

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112918\
 Data File : VU028381.D
 Acq On : 29 Nov 2018 10:14
 Operator : MD/SY
 Sample : VU1129WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 07:00:17 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	252804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	479850	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	431160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	166293	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	222970	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	4.88	113	162900	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	7.57	98	631449	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	10.30	95	207141	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

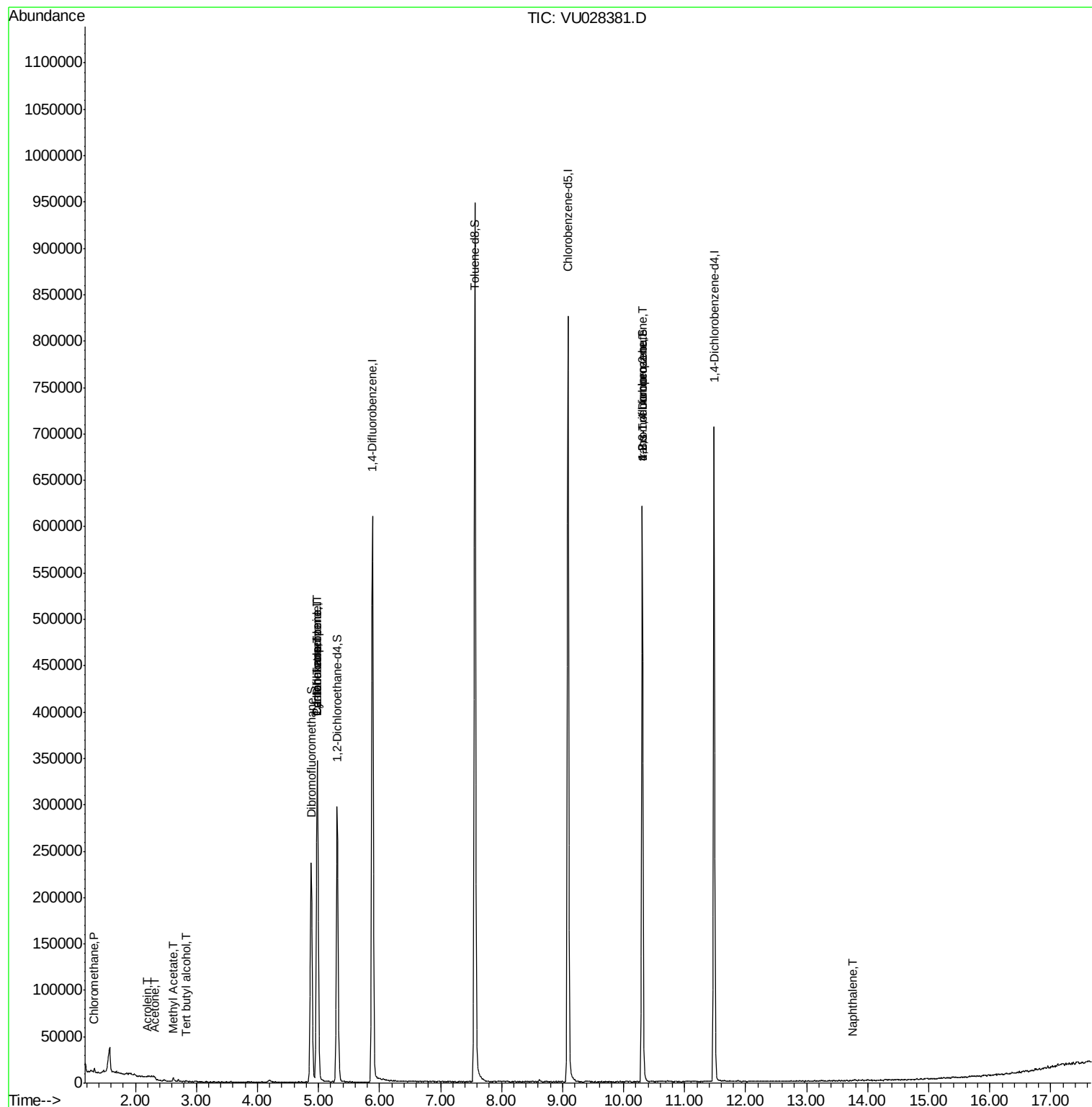
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3220	0.490	ug/l #	88
11) Tert butyl alcohol	2.83	59	300	0.313	ug/l #	72
13) Acrolein	2.20	56	252	0.295	ug/l #	35
16) Acetone	2.33	43	1411	0.546	ug/l #	44
18) Methyl Acetate	2.62	43	4051	0.563	ug/l	99
31) Cyclohexane	4.98	56	6831	0.590	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	23878	4.547	ug/l #	51
38) Carbon Tetrachloride	4.98	117	25958	6.020	ug/l #	15
76) 1,2,3-Trichloropropane	10.30	75	110994	24.069	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	110994	63.892	ug/l #	100
95) Naphthalene	13.76	128	545	2.872	ug/l #	69

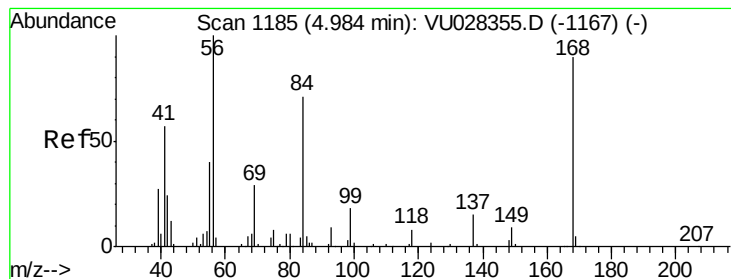
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU112918\
Data File : VU028381.D
Acq On : 29 Nov 2018 10:14
Operator : MD/SY
Sample : VU1129WBL01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Nov 30 07:00:17 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: VU028381.D

Acq: 29 Nov 2018 10:14

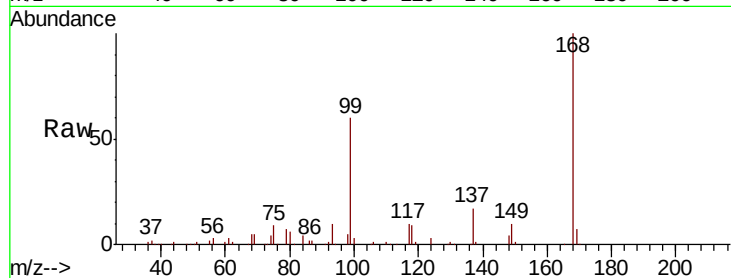
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 252804

Ion Ratio Lower Upper

168 100

99 60.2 49.6 74.4



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

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

4.98

120000

100000

80000

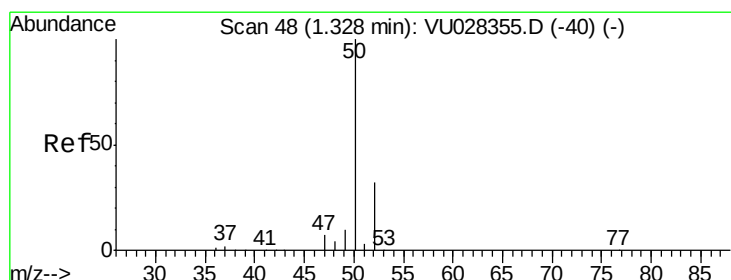
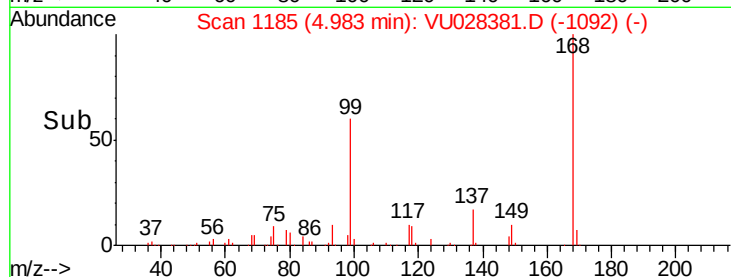
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.490 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028381.D

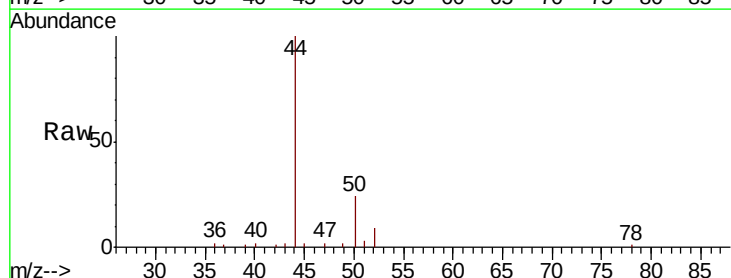
Acq: 29 Nov 2018 10:14

Tgt Ion: 50 Resp: 3220

Ion Ratio Lower Upper

50 100

52 38.4 25.4 38.2#



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

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

1.33

2500

2000

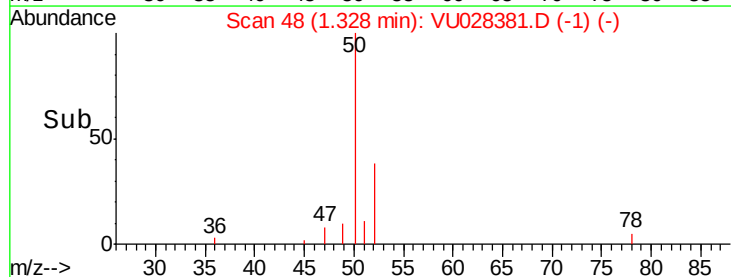
1500

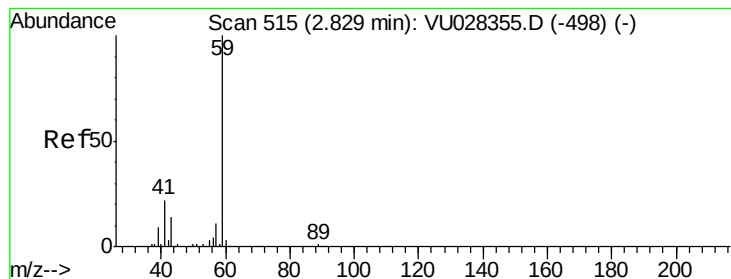
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 0.313 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU028381.D

Acq: 29 Nov 2018 10:14

Instrument :

MSVOA_U

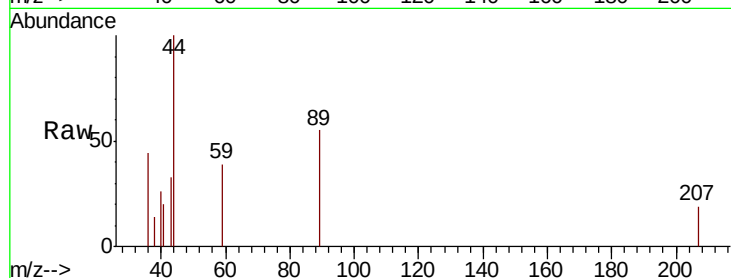
ClientSampled :

Tot Ion: 59 Resp: 300

Ion Ratio Lower Upper

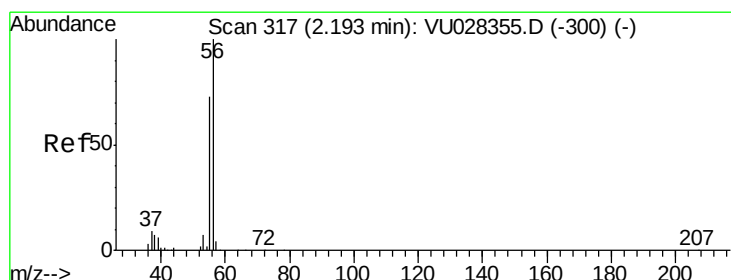
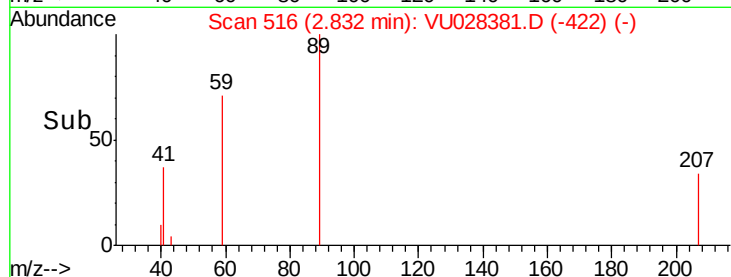
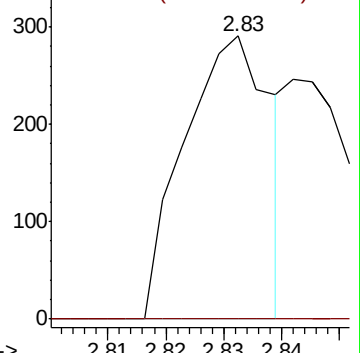
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#13

Acrolein

Concen: 0.295 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028381.D

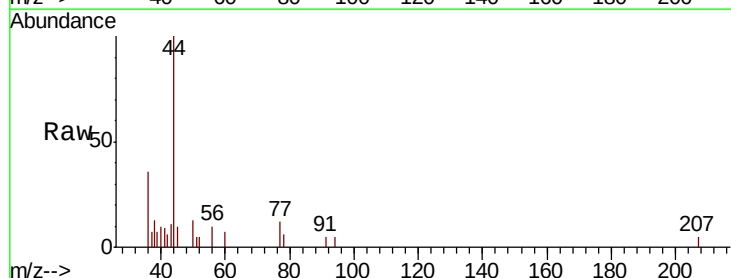
Acq: 29 Nov 2018 10:14

Tgt Ion: 56 Resp: 252

Ion Ratio Lower Upper

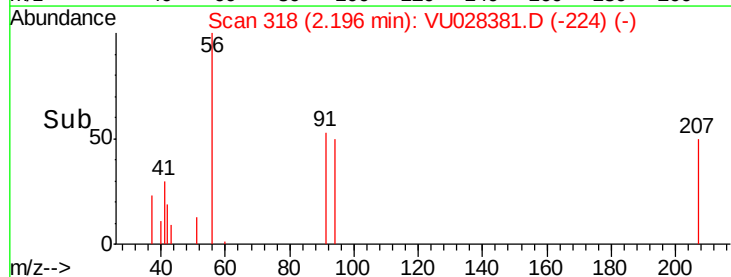
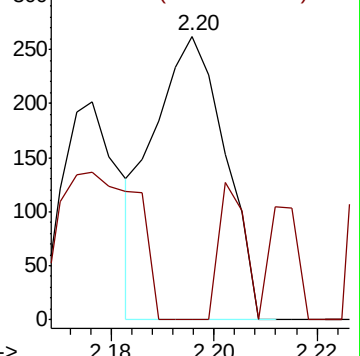
56 100

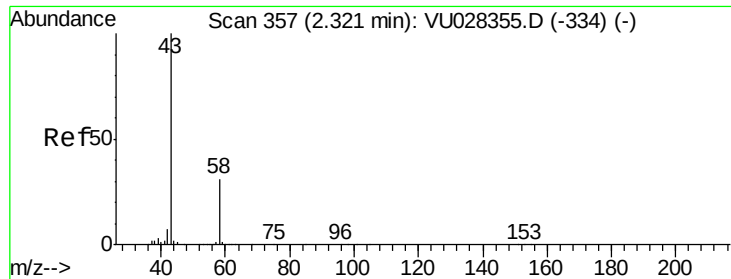
55 17.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 0.546 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU028381.D

Acq: 29 Nov 2018 10:14

Instrument :

MSVOA_U

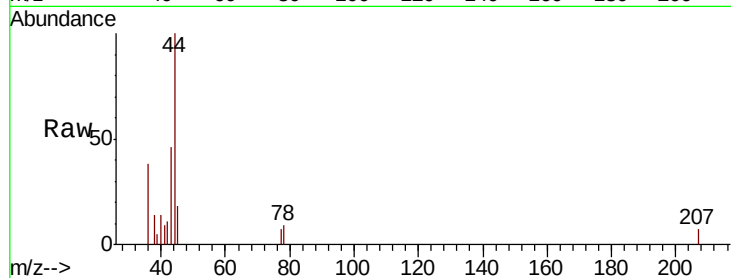
ClientSampleId :

Tot Ion: 43 Resp: 1411

Ion Ratio Lower Upper

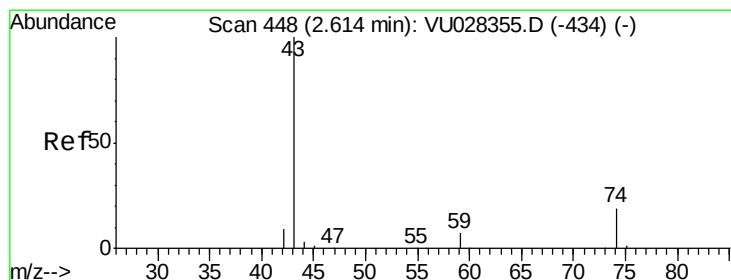
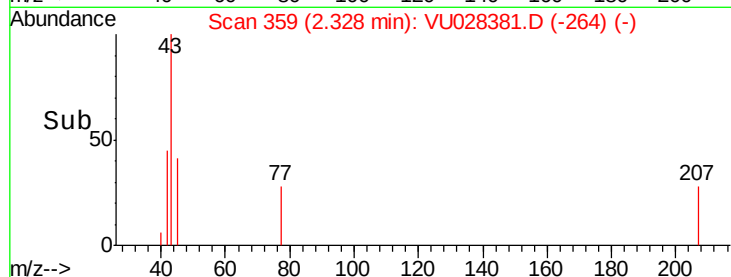
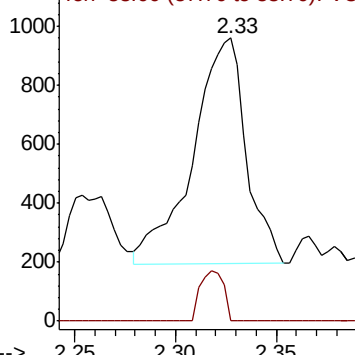
43 100

58 0.0 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.563 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028381.D

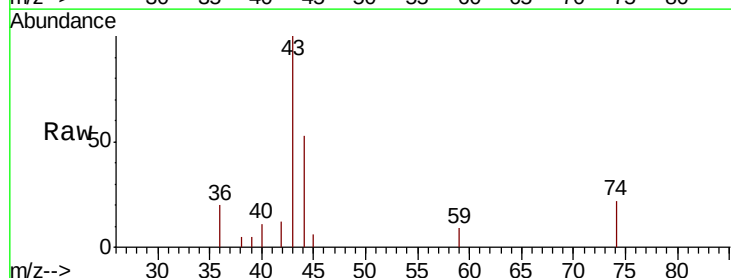
Acq: 29 Nov 2018 10:14

Tgt Ion: 43 Resp: 4051

Ion Ratio Lower Upper

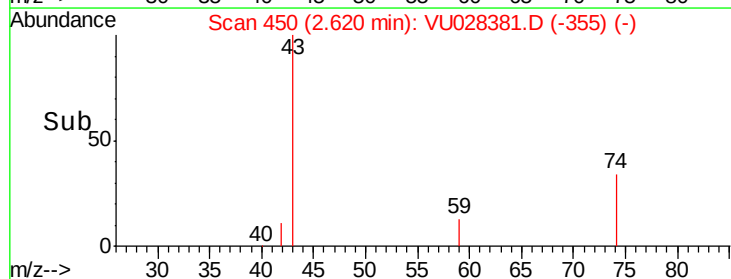
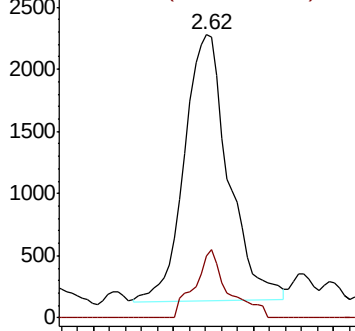
43 100

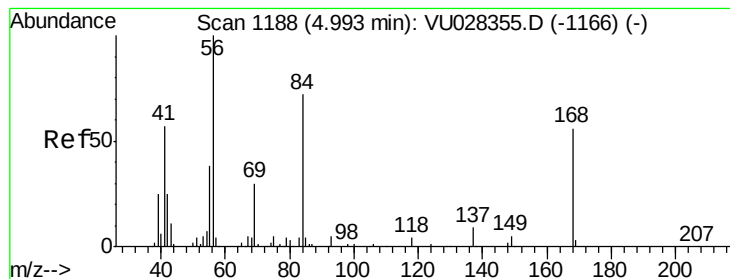
74 19.5 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#31

Cyclohexane

Concen: 0.590 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU028381.D

Acq: 29 Nov 2018 10:14

Instrument :
MSVOA_U
ClientSampled :

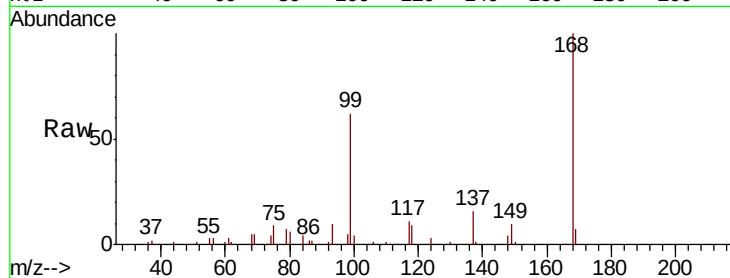
Tot Ion: 56 Resp: 6831

Ion Ratio Lower Upper

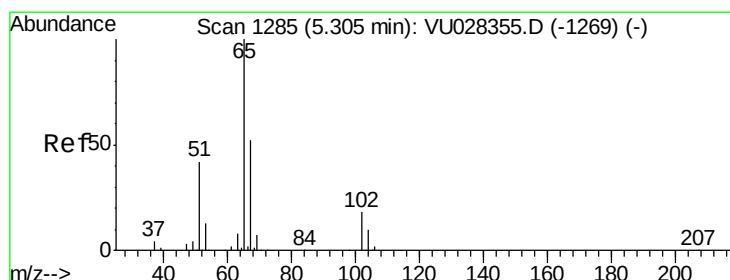
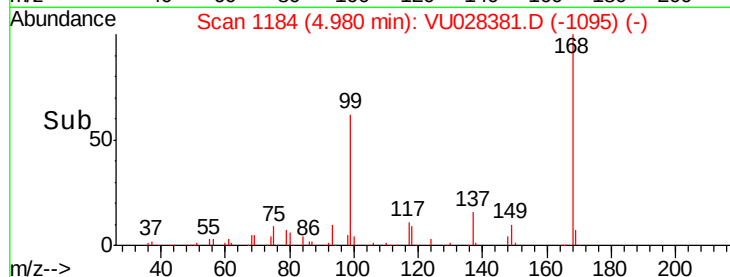
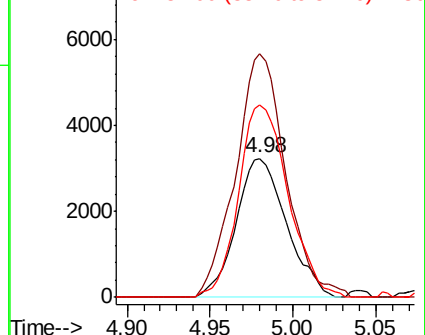
56 100

69 175.6 23.7 35.5#

84 138.5 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 52.774 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028381.D

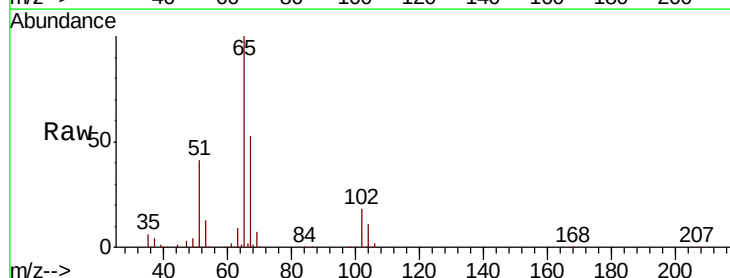
Acq: 29 Nov 2018 10:14

Tgt Ion: 65 Resp: 222970

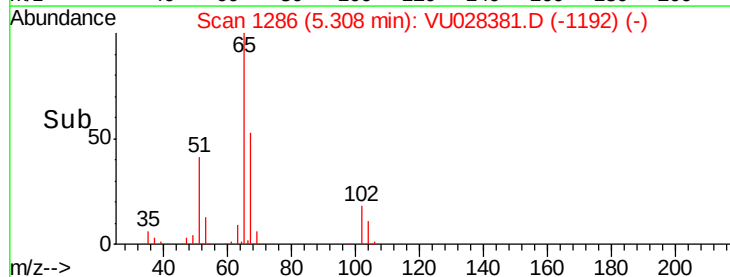
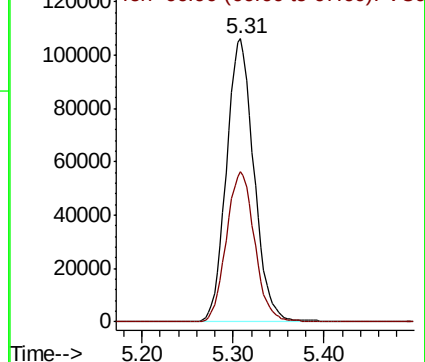
Ion Ratio Lower Upper

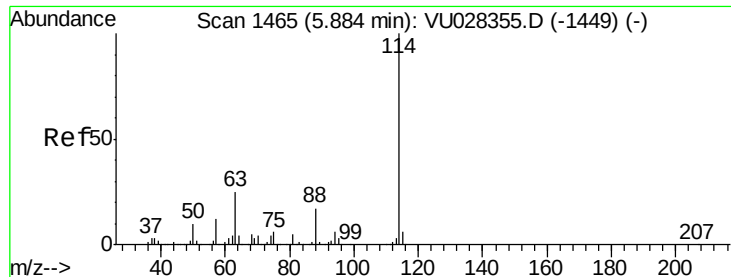
65 100

67 54.2 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: VU028381.D

Acq: 29 Nov 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :

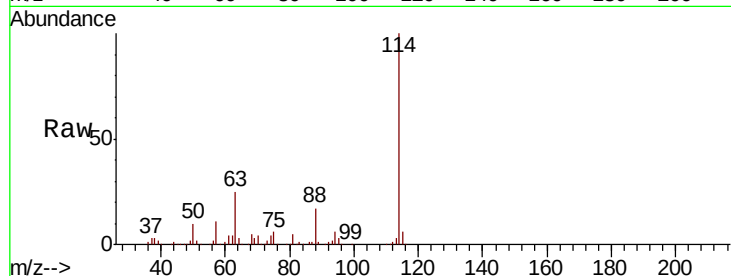
Tot Ion:114 Resp: 479850

Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.0

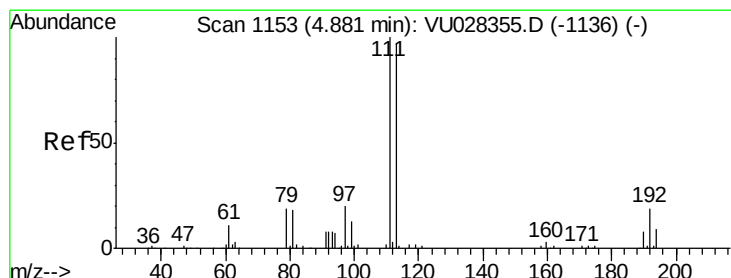
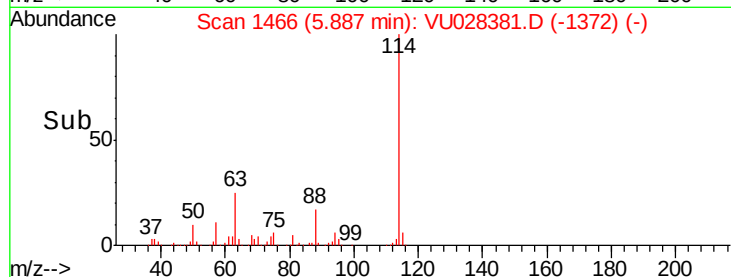
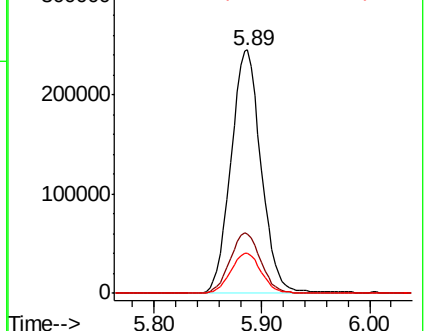
88 16.7 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 51.053 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028381.D

Acq: 29 Nov 2018 10:14

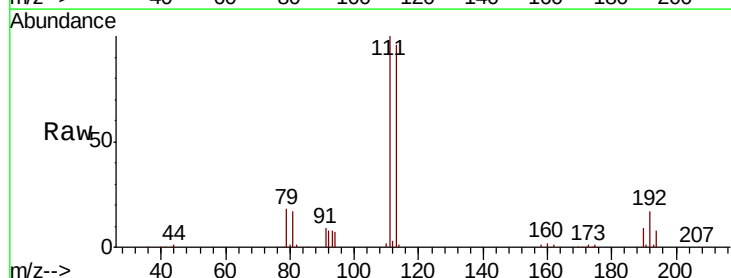
Tgt Ion:113 Resp: 162900

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

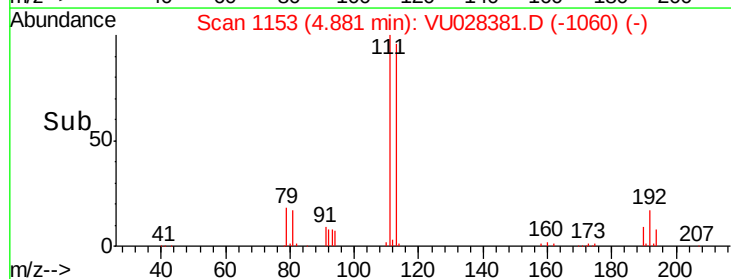
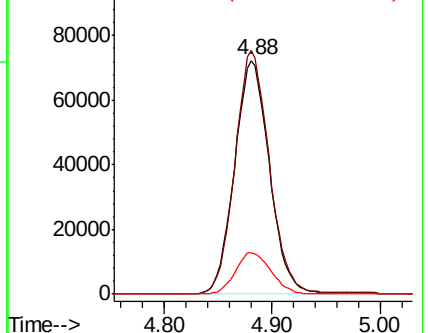
192 18.1 15.4 23.0

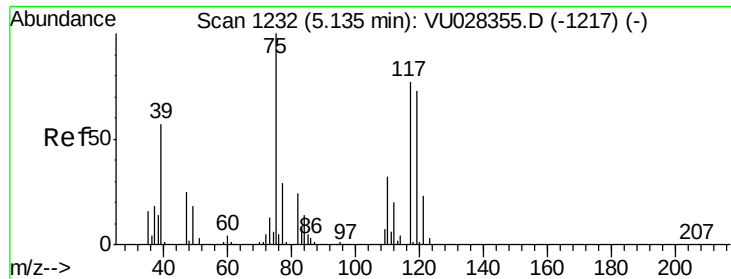


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

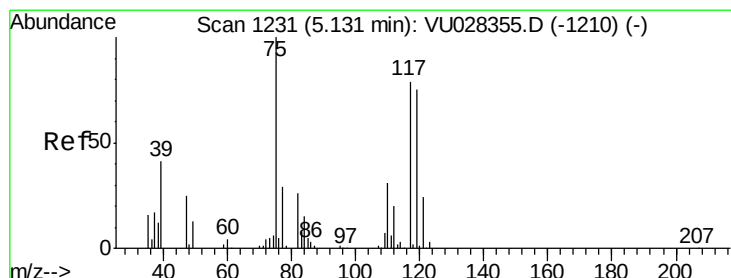
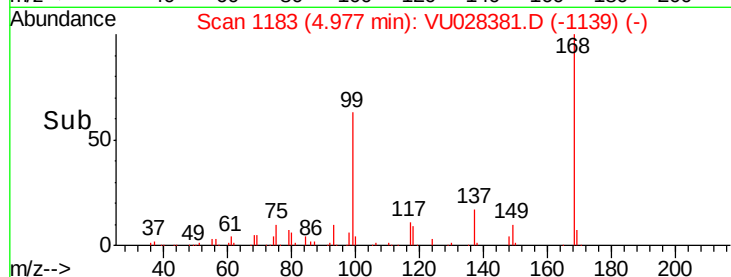
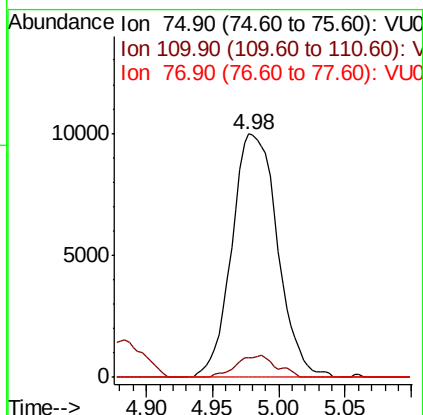
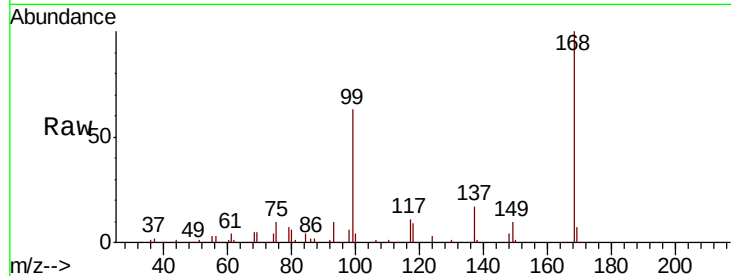




#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 4.98 min Scan# 1183
 Delta R.T. -0.16 min
 Lab File: VU028381.D
 Acq: 29 Nov 2018 10:14

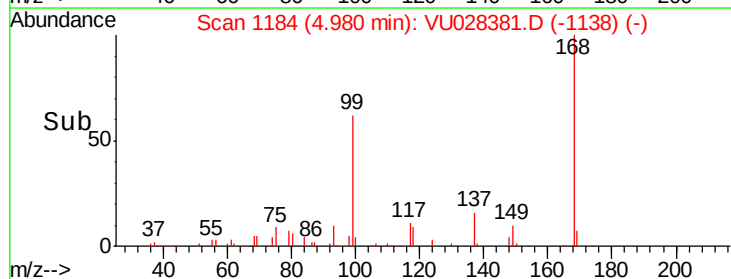
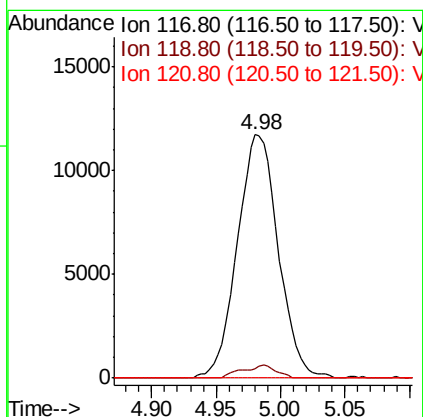
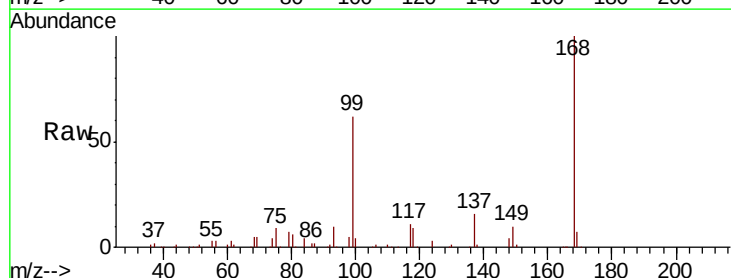
Instrument :
 MSVOA_U
 ClientSampled :

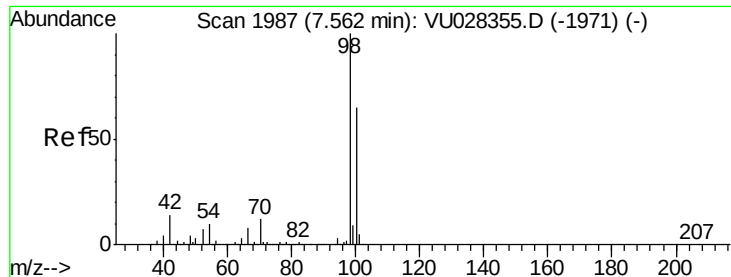
Tot Ion: 75 Resp: 23878
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.8 47.4#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.020 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU028381.D
 Acq: 29 Nov 2018 10:14

Tgt Ion: 117 Resp: 25958
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.3 114.5#
 121 0.0 24.7 37.1#

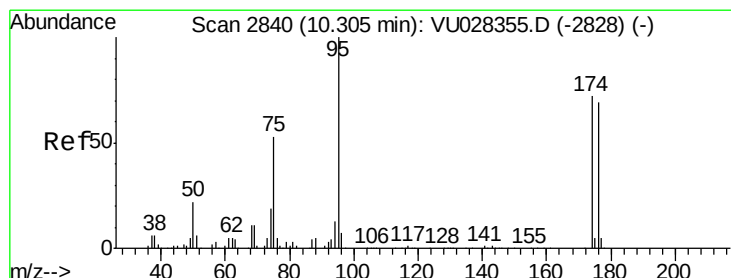
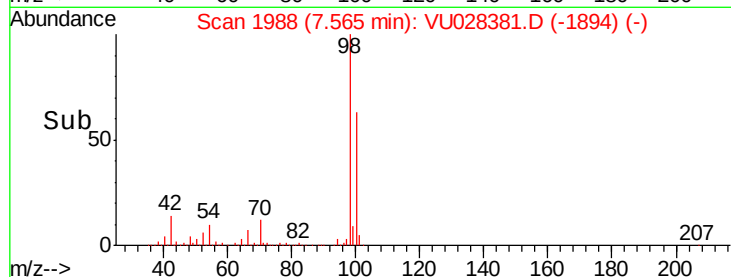
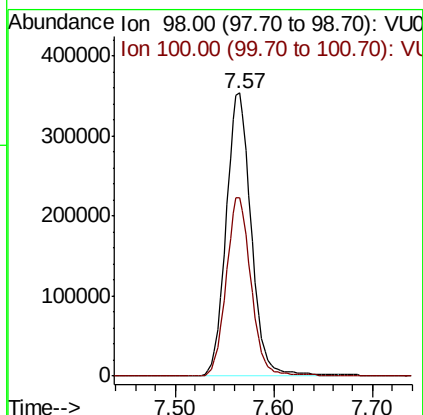
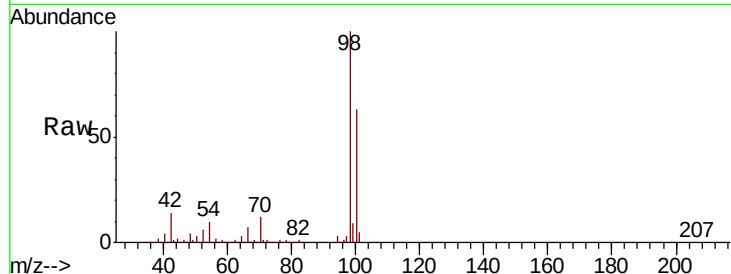




#50
Toluene-d8
Concen: 49.483 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028381.D
Acq: 29 Nov 2018 10:14

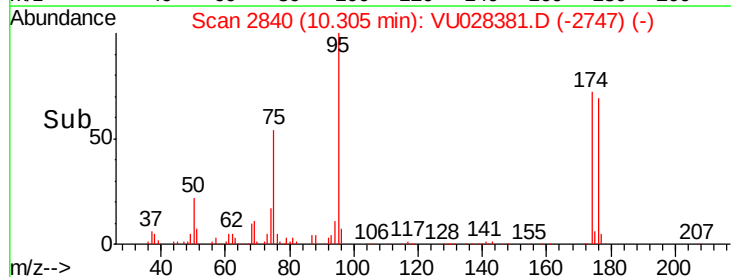
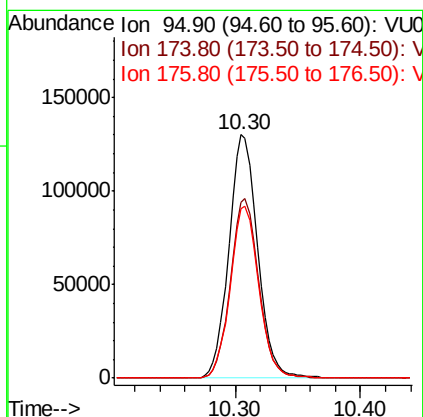
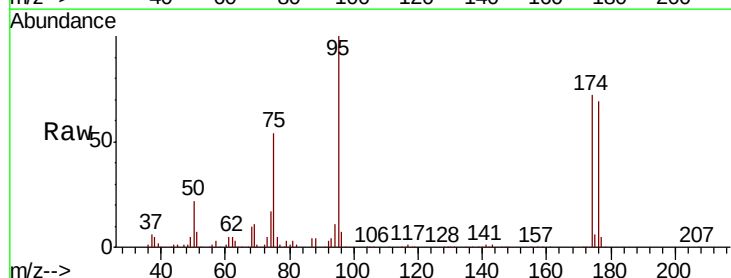
Instrument :
MSVOA_U
ClientSampleId :

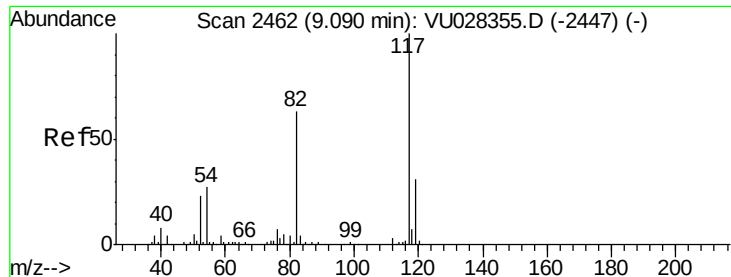
Tot Ion: 98 Resp: 631449
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 45.036 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028381.D
Acq: 29 Nov 2018 10:14

Tgt Ion: 95 Resp: 207141
Ion Ratio Lower Upper
95 100
174 72.9 0.0 145.4
176 70.4 0.0 140.8

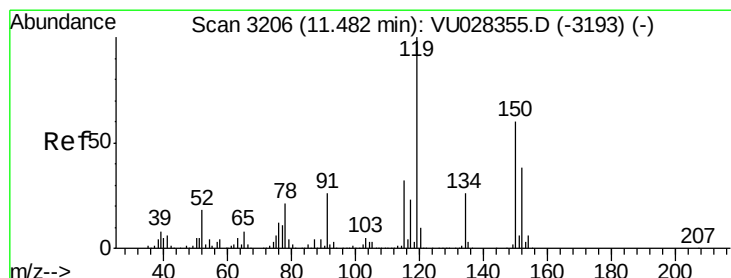
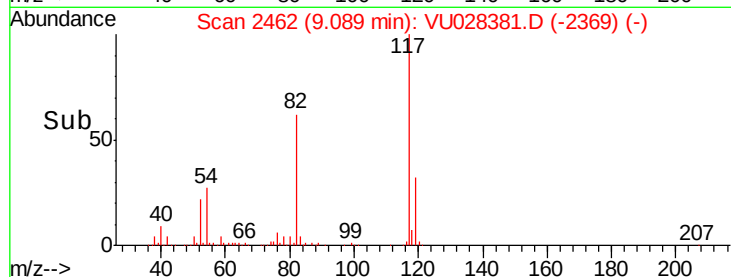
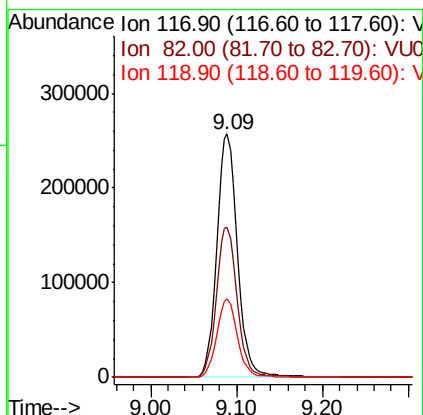
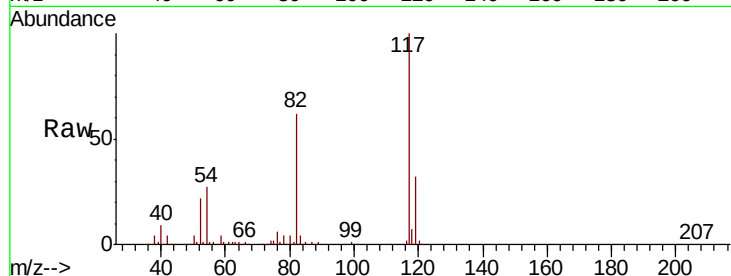




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028381.D
Acq: 29 Nov 2018 10:14

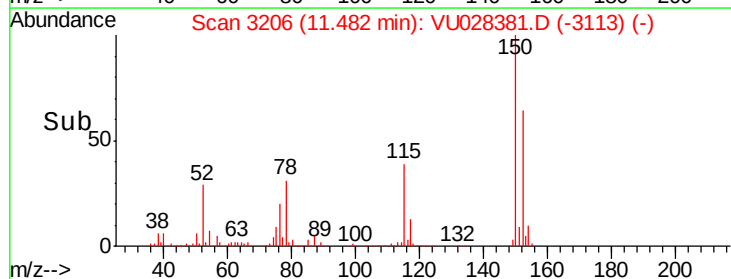
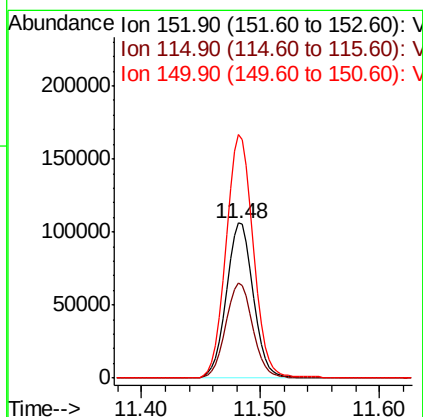
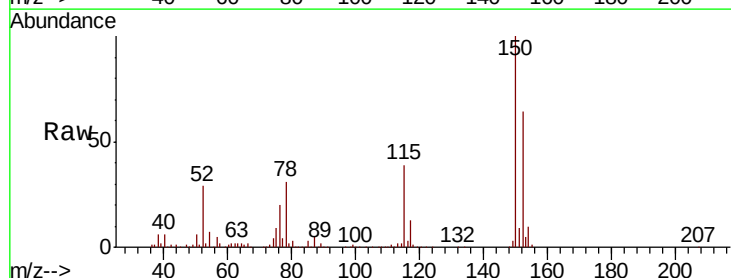
Instrument :
MSVOA_U
ClientSampleId :

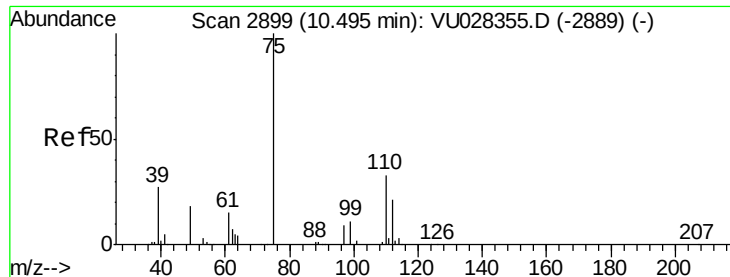
Tot Ion:117 Resp: 431160
Ion Ratio Lower Upper
117 100
82 61.5 50.3 75.5
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028381.D
Acq: 29 Nov 2018 10:14

Tgt Ion:152 Resp: 166293
Ion Ratio Lower Upper
152 100
115 61.4 45.0 134.8
150 158.1 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 24.069 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028381.D

Acq: 29 Nov 2018 10:14

Instrument :

MSVOA_U

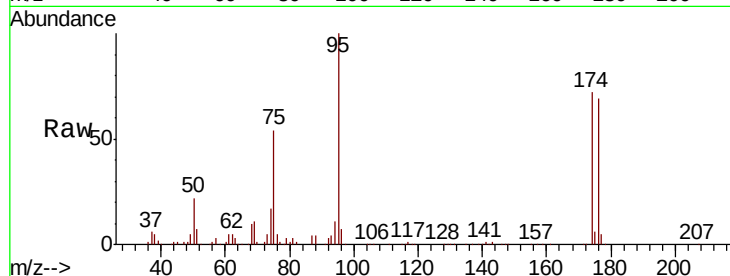
ClientSampleId :

Tot Ion: 75 Resp: 110994

Ion Ratio Lower Upper

75 100

77 1.1 22.4 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

80000

60000

40000

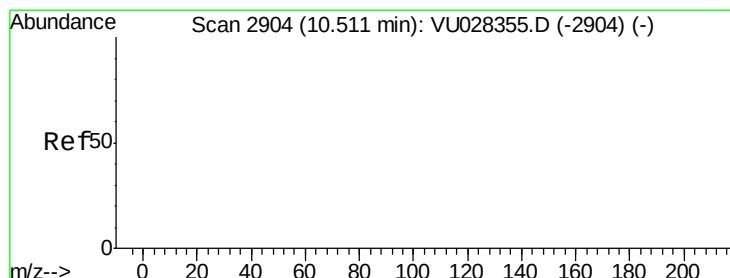
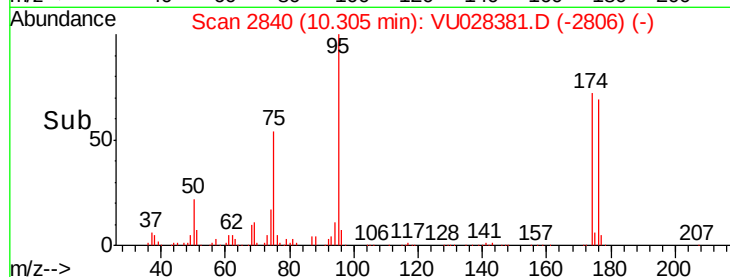
20000

0

10.30

10.40

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.892 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028381.D

Acq: 29 Nov 2018 10:14

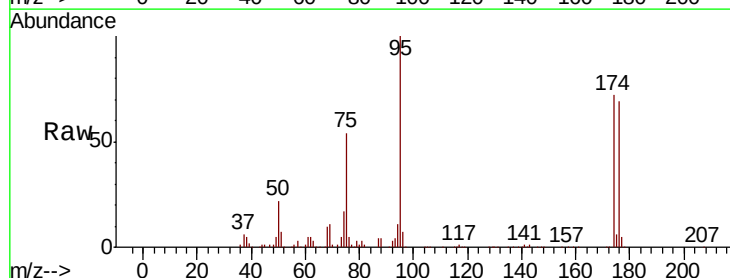
Tgt Ion: 75 Resp: 110994

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.1 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

80000

60000

40000

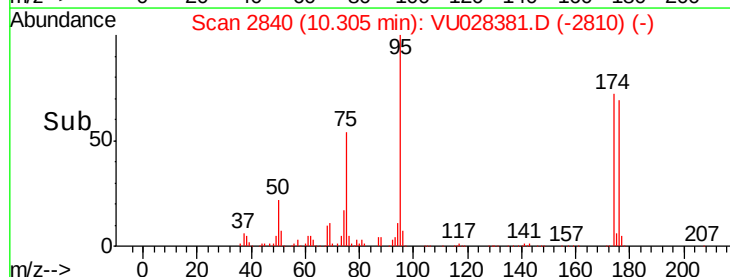
20000

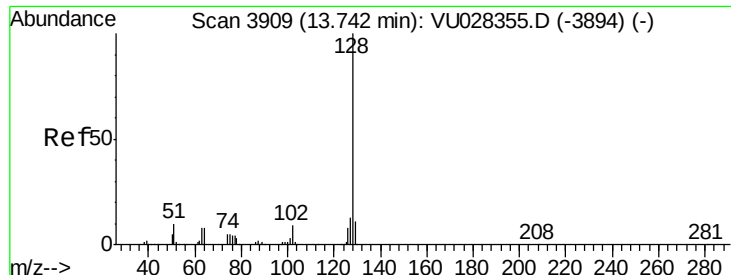
0

10.30

10.40

Time-->





#95

Naphthalene

Concen: 2.872 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

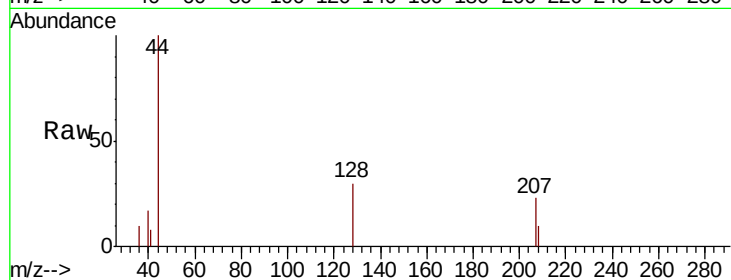
Lab File: VU028381.D

Acq: 29 Nov 2018 10:14

Instrument :

MSVOA_U

ClientSampleId :



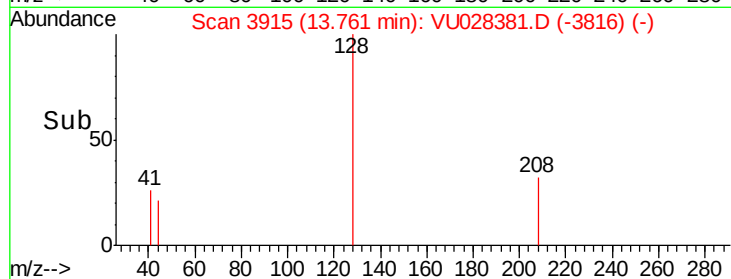
Tot Ion:128 Resp: 545

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

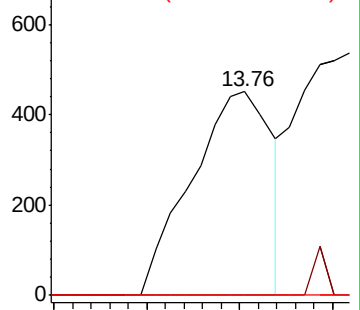
129 0.0 8.6 12.8#



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



Time--> 13.72 13.74 13.76