

Data File : VX001370.D

Acq On : 03 May 2018 20:12

Operator : JC/MD

Sample : J2686-02 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GS-1-PAINT-CHIPS

Quant Time: May 04 07:16:38 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	149701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	208588	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	105959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	78829	38.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.08%	
35) Dibromofluoromethane	5.52	113	66483	37.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.00%	
50) Toluene-d8	8.73	98	247320	38.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.04%	
62) 4-Bromofluorobenzene	11.15	95	83874	32.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.34%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	503	Below Cal	#	71
10) Methyl Iodide	2.52	142	1080	4.87	ug/l #	78
11) Tert butyl alcohol	3.09	59	787	2.21	ug/l #	93
15) Acrylonitrile	3.15	53	205	0.25	ug/l #	9
16) Acetone	2.45	43	12802	14.47	ug/l	98
18) Methyl Acetate	2.78	43	4328	2.07	ug/l	95
20) Methylene Chloride	2.86	84	1343	Below Cal		90
25) 2-Butanone	4.73	43	12141	10.15	ug/l	100
29) Tetrahydrofuran	5.20	42	683	0.93	ug/l #	56
31) Cyclohexane	5.68	56	2723	1.07	ug/l #	28
36) 1,1-Dichloropropene	5.67	75	9291	3.86	ug/l #	50
37) Ethyl Acetate	4.73	43	12141	4.99	ug/l #	69
38) Carbon Tetrachloride	5.67	117	12765	5.06	ug/l #	20
44) Trichloroethene	7.22	130	513	0.24	ug/l	76
51) 4-Methyl-2-Pentanone	8.65	43	527	0.21	ug/l	98
59) 2-Hexanone	9.51	43	399	0.20	ug/l	75
68) m/p-Xylenes	10.37	106	1158	0.34	ug/l	95
69) o-Xylene	10.71	106	689	0.21	ug/l	98
76) 1,2,3-Trichloropropane	11.15	75	42920	21.91	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.15	75	42920	69.44	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.81	105	1768	0.29	ug/l	75
85) sec-Butylbenzene	12.03	105	1990	0.28	ug/l	84
90) Hexachloroethane	12.58	117	615	0.65	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.27	75	12937	30.14	ug/l #	1
95) Naphthalene	13.84	128	6772	0.87	ug/l #	92

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 19 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

GS-1-PAINT-CHIPS

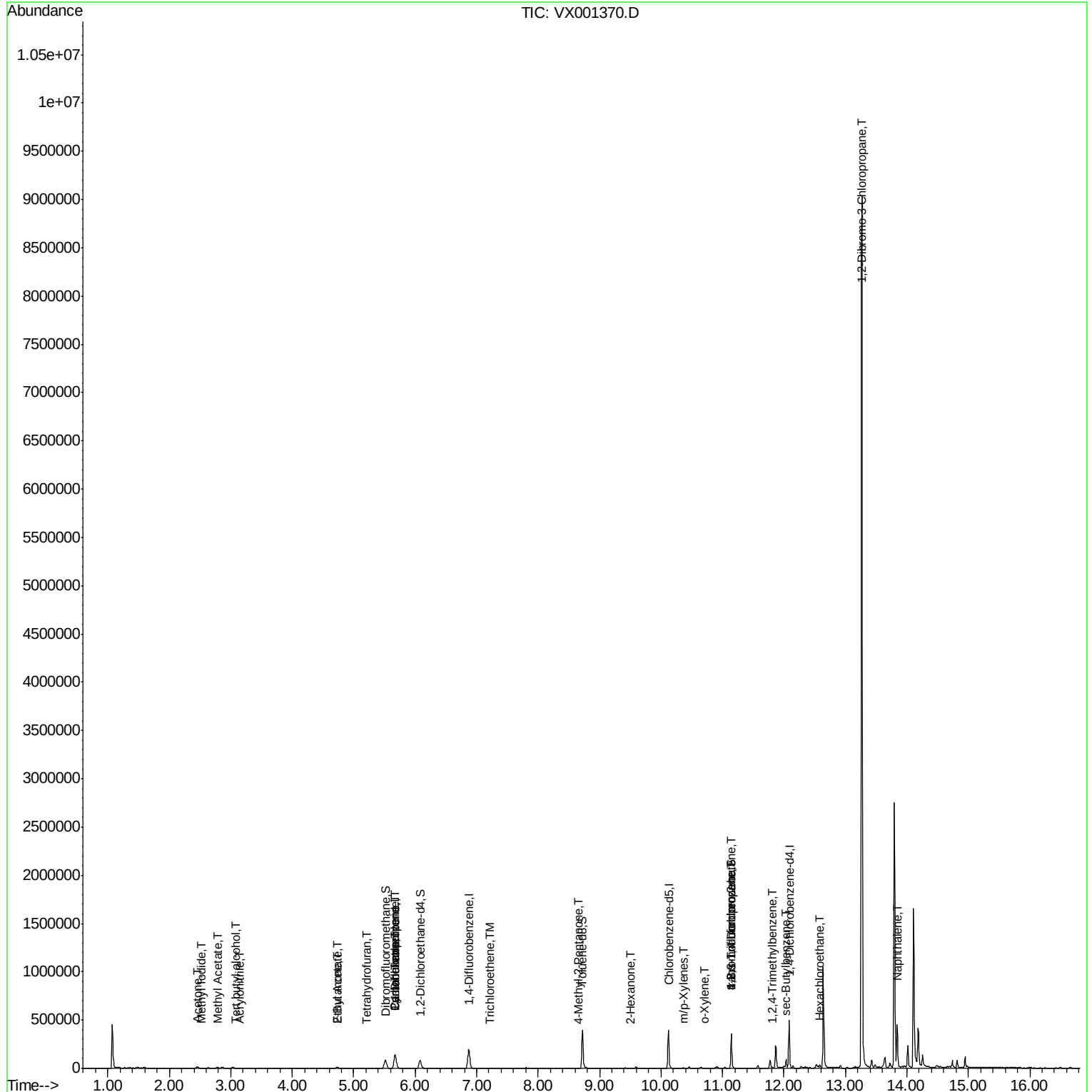
Quant Time: May 04 07:16:38 2018

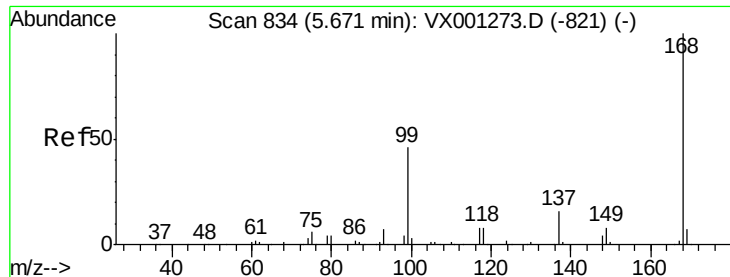
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

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: VX001370.D

Acq: 03 May 2018 20:12

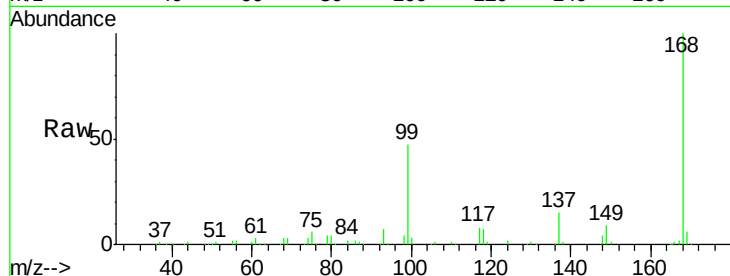
Instrument :
MSVOA_X
ClientSampleId :
GS-1-PAINT-CHIPS

Tgt Ion:168 Resp: 149701

Ion Ratio Lower Upper

168 100

99 46.9 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

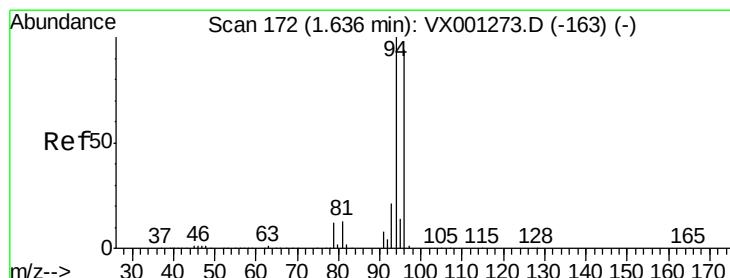
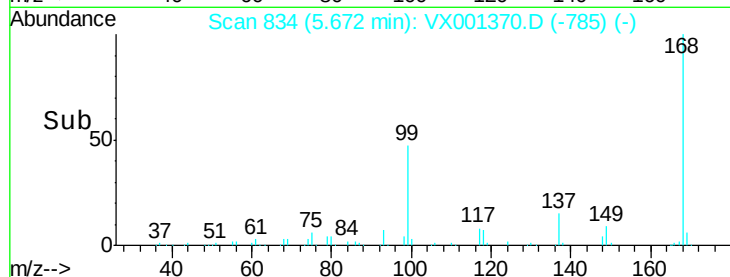
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001370.D

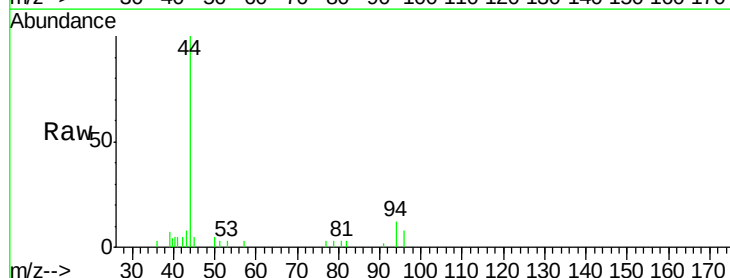
Acq: 03 May 2018 20:12

Tgt Ion: 94 Resp: 503

Ion Ratio Lower Upper

94 100

96 66.9 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

300

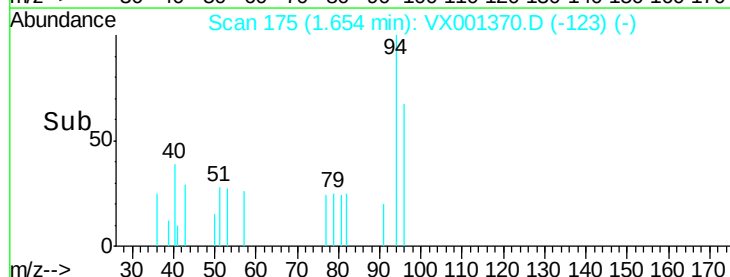
200

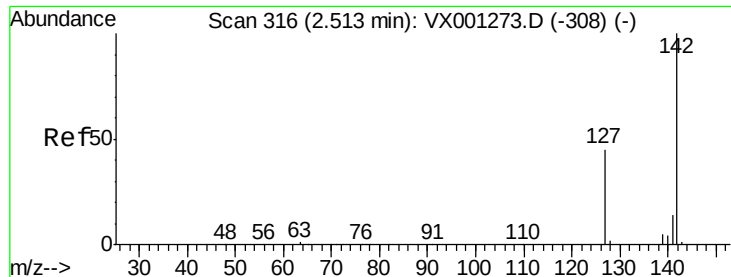
100

0

Time-->

1.60 1.65

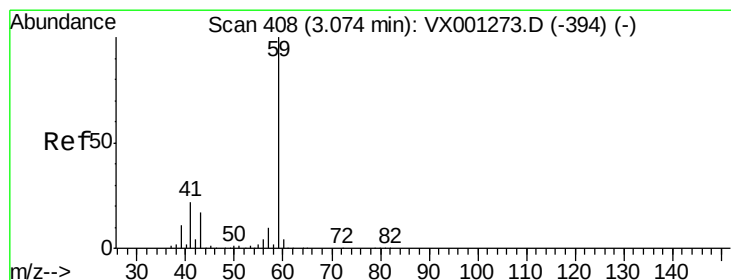
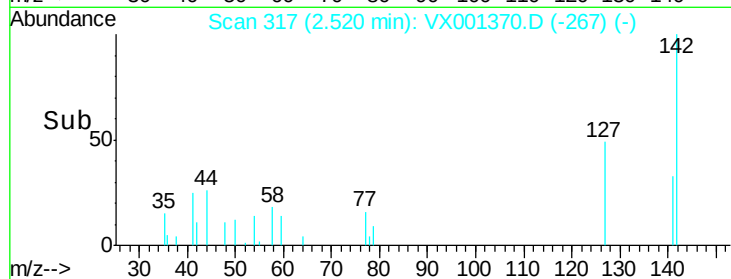
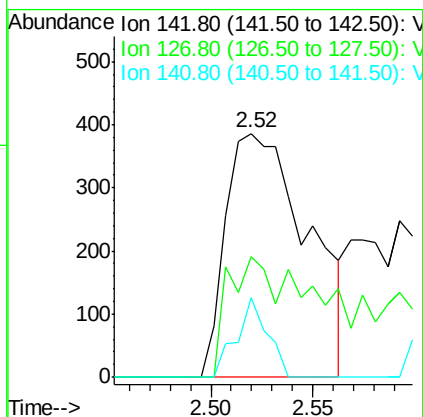
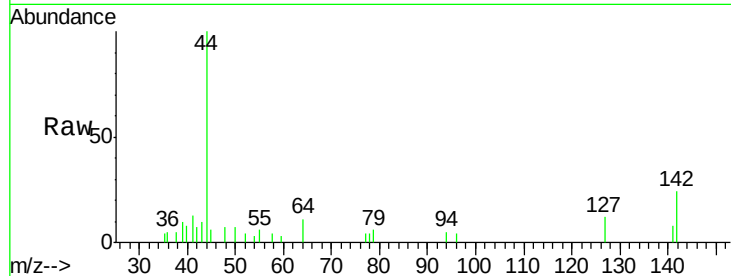




#10
Methyl Iodide
Concen: 4.87 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

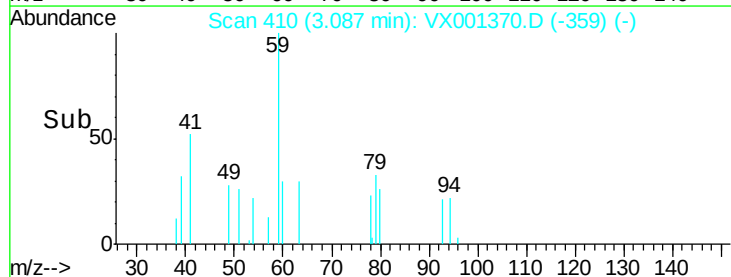
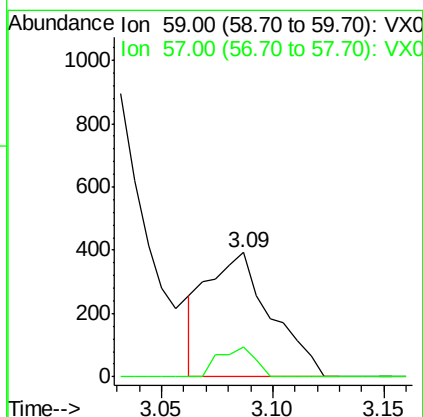
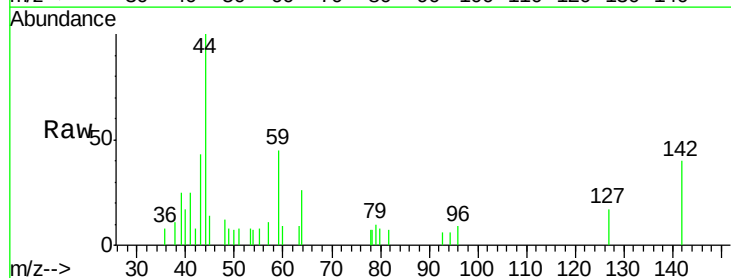
Instrument :
MSVOA_X
ClientSampleId :
GS-1-PAINT-CHIPS

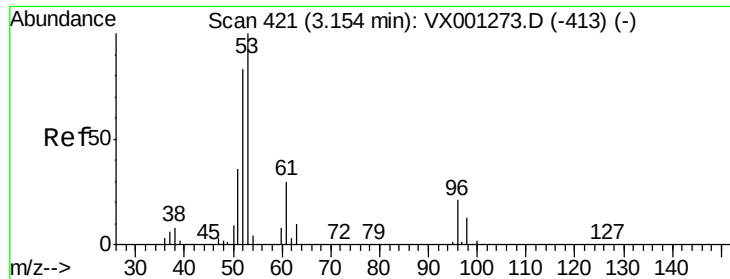
Tgt Ion: 142 Resp: 1080
Ion Ratio Lower Upper
142 100
127 26.6 35.7 53.5#
141 12.3 11.4 17.0



#11
Tert butyl alcohol
Concen: 2.21 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

Tgt Ion: 59 Resp: 787
Ion Ratio Lower Upper
59 100
57 13.5 8.6 12.8#





#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

GS-1-PAINT-CHIPS

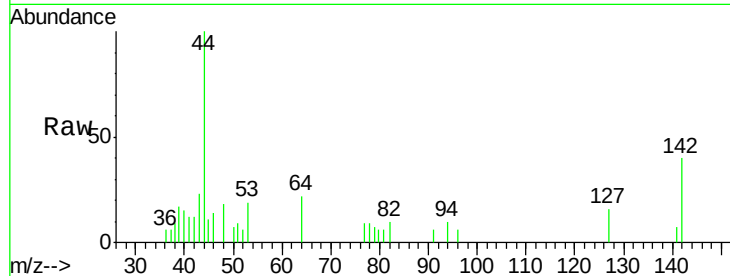
Tgt Ion: 53 Resp: 205

Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

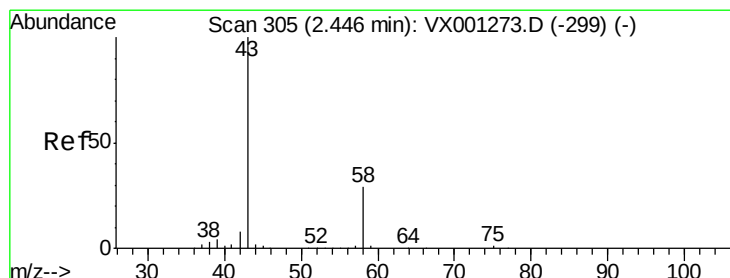
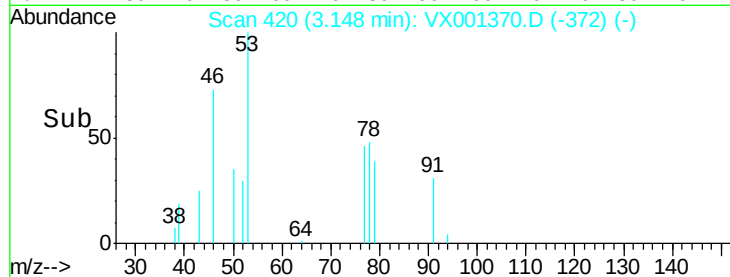
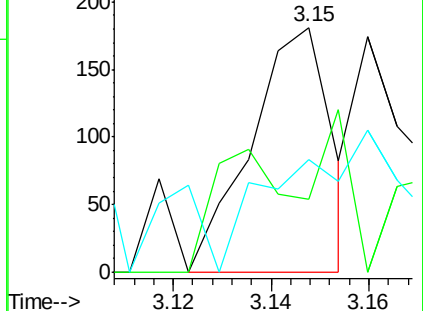
51 89.3 29.9 44.9#



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: 14.47 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001370.D

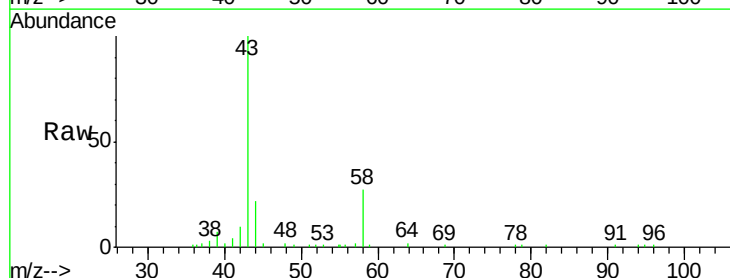
Acq: 03 May 2018 20:12

Tgt Ion: 43 Resp: 12802

Ion Ratio Lower Upper

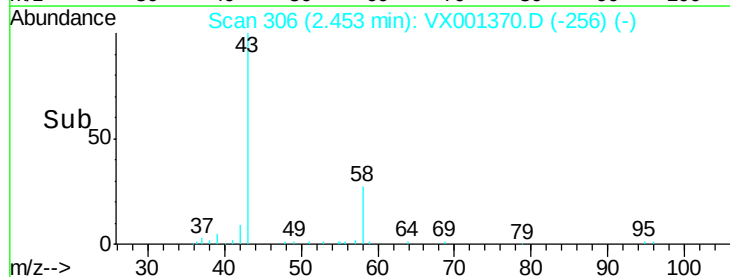
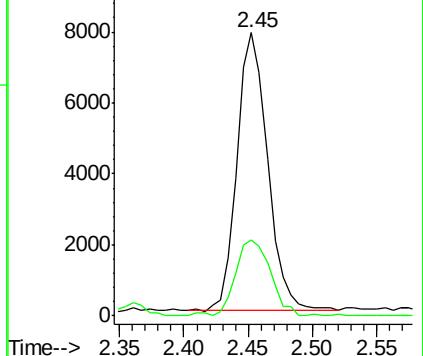
43 100

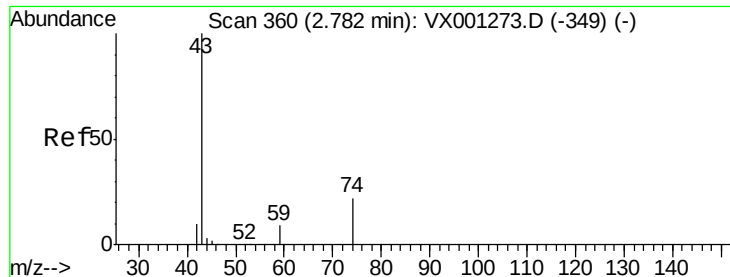
58 27.4 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

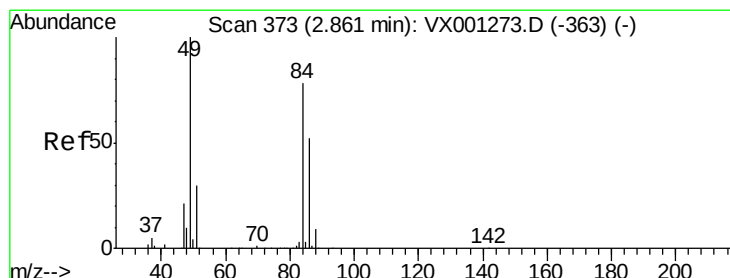
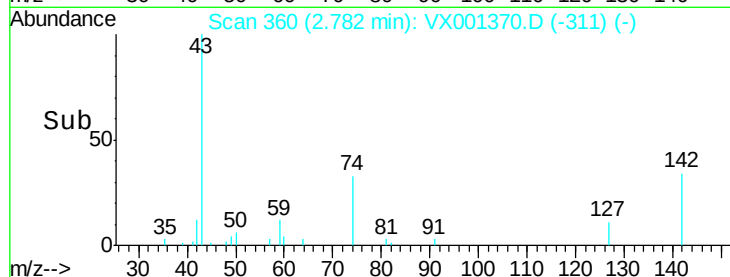
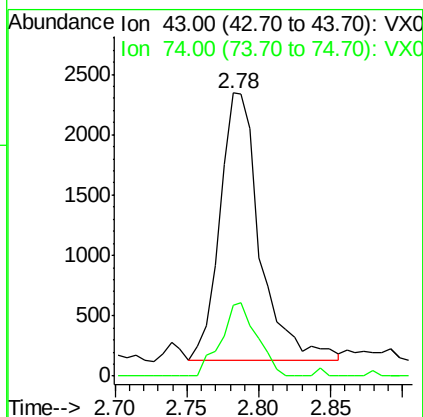
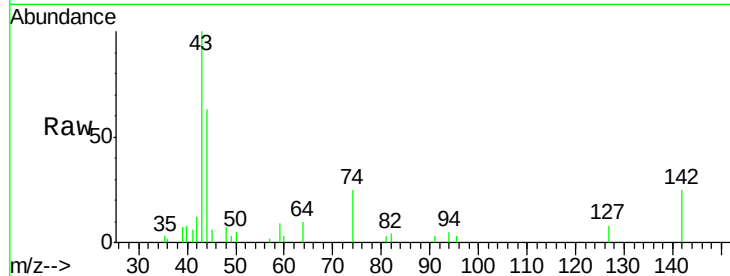




#18
Methyl Acetate
Concen: 2.07 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

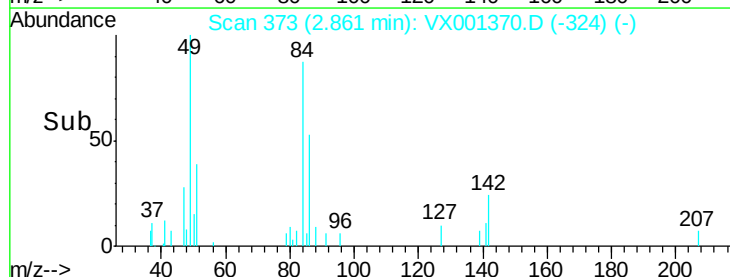
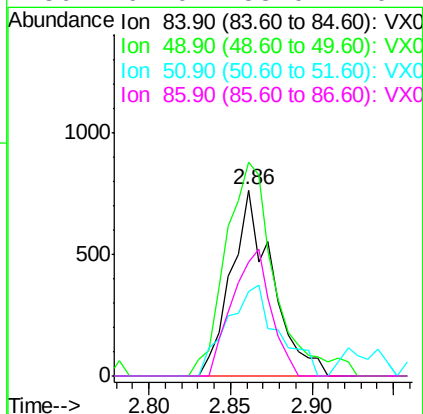
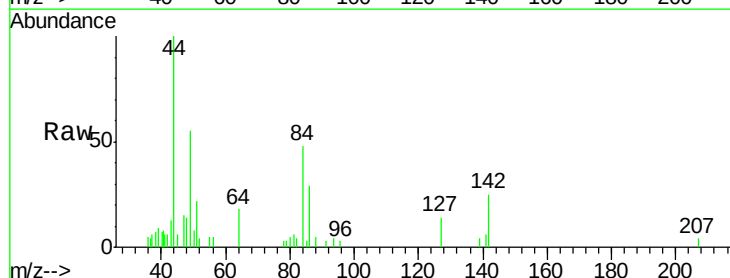
Instrument :
MSVOA_X
ClientSampleId :
GS-1-PAINT-CHIPS

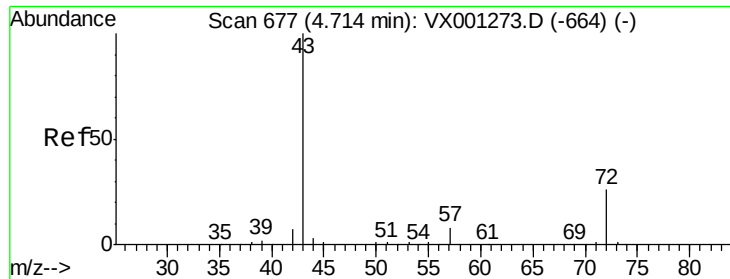
Tgt Ion: 43 Resp: 4328
Ion Ratio Lower Upper
43 100
74 24.4 17.8 26.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

Tgt Ion: 84 Resp: 1343
Ion Ratio Lower Upper
84 100
49 114.8 102.8 154.2
51 45.3 30.9 46.3
86 61.0 53.0 79.4





#25

2-Butanone

Concen: 10.15 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

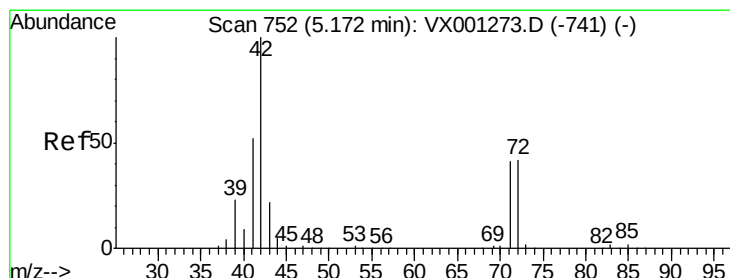
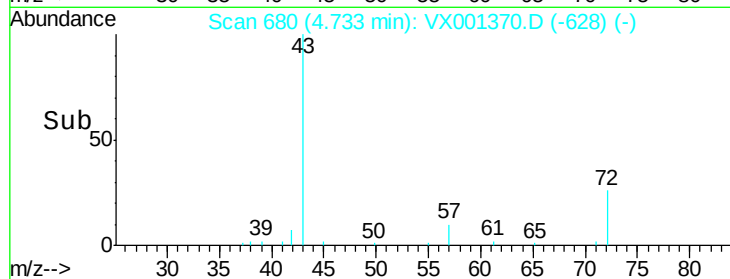
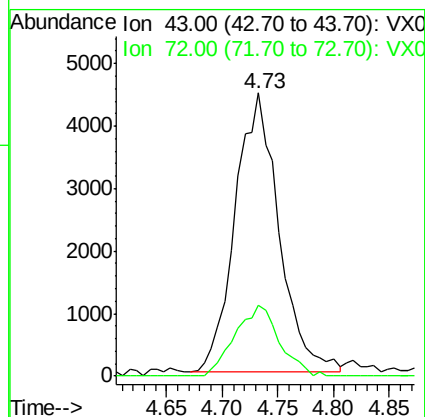
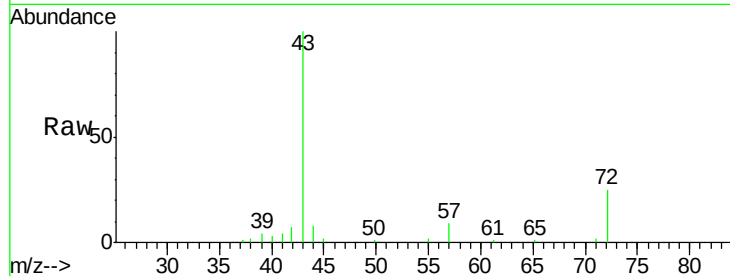
GS-1-PAINT-CHIPS

Tgt Ion: 43 Resp: 12141

Ion Ratio Lower Upper

43 100

72 25.7 20.5 30.7



#29

Tetrahydrofuran

Concen: 0.93 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

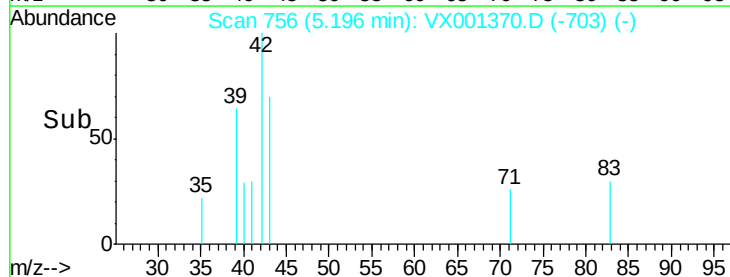
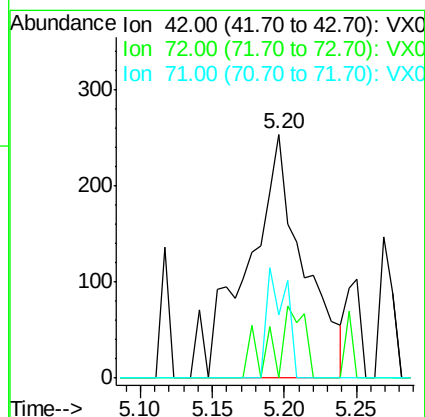
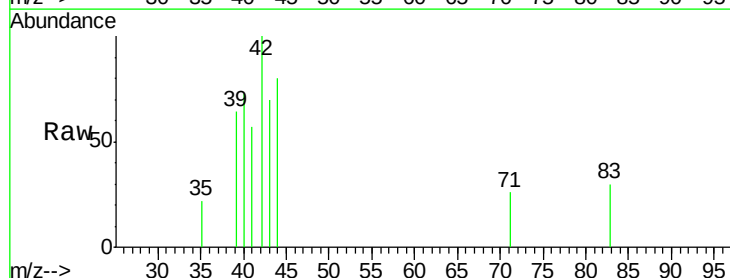
Tgt Ion: 42 Resp: 683

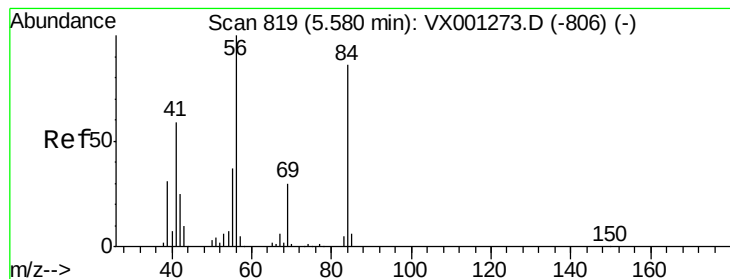
Ion Ratio Lower Upper

42 100

72 13.3 34.6 52.0#

71 14.9 32.7 49.1#





#31

Cyclohexane

Concen: 1.07 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

GS-1-PAINT-CHIPS

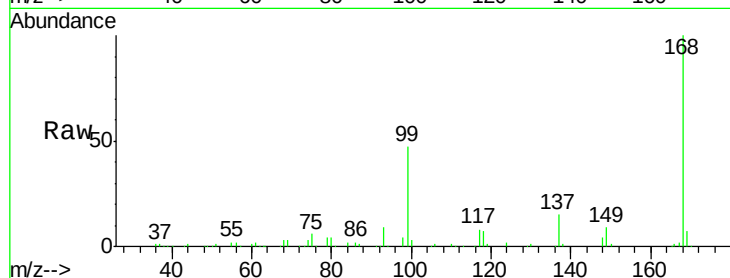
Tgt Ion: 56 Resp: 2723

Ion Ratio Lower Upper

56 100

69 153.2 24.0 36.0#

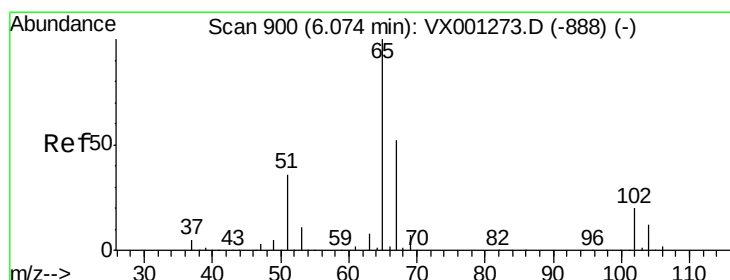
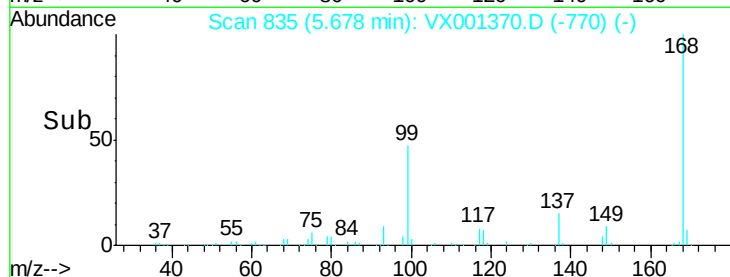
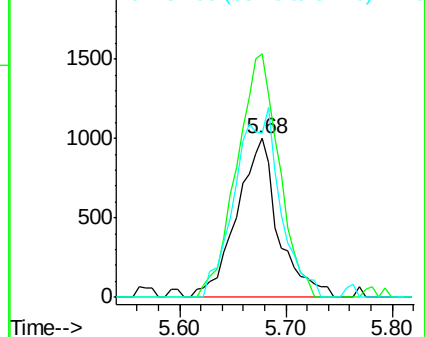
84 103.0 69.0 103.4



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: 38.04 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001370.D

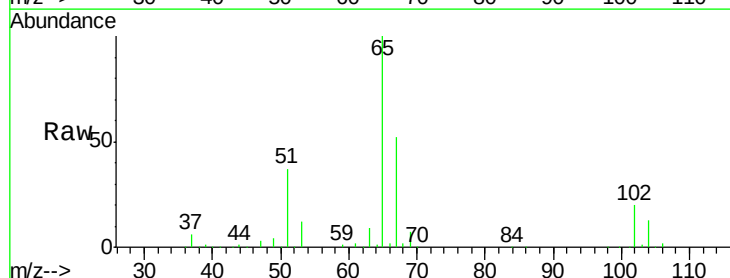
Acq: 03 May 2018 20:12

Tgt Ion: 65 Resp: 78829

Ion Ratio Lower Upper

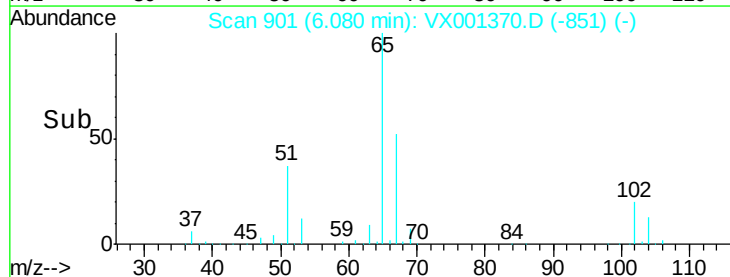
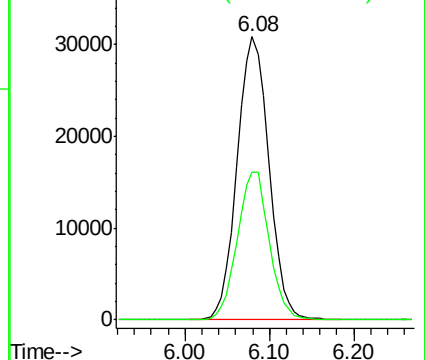
65 100

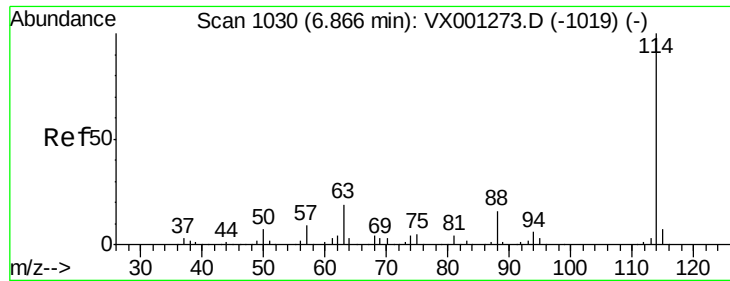
67 52.1 0.0 102.8



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: VX001370.D

Acq: 03 May 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

GS-1-PAINT-CHIPS

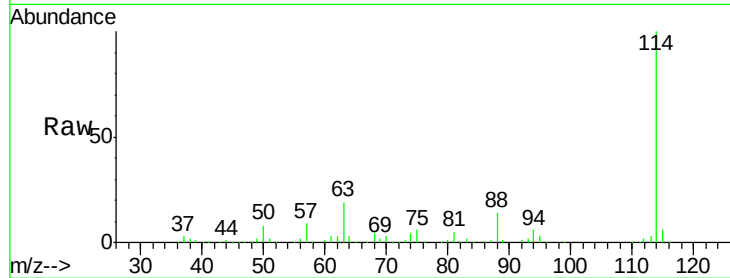
Tgt Ion:114 Resp: 208588

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

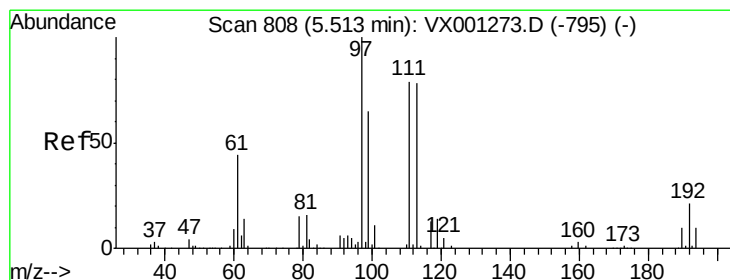
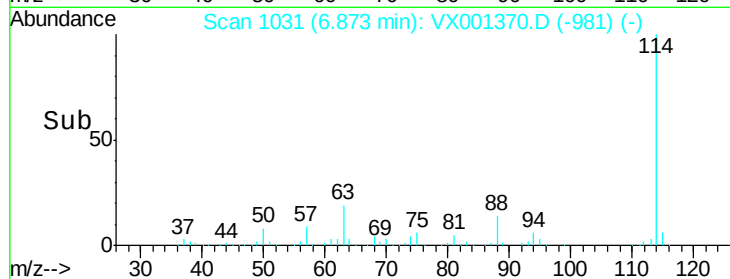
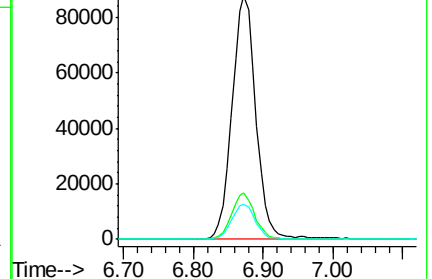
88 14.3 0.0 32.2



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: 37.00 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

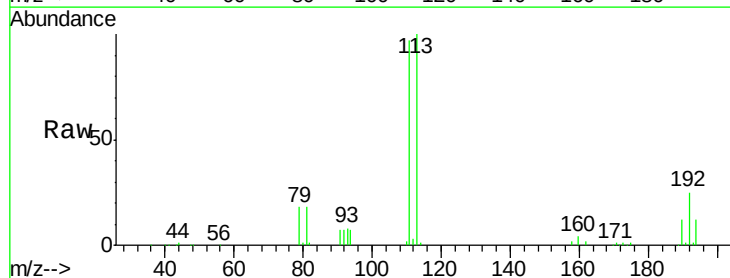
Tgt Ion:113 Resp: 66483

Ion Ratio Lower Upper

113 100

111 101.3 81.2 121.8

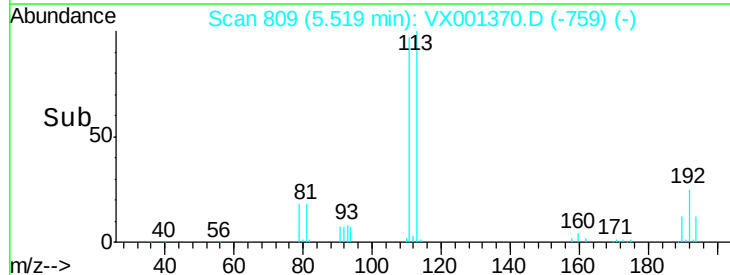
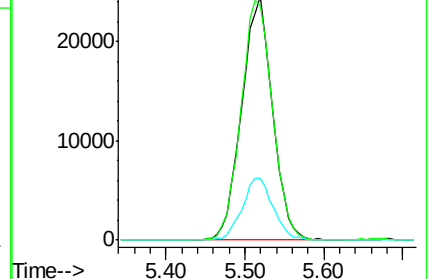
192 25.4 20.7 31.1

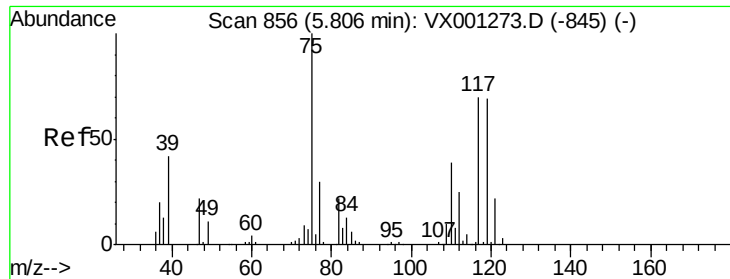


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

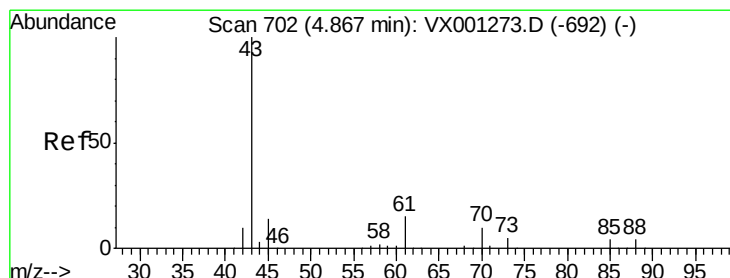
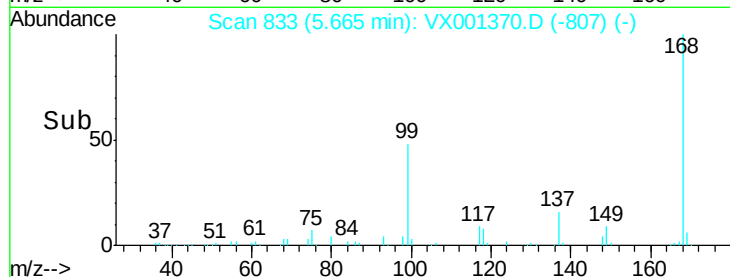
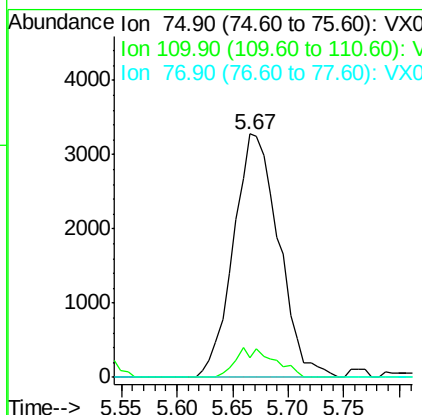
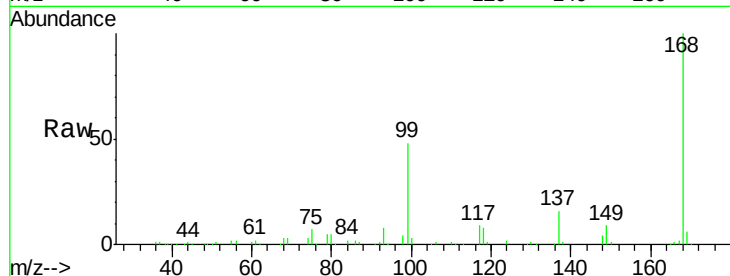




#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001370.D
 Acq: 03 May 2018 20:12

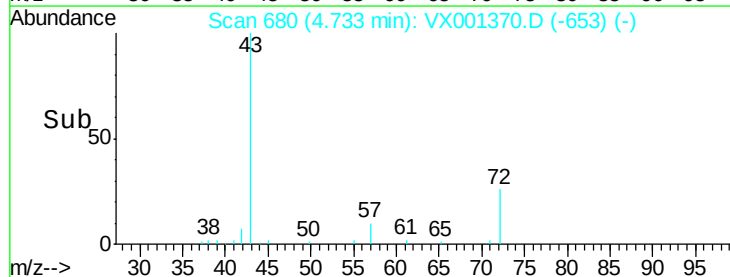
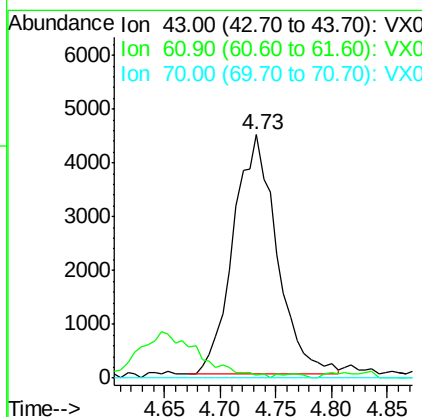
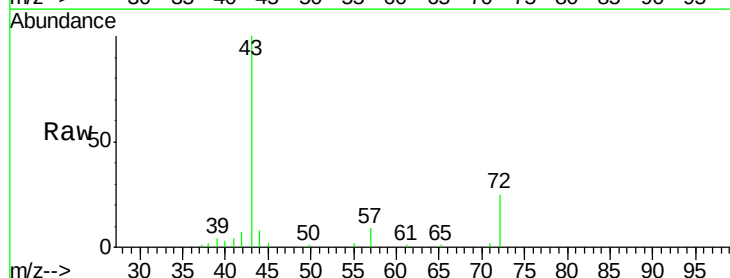
Instrument :
 MSVOA_X
 ClientSampleId :
 GS-1-PAINT-CHIPS

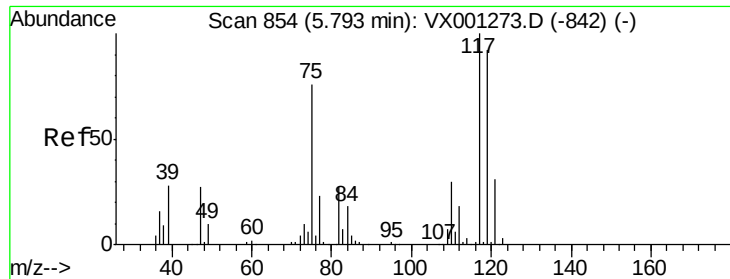
Tgt Ion: 75 Resp: 9291
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.9 56.9#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 4.99 ug/l
 RT: 4.73 min Scan# 680
 Delta R.T. -0.13 min
 Lab File: VX001370.D
 Acq: 03 May 2018 20:12

Tgt Ion: 43 Resp: 12141
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 5.06 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

GS-1-PAINT-CHIPS

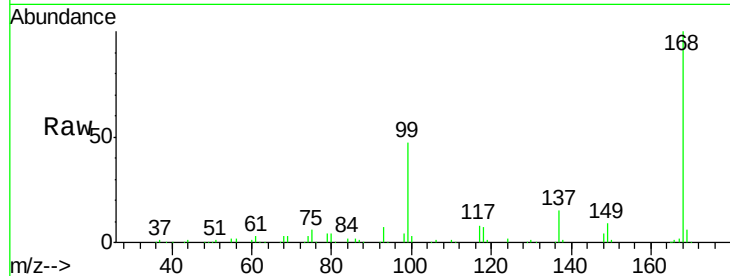
Tgt Ion:117 Resp: 12765

Ion Ratio Lower Upper

117 100

119 8.3 73.4 110.2#

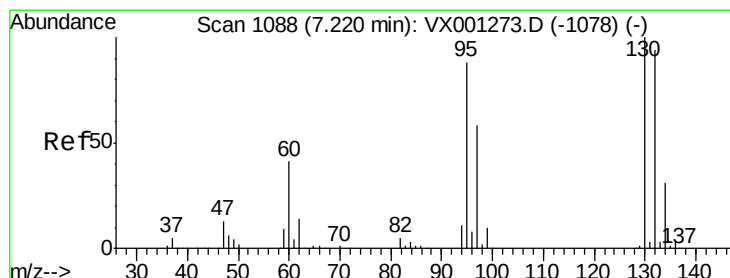
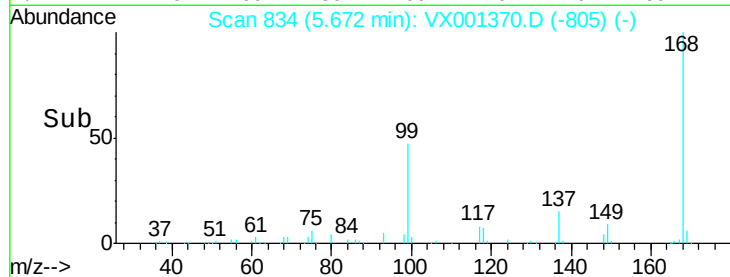
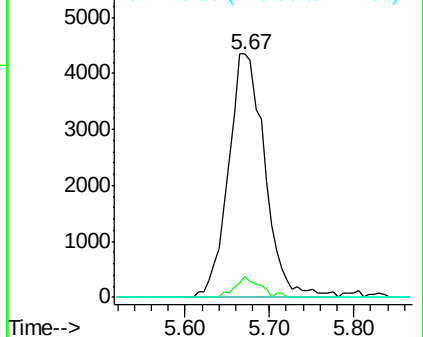
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 0.24 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001370.D

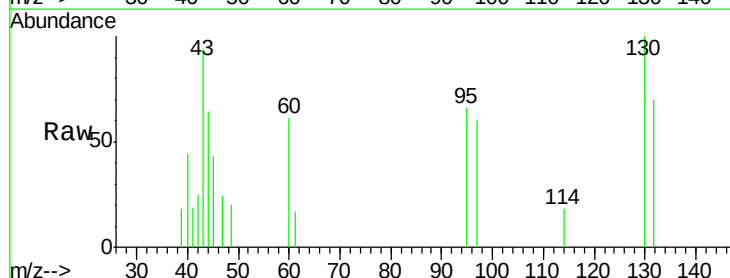
Acq: 03 May 2018 20:12

Tgt Ion:130 Resp: 513

Ion Ratio Lower Upper

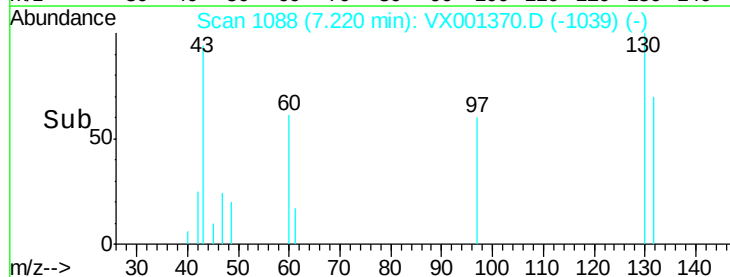
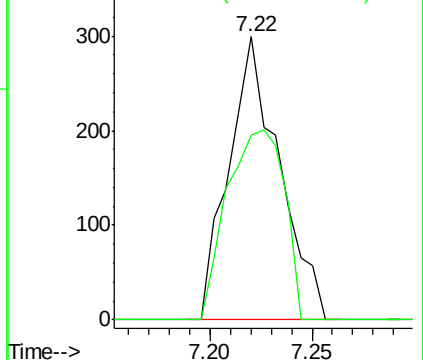
130 100

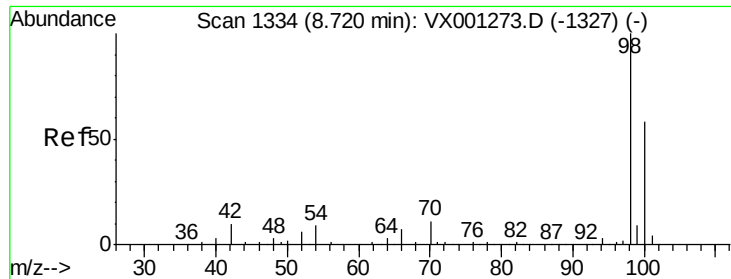
95 65.6 0.0 176.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

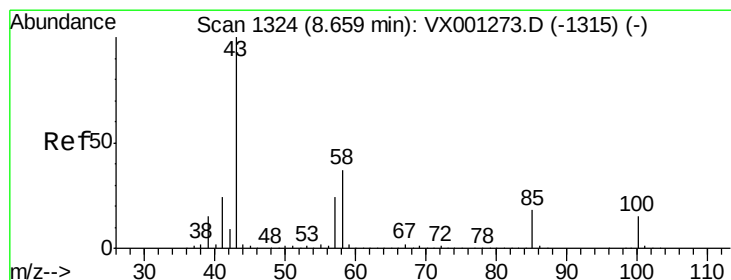
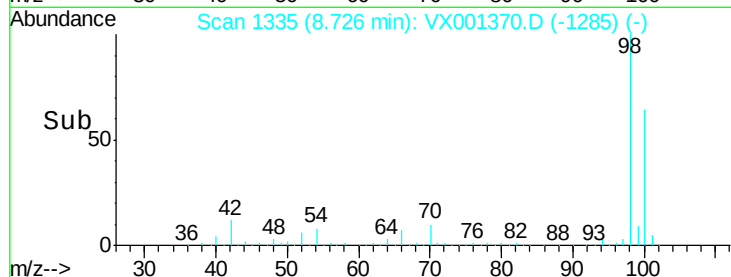
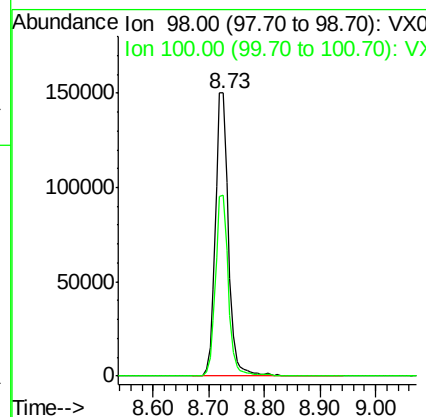
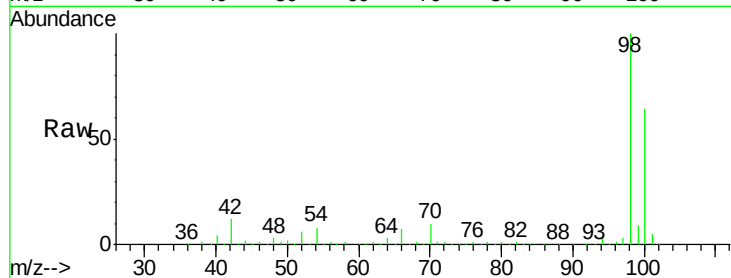




#50
Toluene-d8
Concen: 38.52 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

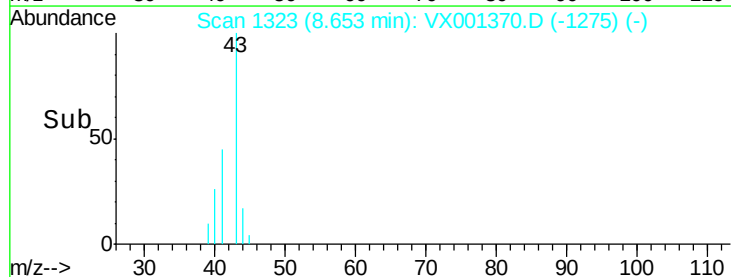
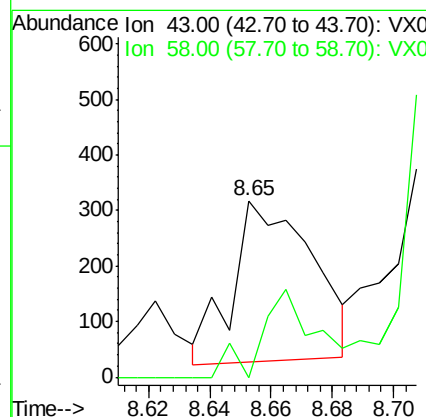
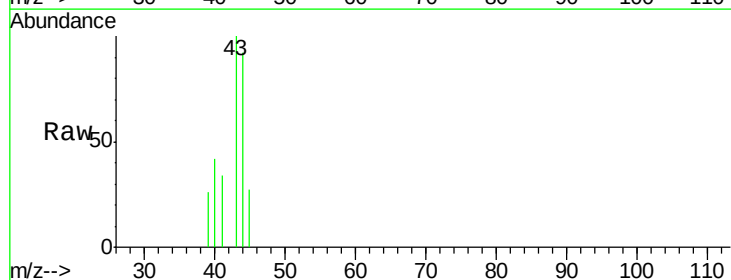
Instrument :
MSVOA_X
ClientSampleId :
GS-1-PAINT-CHIPS

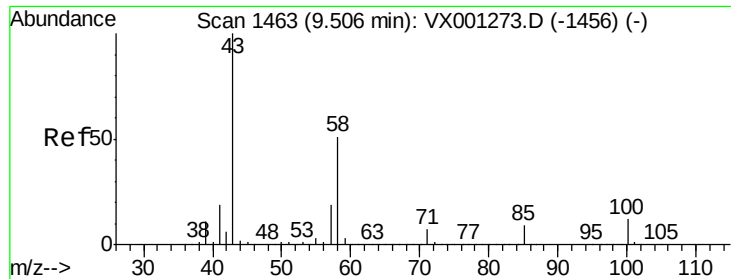
Tgt Ion: 98 Resp: 247320
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.4



#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
58 37.6 29.0 43.6





#59

2-Hexanone

Concen: 0.20 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

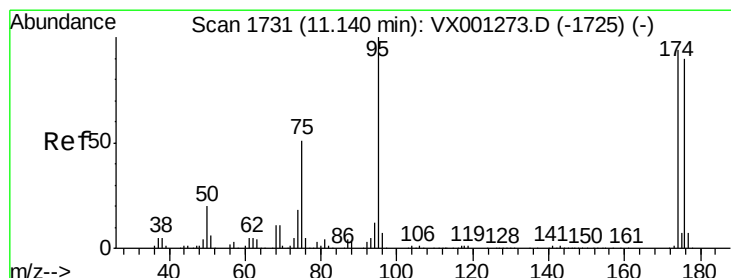
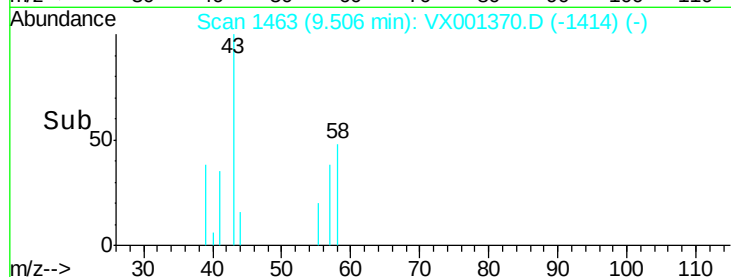
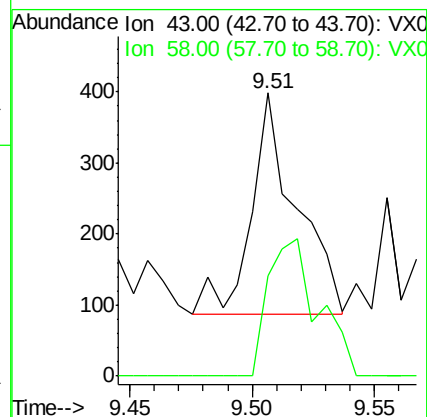
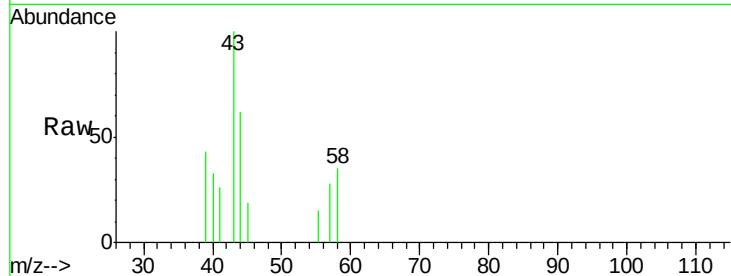
GS-1-PAINT-CHIPS

Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

58 68.7 25.7 77.0



#62

4-Bromofluorobenzene

Concen: 32.67 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

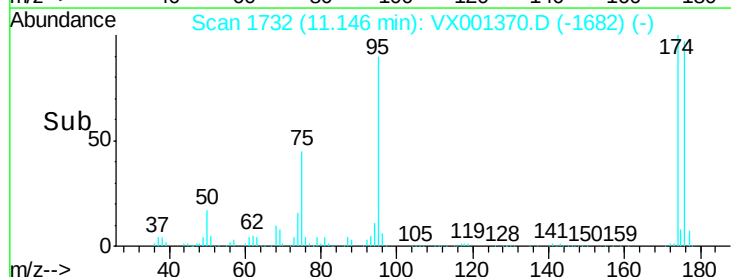
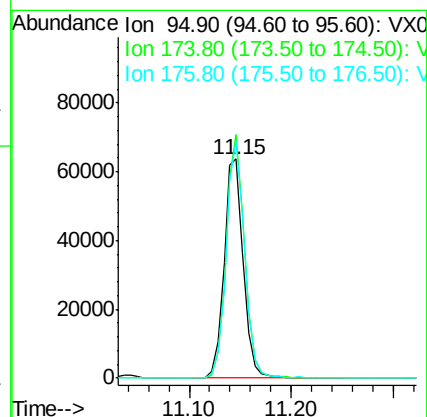
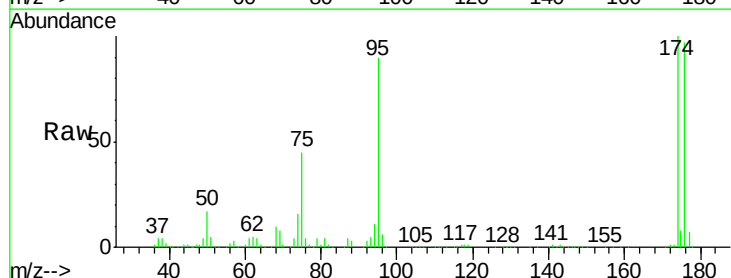
Tgt Ion: 95 Resp: 83874

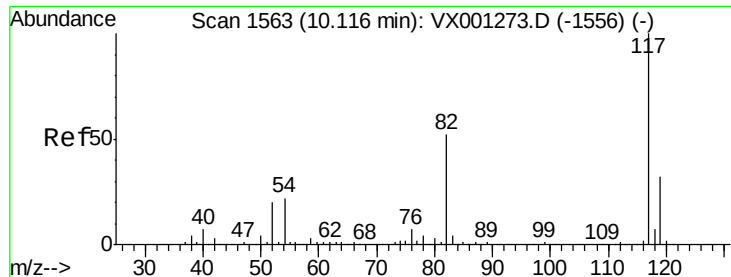
Ion Ratio Lower Upper

95 100

174 105.4 0.0 201.8

176 103.1 0.0 197.2

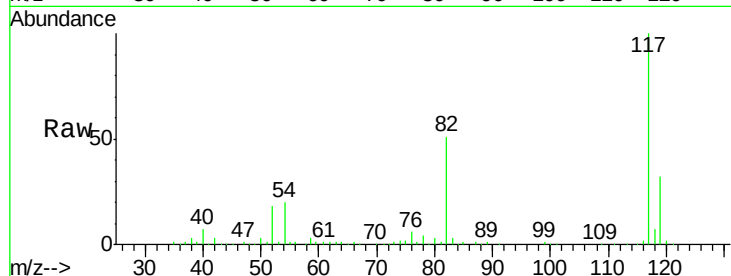




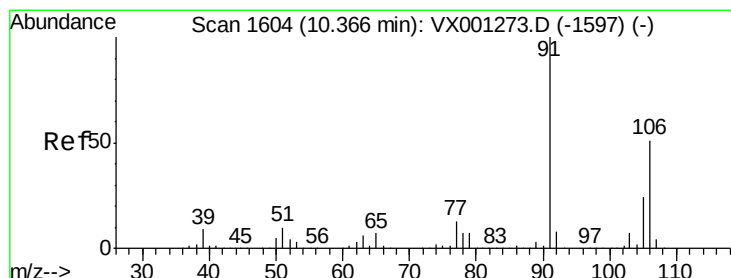
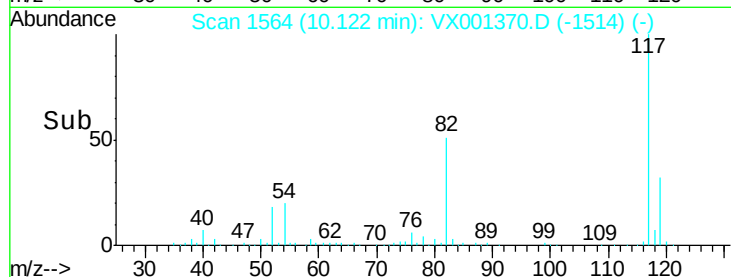
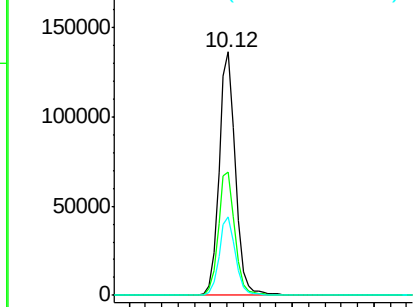
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

Instrument :
MSVOA_X
ClientSampleId :
GS-1-PAINT-CHIPS

Tgt Ion:117 Resp: 191579
Ion Ratio Lower Upper
117 100
82 50.6 41.4 62.0
119 32.4 25.5 38.3

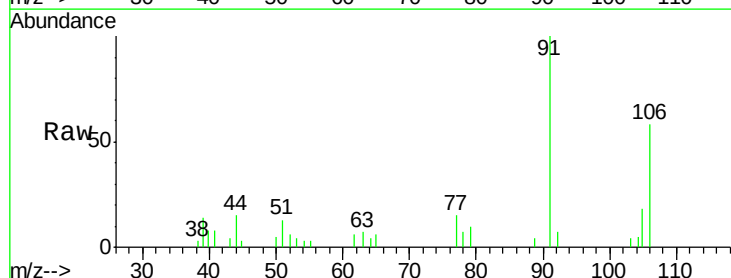


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

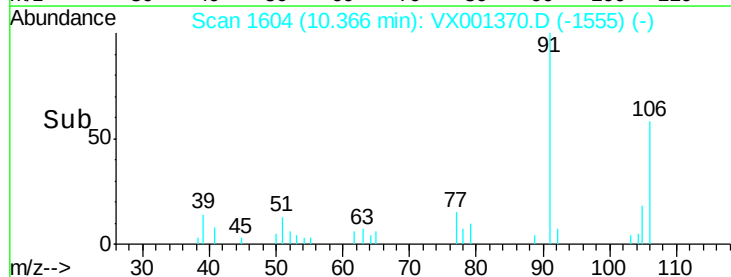
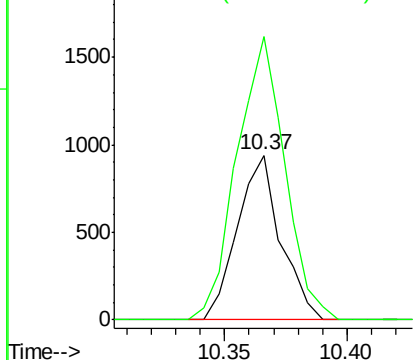


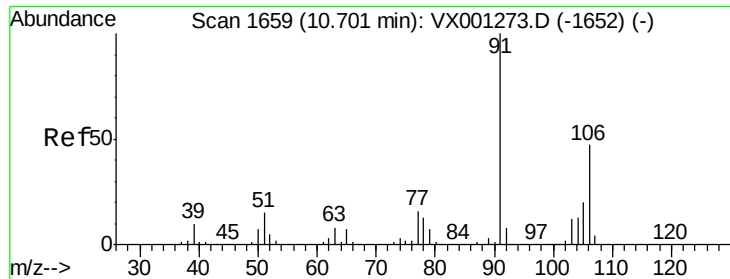
#68
m/p-Xylenes
Concen: 0.34 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

Tgt Ion:106 Resp: 1158
Ion Ratio Lower Upper
106 100
91 191.4 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

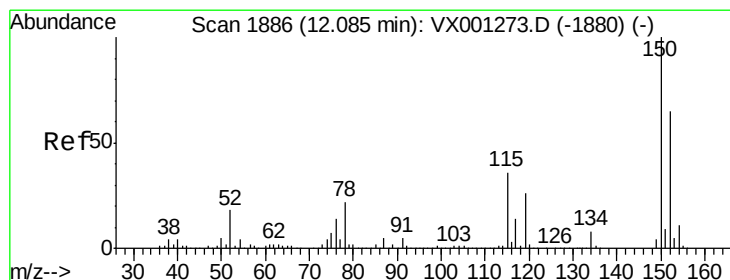
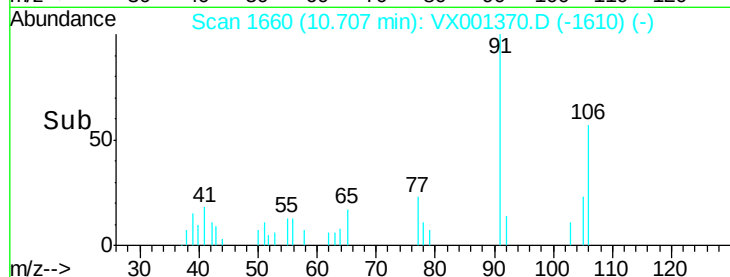
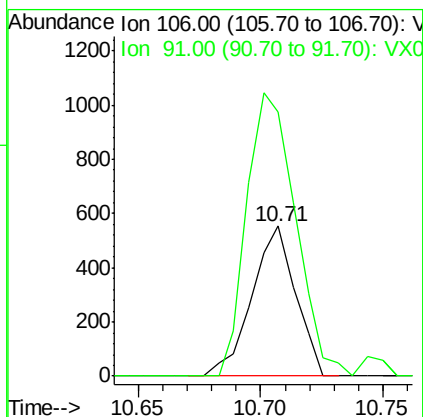
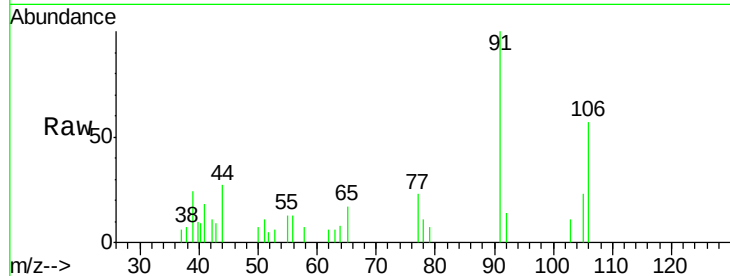




#69
o-Xylene
Concen: 0.21 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

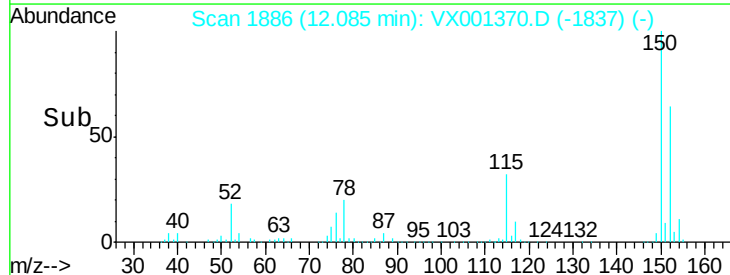
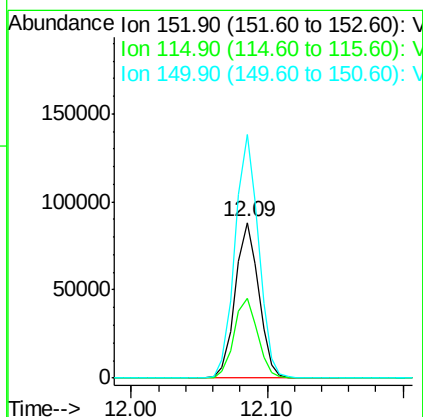
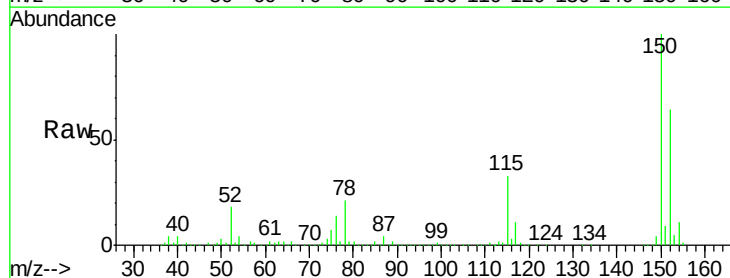
Instrument :
MSVOA_X
ClientSampleId :
GS-1-PAINT-CHIPS

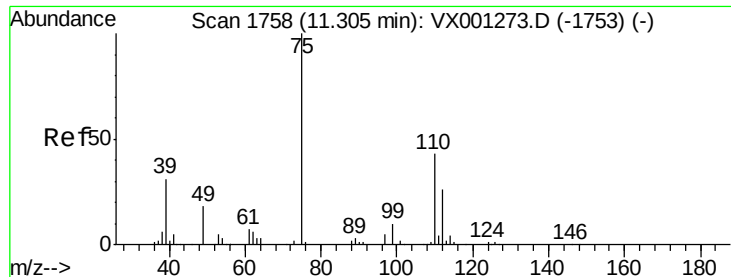
Tgt Ion:106 Resp: 689
Ion Ratio Lower Upper
106 100
91 210.3 106.3 319.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

Tgt Ion:152 Resp: 105959
Ion Ratio Lower Upper
152 100
115 51.7 38.6 115.7
150 157.5 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 21.91 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

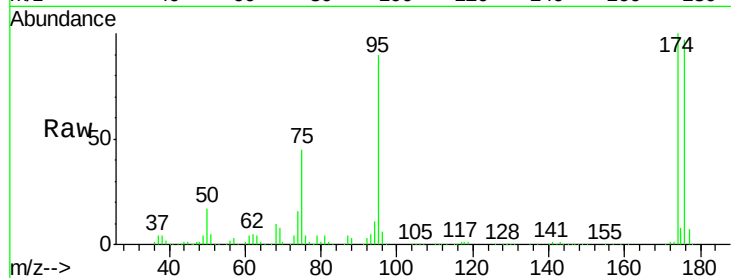
GS-1-PAINT-CHIPS

Tgt Ion: 75 Resp: 42920

Ion Ratio Lower Upper

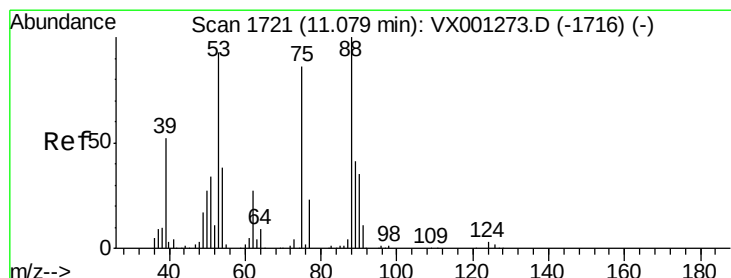
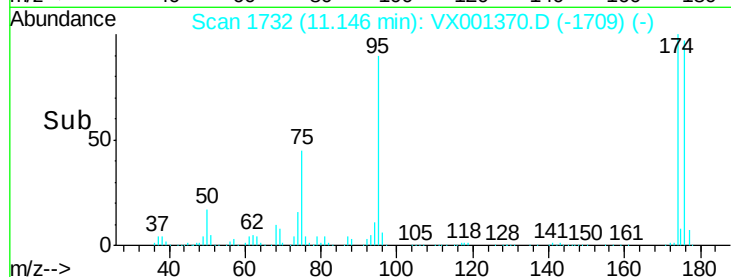
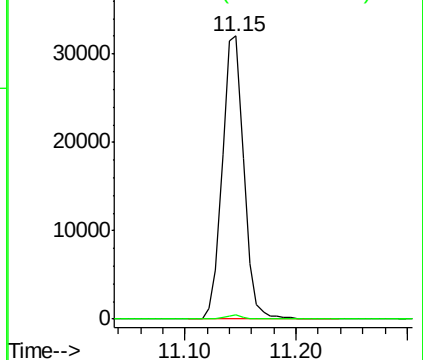
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 69.44 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

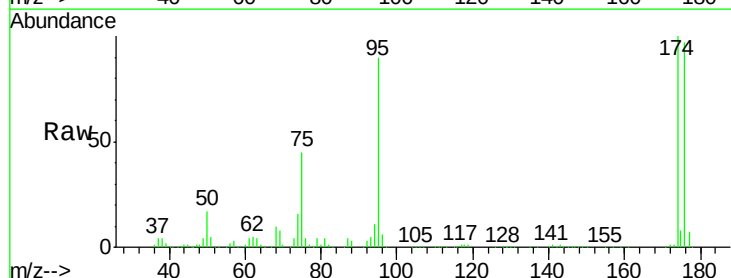
Tgt Ion: 75 Resp: 42920

Ion Ratio Lower Upper

75 100

53 0.2 87.1 130.7#

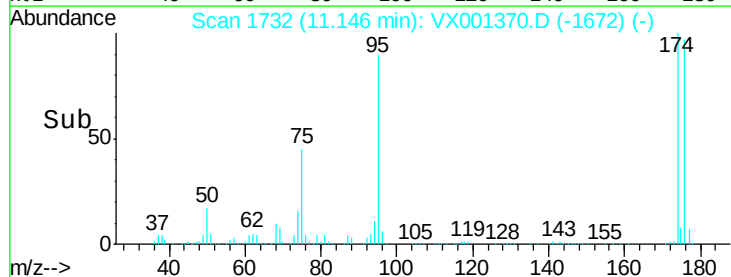
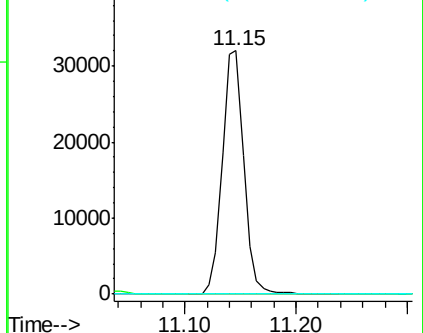
89 0.1 38.9 58.3#

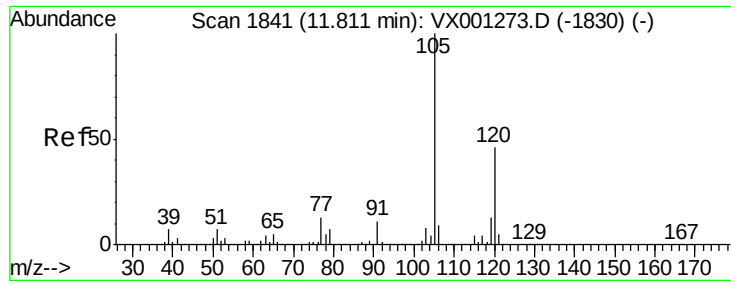


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

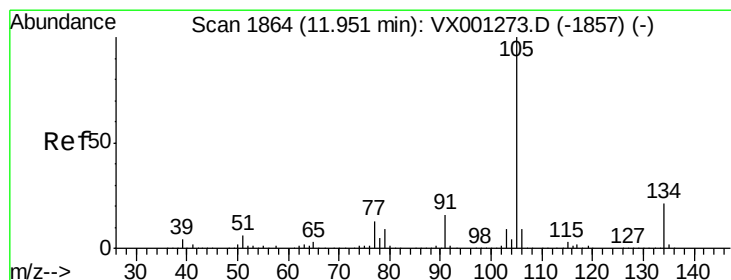
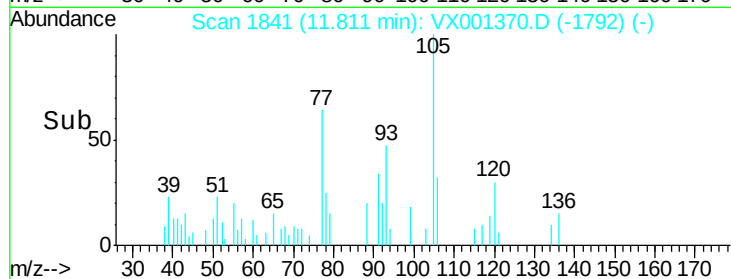
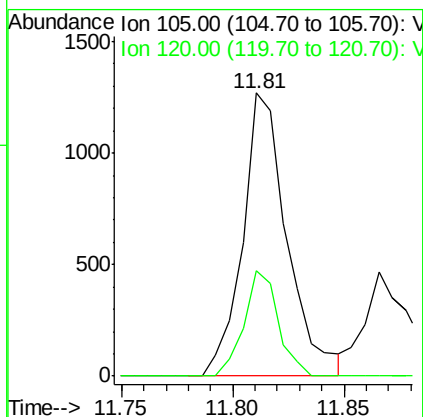
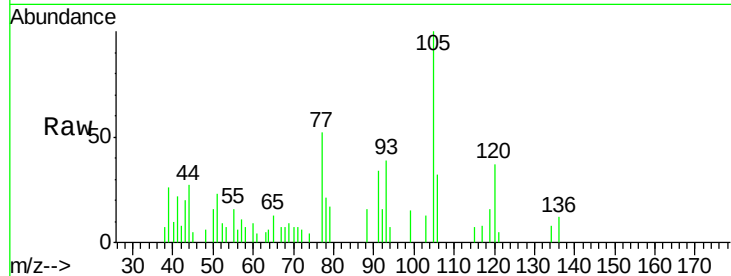




#84
 1,2,4-Trimethylbenzene
 Concen: 0.29 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001370.D
 Acq: 03 May 2018 20:12

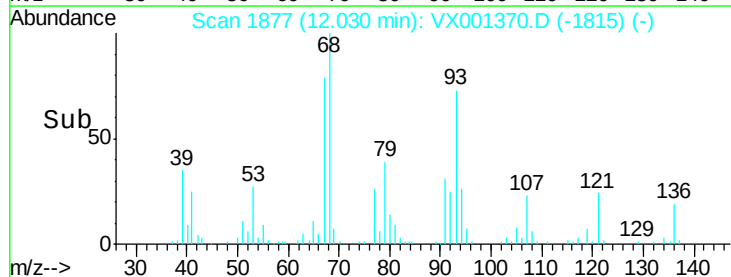
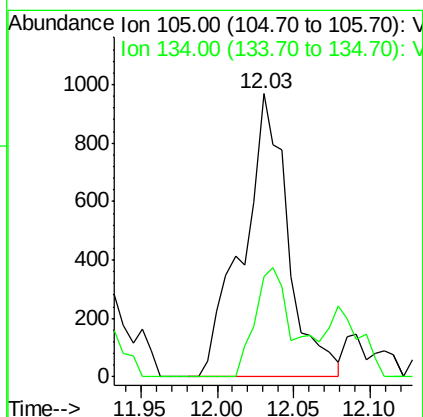
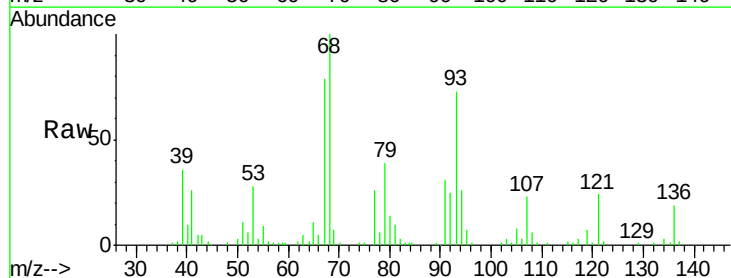
Instrument :
 MSVOA_X
 ClientSampleId :
 GS-1-PAINT-CHIPS

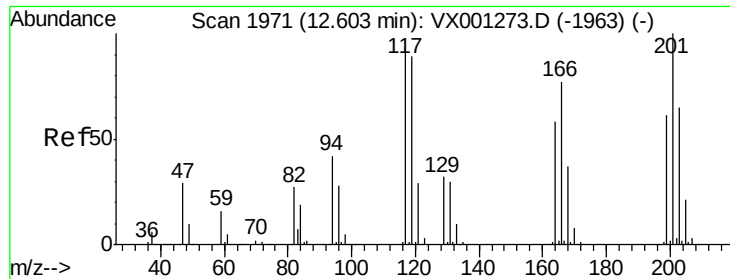
Tgt Ion:105 Resp: 1768
 Ion Ratio Lower Upper
 105 100
 120 28.7 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 0.28 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.08 min
 Lab File: VX001370.D
 Acq: 03 May 2018 20:12

Tgt Ion:105 Resp: 1990
 Ion Ratio Lower Upper
 105 100
 134 28.8 10.7 31.9





#90

Hexachloroethane

Concen: 0.65 ug/l

RT: 12.58 min Scan# 1968

Delta R.T. -0.02 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

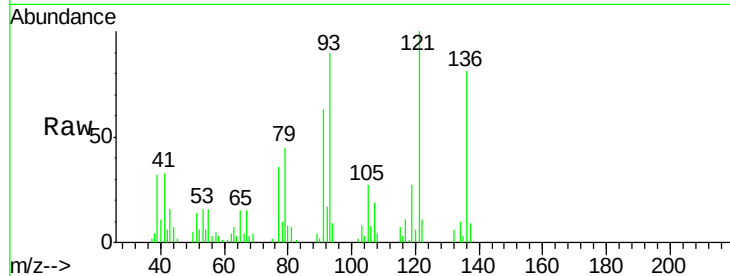
GS-1-PAINT-CHIPS

Tgt Ion: 117 Resp: 615

Ion Ratio Lower Upper

117 100

201 0.0 51.6 154.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.58

400

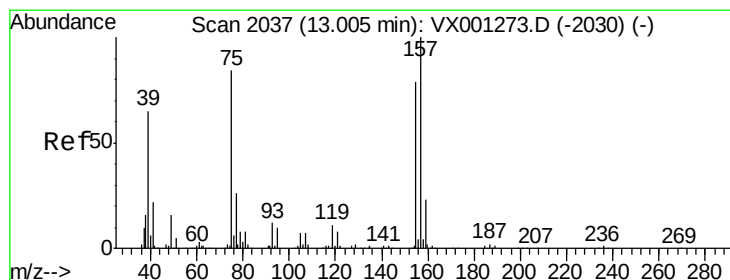
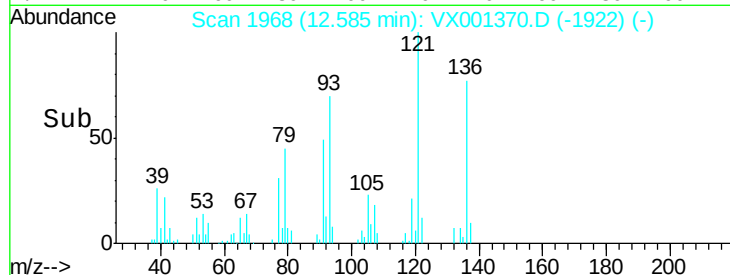
300

200

100

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 30.14 ug/l

RT: 13.27 min Scan# 2080

Delta R.T. 0.26 min

Lab File: VX001370.D

Acq: 03 May 2018 20:12

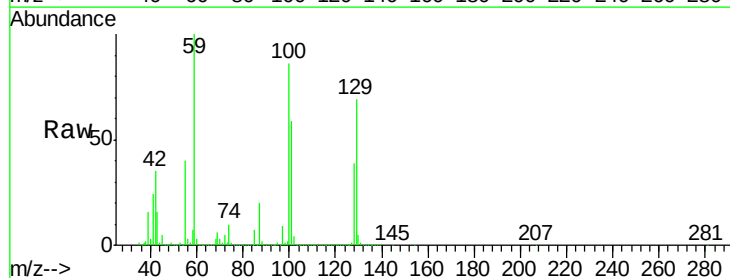
Tgt Ion: 75 Resp: 12937

Ion Ratio Lower Upper

75 100

155 0.0 49.9 149.7#

157 0.0 63.7 191.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

13.27

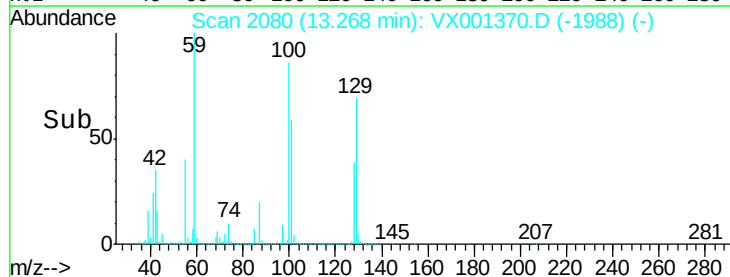
15000

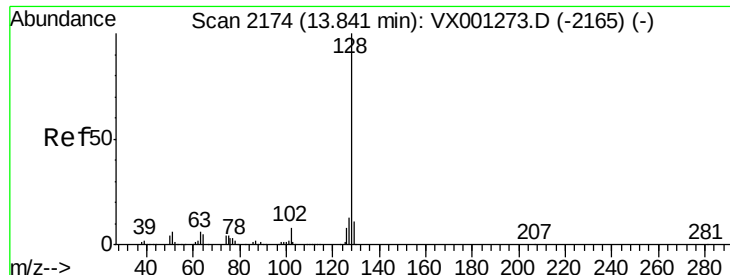
10000

5000

0

Time-->





#95
Naphthalene
Concen: 0.87 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001370.D
Acq: 03 May 2018 20:12

Instrument :
MSVOA_X
ClientSampleId :
GS-1-PAINT-CHIPS

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.5	15.7#
129	14.2	8.7	13.1#

