

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120518\
 Data File : VU028469.D
 Acq On : 05 Dec 2018 10:54
 Operator : MD/SY
 Sample : VU1205WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBL01

Quant Time: Dec 06 01:30:47 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	411917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	753179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	681810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	301181	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	307373	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	
35) Dibromofluoromethane	4.88	113	241849	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	7.56	98	955393	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	10.30	95	336730	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	

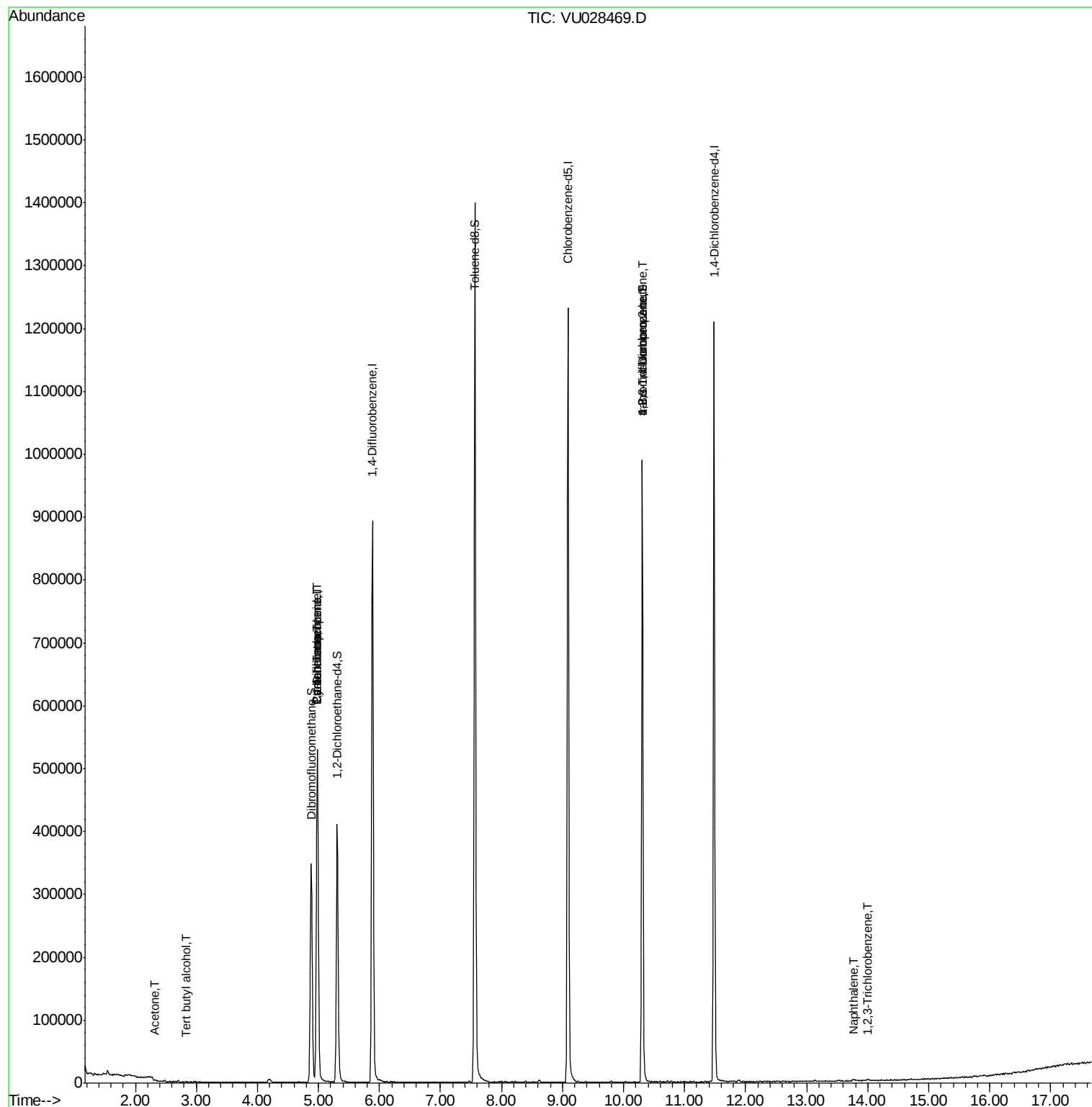
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	516	0.330	ug/l #	72
16) Acetone	2.33	43	914	0.217	ug/l	94
31) Cyclohexane	4.98	56	9126	0.414	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	34871	4.231	ug/l #	50
38) Carbon Tetrachloride	4.98	117	38346	5.666	ug/l #	16
76) 1,2,3-Trichloropropane	10.30	75	169175	20.256	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	169175	53.768	ug/l #	100
95) Naphthalene	13.75	128	3556	2.968	ug/l #	78
96) 1,2,3-Trichlorobenzene	13.99	180	1558	0.234	ug/l	65

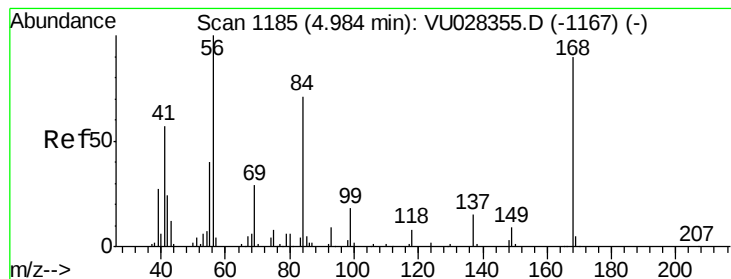
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120518\
Data File : VU028469.D
Acq On : 05 Dec 2018 10:54
Operator : MD/SY
Sample : VU1205WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1205WBL01

Quant Time: Dec 06 01:30:47 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: VU028469.D

Acq: 05 Dec 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

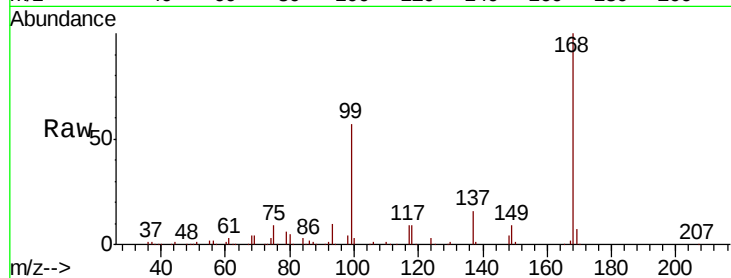
VU1205WBL01

Tot Ion:168 Resp: 411917

Ion Ratio Lower Upper

168 100

99 56.5 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

200000

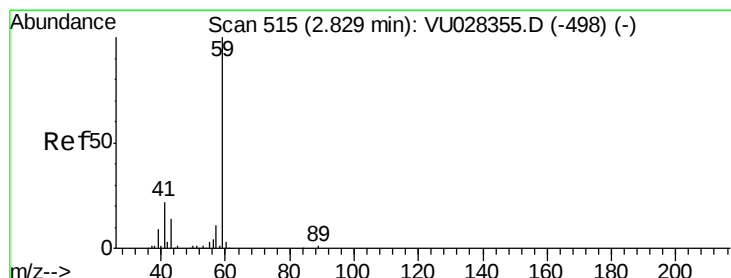
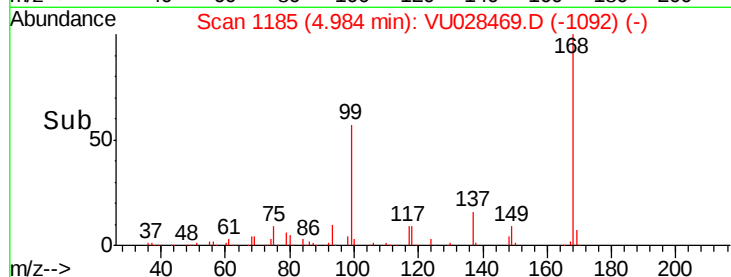
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.330 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028469.D

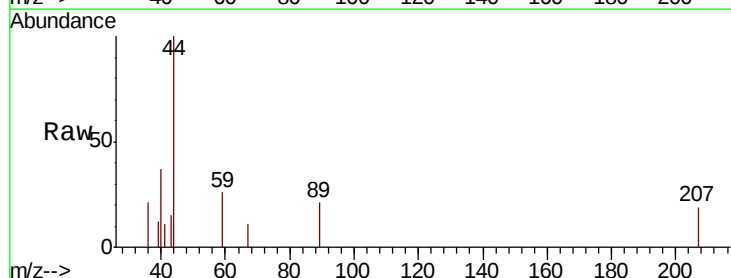
Acq: 05 Dec 2018 10:54

Tgt Ion: 59 Resp: 516

Ion Ratio Lower Upper

59 100

57 0.0 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) (-)

2.83

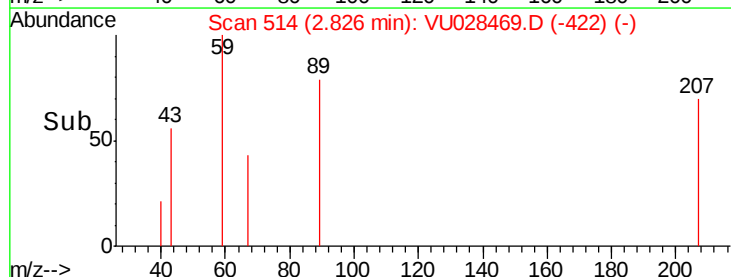
300

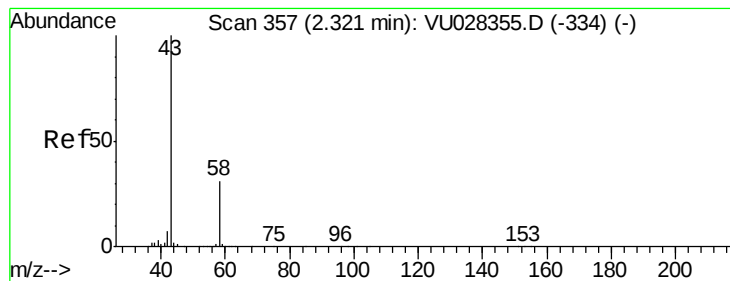
200

100

0

Time-->





#16

Acetone

Concen: 0.217 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

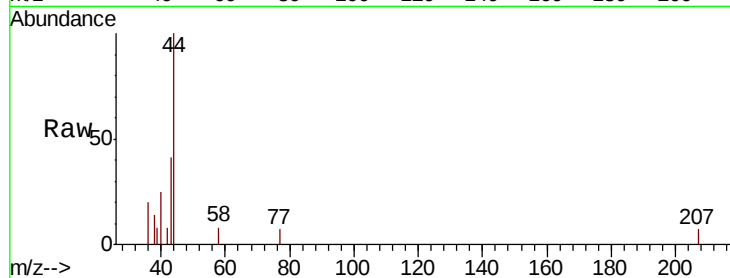
VU1205WBL01

Tot Ion: 43 Resp: 914

Ion Ratio Lower Upper

43 100

58 27.3 24.4 36.6

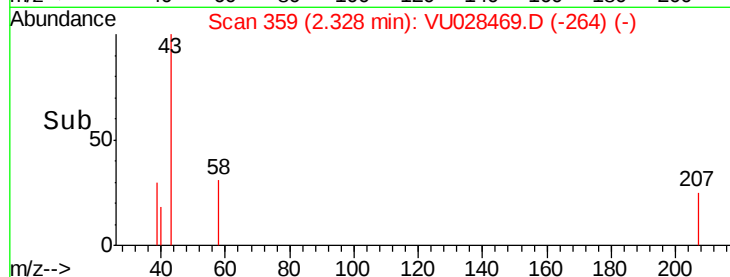


Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-334) (-)

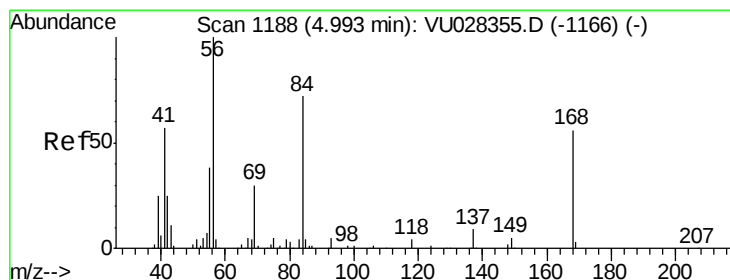
Ion 58.00 (57.70 to 58.70): VU028355.D (-334) (-)

2.33

2.30 2.35



Time-->



#31

Cyclohexane

Concen: 0.414 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

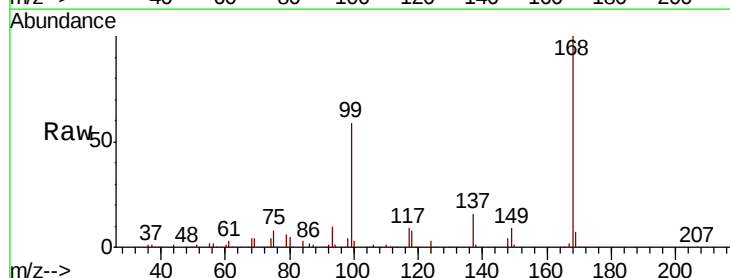
Tgt Ion: 56 Resp: 9126

Ion Ratio Lower Upper

56 100

69 180.6 23.7 35.5#

84 140.8 57.3 85.9#



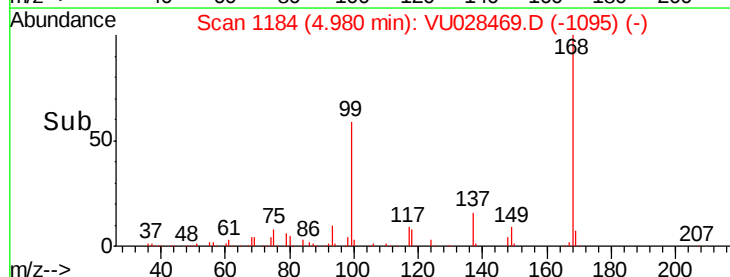
Abundance Ion 56.00 (55.70 to 56.70): VU028355.D (-1166) (-)

Ion 69.00 (68.70 to 69.70): VU028355.D (-1166) (-)

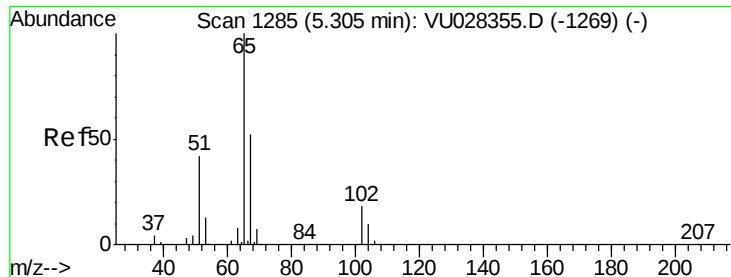
Ion 84.00 (83.70 to 84.70): VU028355.D (-1166) (-)

4.98

4.90 4.95 5.00 5.05



Time-->



#33

1,2-Dichloroethane-d4

Concen: 44.649 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

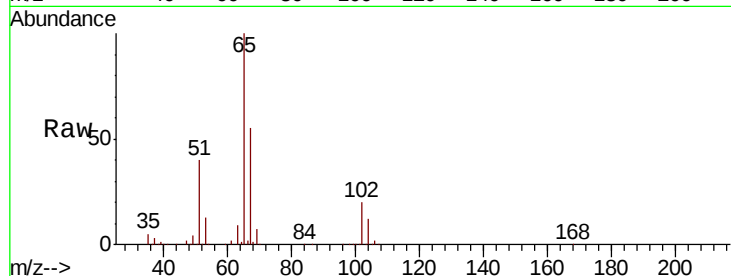
VU1205WBL01

Tot Ion: 65 Resp: 307373

Ion Ratio Lower Upper

65 100

67 54.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU028355.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028355.D (-1269) (-)

5.31

150000

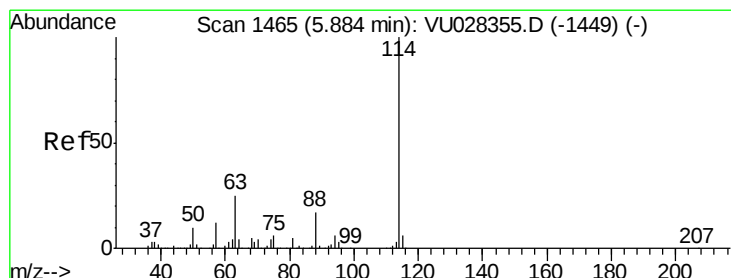
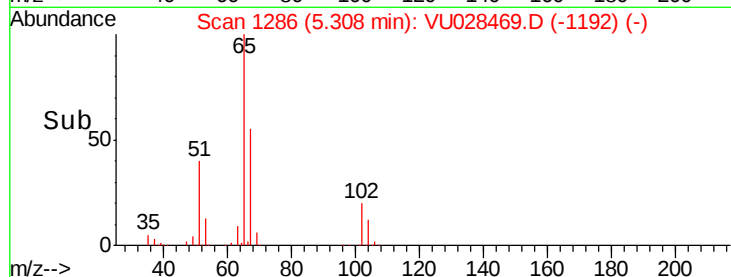
100000

50000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

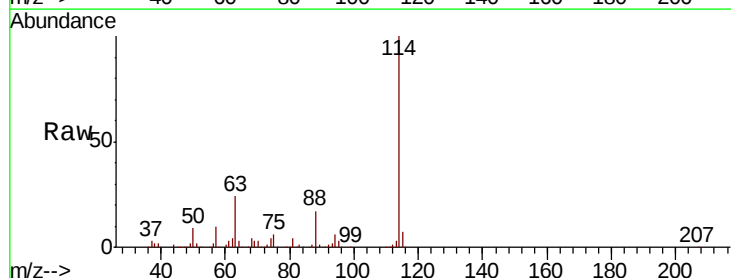
Tgt Ion: 114 Resp: 753179

Ion Ratio Lower Upper

114 100

63 23.9 0.0 50.0

88 17.0 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VU028355.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028355.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028355.D (-1449) (-)

5.88

500000

400000

300000

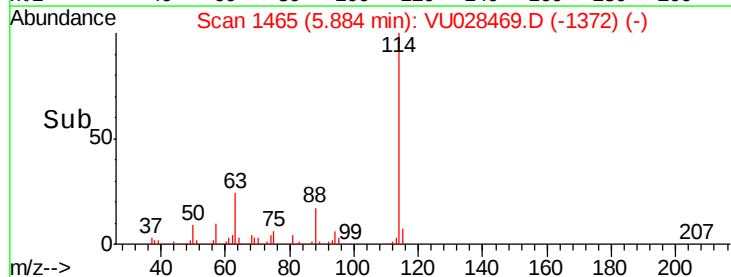
200000

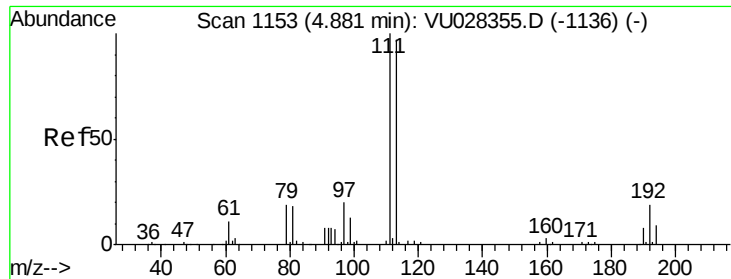
100000

0

Time-->

5.80 5.90 6.00

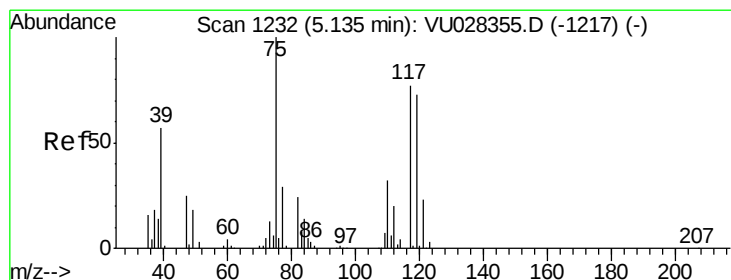
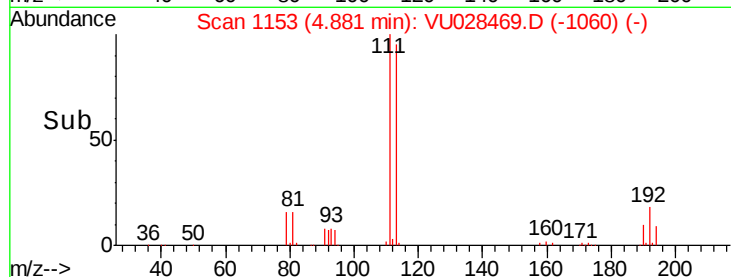
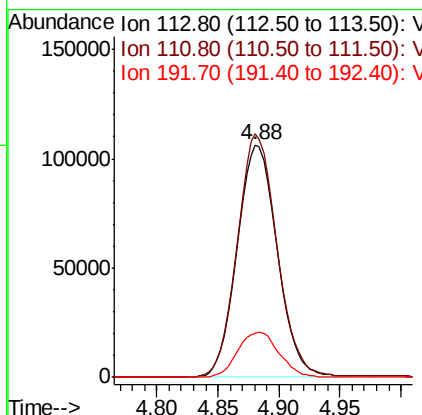
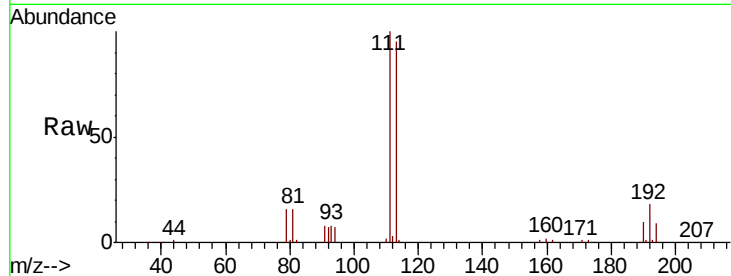




#35
 Dibromofluoromethane
 Concen: 48.289 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU028469.D
 Acq: 05 Dec 2018 10:54

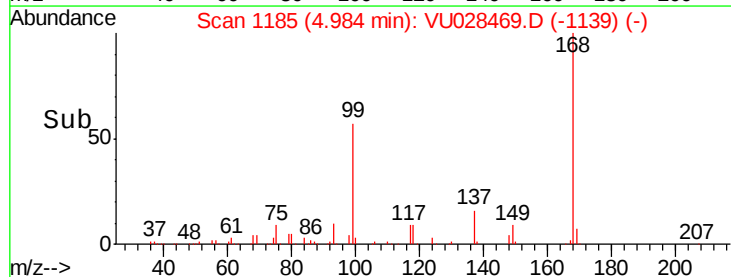
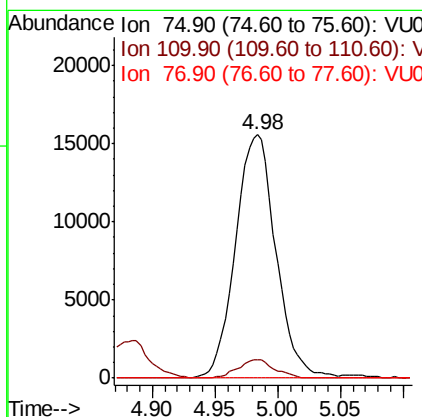
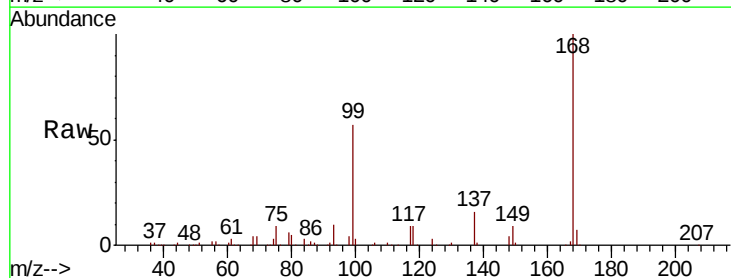
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBL01

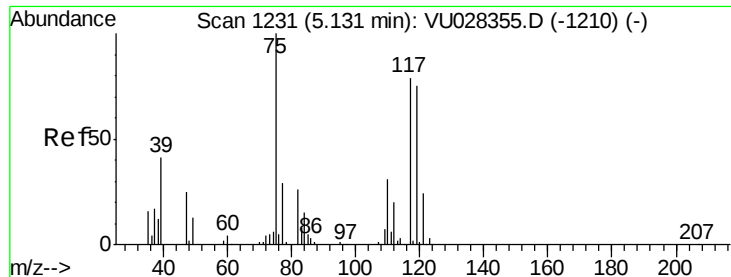
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	20.2	15.4	23.0



#36
 1,1-Dichloropropene
 Concen: 4.231 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028469.D
 Acq: 05 Dec 2018 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	15.8	47.4#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.666 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBL01

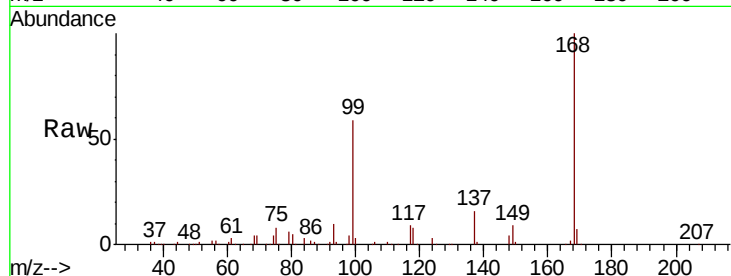
Tot Ion:117 Resp: 38346

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

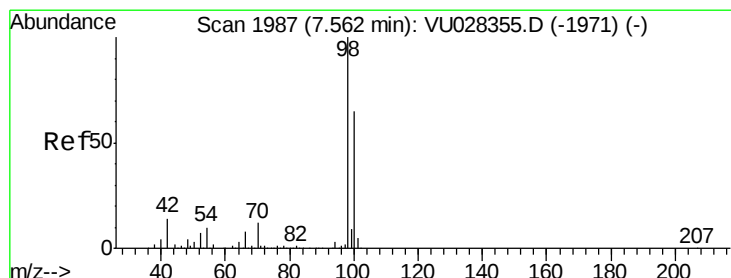
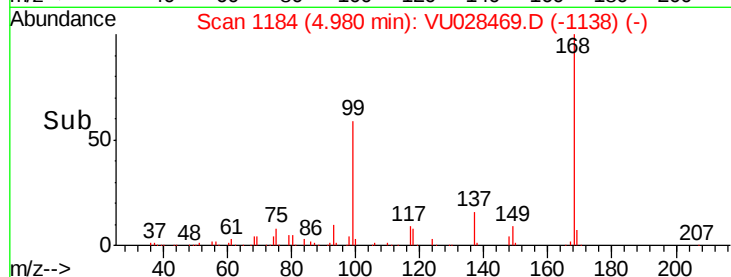
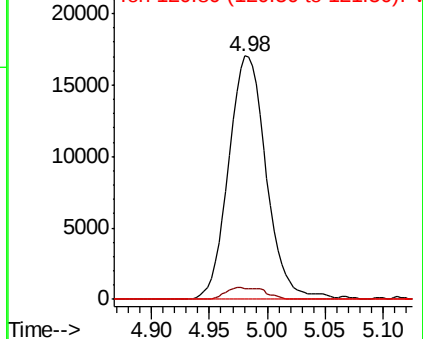
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.699 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU028469.D

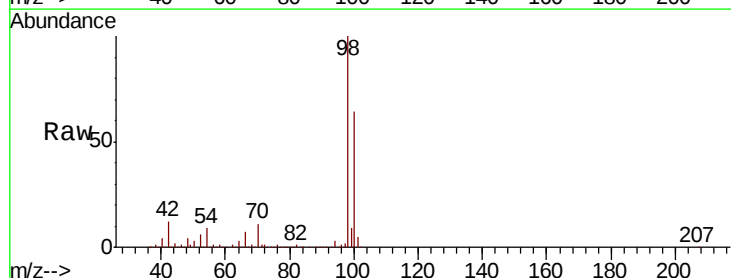
Acq: 05 Dec 2018 10:54

Tgt Ion: 98 Resp: 955393

Ion Ratio Lower Upper

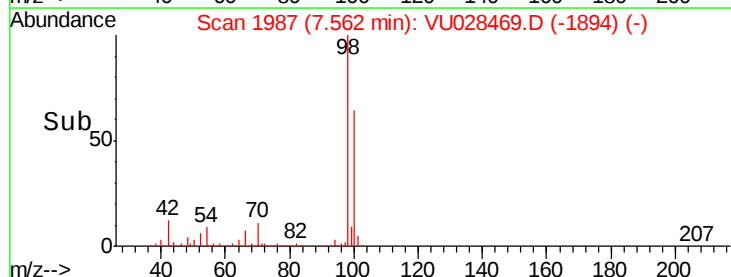
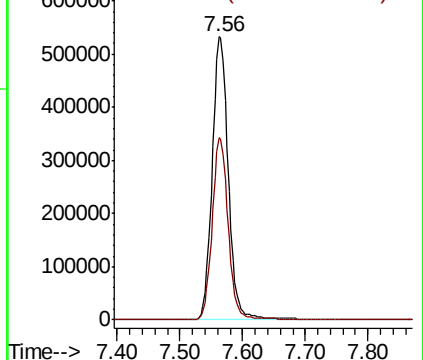
98 100

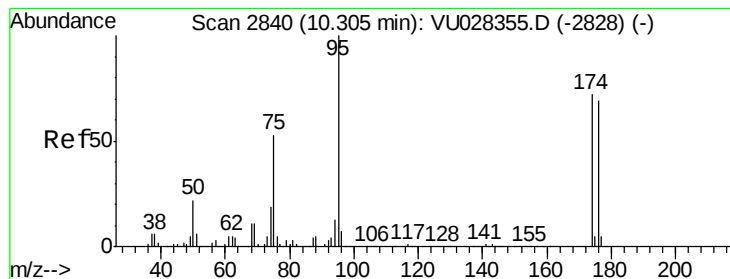
100 63.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 46.643 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBL01

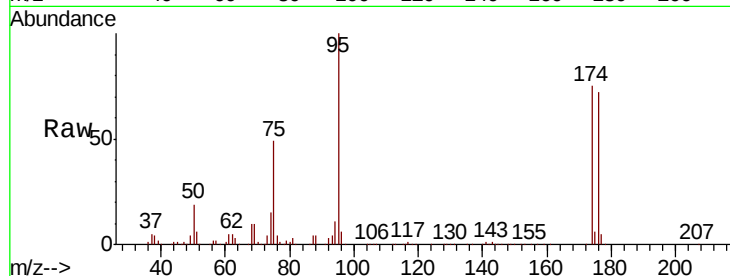
Tot Ion: 95 Resp: 336730

Ion Ratio Lower Upper

95 100

174 76.5 0.0 145.4

176 73.6 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU028469.D (-2369) (-)

Ion 173.80 (173.50 to 174.50): VU028469.D (-2369) (-)

Ion 175.80 (175.50 to 176.50): VU028469.D (-2369) (-)

250000

200000

150000

100000

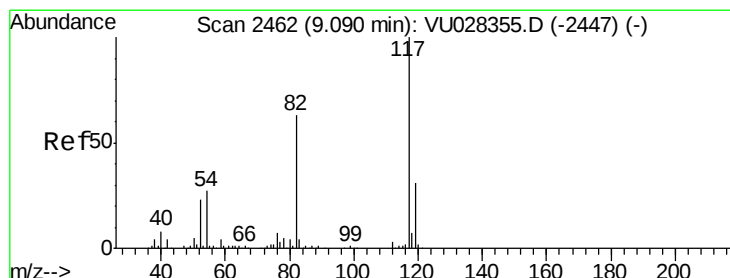
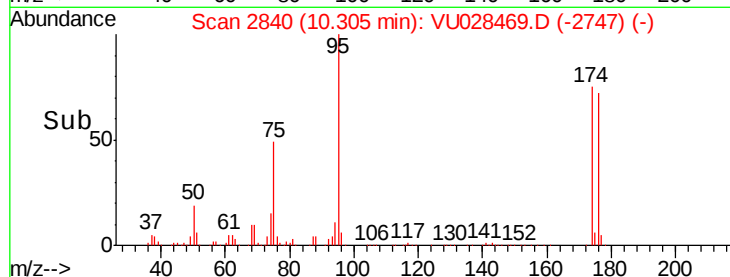
50000

0

10.30

10.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

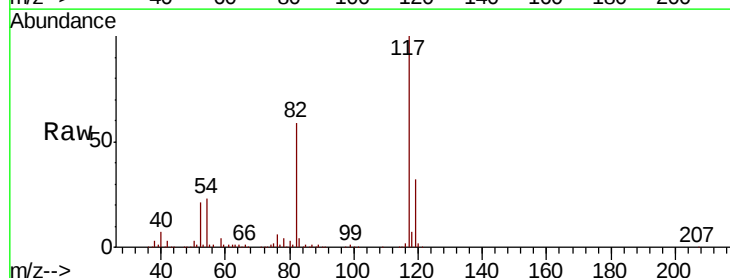
Tgt Ion: 117 Resp: 681810

Ion Ratio Lower Upper

117 100

82 59.4 50.3 75.5

119 32.4 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): VU028469.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028469.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028469.D (-2369) (-)

500000

400000

300000

200000

100000

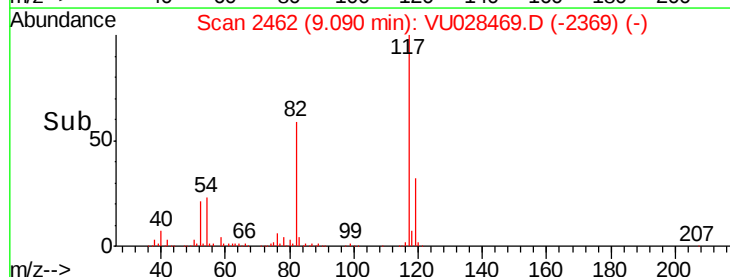
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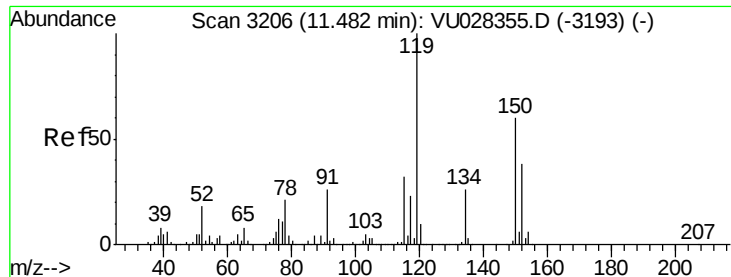
9.09

9.20

9.30

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBL01

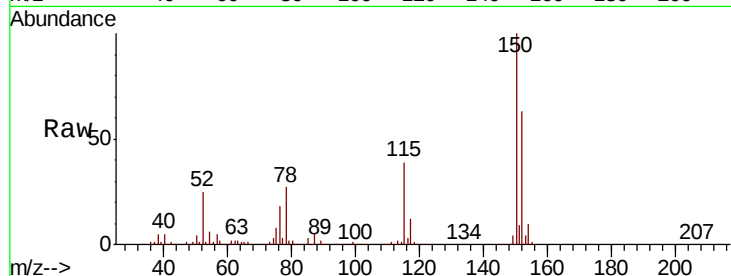
Tot Ion:152 Resp: 301181

Ion Ratio Lower Upper

152 100

115 60.6 45.0 134.8

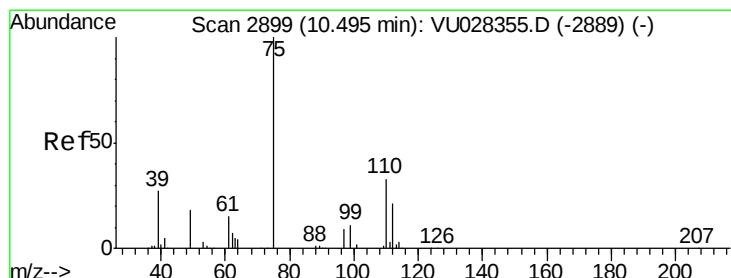
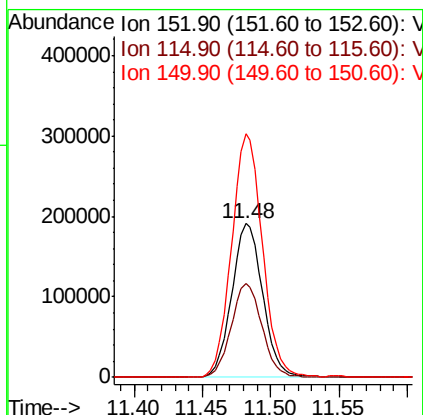
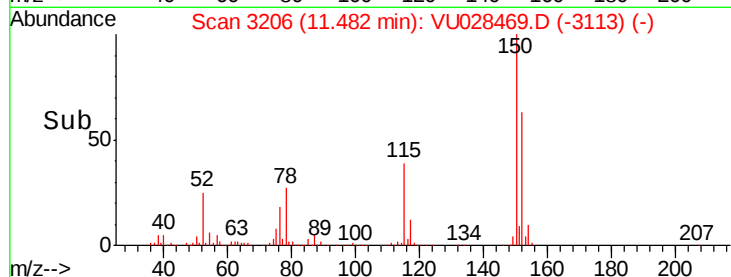
150 157.3 0.0 349.2



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: 20.256 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028469.D

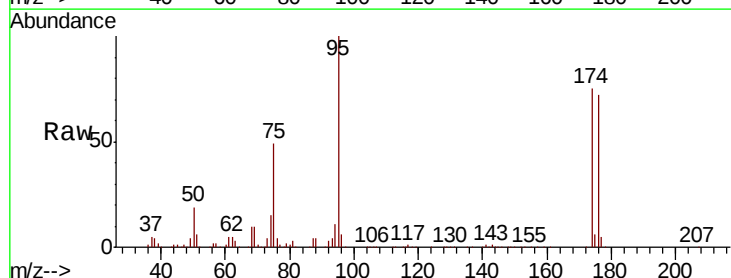
Acq: 05 Dec 2018 10:54

Tgt Ion: 75 Resp: 169175

Ion Ratio Lower Upper

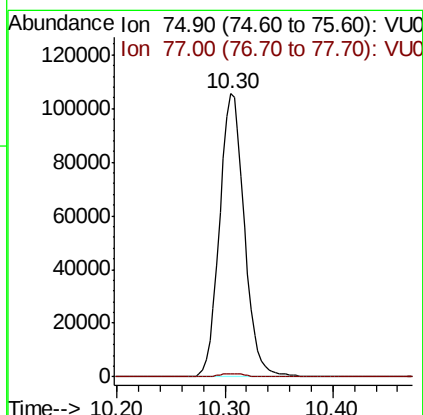
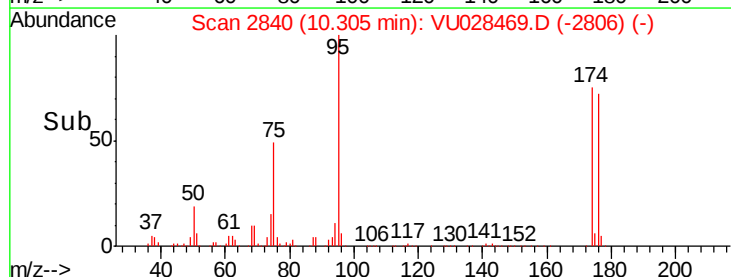
75 100

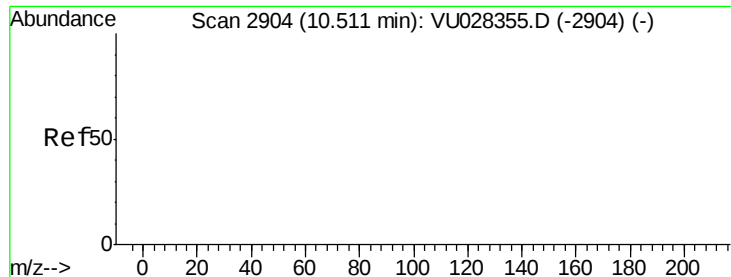
77 1.2 22.4 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.768 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

VU1205WBL01

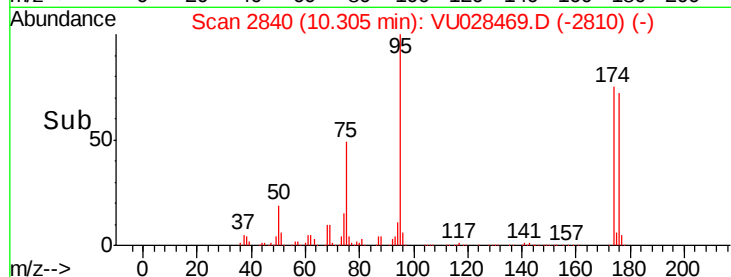
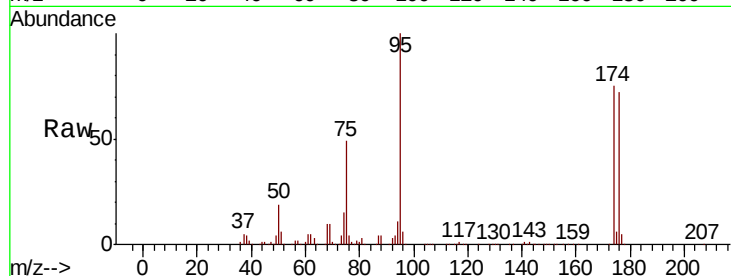
Tot Ion: 75 Resp: 169175

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

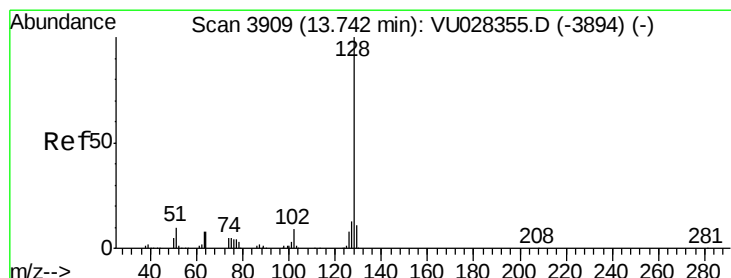
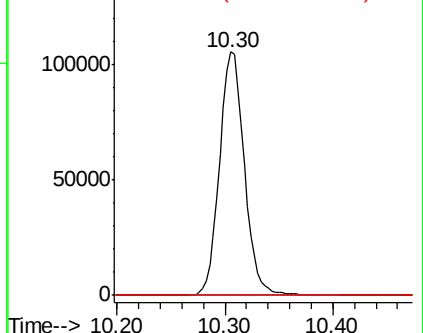
89 0.0 0.0 0.0



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: 2.968 ug/l

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU028469.D

Acq: 05 Dec 2018 10:54

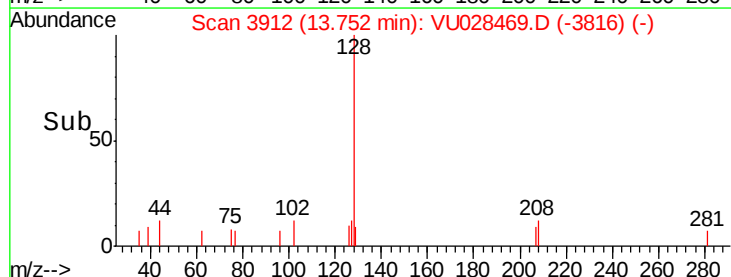
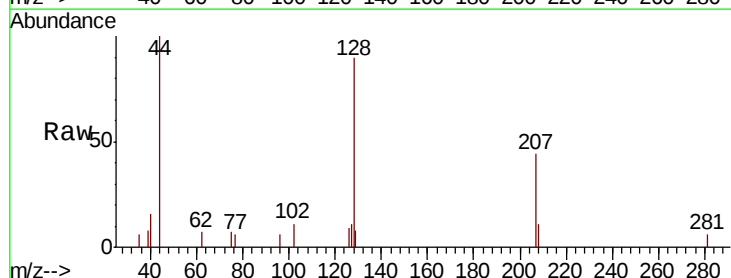
Tgt Ion:128 Resp: 3556

Ion Ratio Lower Upper

128 100

127 3.7 10.6 15.8#

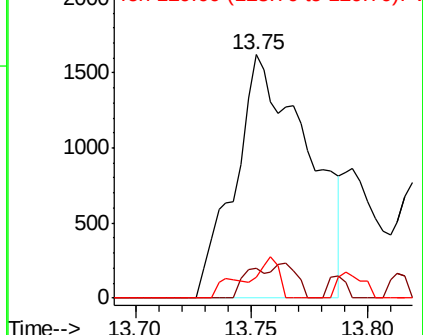
129 3.1 8.6 12.8#

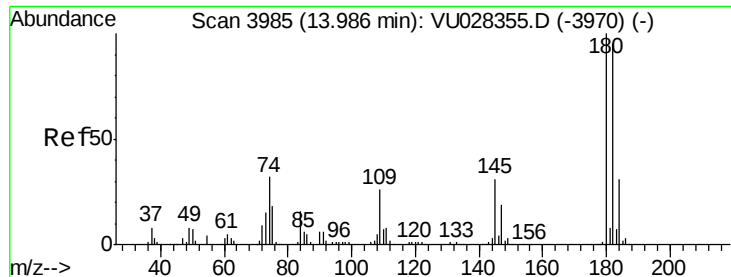


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.234 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU028469.D
 Acq: 05 Dec 2018 10:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1205WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	56.9	47.7	143.1
145	20.1	15.7	47.1

