

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 :
 VU1129WBL01

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%	

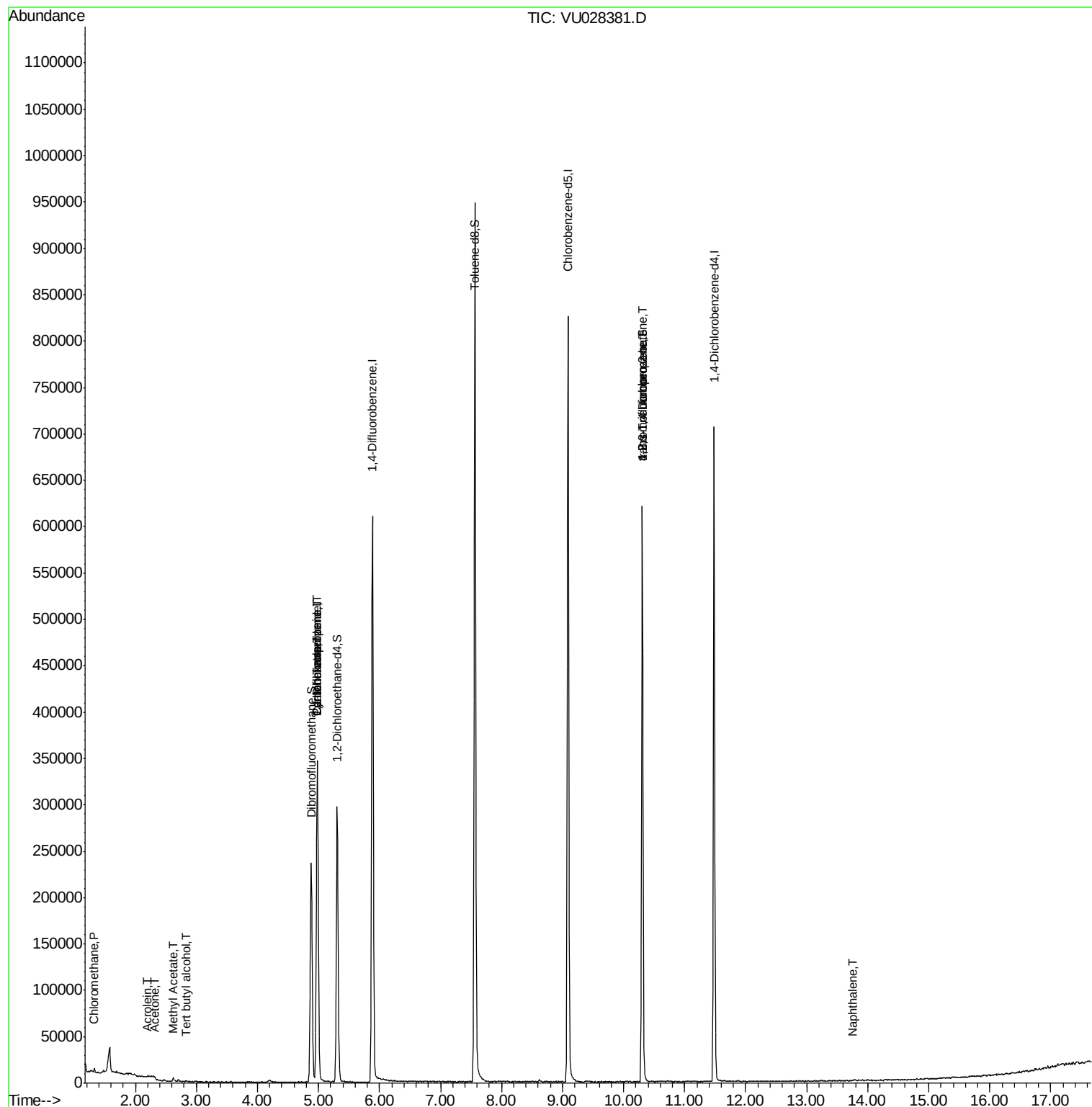
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3220	0.490	ug/l #	88
11) Tert butyl alcohol	2.83	59	300	0.313	ug/l #	72
13) Acrolein	2.20	56	252	0.295	ug/l #	35
16) Acetone	2.33	43	1411	0.546	ug/l #	44
18) Methyl Acetate	2.62	43	4051	0.563	ug/l	99
31) Cyclohexane	4.98	56	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

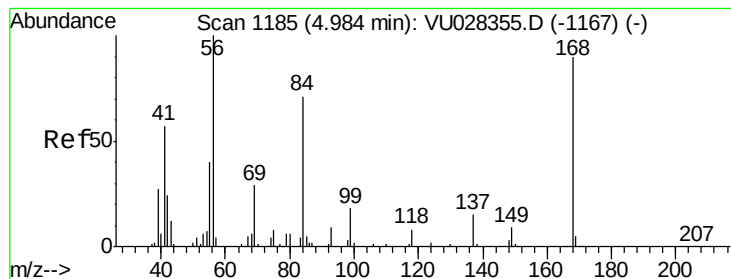
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 :
VU1129WBL01

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 :

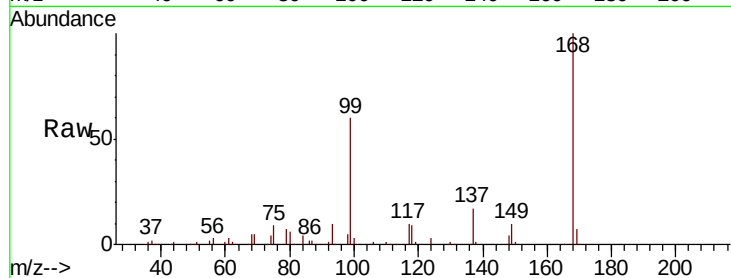
VU1129WBL01

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): VU028381.D (-1092) (-)

4.98

120000

100000

80000

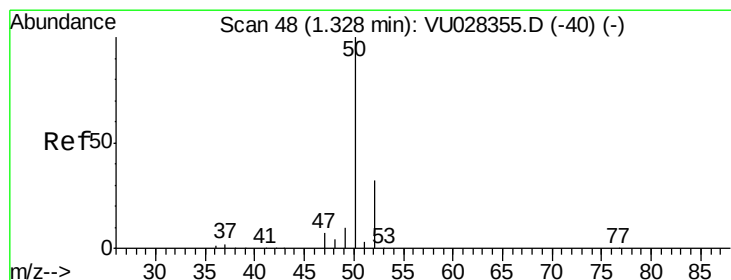
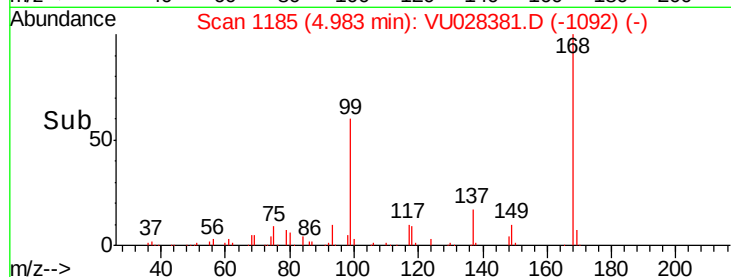
60000

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

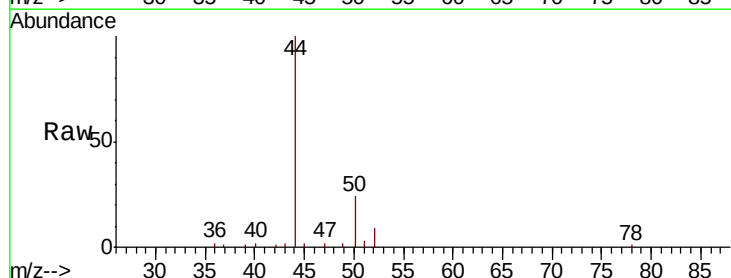
Acq: 29 Nov 2018 10:14

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): VU028381.D (-1) (-)

1.33

2500

2000

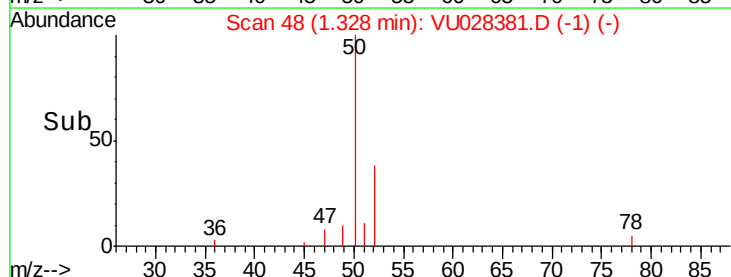
1500

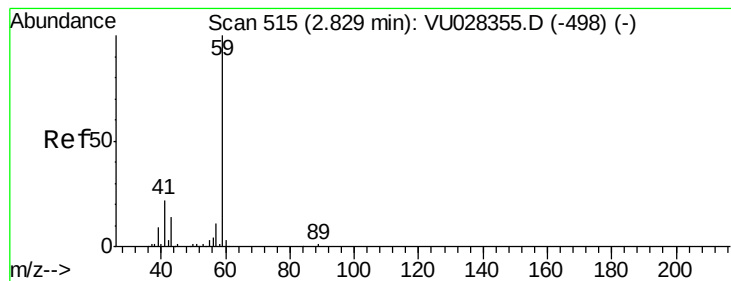
1000

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

ClientSampleId :

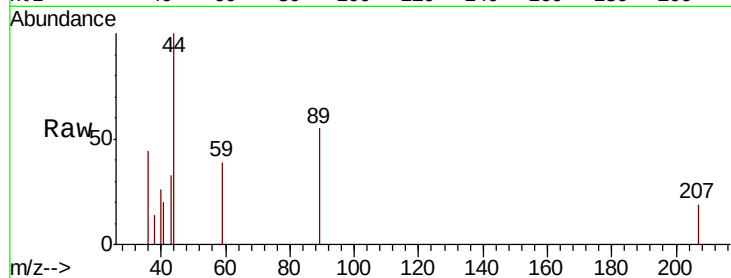
VU1129WBL01

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

2.83

2.84

2.85

2.86

2.87

2.88

2.89

2.90

2.91

2.92

2.93

2.94

2.95

2.96

2.97

2.98

2.99

3.00

3.01

3.02

3.03

3.04

3.05

3.06

3.07

3.08

3.09

3.10

3.11

3.12

3.13

3.14

3.15

3.16

3.17

3.18

3.19

3.20

3.21

3.22

3.23

3.24

3.25

3.26

3.27

3.28

3.29

3.30

3.31

3.32

3.33

3.34

3.35

3.36

3.37

3.38

3.39

3.40

3.41

3.42

3.43

3.44

3.45

3.46

3.47

3.48

3.49

3.50

3.51

3.52

3.53

3.54

3.55

3.56

3.57

3.58

3.59

3.60

3.61

3.62

3.63

3.64

3.65

3.66

3.67

3.68

3.69

3.70

3.71

3.72

3.73

3.74

3.75

3.76

3.77

3.78

3.79

3.80

3.81

3.82

3.83

3.84

3.85

3.86

3.87

3.88

3.89

3.90

3.91

3.92

3.93

3.94

3.95

3.96

3.97

3.98

3.99

4.00

4.01

4.02

4.03

4.04

4.05

4.06

4.07

4.08

4.09

4.10

4.11

4.12

4.13

4.14

4.15

4.16

4.17

4.18

4.19

4.20

4.21

4.22

4.23

4.24

4.25

4.26

4.27

4.28

4.29

4.30

4.31

4.32

4.33

4.34

4.35

4.36

4.37

4.38

4.39

4.40

4.41

4.42

4.43

4.44

4.45

4.46

4.47

4.48

4.49

4.50

4.51

4.52

4.53

4.54

4.55

4.56

4.57

4.58

4.59

4.60

4.61

4.62

4.63

4.64

4.65

4.66

4.67

4.68

4.69

4.70

4.71

4.72

4.73

4.74

4.75

4.76

4.77

4.78

4.79

4.80

4.81

4.82

4.83

4.84

4.85

4.86

4.87

4.88

4.89

4.90

4.91

4.92

4.93

4.94

4.95

4.96

4.97

4.98

4.99

5.00

5.01

5.02

5.03

5.04

5.05

5.06

5.07

5.08

5.09

5.10

5.11

5.12

5.13

5.14

5.15

5.16

5.17

5.18

5.19

5.20

5.21

5.22

5.23

5.24

5.25

5.26

5.27

5.28

5.29

5.30

5.31

5.32

5.33

5.34

5.35

5.36

5.37

5.38

5.39

5.40

5.41

5.42

5.43

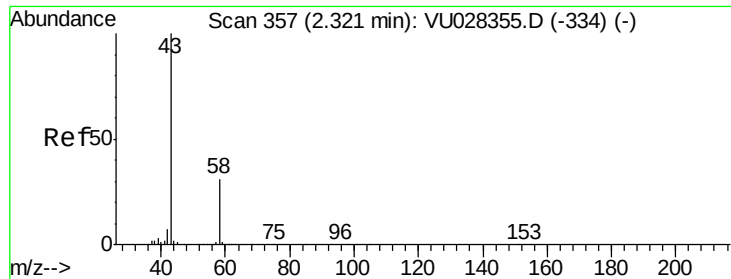
5.44

5.45

5.46

5.47

5.48



#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 :

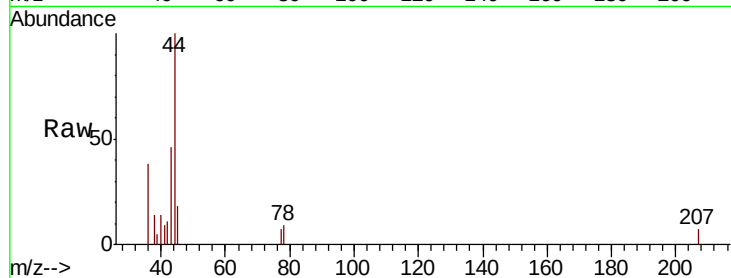
VU1129WBL01

Tot Ion: 43 Resp: 1411

Ion Ratio Lower Upper

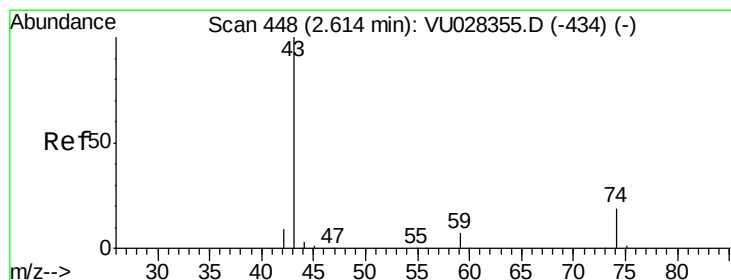
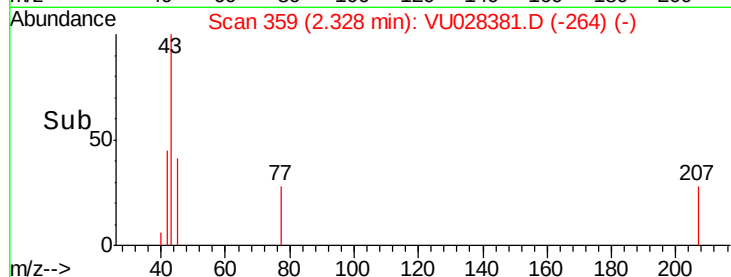
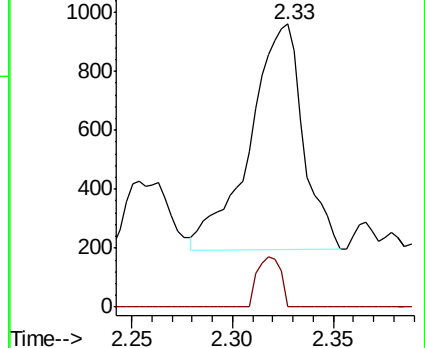
43 100

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

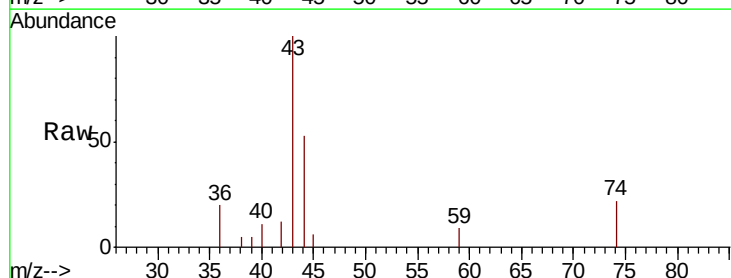
Acq: 29 Nov 2018 10:14

Tgt Ion: 43 Resp: 4051

Ion Ratio Lower Upper

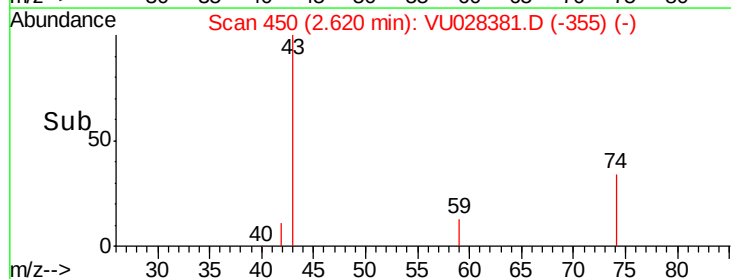
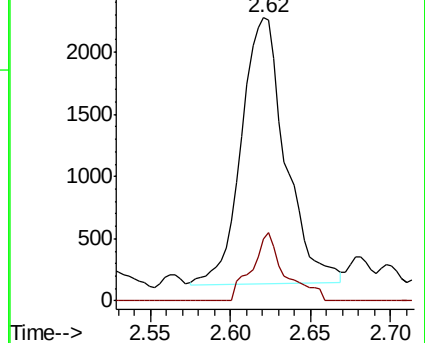
43 100

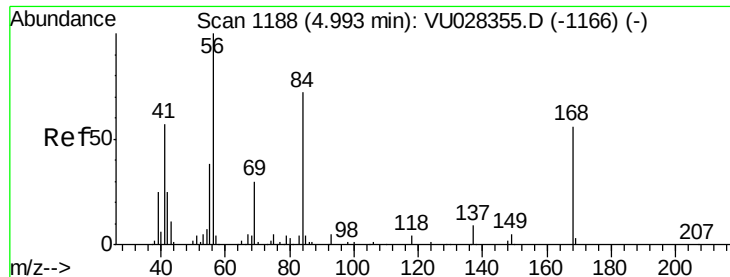
74 19.5 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

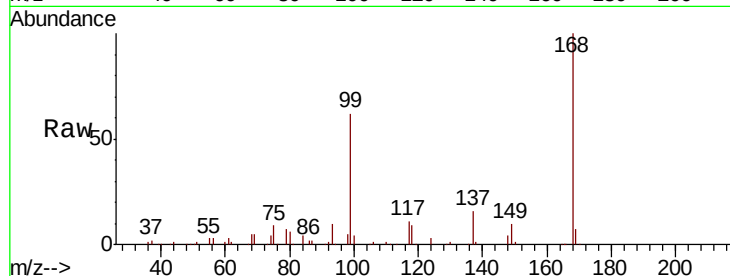




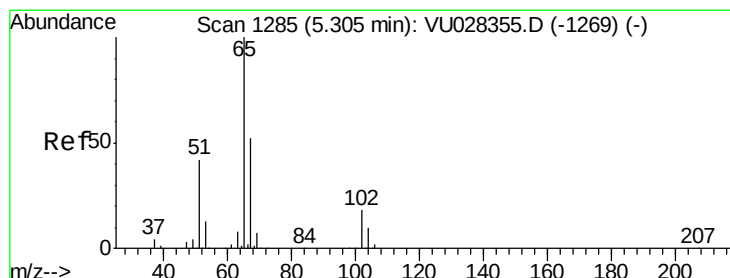
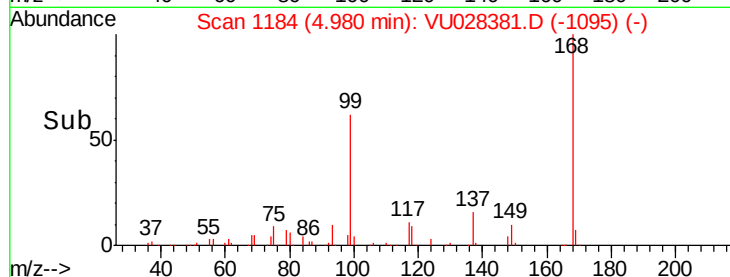
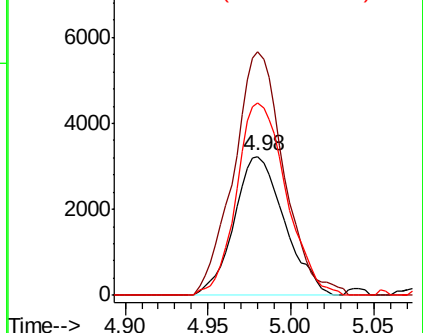
#31
Cyclohexane
Concen: 0.590 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VU028381.D
Acq: 29 Nov 2018 10:14

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBL01

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#

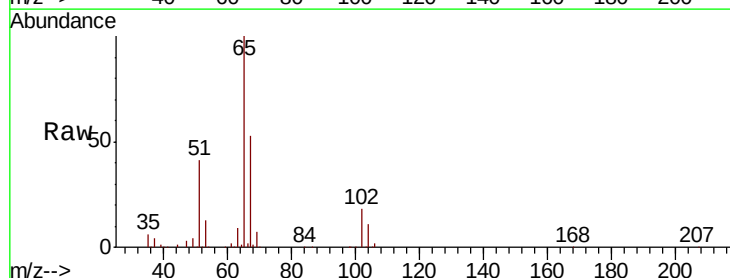


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

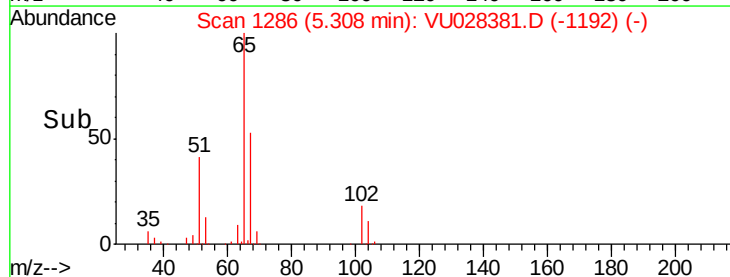
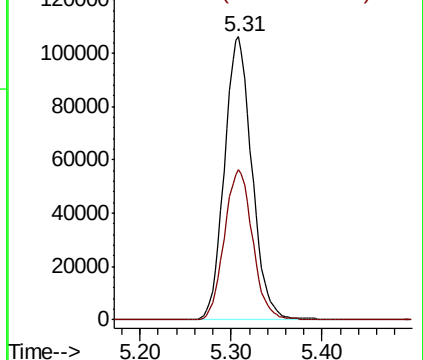


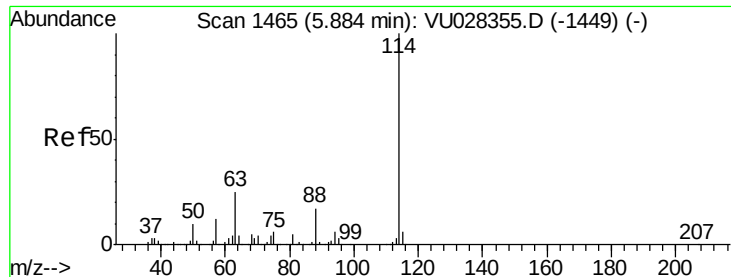
#33
1,2-Dichloroethane-d4
Concen: 52.774 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028381.D
Acq: 29 Nov 2018 10:14

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 :

VU1129WBL01

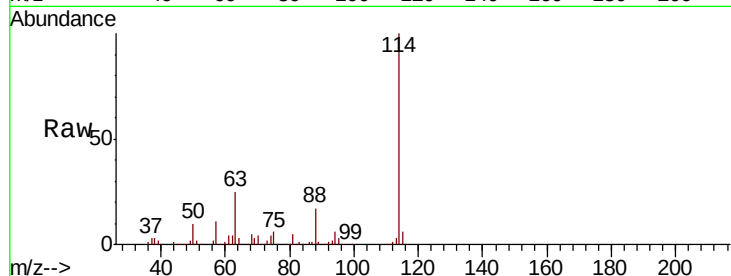
Tot Ion:114 Resp: 479850

Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.0

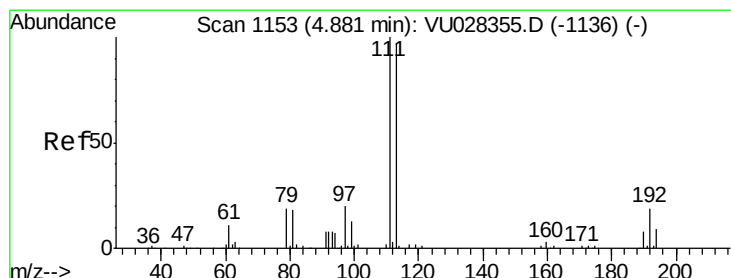
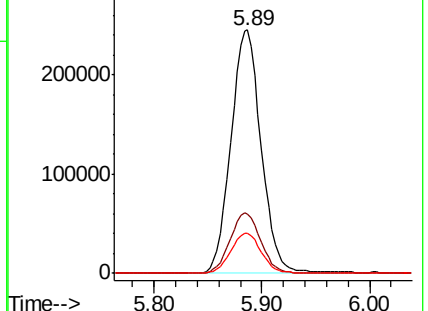
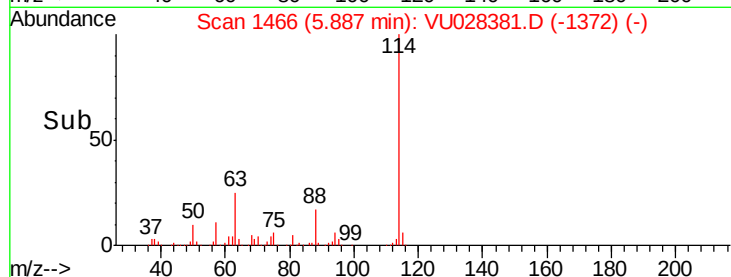
88 16.7 0.0 34.4



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

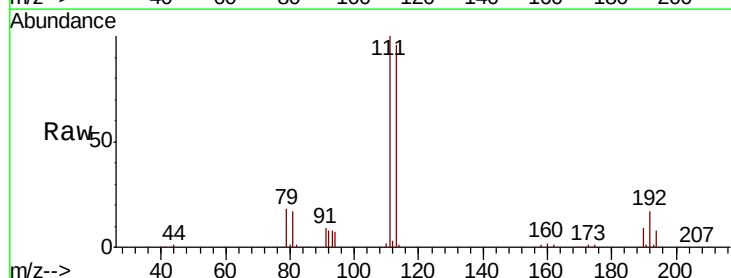
Tgt Ion:113 Resp: 162900

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

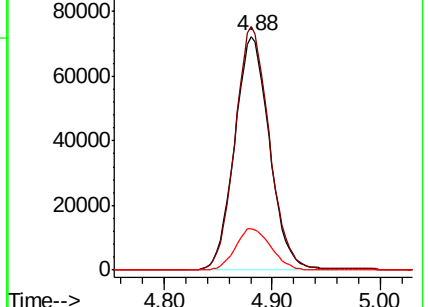
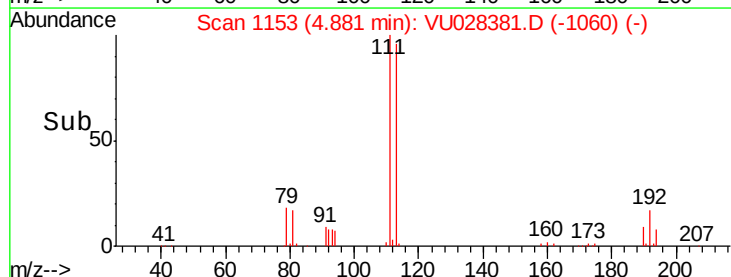
192 18.1 15.4 23.0

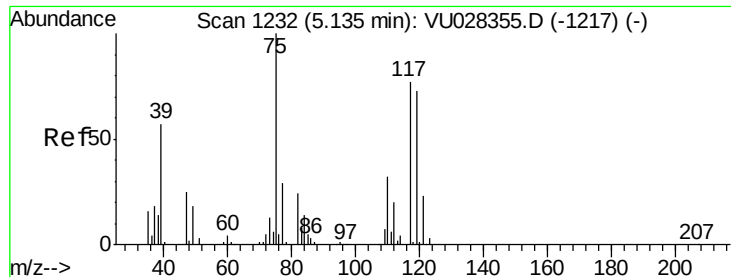


Abundance Ion 112.80 (112.50 to 113.50): V

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

ClientSampleId :

VU1129WBL01

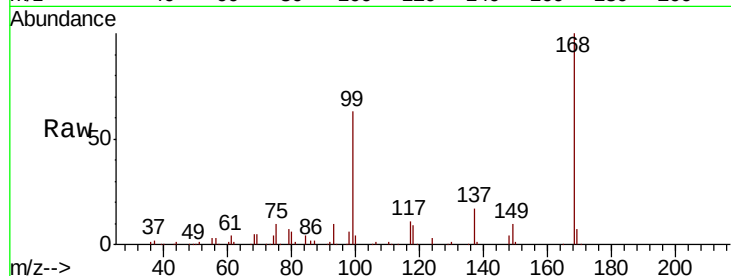
Tot Ion: 75 Resp: 23878

Ion Ratio Lower Upper

75 100

110 7.9 15.8 47.4#

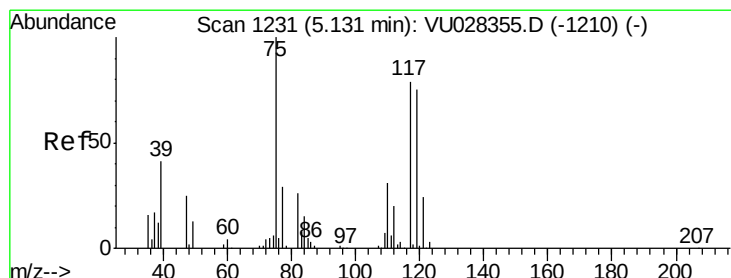
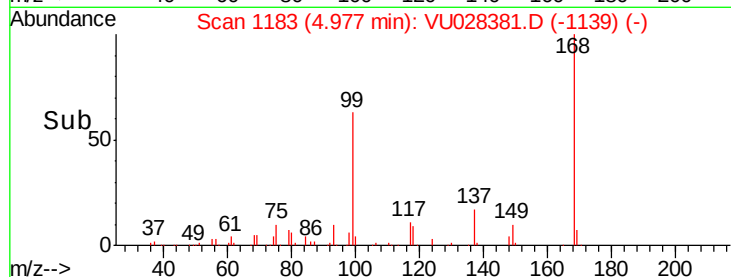
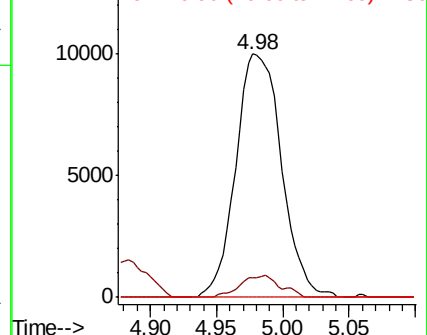
77 0.0 24.6 36.8#



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



#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

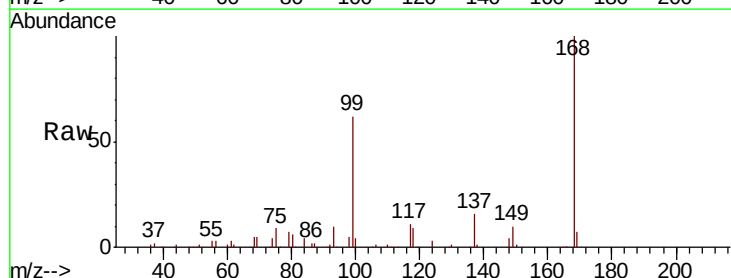
Tgt Ion: 117 Resp: 25958

Ion Ratio Lower Upper

117 100

119 3.9 76.3 114.5#

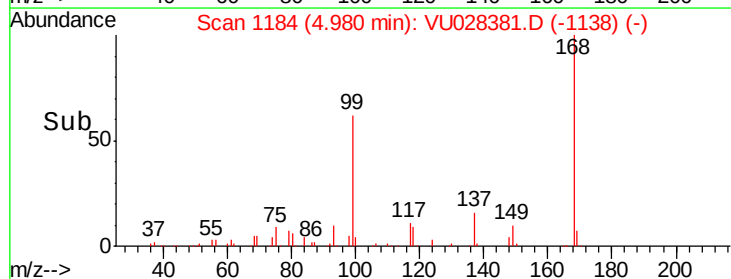
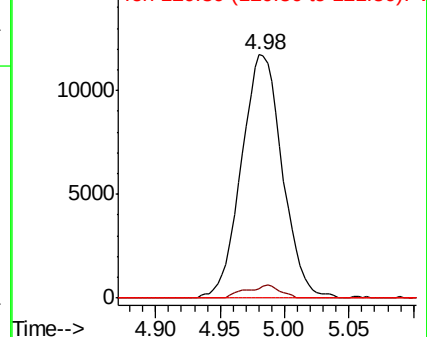
121 0.0 24.7 37.1#

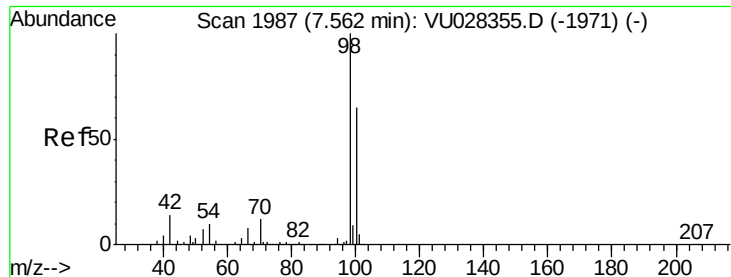


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

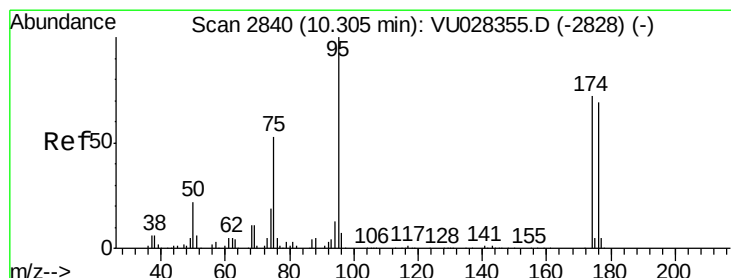
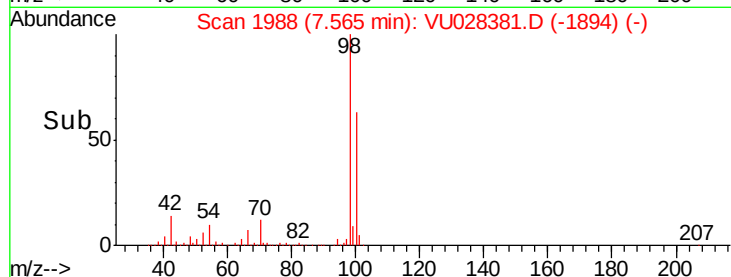
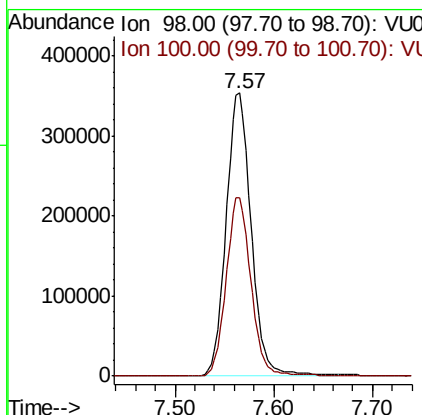
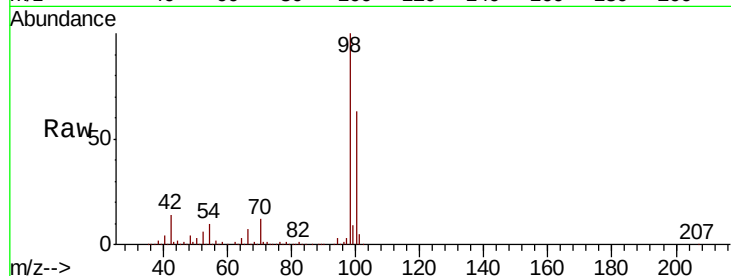




#50
Toluene-d8
Concen: 49.483 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028381.D
Acq: 29 Nov 2018 10:14

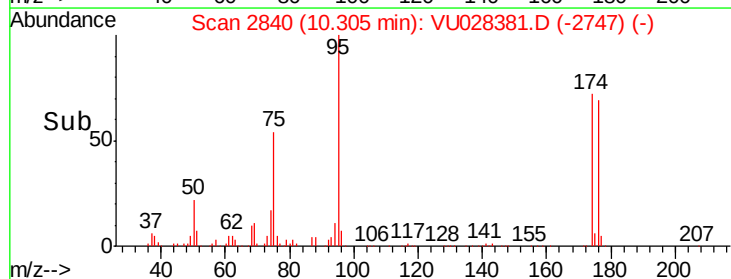
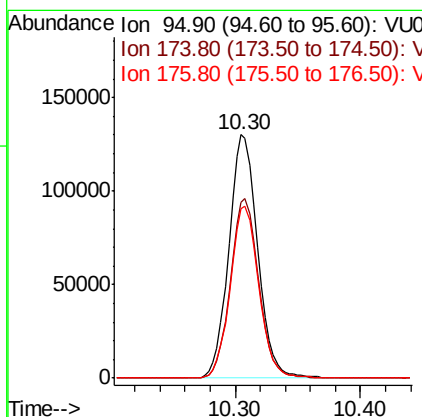
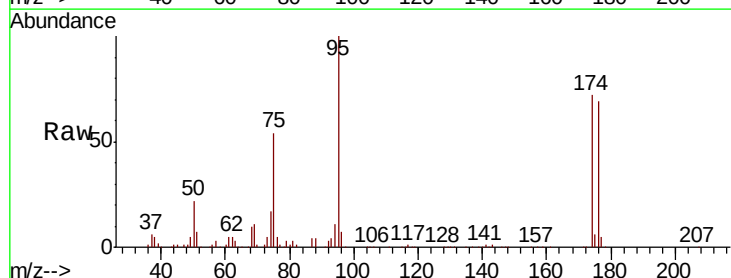
Instrument :
MSVOA_U
ClientSampleId :
VU1129WBL01

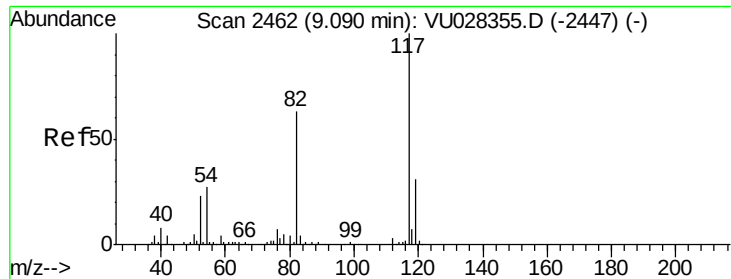
Tot Ion: 98 Resp: 631449
Ion Ratio Lower Upper
98 100
100 62.8 50.8 76.2



#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

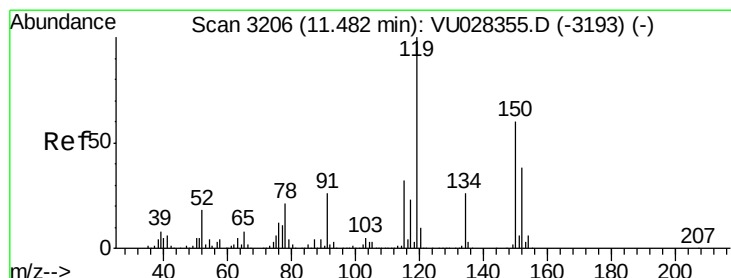
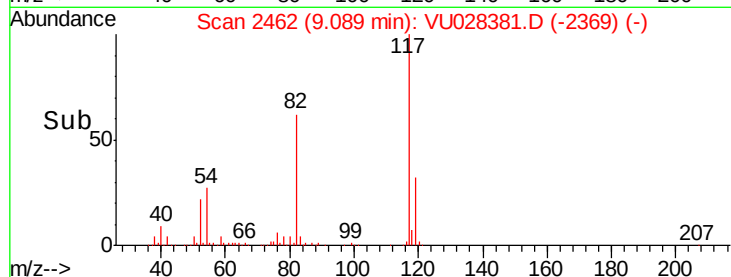
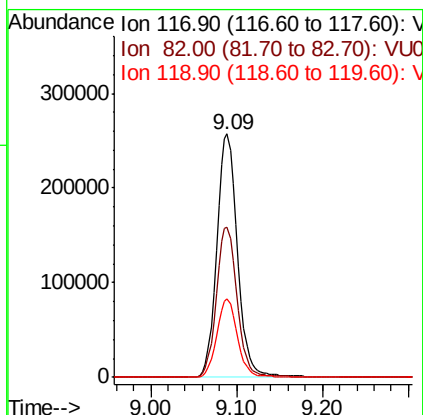
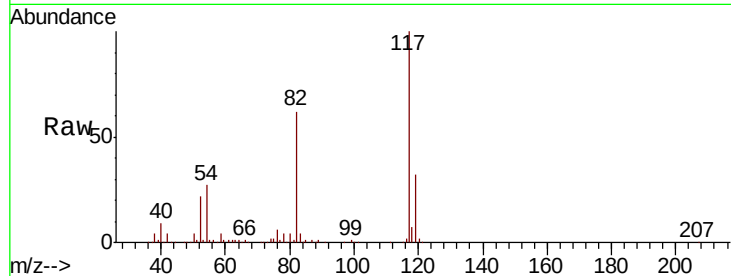




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028381.D
Acq: 29 Nov 2018 10:14

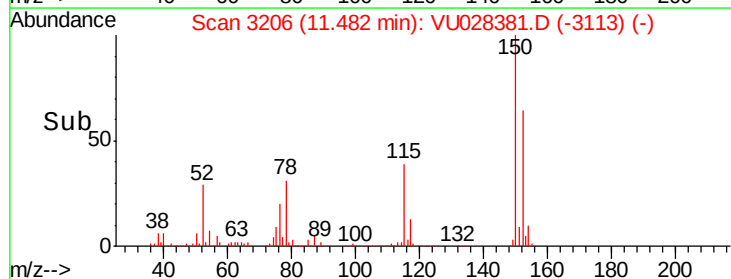
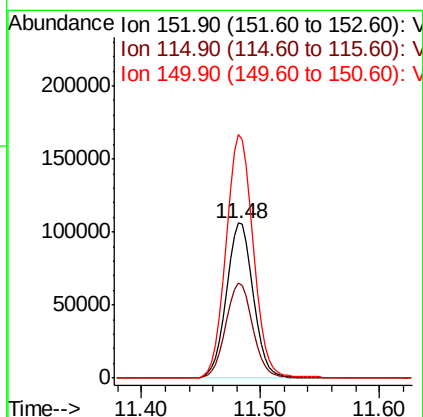
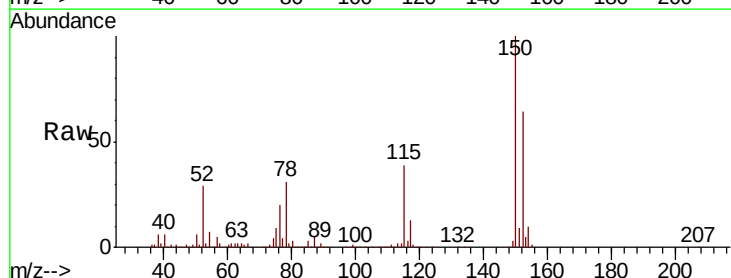
Instrument :
MSVOA_U
ClientSampleId :
VU1129WBL01

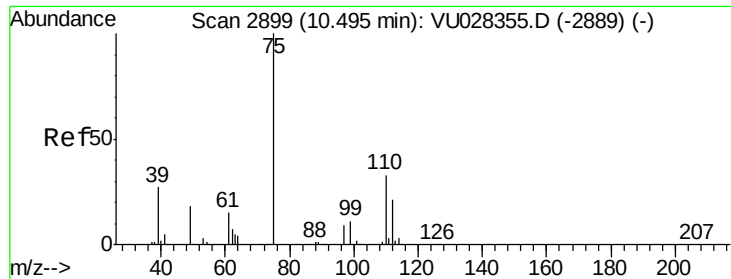
Tot Ion:117 Resp: 431160
Ion Ratio Lower Upper
117 100
82 61.5 50.3 75.5
119 32.1 24.8 37.2



#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 :

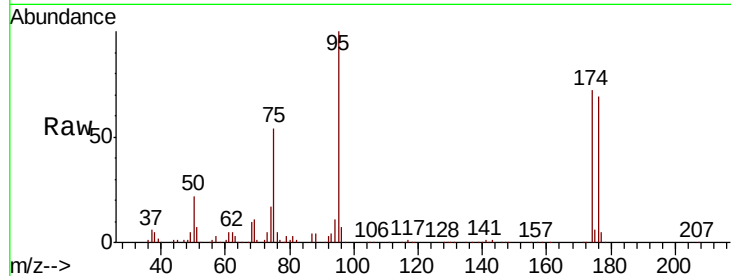
VU1129WBL01

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

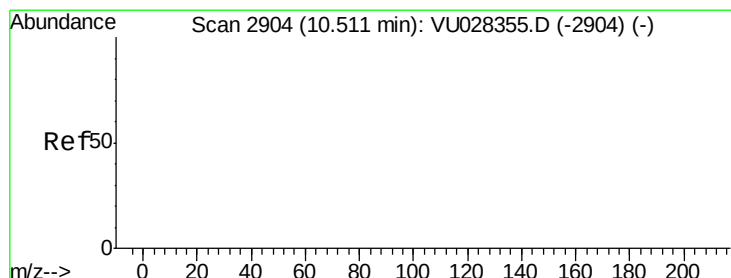
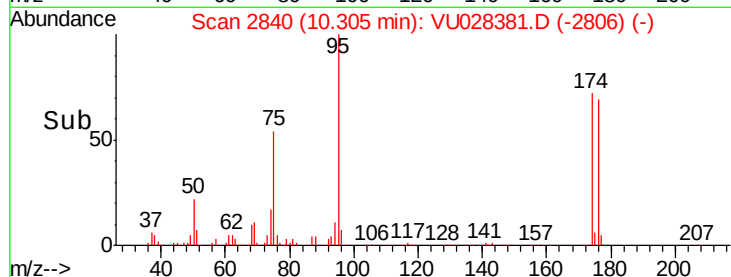
20000

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

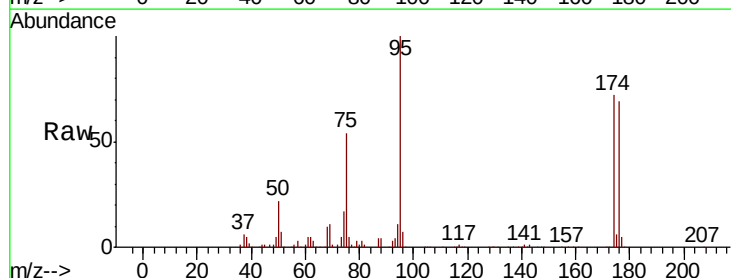
Tgt Ion: 75 Resp: 110994

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

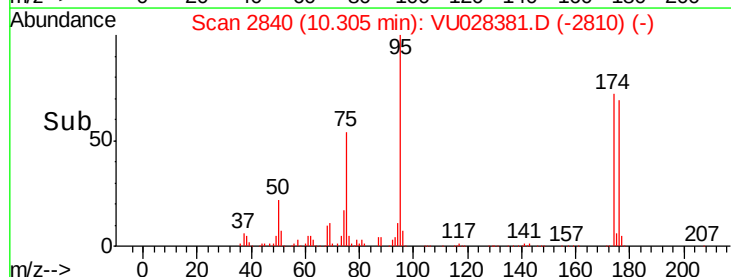
20000

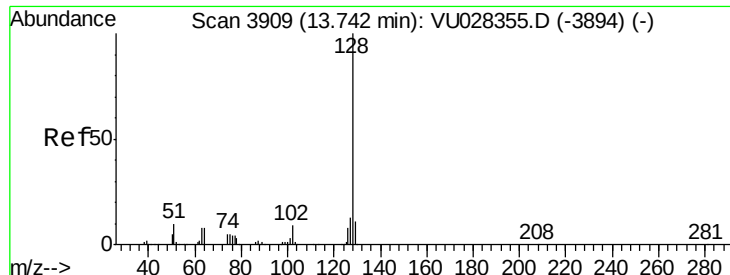
0

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 :
VU1129WBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

