

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028388.D
 Acq On : 29 Nov 2018 13:04
 Operator : MD/SY
 Sample : J6085-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 NS

Quant Time: Nov 30 07:01:46 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	244757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	469563	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	437626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	204228	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	217237	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
35) Dibromofluoromethane	4.88	113	154432	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	7.57	98	620340	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	10.31	95	225633	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	

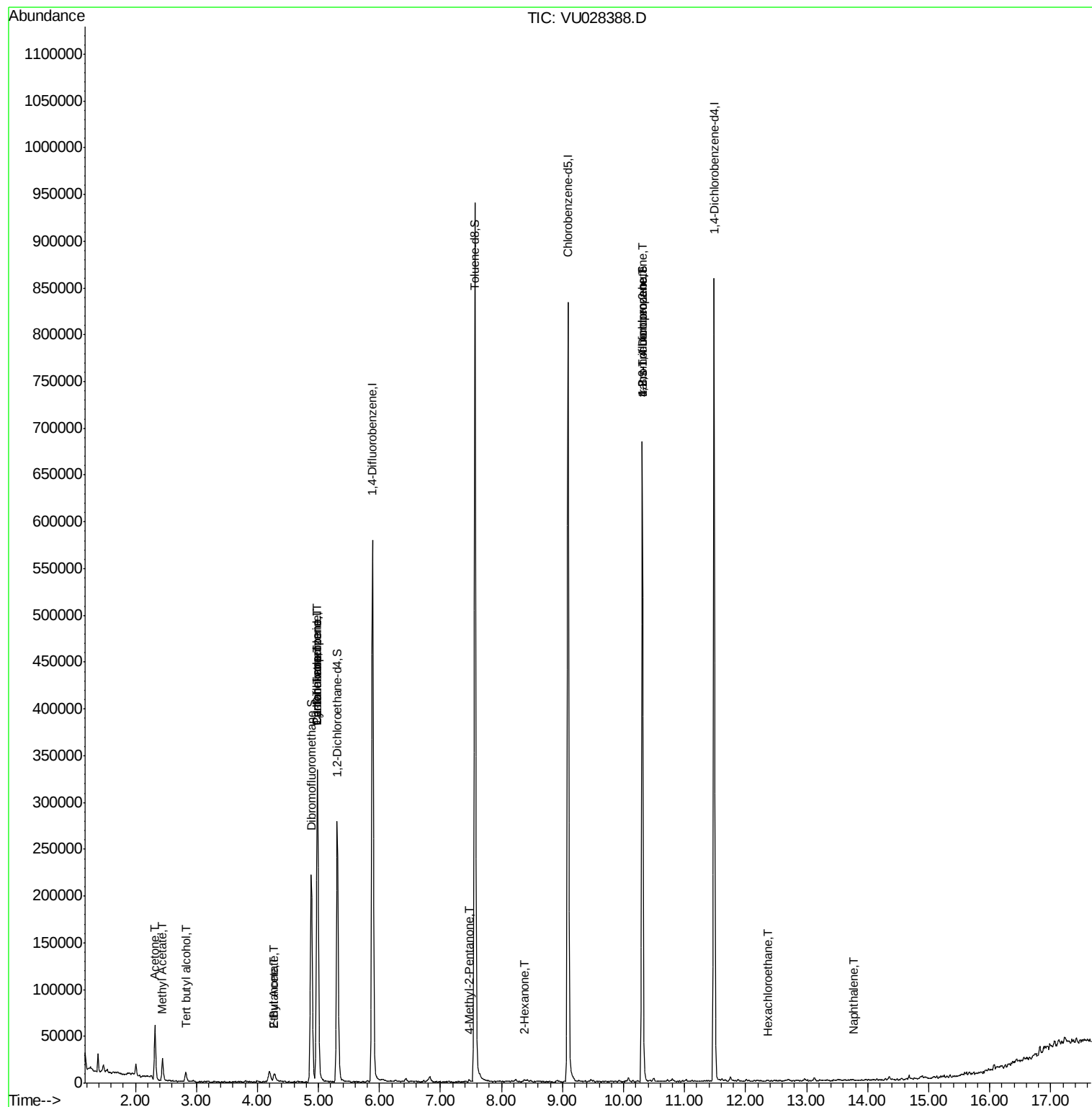
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	11451	12.322	ug/l	99
16) Acetone	2.32	43	61649	24.637	ug/l	100
18) Methyl Acetate	2.44	43	5336	0.766	ug/l #	58
20) Methylene Chloride	2.70	84	71	Below Cal	#	72
25) 2-Butanone	4.28	43	15645	4.363	ug/l	94
31) Cyclohexane	4.98	56	6610	0.590	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	21784	4.239	ug/l #	50
37) Ethyl Acetate	4.28	43	15645	2.234	ug/l #	71
38) Carbon Tetrachloride	4.98	117	23252	5.511	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	2189	0.309	ug/l	93
59) 2-Hexanone	8.37	43	2156	0.393	ug/l #	48
76) 1,2,3-Trichloropropane	10.31	75	122917	21.704	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.31	75	122917	57.612	ug/l #	100
90) Hexachloroethane	12.35	117	534	0.257	ug/l #	12
95) Naphthalene	13.76	128	1039	2.892	ug/l #	75

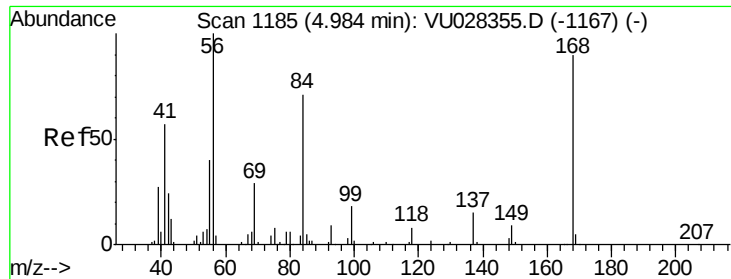
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028388.D

Acq: 29 Nov 2018 13:04

Instrument :

MSVOA_U

ClientSampleId :

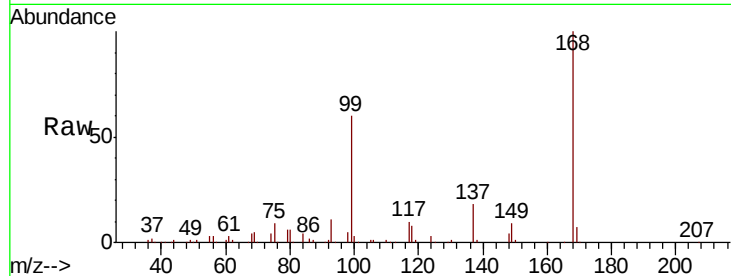
NS

Tot Ion:168 Resp: 244757

Ion Ratio Lower Upper

168 100

99 60.4 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

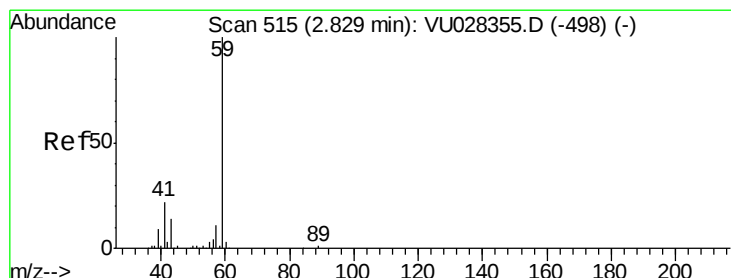
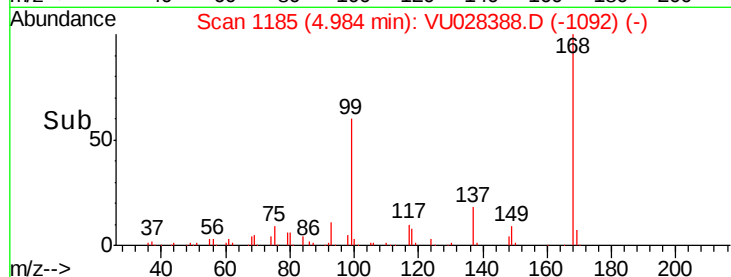
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 12.322 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028388.D

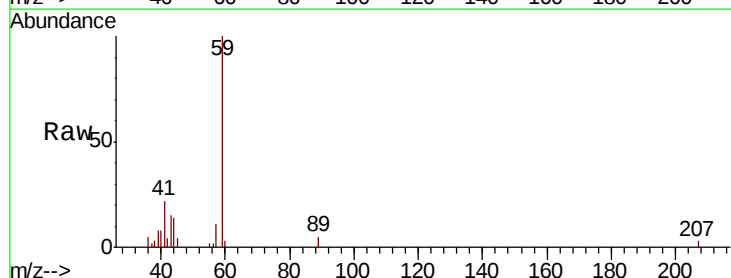
Acq: 29 Nov 2018 13:04

Tgt Ion: 59 Resp: 11451

Ion Ratio Lower Upper

59 100

57 10.0 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

6000

5000

4000

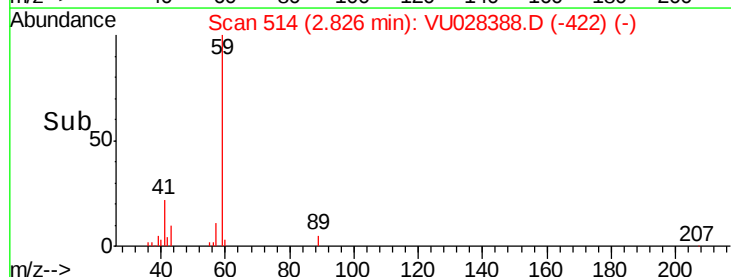
3000

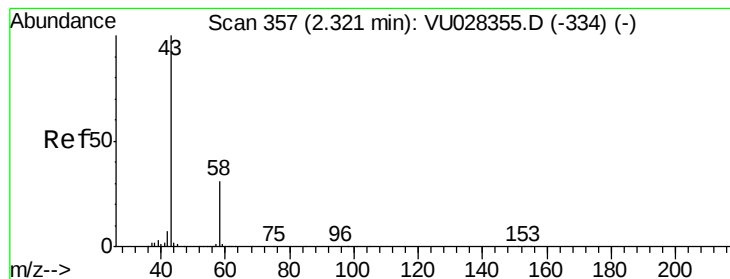
2000

1000

0

Time-->





#16

Acetone

Concen: 24.637 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028388.D

Acq: 29 Nov 2018 13:04

Instrument :

MSVOA_U

ClientSampleId :

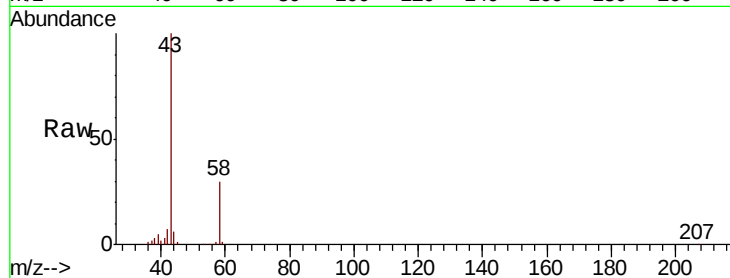
NS

Tot Ion: 43 Resp: 61649

Ion Ratio Lower Upper

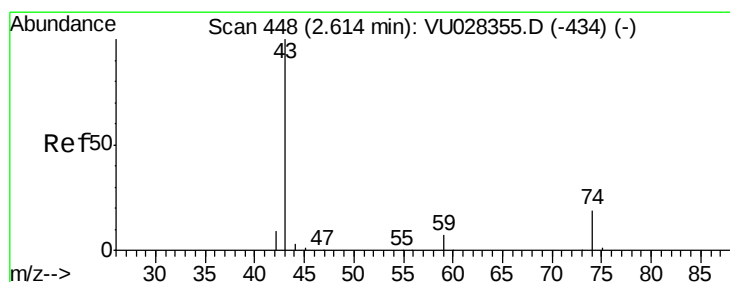
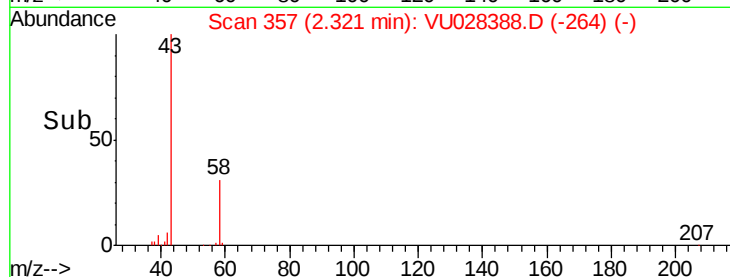
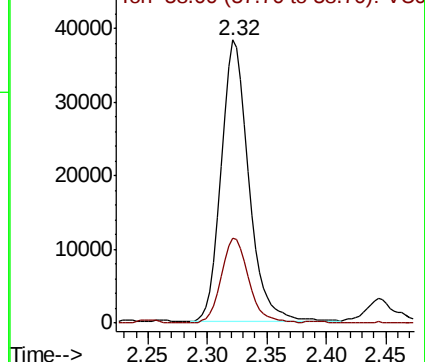
43 100

58 30.4 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: 0.766 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU028388.D

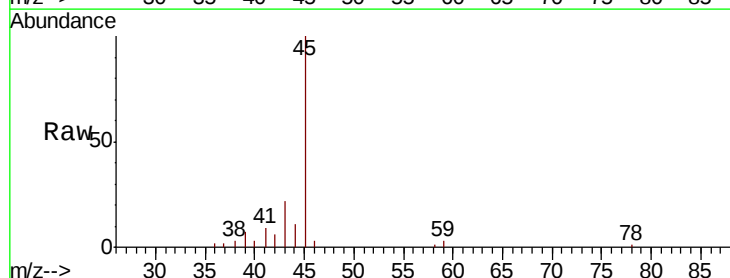
Acq: 29 Nov 2018 13:04

Tgt Ion: 43 Resp: 5336

Ion Ratio Lower Upper

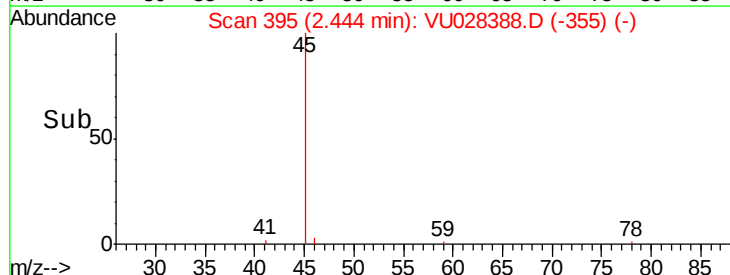
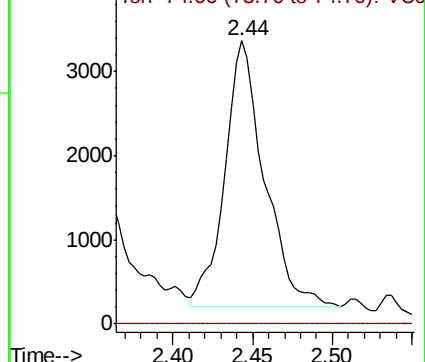
43 100

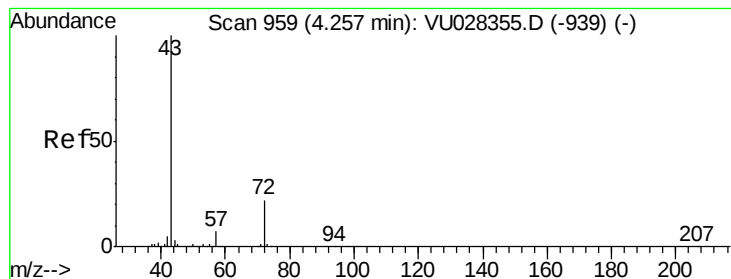
74 0.0 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#25

2-Butanone

Concen: 4.363 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.02 min

Lab File: VU028388.D

Acq: 29 Nov 2018 13:04

Instrument :

MSVOA_U

ClientSampleId :

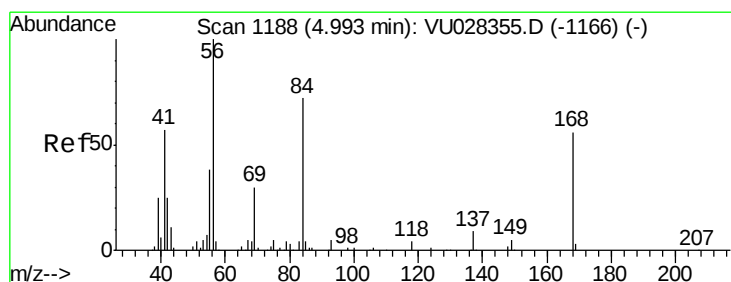
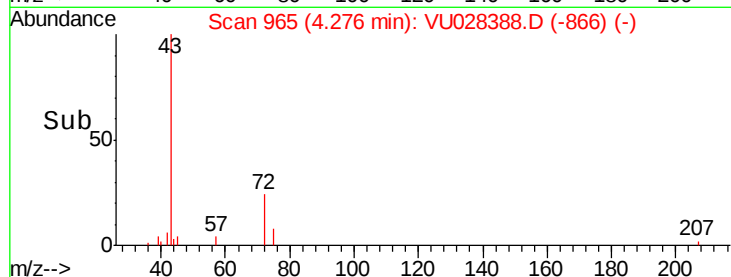
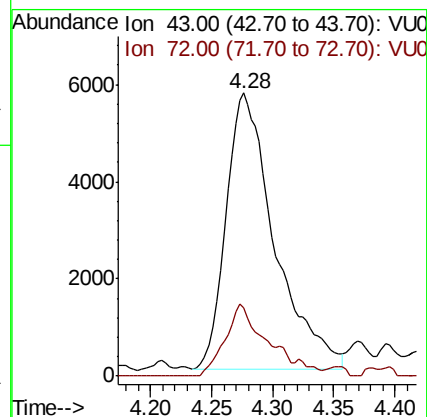
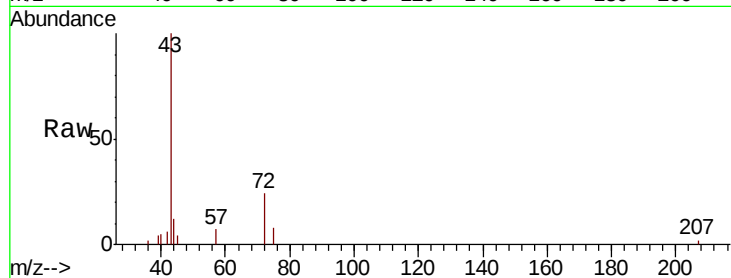
NS

Tot Ion: 43 Resp: 15645

Ion Ratio Lower Upper

43 100

72 24.9 17.7 26.5



#31

Cyclohexane

Concen: 0.590 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028388.D

Acq: 29 Nov 2018 13:04

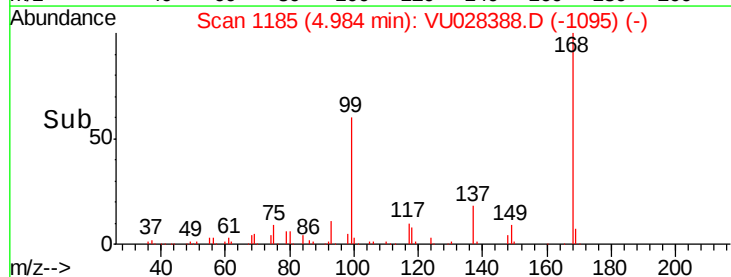
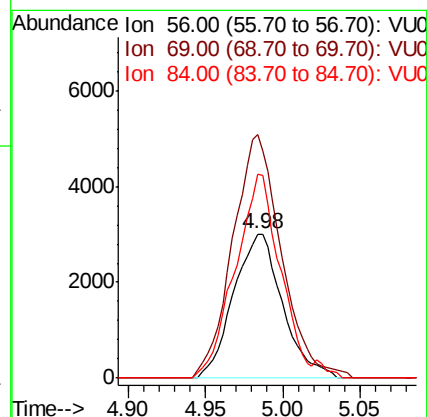
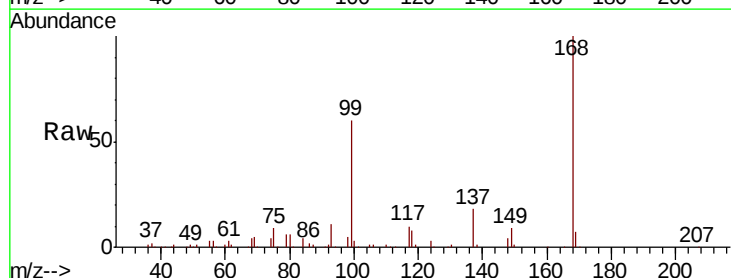
Tgt Ion: 56 Resp: 6610

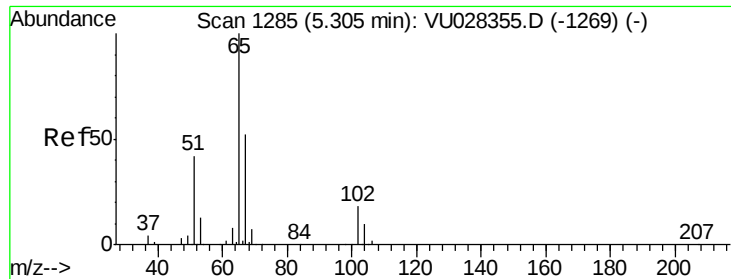
Ion Ratio Lower Upper

56 100

69 169.3 23.7 35.5#

84 141.8 57.3 85.9#





#33

1,2-Dichloroethane-d4

Concen: 53.108 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028388.D

Acq: 29 Nov 2018 13:04

Instrument :

MSVOA_U

ClientSampleId :

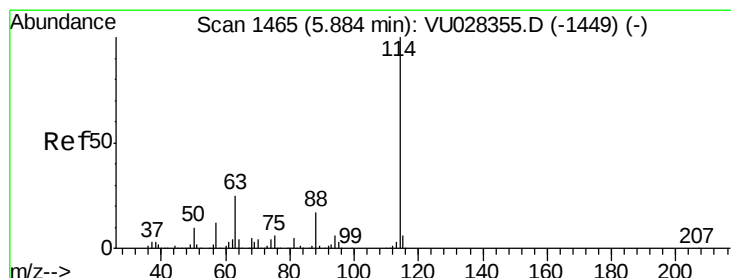
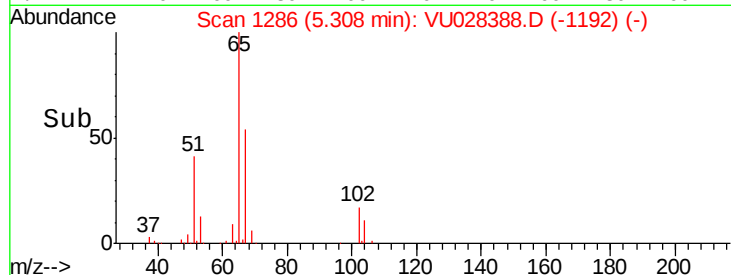
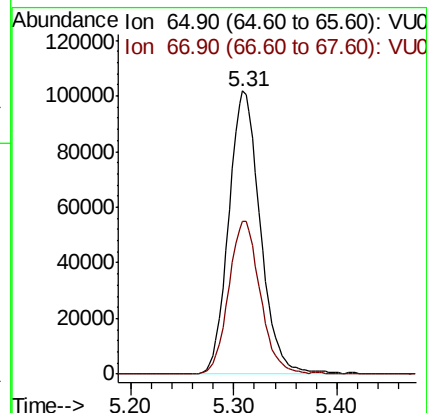
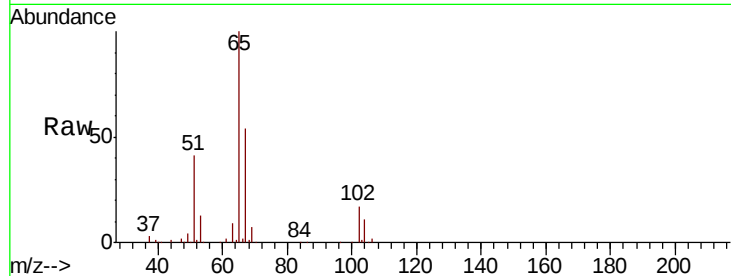
NS

Tot Ion: 65 Resp: 217237

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028388.D

Acq: 29 Nov 2018 13:04

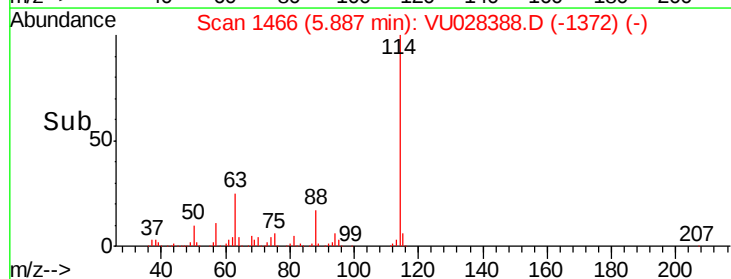
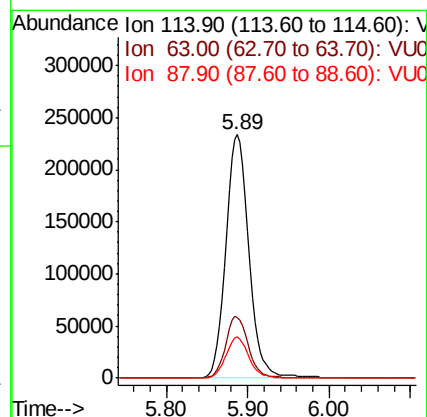
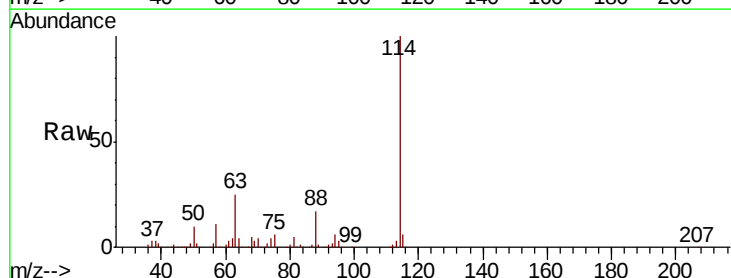
Tgt Ion: 114 Resp: 469563

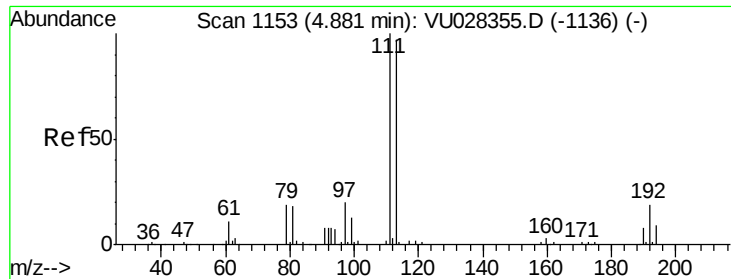
Ion Ratio Lower Upper

114 100

63 25.1 0.0 50.0

88 17.1 0.0 34.4

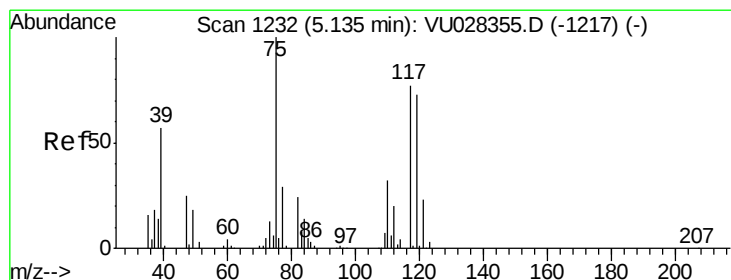
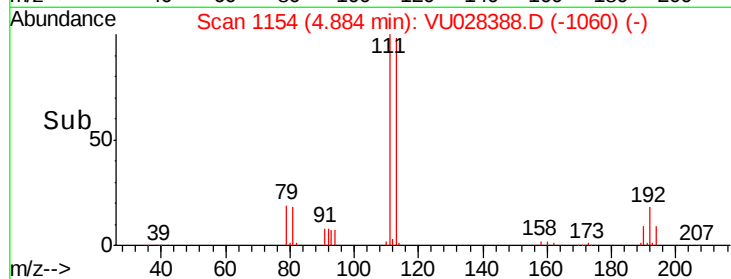
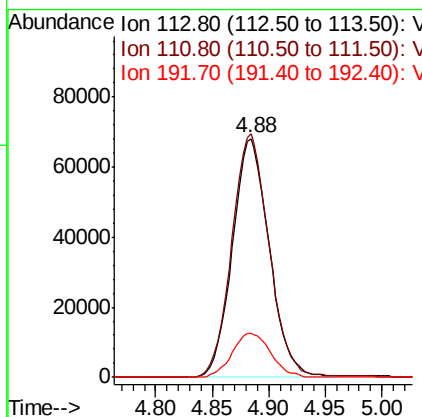
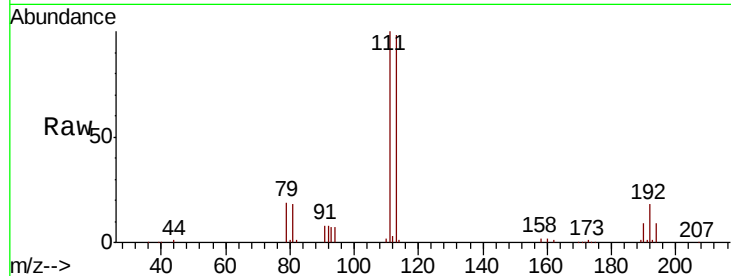




#35
 Dibromofluoromethane
 Concen: 49.459 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028388.D
 Acq: 29 Nov 2018 13:04

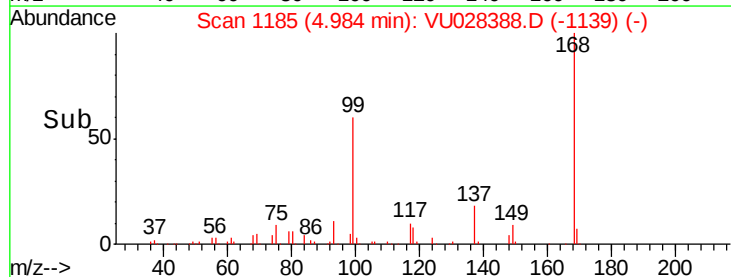
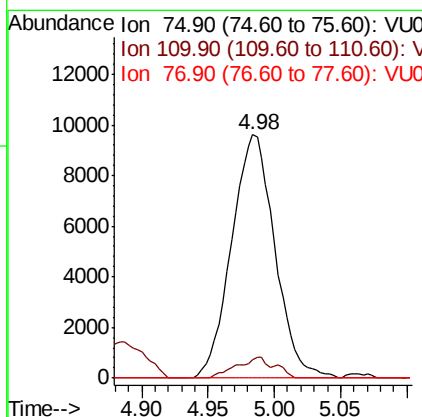
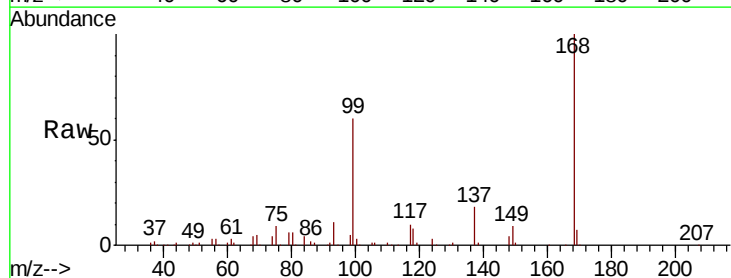
Instrument :
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 NS

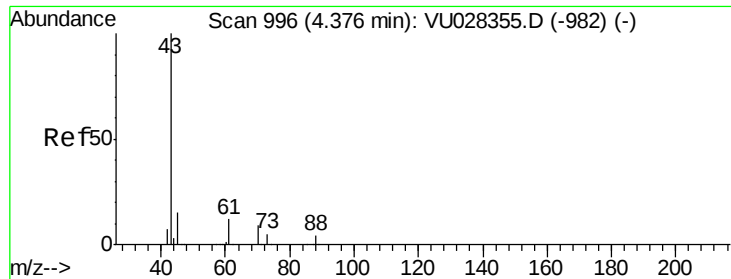
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	19.4	15.4	23.0



#36
 1,1-Dichloropropene
 Concen: 4.239 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028388.D
 Acq: 29 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	15.8	47.4#
77	0.0	24.6	36.8#

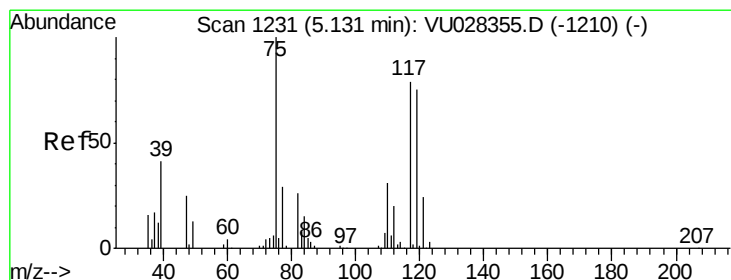
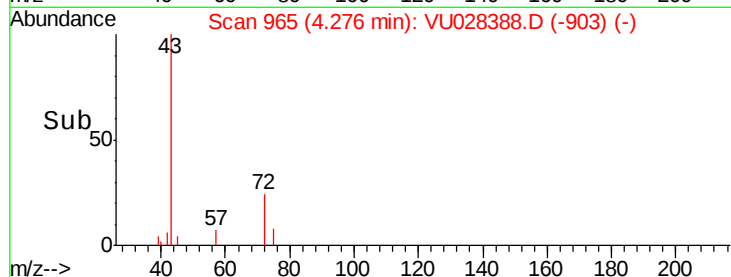
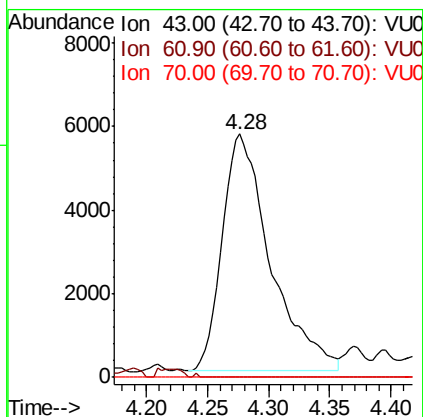
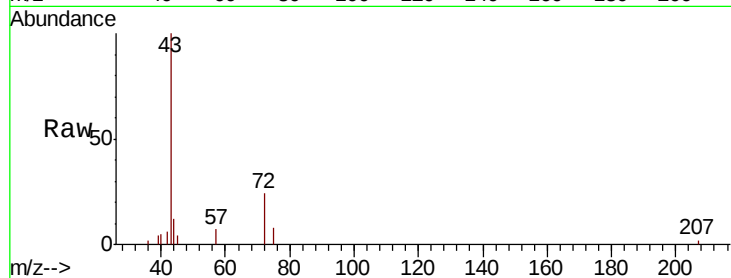




#37
Ethyl Acetate
Concen: 2.234 ug/l
RT: 4.28 min Scan# 965
Delta R.T. -0.10 min
Lab File: VU028388.D
Acq: 29 Nov 2018 13:04

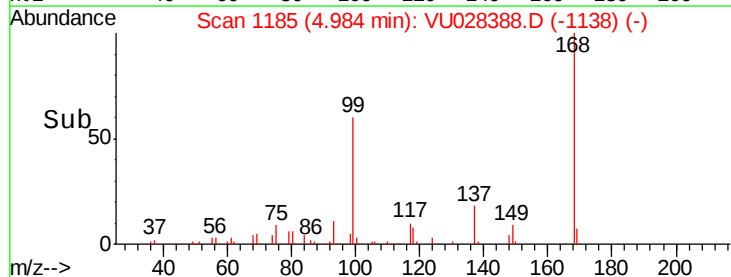
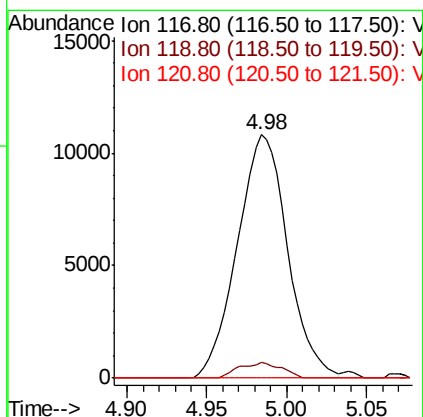
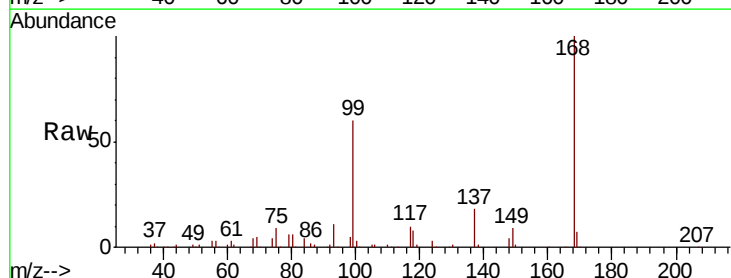
Instrument :
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ClientSampleId :
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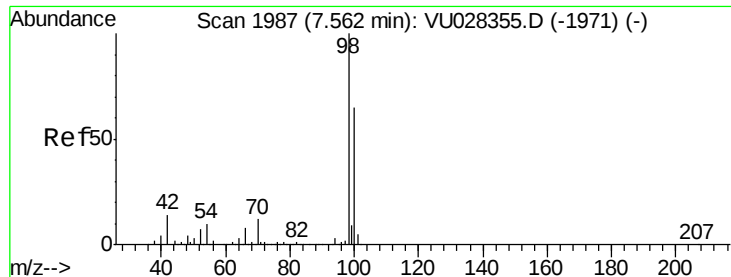
Tot Ion: 43 Resp: 15645
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.511 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028388.D
Acq: 29 Nov 2018 13:04

Tgt Ion: 117 Resp: 23252
Ion Ratio Lower Upper
117 100
119 6.3 76.3 114.5#
121 0.0 24.7 37.1#

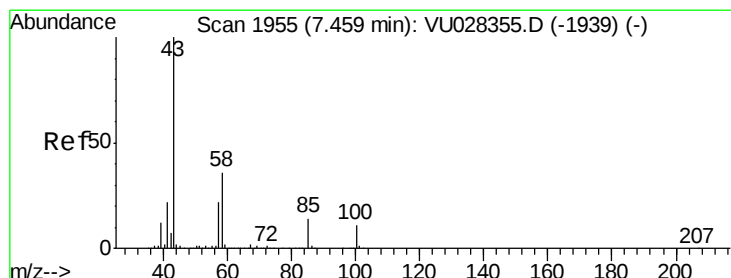
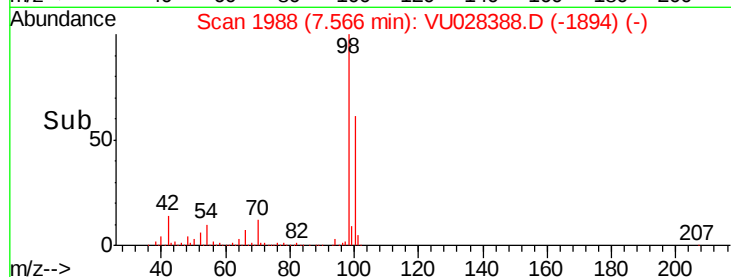
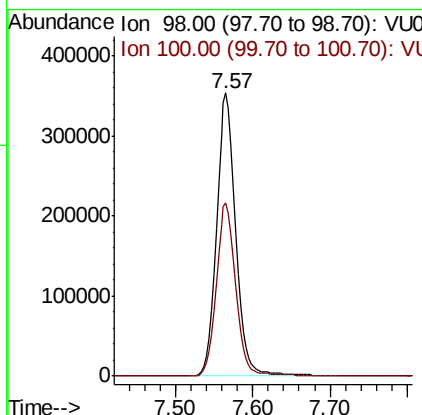
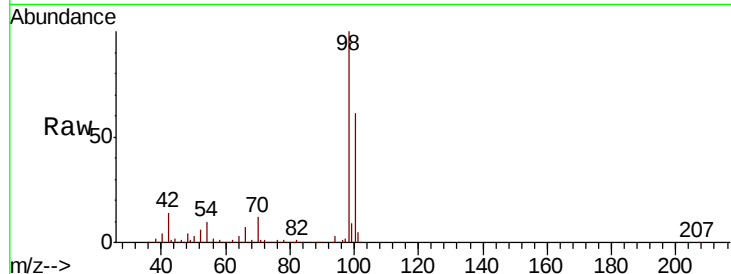




#50
Toluene-d8
Concen: 49.677 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028388.D
Acq: 29 Nov 2018 13:04

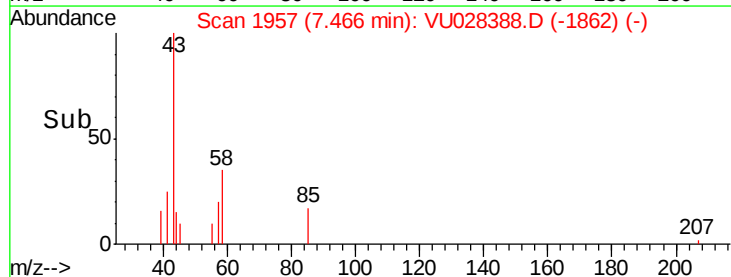
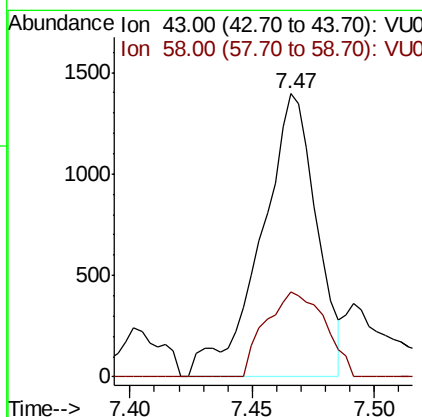
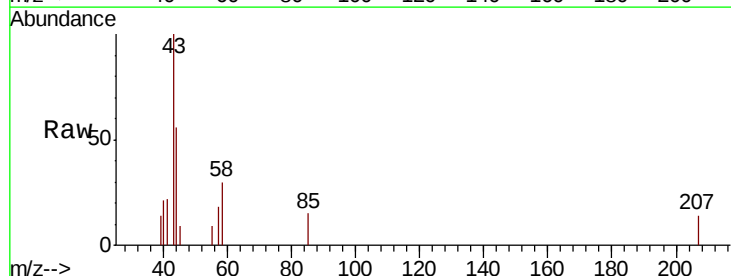
Instrument :
MSVOA_U
ClientSampleId :
NS

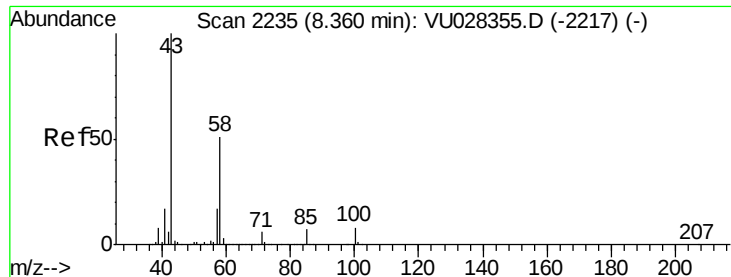
Tot Ion: 98 Resp: 620340
Ion Ratio Lower Upper
98 100
100 61.6 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 0.309 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VU028388.D
Acq: 29 Nov 2018 13:04

Tgt Ion: 43 Resp: 2189
Ion Ratio Lower Upper
43 100
58 32.2 28.8 43.2

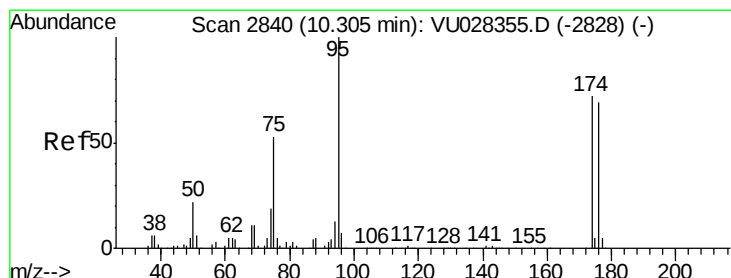
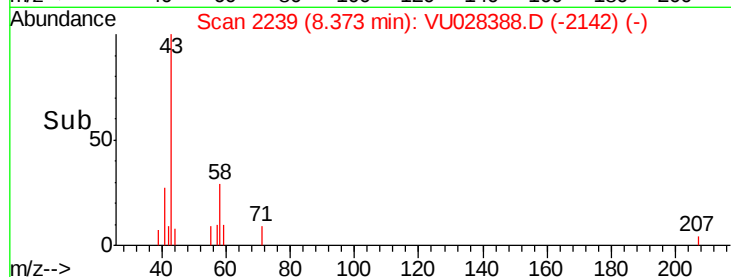
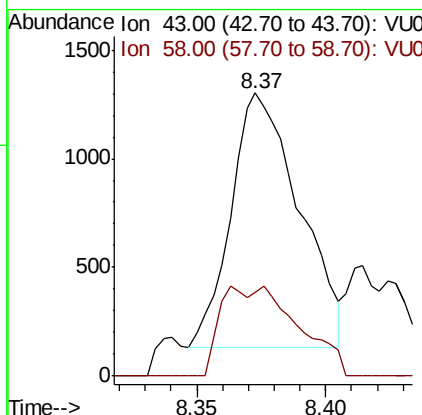
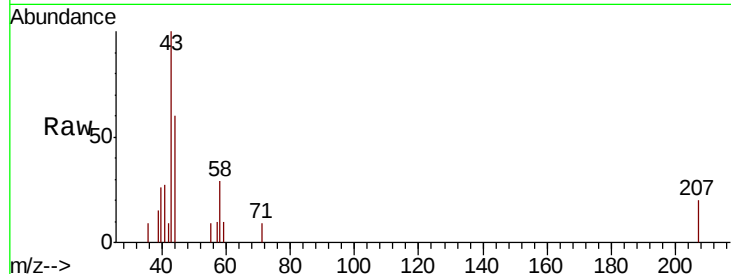




#59
2-Hexanone
Concen: 0.393 ug/l
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028388.D
Acq: 29 Nov 2018 13:04

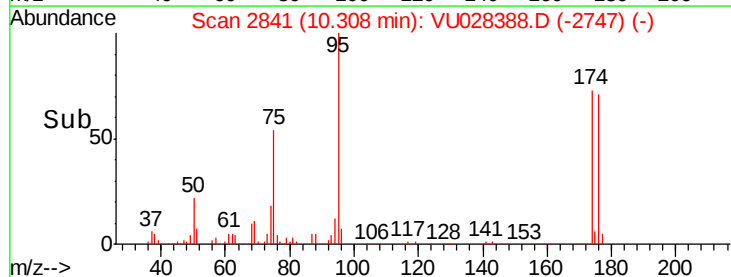
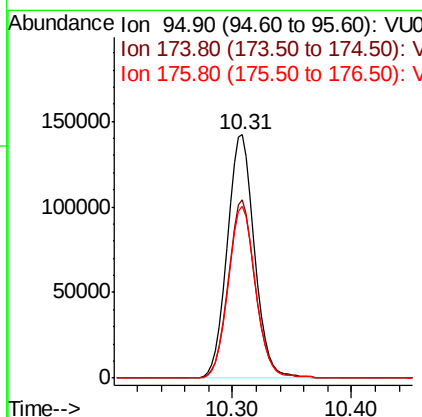
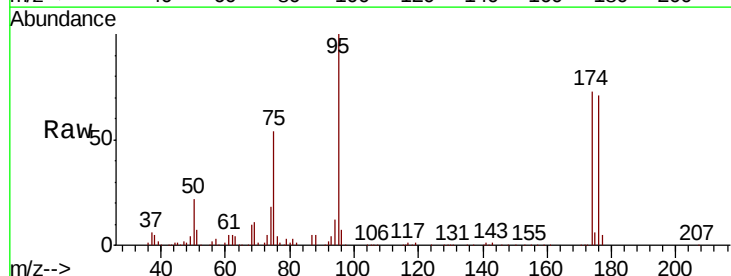
Instrument :
MSVOA_U
ClientSampled :
NS

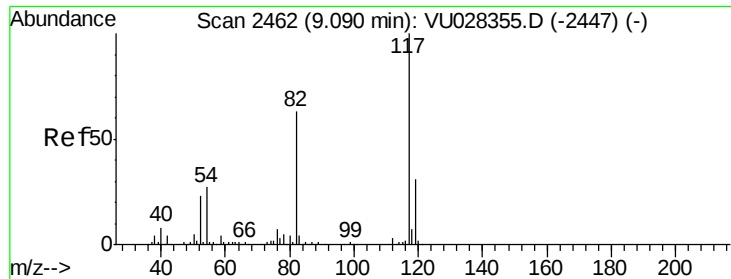
Tot Ion: 43 Resp: 2156
Ion Ratio Lower Upper
43 100
58 15.1 25.5 76.5#



#62
4-Bromofluorobenzene
Concen: 50.132 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028388.D
Acq: 29 Nov 2018 13:04

Tgt Ion: 95 Resp: 225633
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.4
176 70.9 0.0 140.8

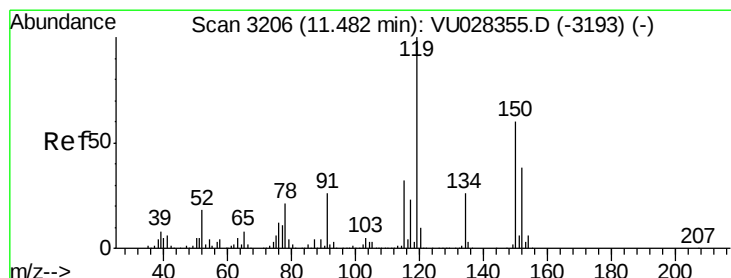
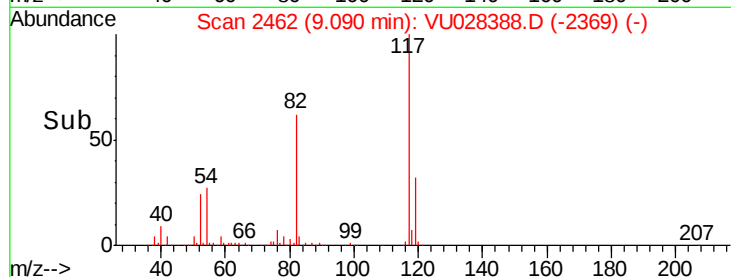
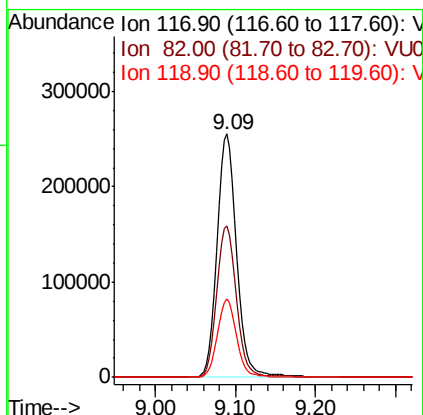
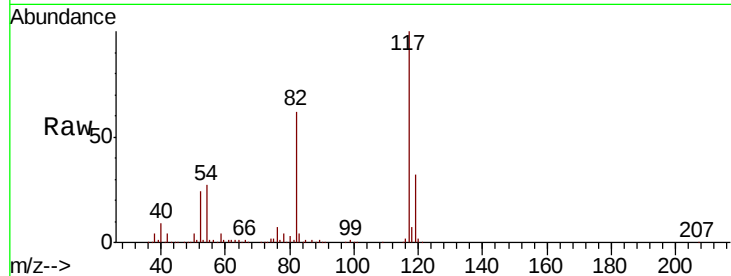




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028388.D
Acq: 29 Nov 2018 13:04

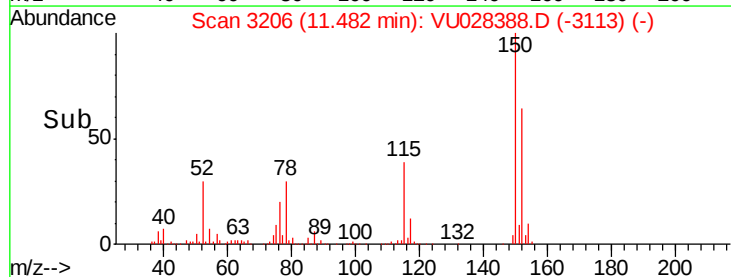
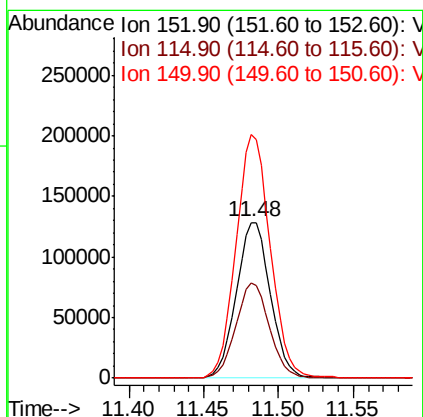
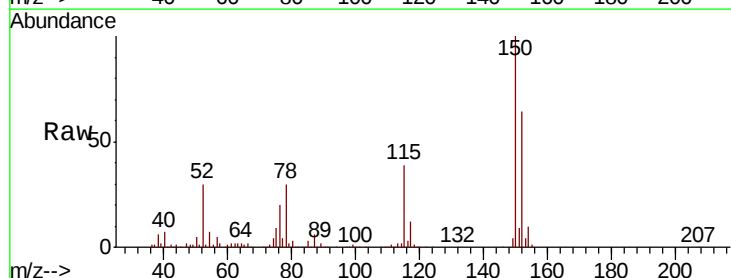
Instrument :
MSVOA_U
ClientSampleId :
NS

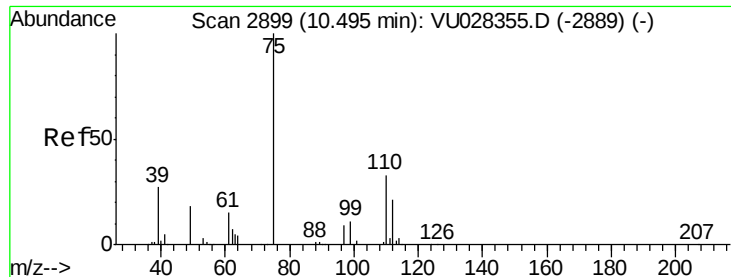
Tot Ion:117 Resp: 437626
Ion Ratio Lower Upper
117 100
82 62.2 50.3 75.5
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028388.D
Acq: 29 Nov 2018 13:04

Tgt Ion:152 Resp: 204228
Ion Ratio Lower Upper
152 100
115 60.5 45.0 134.8
150 157.0 0.0 349.2

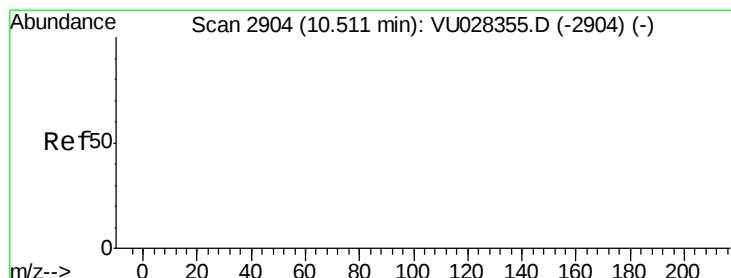
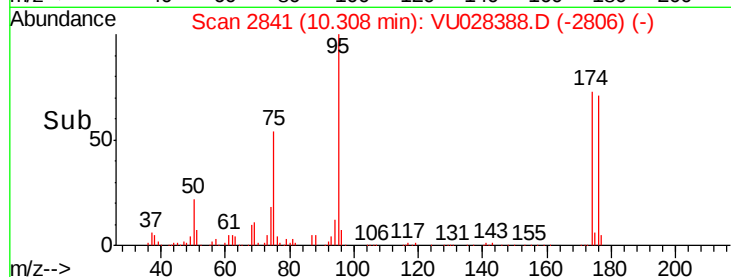
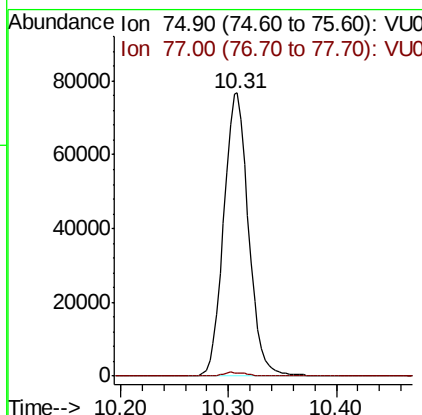
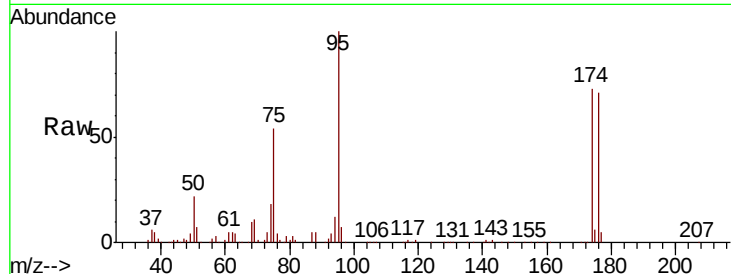




#76
 1,2,3-Trichloropropane
 Concen: 21.704 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU028388.D
 Acq: 29 Nov 2018 13:04

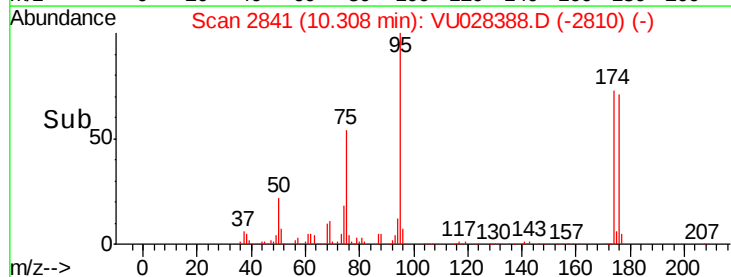
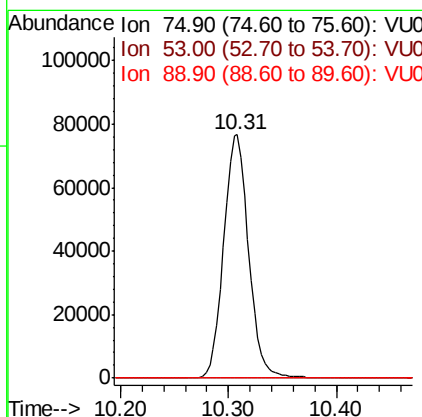
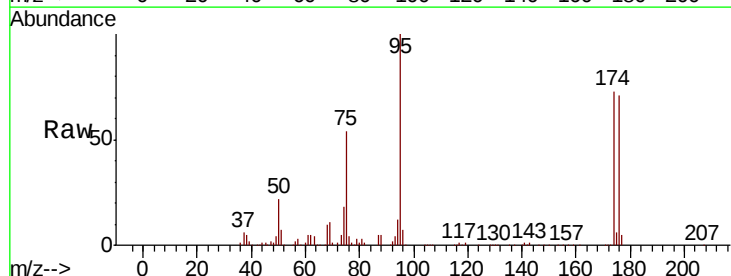
Instrument :
 MSVOA_U
 ClientSampled :
 NS

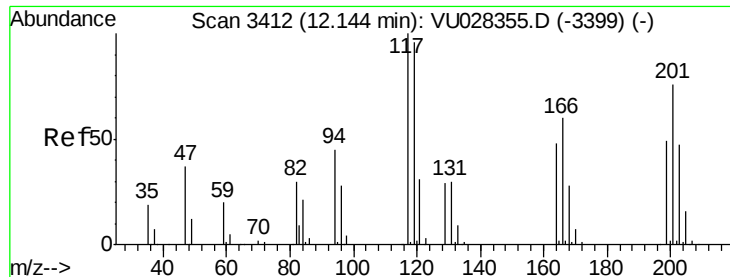
Tot Ion: 75 Resp: 122917
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.4 67.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.612 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028388.D
 Acq: 29 Nov 2018 13:04

Tgt Ion: 75 Resp: 122917
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#90

Hexachloroethane

Concen: 0.257 ug/l

RT: 12.35 min Scan# 3477

Delta R.T. 0.21 min

Lab File: VU028388.D

Acq: 29 Nov 2018 13:04

Instrument :

MSVOA_U

ClientSampleId :

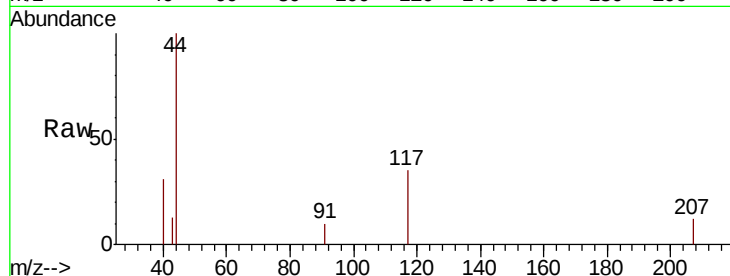
NS

Tot Ion:117 Resp: 534

Ion Ratio Lower Upper

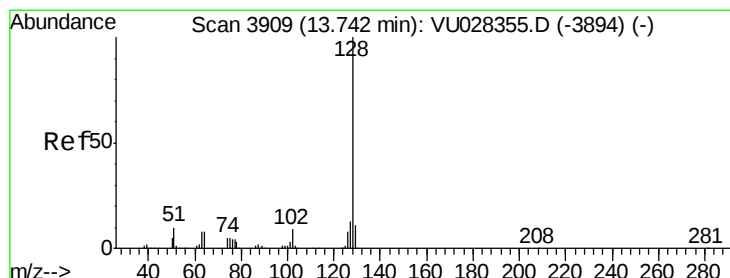
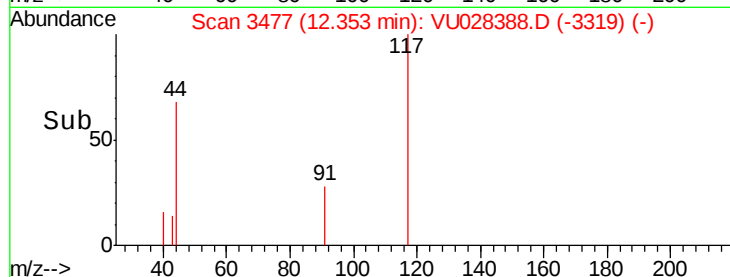
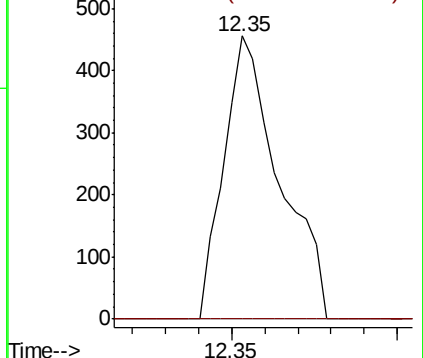
117 100

201 0.0 37.7 113.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 2.892 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU028388.D

Acq: 29 Nov 2018 13:04

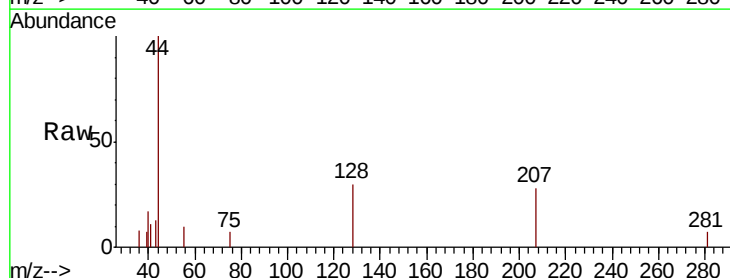
Tgt Ion:128 Resp: 1039

Ion Ratio Lower Upper

128 100

127 4.6 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

