

Data File : VX001366.D

Acq On : 03 May 2018 18:23

Operator : JC/MD

Sample : J2711-03 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
4215

Quant Time: May 04 07:15:10 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	149202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	211631	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	193254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	95396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	80744	39.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.18%	
35) Dibromofluoromethane	5.51	113	67541	37.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.08%	
50) Toluene-d8	8.72	98	249089	38.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.48%	
62) 4-Bromofluorobenzene	11.15	95	80595	30.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.88%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	460	Below Cal	#	78
10) Methyl Iodide	2.53	142	523	4.59	ug/l #	91
11) Tert butyl alcohol	3.03	59	930	2.62	ug/l #	77
13) Acrolein	2.31	56	164	0.80	ug/l #	14
16) Acetone	2.45	43	3745	4.25	ug/l	100
18) Methyl Acetate	2.78	43	3424	1.64	ug/l	98
20) Methylene Chloride	2.86	84	104580	66.26	ug/l	98
29) Tetrahydrofuran	5.21	42	581	0.79	ug/l #	60
31) Cyclohexane	5.67	56	2669	1.05	ug/l #	15
36) 1,1-Dichloropropene	5.68	75	9350	3.83	ug/l #	49
38) Carbon Tetrachloride	5.67	117	12823	5.01	ug/l #	19
76) 1,2,3-Trichloropropane	11.15	75	41880	23.74	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.15	75	41880	74.90	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.81	105	2155	0.39	ug/l	98
95) Naphthalene	13.84	128	20844	2.99	ug/l	99

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

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ClientSampleId :

4215

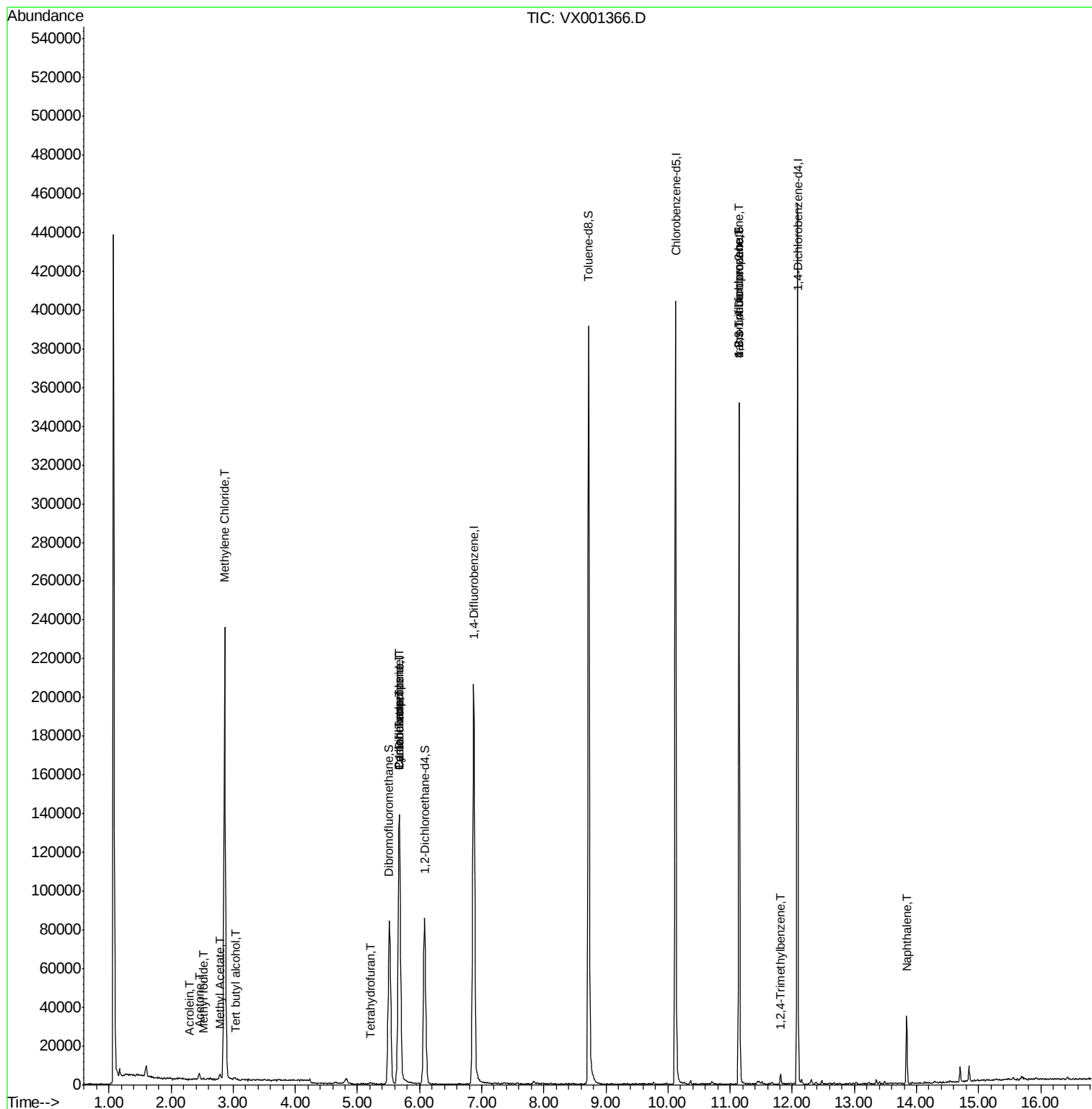
Quant Time: May 04 07:15:10 2018

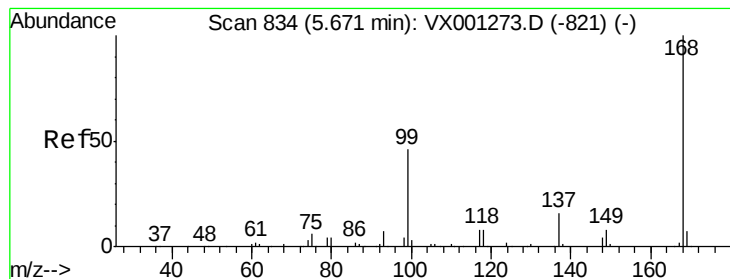
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

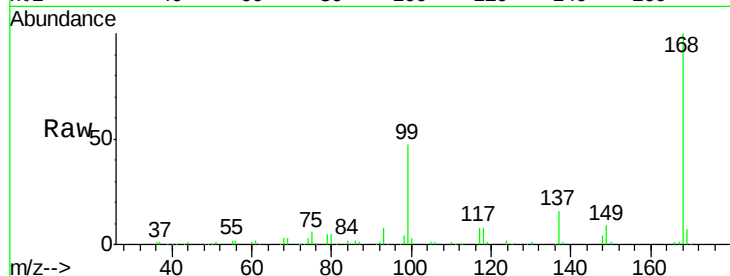
4215

Tgt Ion: 168 Resp: 149202

Ion Ratio Lower Upper

168 100

99 47.4 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

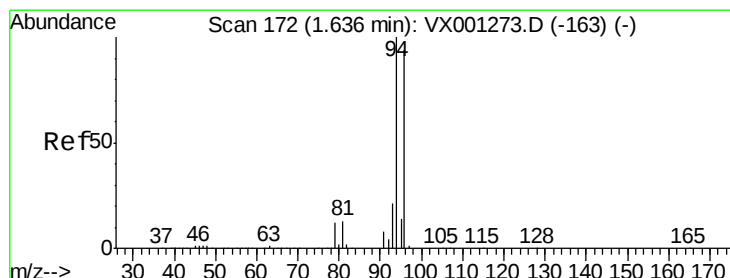
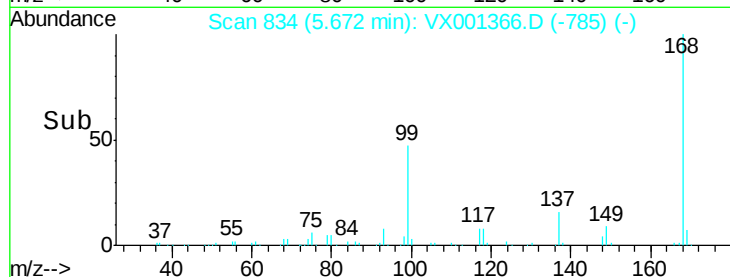
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001366.D

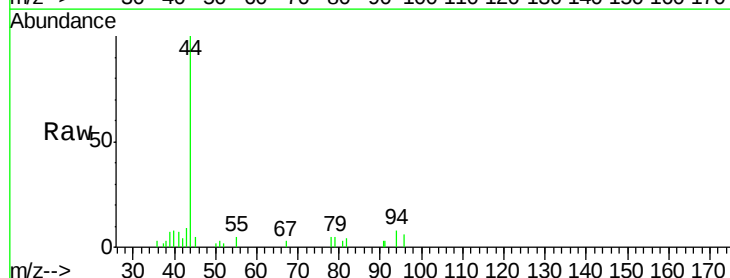
Acq: 03 May 2018 18:23

Tgt Ion: 94 Resp: 460

Ion Ratio Lower Upper

94 100

96 73.1 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

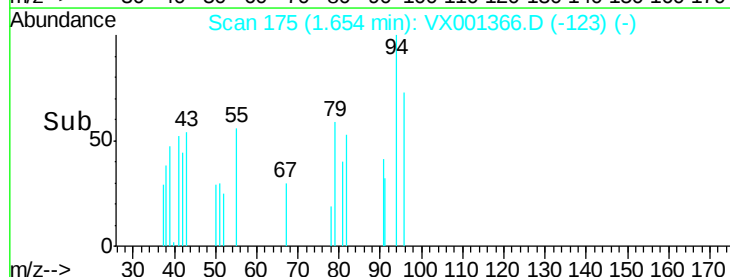
150

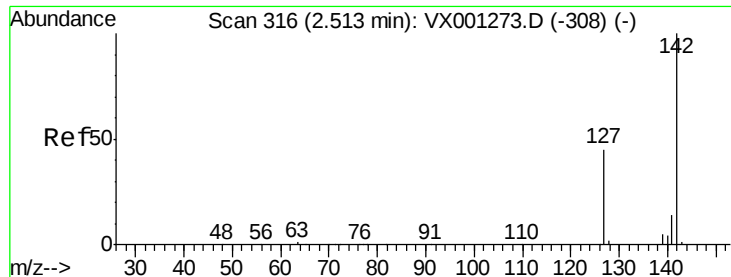
100

50

0

Time-->

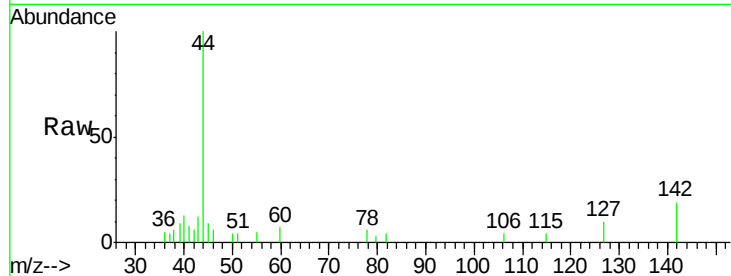




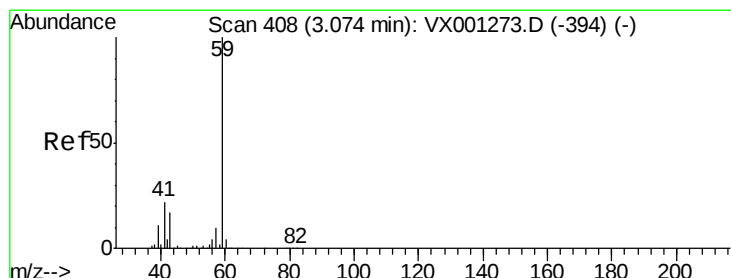
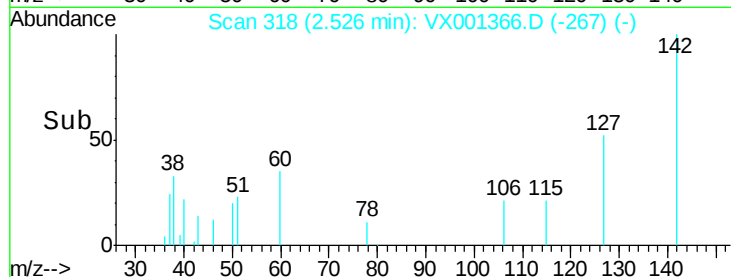
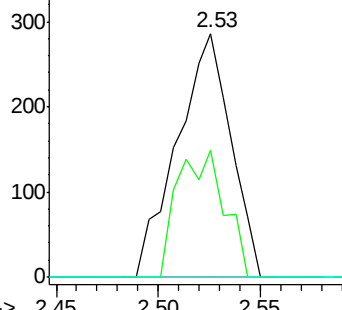
#10
Methyl Iodide
Concen: 4.59 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001366.D
Acq: 03 May 2018 18:23

Instrument :
MSVOA_X
ClientSampled :
4215

Tgt Ion:142 Resp: 523
Ion Ratio Lower Upper
142 100
127 45.5 35.7 53.5
141 0.0 11.4 17.0#

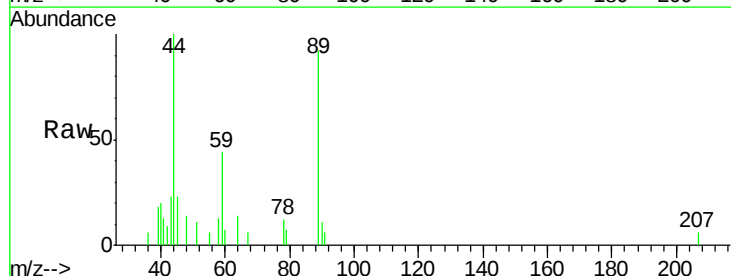


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

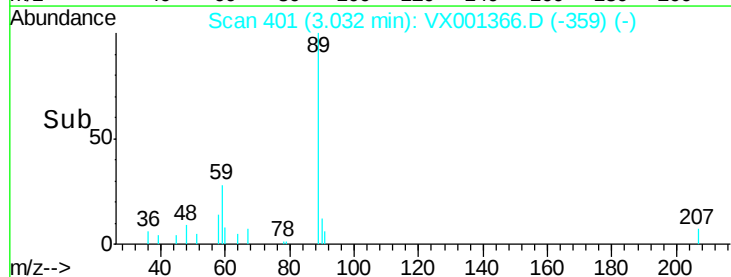
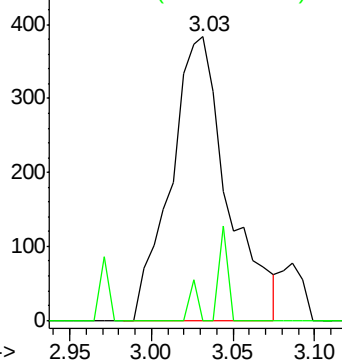


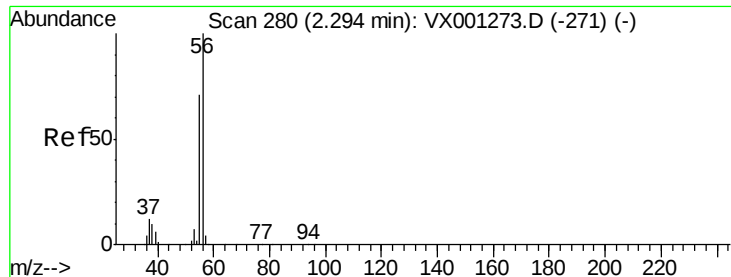
#11
Tert butyl alcohol
Concen: 2.62 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.04 min
Lab File: VX001366.D
Acq: 03 May 2018 18:23

Tgt Ion: 59 Resp: 930
Ion Ratio Lower Upper
59 100
57 2.2 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.80 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

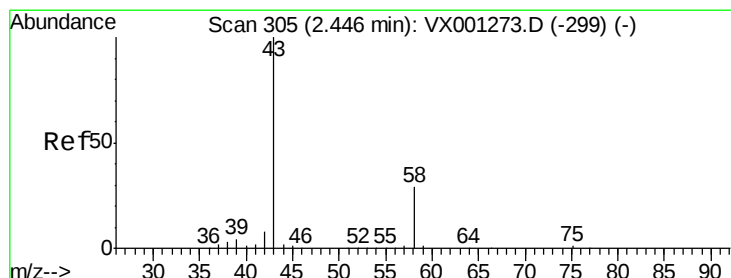
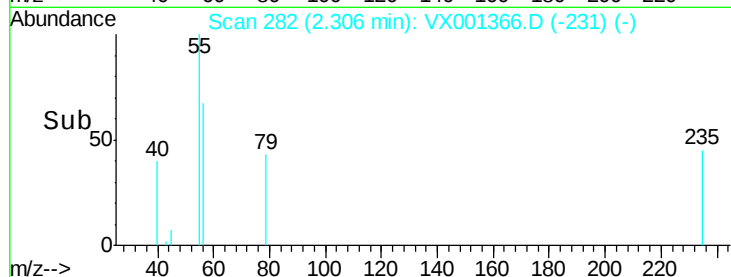
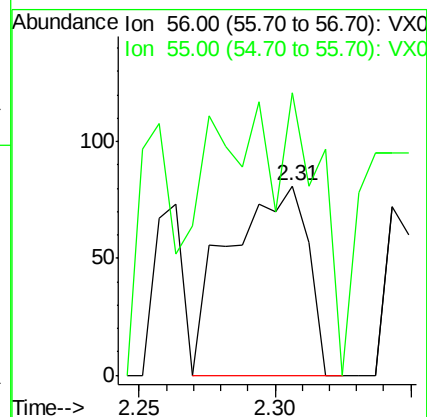
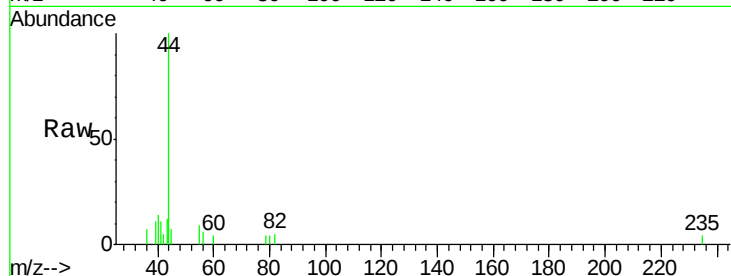
4215

Tgt Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 0.0 57.2 85.8#



#16

Acetone

Concen: 4.25 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001366.D

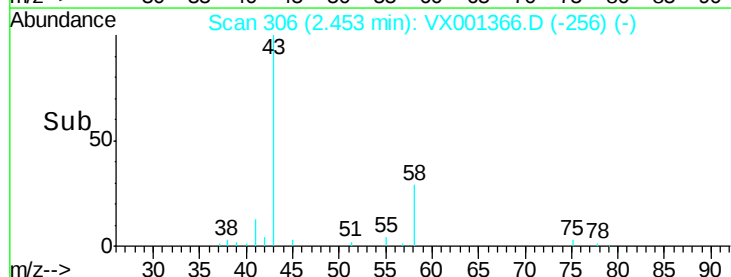
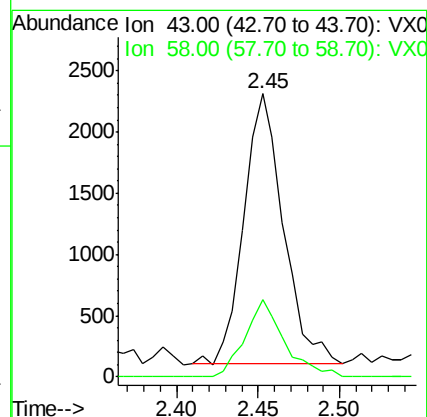
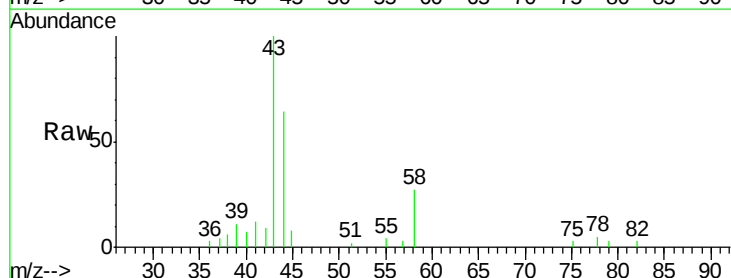
Acq: 03 May 2018 18:23

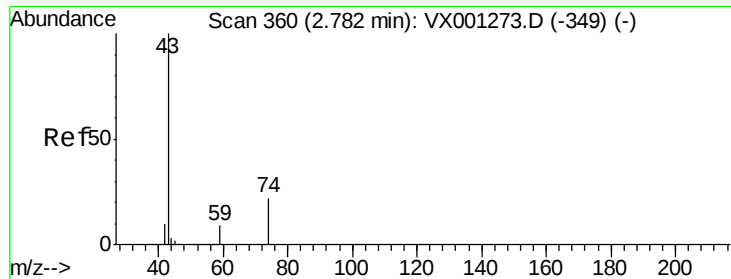
Tgt Ion: 43 Resp: 3745

Ion Ratio Lower Upper

43 100

58 28.4 22.8 34.2





#18

Methyl Acetate

Concen: 1.64 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

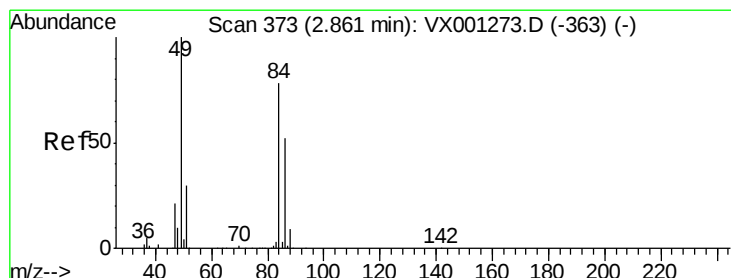
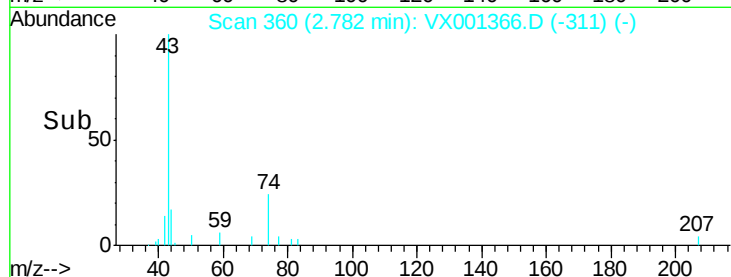
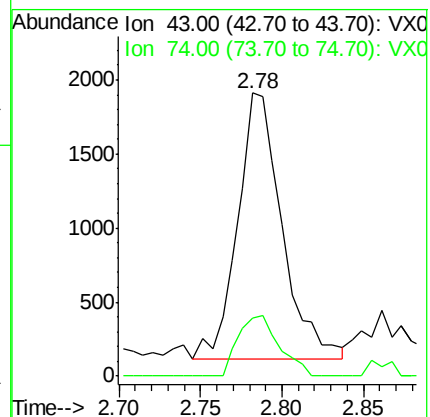
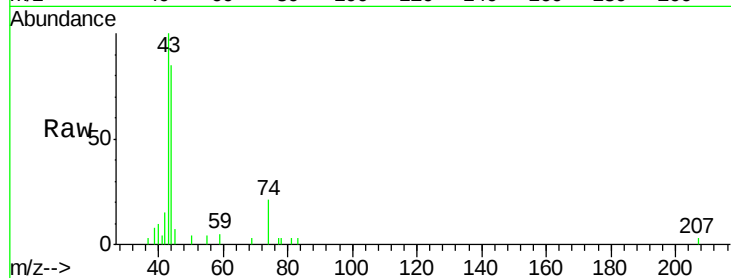
4215

Tgt Ion: 43 Resp: 3424

Ion Ratio Lower Upper

43 100

74 21.0 17.8 26.6



#20

Methylene Chloride

Concen: 66.26 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Tgt Ion: 84 Resp: 104580

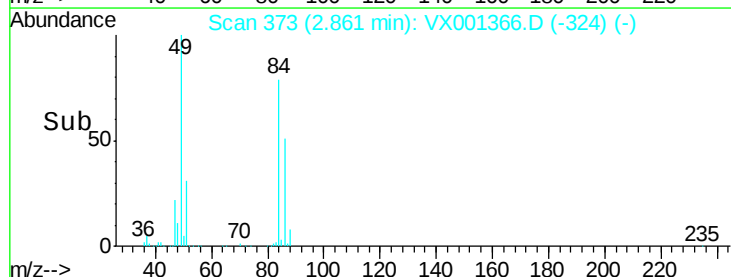
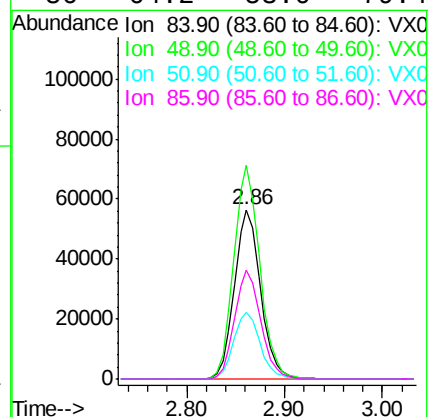
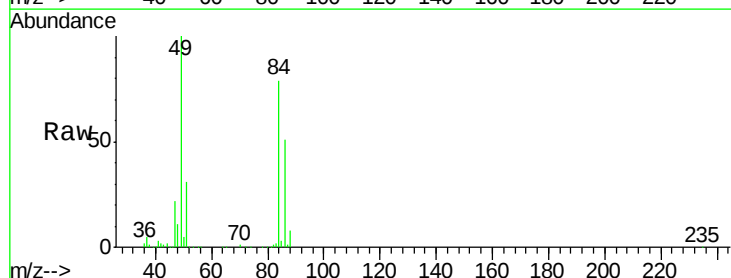
Ion Ratio Lower Upper

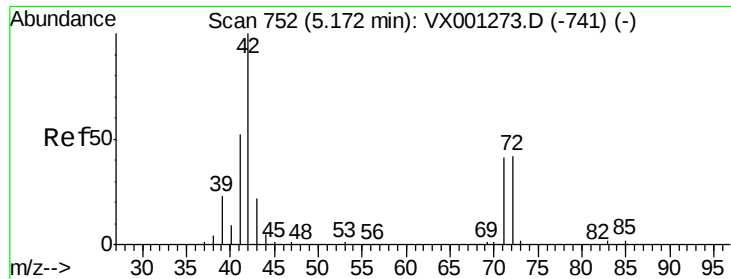
84 100

49 126.4 102.8 154.2

51 39.1 30.9 46.3

86 64.2 53.0 79.4





#29

Tetrahydrofuran

Concen: 0.79 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.04 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Instrument :

MSVOA_X

ClientSampled :

4215

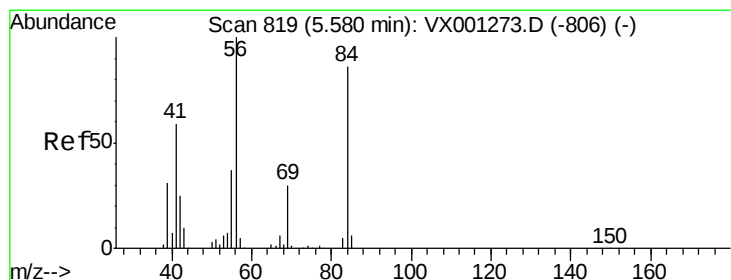
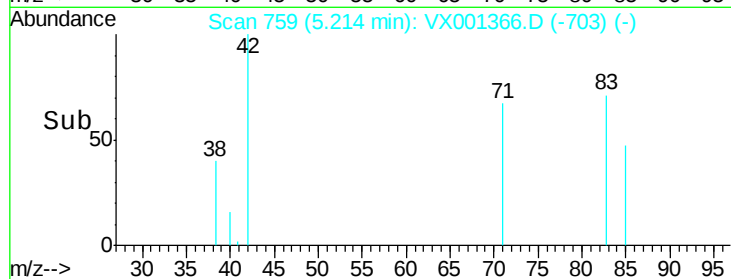
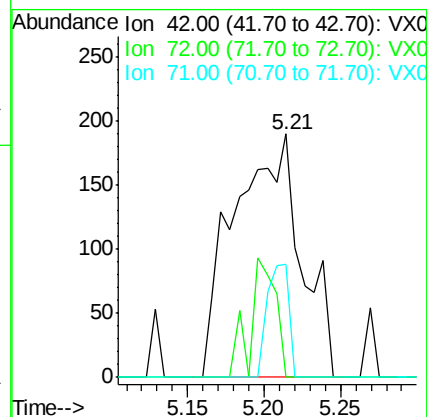
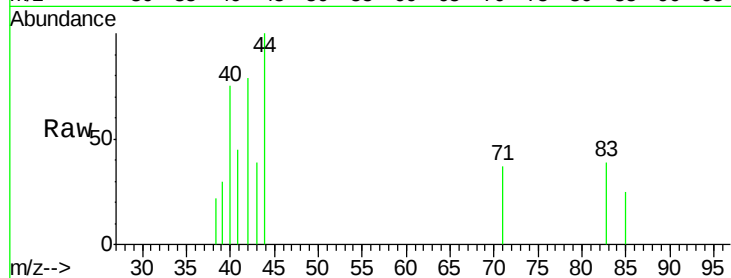
Tgt Ion: 42 Resp: 581

Ion Ratio Lower Upper

42 100

72 18.2 34.6 52.0#

71 15.1 32.7 49.1#



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

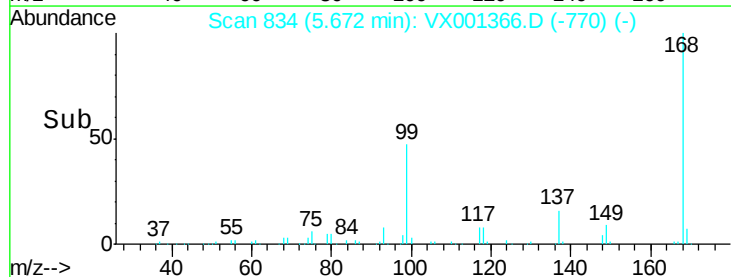
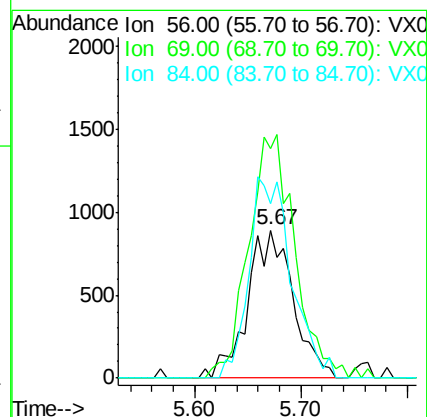
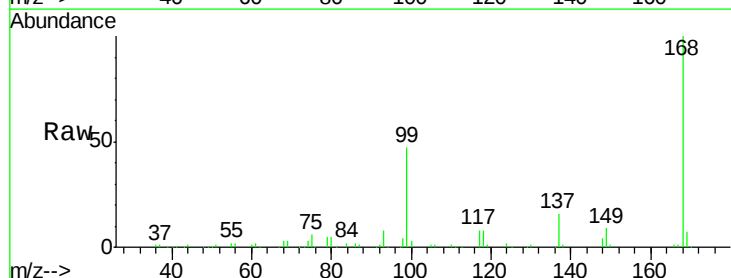
Tgt Ion: 56 Resp: 2669

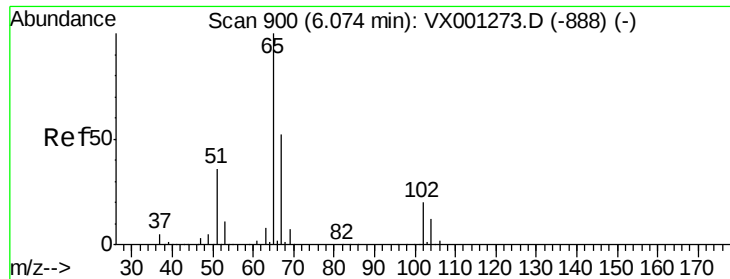
Ion Ratio Lower Upper

56 100

69 155.2 24.0 36.0#

84 117.8 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 39.09 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

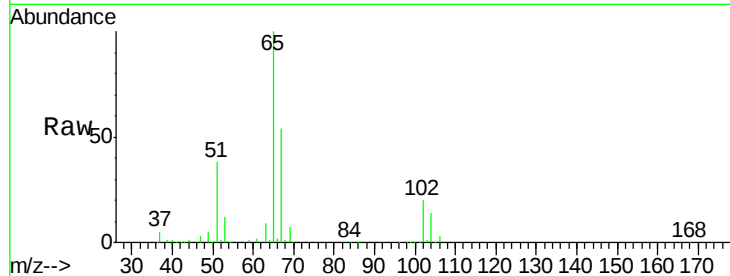
4215

Tgt Ion: 65 Resp: 80744

Ion Ratio Lower Upper

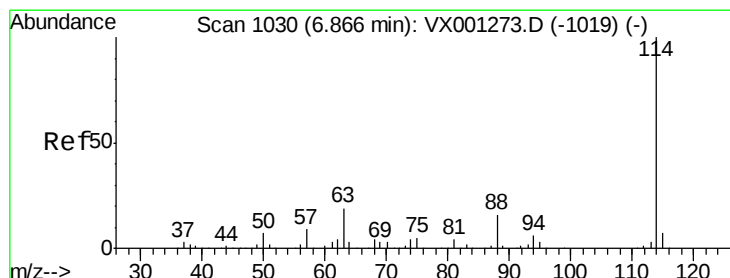
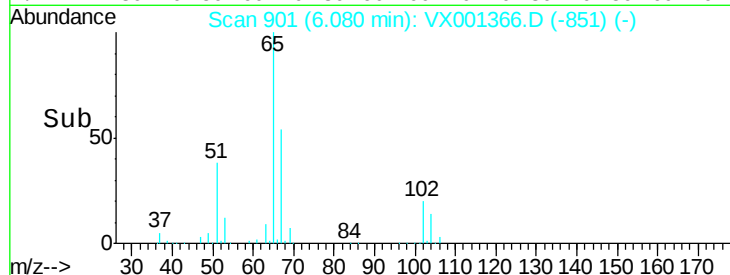
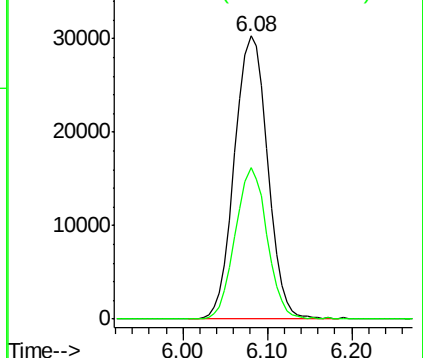
65 100

67 51.4 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

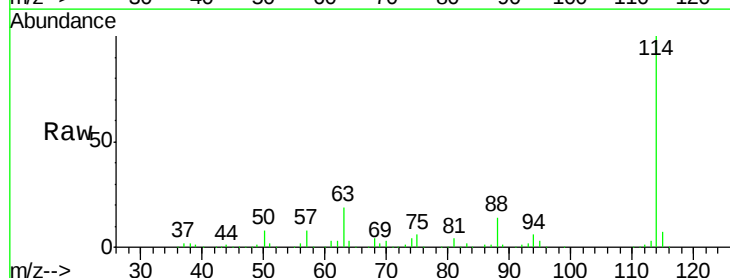
Tgt Ion: 114 Resp: 211631

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

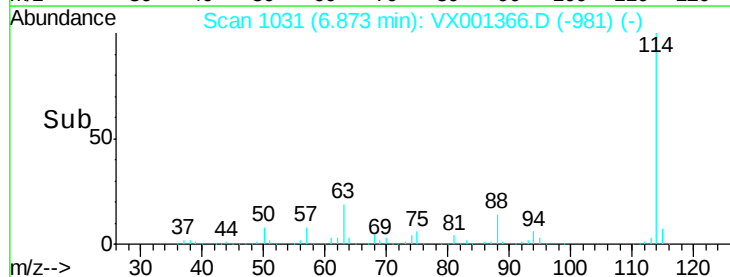
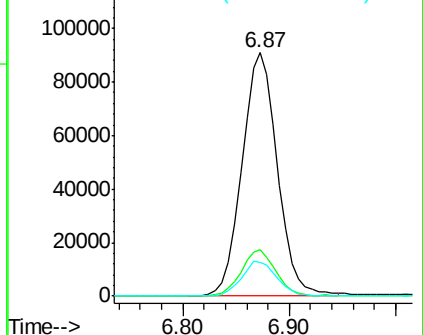
88 14.0 0.0 32.2

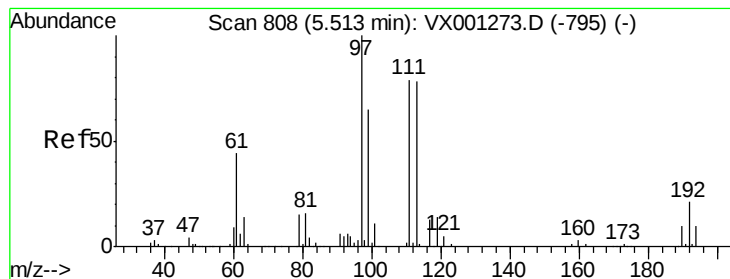


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 37.04 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

4215

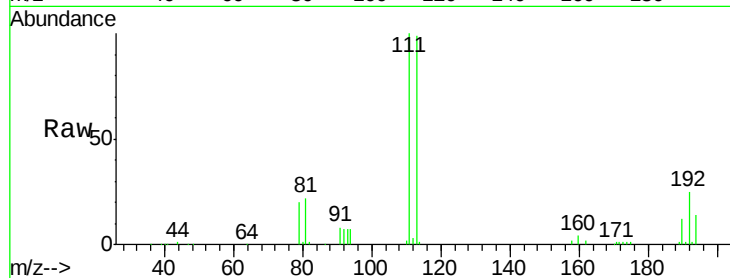
Tgt Ion:113 Resp: 67541

Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

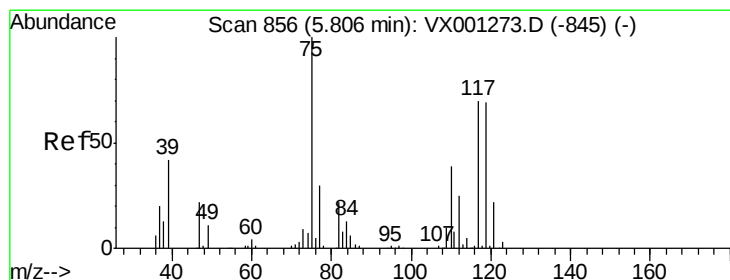
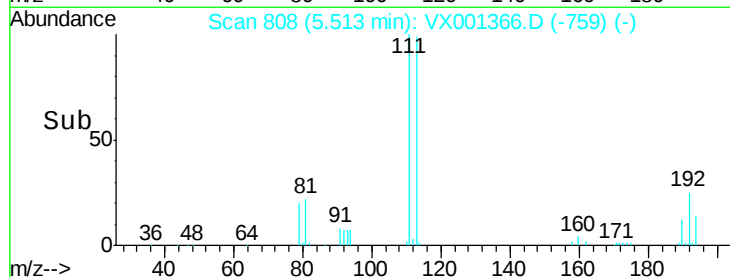
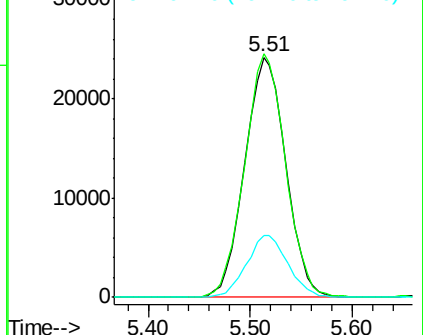
192 25.9 20.7 31.1



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: 3.83 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

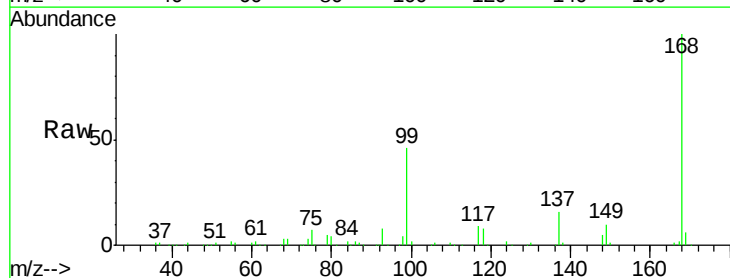
Tgt Ion: 75 Resp: 9350

Ion Ratio Lower Upper

75 100

110 9.6 18.9 56.9#

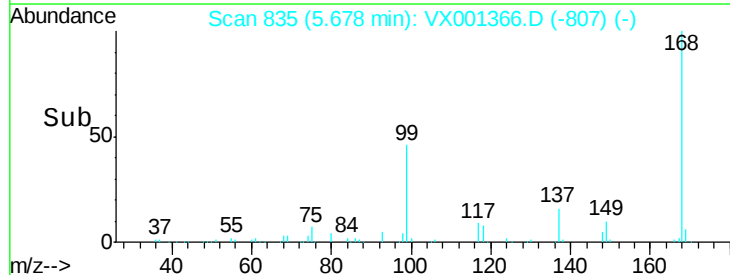
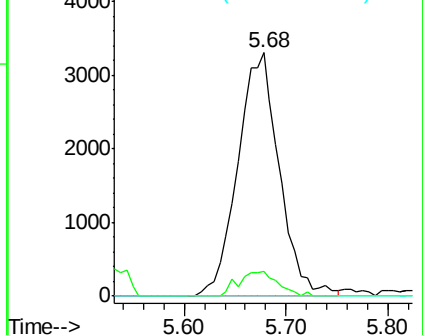
77 0.0 24.2 36.2#

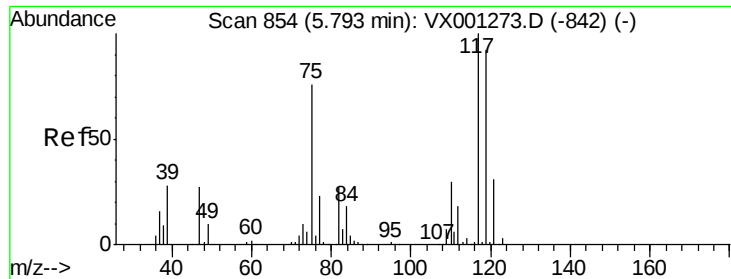


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.01 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

4215

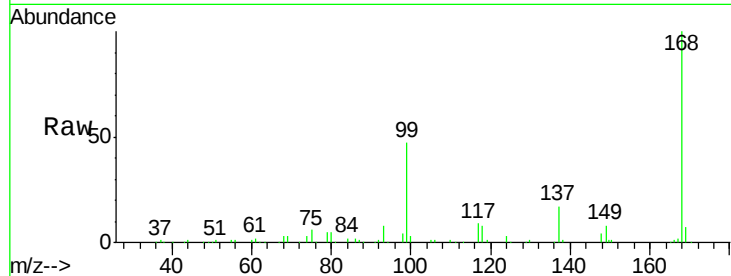
Tgt Ion:117 Resp: 12823

Ion Ratio Lower Upper

117 100

119 6.4 73.4 110.2#

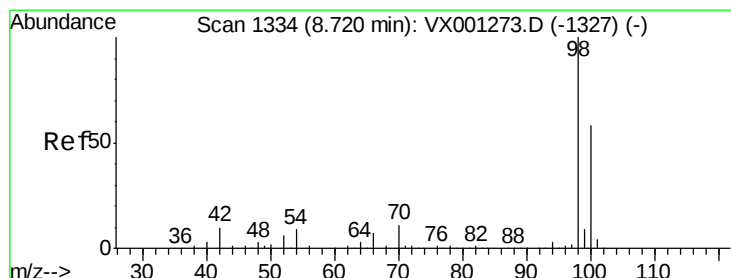
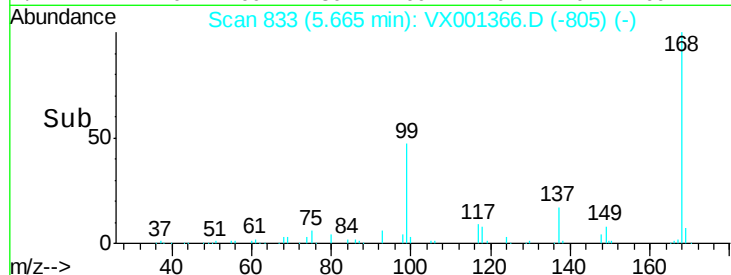
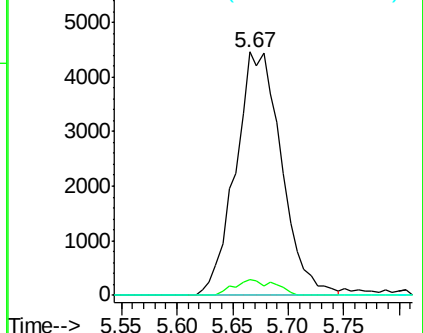
121 0.0 25.0 37.4#



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: 38.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001366.D

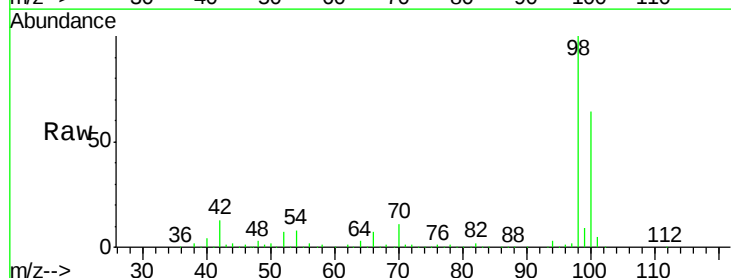
Acq: 03 May 2018 18:23

Tgt Ion: 98 Resp: 249089

Ion Ratio Lower Upper

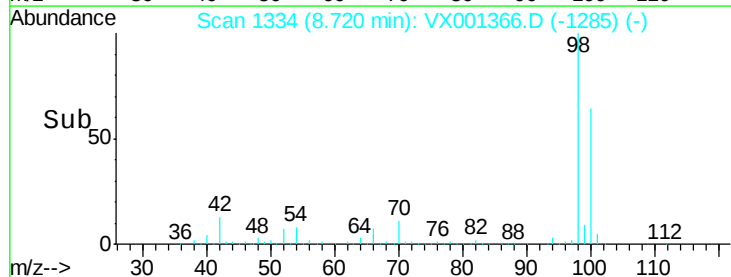
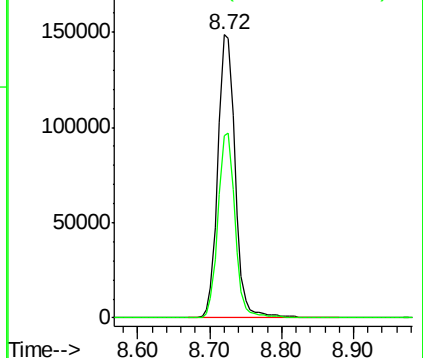
98 100

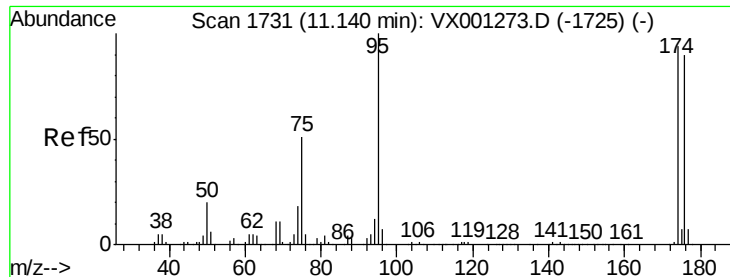
100 64.4 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

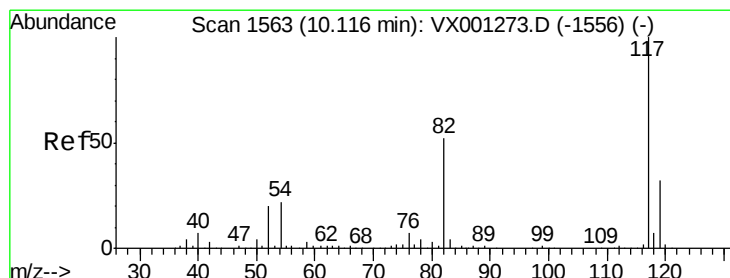
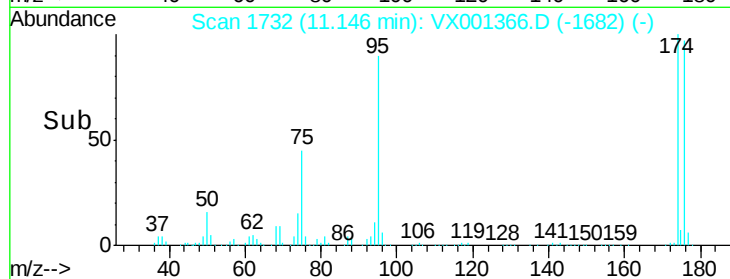
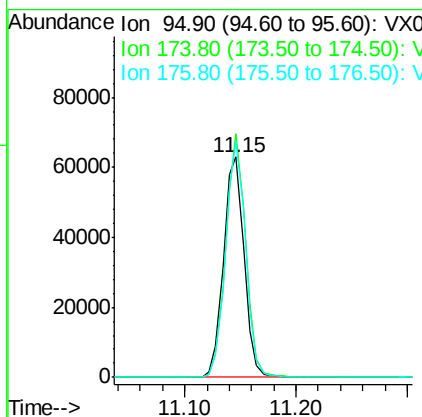
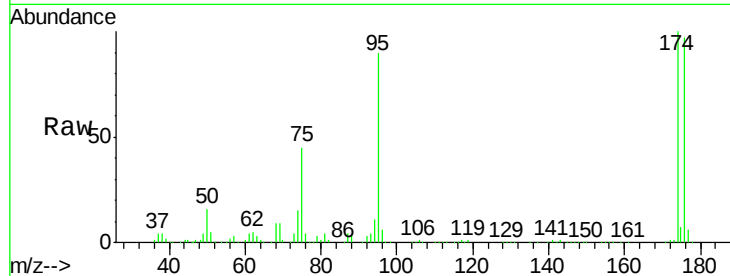




#62
4-Bromofluorobenzene
Concen: 30.94 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001366.D
Acq: 03 May 2018 18:23

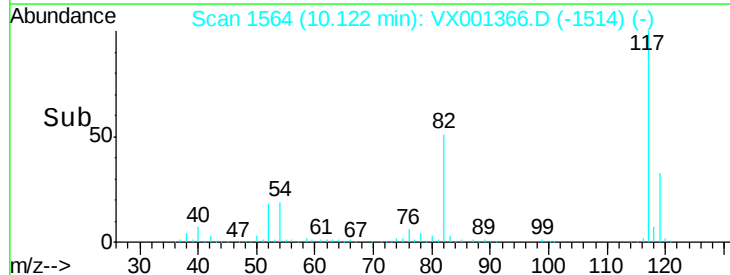
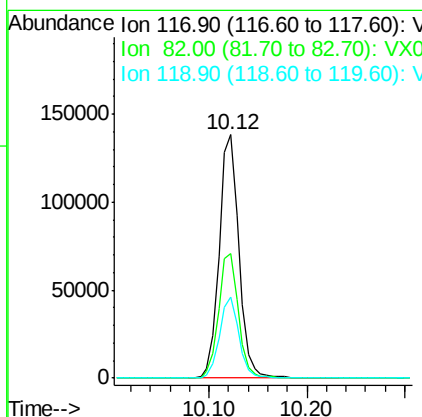
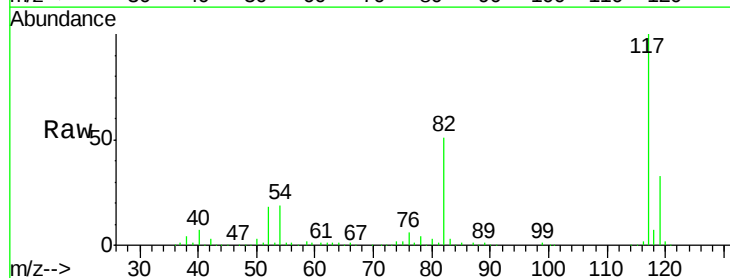
Instrument :
MSVOA_X
ClientSampled :
4215

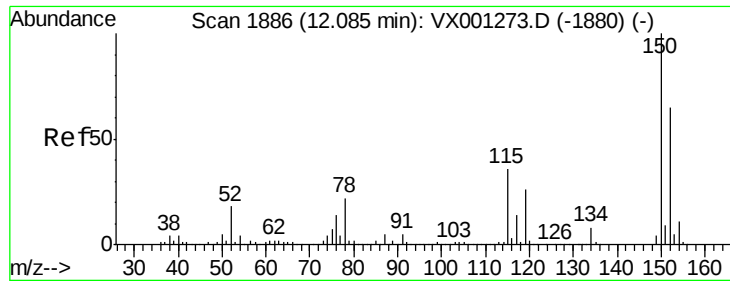
Tgt Ion: 95 Resp: 80595
Ion Ratio Lower Upper
95 100
174 106.5 0.0 201.8
176 103.8 0.0 197.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001366.D
Acq: 03 May 2018 18:23

Tgt Ion: 117 Resp: 193254
Ion Ratio Lower Upper
117 100
82 51.1 41.4 62.0
119 33.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

4215

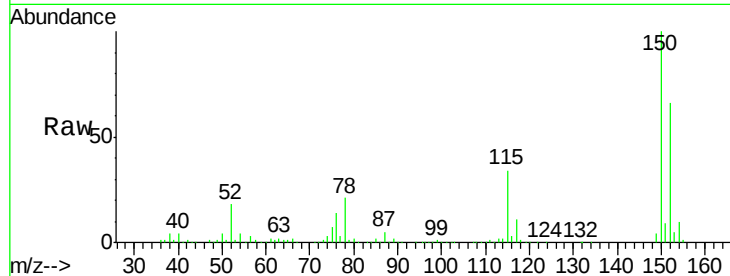
Tgt Ion:152 Resp: 95396

Ion Ratio Lower Upper

152 100

115 52.7 38.6 115.7

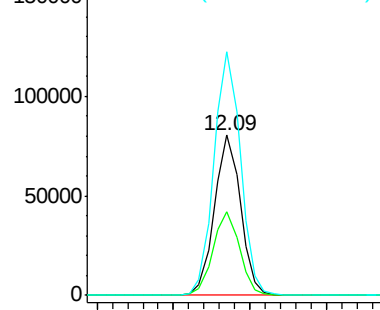
150 154.7 0.0 349.2



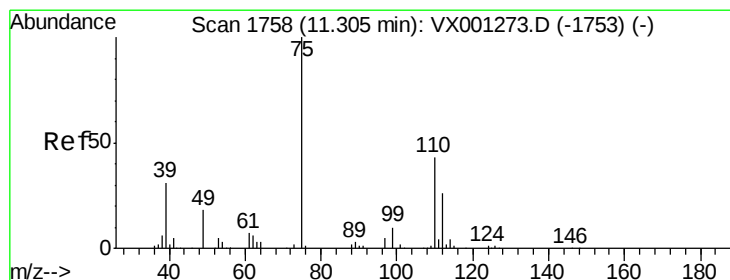
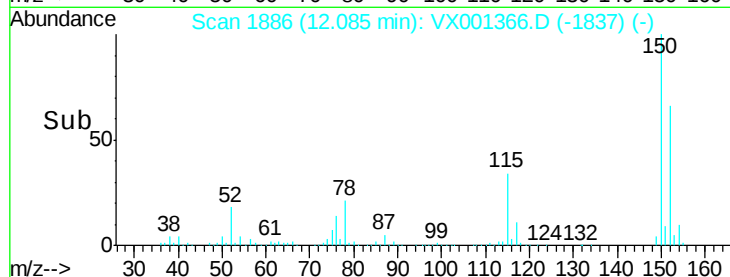
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.74 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001366.D

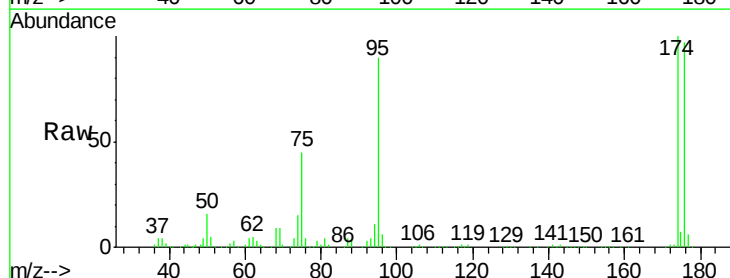
Acq: 03 May 2018 18:23

Tgt Ion: 75 Resp: 41880

Ion Ratio Lower Upper

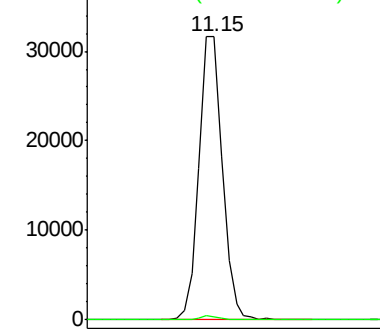
75 100

77 1.3 18.9 56.5#

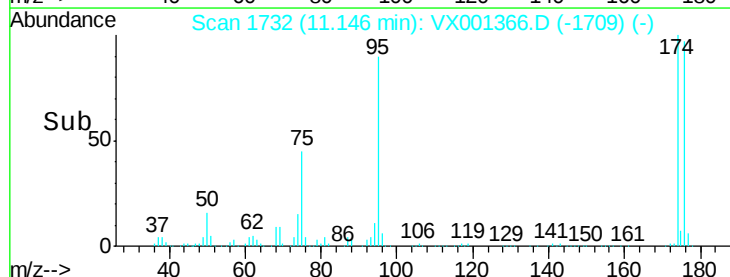


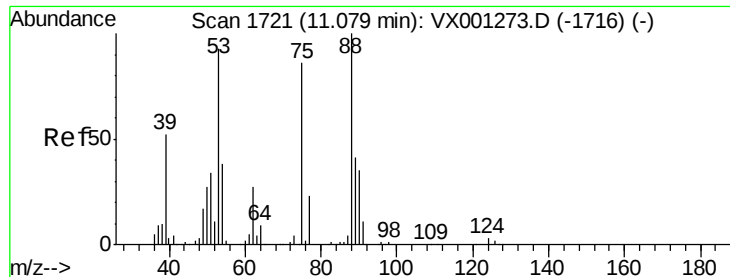
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 74.90 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001366.D

Acq: 03 May 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

4215

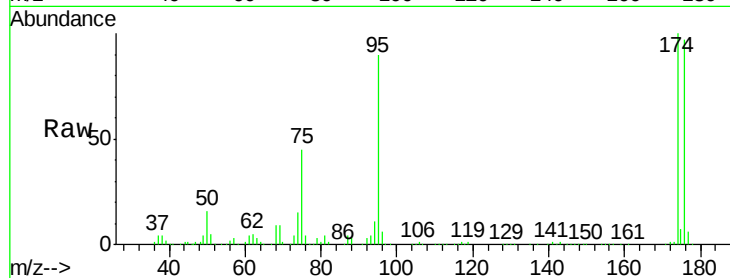
Tgt Ion: 75 Resp: 41880

Ion Ratio Lower Upper

75 100

53 0.0 87.1 130.7#

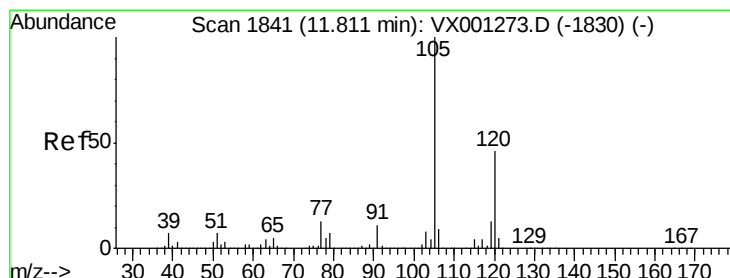
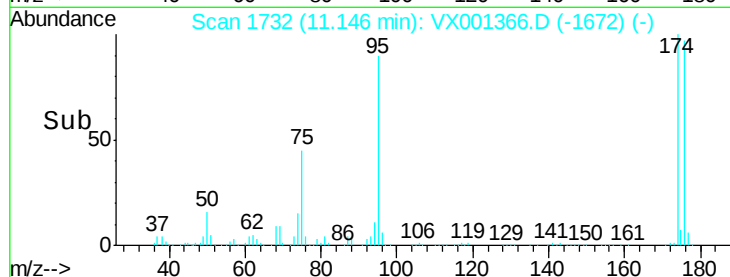
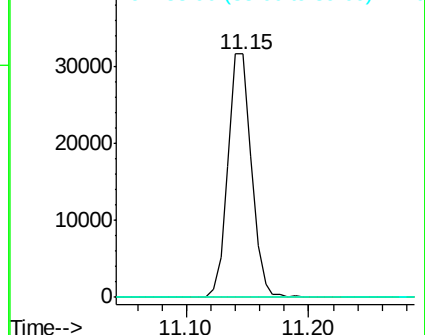
89 0.0 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VX001366.D (-1672) (-)

Ion 53.00 (52.70 to 53.70): VX001366.D (-1672) (-)

Ion 88.90 (88.60 to 89.60): VX001366.D (-1672) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.39 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001366.D

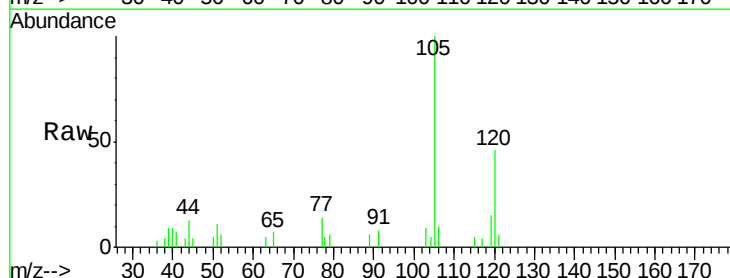
Acq: 03 May 2018 18:23

Tgt Ion: 105 Resp: 2155

Ion Ratio Lower Upper

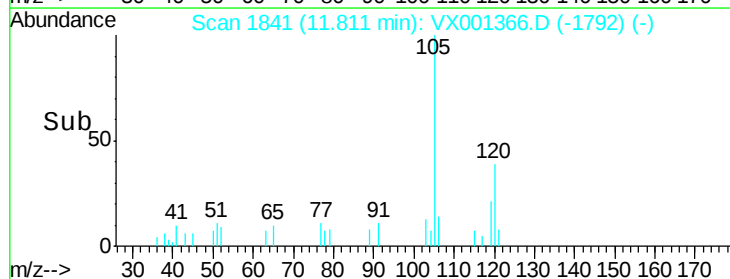
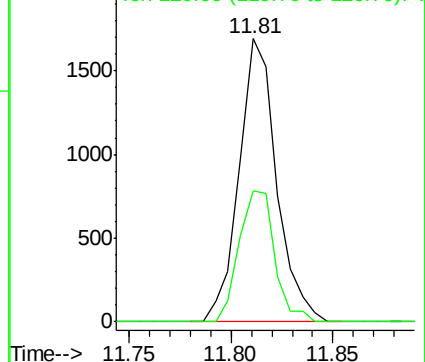
105 100

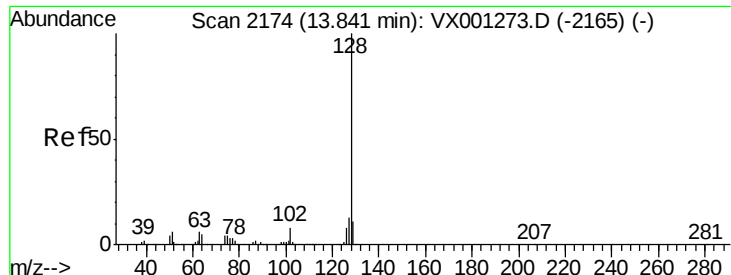
120 44.1 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): VX001366.D (-1792) (-)

Ion 120.00 (119.70 to 120.70): VX001366.D (-1792) (-)

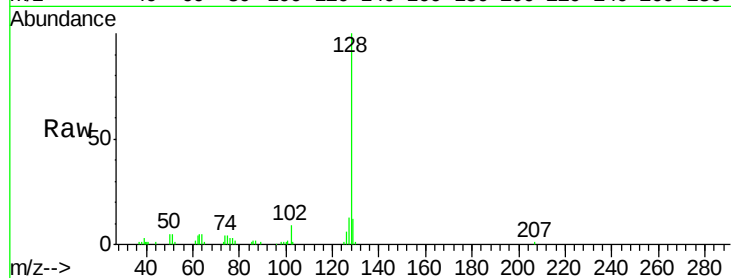




#95
Naphthalene
Concen: 2.99 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001366.D
Acq: 03 May 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
4215

Tgt Ion:128 Resp: 20844
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.9 8.7 13.1



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

