

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010829.D
 Acq On : 12 Jul 2019 12:32
 Operator : JC/SP
 Sample : K3783-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-03-190711

Quant Time: Jul 13 01:37:55 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	5.67	168	207773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	328561	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136526	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	107603	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
35) Dibromofluoromethane	5.50	113	99149	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	8.71	98	391532	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.13	95	130595	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	

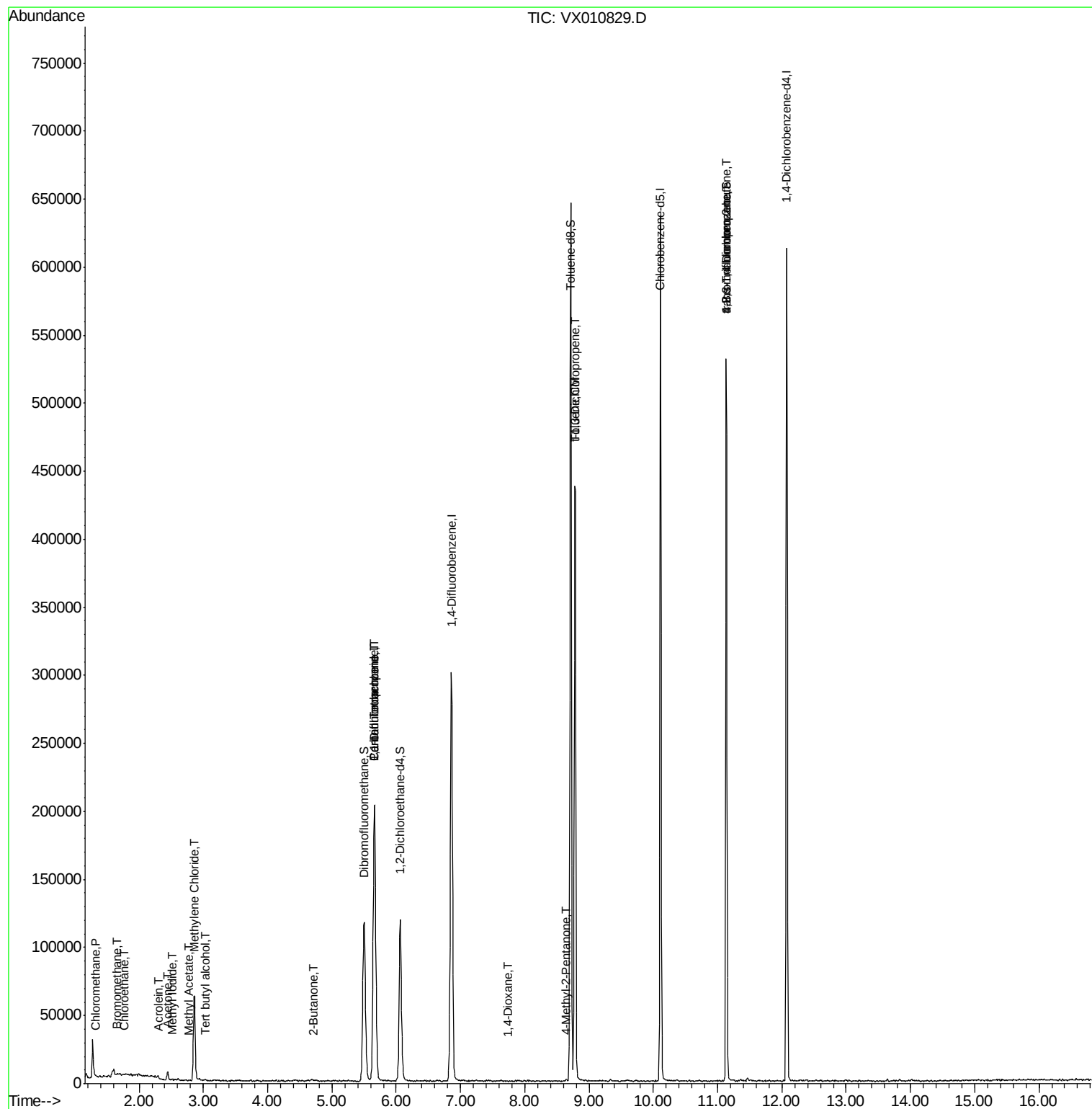
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	574	0.341	ug/l	97
5) Bromomethane	1.65	94	767	0.855	ug/l	92
6) Chloroethane	1.76	64	279	0.257	ug/l #	51
10) Methyl Iodide	2.52	142	776	0.307	ug/l	92
11) Tert butyl alcohol	3.03	59	1017	1.995	ug/l #	74
13) Acrolein	2.29	56	256	0.757	ug/l #	61
16) Acetone	2.45	43	6747	6.911	ug/l #	86
18) Methyl Acetate	2.77	43	460	0.236	ug/l #	71
20) Methylene Chloride	2.86	84	31845	15.850	ug/l	96
25) 2-Butanone	4.71	43	1304	0.911	ug/l #	81
36) 1,1-Dichloropropene	5.66	75	13942	5.340	ug/l #	48
38) Carbon Tetrachloride	5.66	117	18935	6.697	ug/l #	16
49) 1,4-Dioxane	7.74	88	27	0.454	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	774	0.272	ug/l	96
52) Toluene	8.79	92	173931	32.470	ug/l	98
53) t-1,3-Dichloropropene	8.78	75	2007	0.663	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	64197	25.804	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	64197	60.198	ug/l #	16

(#) = 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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010829.D

Acq: 12 Jul 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

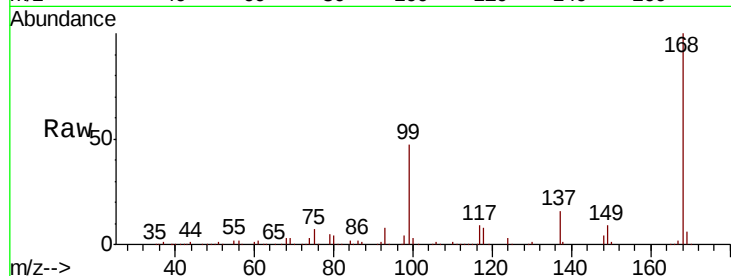
EB-03-190711

Tot Ion:168 Resp: 207773

Ion Ratio Lower Upper

168 100

99 47.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

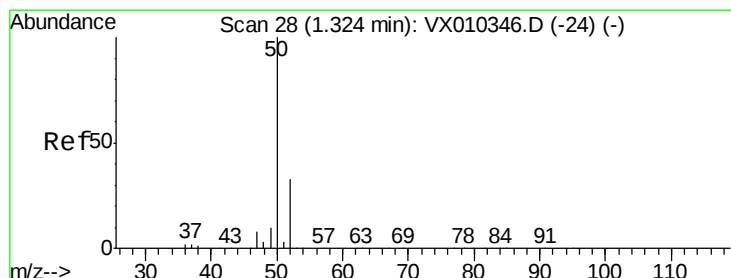
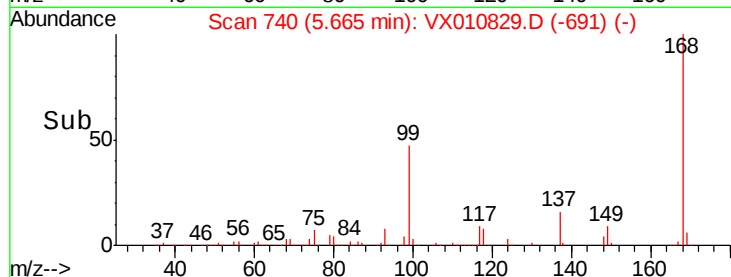
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.341 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010829.D

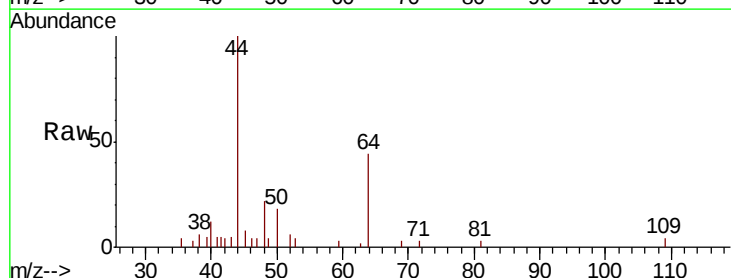
Acq: 12 Jul 2019 12:32

Tgt Ion: 50 Resp: 574

Ion Ratio Lower Upper

50 100

52 34.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

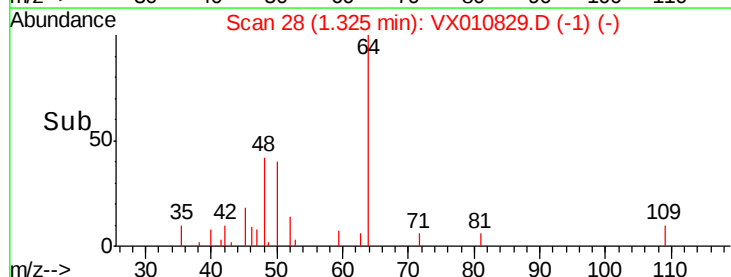
200

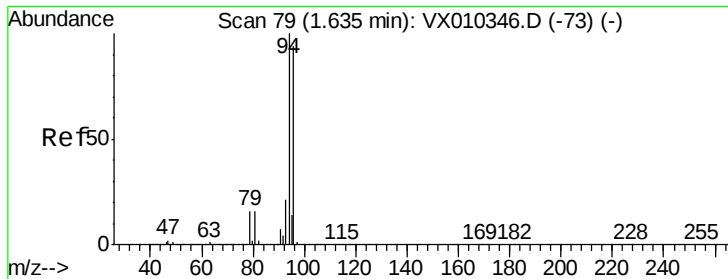
100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: 0.855 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010829.D

Acq: 12 Jul 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

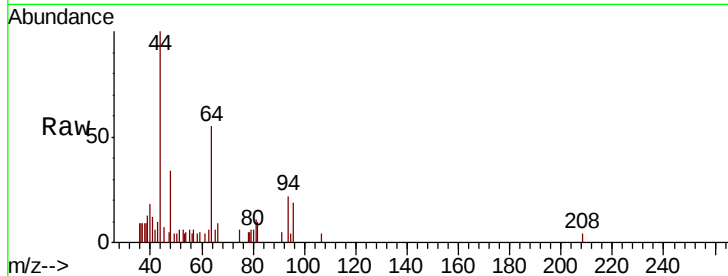
EB-03-190711

Tot Ion: 94 Resp: 767

Ion Ratio Lower Upper

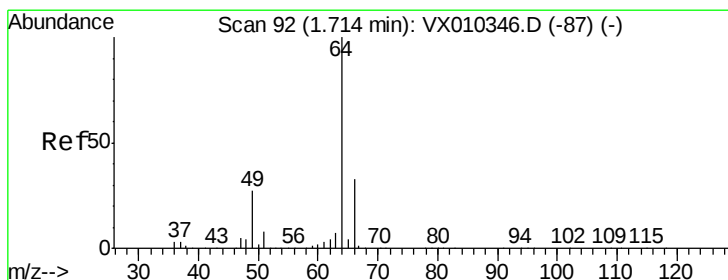
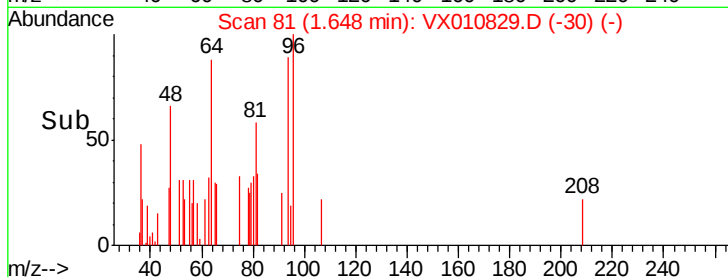
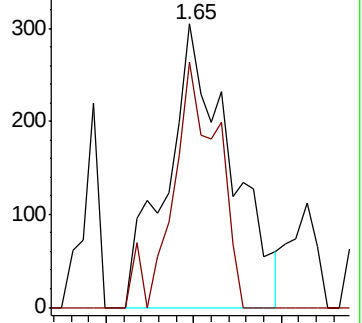
94 100

96 86.6 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: 0.257 ug/l

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX010829.D

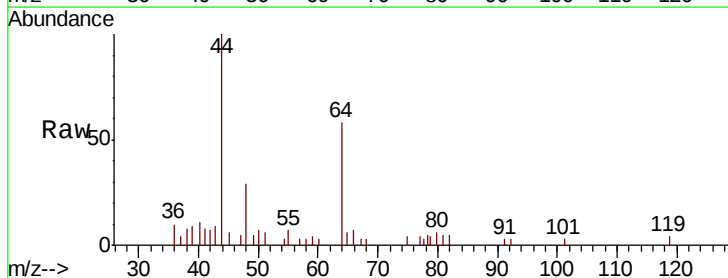
Acq: 12 Jul 2019 12:32

Tgt Ion: 64 Resp: 279

Ion Ratio Lower Upper

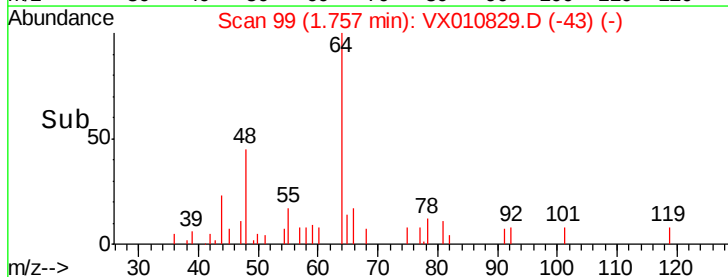
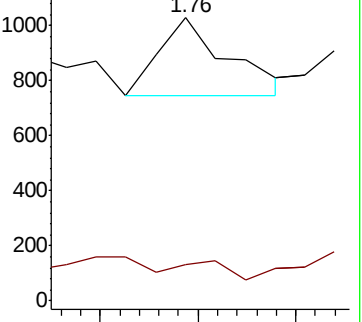
64 100

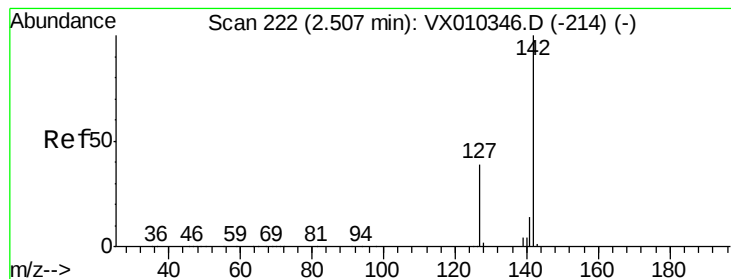
66 5.7 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 0.307 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX010829.D

Acq: 12 Jul 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

EB-03-190711

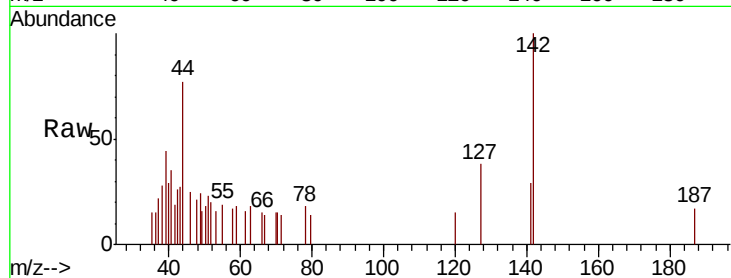
Tot Ion:142 Resp: 776

Ion Ratio Lower Upper

142 100

127 44.6 31.1 46.7

141 12.0 11.2 16.8



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

500

400

300

200

100

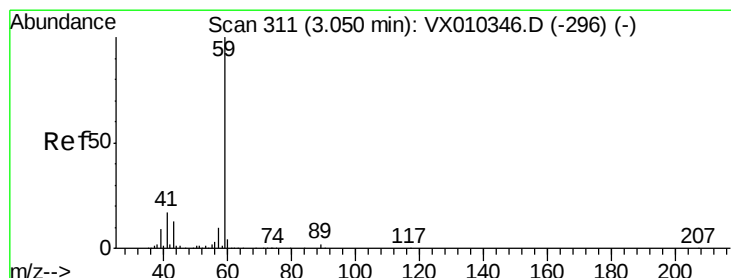
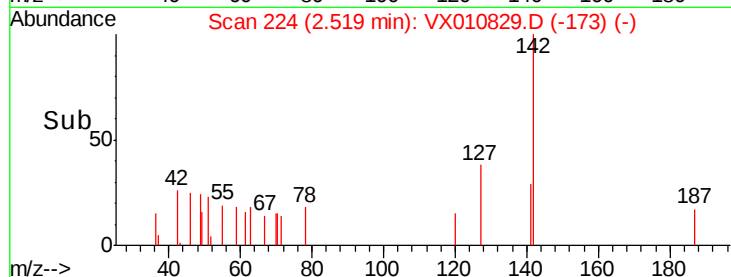
0

2.50

2.52

2.55

Time-->



#11

Tert butyl alcohol

Concen: 1.995 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010829.D

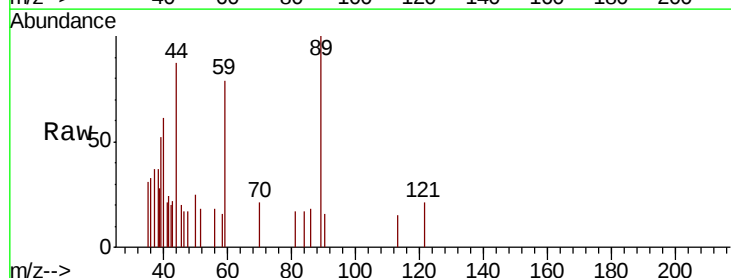
Acq: 12 Jul 2019 12:32

Tgt Ion: 59 Resp: 1017

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

300

250

200

150

100

50

0

2.95

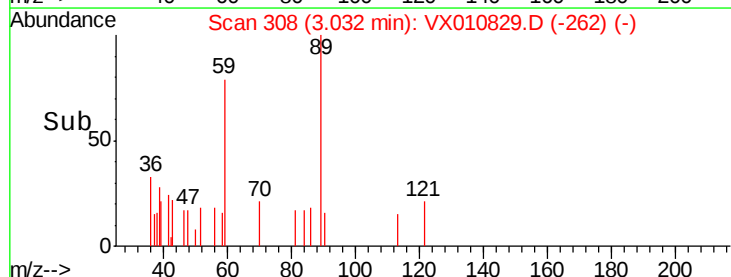
3.00

3.03

3.05

3.10

Time-->





#13

Acrolein

Concen: 0.757 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010829.D

Acq: 12 Jul 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

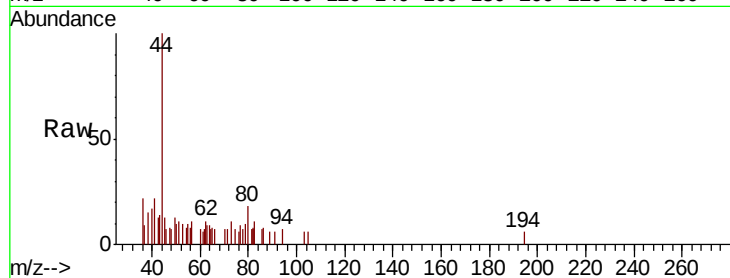
EB-03-190711

Tot Ion: 56 Resp: 256

Ion Ratio Lower Upper

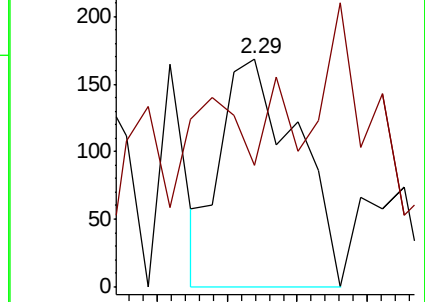
56 100

55 38.7 56.9 85.3#

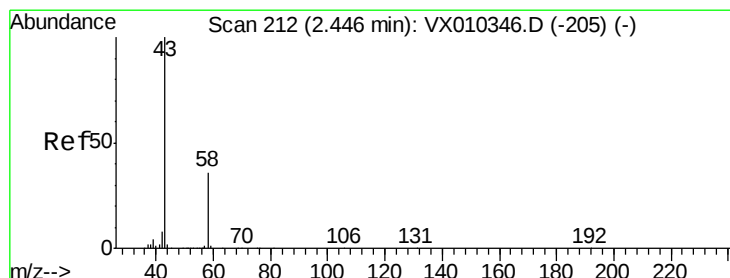
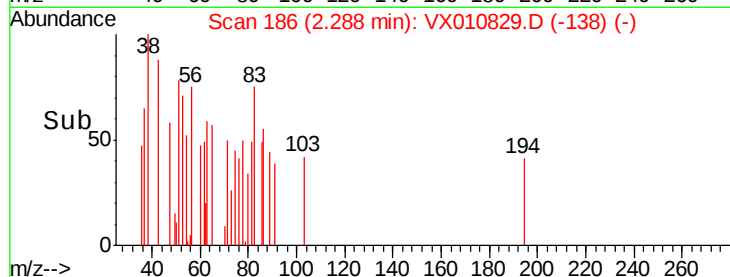


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 6.911 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010829.D

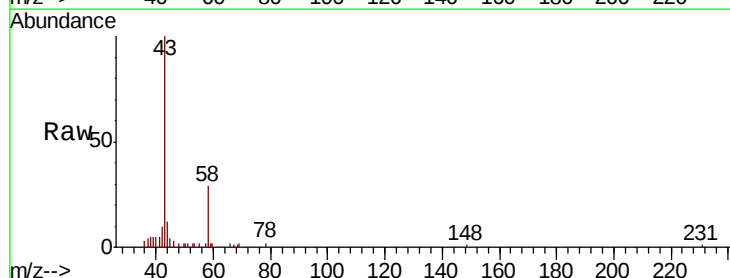
Acq: 12 Jul 2019 12:32

Tgt Ion: 43 Resp: 6747

Ion Ratio Lower Upper

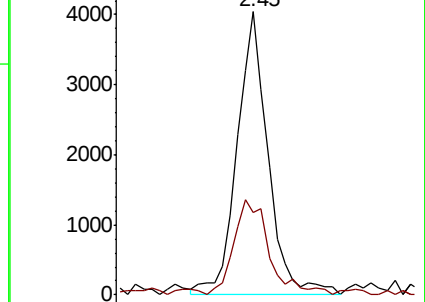
43 100

58 27.8 28.9 43.3#

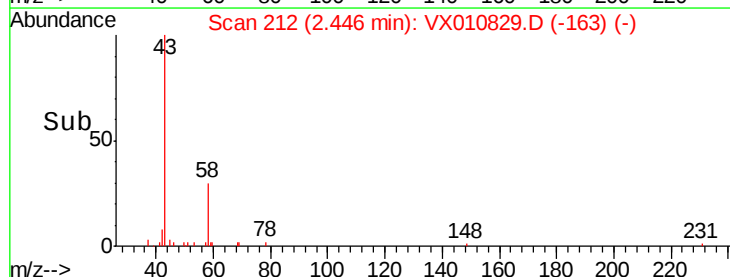


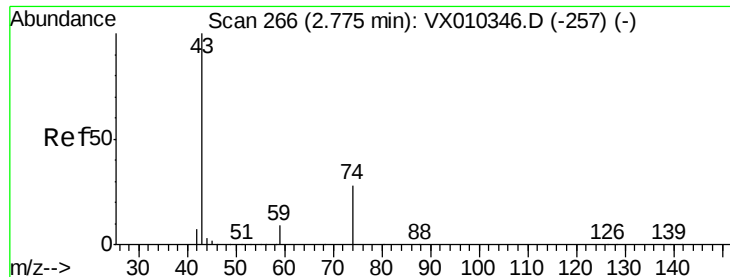
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

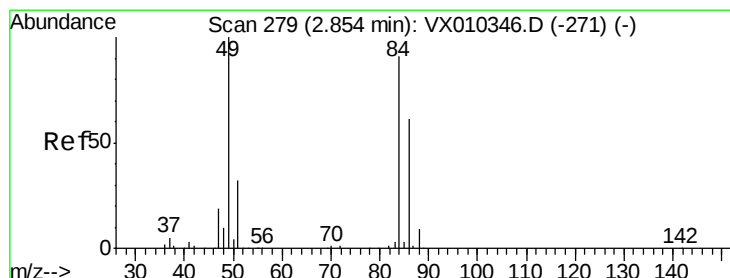
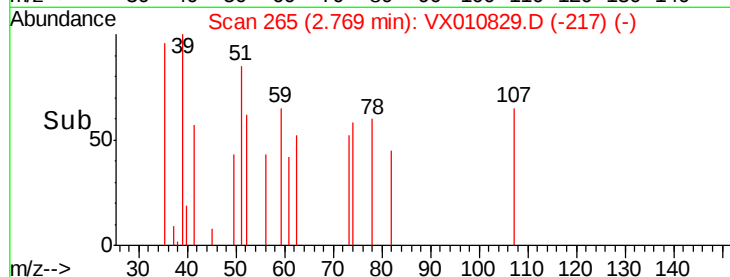
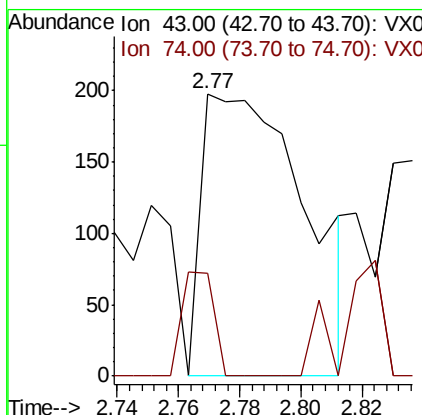
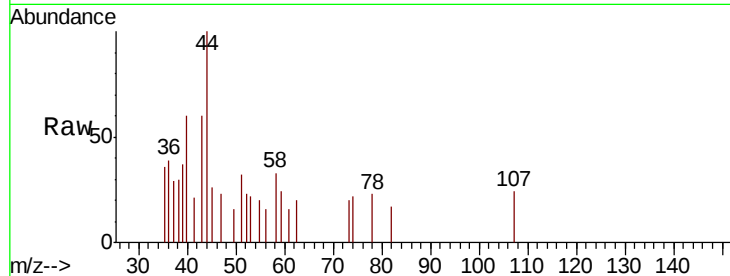




#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

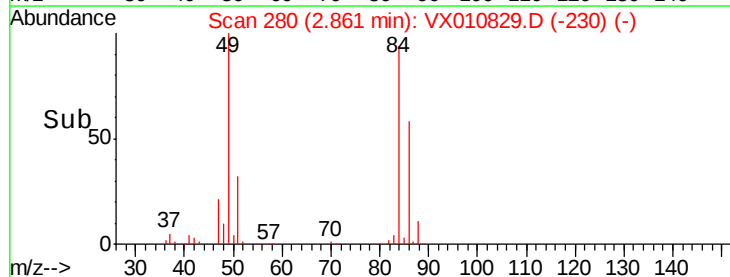
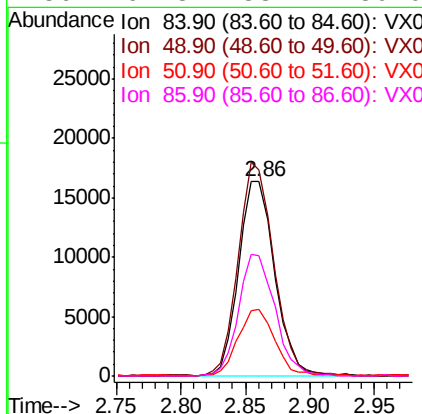
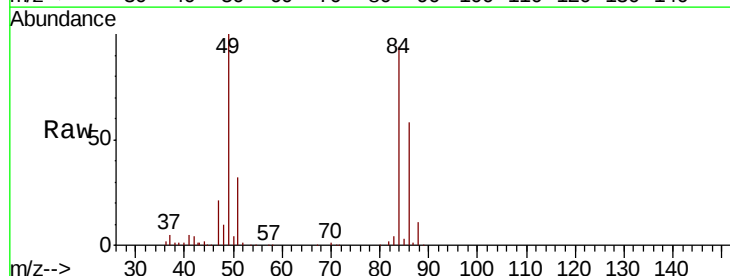
Instrument :
MSVOA_X
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EB-03-190711

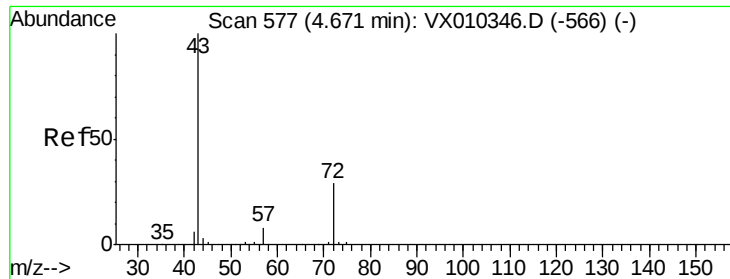
Tot Ion: 43 Resp: 460
Ion Ratio Lower Upper
43 100
74 11.5 21.3 31.9#



#20
Methylene Chloride
Concen: 15.850 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

Tgt Ion: 84 Resp: 31845
Ion Ratio Lower Upper
84 100
49 105.8 87.5 131.3
51 34.4 27.7 41.5
86 61.8 53.4 80.0

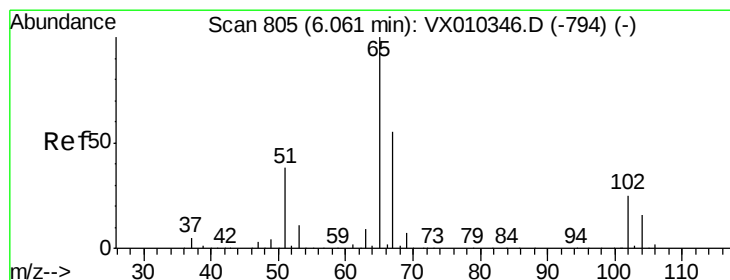
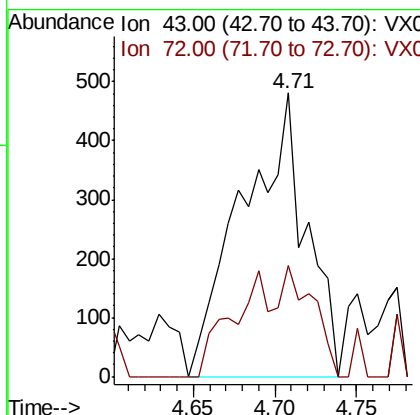
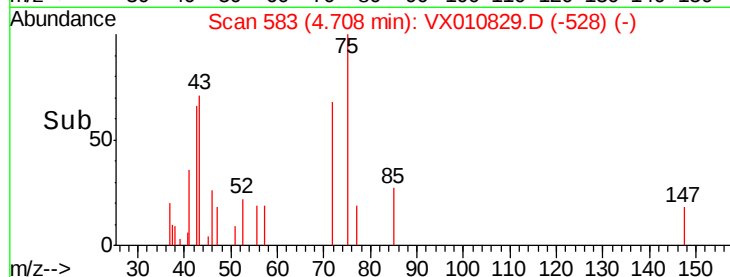
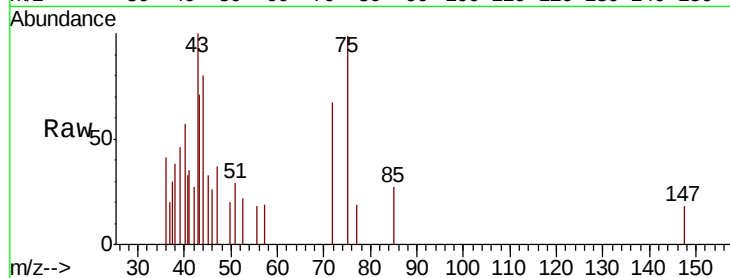




#25
2-Butanone
Concen: 0.911 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.04 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

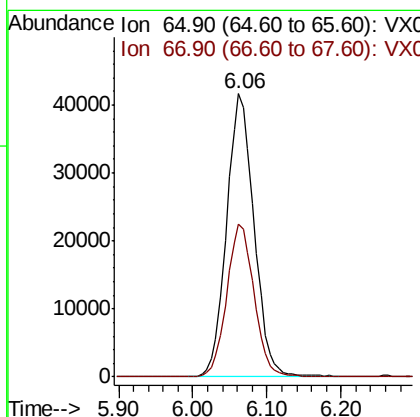
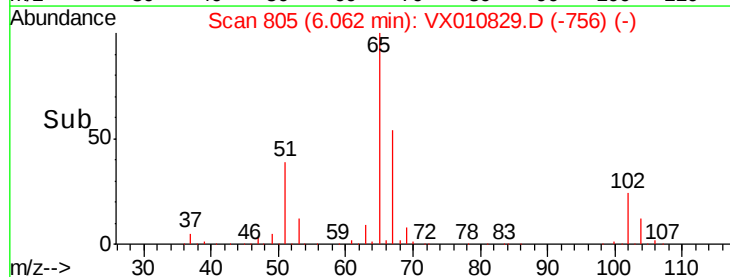
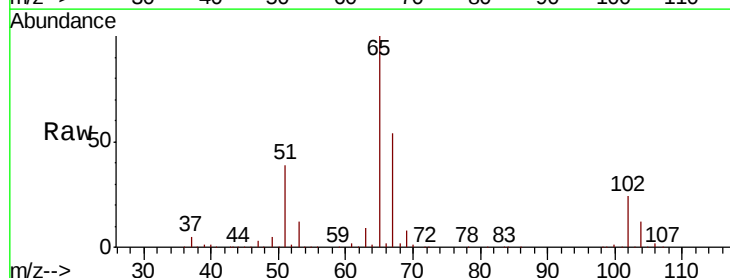
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EB-03-190711

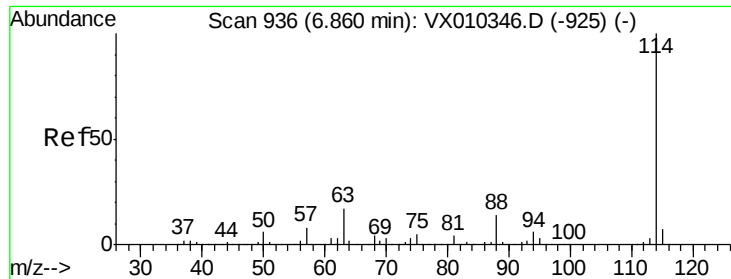
Tot Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
72 39.3 23.3 34.9#



#33
1,2-Dichloroethane-d4
Concen: 55.235 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

Tgt Ion: 65 Resp: 107603
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.2

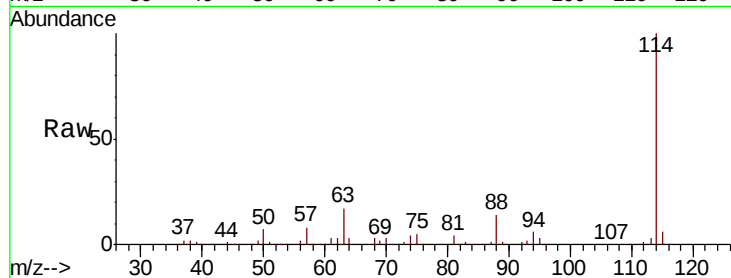




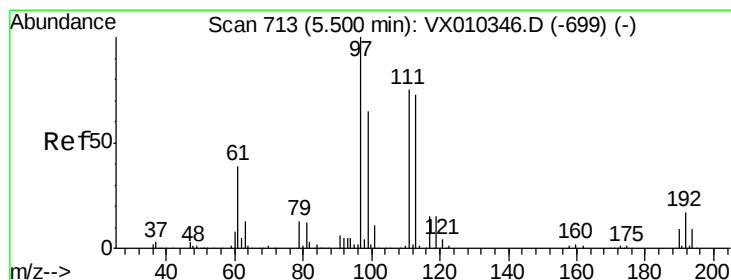
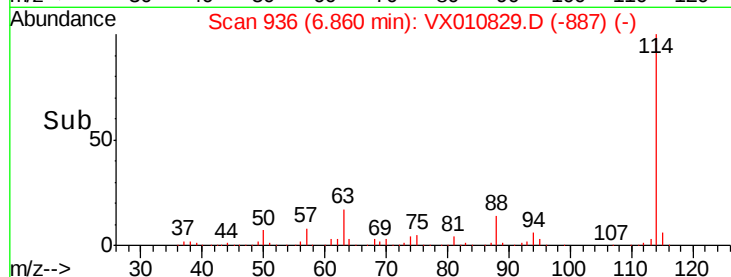
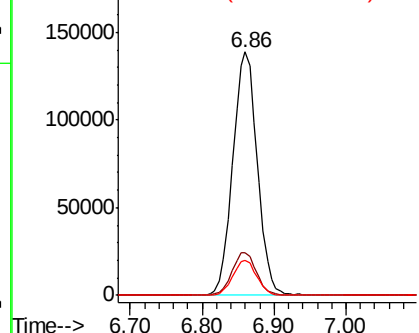
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EB-03-190711

Tot Ion:114 Resp: 328561
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 14.1 0.0 27.6

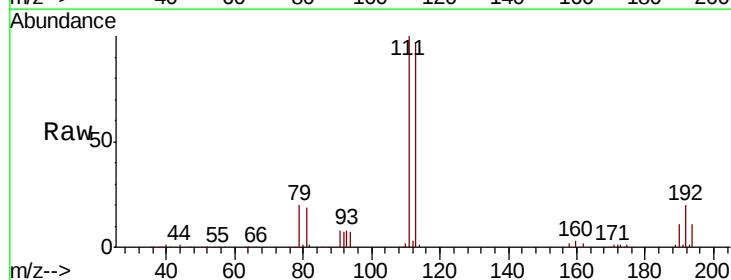


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

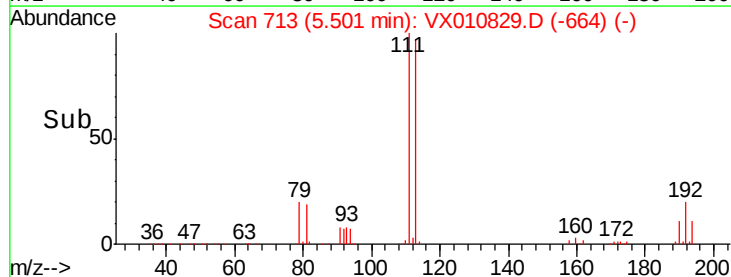
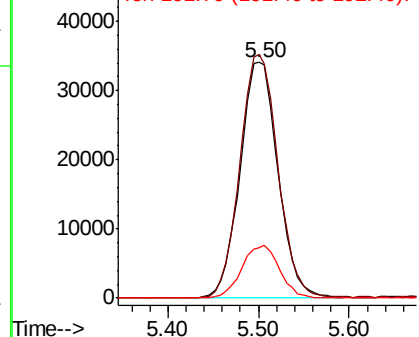


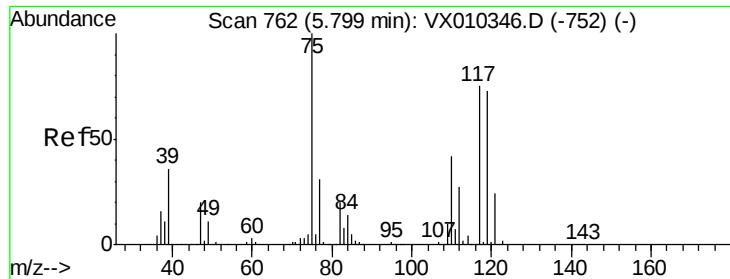
#35
Dibromofluoromethane
Concen: 49.322 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

Tgt Ion:113 Resp: 99149
Ion Ratio Lower Upper
113 100
111 103.6 81.2 121.8
192 22.2 18.6 27.8



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

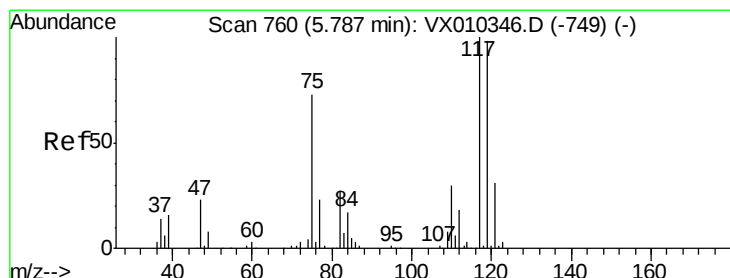
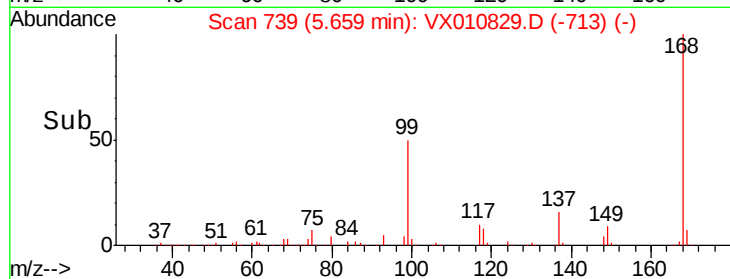
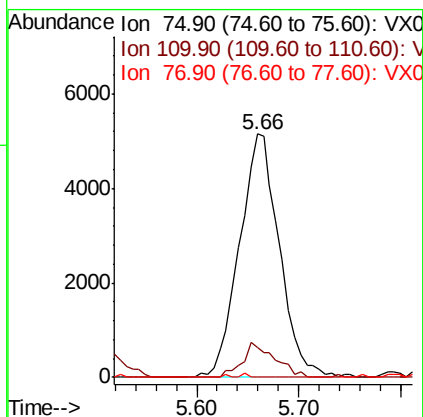
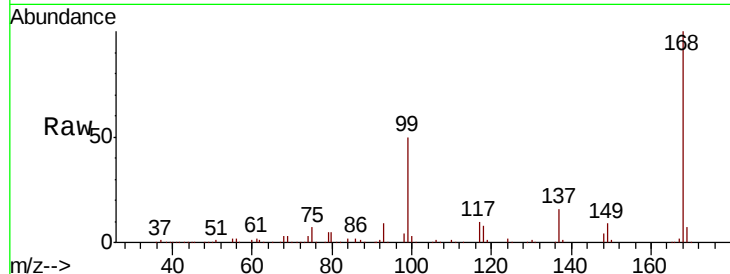




#36
 1,1-Dichloropropene
 Concen: 5.340 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010829.D
 Acq: 12 Jul 2019 12:32

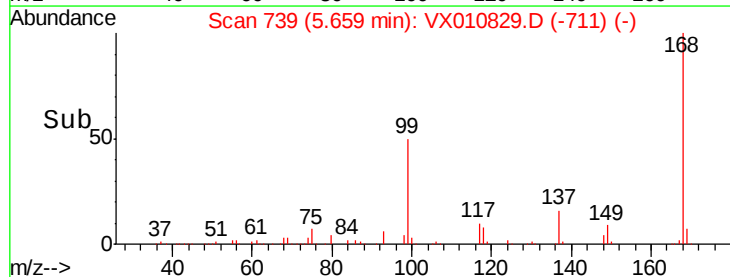
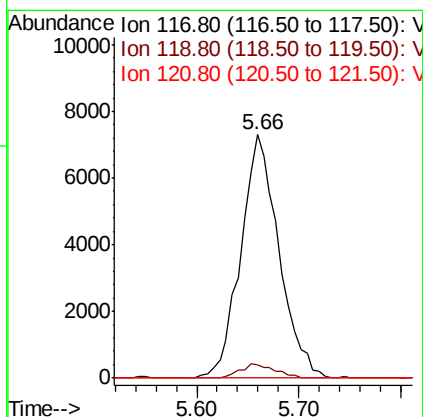
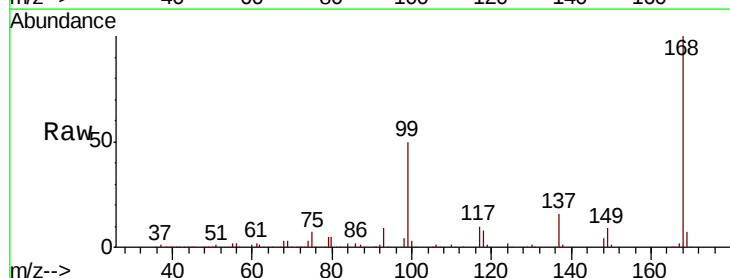
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-03-190711

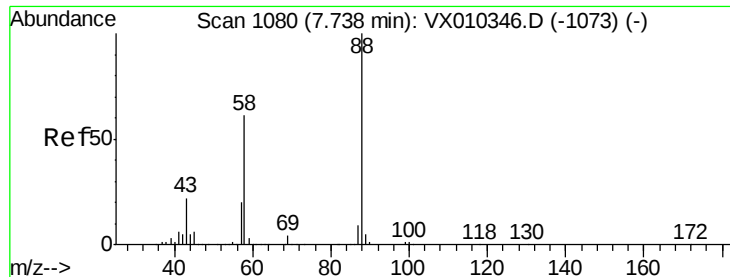
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	20.8	62.2#
77	0.2	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.697 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010829.D
 Acq: 12 Jul 2019 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	78.2	117.4#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 0.454 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010829.D

Acq: 12 Jul 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

EB-03-190711

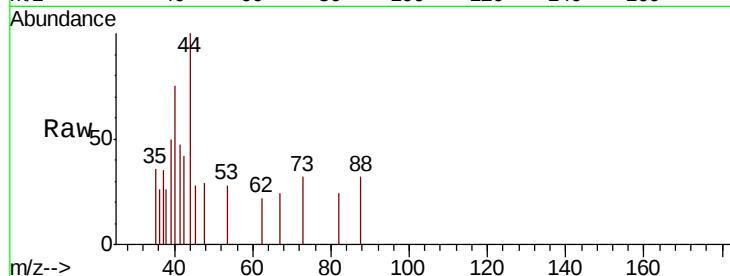
Tot Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 288.9 20.2 30.2#

58 0.0 49.5 74.3#

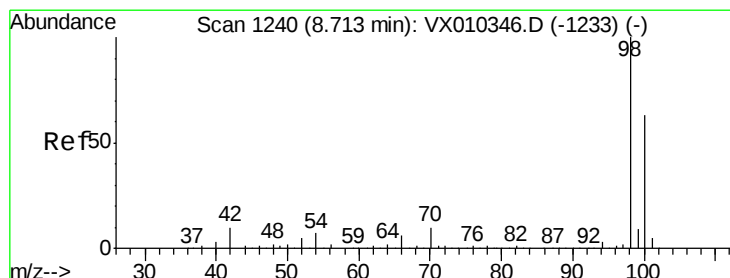
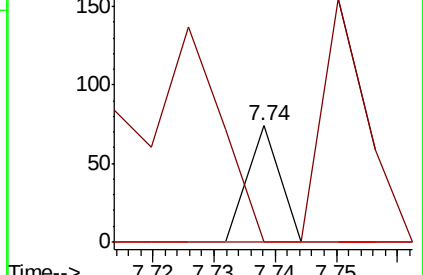
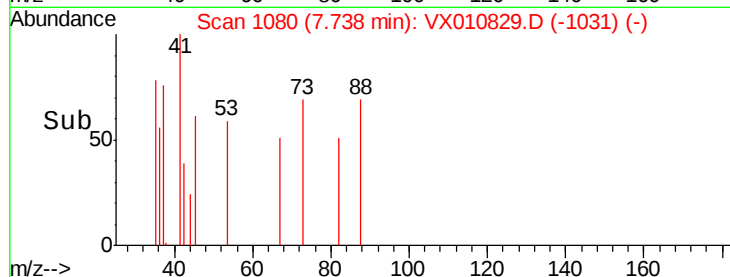


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



#50

Toluene-d8

Concen: 50.909 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010829.D

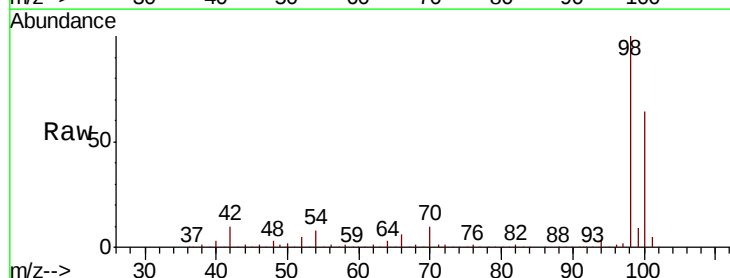
Acq: 12 Jul 2019 12:32

Tgt Ion: 98 Resp: 391532

Ion Ratio Lower Upper

98 100

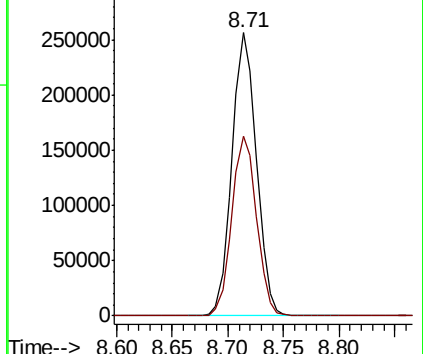
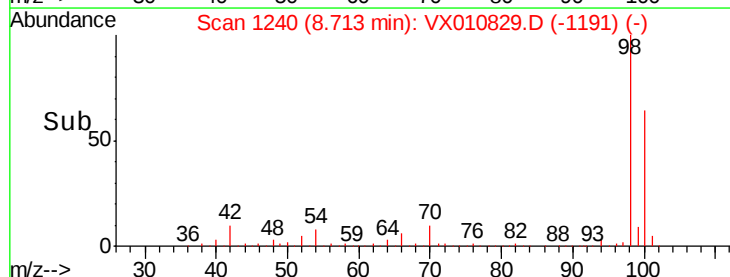
100 64.0 51.6 77.4

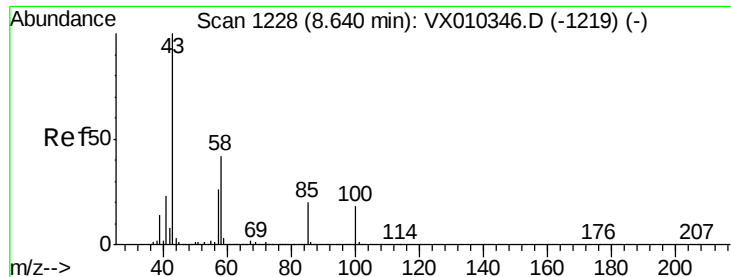


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.272 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010829.D

Acq: 12 Jul 2019 12:32

Instrument :

MSVOA_X

ClientSampleId :

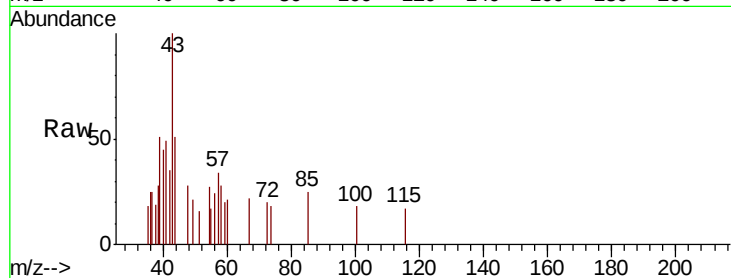
EB-03-190711

Tot Ion: 43 Resp: 774

Ion Ratio Lower Upper

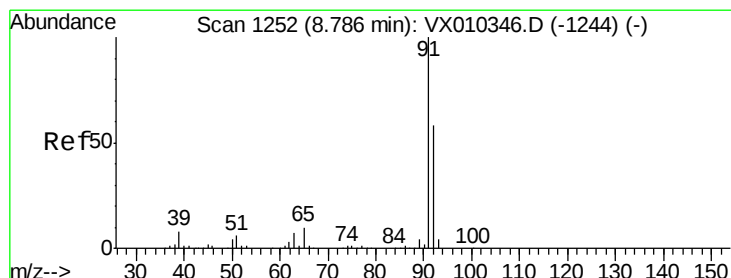
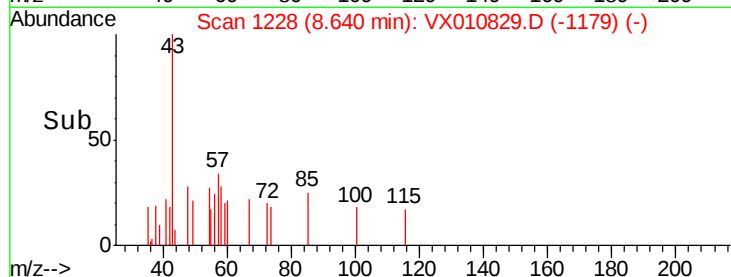
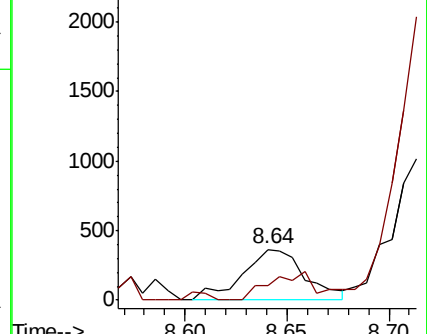
43 100

58 44.4 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 32.470 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010829.D

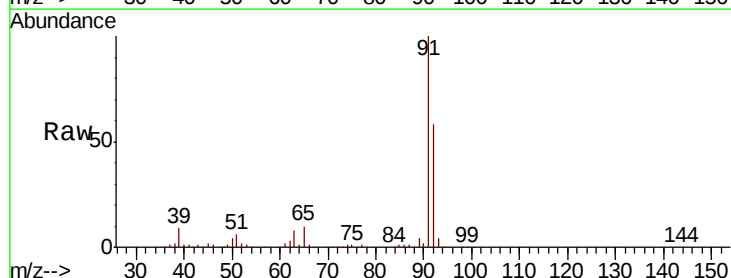
Acq: 12 Jul 2019 12:32

Tgt Ion: 92 Resp: 173931

Ion Ratio Lower Upper

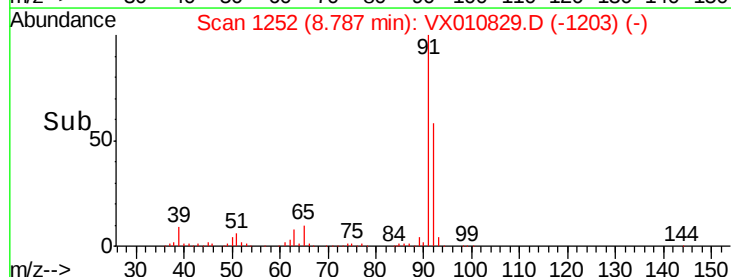
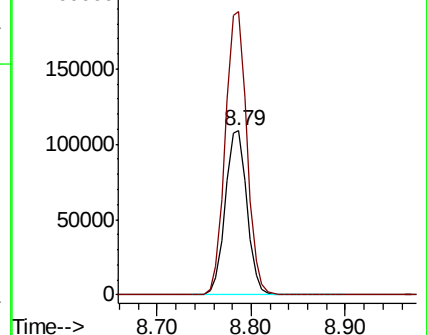
92 100

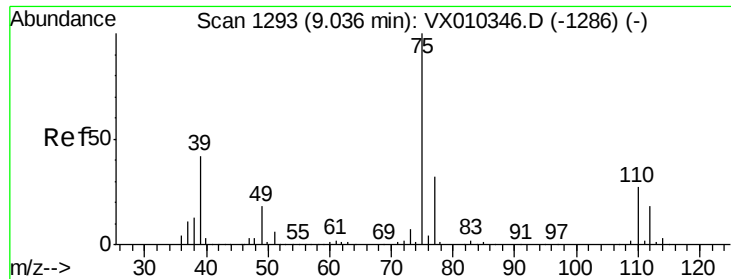
91 172.0 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

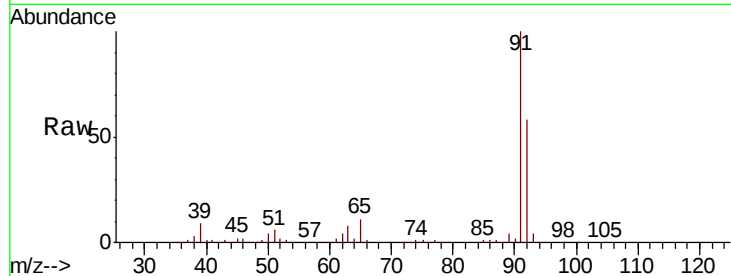




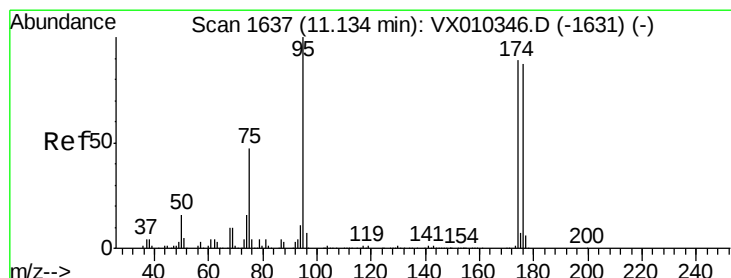
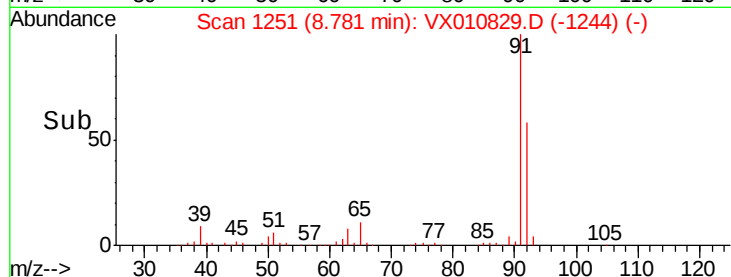
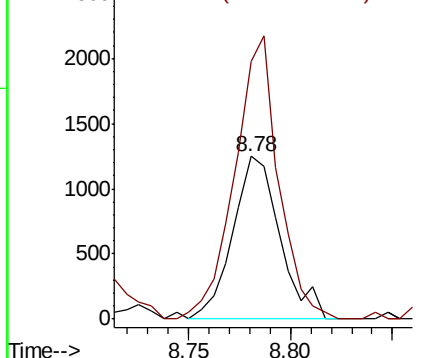
#53
t-1,3-Dichloropropene
Concen: 0.663 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.26 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

Instrument :
MSVOA_X
ClientSampleId :
EB-03-190711

Tot Ion: 75 Resp: 2007
Ion Ratio Lower Upper
75 100
77 158.6 25.4 38.2#

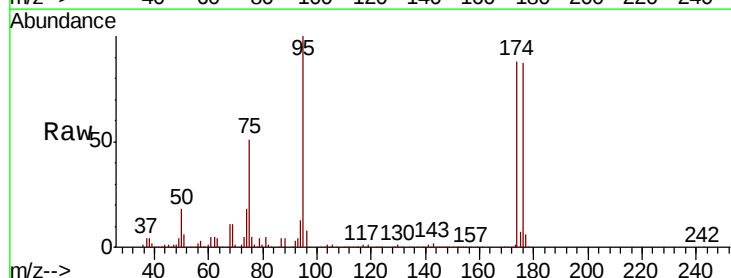


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0

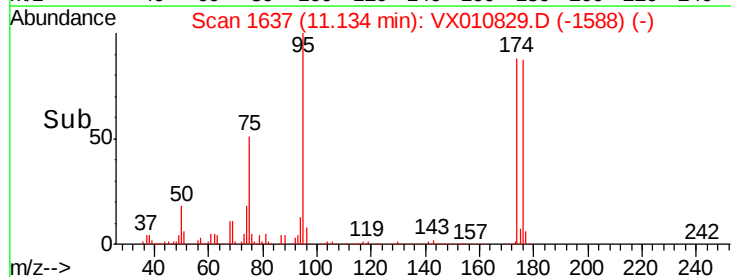
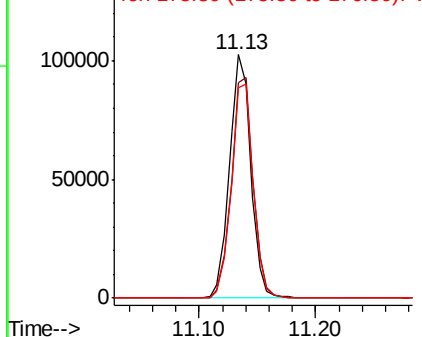


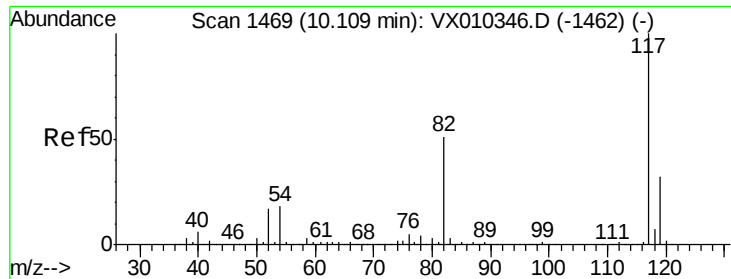
#62
4-Bromofluorobenzene
Concen: 47.034 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

Tgt Ion: 95 Resp: 130595
Ion Ratio Lower Upper
95 100
174 92.5 0.0 187.6
176 90.2 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

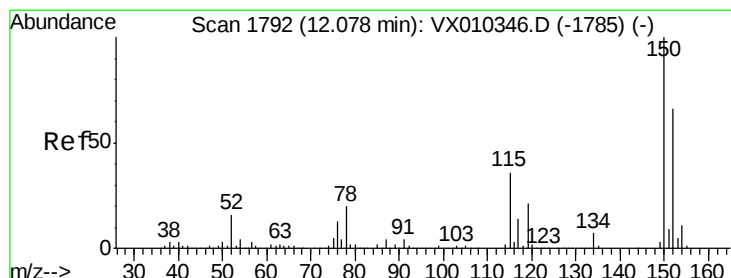
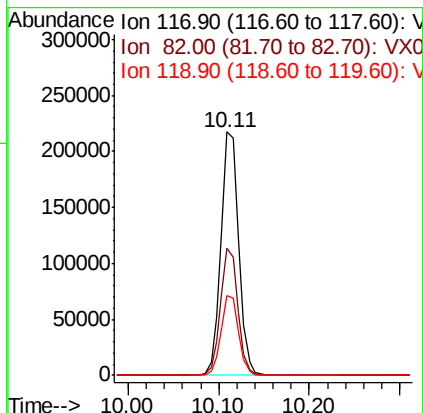
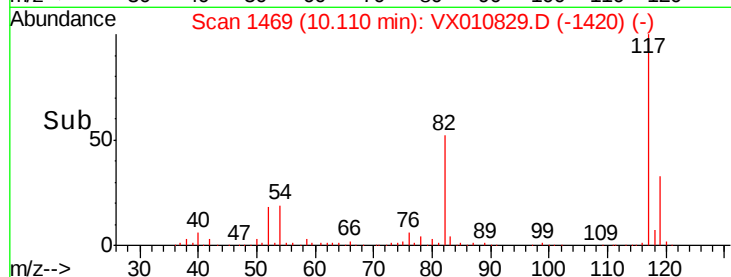
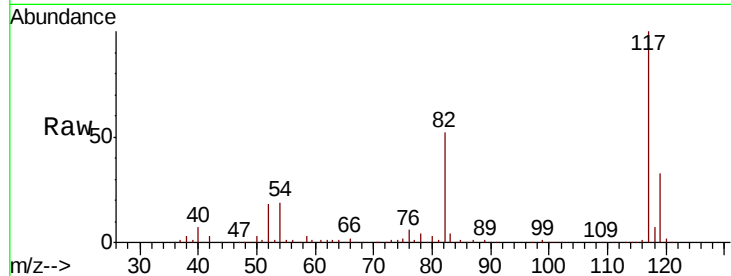




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

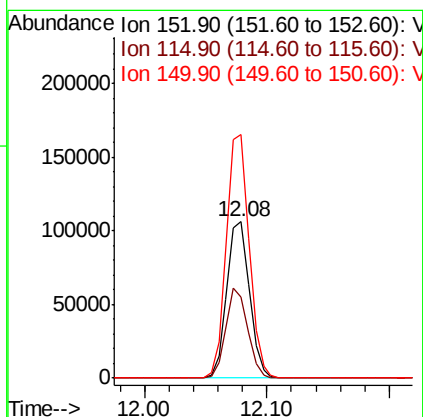
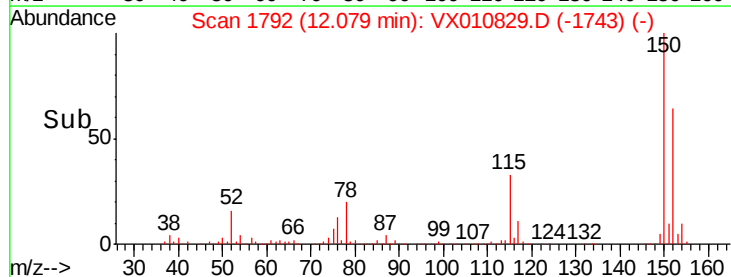
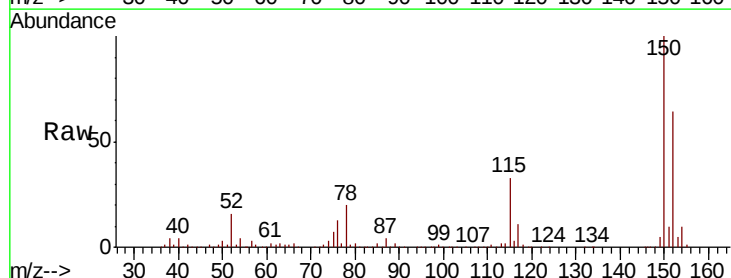
Instrument :
MSVOA_X
ClientSampled :
EB-03-190711

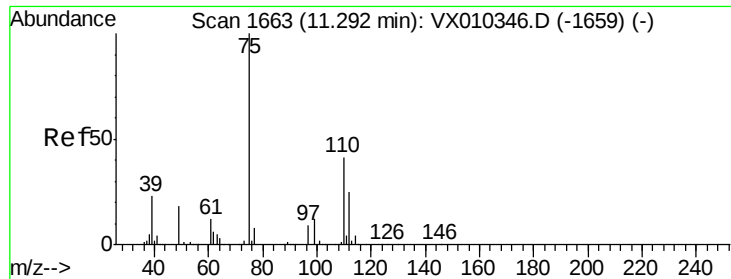
Tot Ion:117 Resp: 298077
Ion Ratio Lower Upper
117 100
82 52.1 41.2 61.8
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010829.D
Acq: 12 Jul 2019 12:32

Tgt Ion:152 Resp: 136526
Ion Ratio Lower Upper
152 100
115 54.8 38.6 115.7
150 155.7 0.0 347.4

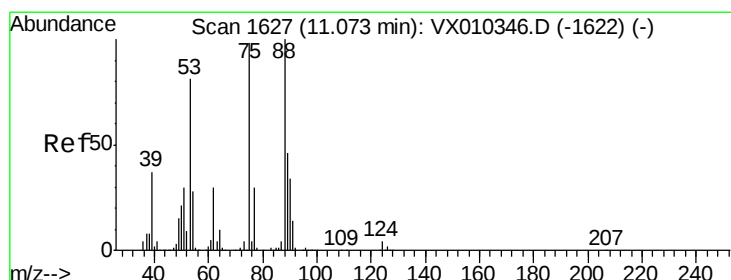
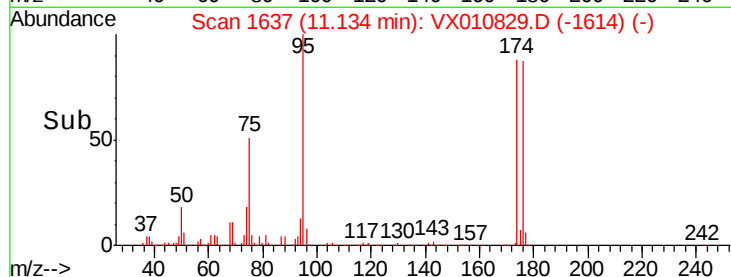
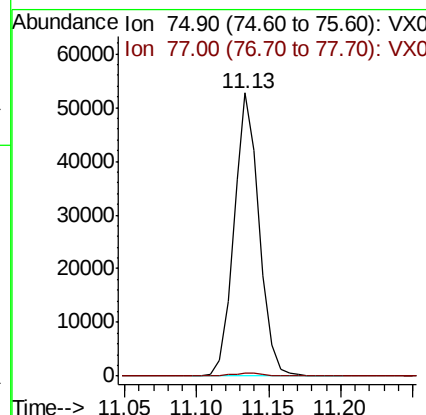
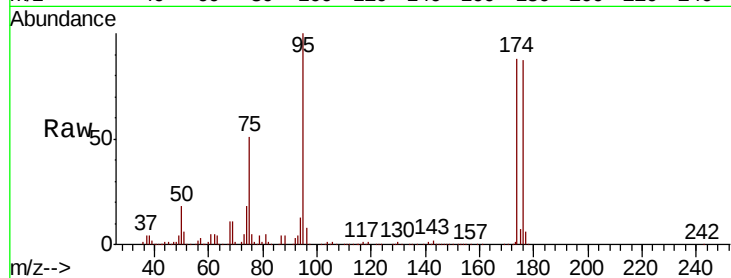




#76
 1,2,3-Trichloropropane
 Concen: 25.804 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010829.D
 Acq: 12 Jul 2019 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-03-190711

Tot Ion: 75 Resp: 64197
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.198 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010829.D
 Acq: 12 Jul 2019 12:32

Tgt Ion: 75 Resp: 64197
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.1 99.1#
 89 0.0 37.8 56.6#

