

Data File : VX005829.D
Acq On : 07 Nov 2018 15:54
Operator : JC/MD
Sample : VX1107WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBL01

Quant Time: Nov 19 08:00:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	117053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	169600	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	136396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	68224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	71490	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	5.50	113	55862	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	8.71	98	179259	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
62) 4-Bromofluorobenzene	11.13	95	61194	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	

Target Compounds

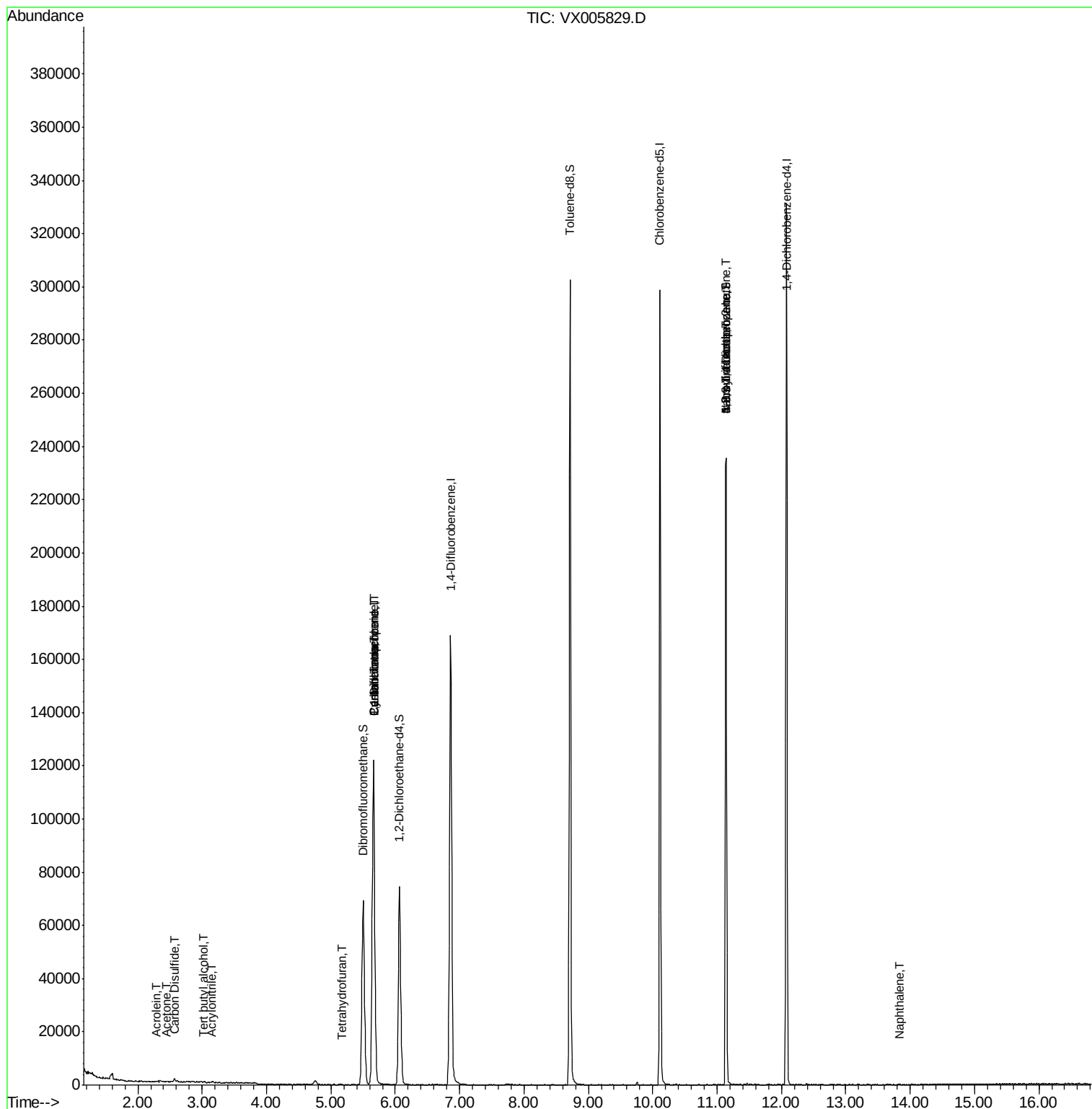
						Qvalue
11) Tert butyl alcohol	3.02	59	462	1.198	ug/l #	72
13) Acrolein	2.29	56	19	19.259	ug/l #	40
15) Acrylonitrile	3.15	53	237	0.297	ug/l #	89
16) Acetone	2.45	43	408	0.563	ug/l	96
17) Carbon Disulfide	2.57	76	1251	0.405	ug/l	99
18) Methyl Acetate	2.78	43	394	Below Cal	#	55
29) Tetrahydrofuran	5.17	42	215	0.294	ug/l #	36
31) Cyclohexane	5.67	56	2227	1.188	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	8158	4.990	ug/l #	48
38) Carbon Tetrachloride	5.66	117	10536	6.437	ug/l #	16
74) N-amyl acetate	11.13	43	20	1.260	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	31001	22.316	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	31001	71.124	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	68	Below Cal	#	31
95) Naphthalene	13.83	128	363	1.250	ug/l #	69

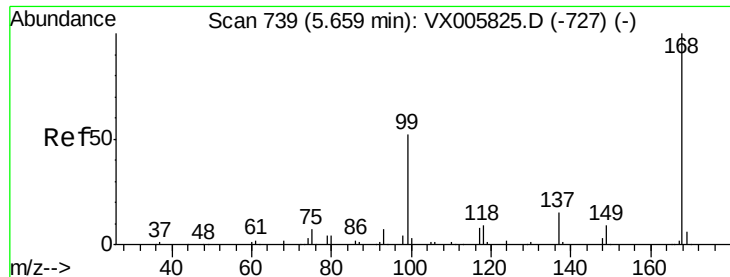
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

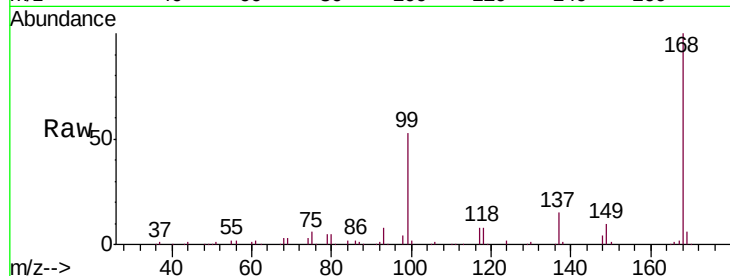
VX1107WBL01

Tgt Ion:168 Resp: 117053

Ion Ratio Lower Upper

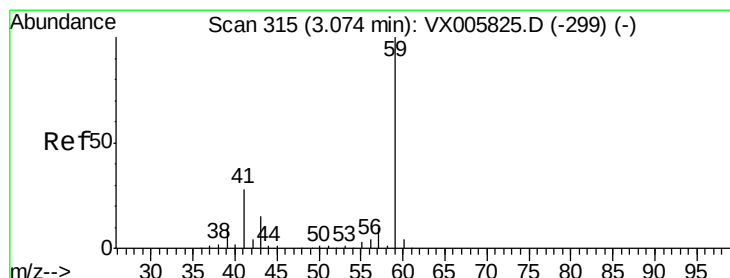
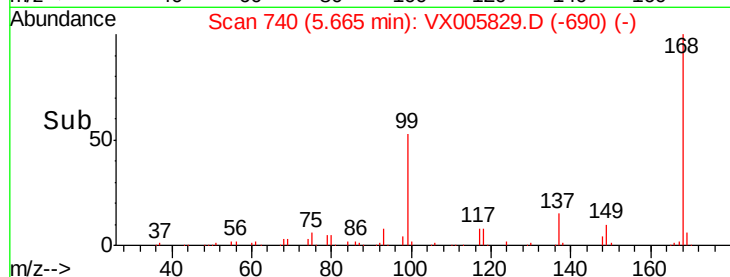
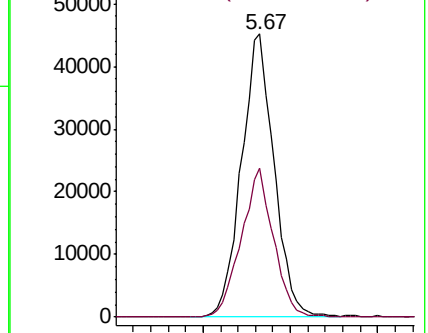
168 100

99 52.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 1.198 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX005829.D

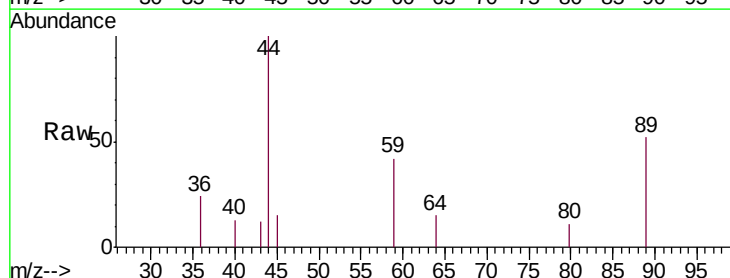
Acq: 07 Nov 2018 15:54

Tgt Ion: 59 Resp: 462

Ion Ratio Lower Upper

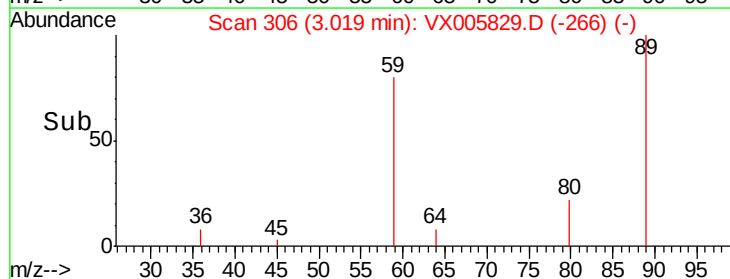
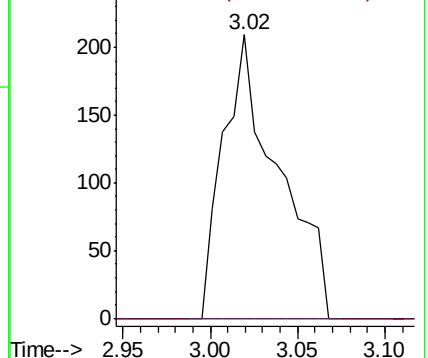
59 100

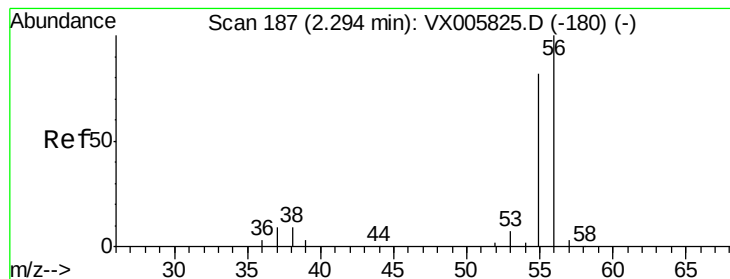
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 19.259 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

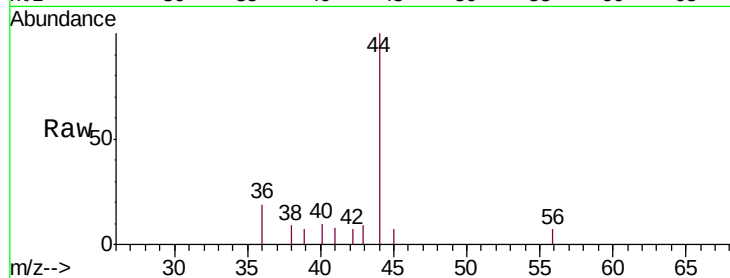
VX1107WBL01

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

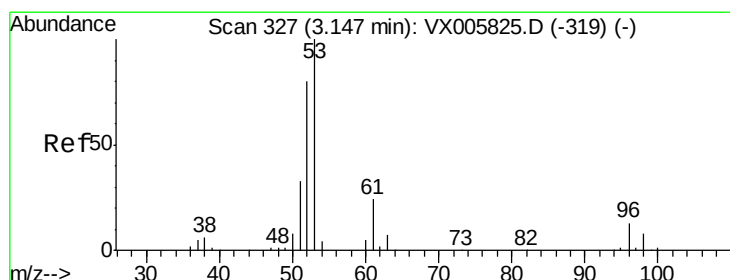
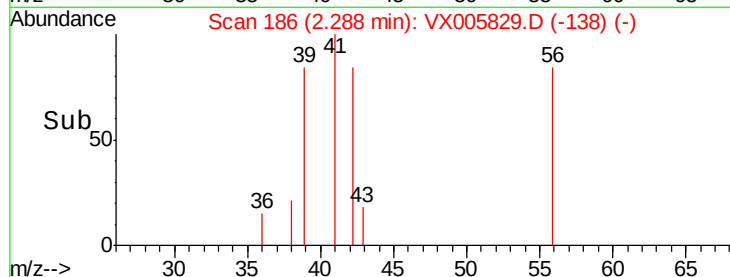
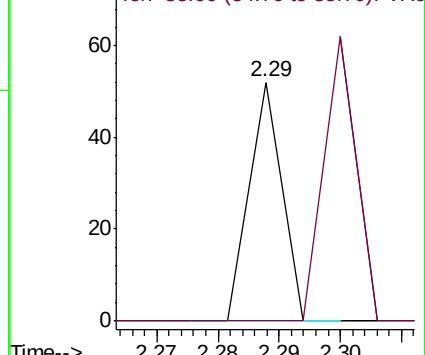
56 100

55 121.1 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.297 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

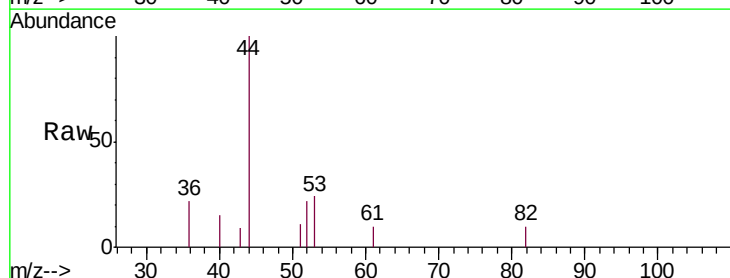
Tgt Ion: 53 Resp: 237

Ion Ratio Lower Upper

53 100

52 82.3 66.6 99.8

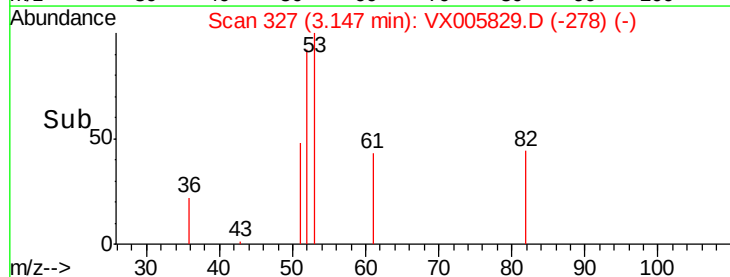
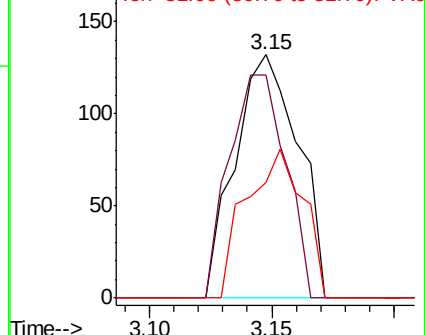
51 55.3 28.4 42.6#

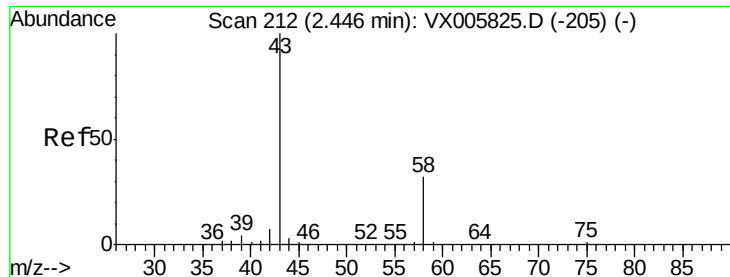


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.563 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

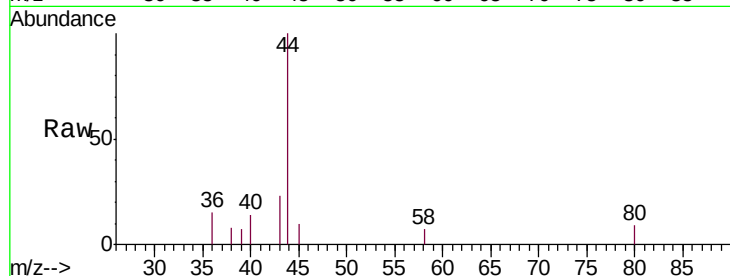
VX1107WBL01

Tgt Ion: 43 Resp: 408

Ion Ratio Lower Upper

43 100

58 31.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

150

100

50

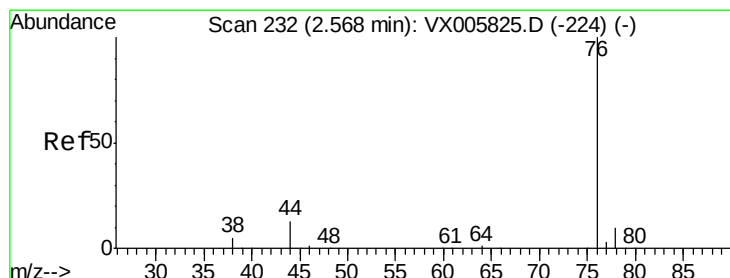
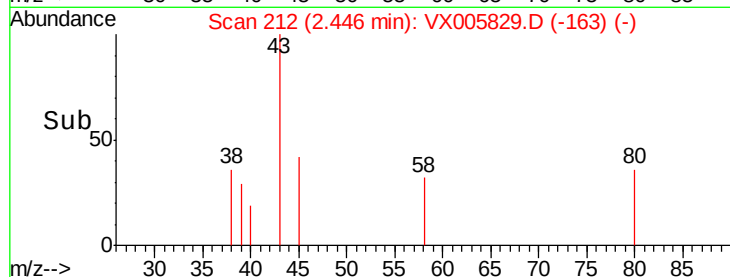
0

2.40

2.45

2.50

Time-->



#17

Carbon Disulfide

Concen: 0.405 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005829.D

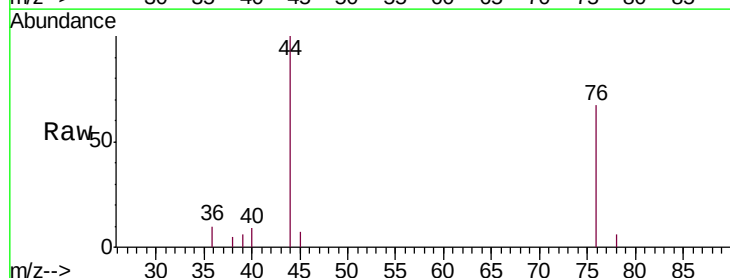
Acq: 07 Nov 2018 15:54

Tgt Ion: 76 Resp: 1251

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

600

400

200

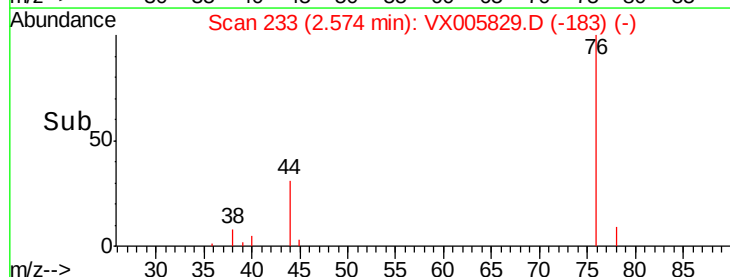
0

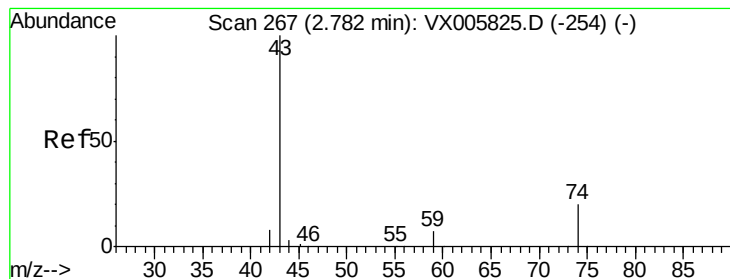
2.50

2.55

2.60

Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

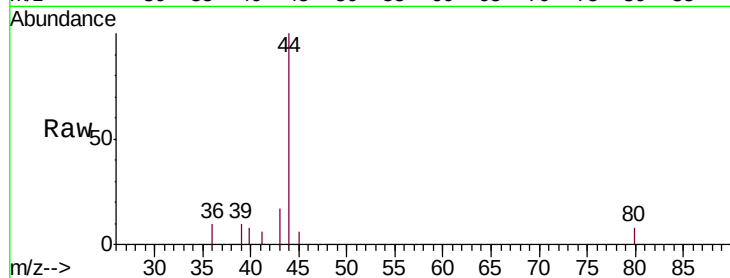
VX1107WBL01

Tgt Ion: 43 Resp: 394

Ion Ratio Lower Upper

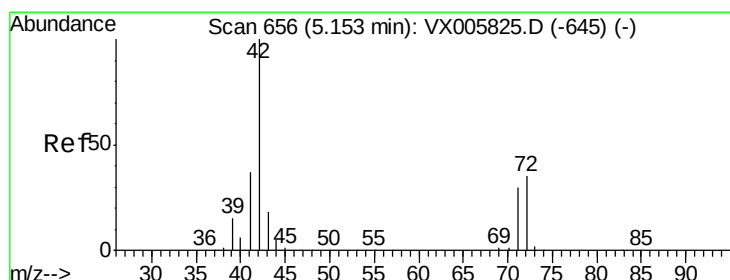
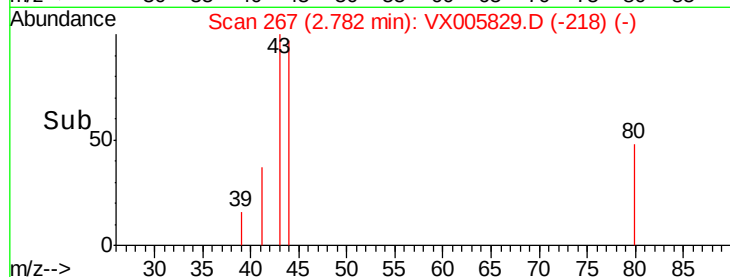
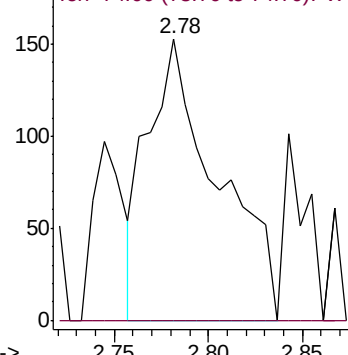
43 100

74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#29

Tetrahydrofuran

Concen: 0.294 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

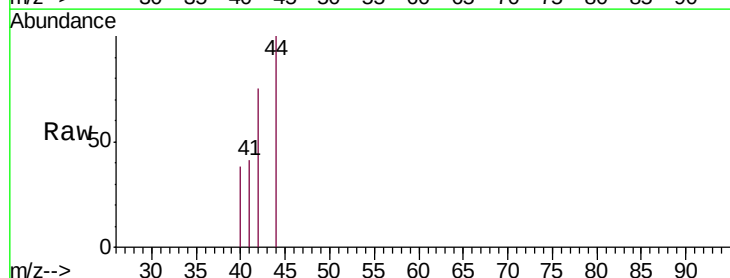
Tgt Ion: 42 Resp: 215

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

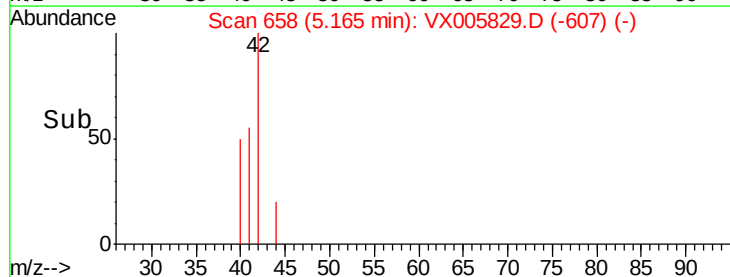
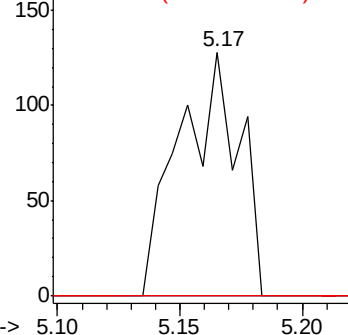
71 0.0 29.8 44.8#

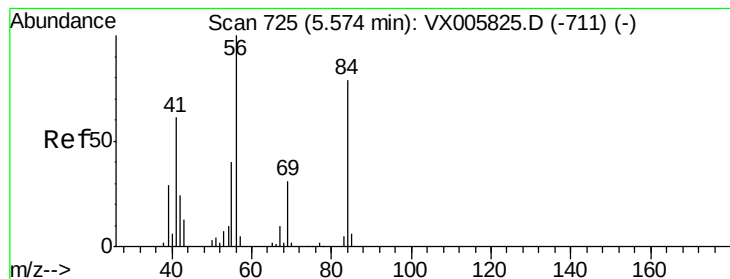


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBL01

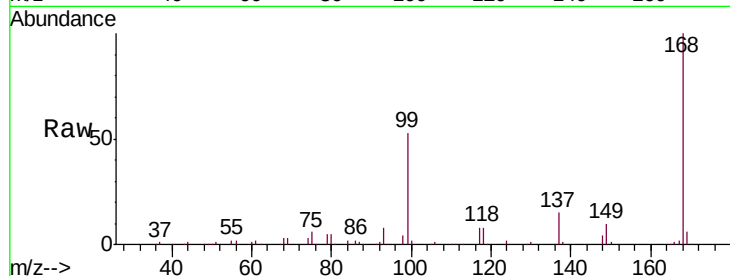
Tgt Ion: 56 Resp: 2227

Ion Ratio Lower Upper

56 100

69 189.3 22.6 34.0#

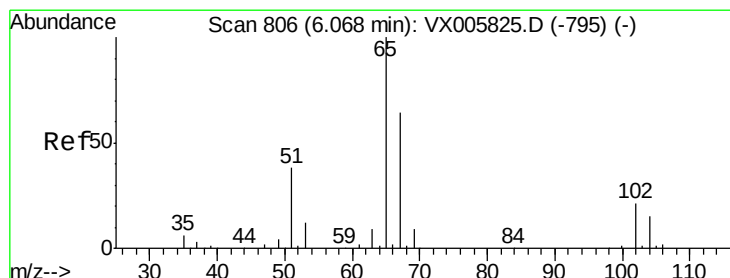
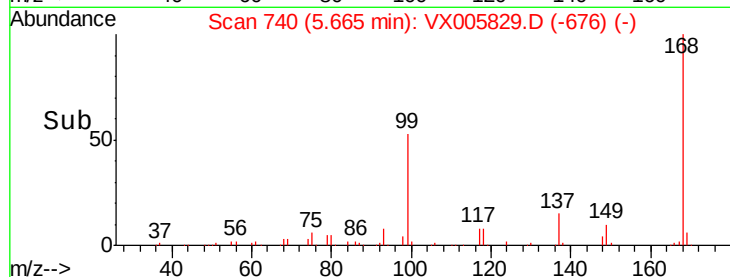
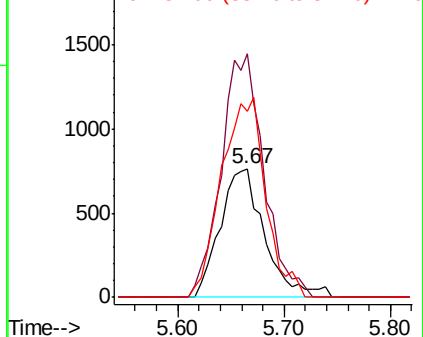
84 144.6 62.7 94.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.126 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005829.D

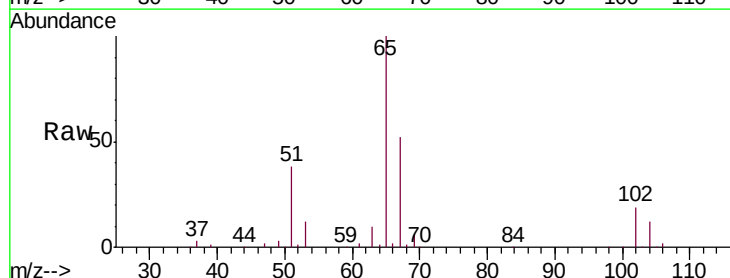
Acq: 07 Nov 2018 15:54

Tgt Ion: 65 Resp: 71490

Ion Ratio Lower Upper

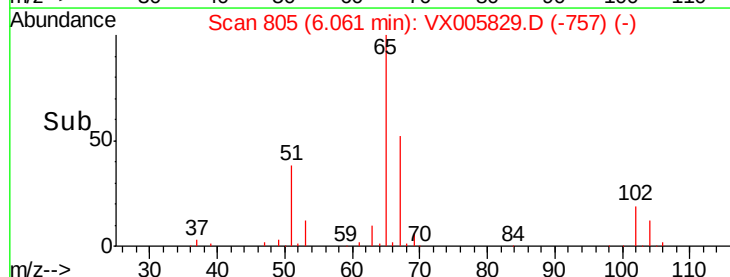
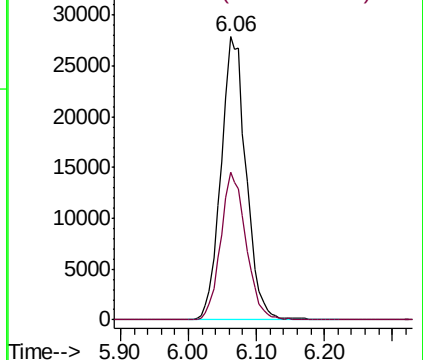
65 100

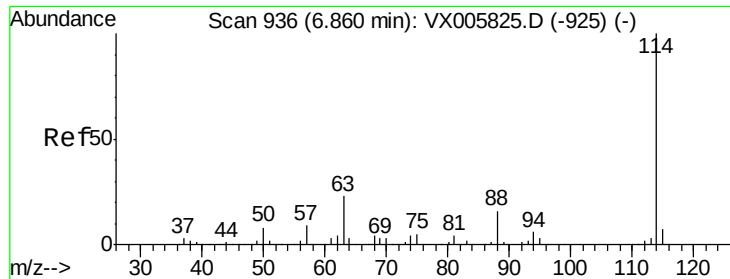
67 52.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

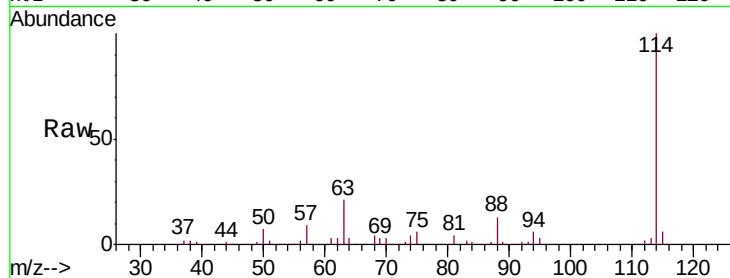




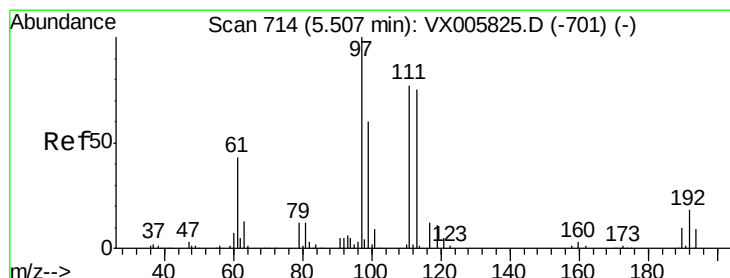
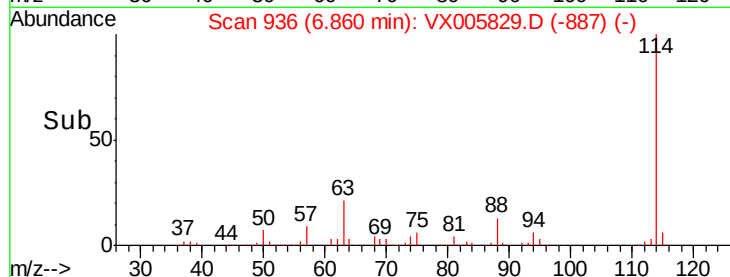
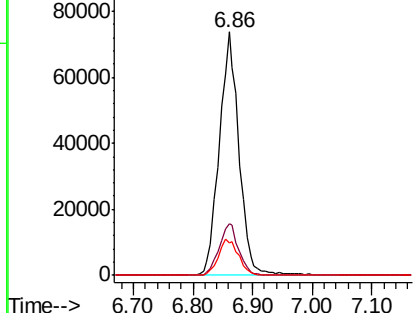
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005829.D
 Acq: 07 Nov 2018 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1107WBL01

Tgt Ion:114 Resp: 169600
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 13.3 0.0 31.2

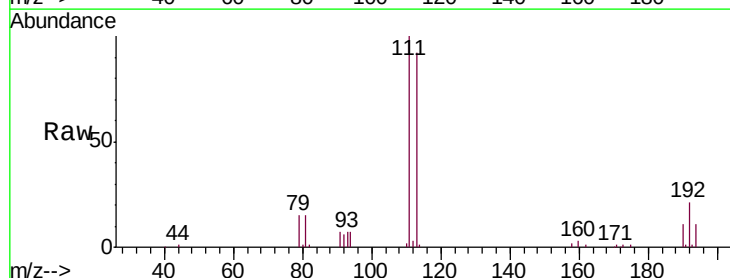


Abundance Ion 113.90 (113.60 to 114.60): V
 100000 Ion 63.00 (62.70 to 63.70): VX0
 80000 Ion 87.90 (87.60 to 88.60): VX0
 60000
 40000
 20000
 0

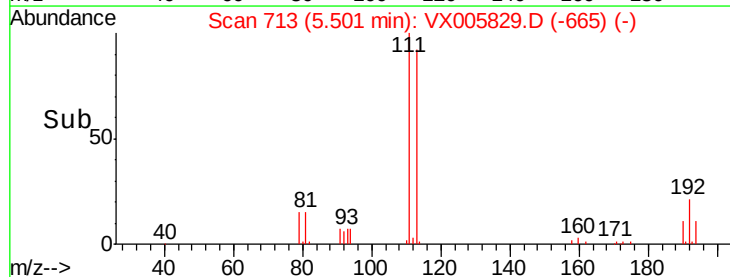
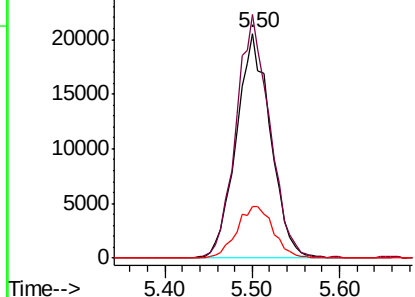


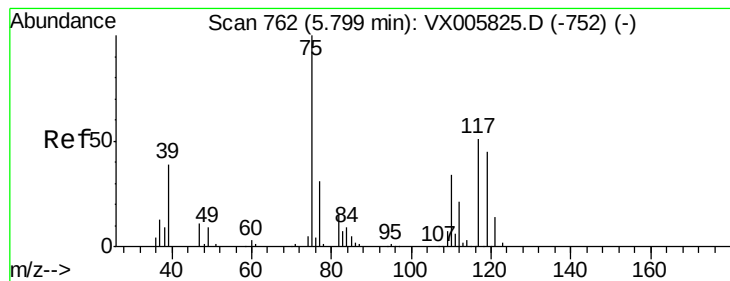
#35
 Dibromofluoromethane
 Concen: 48.427 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005829.D
 Acq: 07 Nov 2018 15:54

Tgt Ion:113 Resp: 55862
 Ion Ratio Lower Upper
 113 100
 111 106.8 82.3 123.5
 192 24.4 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
 30000 Ion 110.80 (110.50 to 111.50): V
 25000 Ion 191.70 (191.40 to 192.40): V
 20000
 15000
 10000
 5000
 0





#36

1,1-Dichloropropene

Concen: 4.990 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBL01

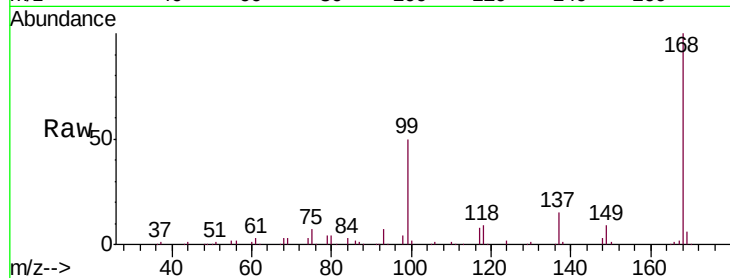
Tgt Ion: 75 Resp: 8158

Ion Ratio Lower Upper

75 100

110 7.6 17.4 52.2#

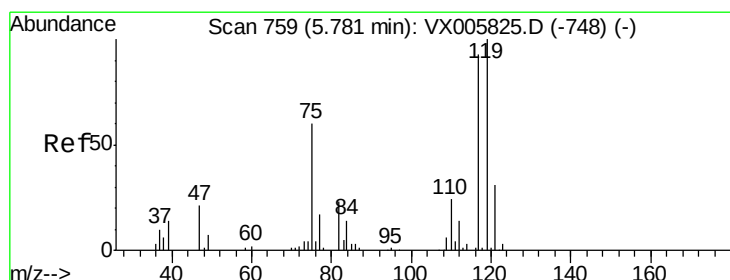
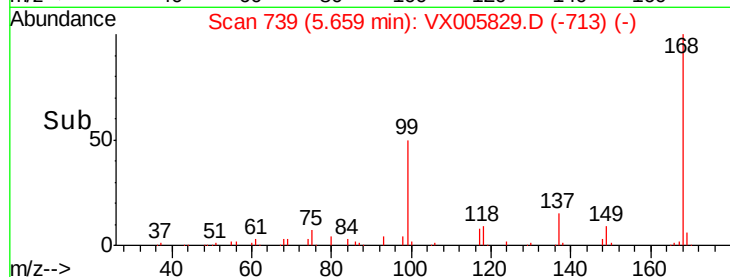
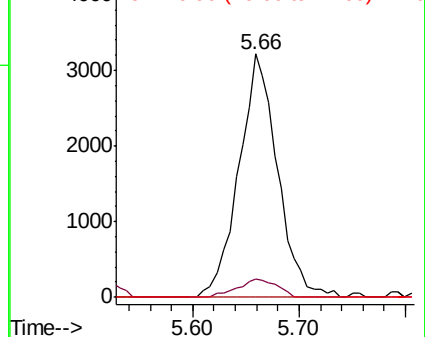
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.437 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

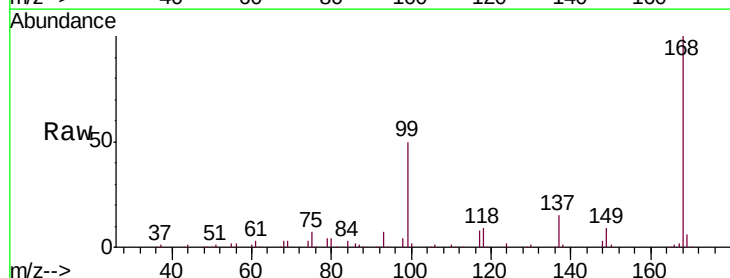
Tgt Ion: 117 Resp: 10536

Ion Ratio Lower Upper

117 100

119 5.8 78.1 117.1#

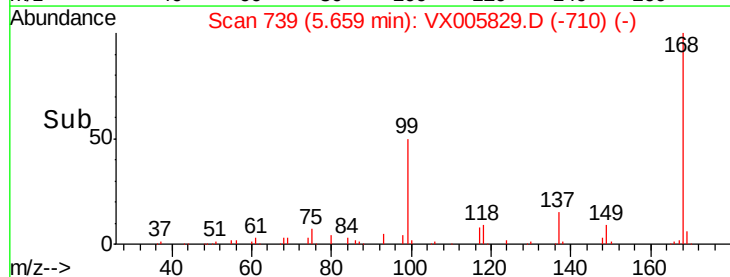
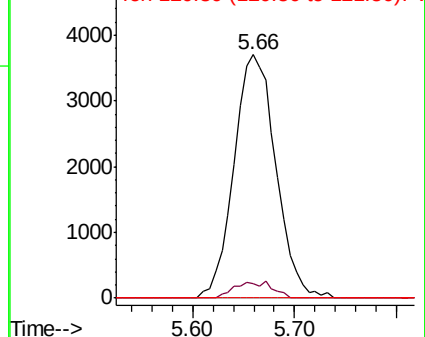
121 0.0 24.6 36.8#

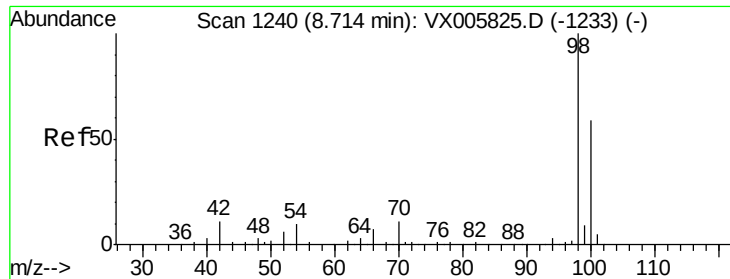


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

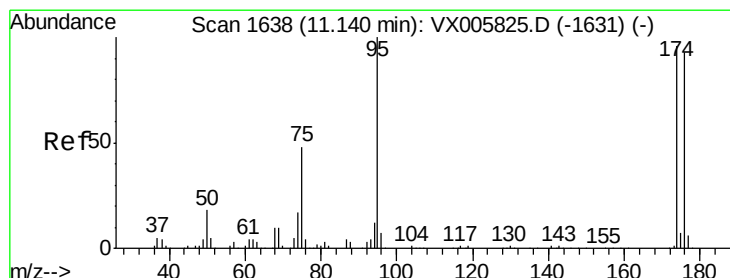
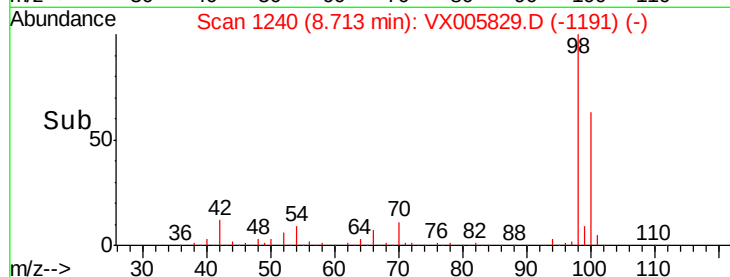
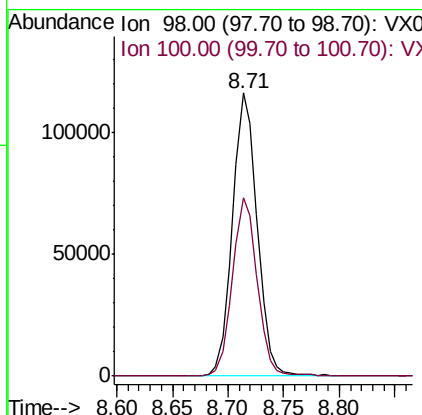
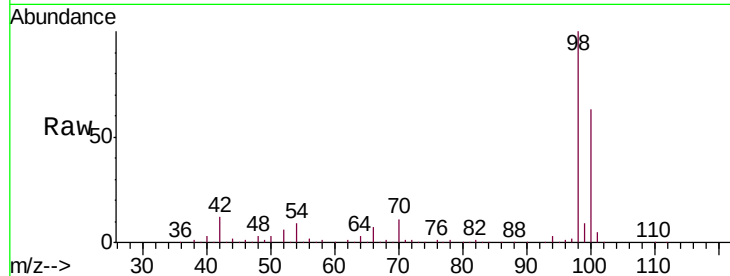




#50
Toluene-d8
Concen: 46.743 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005829.D
Acq: 07 Nov 2018 15:54

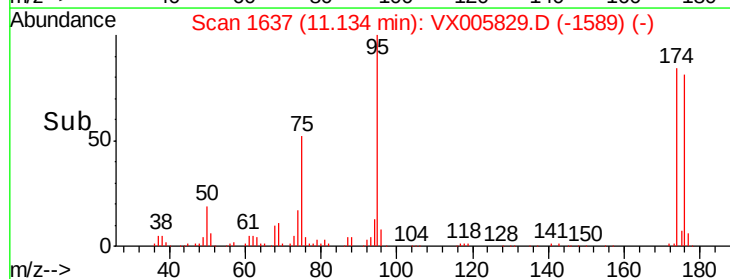
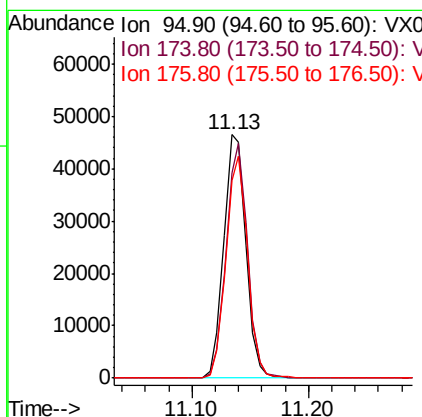
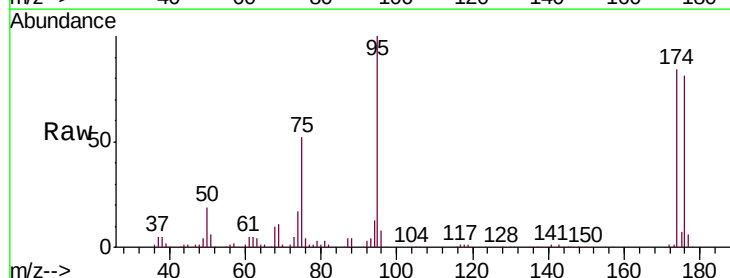
Instrument :
MSVOA_X
ClientSampled :
VX1107WBL01

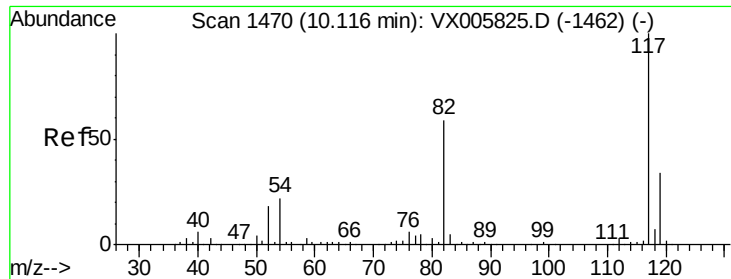
Tgt Ion: 98 Resp: 179259
Ion Ratio Lower Upper
98 100
100 63.2 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 44.381 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX005829.D
Acq: 07 Nov 2018 15:54

Tgt Ion: 95 Resp: 61194
Ion Ratio Lower Upper
95 100
174 93.1 0.0 184.4
176 89.2 0.0 177.4

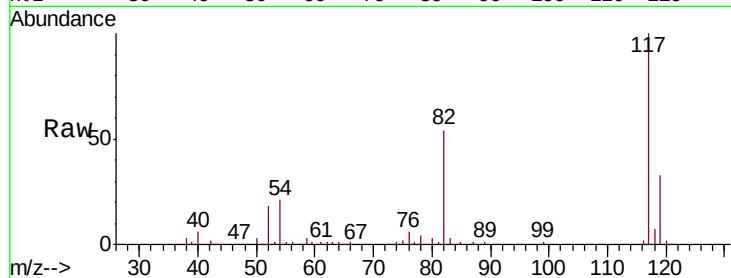




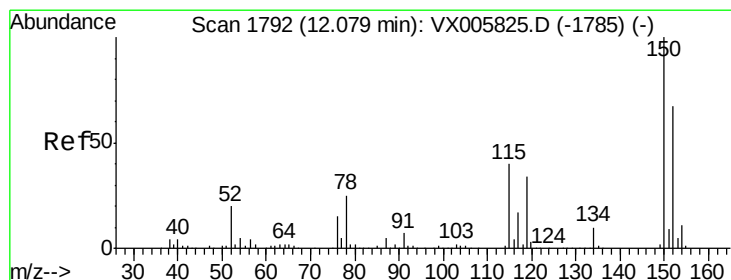
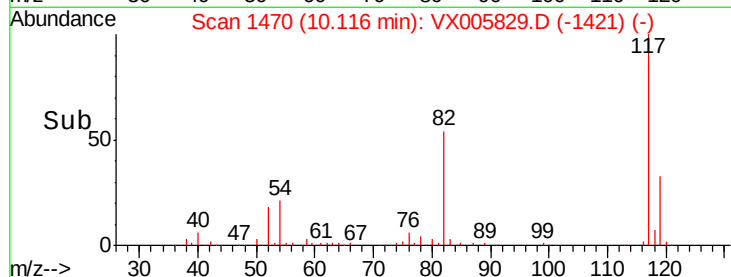
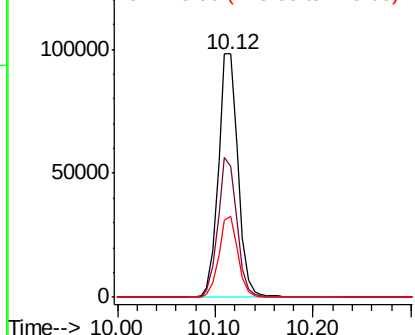
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005829.D
Acq: 07 Nov 2018 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBL01

Tgt Ion:117 Resp: 136396
Ion Ratio Lower Upper
117 100
82 54.0 44.1 66.1
119 33.3 26.2 39.2

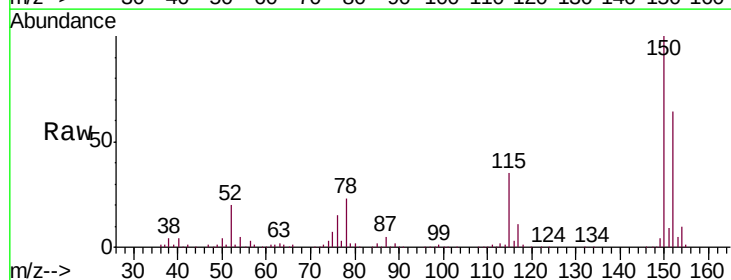


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

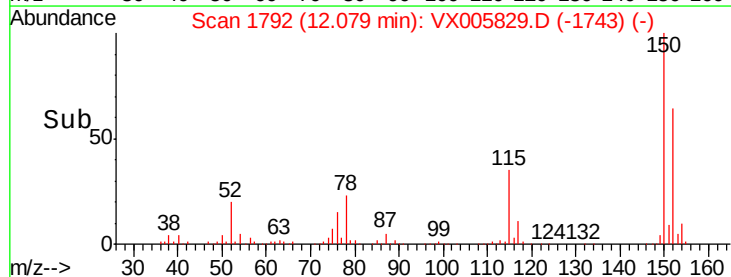
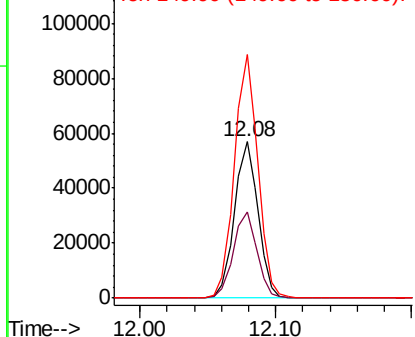


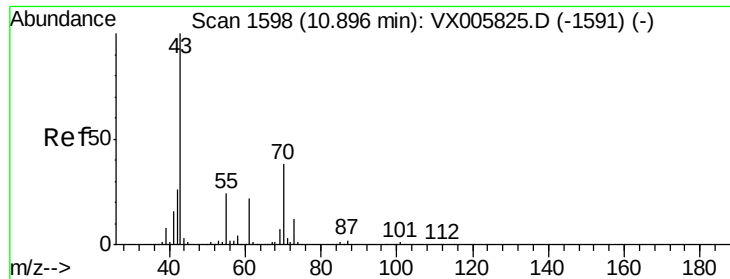
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005829.D
Acq: 07 Nov 2018 15:54

Tgt Ion:152 Resp: 68224
Ion Ratio Lower Upper
152 100
115 55.6 39.4 118.1
150 155.9 0.0 346.4



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





#74

N-amyI acetate

Concen: 1.260 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.24 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

Instrument :

MSVOA_X

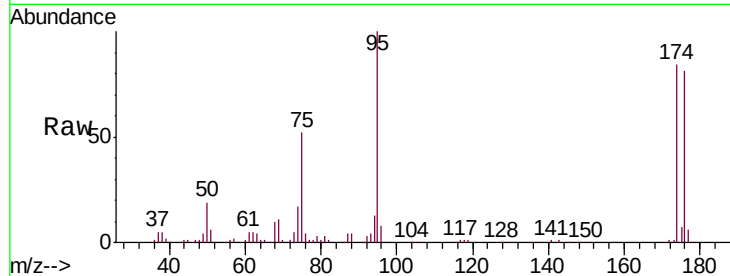
ClientSampleId :

VX1107WBL01

Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43	100		
70	2340.0	31.6	47.4#
55	745.0	19.7	29.5#
61	15010.0	18.3	27.5#

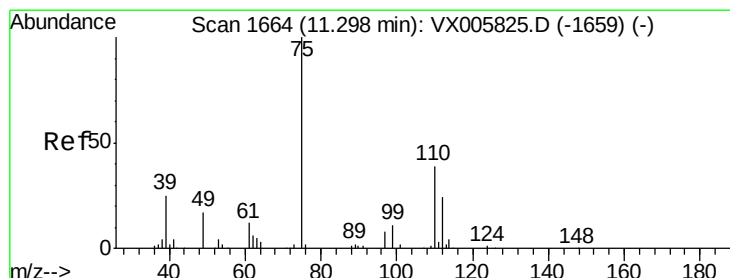
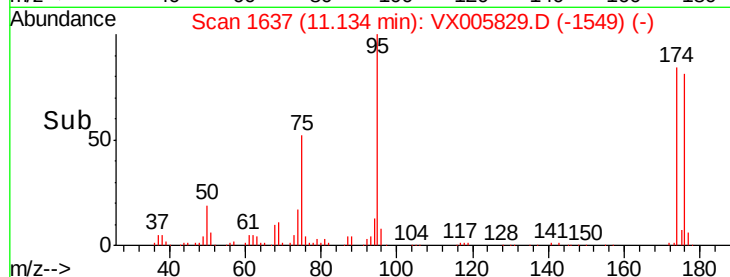
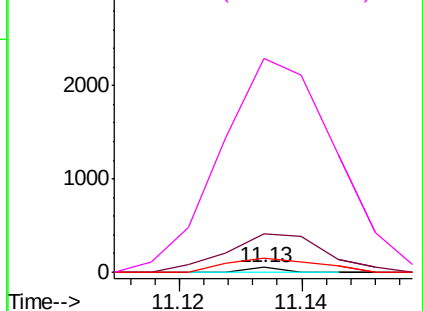


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 22.316 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

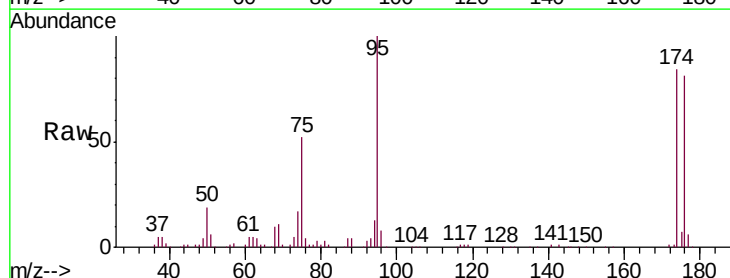
Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

Tgt Ion: 75 Resp: 31001

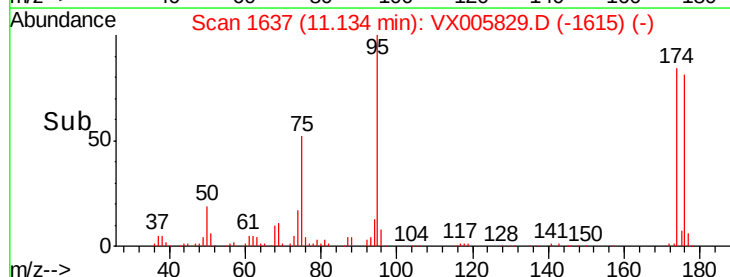
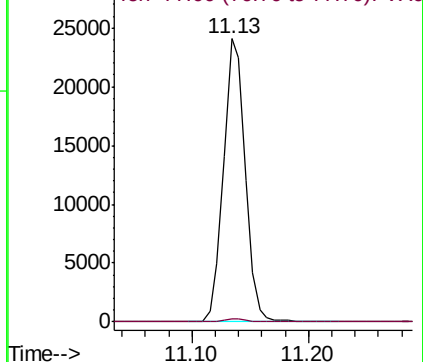
Ion Ratio Lower Upper

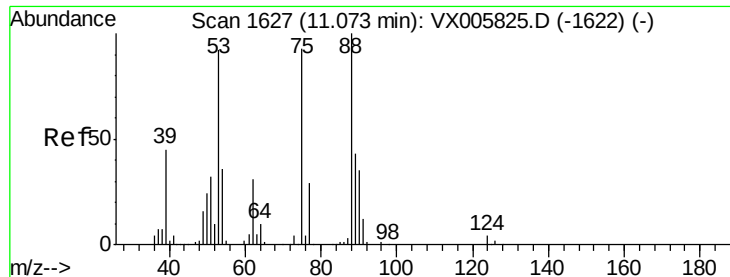
75	100		
77	1.3	20.5	61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.124 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX1107WBL01

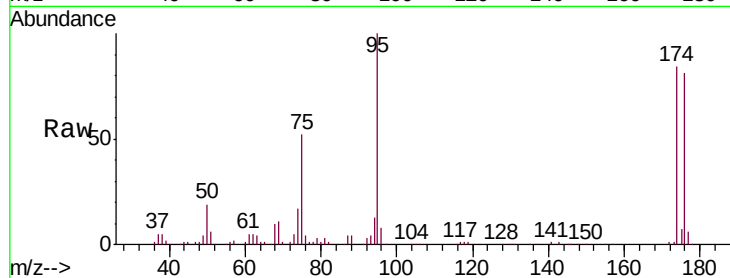
Tgt Ion: 75 Resp: 31001

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

89 0.0 39.8 59.8#

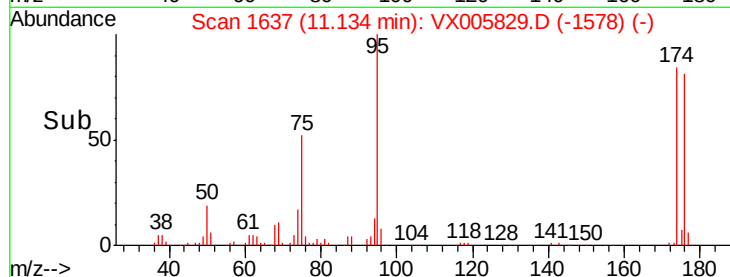


Abundance Ion 74.90 (74.60 to 75.60): VX005829.D (-1622) (-)

Ion 53.00 (52.70 to 53.70): VX005829.D (-1622) (-)

Ion 88.90 (88.60 to 89.60): VX005829.D (-1622) (-)

Time-->

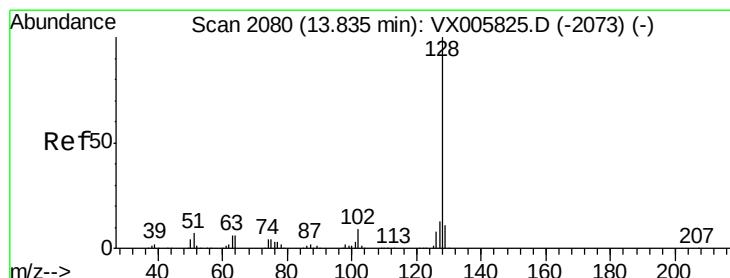


Abundance Ion 74.90 (74.60 to 75.60): VX005829.D (-1578) (-)

Ion 53.00 (52.70 to 53.70): VX005829.D (-1578) (-)

Ion 88.90 (88.60 to 89.60): VX005829.D (-1578) (-)

Time-->



#95

Naphthalene

Concen: 1.250 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005829.D

Acq: 07 Nov 2018 15:54

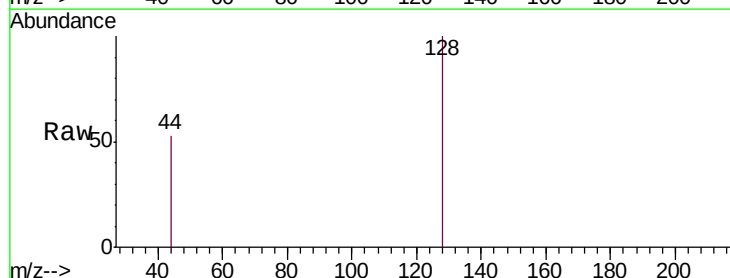
Tgt Ion: 128 Resp: 363

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

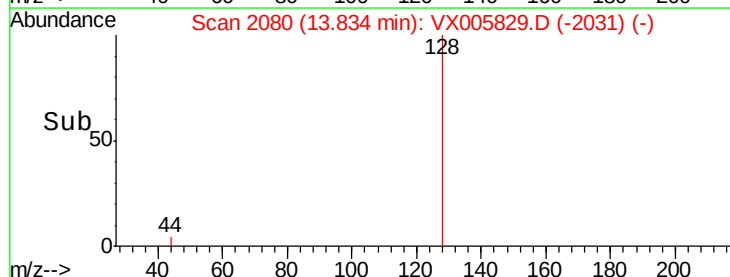


Abundance Ion 128.00 (127.70 to 128.70): VX005829.D (-2073) (-)

Ion 127.00 (126.70 to 127.70): VX005829.D (-2073) (-)

Ion 129.00 (128.70 to 129.70): VX005829.D (-2073) (-)

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VX005829.D (-2031) (-)

Ion 127.00 (126.70 to 127.70): VX005829.D (-2031) (-)

Ion 129.00 (128.70 to 129.70): VX005829.D (-2031) (-)

Time-->