

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002919.D
 Acq On : 27 Jun 2018 02:49
 Operator : JC/MD
 Sample : J3707-13 50X
 Misc : 5.64g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:48:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345250	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	177724	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	164761	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	5.51	113	130490	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
50) Toluene-d8	8.72	98	486222	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	11.14	95	168629	43.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.58%	

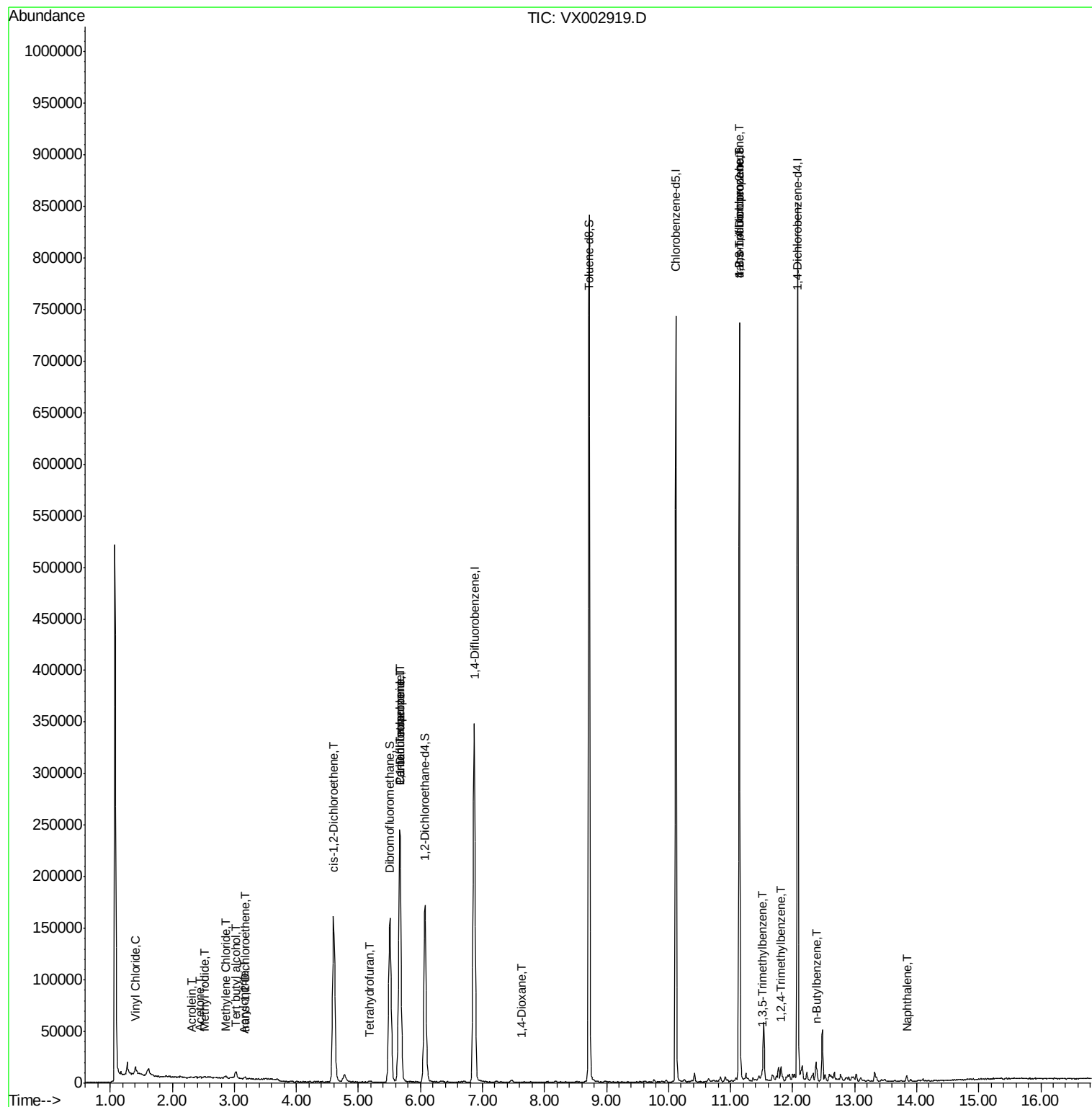
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.26	85	19	Below Cal	#	43
3) Chloromethane	1.32	50	245	Below Cal	#	73
4) Vinyl Chloride	1.40	62	3023	1.09	ug/l	1
5) Bromomethane	1.65	94	1674	Below Cal		97
6) Chloroethane	1.73	64	315	Below Cal	#	37
10) Methyl Iodide	2.53	142	1154	6.59	ug/l	90
11) Tert butyl alcohol	3.02	59	4169	6.17	ug/l	88
13) Acrolein	2.30	56	150	4.62	ug/l	14
15) Acrylonitrile	3.15	53	298	0.21	ug/l	17
16) Acetone	2.45	43	1196	0.85	ug/l	93
20) Methylene Chloride	2.85	84	882	0.32	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	528	0.20	ug/l	72
27) cis-1,2-Dichloroethene	4.60	96	101204	34.24	ug/l	85
29) Tetrahydrofuran	5.18	42	834	0.62	ug/l	79
36) 1,1-Dichloropropene	5.67	75	17239	4.55	ug/l	50
38) Carbon Tetrachloride	5.67	117	22094	5.32	ug/l	16
49) 1,4-Dioxane	7.63	88	19	0.28	ug/l	1
76) 1,2,3-Trichloropropane	11.14	75	89876	27.92	ug/l	33
80) 1,3,5-Trimethylbenzene	11.51	105	3252	0.32	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	89876	78.92	ug/l	7
84) 1,2,4-Trimethylbenzene	11.81	105	4186	0.40	ug/l	99
89) n-Butylbenzene	12.39	91	2636	0.28	ug/l	50
95) Naphthalene	13.84	128	3500	0.29	ug/l	96

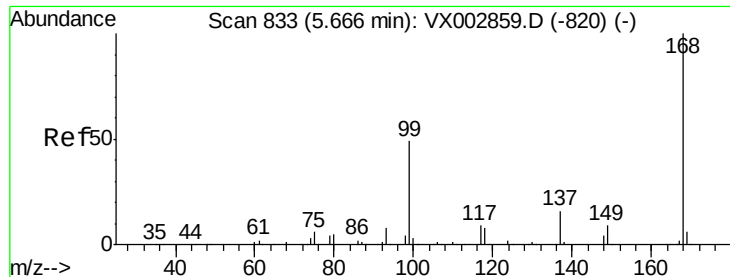
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062618\
Data File : VX002919.D
Acq On : 27 Jun 2018 02:49
Operator : JC/MD
Sample : J3707-13 50X
Misc : 5.64g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Jun 27 04:48:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

Instrument :

MSVOA_X

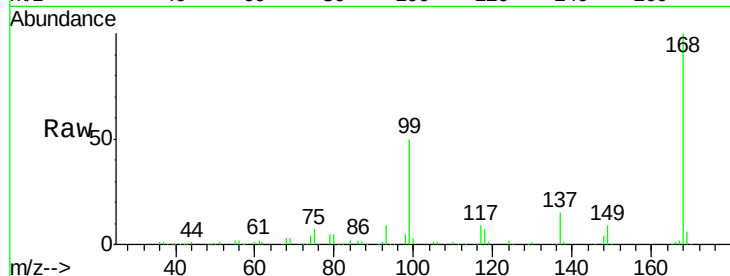
ClientSampled :

Tot Ion:168 Resp: 245439

Ion Ratio Lower Upper

168 100

99 49.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

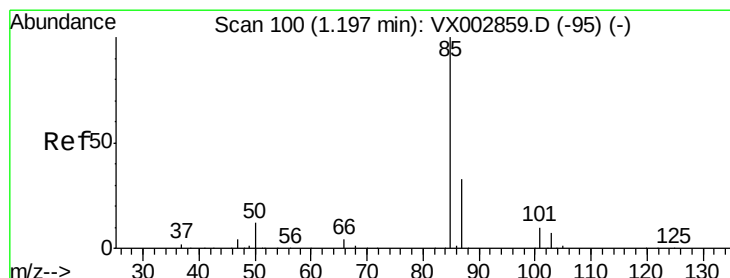
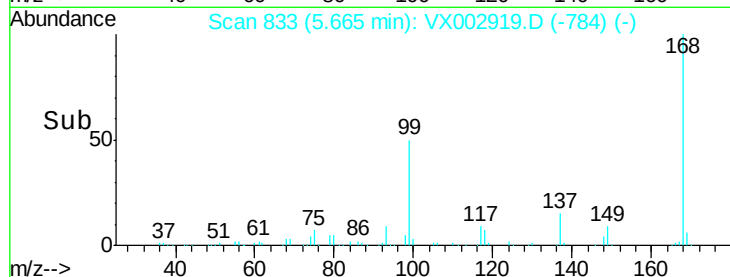
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.26 min Scan# 110

Delta R.T. 0.06 min

Lab File: VX002919.D

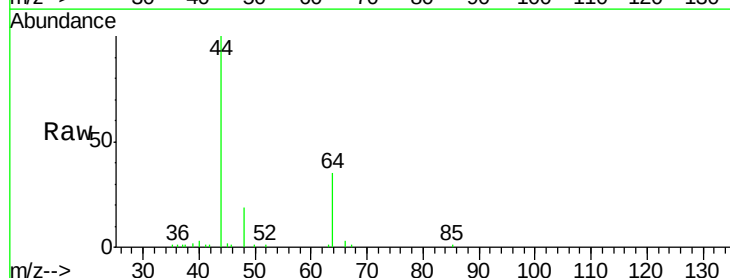
Acq: 27 Jun 2018 02:49

Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.26

60

50

40

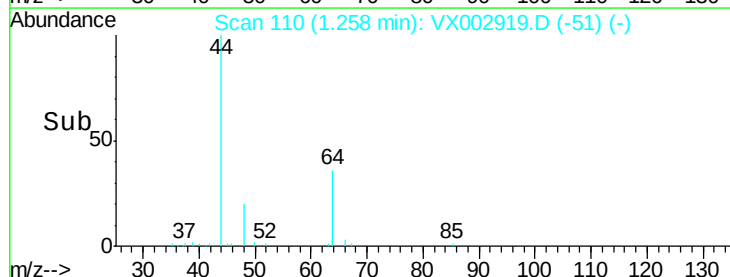
30

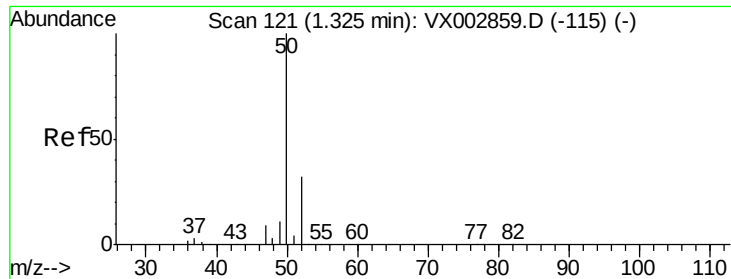
20

10

0

Time--> 1.24 1.25 1.26 1.27





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

Instrument :

MSVOA_X

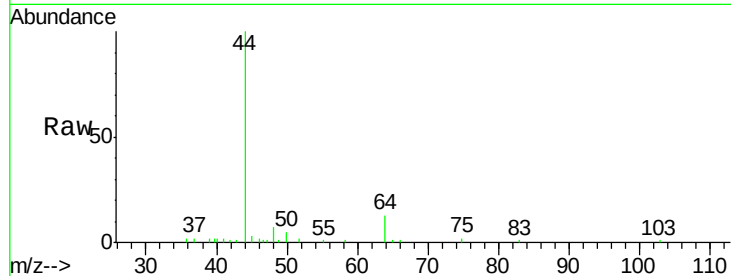
ClientSampled :

Tot Ion: 50 Resp: 245

Ion Ratio Lower Upper

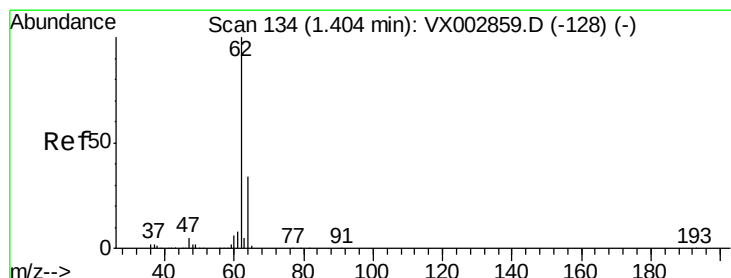
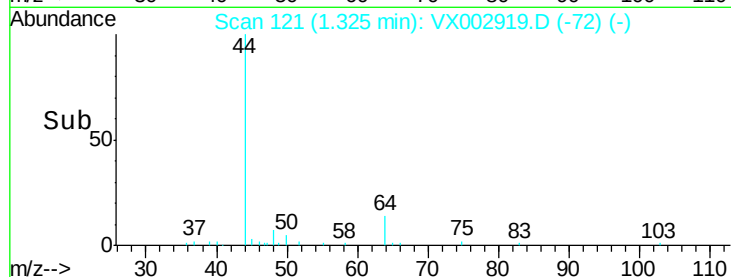
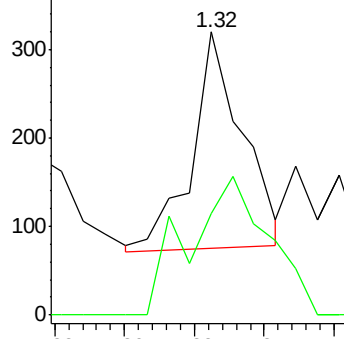
50 100

52 47.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.09 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002919.D

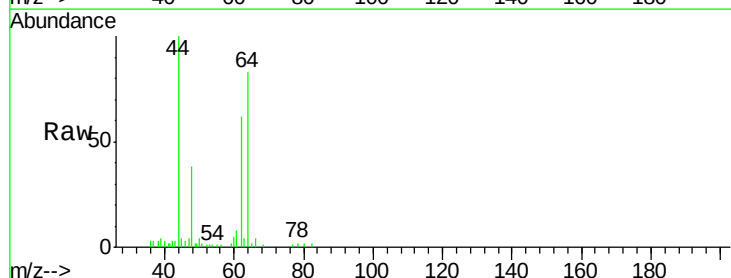
Acq: 27 Jun 2018 02:49

Tgt Ion: 62 Resp: 3023

Ion Ratio Lower Upper

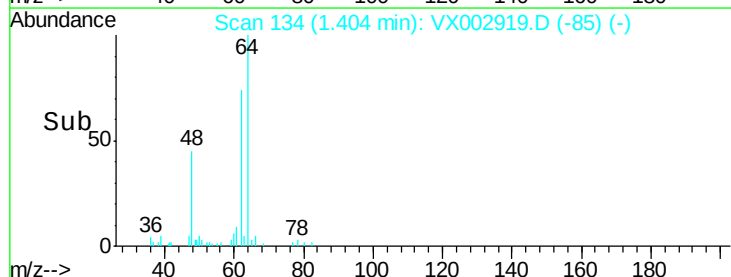
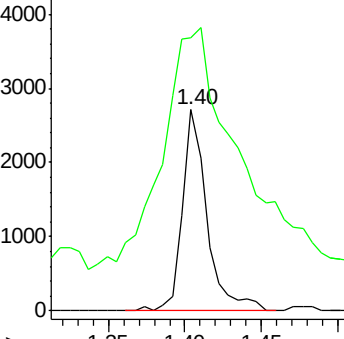
62 100

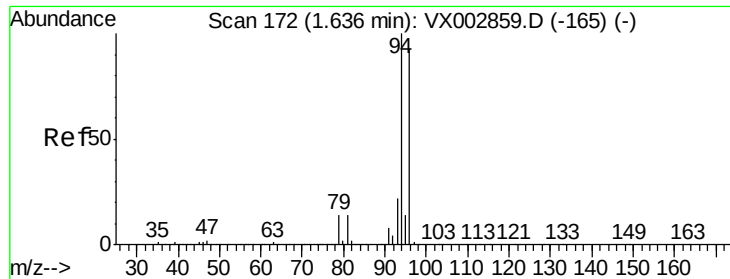
64 101.4 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

Instrument :

MSVOA_X

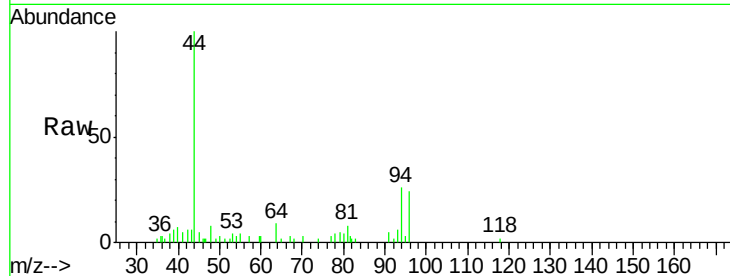
ClientSampleId :

Tot Ion: 94 Resp: 1674

Ion Ratio Lower Upper

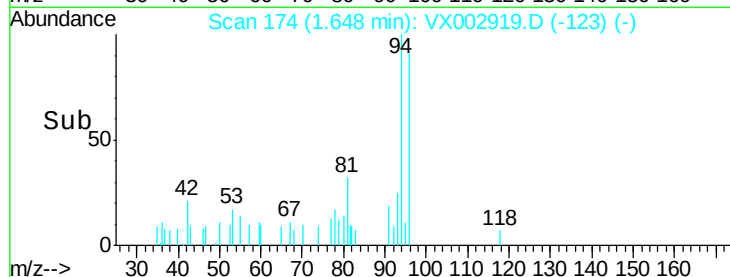
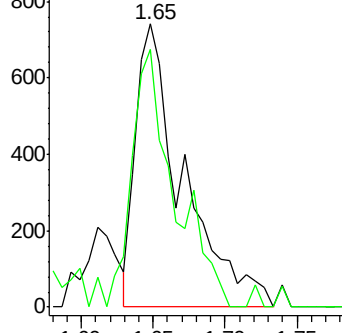
94 100

96 91.1 74.9 112.3

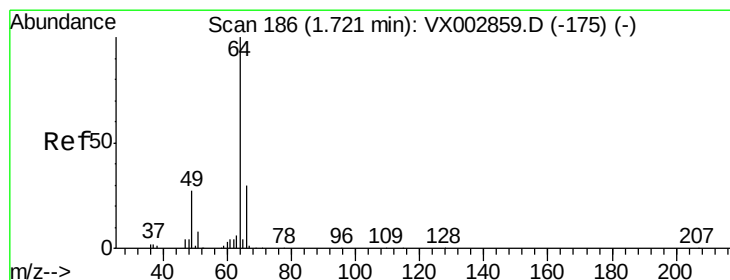


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002919.D

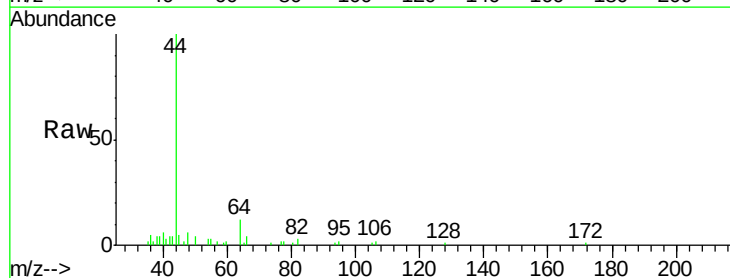
Acq: 27 Jun 2018 02:49

Tgt Ion: 64 Resp: 315

Ion Ratio Lower Upper

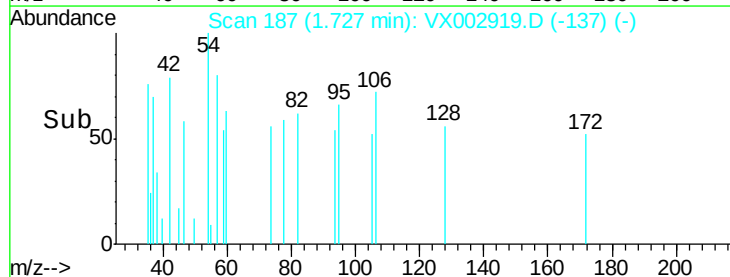
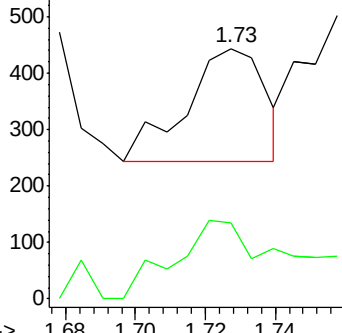
64 100

66 67.0 25.5 38.3#

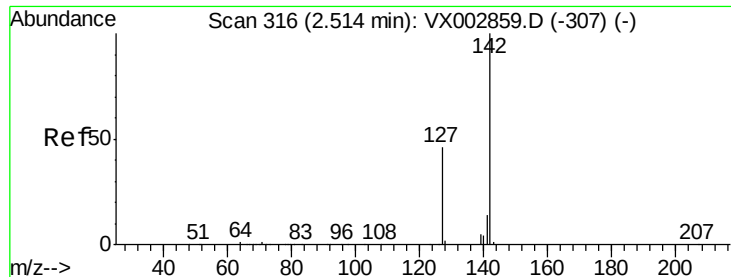


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



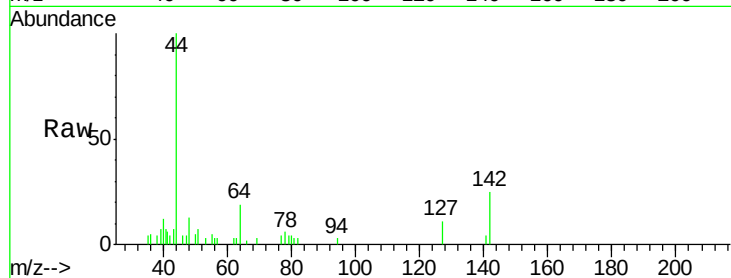
Time-->



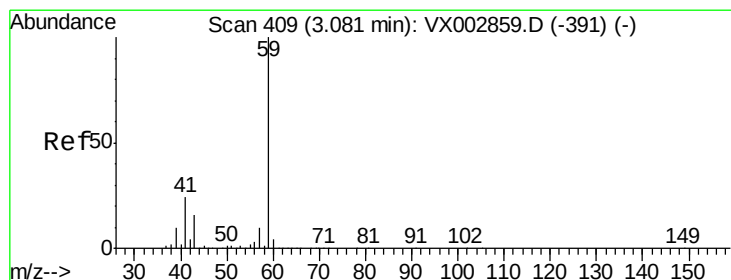
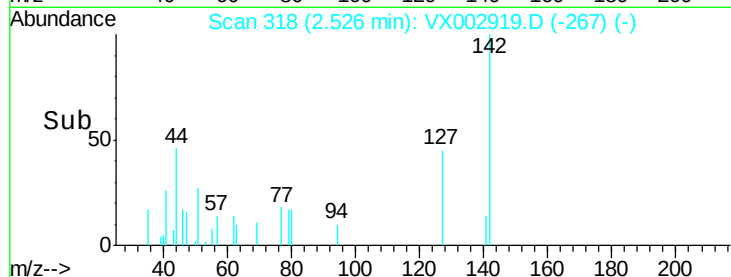
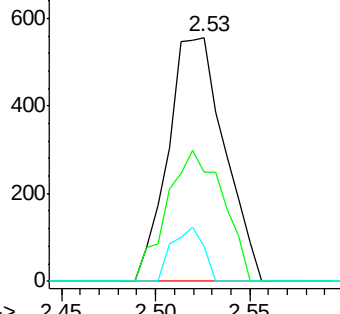
#10
Methyl Iodide
Concen: 6.59 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 1154
Ion Ratio Lower Upper
142 100
127 53.3 36.6 55.0
141 12.2 11.3 16.9

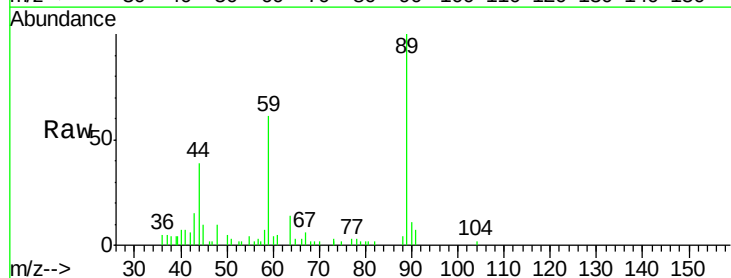


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

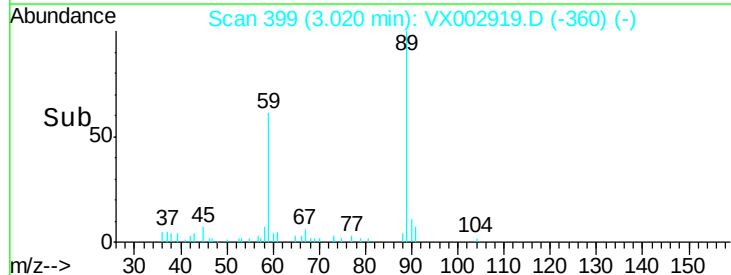
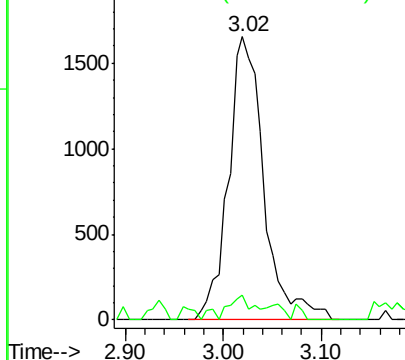


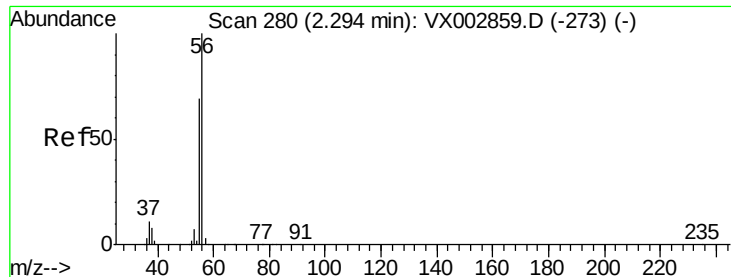
#11
Tert butyl alcohol
Concen: 6.17 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

Tgt Ion: 59 Resp: 4169
Ion Ratio Lower Upper
59 100
57 5.7 8.2 12.2#



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

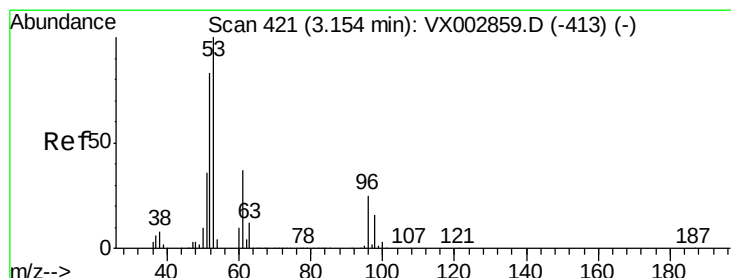
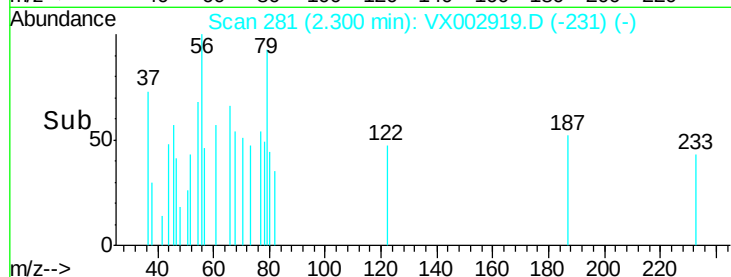
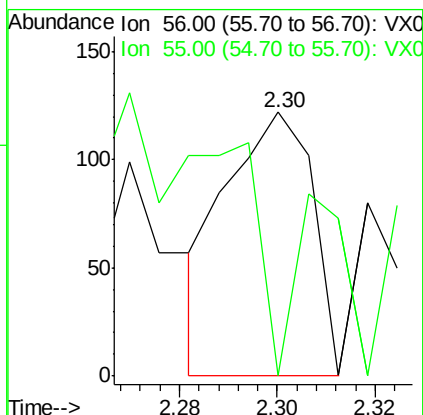
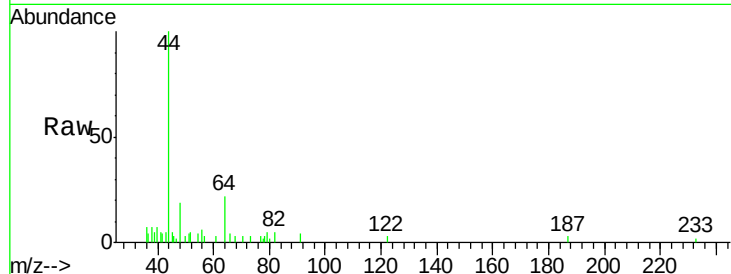




#13
Acrolein
Concen: 4.62 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

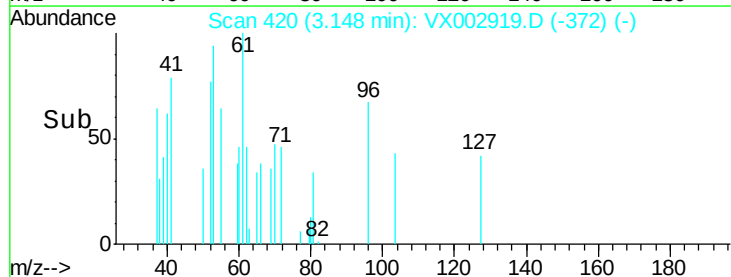
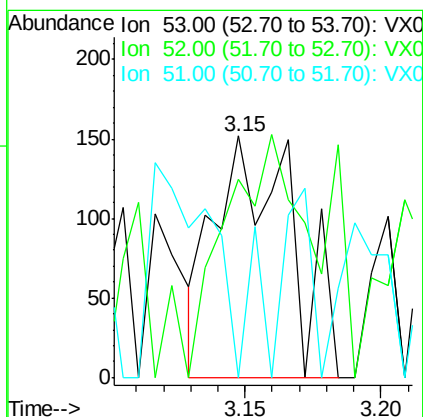
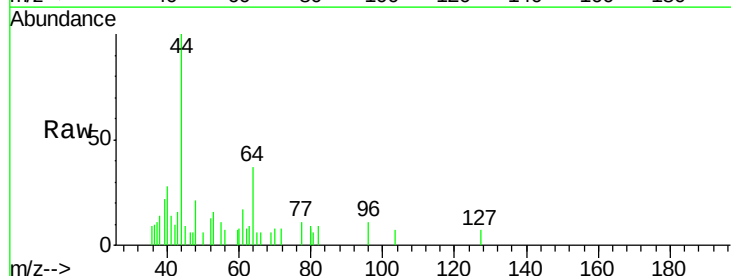
Instrument :
MSVOA_X
ClientSampled :

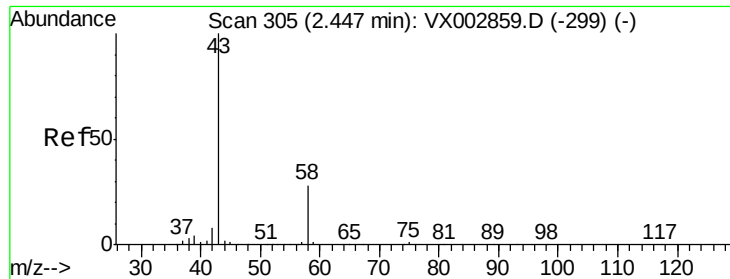
Tot Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#15
Acrylonitrile
Concen: 0.21 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

Tgt Ion: 53 Resp: 298
Ion Ratio Lower Upper
53 100
52 0.0 66.7 100.1#
51 0.0 29.9 44.9#





#16

Acetone

Concen: 0.85 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

Instrument :

MSVOA_X

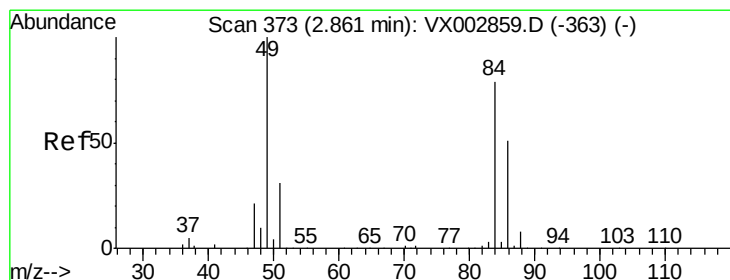
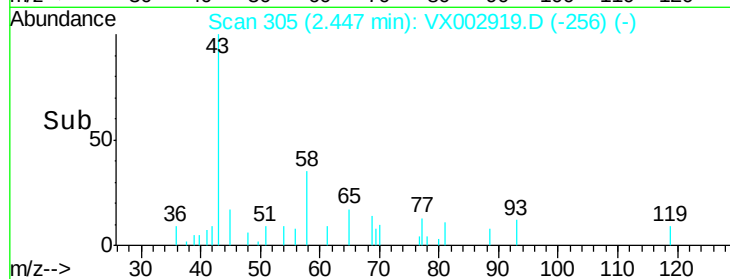
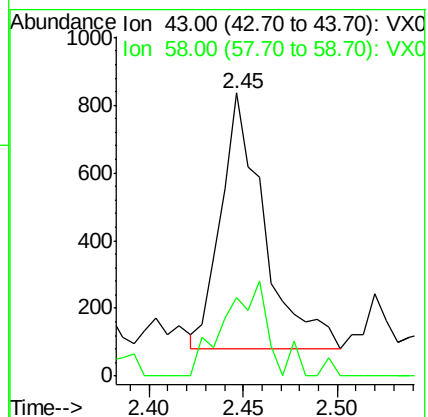
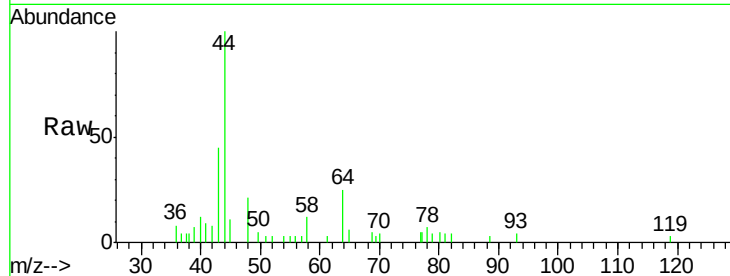
ClientSampled :

Tot Ion: 43 Resp: 1196

Ion Ratio Lower Upper

43 100

58 31.0 22.1 33.1



#20

Methylene Chloride

Concen: 0.32 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

Tgt Ion: 84 Resp: 882

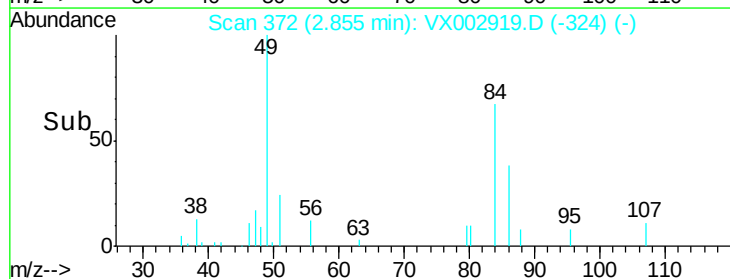
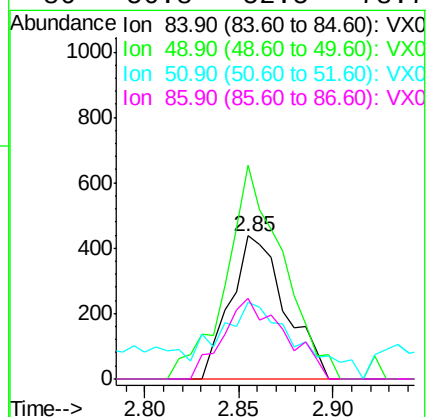
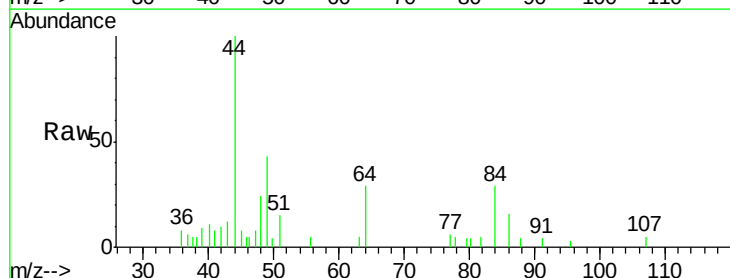
Ion Ratio Lower Upper

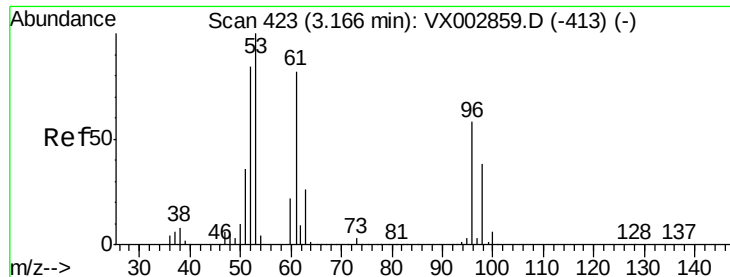
84 100

49 149.4 107.8 161.6

51 41.9 32.8 49.2

86 56.8 52.5 78.7

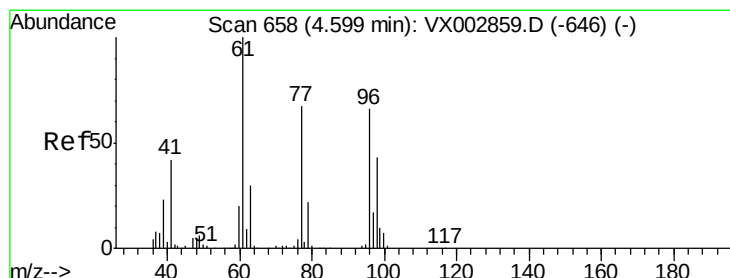
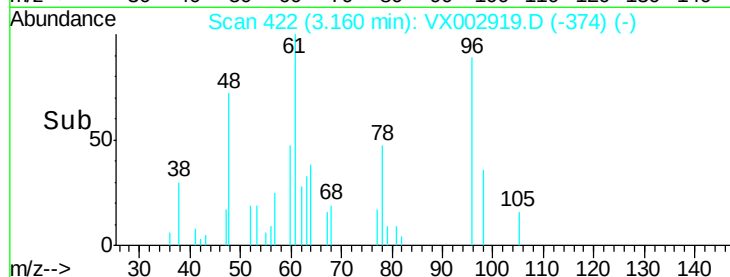
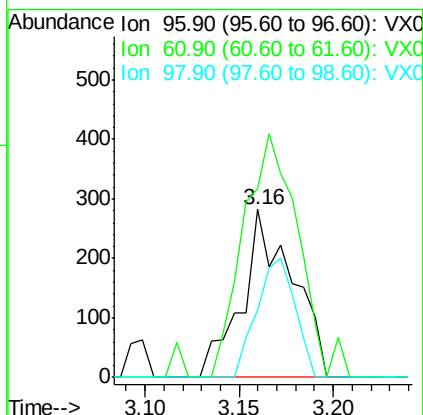
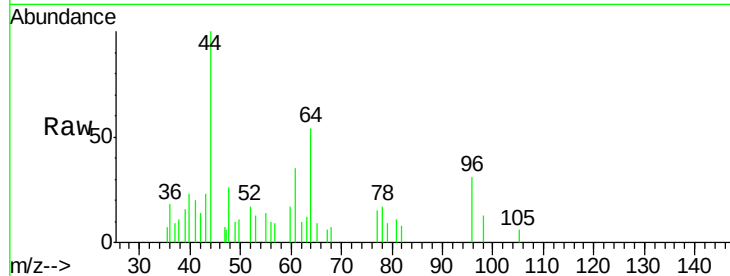




#21
trans-1,2-Dichloroethene
Concen: 0.20 ug/l
RT: 3.16 min Scan# 422
Delta R.T. -0.01 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

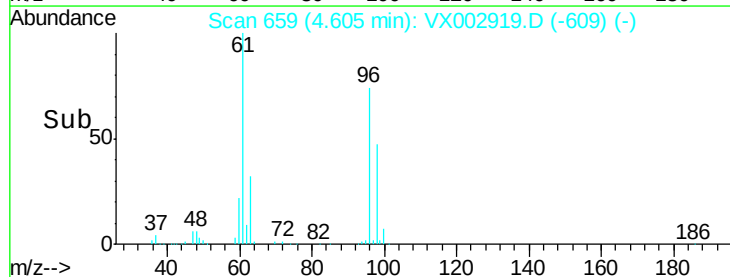
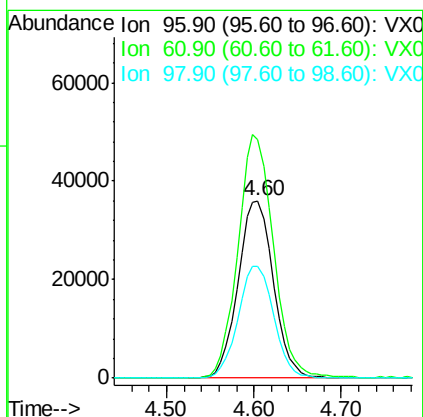
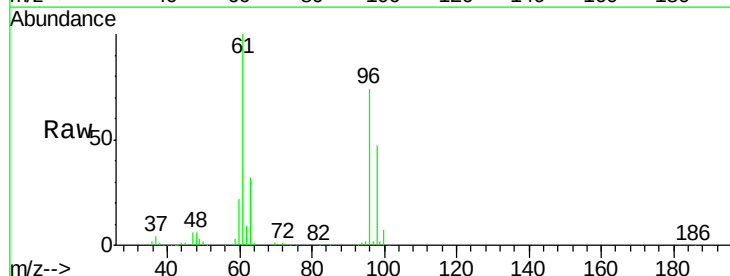
Instrument :
MSVOA_X
ClientSampleId :

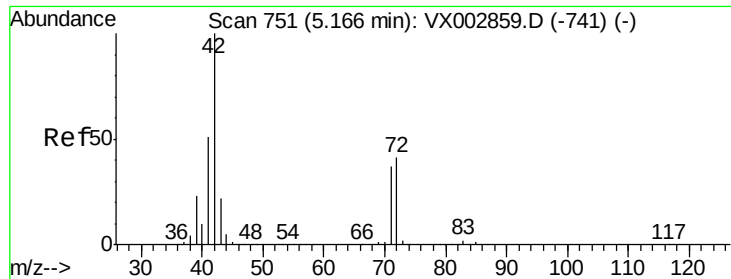
Tot Ion: 96 Resp: 528
Ion Ratio Lower Upper
96 100
61 112.8 117.0 175.4#
98 40.1 52.4 78.6#



#27
cis-1,2-Dichloroethene
Concen: 34.24 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

Tgt Ion: 96 Resp: 101204
Ion Ratio Lower Upper
96 100
61 138.6 0.0 330.2
98 63.9 0.0 130.2

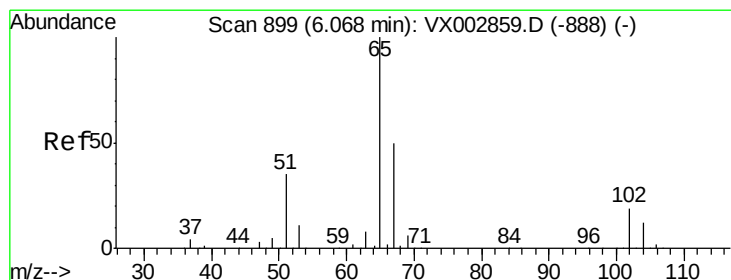
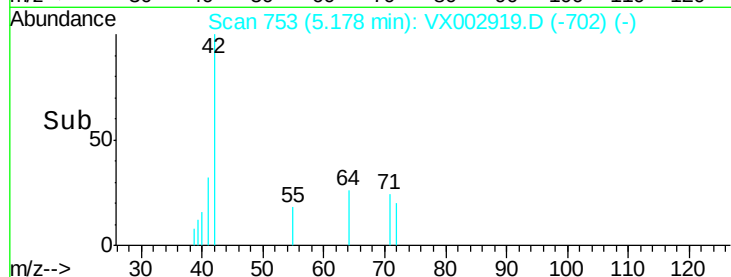
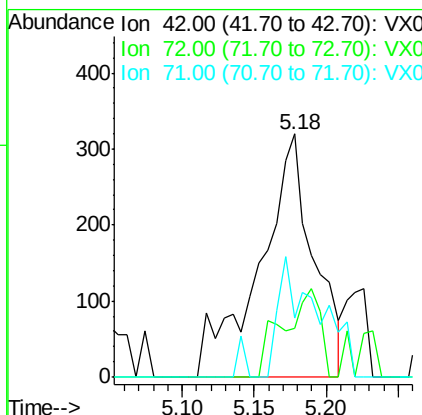
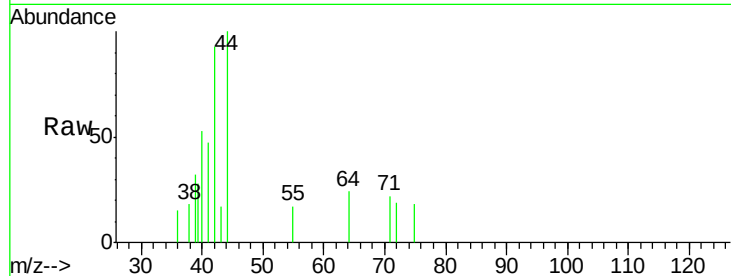




#29
Tetrahydrofuran
Concen: 0.62 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

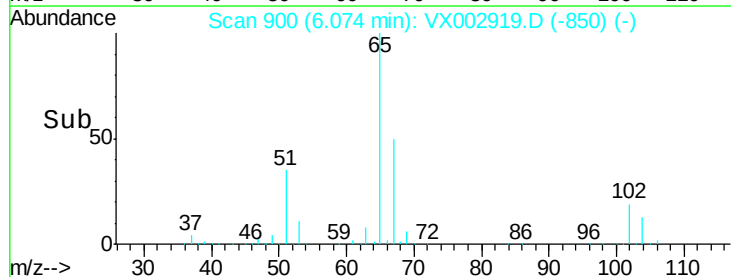
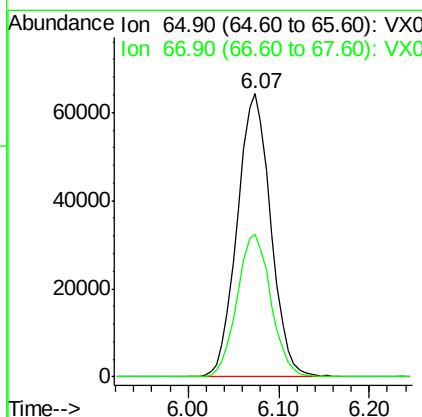
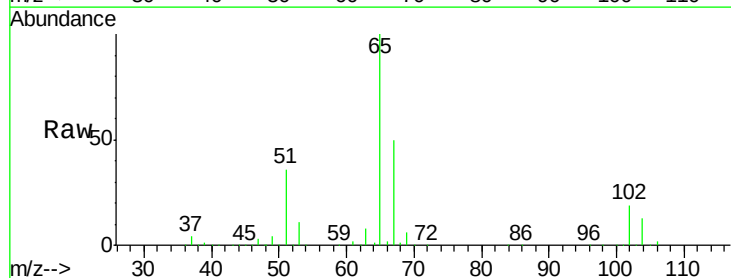
Instrument :
MSVOA_X
ClientSampleId :

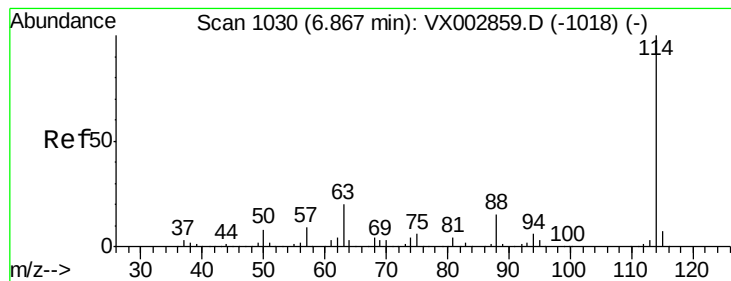
Tot Ion: 42 Resp: 834
Ion Ratio Lower Upper
42 100
72 15.9 32.0 48.0#
71 36.7 30.1 45.1



#33
1,2-Dichloroethane-d4
Concen: 48.57 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

Tgt Ion: 65 Resp: 164761
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

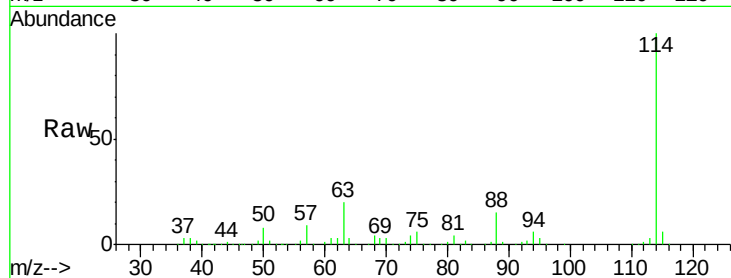
Tot Ion:114 Resp: 345250

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

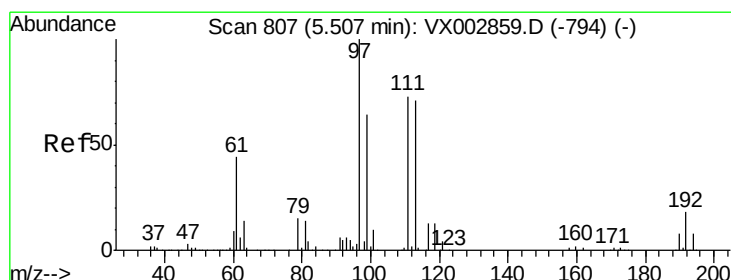
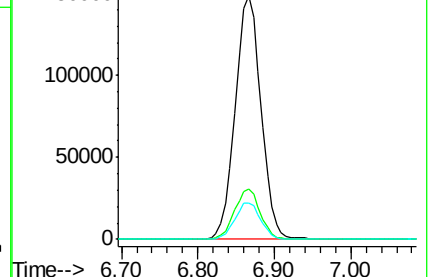
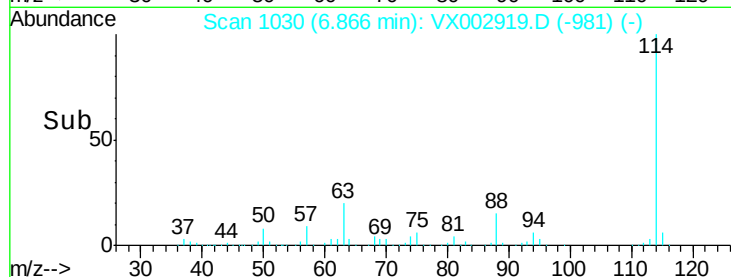
88 15.0 0.0 30.0



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: 47.73 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

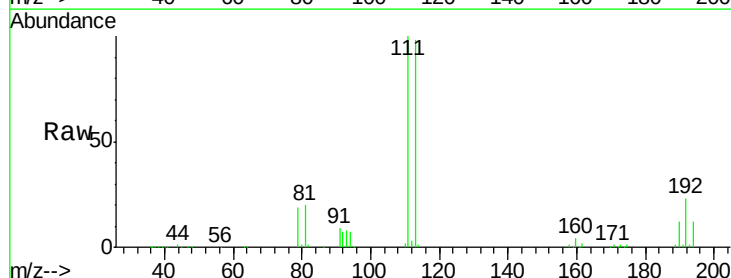
Tgt Ion:113 Resp: 130490

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

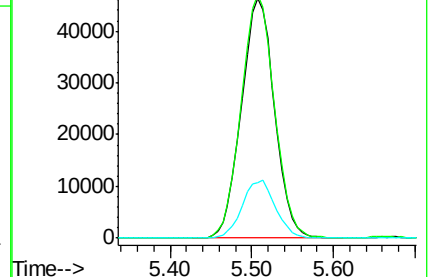
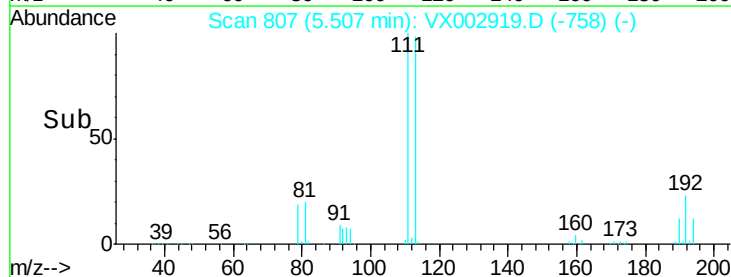
192 24.2 19.1 28.7

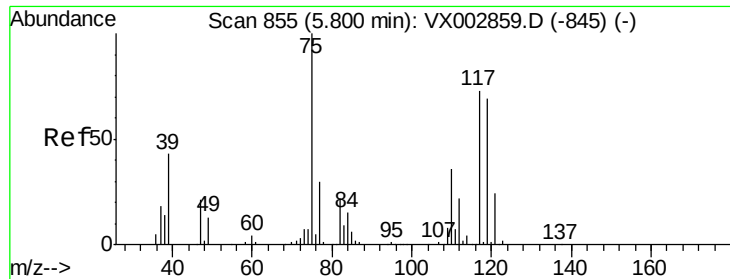


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.55 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

Instrument :
MSVOA_X
ClientSampleId :

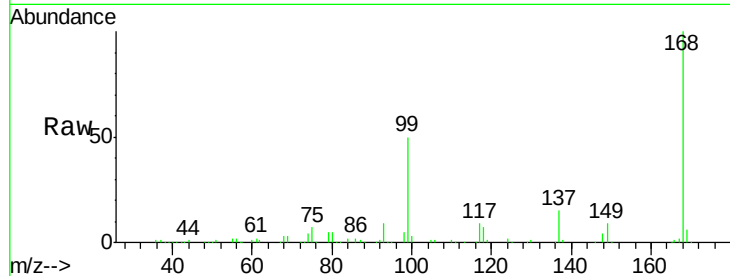
Tot Ion: 75 Resp: 17239

Ion Ratio Lower Upper

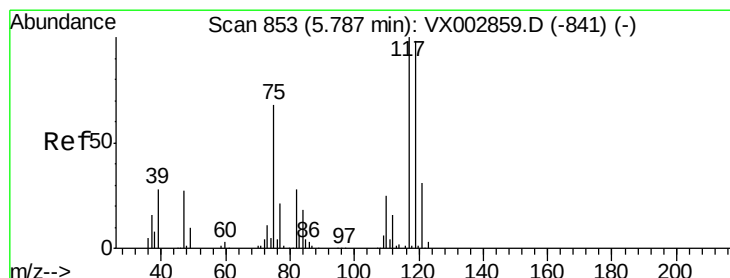
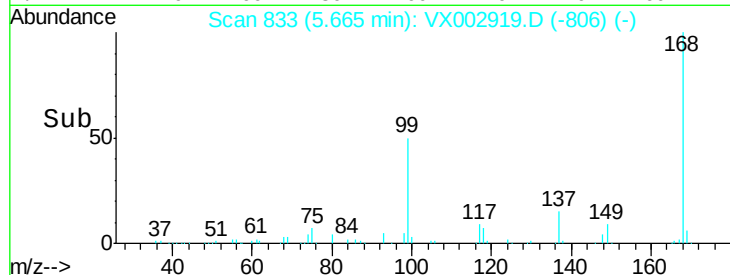
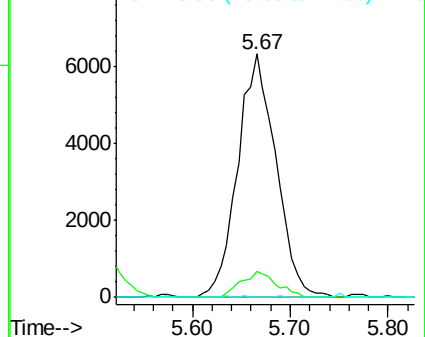
75 100

110 9.8 18.1 54.4#

77 0.1 24.3 36.5#



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: 5.32 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

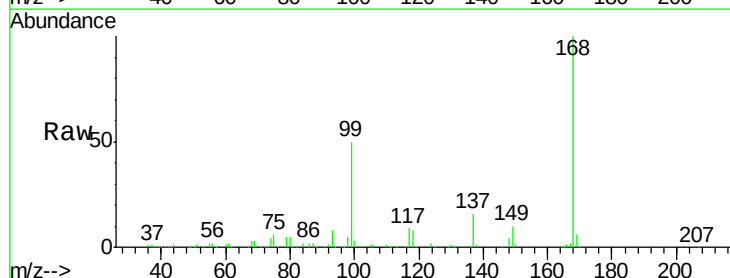
Tgt Ion: 117 Resp: 22094

Ion Ratio Lower Upper

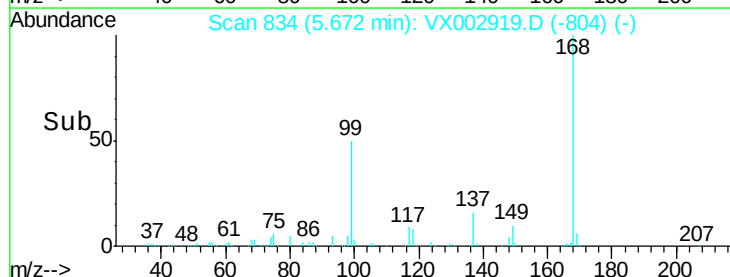
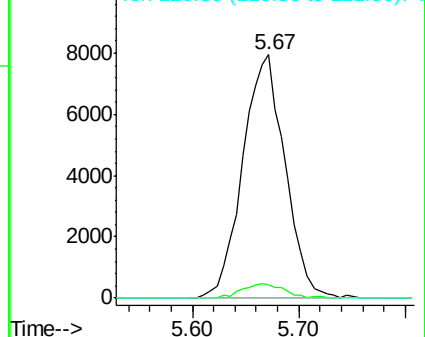
117 100

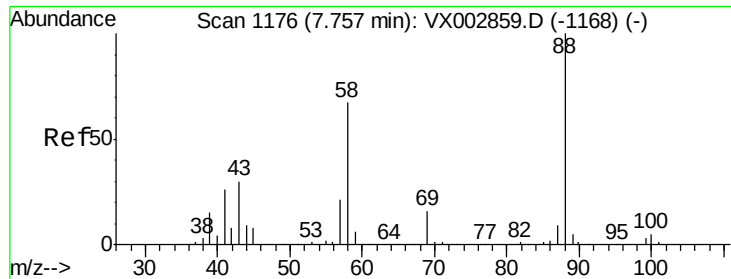
119 5.4 77.4 116.0#

121 0.0 24.4 36.6#



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

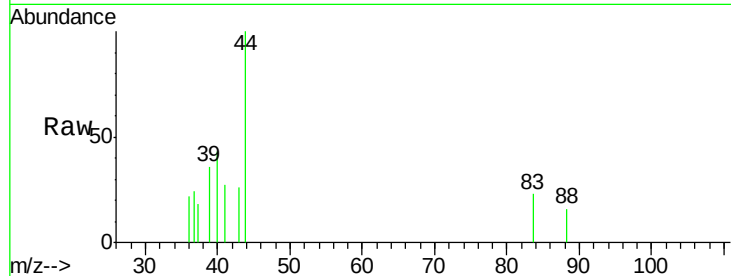




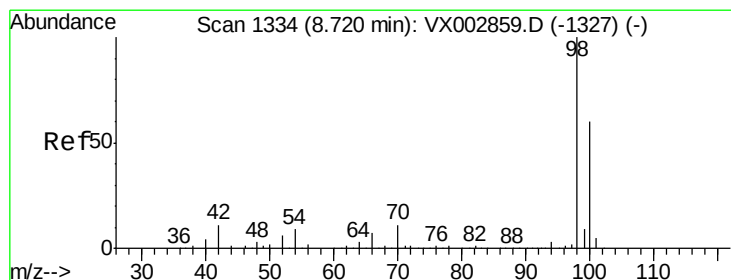
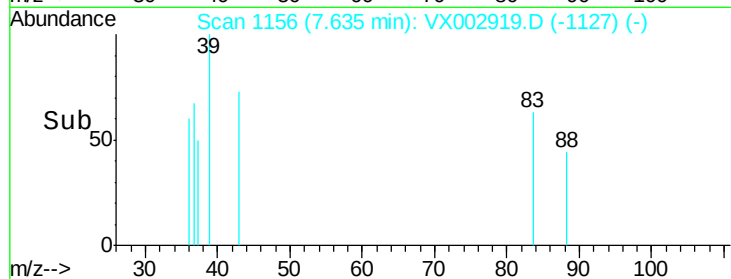
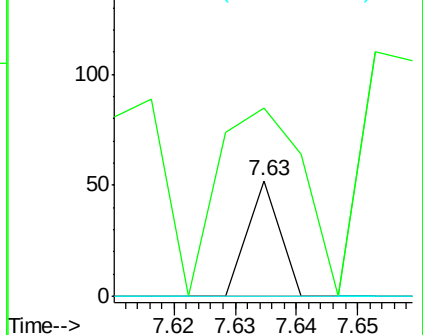
#49
1,4-Dioxane
Concen: 0.28 ug/l
RT: 7.63 min Scan# 1156
Delta R.T. -0.12 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 431.6 29.8 44.6#
58 0.0 57.1 85.7#

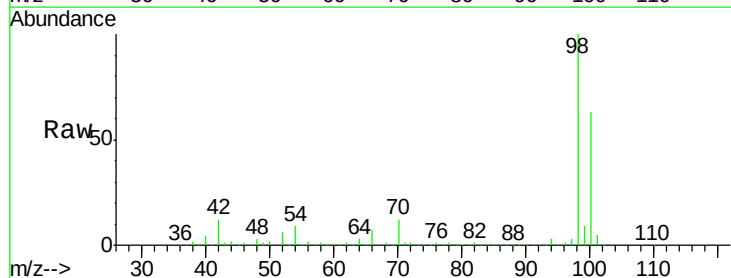


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

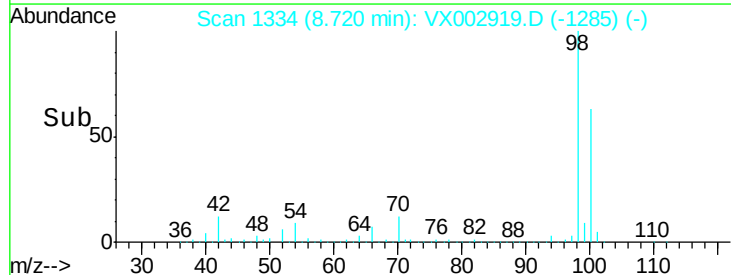
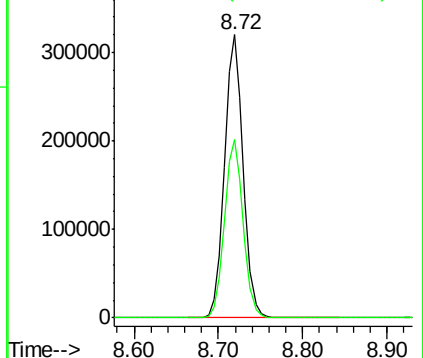


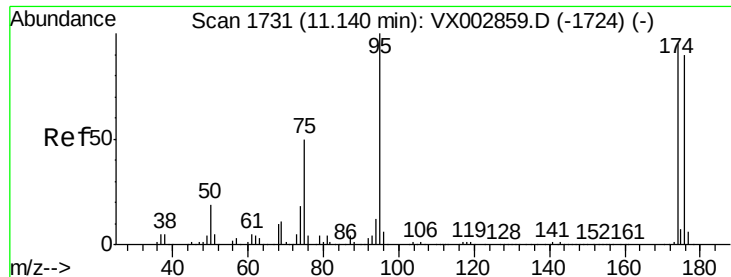
#50
Toluene-d8
Concen: 48.70 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

Tgt Ion: 98 Resp: 486222
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

Instrument :

MSVOA_X

ClientSampleId :

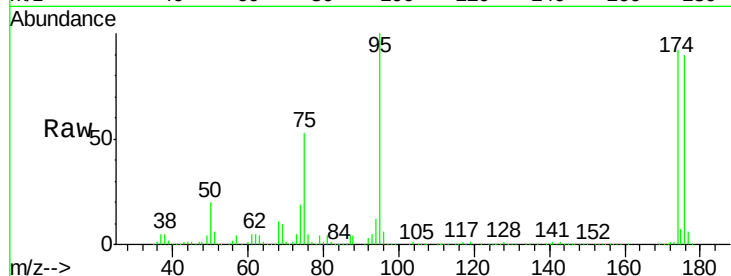
Tot Ion: 95 Resp: 168629

Ion Ratio Lower Upper

95 100

174 96.3 0.0 187.4

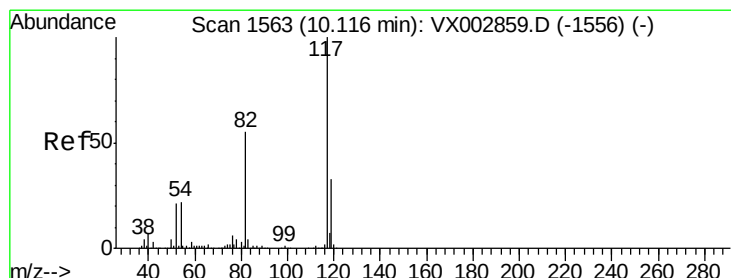
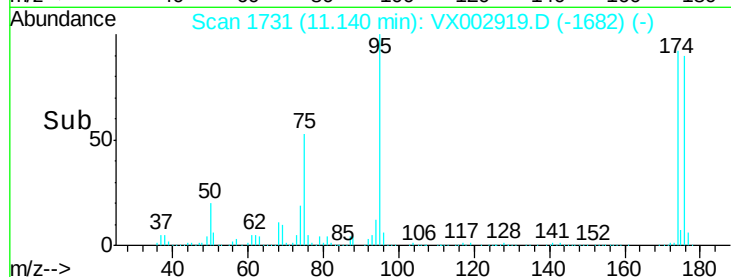
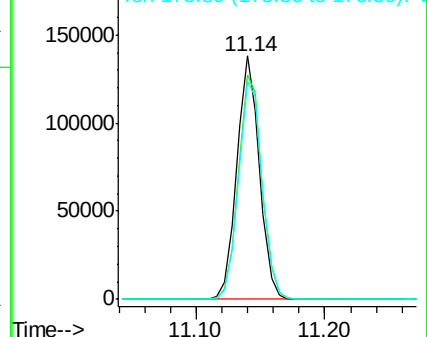
176 94.1 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

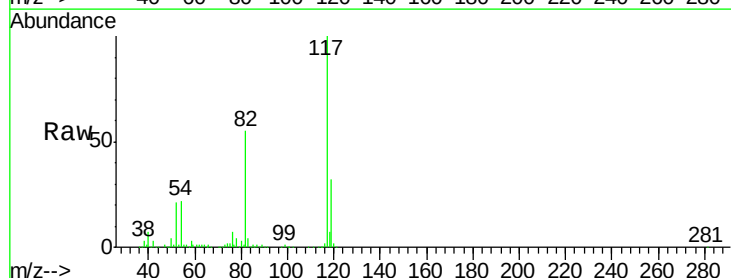
Tgt Ion: 117 Resp: 318030

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.4

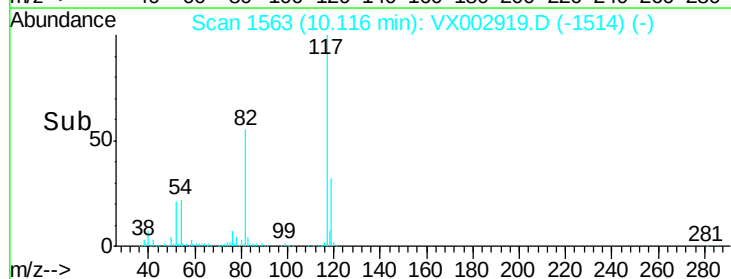
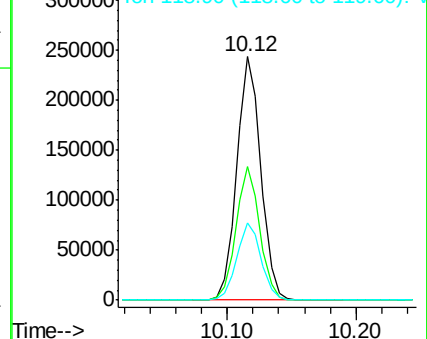
119 32.0 25.8 38.6

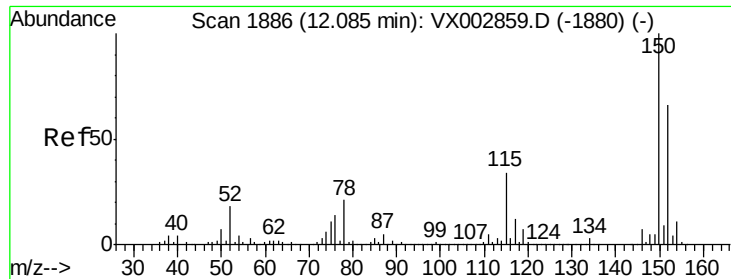


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002919.D

Acq: 27 Jun 2018 02:49

Instrument :

MSVOA_X

ClientSampled :

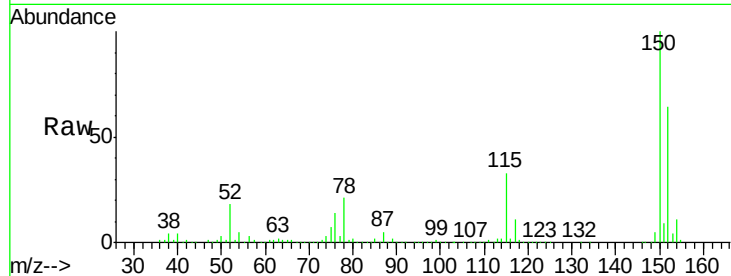
Tot Ion:152 Resp: 177724

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

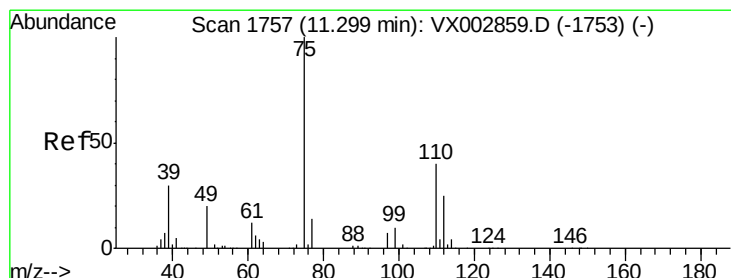
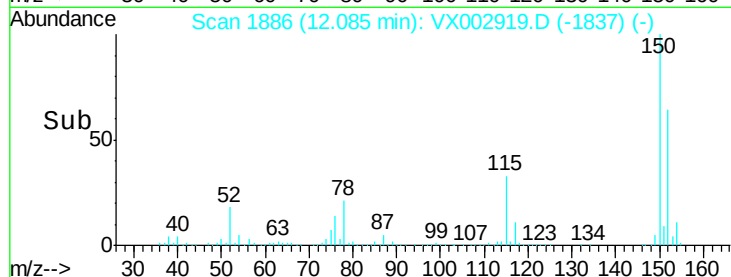
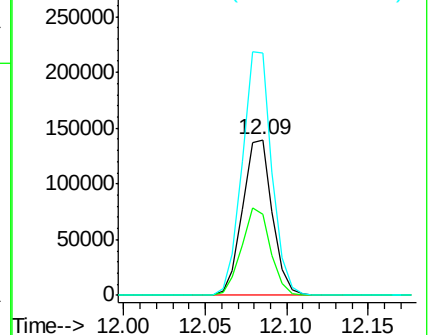
150 155.2 0.0 347.2



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



#76

1,2,3-Trichloropropane

Concen: 27.92 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002919.D

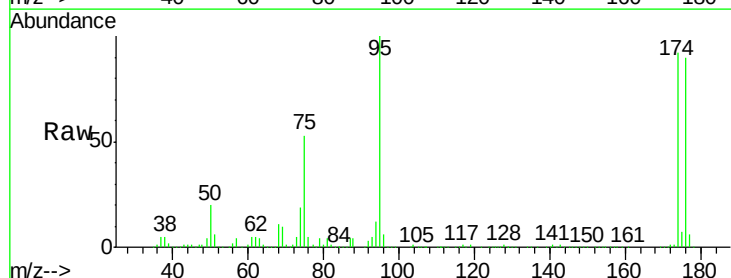
Acq: 27 Jun 2018 02:49

Tgt Ion: 75 Resp: 89876

Ion Ratio Lower Upper

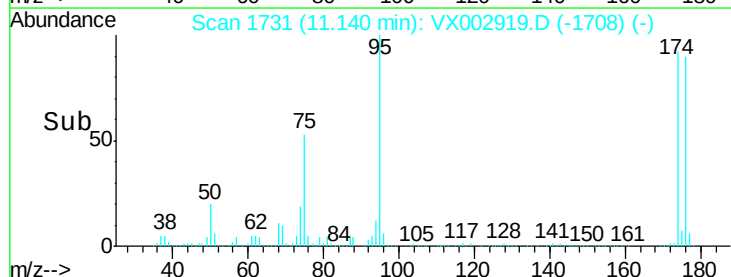
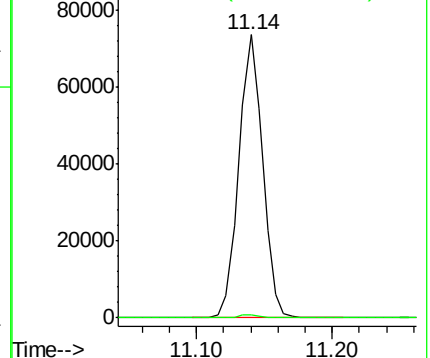
75 100

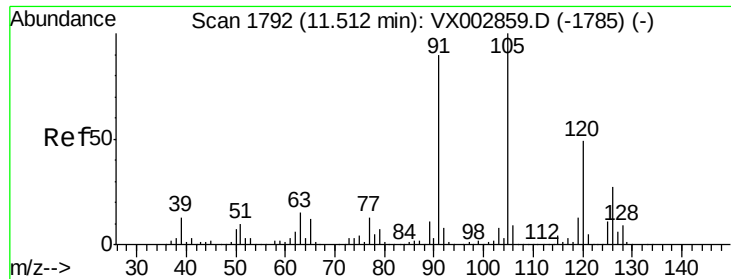
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

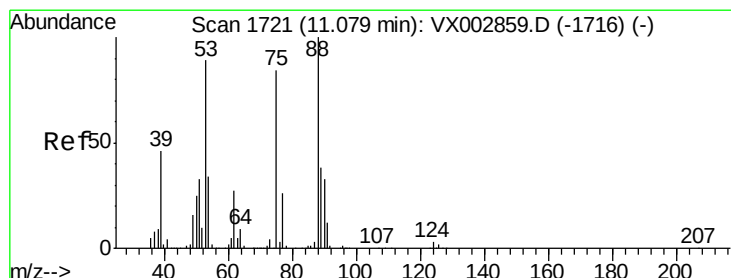
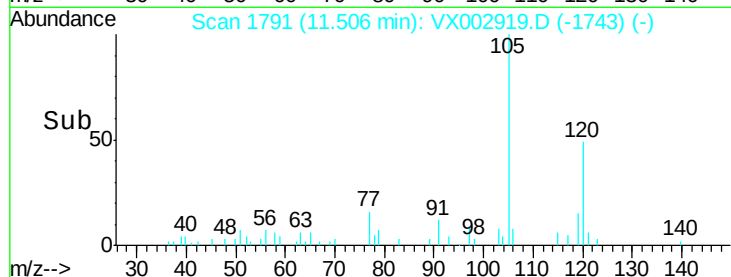
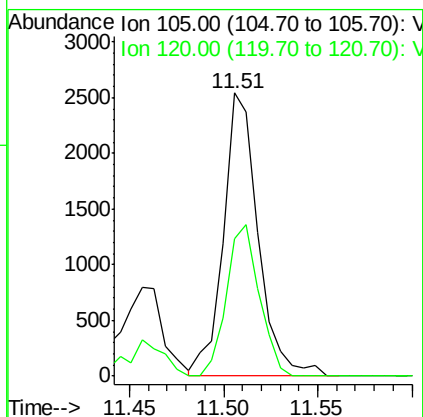
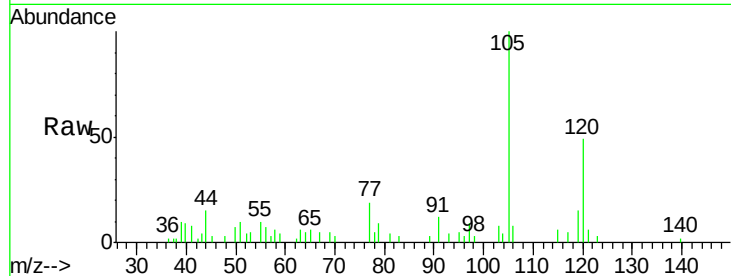




#80
 1,3,5-Trimethylbenzene
 Concen: 0.32 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX002919.D
 Acq: 27 Jun 2018 02:49

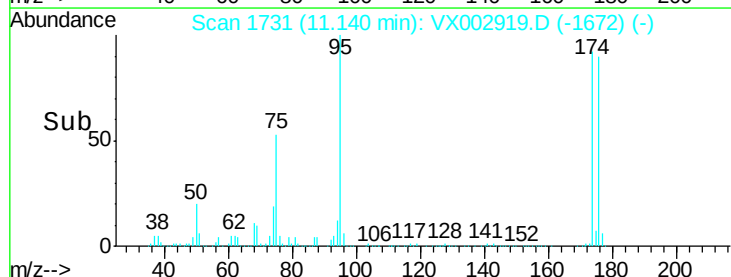
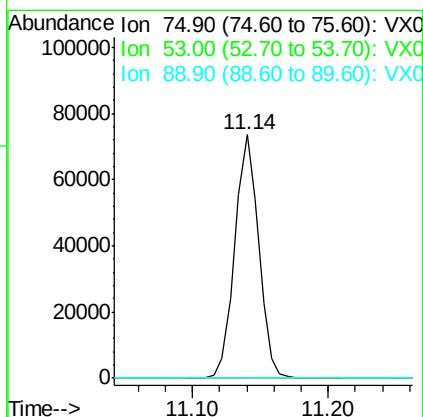
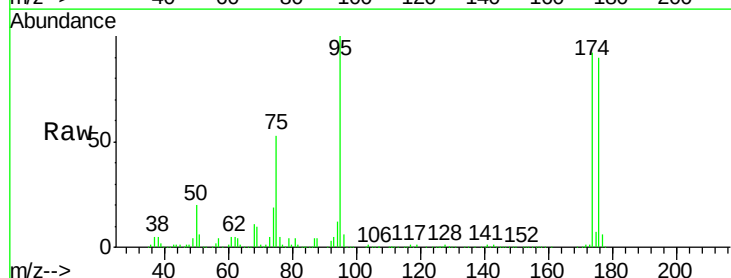
Instrument :
 MSVOA_X
 ClientSampled :

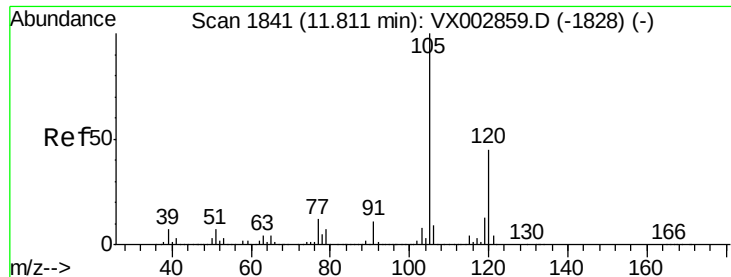
Tot Ion:105 Resp: 3252
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.92 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002919.D
 Acq: 27 Jun 2018 02:49

Tgt Ion: 75 Resp: 89876
 Ion Ratio Lower Upper
 75 100
 53 0.5 86.8 130.2#
 89 0.0 38.2 57.2#

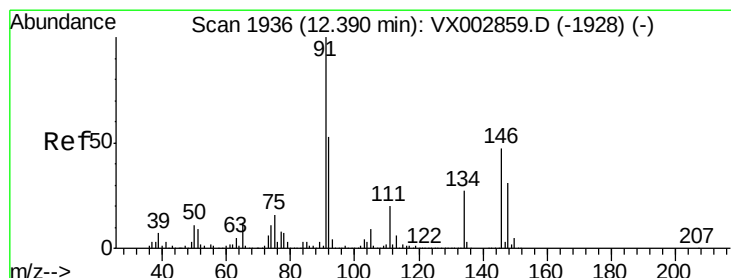
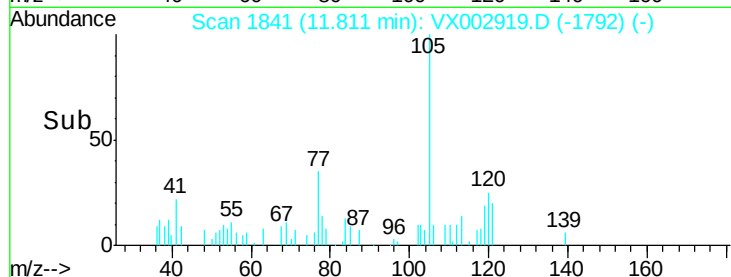
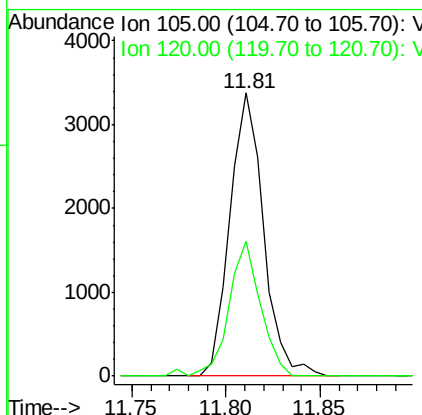
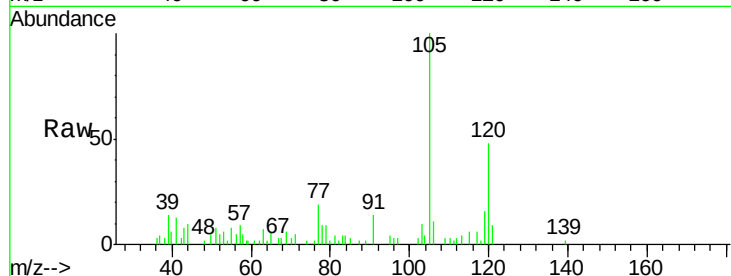




#84
 1,2,4-Trimethylbenzene
 Concen: 0.40 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002919.D
 Acq: 27 Jun 2018 02:49

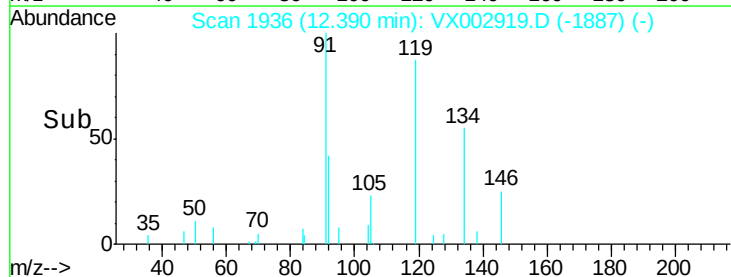
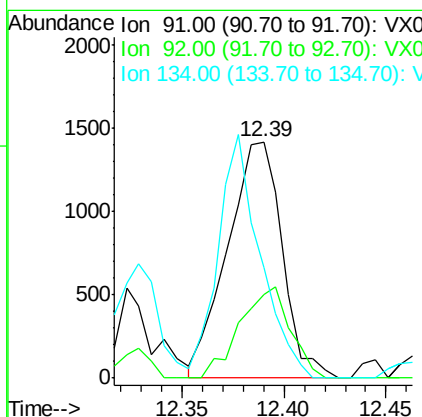
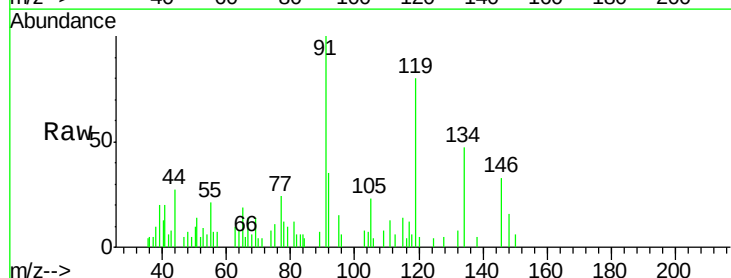
Instrument :
 MSVOA_X
 ClientSampleId :

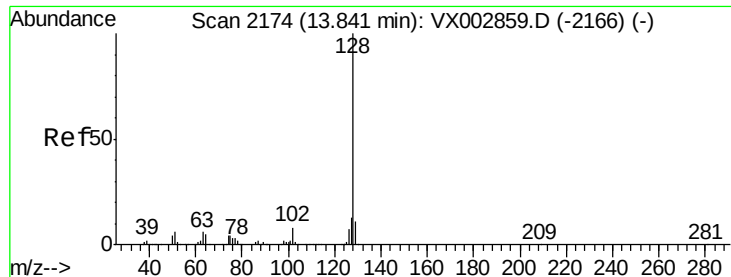
Tot Ion:105 Resp: 4186
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.3 66.8



#89
 n-Butylbenzene
 Concen: 0.28 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX002919.D
 Acq: 27 Jun 2018 02:49

Tgt Ion: 91 Resp: 2636
 Ion Ratio Lower Upper
 91 100
 92 35.6 26.0 78.0
 134 78.8 13.5 40.5#

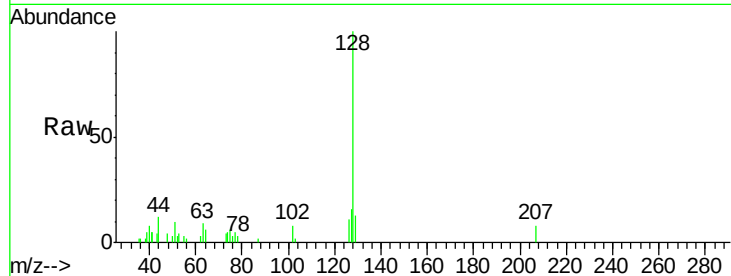




#95
Naphthalene
Concen: 0.29 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002919.D
Acq: 27 Jun 2018 02:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.4	15.6
129	12.7	8.6	13.0



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

