

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071519\
 Data File : VX010881.D
 Acq On : 15 Jul 2019 13:55
 Operator : JC/SP
 Sample : K3813-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-04-190712

Quant Time: Jul 16 01:58:40 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	239267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	346135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161803	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	122493	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
35) Dibromofluoromethane	5.50	113	115746	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
50) Toluene-d8	8.71	98	446958	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.13	95	157366	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	

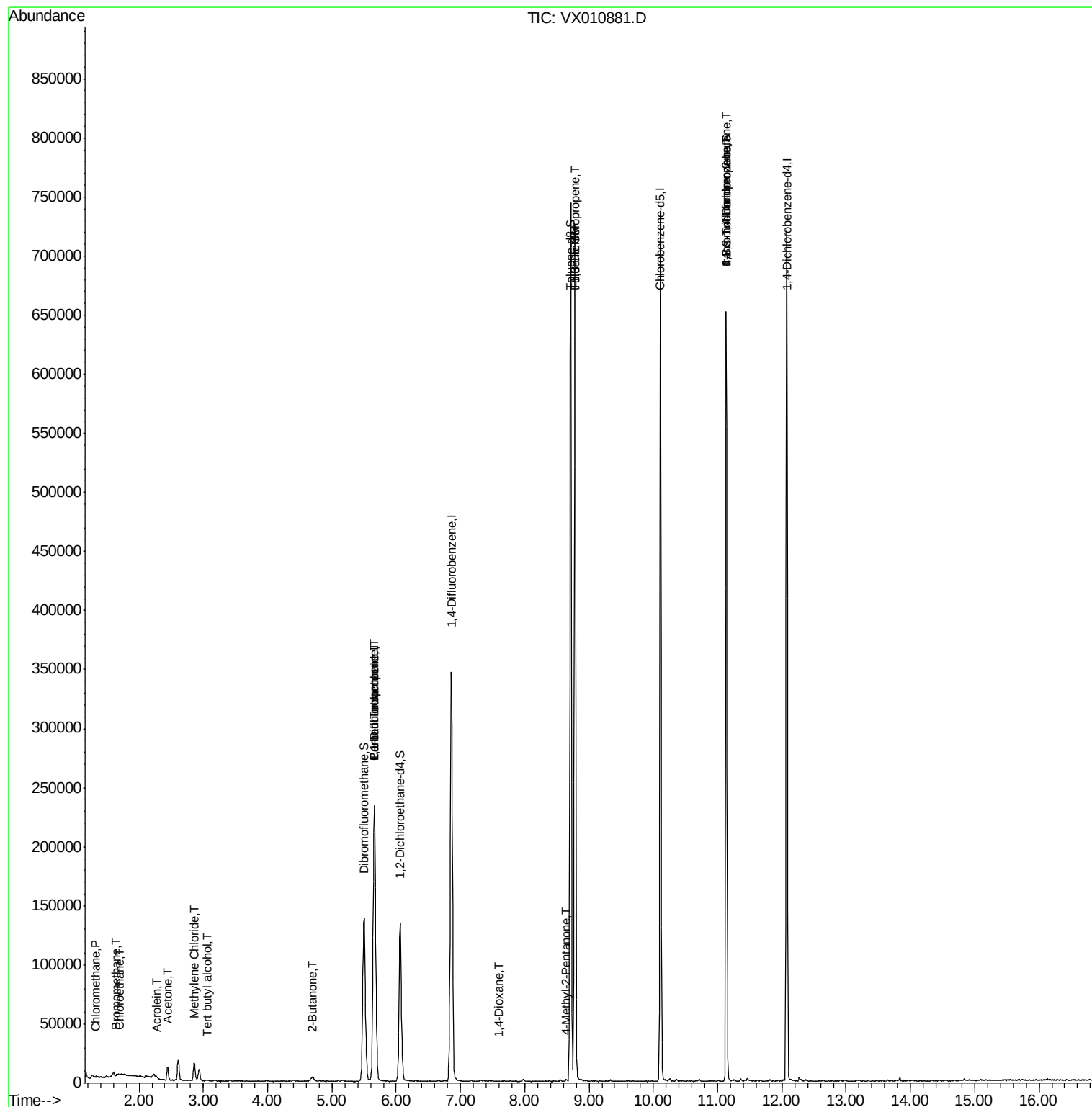
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	714	0.369	ug/l #	82
5) Bromomethane	1.65	94	374	0.362	ug/l #	42
6) Chloroethane	1.69	64	6489	5.184	ug/l #	46
11) Tert butyl alcohol	3.06	59	1148	1.956	ug/l	96
13) Acrolein	2.28	56	96	0.247	ug/l #	30
16) Acetone	2.45	43	11349	10.094	ug/l	95
20) Methylene Chloride	2.85	84	7916	3.421	ug/l	95
25) 2-Butanone	4.69	43	2543	1.542	ug/l	94
36) 1,1-Dichloropropene	5.65	75	16006	5.413	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22422	7.003	ug/l #	15
49) 1,4-Dioxane	7.59	88	38	0.564	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1106	0.344	ug/l	97
52) Toluene	8.78	92	272798	44.968	ug/l	97
53) t-1,3-Dichloropropene	8.79	75	3105	0.905	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	78728	26.701	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78728	62.291	ug/l #	16

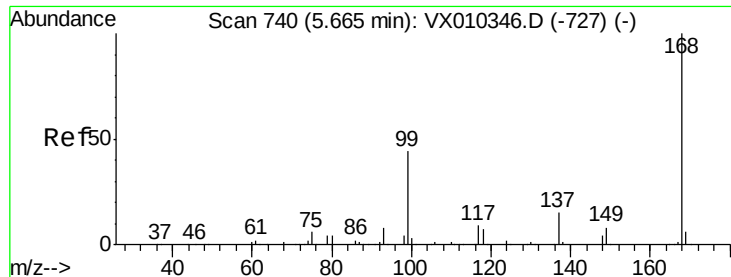
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX010881.D

Acq: 15 Jul 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

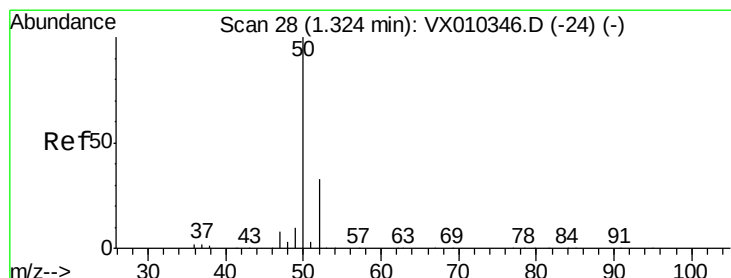
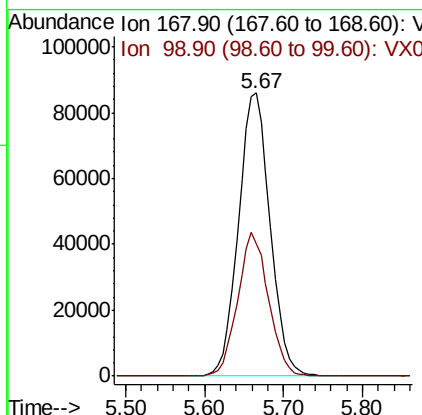
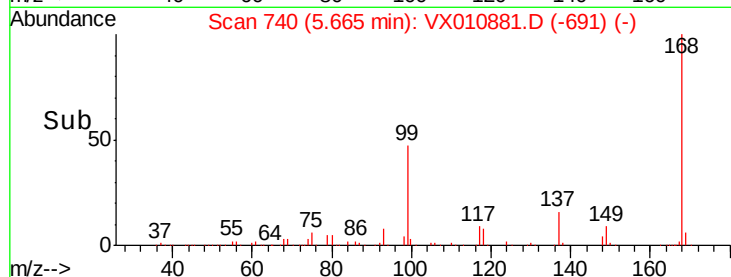
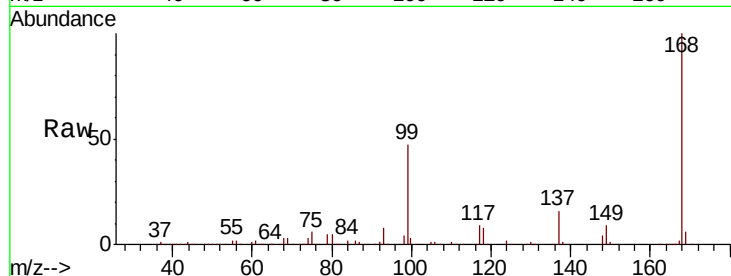
EB-04-190712

Tot Ion:168 Resp: 239267

Ion Ratio Lower Upper

168 100

99 46.6 35.5 53.3



#3

Chloromethane

Concen: 0.369 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010881.D

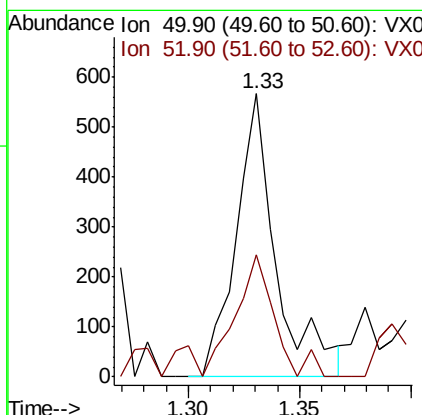
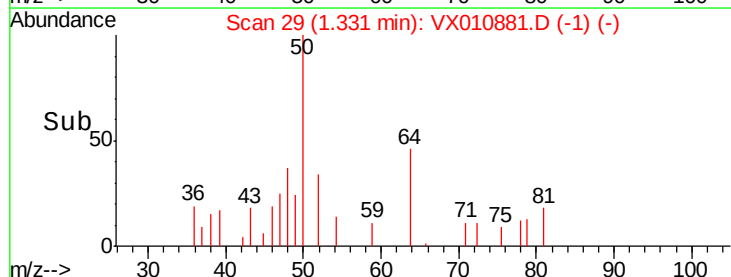
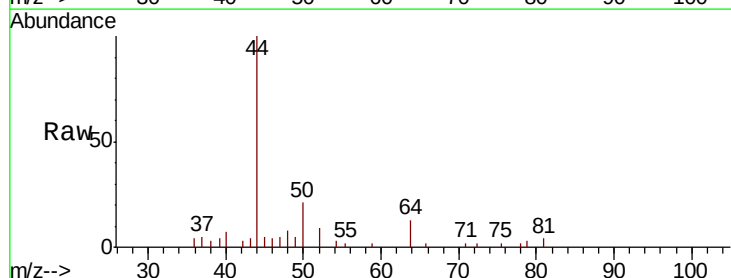
Acq: 15 Jul 2019 13:55

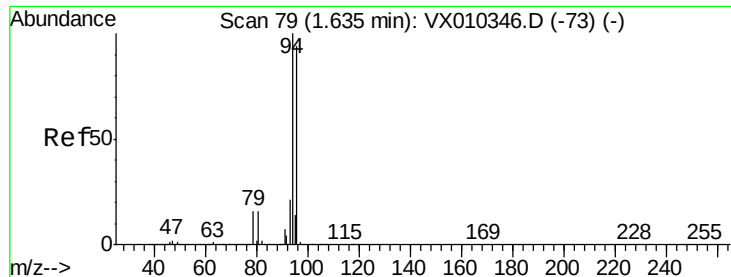
Tgt Ion: 50 Resp: 714

Ion Ratio Lower Upper

50 100

52 43.0 26.5 39.7#





#5

Bromomethane

Concen: 0.362 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010881.D

Acq: 15 Jul 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

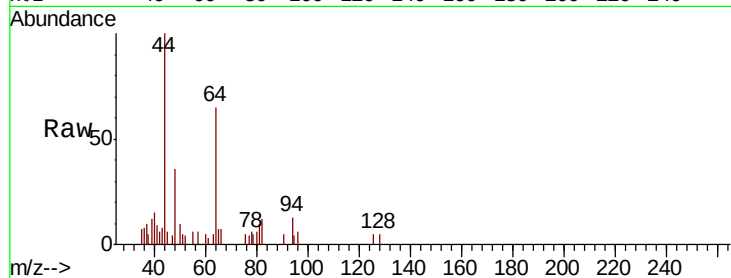
EB-04-190712

Tot Ion: 94 Resp: 374

Ion Ratio Lower Upper

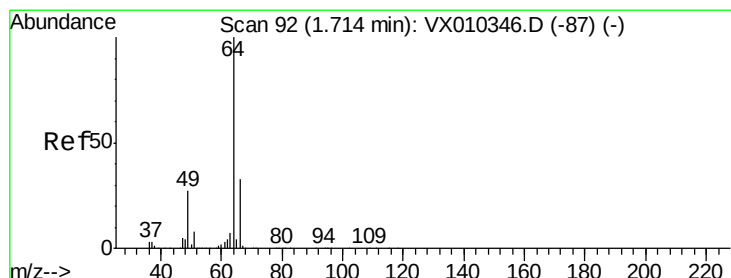
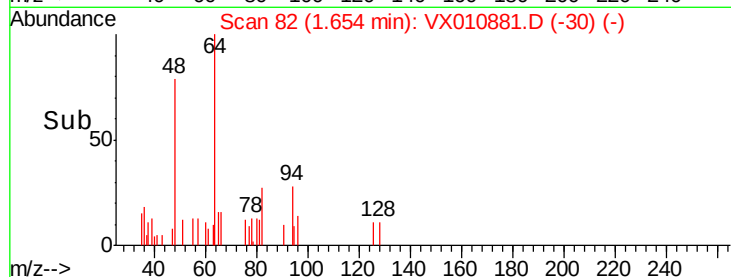
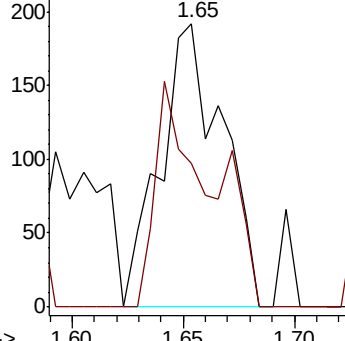
94 100

96 38.5 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: 5.184 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX010881.D

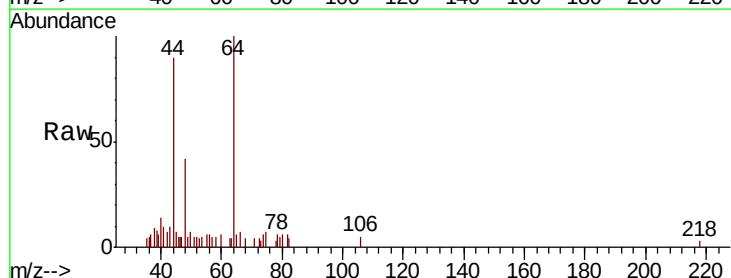
Acq: 15 Jul 2019 13:55

Tgt Ion: 64 Resp: 6489

Ion Ratio Lower Upper

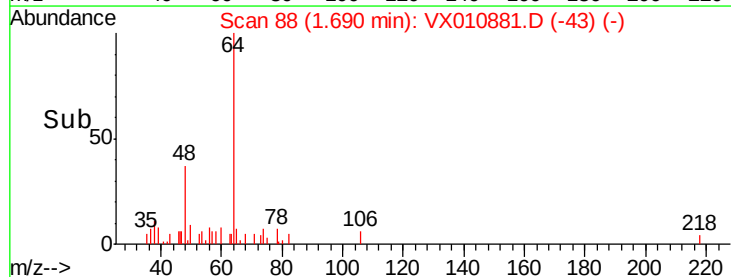
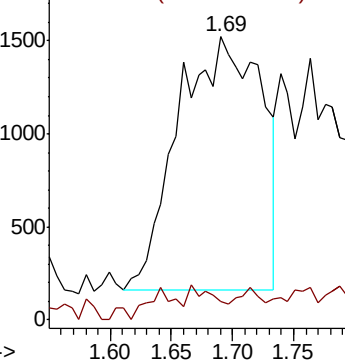
64 100

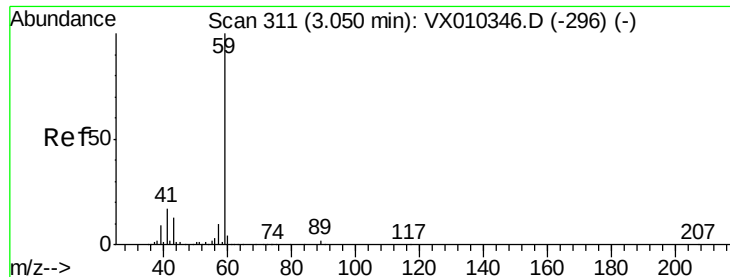
66 2.4 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



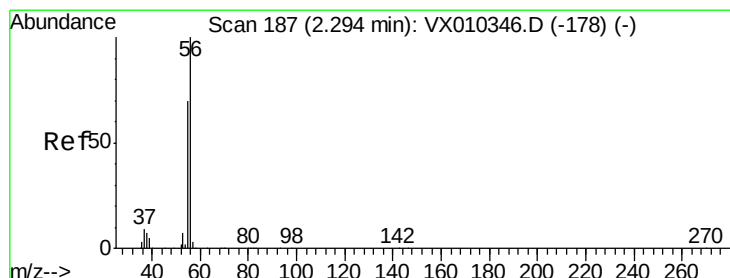
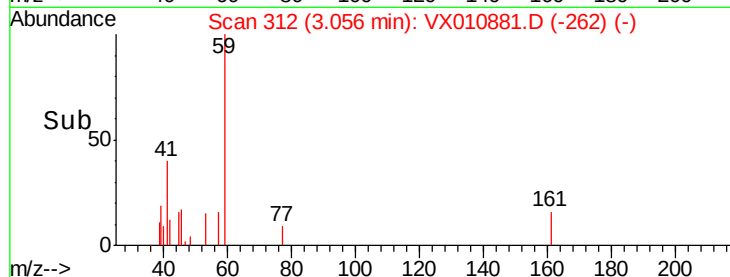
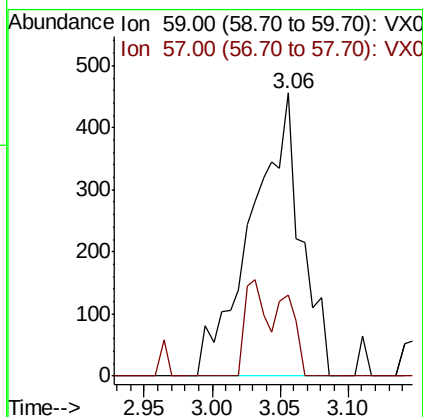
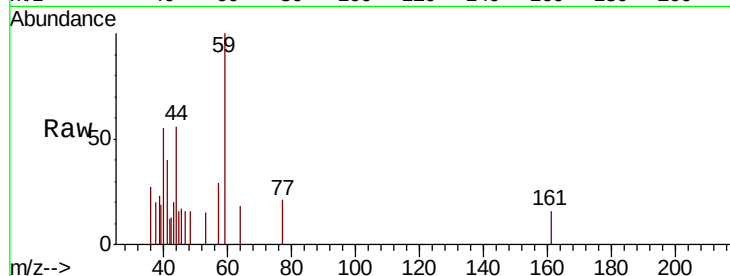


#11

Tert butyl alcohol
Concen: 1.956 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

Instrument :
MSVOA_X
ClientSampleId :
EB-04-190712

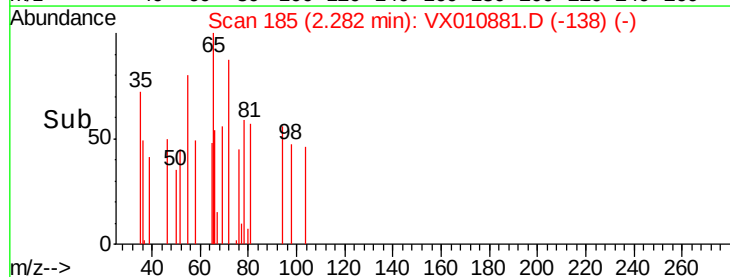
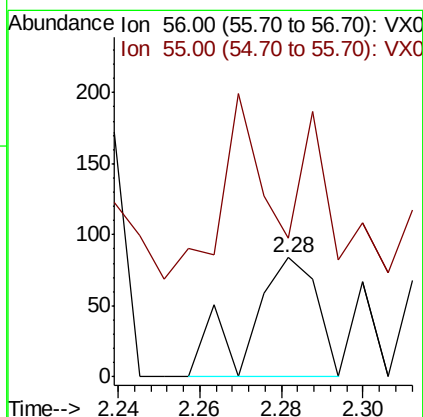
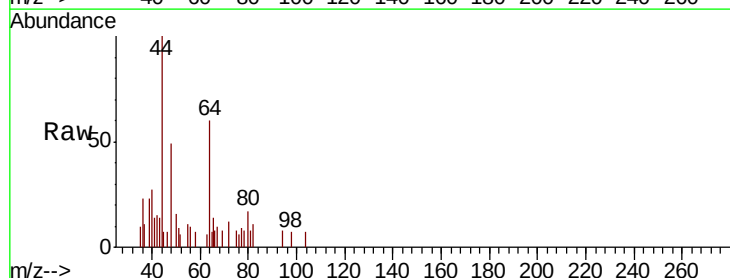
Tot Ion: 59 Resp: 1148
Ion Ratio Lower Upper
59 100
57 10.9 7.7 11.5

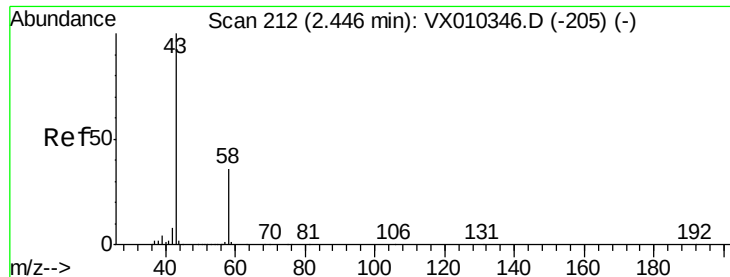


#13

Acrolein
Concen: 0.247 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 129.2 56.9 85.3#





#16

Acetone

Concen: 10.094 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010881.D

Acq: 15 Jul 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

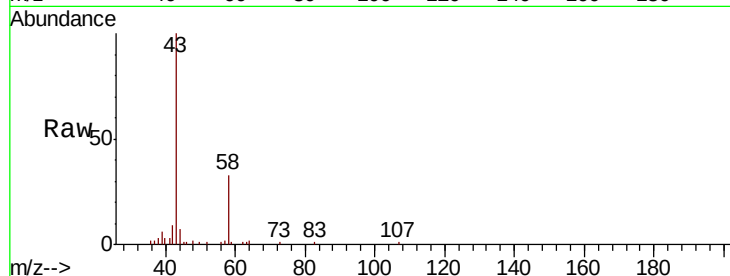
EB-04-190712

Tot Ion: 43 Resp: 11349

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

2.45

8000

6000

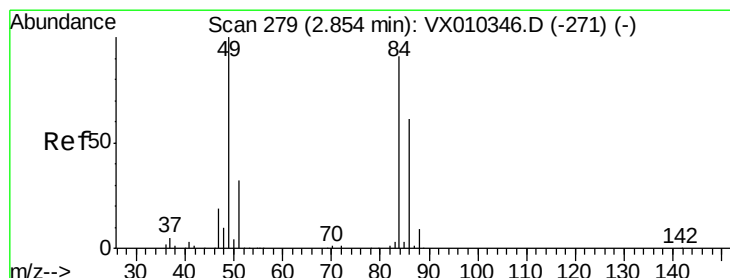
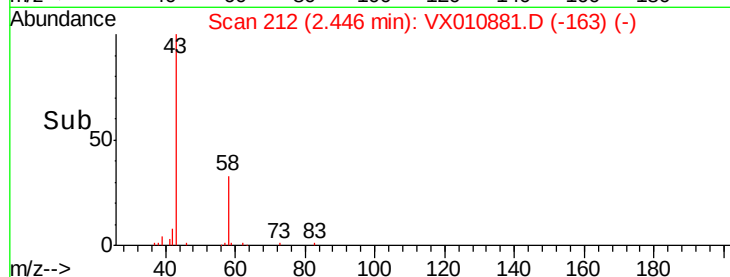
4000

2000

0

Time-->

2.40 2.45 2.50



#20

Methylene Chloride

Concen: 3.421 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010881.D

Acq: 15 Jul 2019 13:55

Tgt Ion: 84 Resp: 7916

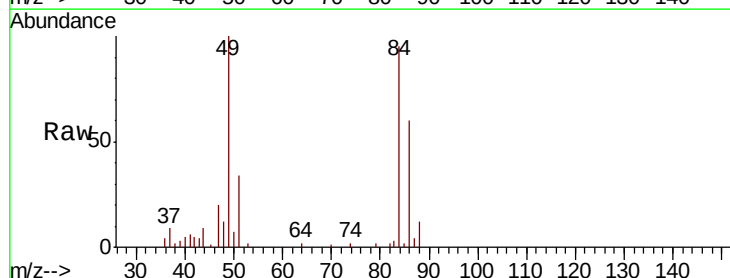
Ion Ratio Lower Upper

84 100

49 103.6 87.5 131.3

51 33.0 27.7 41.5

86 63.5 53.4 80.0



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

6000

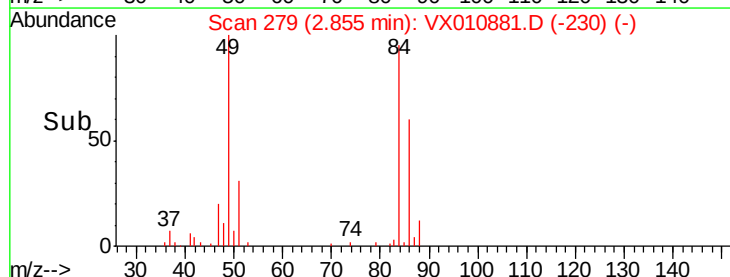
4000

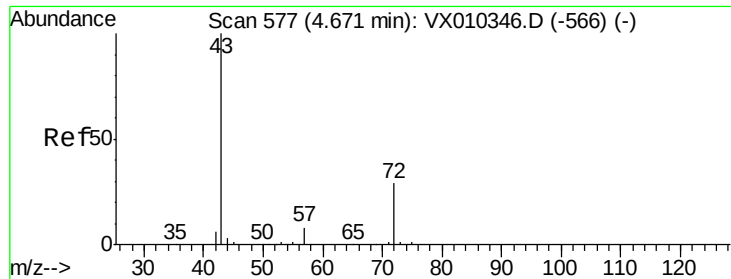
2000

0

Time-->

2.75 2.80 2.85 2.90 2.95

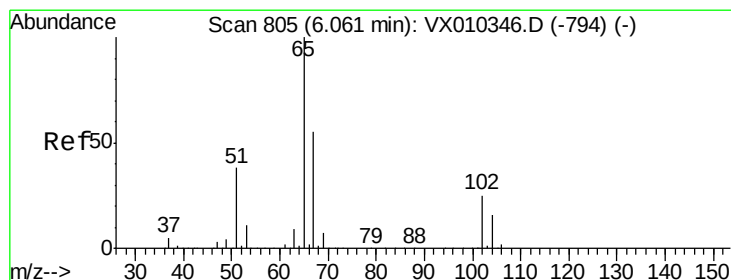
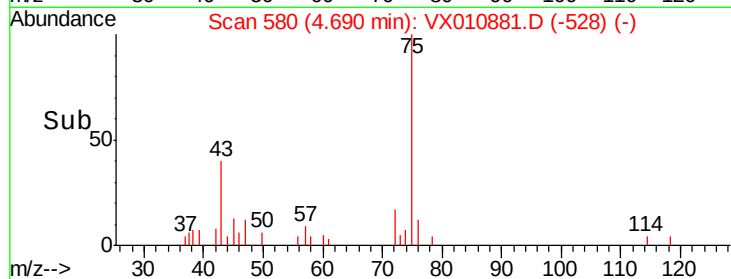
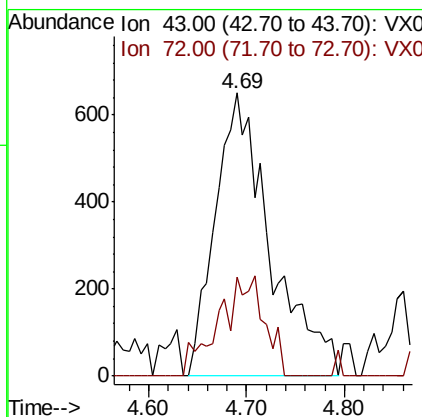
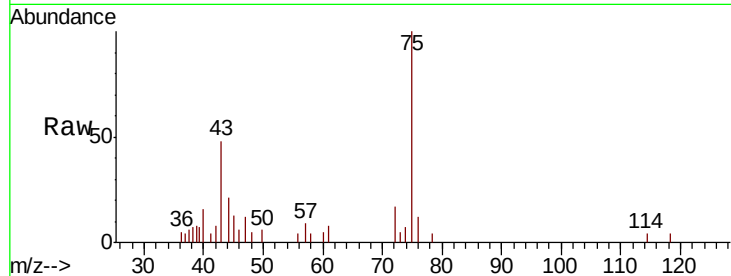




#25
2-Butanone
Concen: 1.542 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

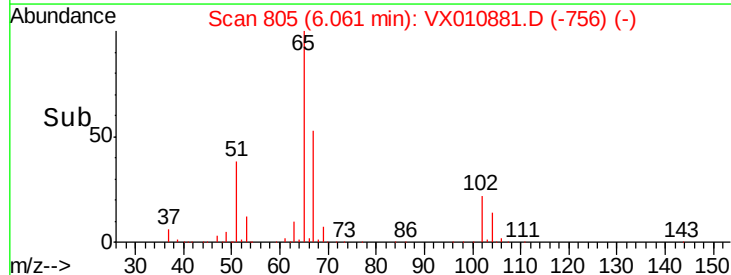
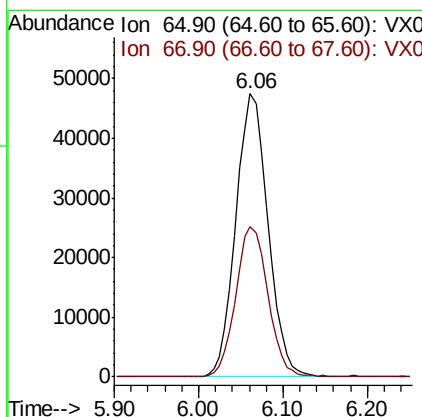
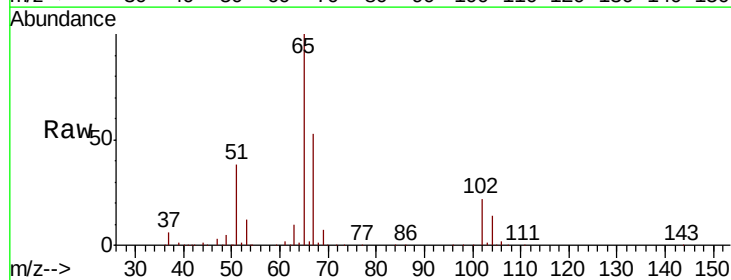
Instrument :
MSVOA_X
ClientSampled :
EB-04-190712

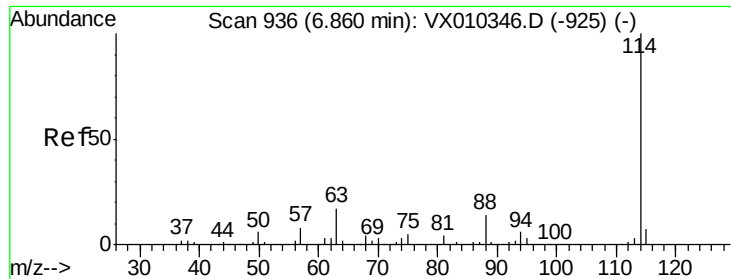
Tot Ion: 43 Resp: 2543
Ion Ratio Lower Upper
43 100
72 25.7 23.3 34.9



#33
1,2-Dichloroethane-d4
Concen: 54.602 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

Tgt Ion: 65 Resp: 122493
Ion Ratio Lower Upper
65 100
67 53.3 0.0 110.2

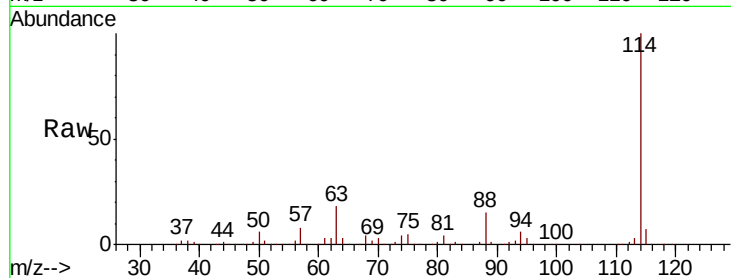




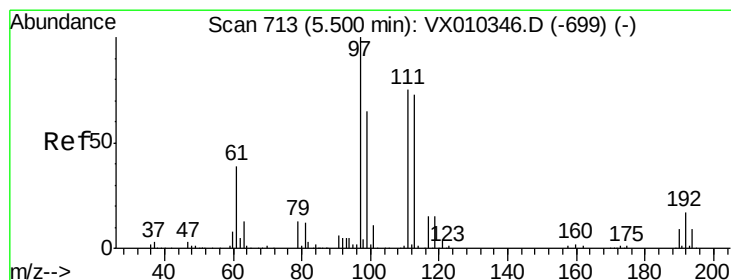
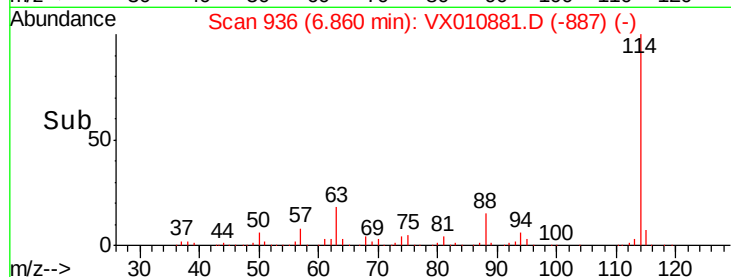
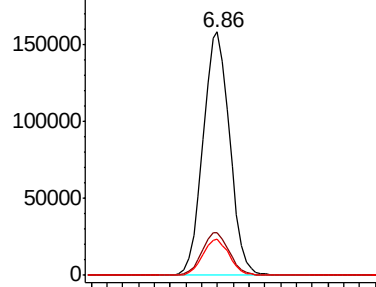
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010881.D
 Acq: 15 Jul 2019 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-04-190712

Tot Ion:114 Resp: 372099
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 33.8
 88 14.7 0.0 27.6

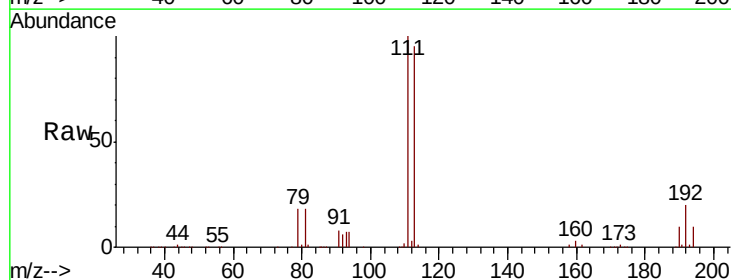


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

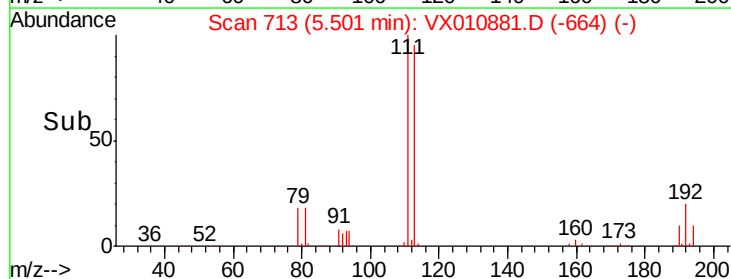
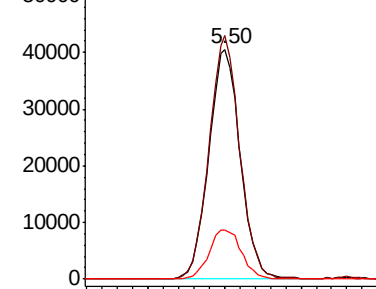


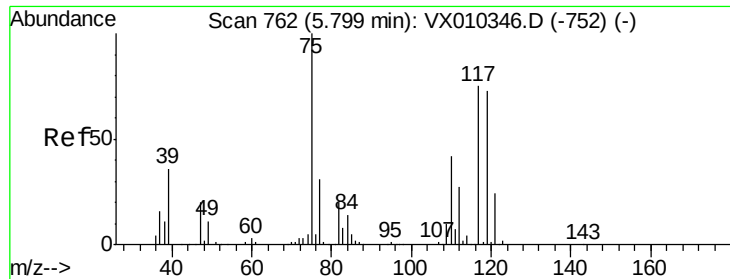
#35
 Dibromofluoromethane
 Concen: 50.841 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010881.D
 Acq: 15 Jul 2019 13:55

Tgt Ion:113 Resp: 115746
 Ion Ratio Lower Upper
 113 100
 111 103.2 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

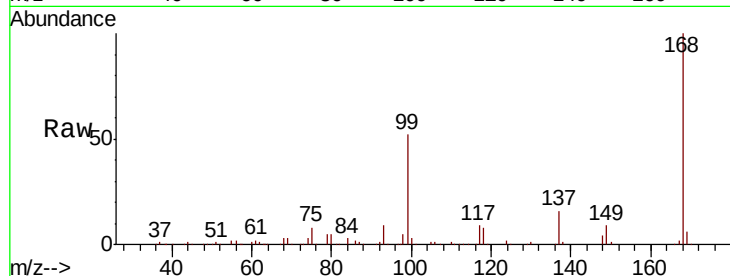




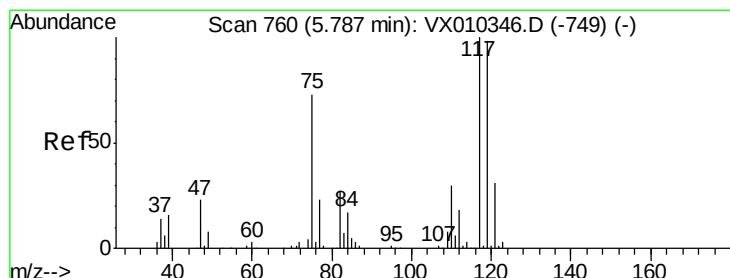
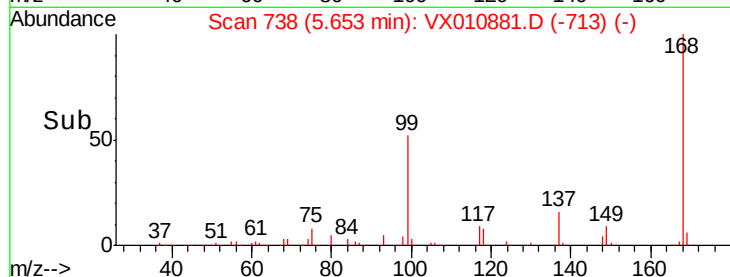
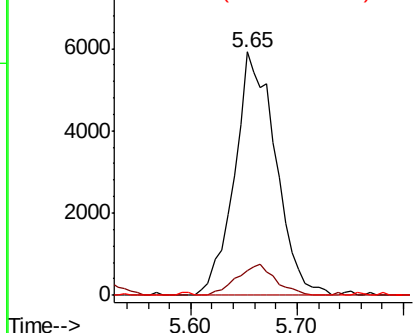
#36
 1,1-Dichloropropene
 Concen: 5.413 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010881.D
 Acq: 15 Jul 2019 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-04-190712

Tot Ion	Ratio	Lower	Upper
75	100		
110	12.0	20.8	62.2#
77	0.0	25.4	38.0#

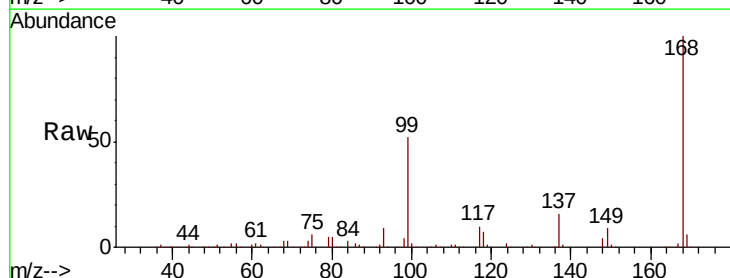


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

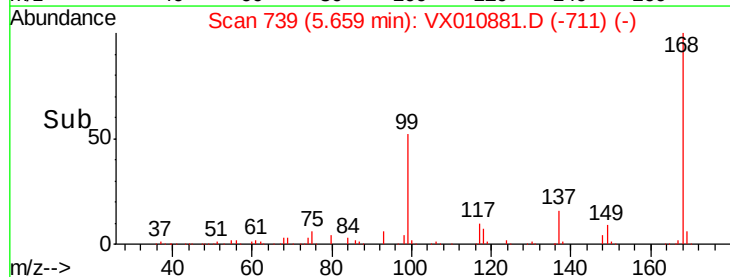
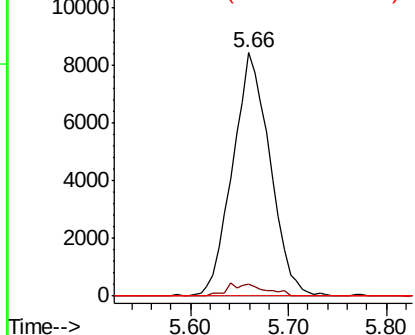


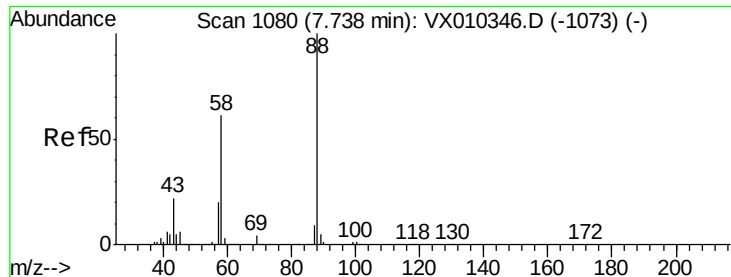
#38
 Carbon Tetrachloride
 Concen: 7.003 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010881.D
 Acq: 15 Jul 2019 13:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.2	117.4#
121	0.0	24.7	37.1#



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: 0.564 ug/l

RT: 7.59 min Scan# 1056

Delta R.T. -0.15 min

Lab File: VX010881.D

Acq: 15 Jul 2019 13:55

Instrument :

MSVOA_X

ClientSampled :

EB-04-190712

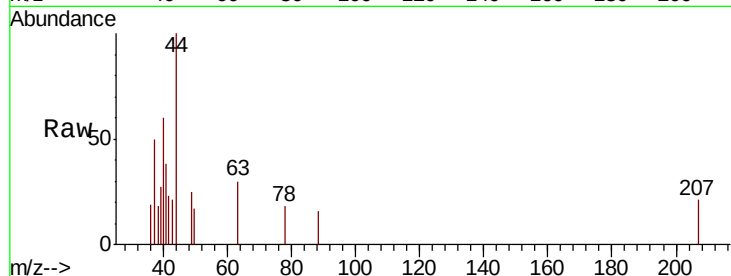
Tot Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 500.0 20.2 30.2#

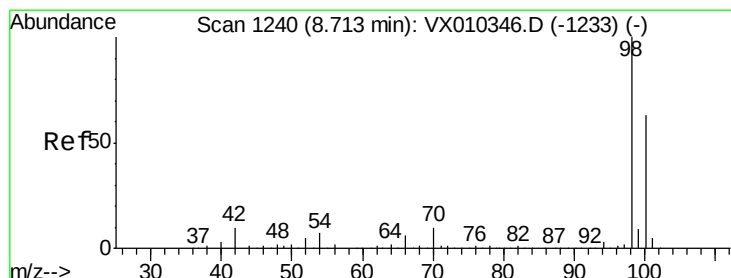
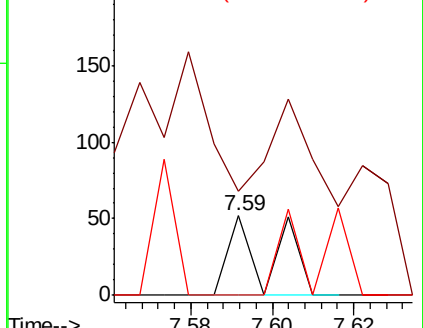
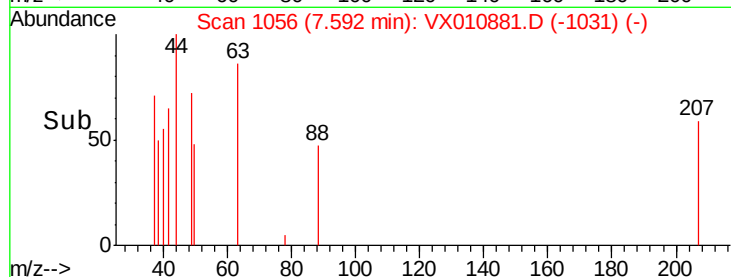
58 0.0 49.5 74.3#



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



#50

Toluene-d8

Concen: 51.316 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010881.D

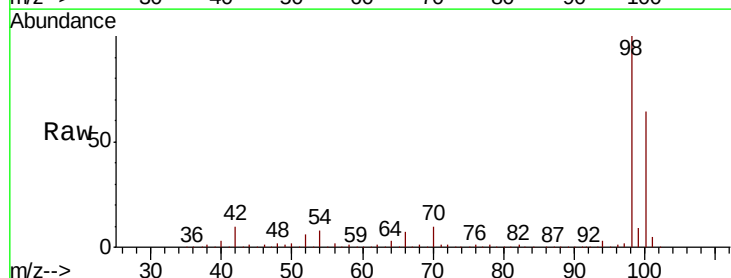
Acq: 15 Jul 2019 13:55

Tgt Ion: 98 Resp: 446958

Ion Ratio Lower Upper

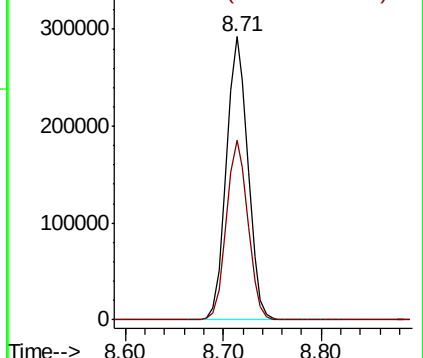
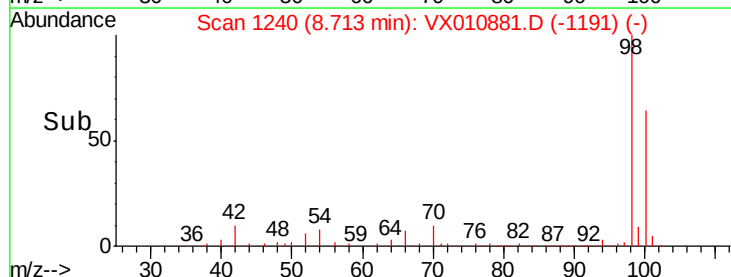
98 100

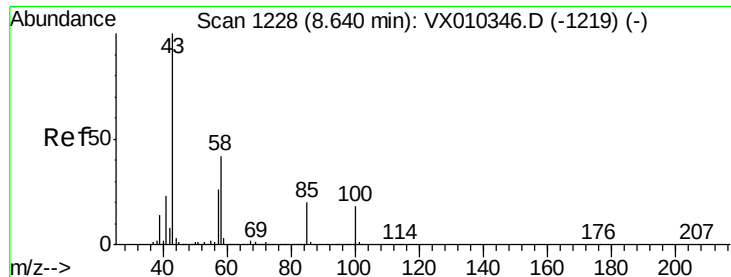
100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

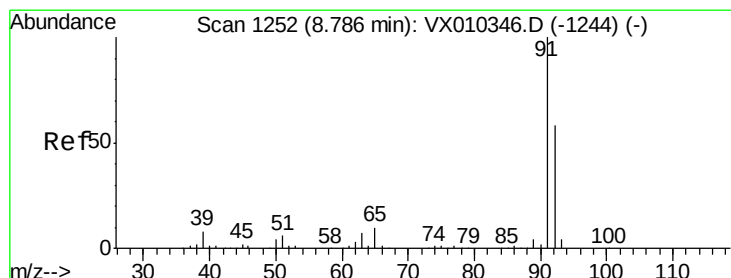
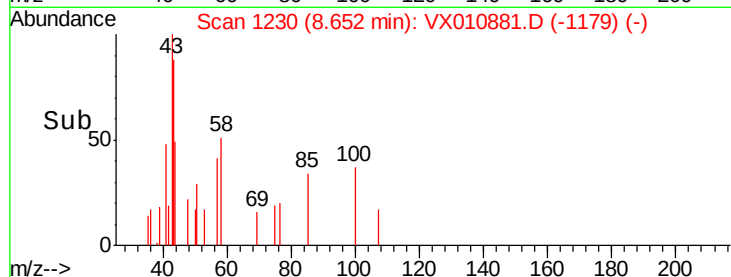
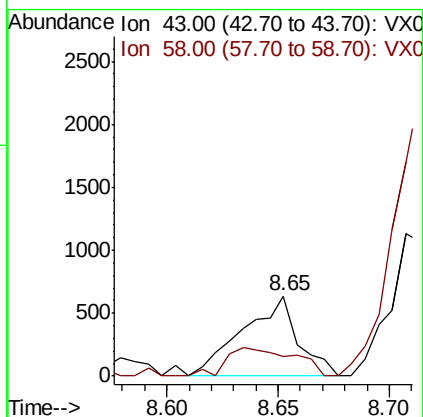
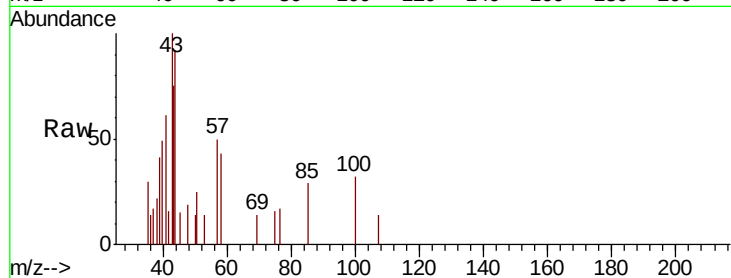




#51
4-Methyl-2-Pentanone
Concen: 0.344 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

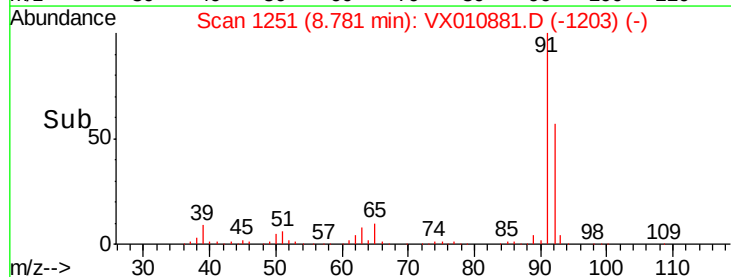
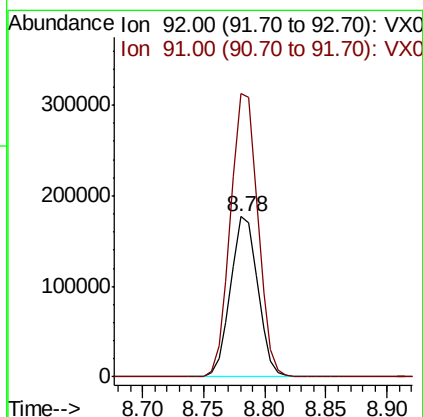
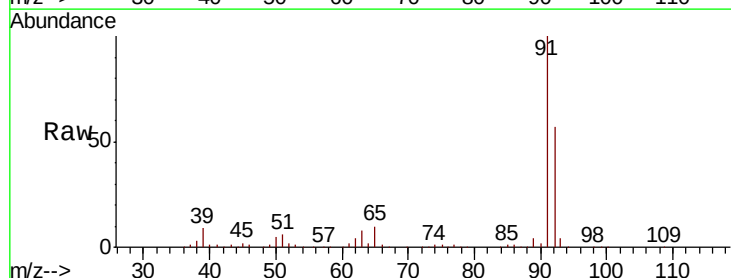
Instrument :
MSVOA_X
ClientSampleId :
EB-04-190712

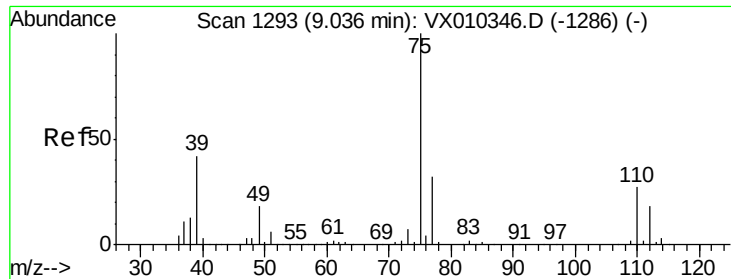
Tot Ion: 43 Resp: 1106
Ion Ratio Lower Upper
43 100
58 43.6 33.5 50.3



#52
Toluene
Concen: 44.968 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

Tgt Ion: 92 Resp: 272798
Ion Ratio Lower Upper
92 100
91 178.2 139.8 209.6

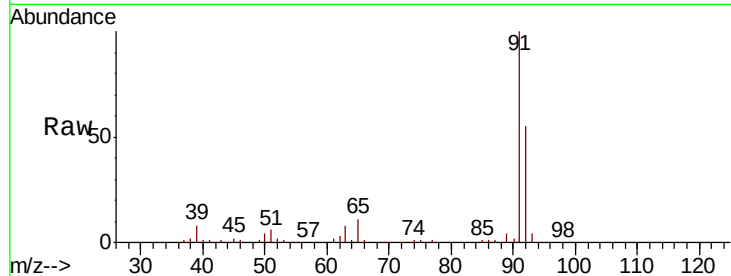




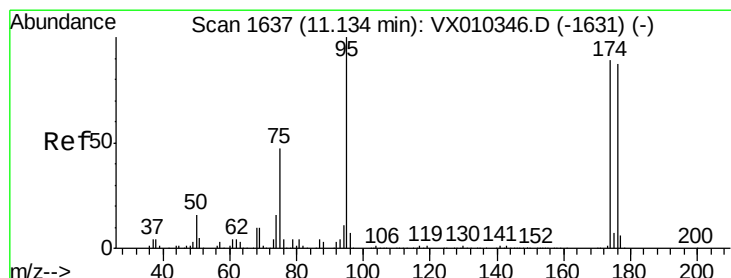
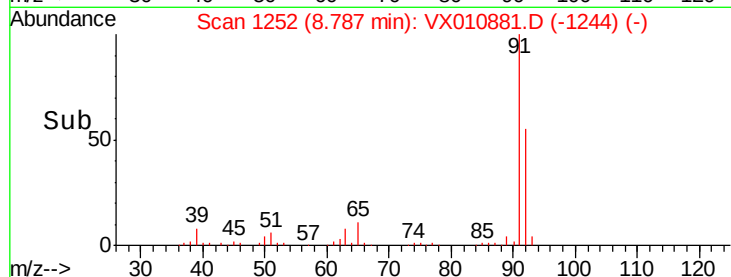
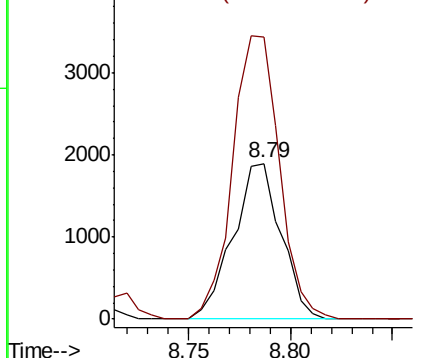
#53
t-1,3-Dichloropropene
Concen: 0.905 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.25 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

Instrument :
MSVOA_X
ClientSampleId :
EB-04-190712

Tot Ion: 75 Resp: 3105
Ion Ratio Lower Upper
75 100
77 181.3 25.4 38.2#

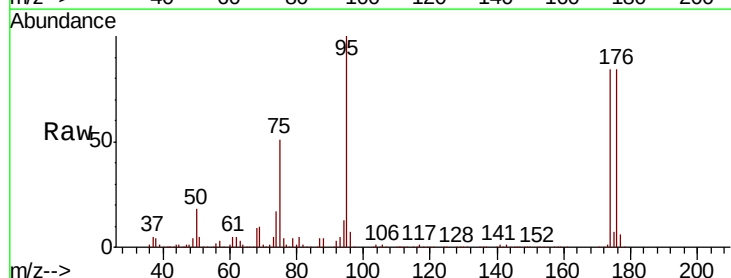


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0

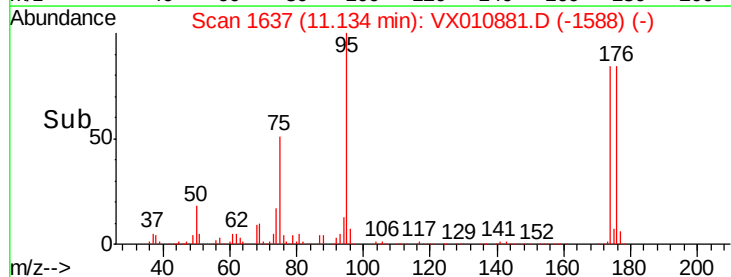
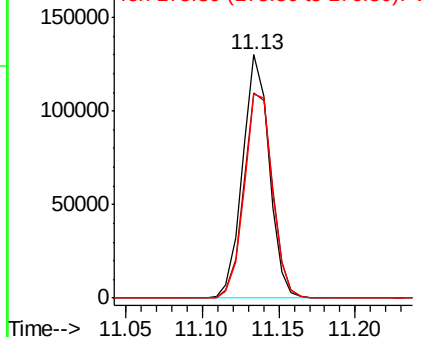


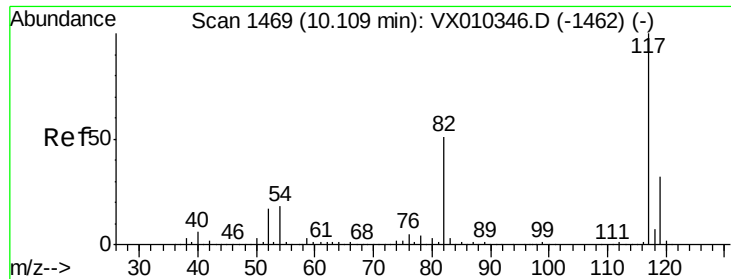
#62
4-Bromofluorobenzene
Concen: 50.044 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

Tgt Ion: 95 Resp: 157366
Ion Ratio Lower Upper
95 100
174 90.6 0.0 187.6
176 88.9 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

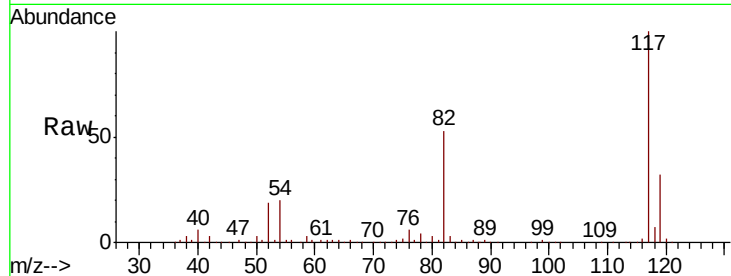




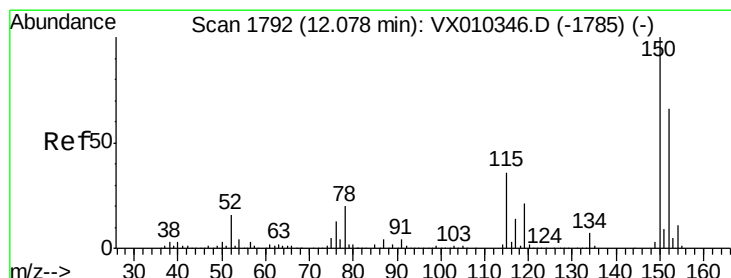
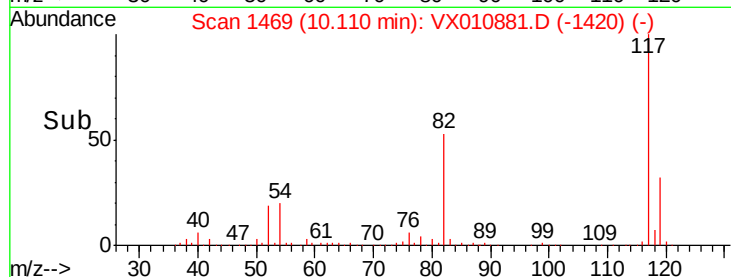
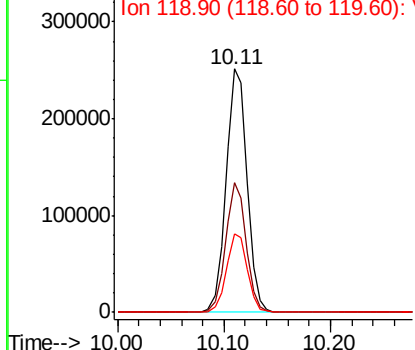
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

Instrument :
MSVOA_X
ClientSampled :
EB-04-190712

Tot Ion:117 Resp: 346135
Ion Ratio Lower Upper
117 100
82 53.3 41.2 61.8
119 32.2 25.5 38.3

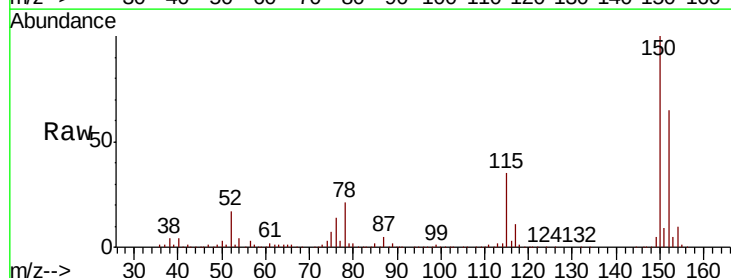


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

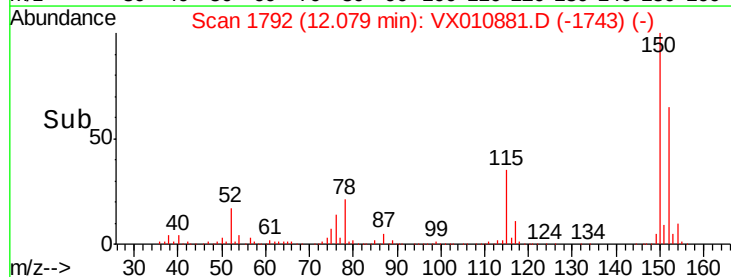
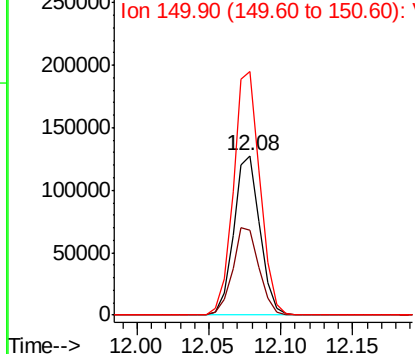


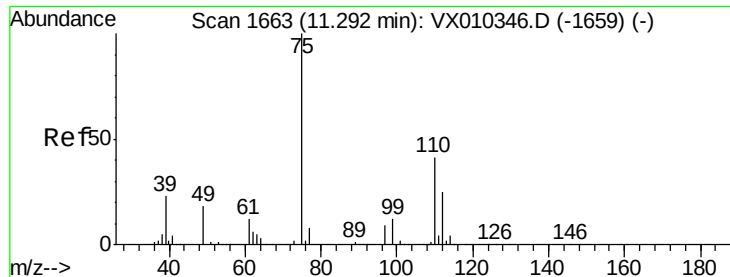
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010881.D
Acq: 15 Jul 2019 13:55

Tgt Ion:152 Resp: 161803
Ion Ratio Lower Upper
152 100
115 55.5 38.6 115.7
150 155.7 0.0 347.4



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

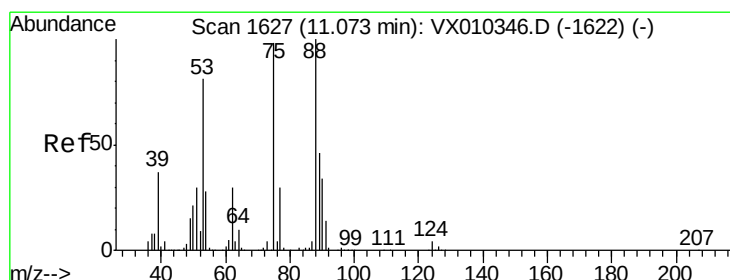
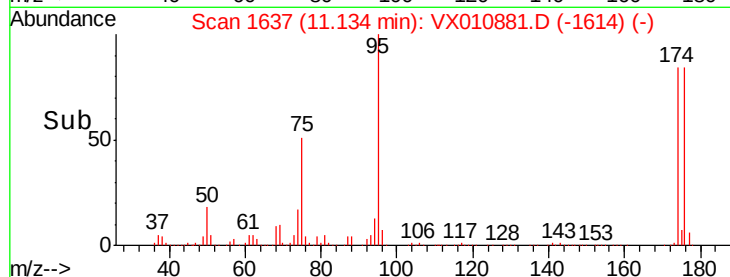
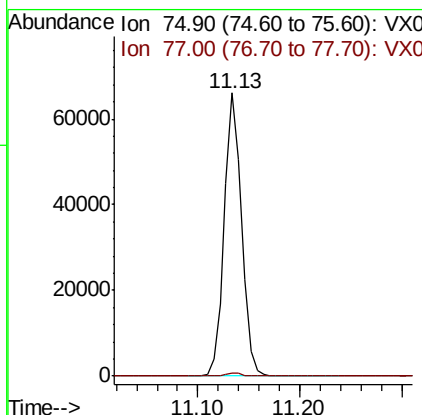
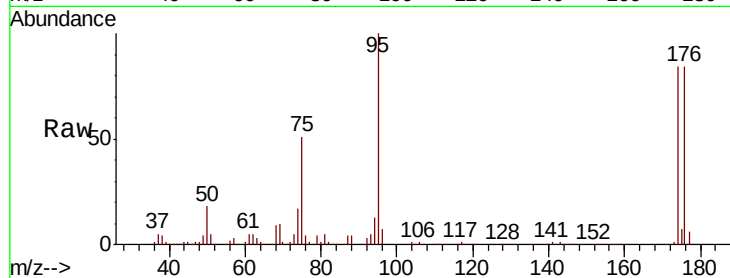




#76
 1,2,3-Trichloropropane
 Concen: 26.701 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010881.D
 Acq: 15 Jul 2019 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-04-190712

Tot Ion: 75 Resp: 78728
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.291 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010881.D
 Acq: 15 Jul 2019 13:55

Tgt Ion: 75 Resp: 78728
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.0 37.8 56.6#

