

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071019\
 Data File : VX010772.D
 Acq On : 10 Jul 2019 13:16
 Operator : JC/SP
 Sample : K3664-04DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0588DL

Quant Time: Jul 11 01:13:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

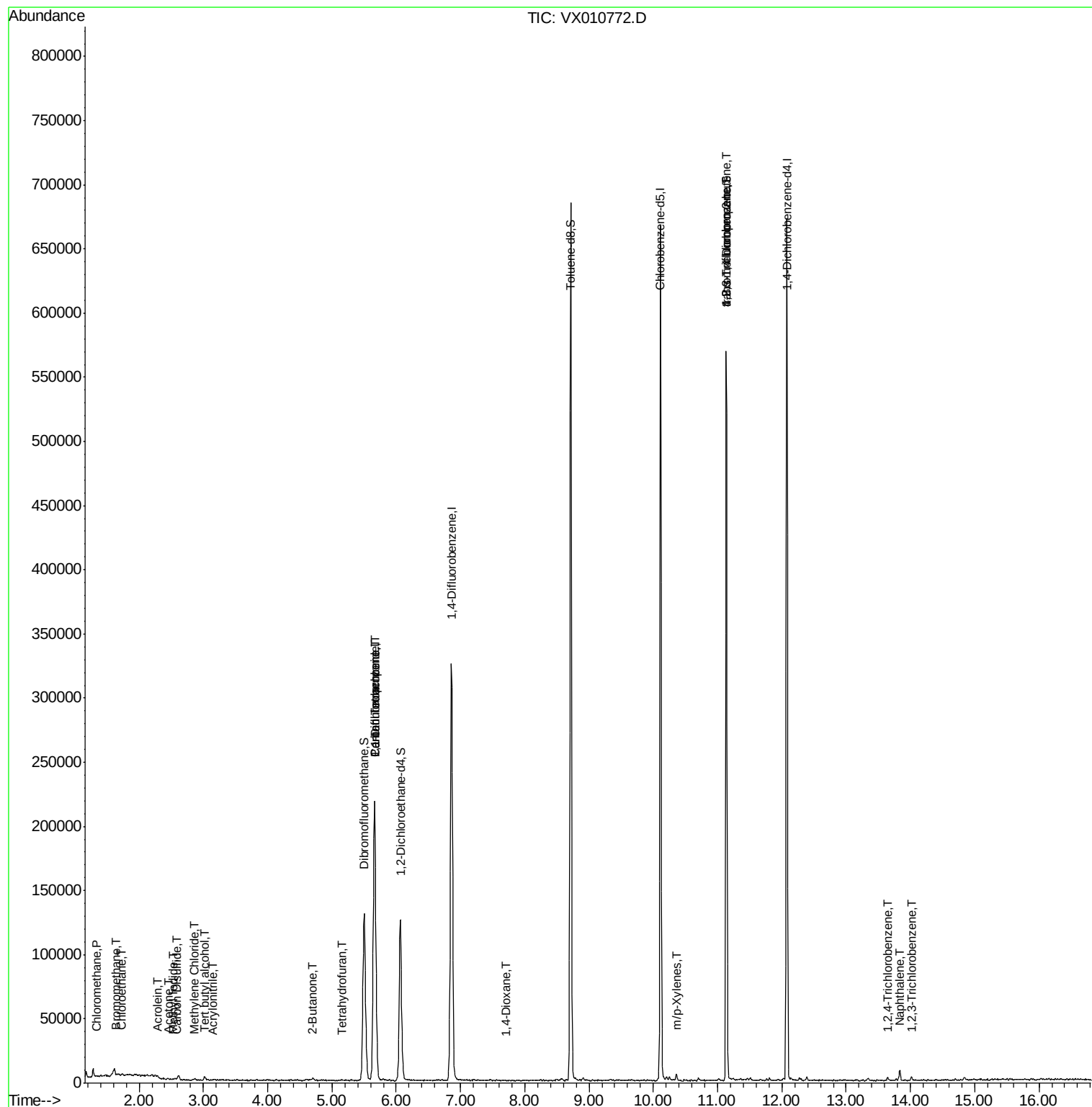
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353638	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146608	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115004	54.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.34%	
35) Dibromofluoromethane	5.50	113	107944	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.78%	
50) Toluene-d8	8.71	98	420845	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.13	95	140539	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.06%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	662	0.361	ug/l	100
5) Bromomethane	1.65	94	462	0.472	ug/l #	80
6) Chloroethane	1.72	64	363	0.306	ug/l #	41
10) Methyl Iodide	2.52	142	887	0.322	ug/l #	88
11) Tert butyl alcohol	3.01	59	1755	3.159	ug/l	95
13) Acrolein	2.29	56	190	0.516	ug/l #	28
15) Acrylonitrile	3.16	53	340	0.309	ug/l #	42
16) Acetone	2.45	43	1397	1.313	ug/l	95
17) Carbon Disulfide	2.58	76	1073	0.204	ug/l #	80
20) Methylene Chloride	2.86	84	610	0.279	ug/l #	80
25) 2-Butanone	4.68	43	412	0.264	ug/l #	46
29) Tetrahydrofuran	5.16	42	308	0.319	ug/l #	77
36) 1,1-Dichloropropene	5.66	75	14068	5.006	ug/l #	47
38) Carbon Tetrachloride	5.66	117	19914	6.544	ug/l #	15
49) 1,4-Dioxane	7.71	88	31	0.484	ug/l #	1
68) m/p-Xylenes	10.36	106	1124	0.260	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	68586	25.672	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	68586	59.891	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.65	180	685	0.205	ug/l	94
95) Naphthalene	13.83	128	5016	0.489	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.02	180	715	0.215	ug/l	86

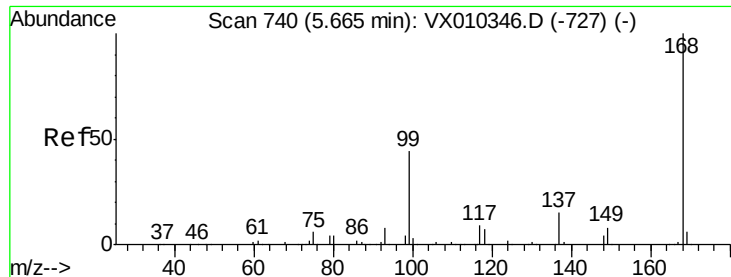
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010772.D

Acq: 10 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

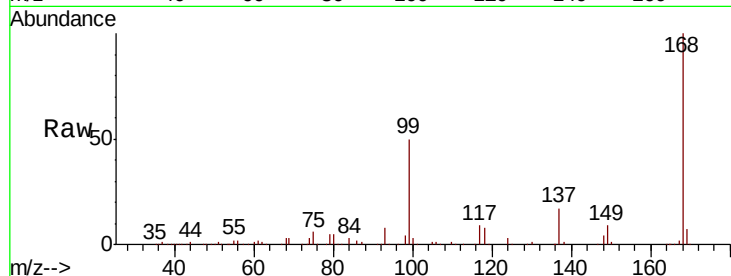
FL-0588DL

Tot Ion:168 Resp: 226434

Ion Ratio Lower Upper

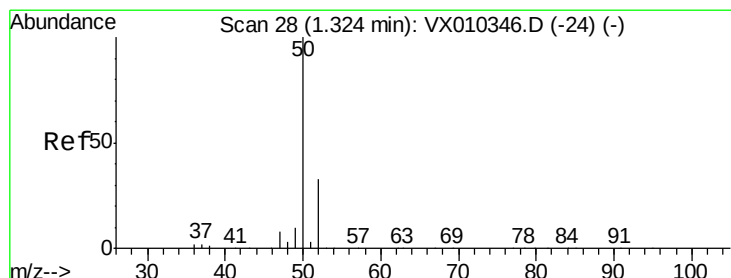
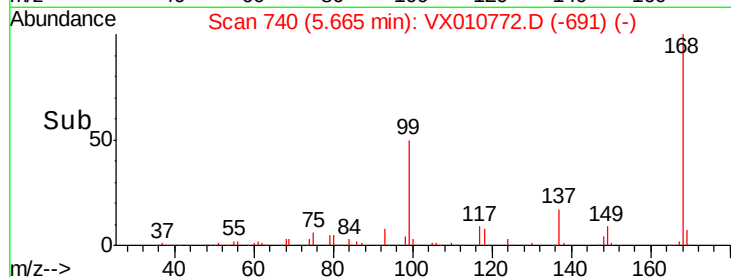
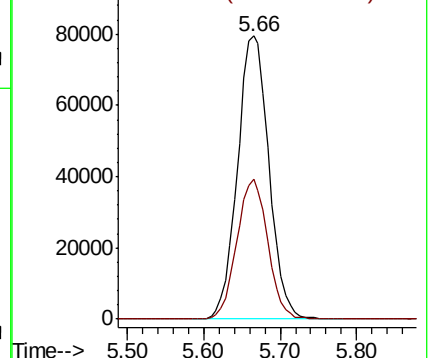
168 100

99 49.5 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.361 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010772.D

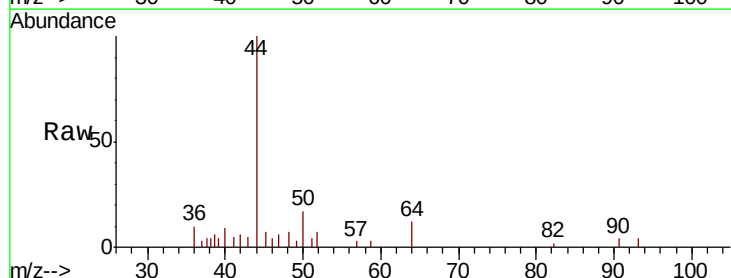
Acq: 10 Jul 2019 13:16

Tgt Ion: 50 Resp: 662

Ion Ratio Lower Upper

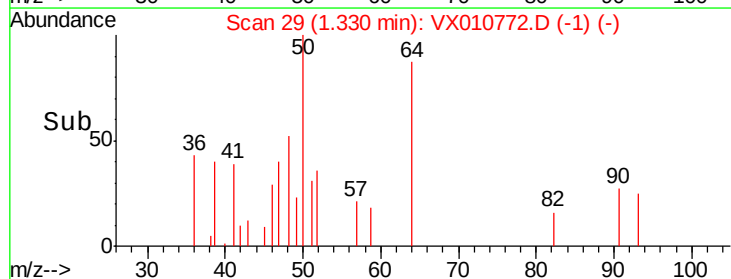
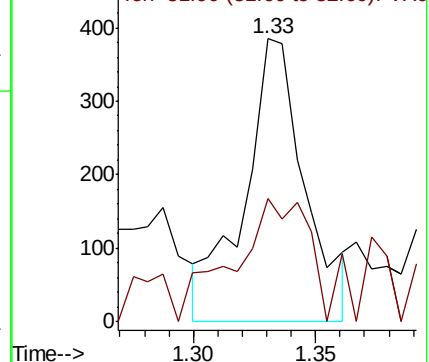
50 100

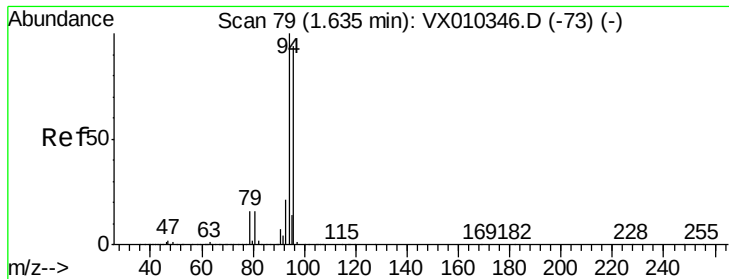
52 32.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.472 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010772.D

Acq: 10 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleID :

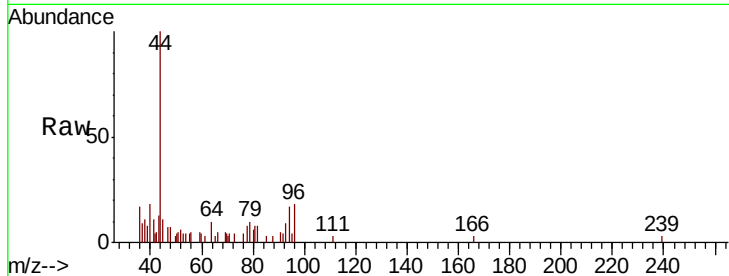
FL-0588DL

Tot Ion: 94 Resp: 462

Ion Ratio Lower Upper

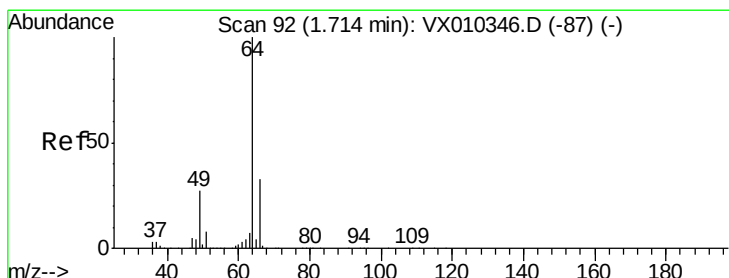
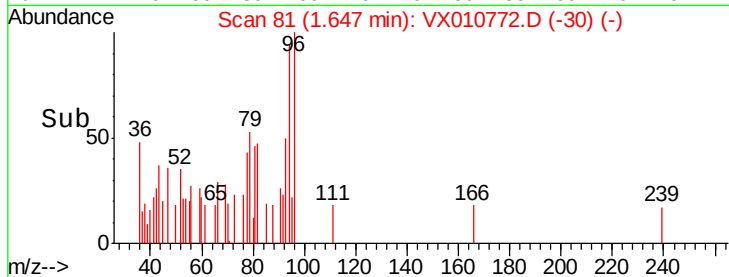
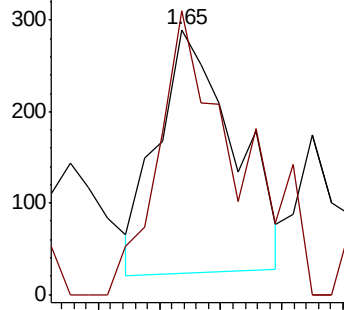
94 100

96 114.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.306 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010772.D

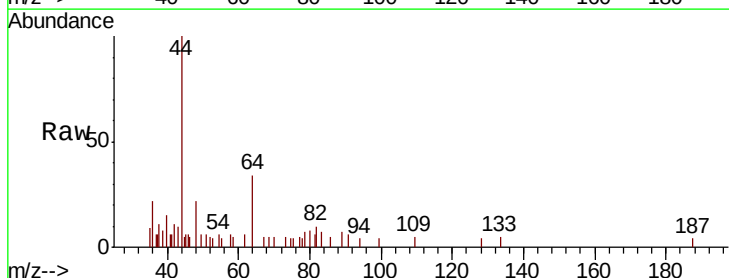
Acq: 10 Jul 2019 13:16

Tgt Ion: 64 Resp: 363

Ion Ratio Lower Upper

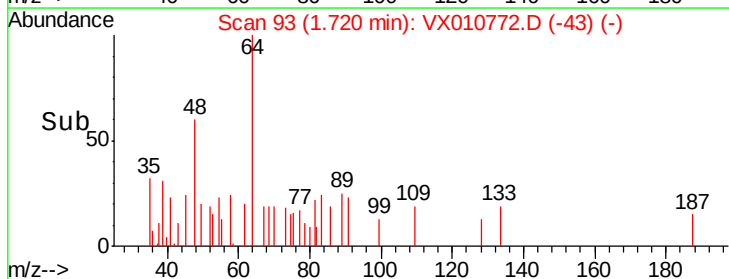
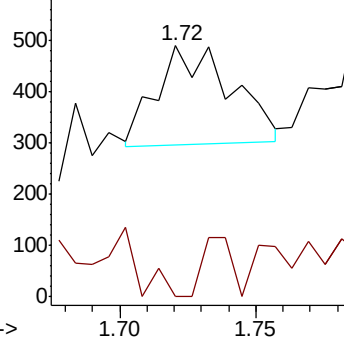
64 100

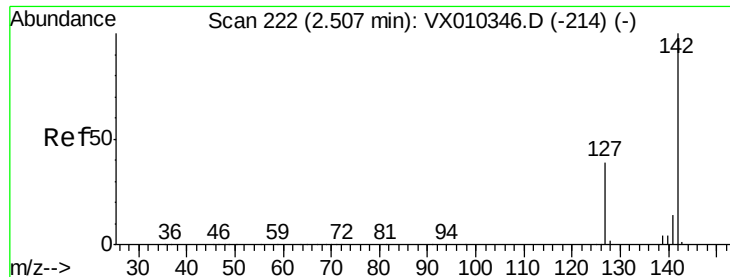
66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

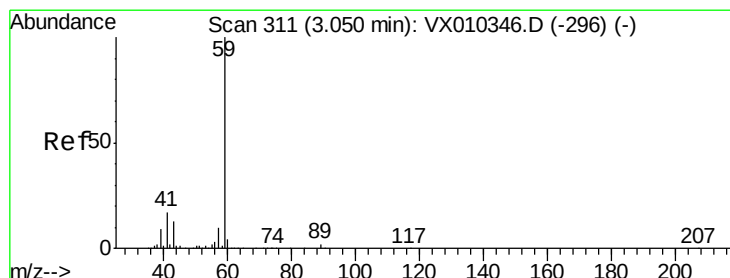
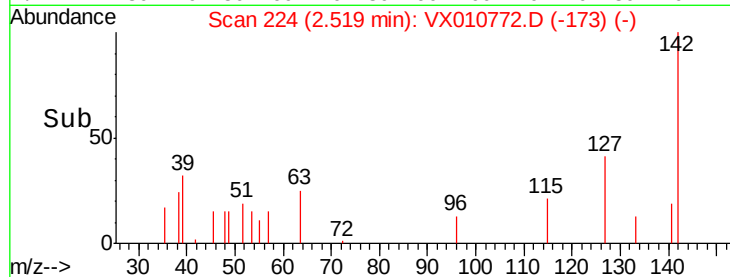
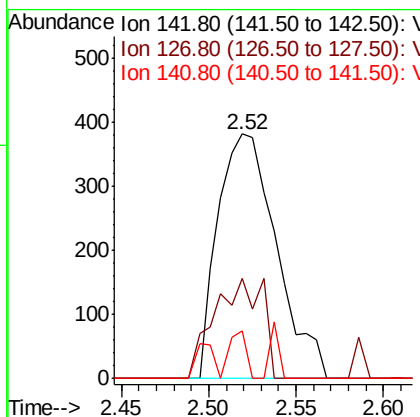
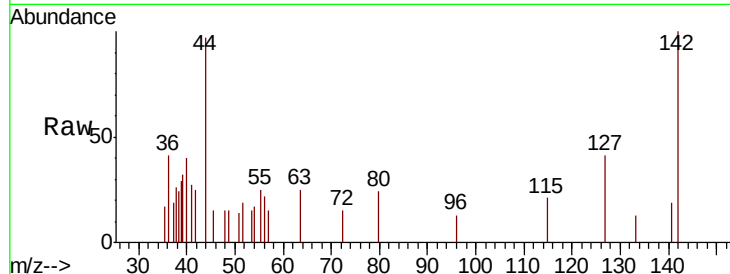




#10
Methvl Iodide
Concen: 0.322 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

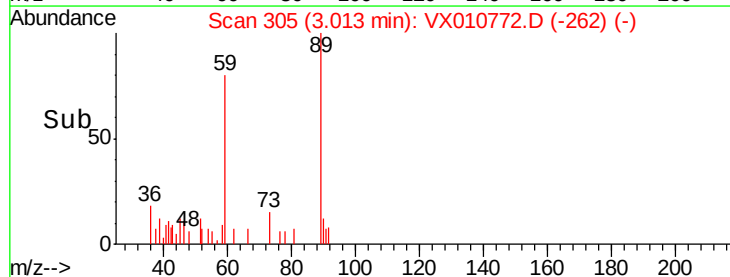
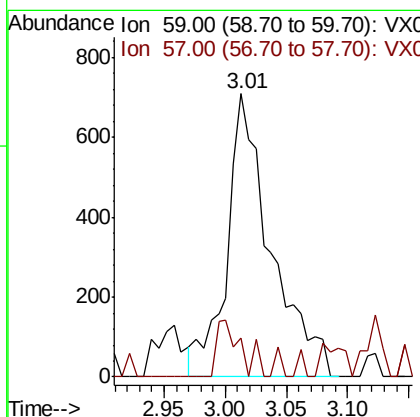
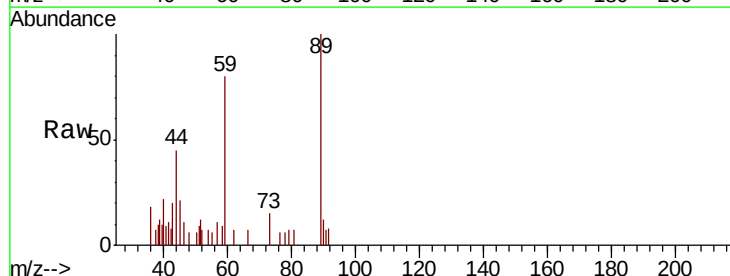
Instrument :
MSVOA_X
ClientSampled :
FL-0588DL

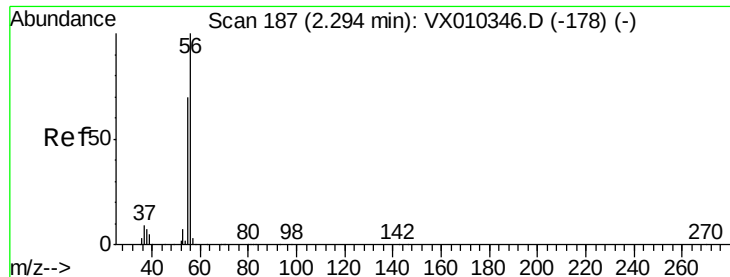
Tot Ion:142 Resp: 887
Ion Ratio Lower Upper
142 100
127 33.5 31.1 46.7
141 5.6 11.2 16.8#



#11
Tert butyl alcohol
Concen: 3.159 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

Tgt Ion: 59 Resp: 1755
Ion Ratio Lower Upper
59 100
57 11.4 7.7 11.5





#13

Acrolein

Concen: 0.516 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010772.D

Acq: 10 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

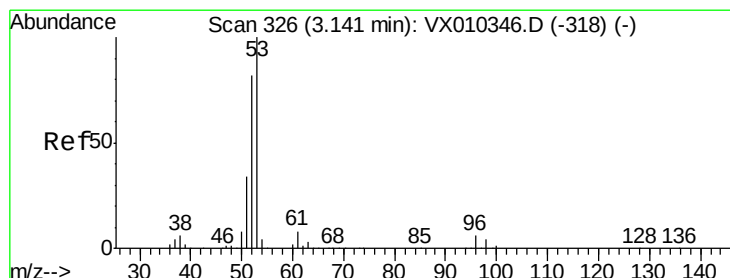
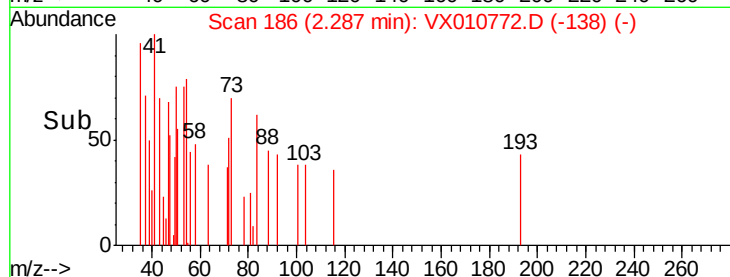
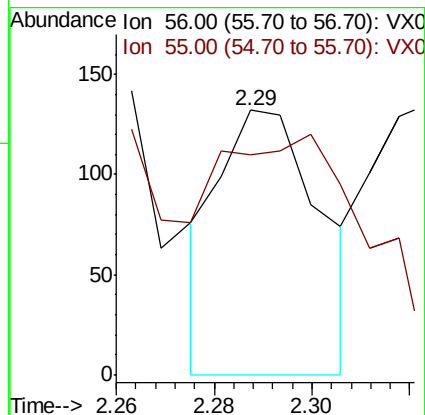
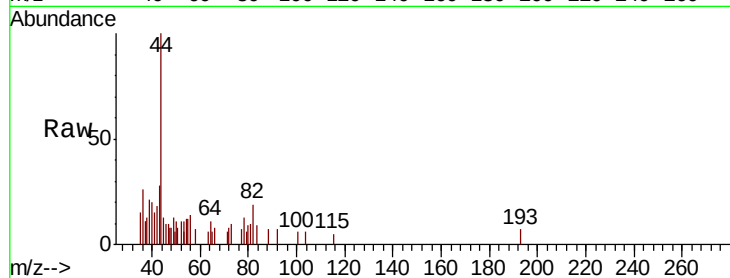
FL-0588DL

Tot Ion: 56 Resp: 190

Ion Ratio Lower Upper

56 100

55 131.1 56.9 85.3#



#15

Acrylonitrile

Concen: 0.309 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX010772.D

Acq: 10 Jul 2019 13:16

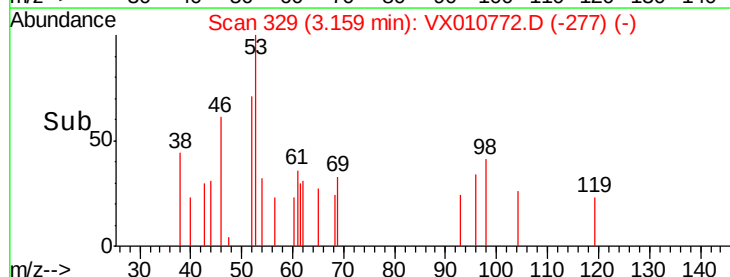
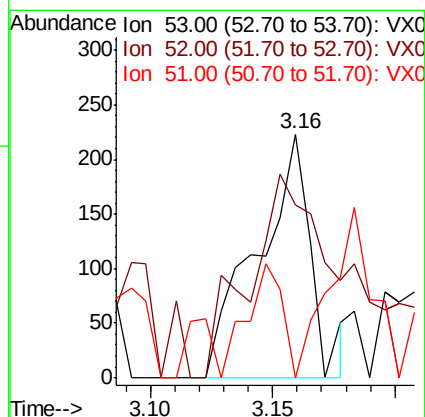
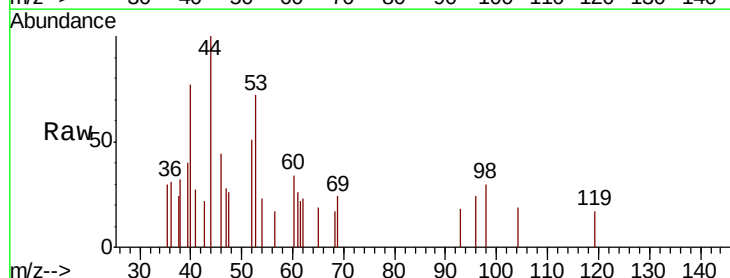
Tgt Ion: 53 Resp: 340

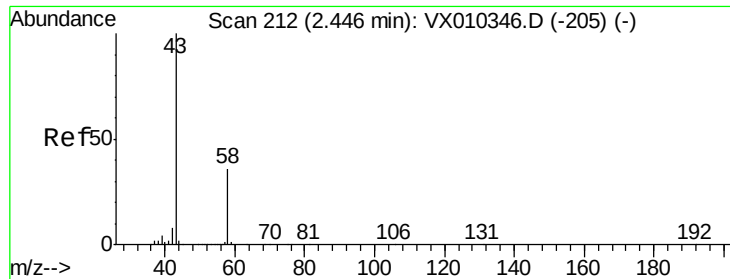
Ion Ratio Lower Upper

53 100

52 153.5 65.5 98.3#

51 31.2 28.2 42.4





#16

Acetone

Concen: 1.313 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010772.D

Acq: 10 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampled :

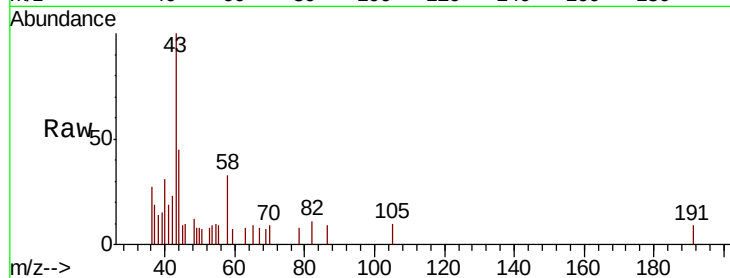
FL-0588DL

Tot Ion: 43 Resp: 1397

Ion Ratio Lower Upper

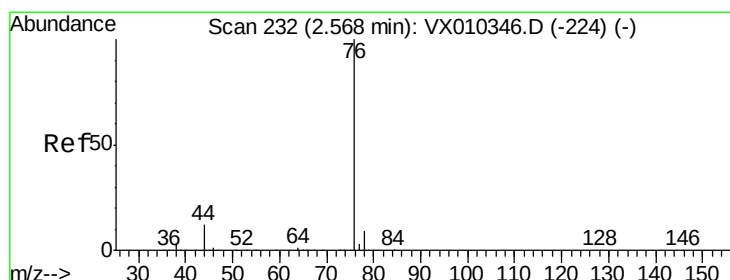
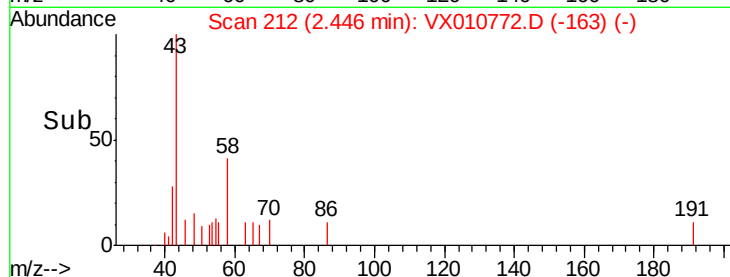
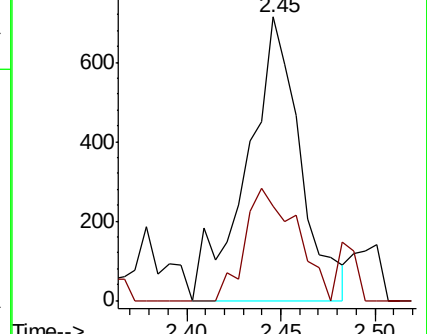
43 100

58 33.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.204 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX010772.D

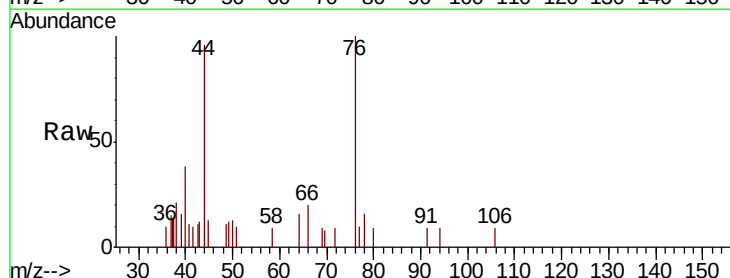
Acq: 10 Jul 2019 13:16

Tgt Ion: 76 Resp: 1073

Ion Ratio Lower Upper

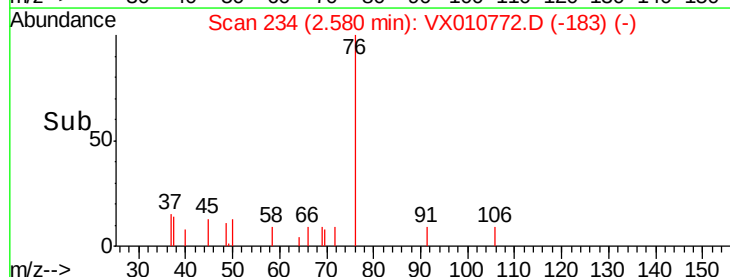
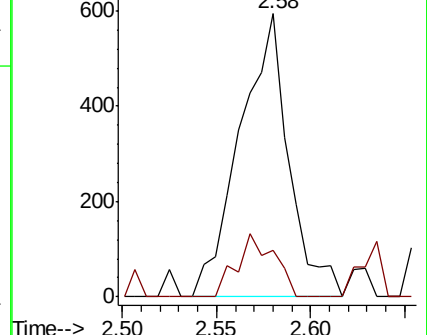
76 100

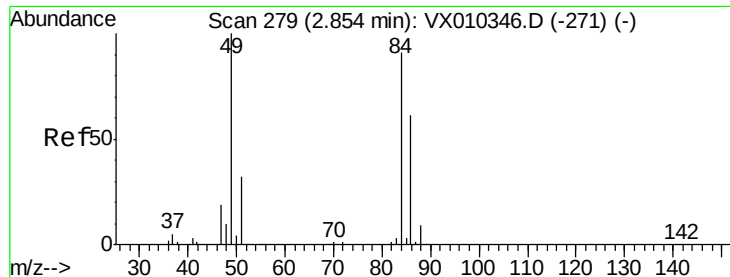
78 16.5 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

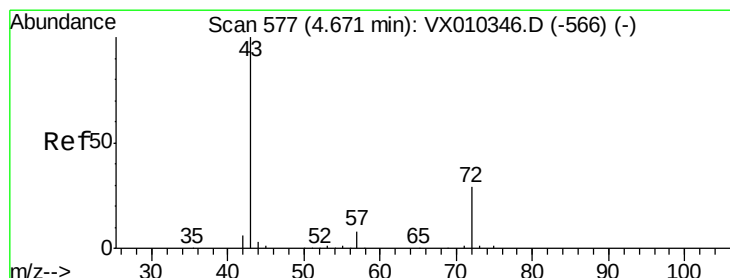
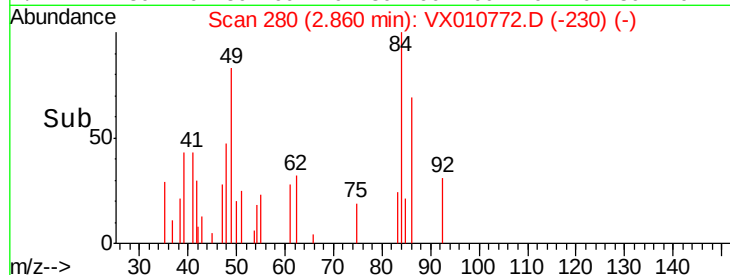
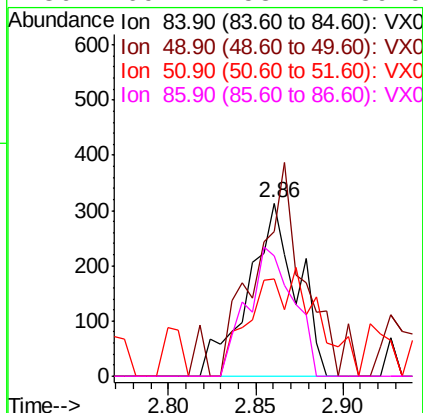
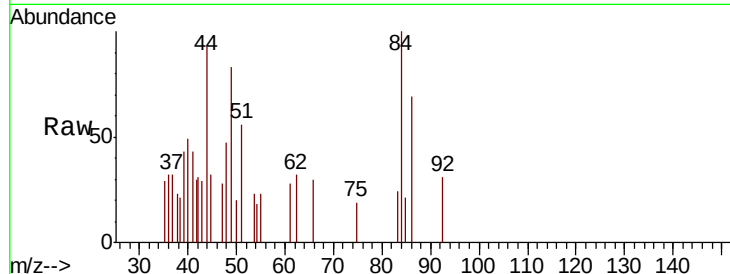




#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

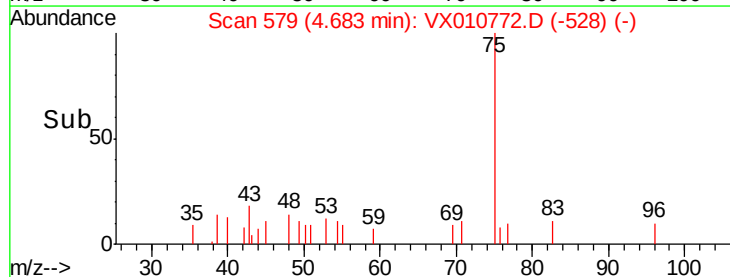
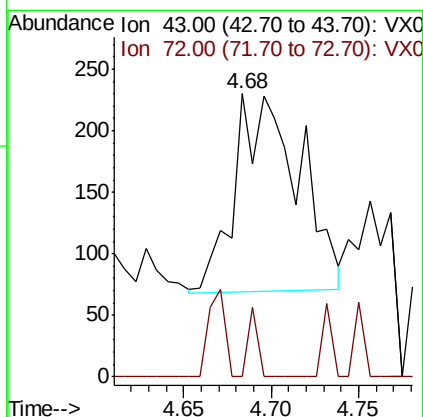
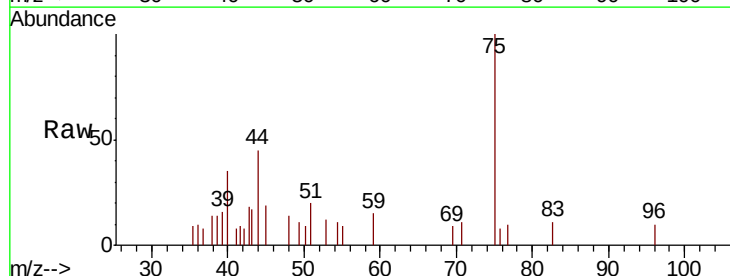
Instrument :
MSVOA_X
ClientSampleId :
FL-0588DL

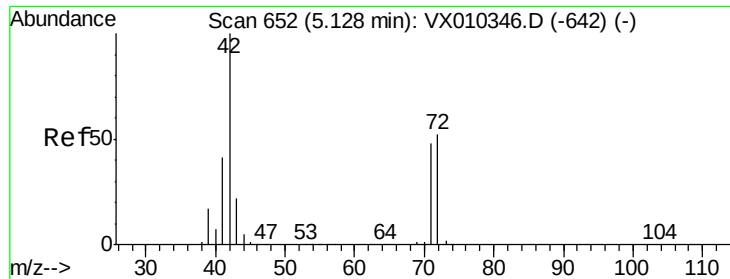
Tot Ion: 84 Resp: 610
Ion Ratio Lower Upper
84 100
49 83.4 87.5 131.3#
51 55.7 27.7 41.5#
86 69.1 53.4 80.0



#25
2-Butanone
Concen: 0.264 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#

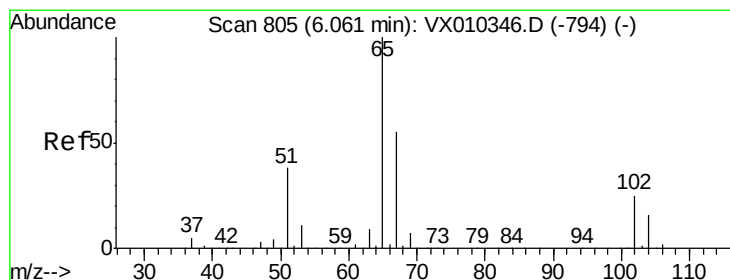
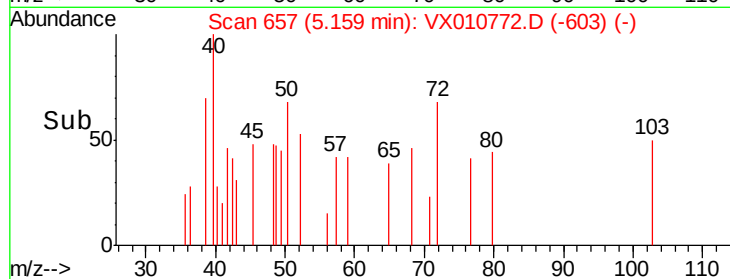
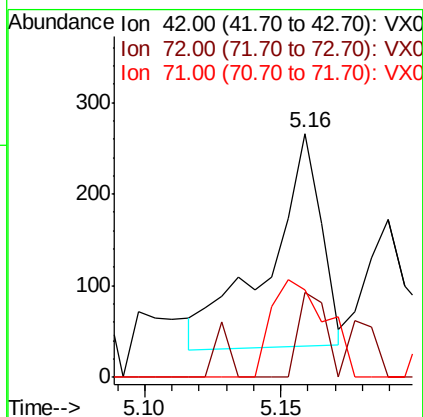
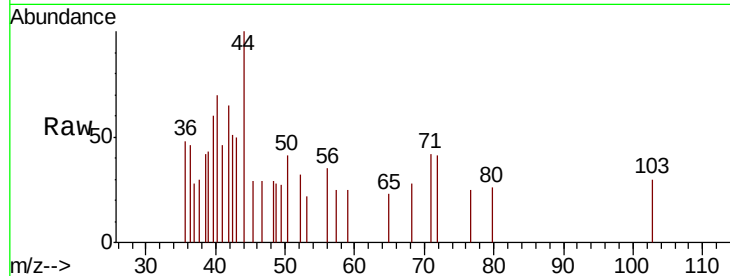




#29
Tetrahydrofuran
Concen: 0.319 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.03 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

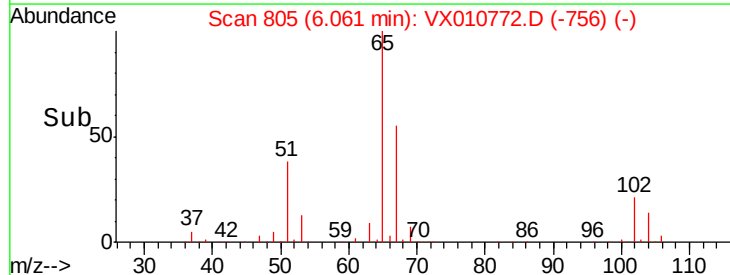
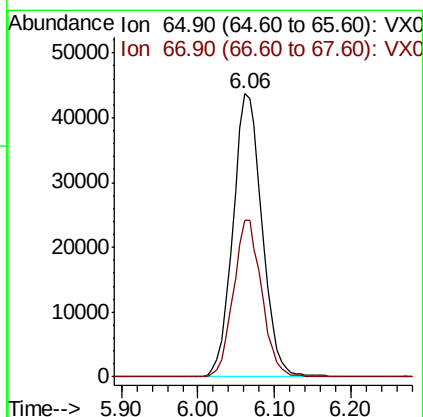
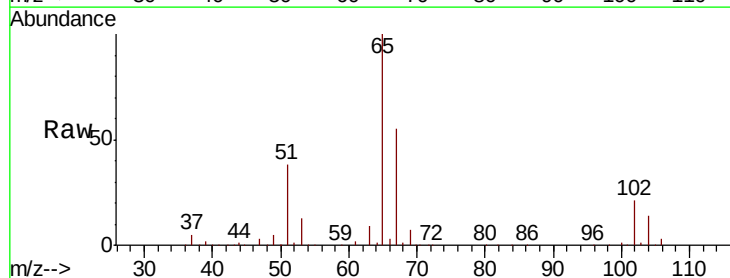
Instrument :
MSVOA_X
ClientSampled :
FL-0588DL

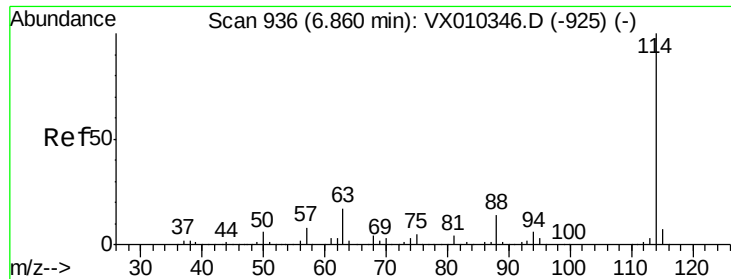
Tot Ion: 42 Resp: 308
Ion Ratio Lower Upper
42 100
72 20.8 40.6 60.8#
71 48.1 37.8 56.8



#33
1,2-Dichloroethane-d4
Concen: 54.169 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

Tgt Ion: 65 Resp: 115004
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.2

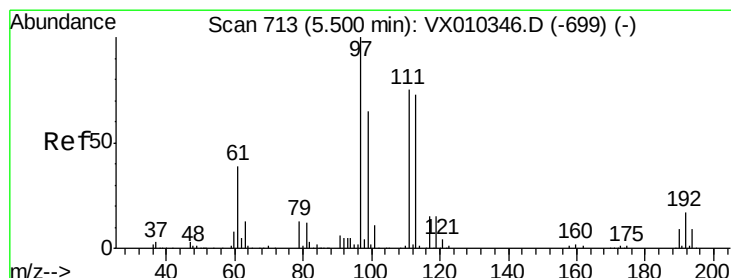
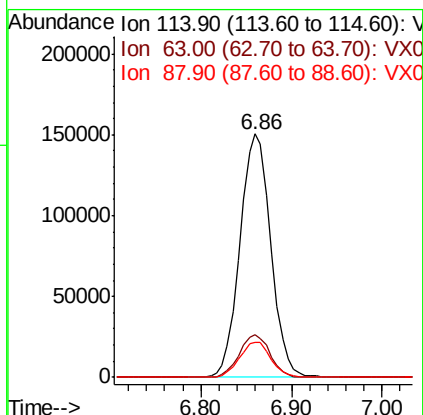
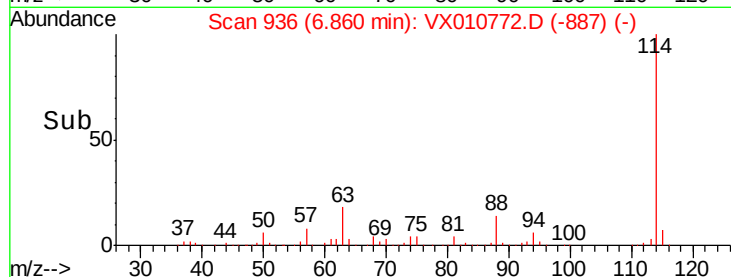
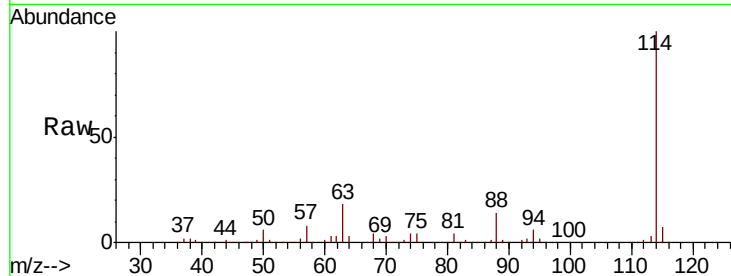




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

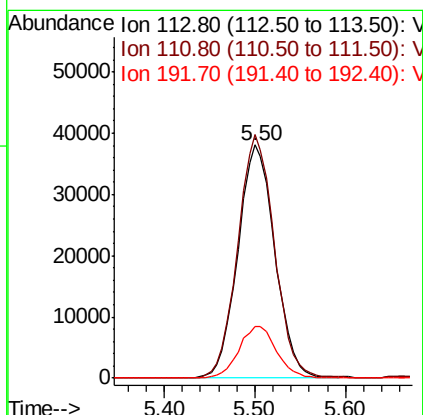
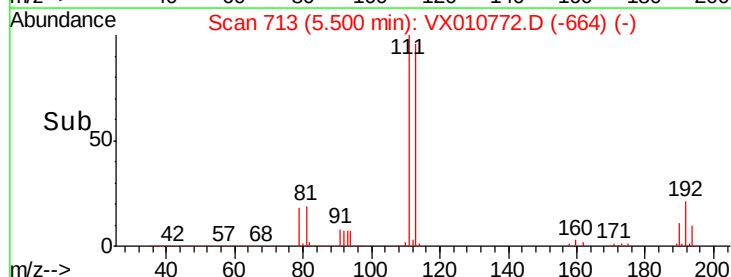
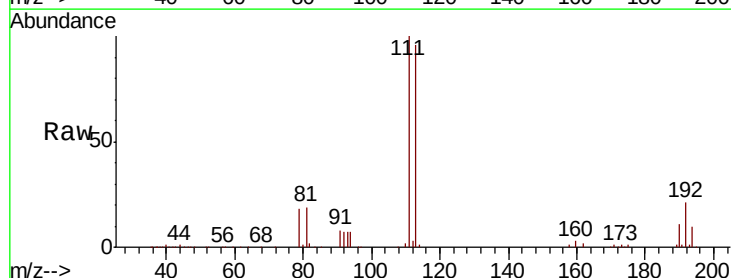
Instrument :
MSVOA_X
ClientSampleId :
FL-0588DL

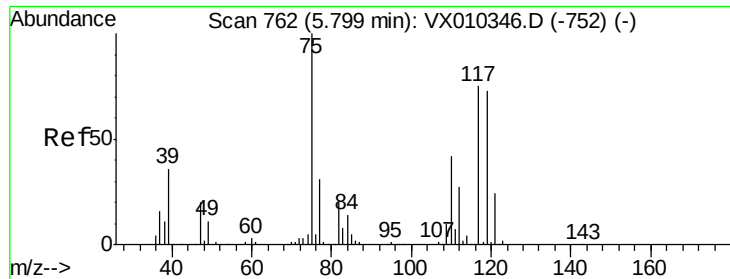
Tot Ion:114 Resp: 353638
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.8
88 14.2 0.0 27.6



#35
Dibromofluoromethane
Concen: 49.889 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

Tgt Ion:113 Resp: 107944
Ion Ratio Lower Upper
113 100
111 103.1 81.2 121.8
192 22.5 18.6 27.8

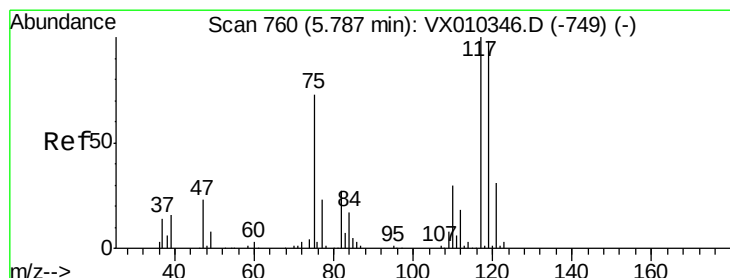
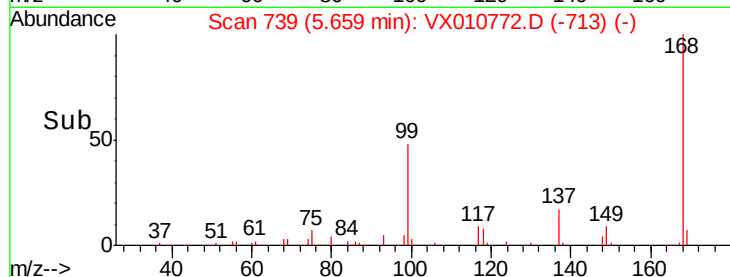
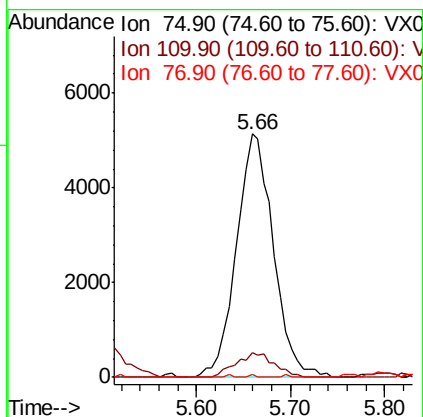
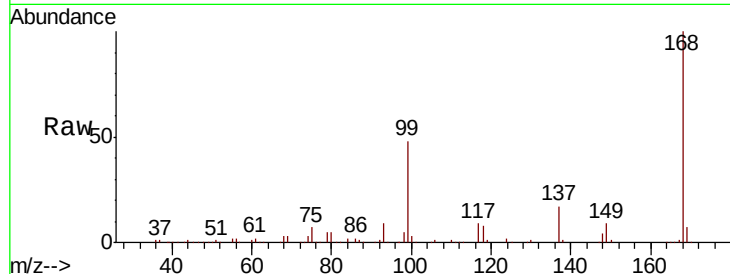




#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010772.D
 Acq: 10 Jul 2019 13:16

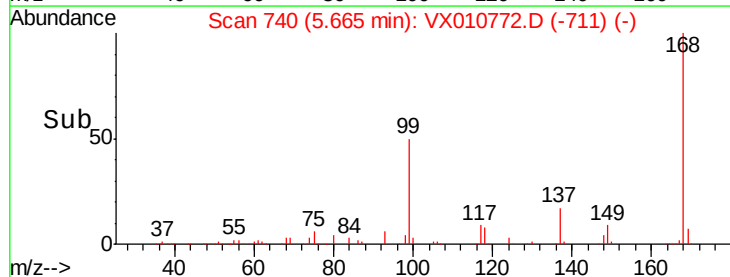
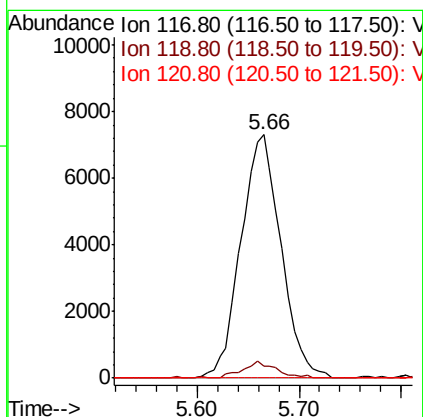
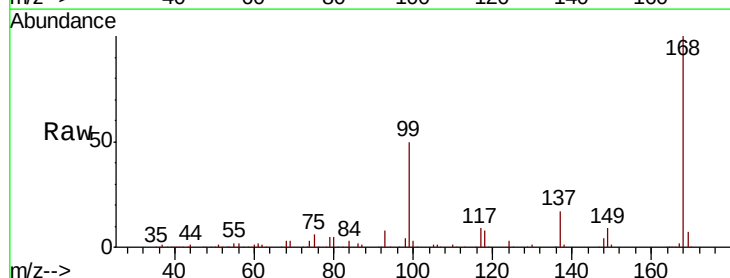
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0588DL

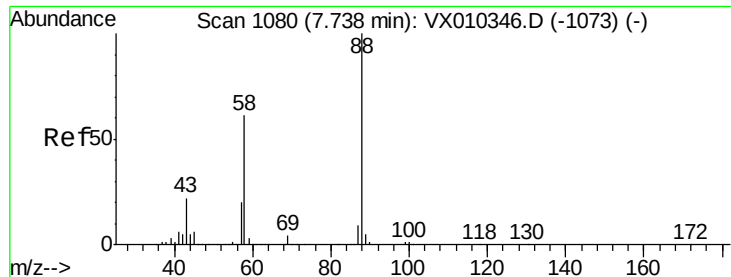
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	20.8	62.2#
77	0.1	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.544 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010772.D
 Acq: 10 Jul 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.2	117.4#
121	0.0	24.7	37.1#

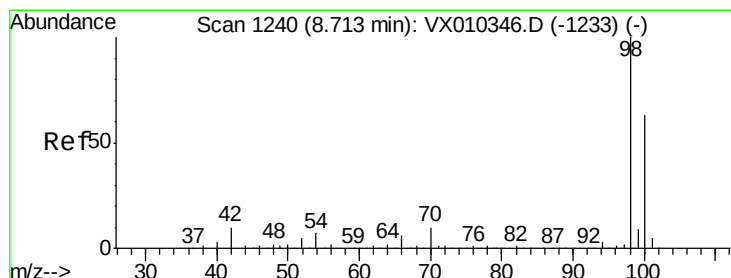
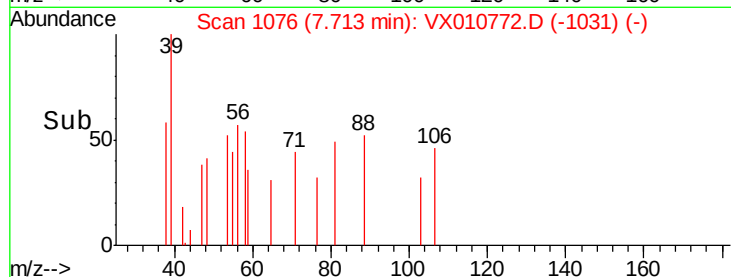
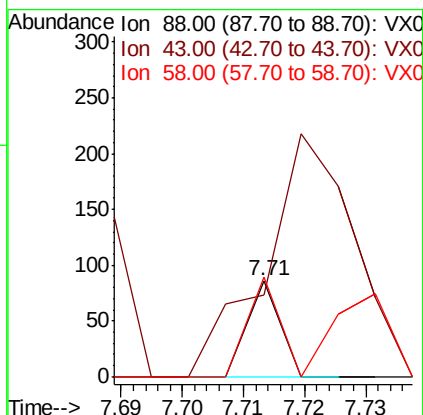
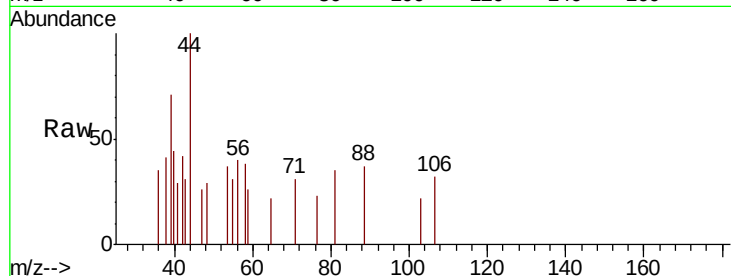




#49
1,4-Dioxane
Concen: 0.484 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

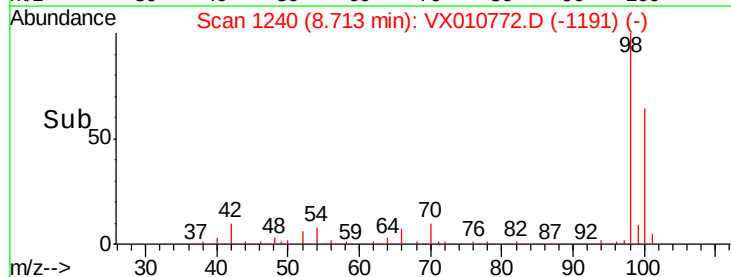
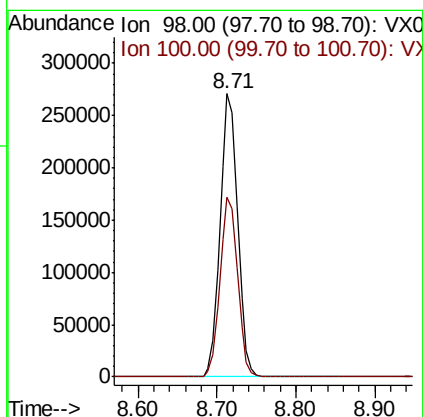
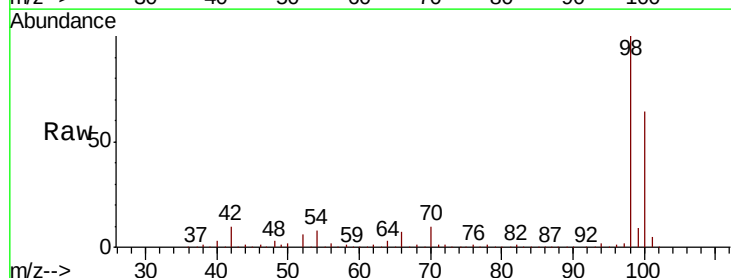
Instrument :
MSVOA_X
ClientSampled :
FL-0588DL

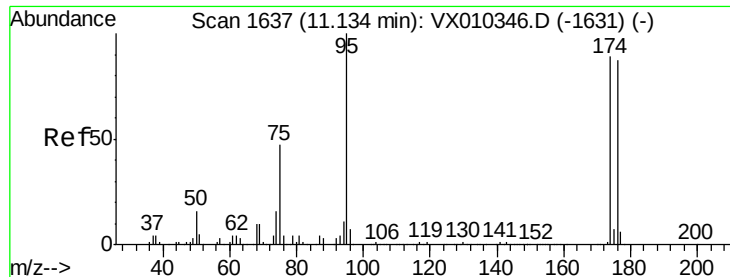
Tot Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 706.5 20.2 30.2#
58 106.5 49.5 74.3#



#50
Toluene-d8
Concen: 50.840 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

Tgt Ion: 98 Resp: 420845
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 47.026 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010772.D

Acq: 10 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampled :

FL-0588DL

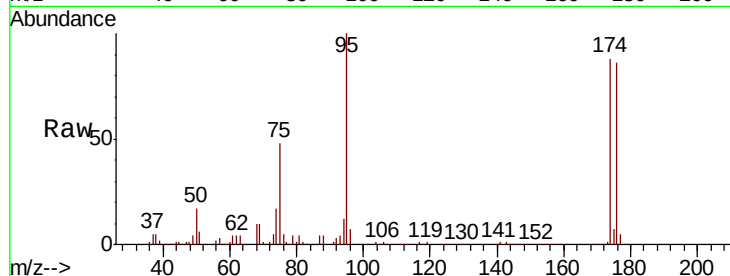
Tot Ion: 95 Resp: 140539

Ion Ratio Lower Upper

95 100

174 93.5 0.0 187.6

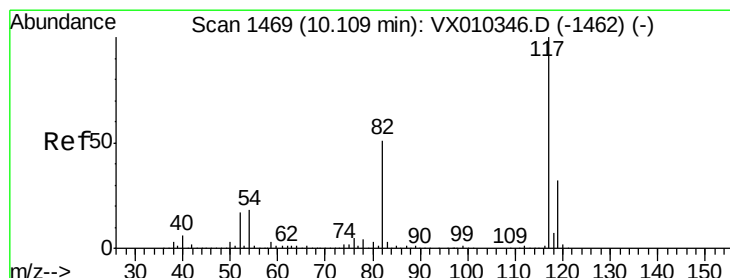
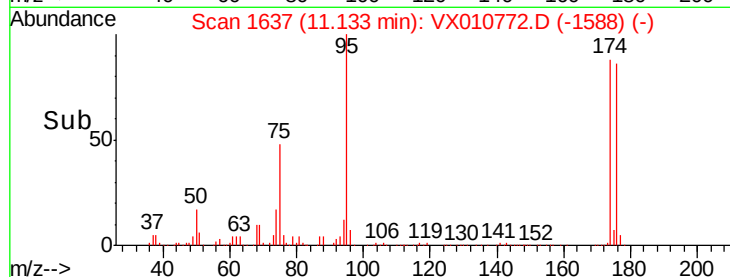
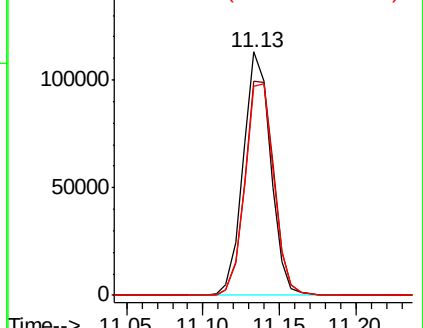
176 91.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX010772.D

Acq: 10 Jul 2019 13:16

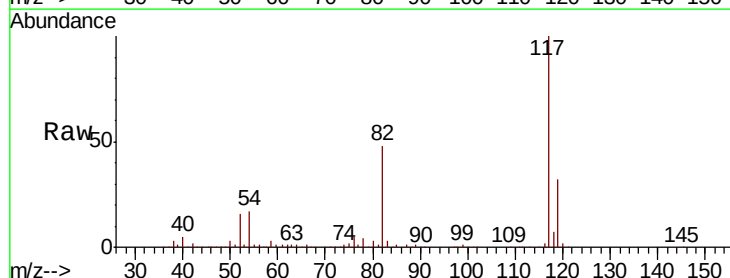
Tgt Ion: 117 Resp: 324948

Ion Ratio Lower Upper

117 100

82 48.2 41.2 61.8

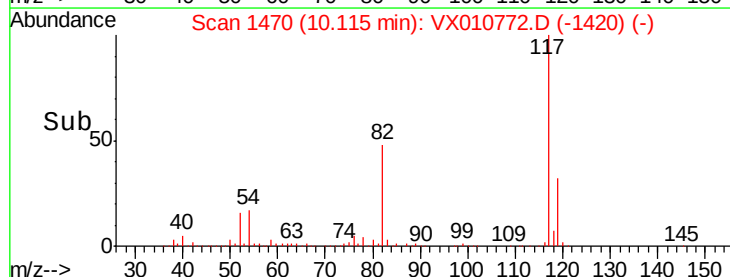
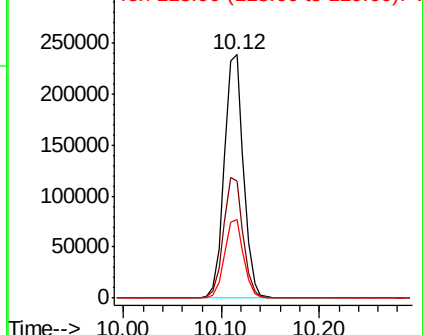
119 32.1 25.5 38.3

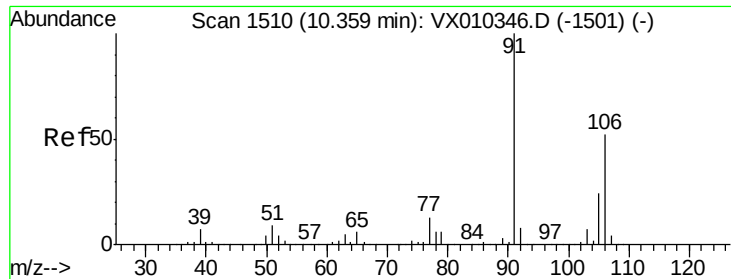


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

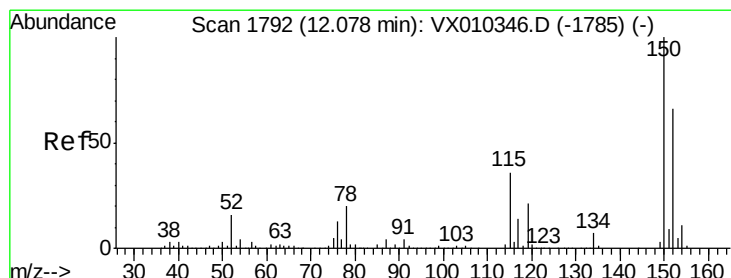
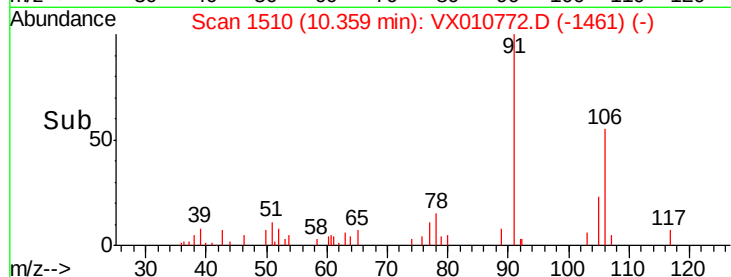
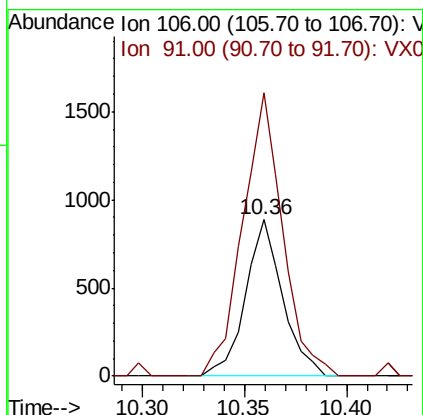
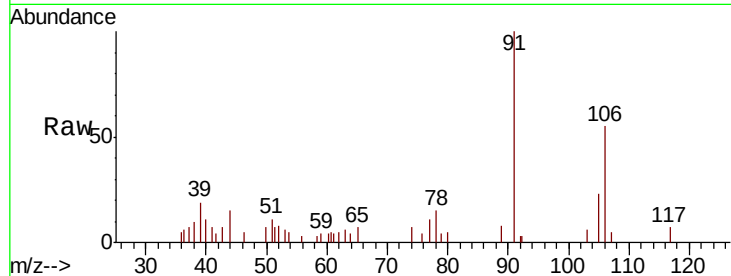




#68
m/p-Xvlenes
Concen: 0.260 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

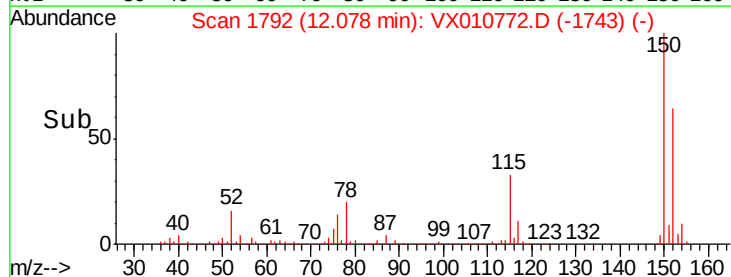
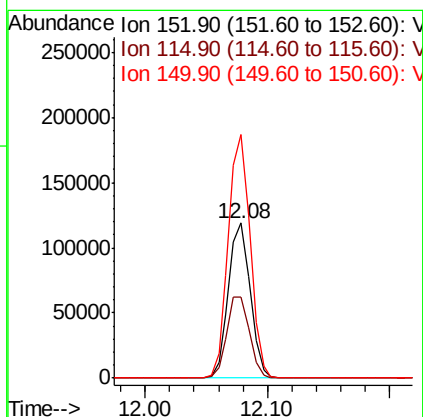
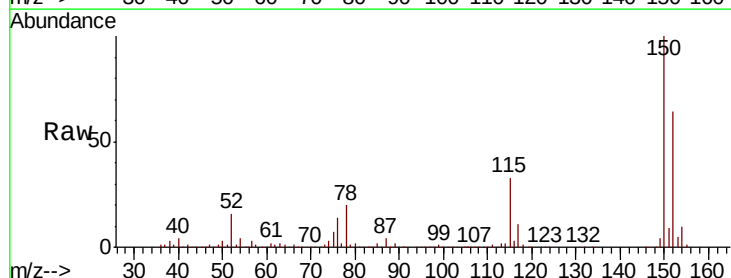
Instrument :
MSVOA_X
ClientSampleId :
FL-0588DL

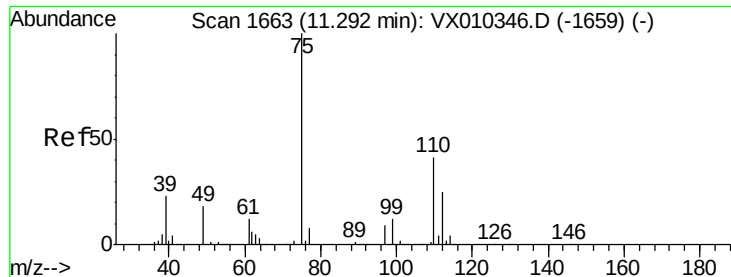
Tot Ion:106 Resp: 1124
Ion Ratio Lower Upper
106 100
91 194.0 155.3 232.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010772.D
Acq: 10 Jul 2019 13:16

Tgt Ion:152 Resp: 146608
Ion Ratio Lower Upper
152 100
115 54.7 38.6 115.7
150 157.6 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.672 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010772.D

Acq: 10 Jul 2019 13:16

Instrument :

MSVOA_X

ClientSampled :

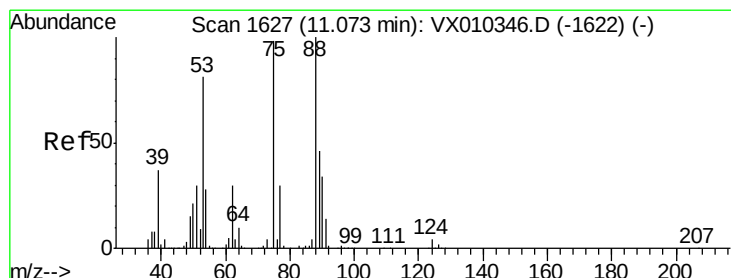
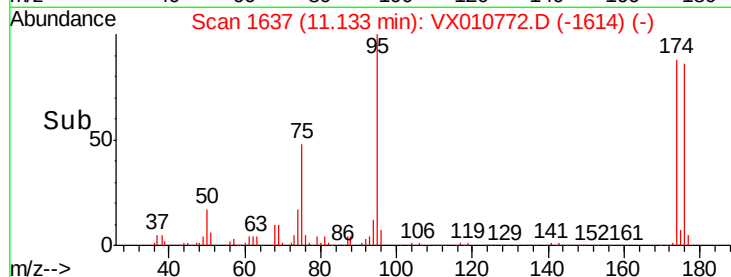
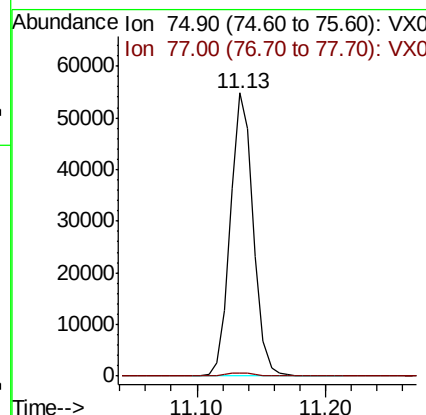
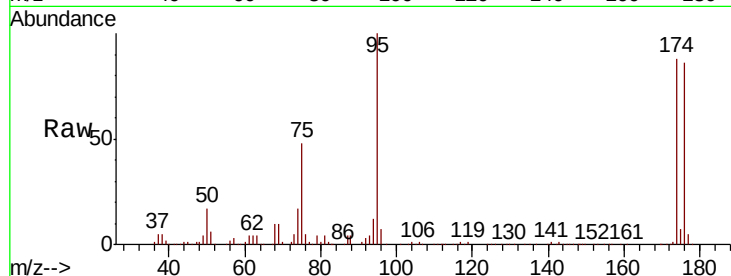
FL-0588DL

Tot Ion: 75 Resp: 68586

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.891 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010772.D

Acq: 10 Jul 2019 13:16

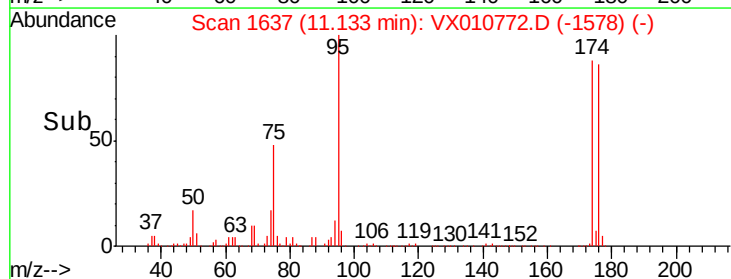
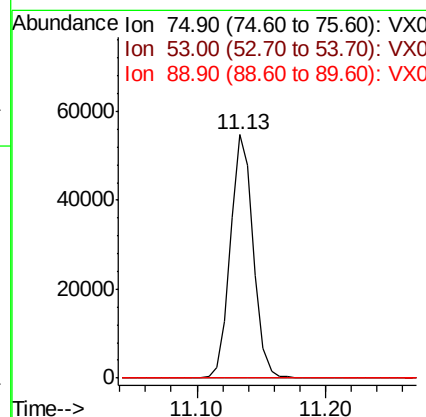
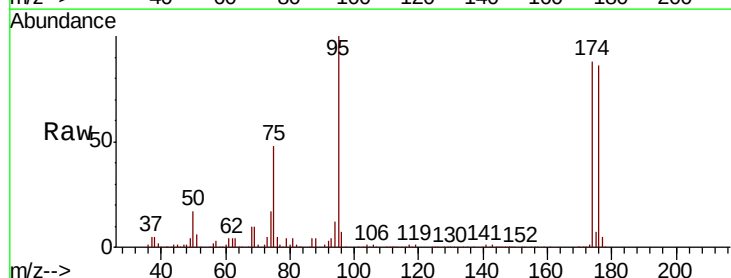
Tgt Ion: 75 Resp: 68586

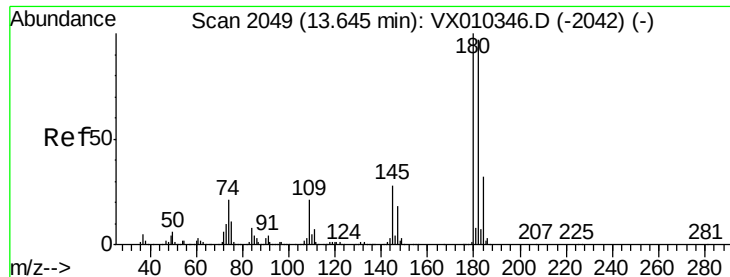
Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

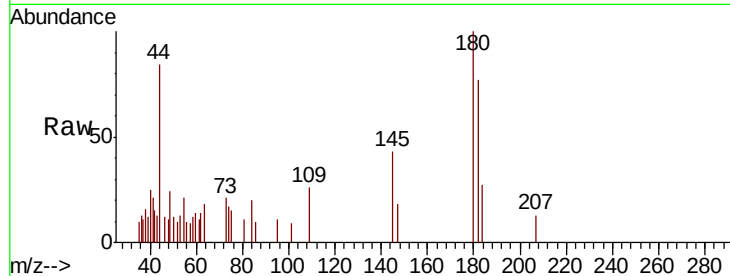




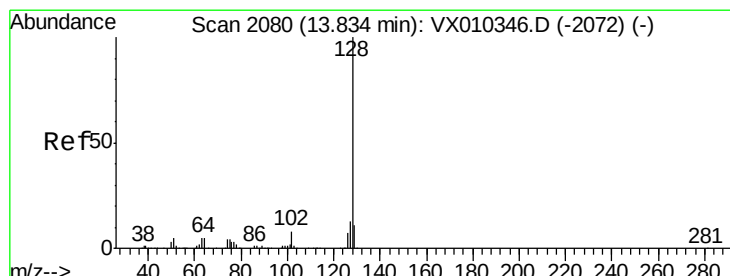
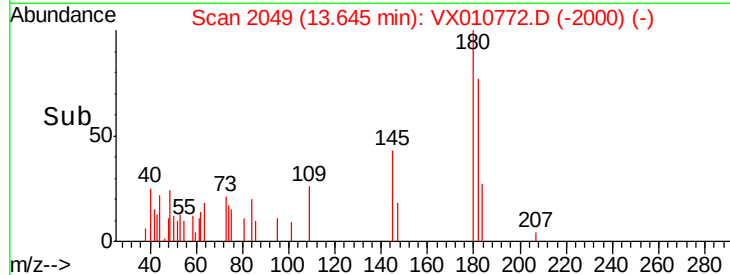
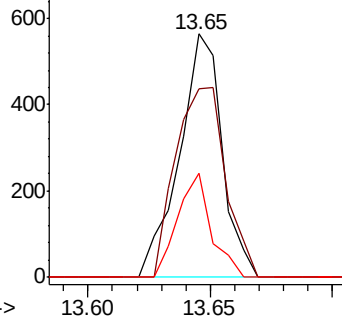
#93
 1,2,4-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010772.D
 Acq: 10 Jul 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0588DL

Tot Ion:180 Resp: 685
 Ion Ratio Lower Upper
 180 100
 182 91.2 48.0 144.0
 145 33.3 14.4 43.4

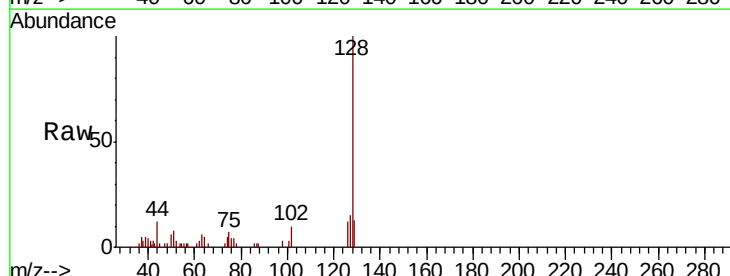


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

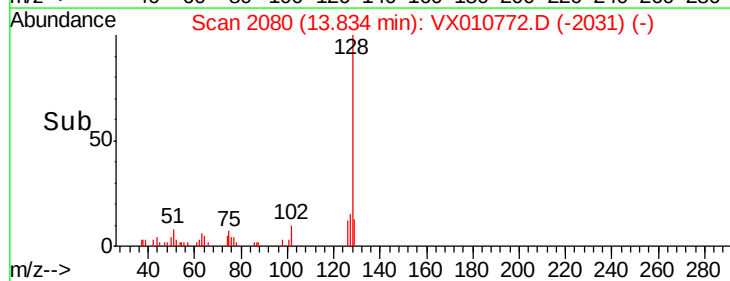
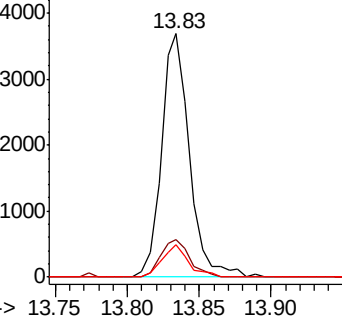


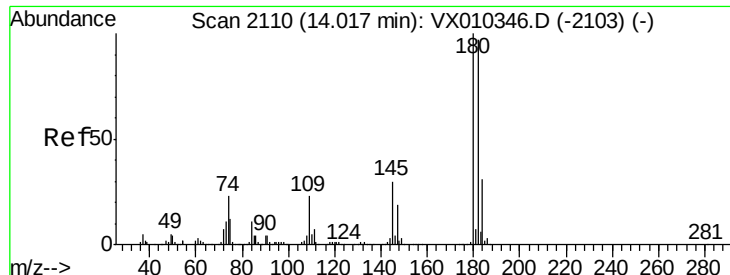
#95
 Naphthalene
 Concen: 0.489 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX010772.D
 Acq: 10 Jul 2019 13:16

Tgt Ion:128 Resp: 5016
 Ion Ratio Lower Upper
 128 100
 127 16.0 10.2 15.4#
 129 12.5 8.9 13.3



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.215 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX010772.D
 Acq: 10 Jul 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0588DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.7	47.8	143.3
145	22.7	15.2	45.6

