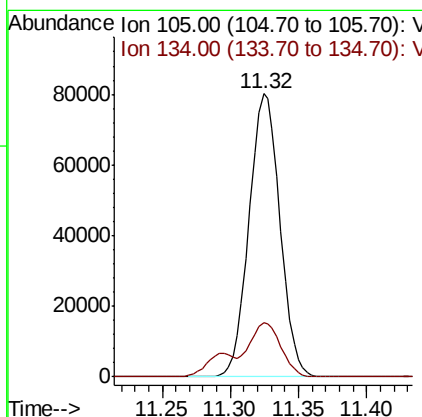
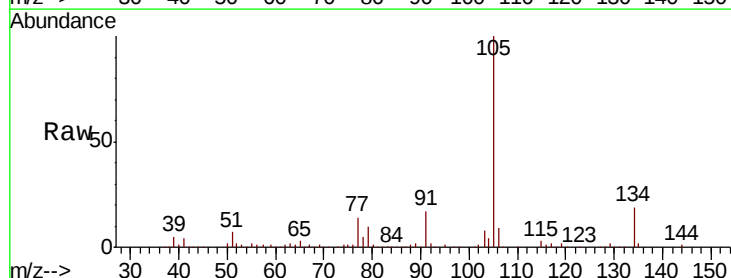
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0245

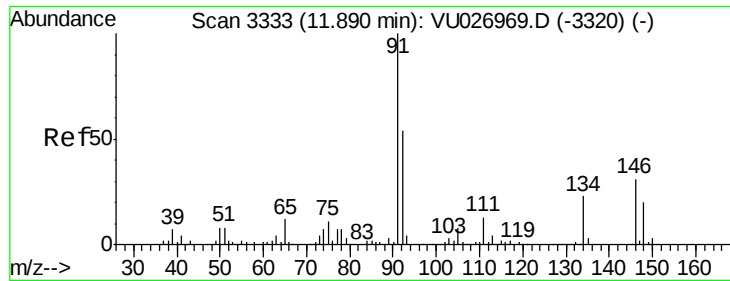
Tot Ion:105 Resp: 4112
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.4 67.2



#85
 sec-Butylbenzene
 Concen: 16.563 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027274.D
 Acq: 28 Sep 2018 16:15

Tgt Ion:105 Resp: 126102
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.4 28.2





#89

n-Butylbenzene

Concen: 6.848 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

S13-0245

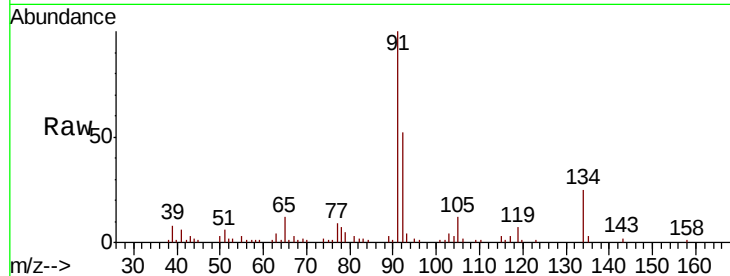
Tot Ion: 91 Resp: 32407

Ion Ratio Lower Upper

91 100

92 45.1 27.1 81.2

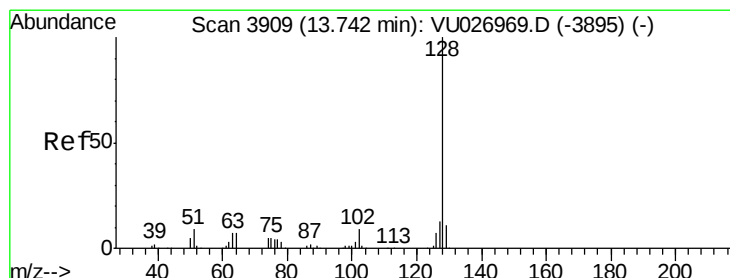
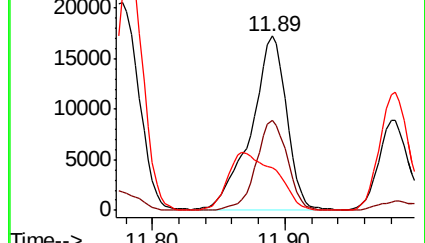
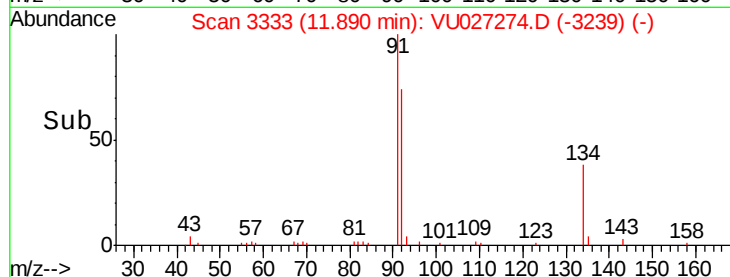
134 0.0 11.7 35.0#



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)



#95

Naphthalene

Concen: 21.552 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027274.D

Acq: 28 Sep 2018 16:15

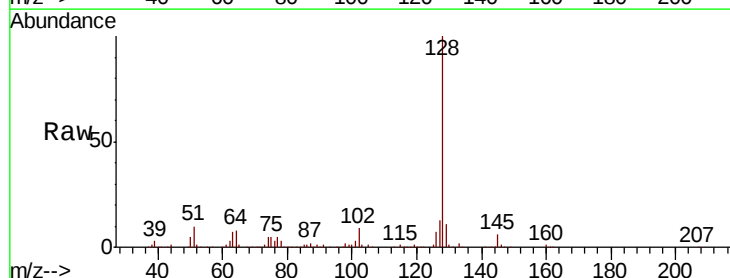
Tgt Ion: 128 Resp: 170990

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

129 12.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

