

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010626.D
 Acq On : 02 Jul 2019 18:44
 Operator : JC/SP
 Sample : K3641-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FM-5210

Quant Time: Jul 03 01:58:12 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	242609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	368011	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	153064	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	117910	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	5.50	113	113669	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.71	98	434647	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	143952	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	

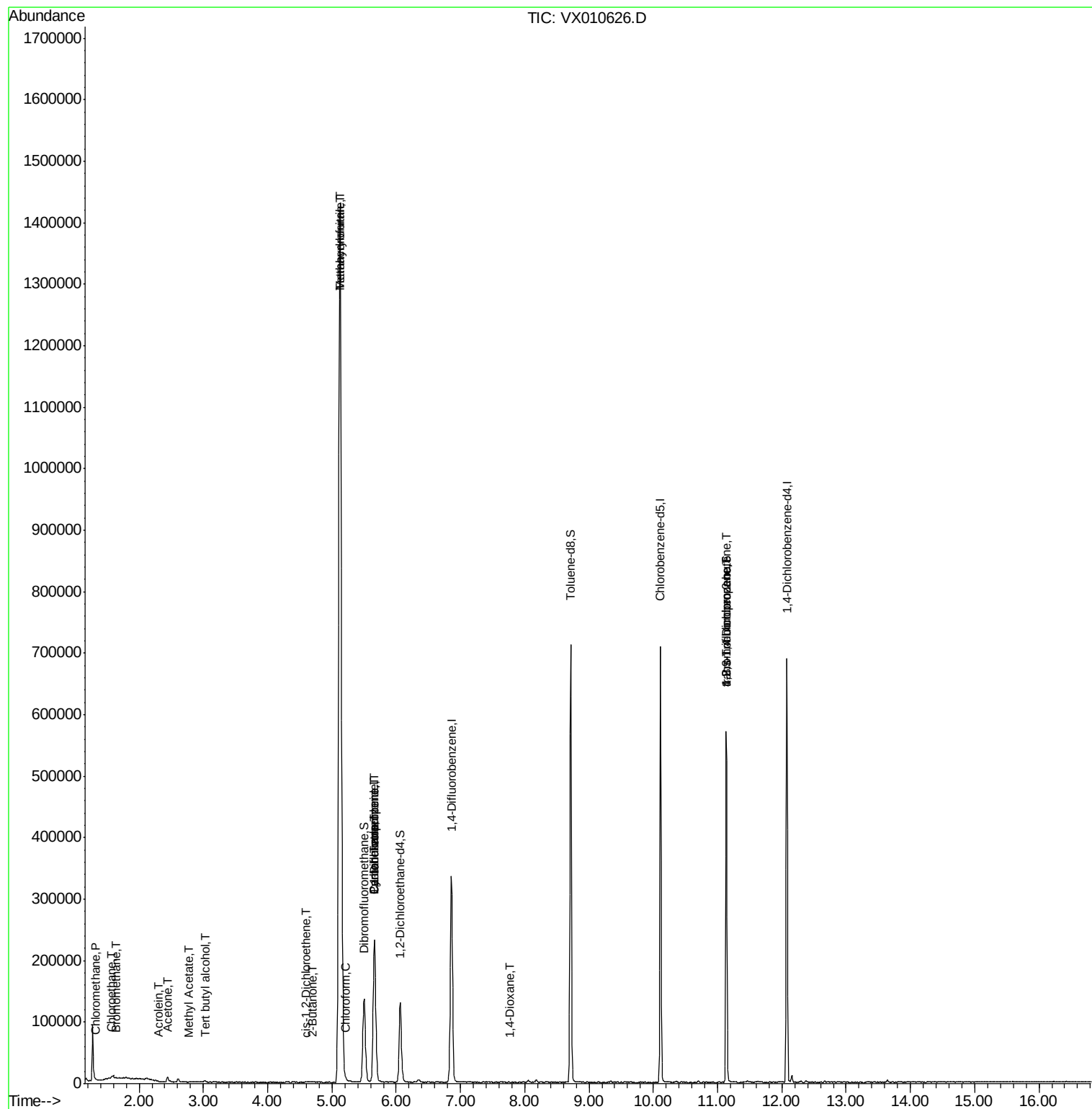
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	400	0.204	ug/l #	84
5) Bromomethane	1.65	94	262	0.250	ug/l	84
6) Chloroethane	1.56	64	1539	1.213	ug/l #	54
11) Tert butyl alcohol	3.03	59	2138	3.592	ug/l #	82
13) Acrolein	2.29	56	84	0.213	ug/l #	1
16) Acetone	2.44	43	9647	8.462	ug/l	99
18) Methyl Acetate	2.78	43	748	0.329	ug/l #	89
25) 2-Butanone	4.71	43	1053	0.630	ug/l #	86
27) cis-1,2-Dichloroethene	4.59	96	559	0.214	ug/l	87
29) Tetrahydrofuran	5.13	42	1317158	1271.628	ug/l	97
30) Chloroform	5.22	83	929	0.239	ug/l #	70
31) Cyclohexane	5.65	56	4503	1.370	ug/l #	36
36) 1,1-Dichloropropene	5.65	75	15625	5.343	ug/l #	38
38) Carbon Tetrachloride	5.67	117	21891	6.913	ug/l #	15
41) Methacrylonitrile	5.13	41	714156	432.633	ug/l #	40
49) 1,4-Dioxane	7.77	88	19	0.285	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	69711	24.993	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	69711	58.306	ug/l #	16

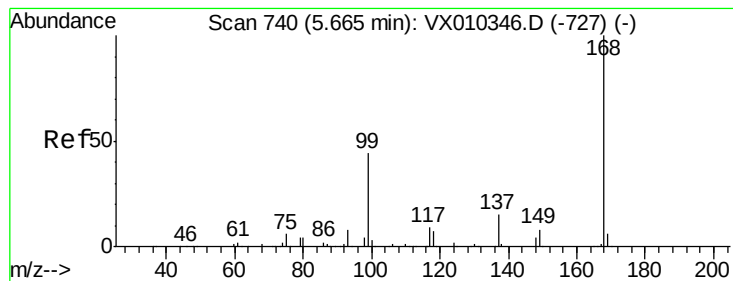
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

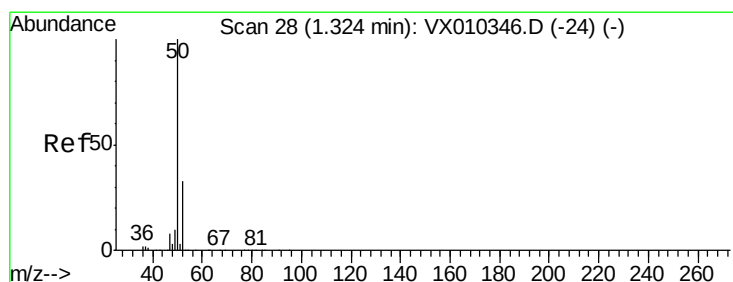
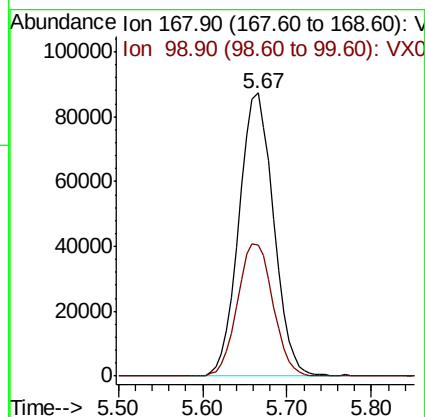
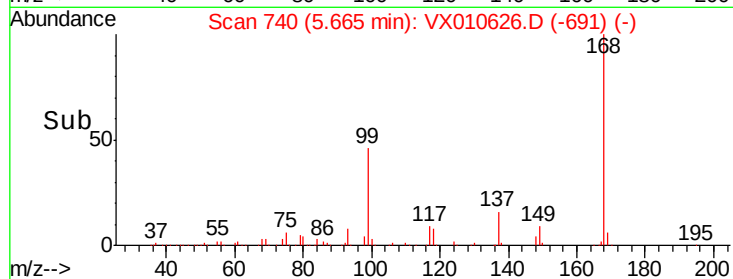
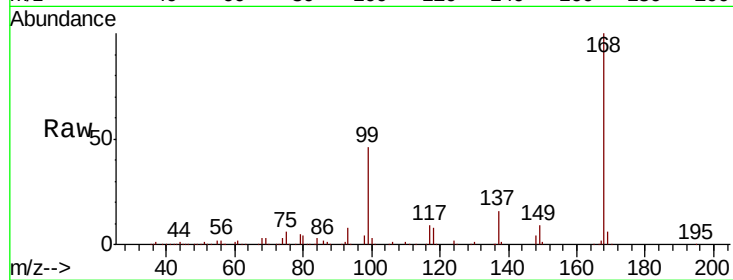
FM-5210

Tot Ion:168 Resp: 242609

Ion Ratio Lower Upper

168 100

99 46.3 35.5 53.3



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010626.D

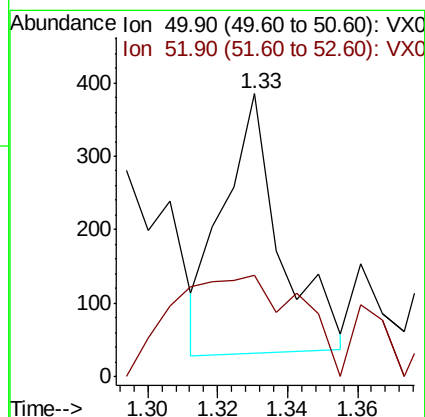
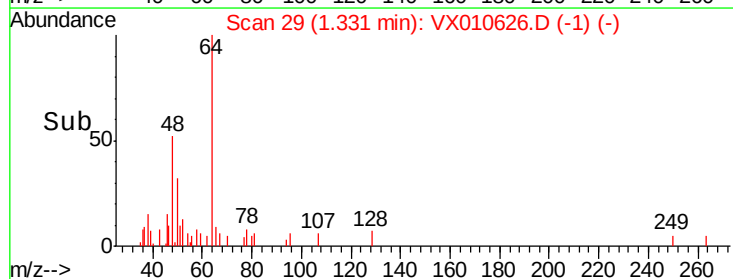
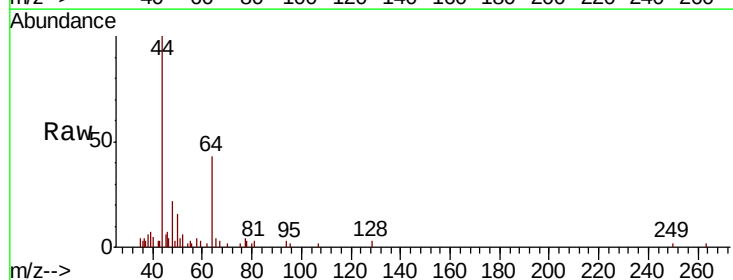
Acq: 02 Jul 2019 18:44

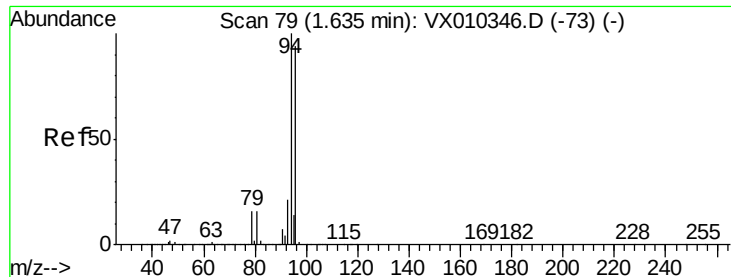
Tgt Ion: 50 Resp: 400

Ion Ratio Lower Upper

50 100

52 42.1 26.5 39.7#





#5

Bromomethane

Concen: 0.250 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

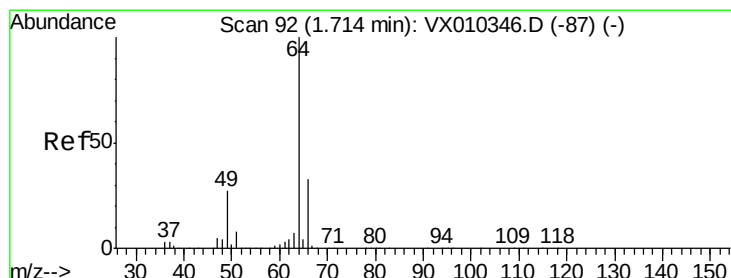
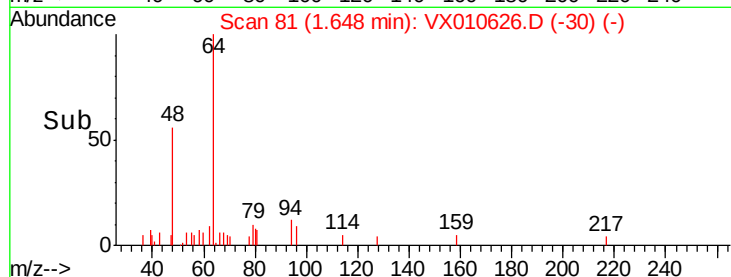
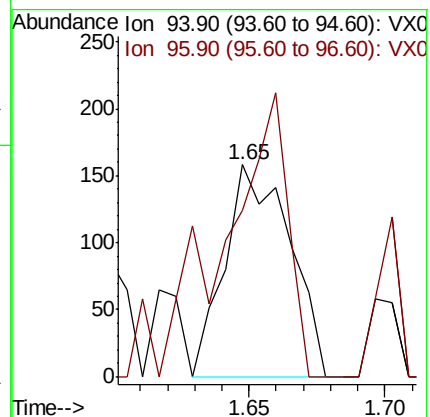
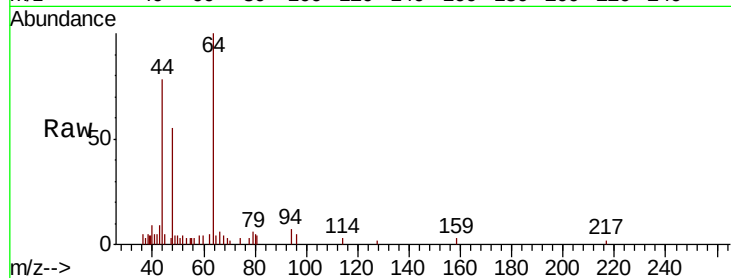
FM-5210

Tot Ion: 94 Resp: 262

Ion Ratio Lower Upper

94 100

96 78.5 75.5 113.3



#6

Chloroethane

Concen: 1.213 ug/l

RT: 1.56 min Scan# 67

Delta R.T. -0.15 min

Lab File: VX010626.D

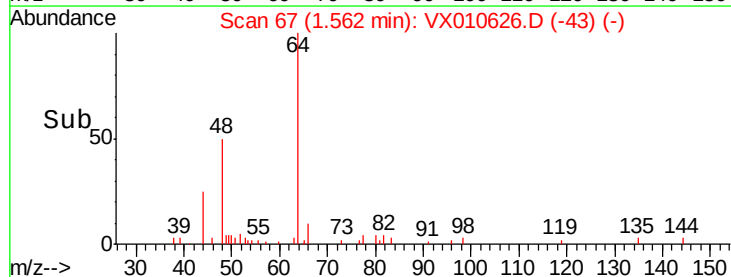
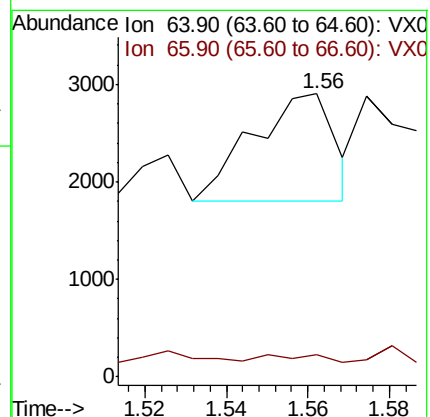
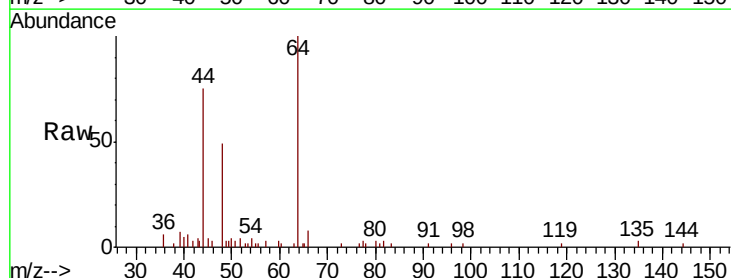
Acq: 02 Jul 2019 18:44

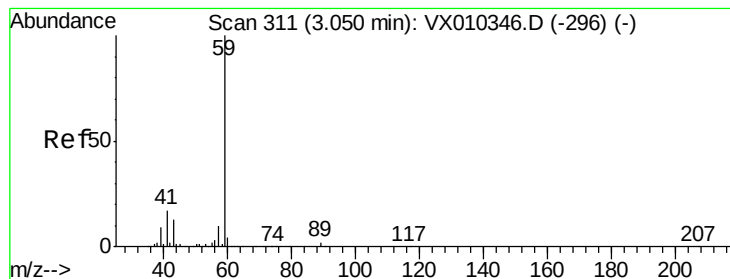
Tgt Ion: 64 Resp: 1539

Ion Ratio Lower Upper

64 100

66 7.3 26.6 40.0#



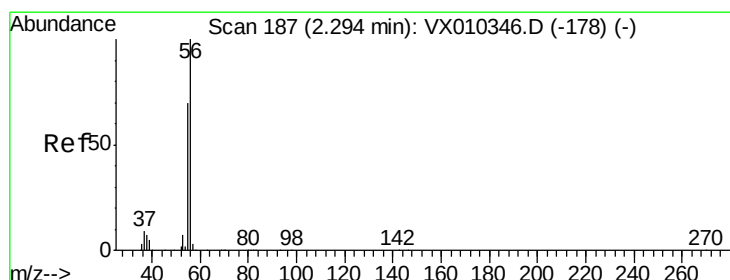
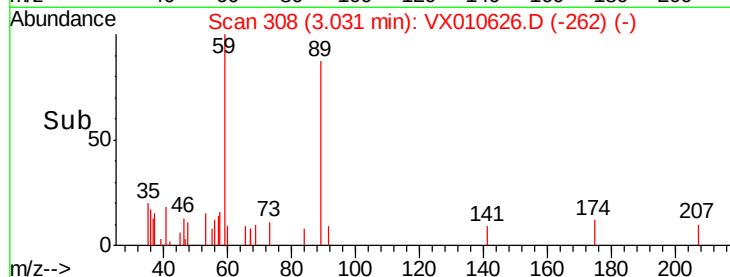
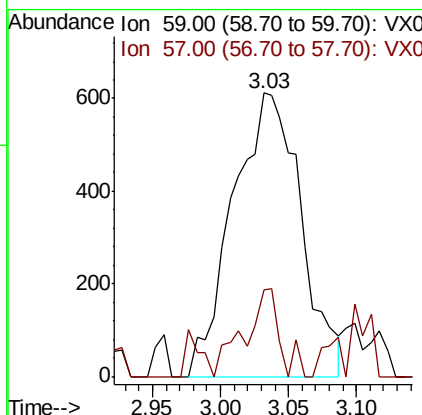
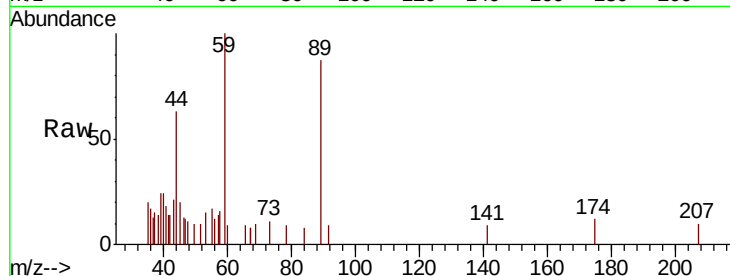


#11

Tert butyl alcohol
 Concen: 3.592 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX010626.D
 Acq: 02 Jul 2019 18:44

Instrument :
 MSVOA_X
 ClientSampled :
 FM-5210

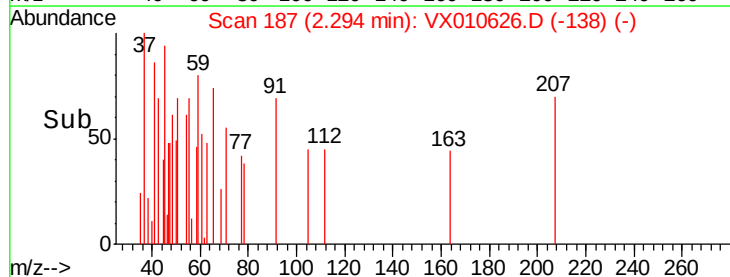
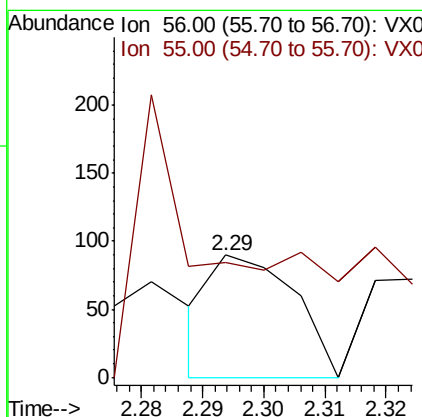
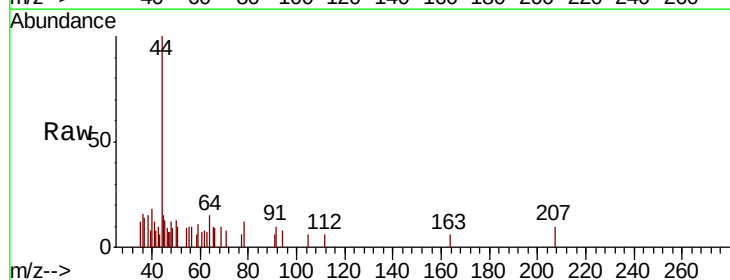
Tot Ion: 59 Resp: 2138
 Ion Ratio Lower Upper
 59 100
 57 16.1 7.7 11.5#

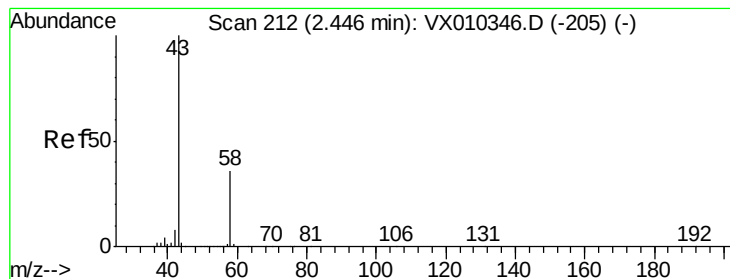


#13

Acrolein
 Concen: 0.213 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX010626.D
 Acq: 02 Jul 2019 18:44

Tgt Ion: 56 Resp: 84
 Ion Ratio Lower Upper
 56 100
 55 197.6 56.9 85.3#





#16

Acetone

Concen: 8.462 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampleId :

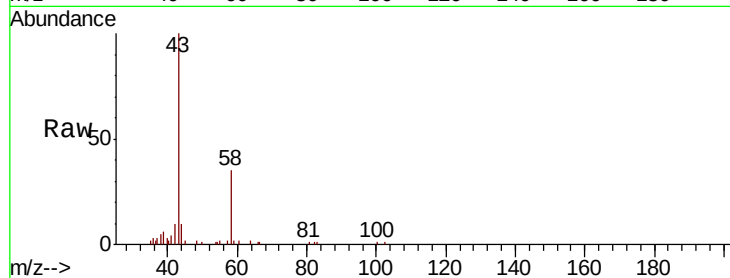
FM-5210

Tot Ion: 43 Resp: 9647

Ion Ratio Lower Upper

43 100

58 35.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

6000

5000

4000

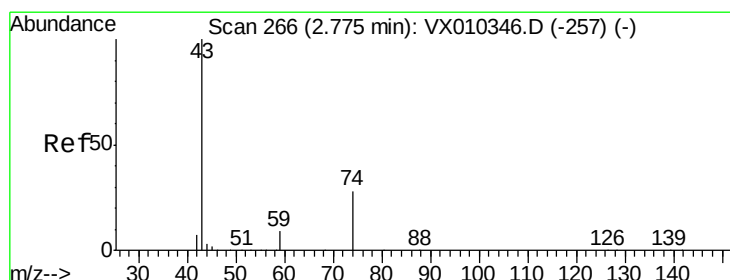
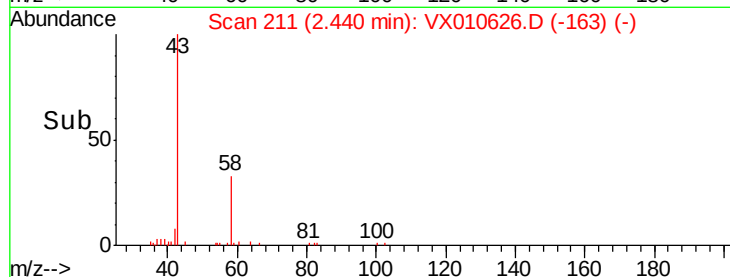
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 0.329 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010626.D

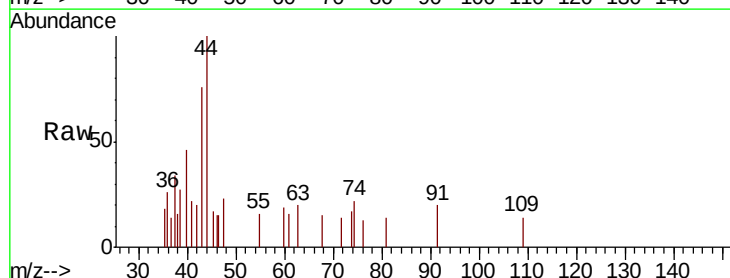
Acq: 02 Jul 2019 18:44

Tgt Ion: 43 Resp: 748

Ion Ratio Lower Upper

43 100

74 20.9 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

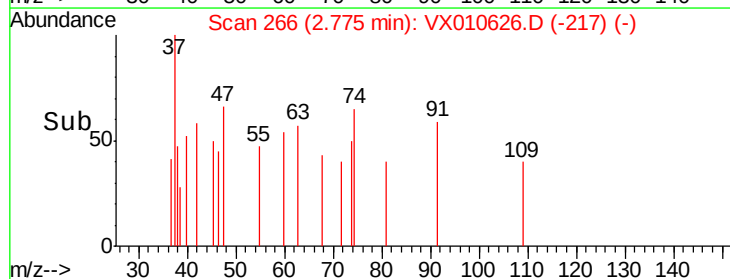
300

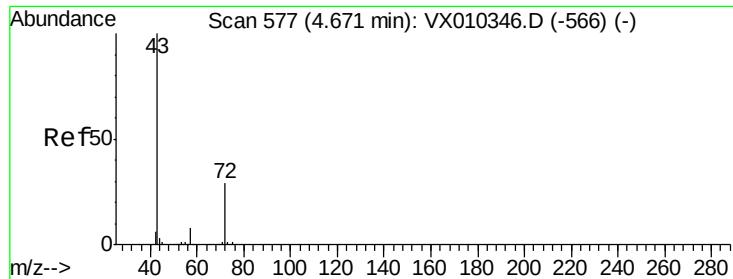
200

100

0

Time--> 2.75 2.80





#25

2-Butanone

Concen: 0.630 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.04 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

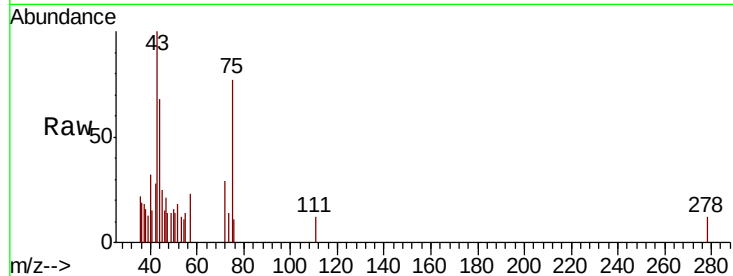
FM-5210

Tot Ion: 43 Resp: 1053

Ion Ratio Lower Upper

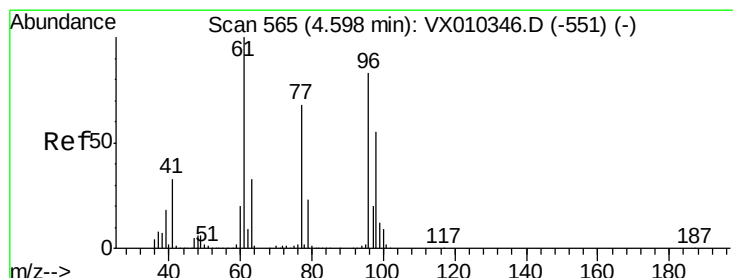
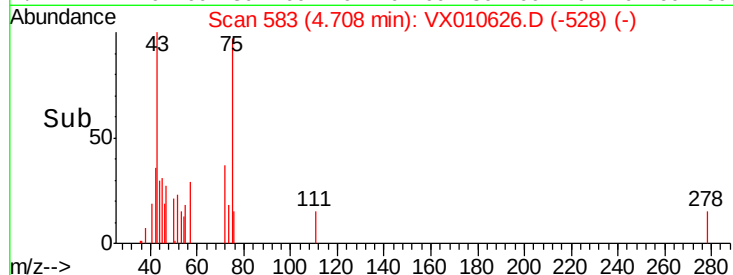
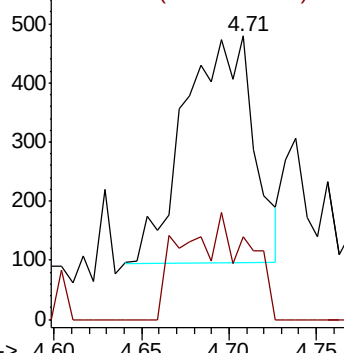
43 100

72 36.6 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.214 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

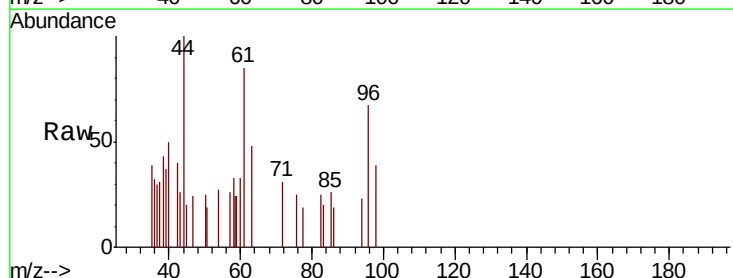
Tgt Ion: 96 Resp: 559

Ion Ratio Lower Upper

96 100

61 115.0 0.0 251.8

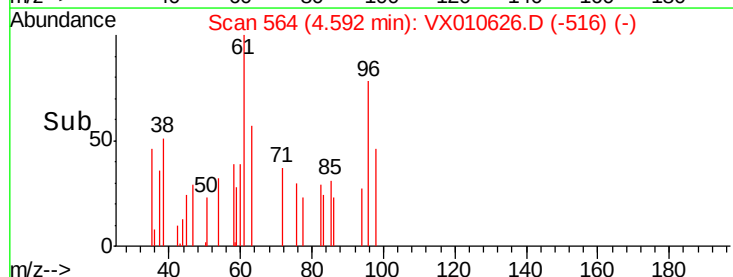
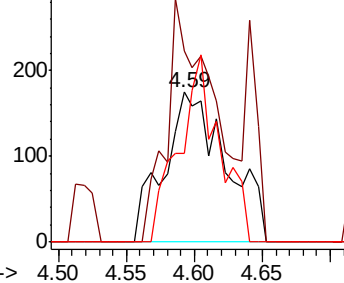
98 81.4 0.0 129.4

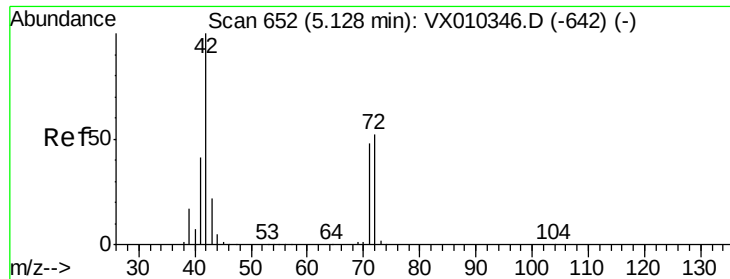


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 1271.628 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

FM-5210

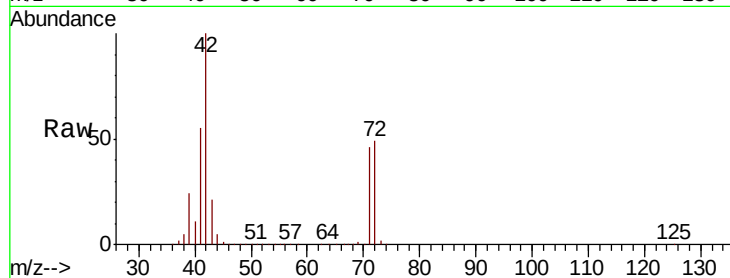
Tot Ion: 42 Resp: 1317158

Ion Ratio Lower Upper

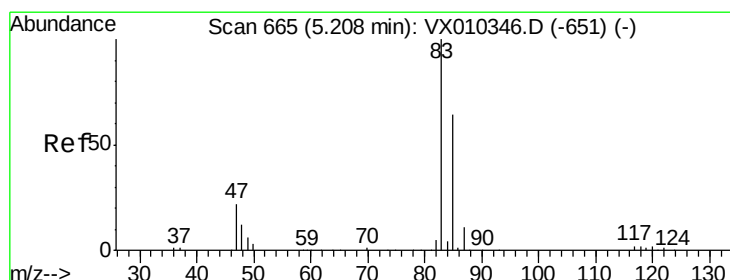
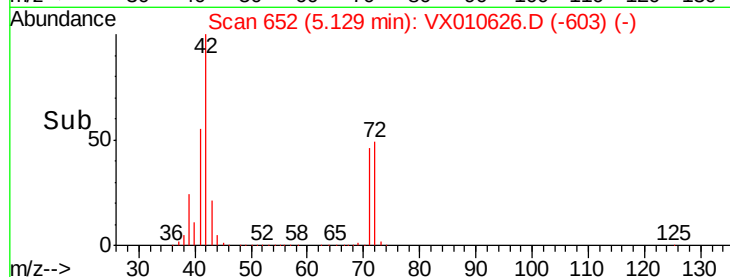
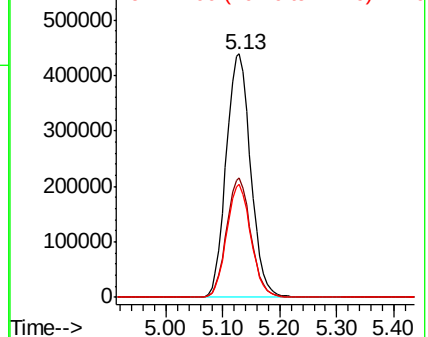
42 100

72 48.5 40.6 60.8

71 45.9 37.8 56.8



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.239 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX010626.D

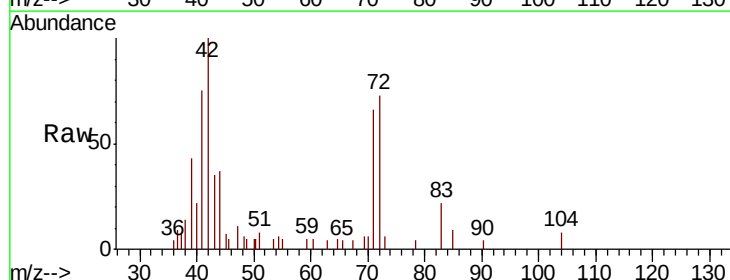
Acq: 02 Jul 2019 18:44

Tgt Ion: 83 Resp: 929

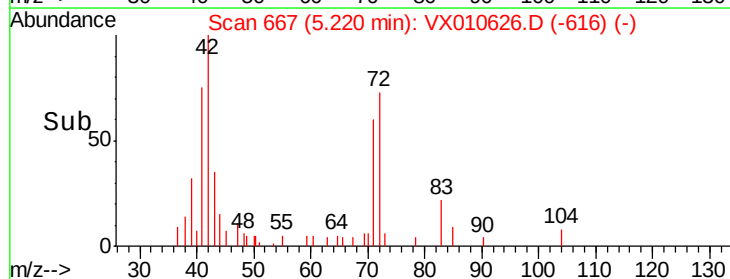
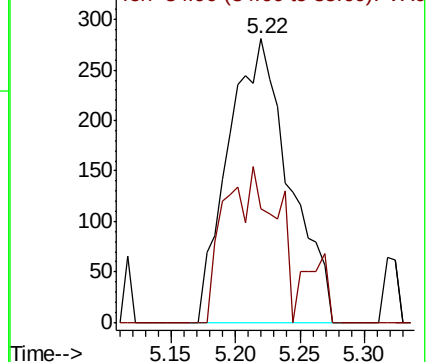
Ion Ratio Lower Upper

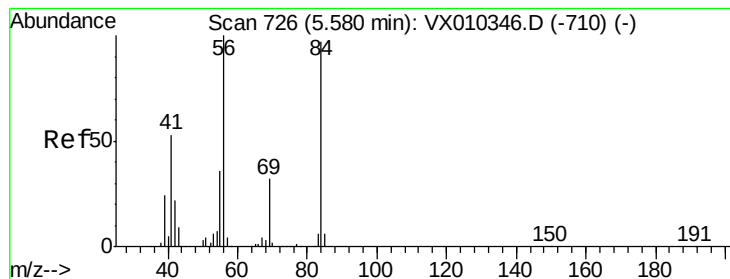
83 100

85 40.2 50.9 76.3#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.370 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

Instrument :

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ClientSampled :

FM-5210

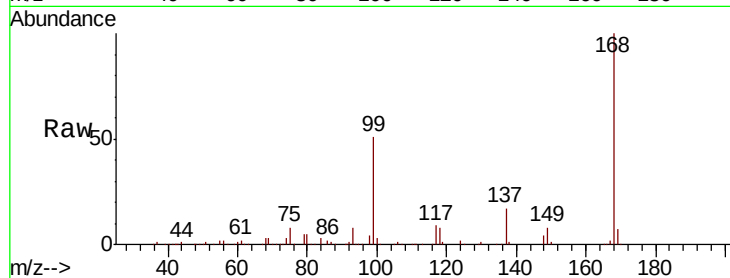
Tot Ion: 56 Resp: 4503

Ion Ratio Lower Upper

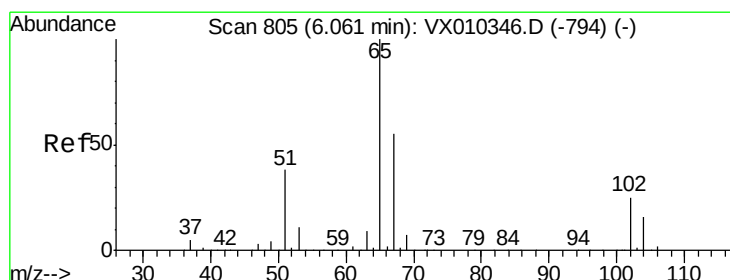
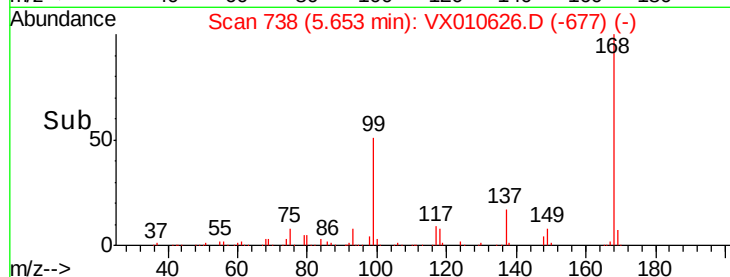
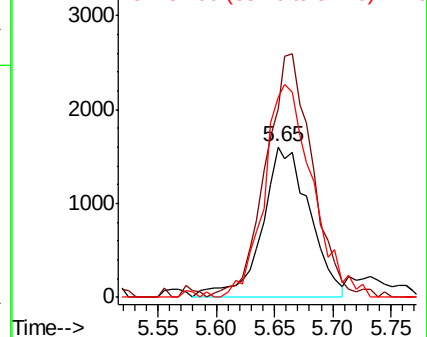
56 100

69 121.2 25.9 38.9#

84 129.3 78.0 117.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.835 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010626.D

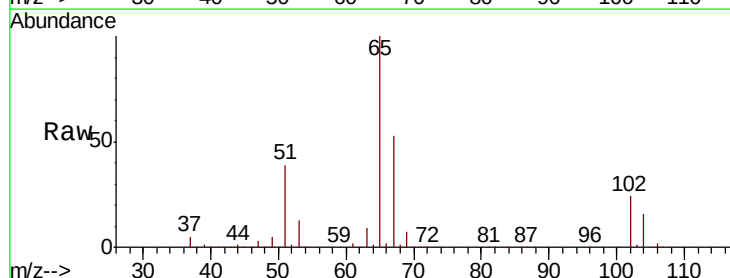
Acq: 02 Jul 2019 18:44

Tgt Ion: 65 Resp: 117910

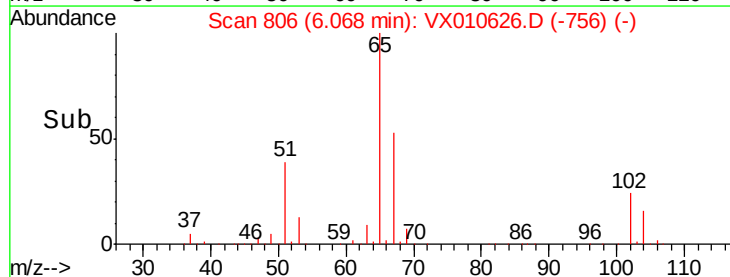
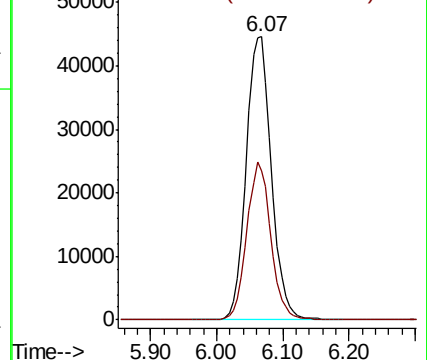
Ion Ratio Lower Upper

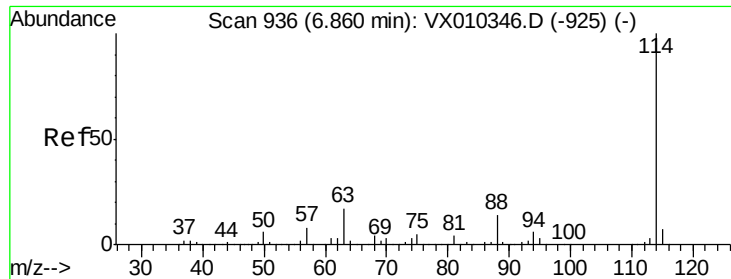
65 100

67 53.3 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

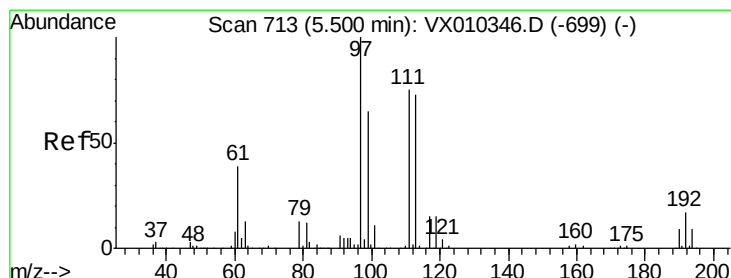
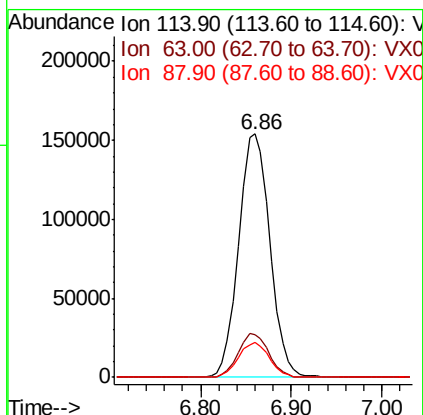
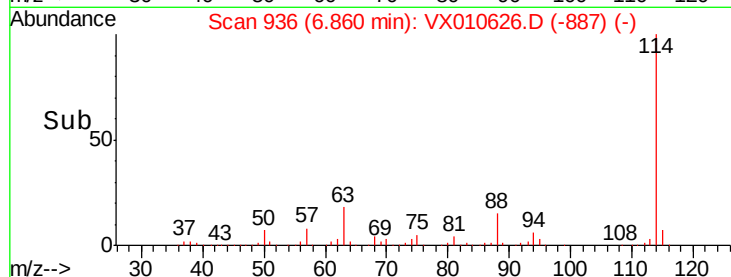
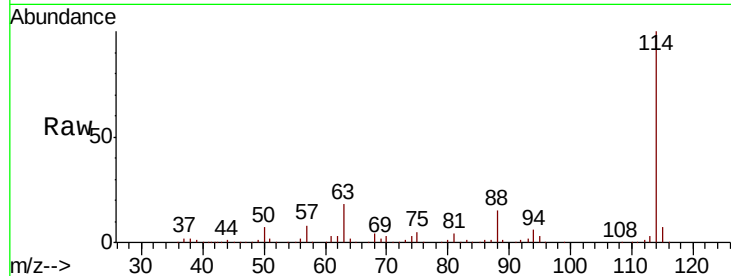




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010626.D
Acq: 02 Jul 2019 18:44

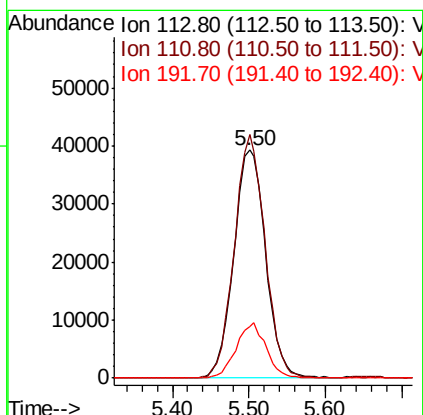
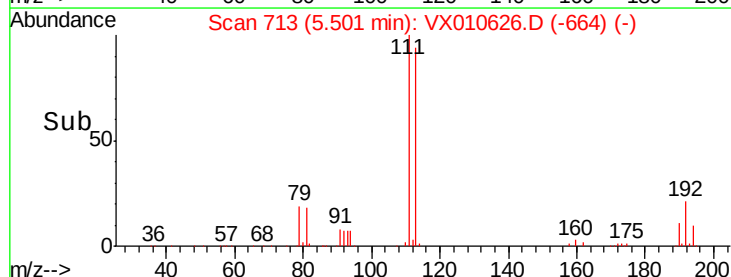
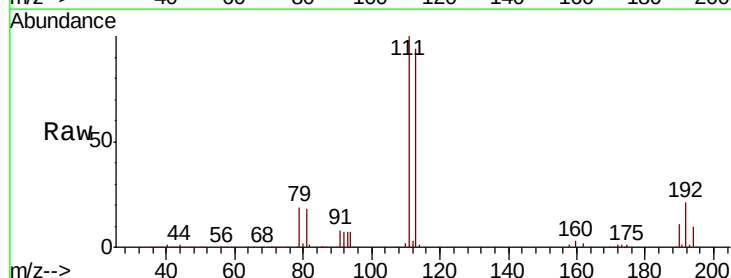
Instrument :
MSVOA_X
ClientSampleId :
FM-5210

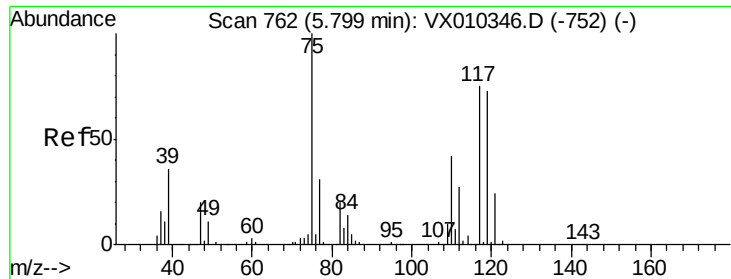
Tot Ion:114 Resp: 368011
Ion Ratio Lower Upper
114 100
63 17.6 0.0 33.8
88 14.6 0.0 27.6



#35
Dibromofluoromethane
Concen: 50.483 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010626.D
Acq: 02 Jul 2019 18:44

Tgt Ion:113 Resp: 113669
Ion Ratio Lower Upper
113 100
111 102.5 81.2 121.8
192 22.7 18.6 27.8

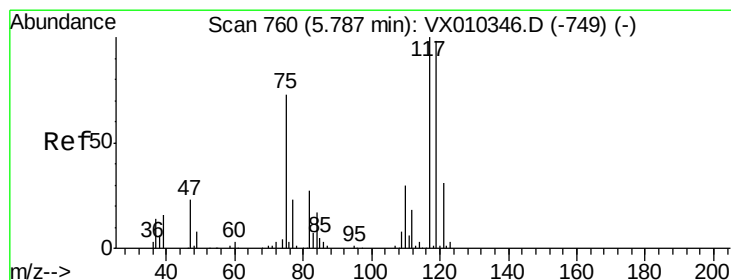
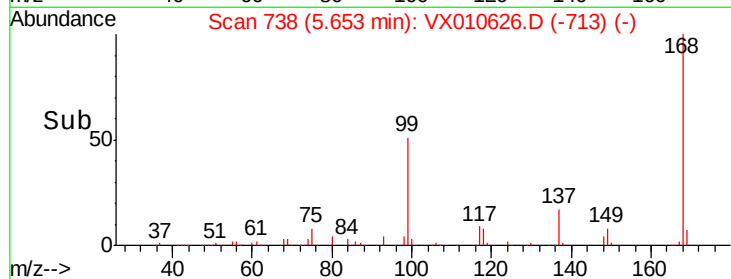
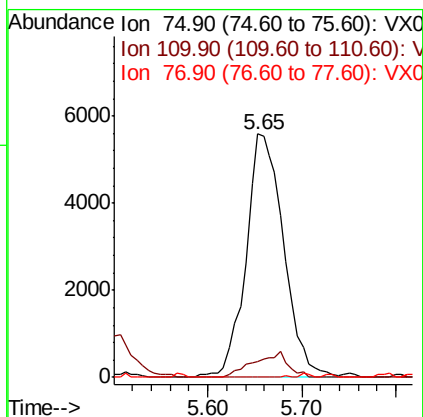
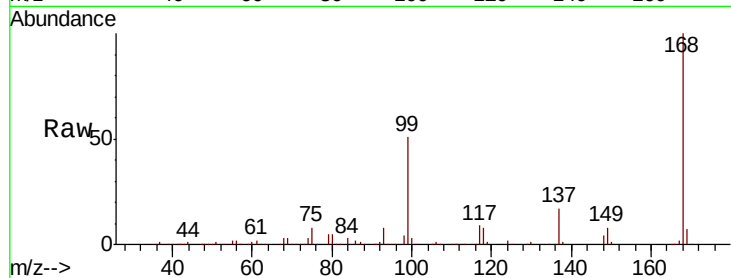




#36
 1,1-Dichloropropene
 Concen: 5.343 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX010626.D
 Acq: 02 Jul 2019 18:44

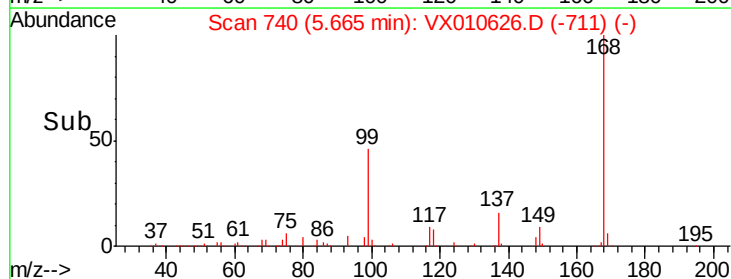
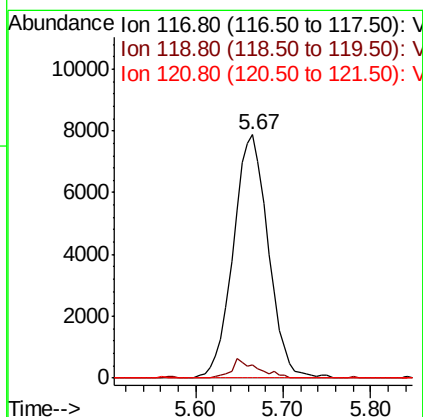
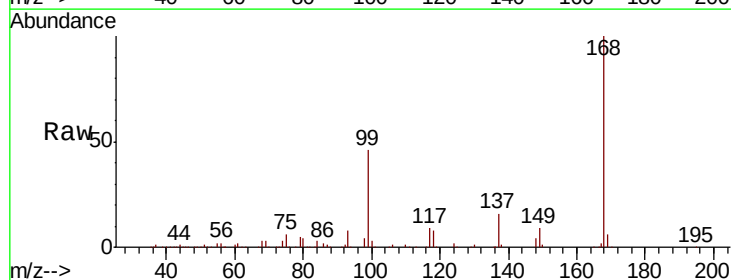
Instrument :
 MSVOA_X
 ClientSampled :
 FM-5210

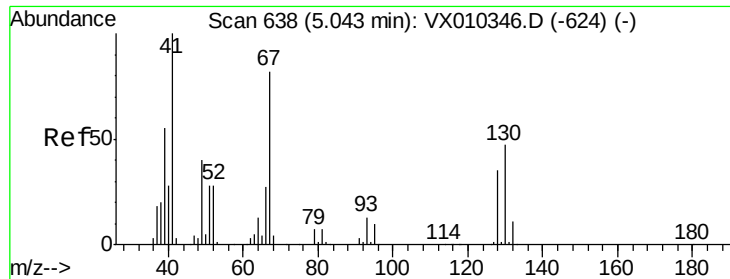
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	20.8	62.2#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.913 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010626.D
 Acq: 02 Jul 2019 18:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.2	117.4#
121	0.0	24.7	37.1#





#41

Methacrylonitrile

Concen: 432.633 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.09 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

FM-5210

Tot Ion: 41 Resp: 714156

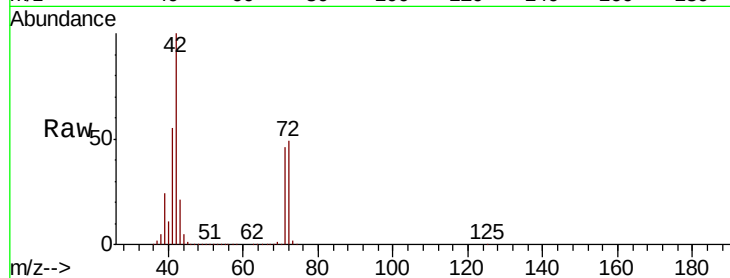
Ion Ratio Lower Upper

41 100

39 45.3 43.8 65.8

67 0.0 66.6 100.0#

52 0.1 24.5 36.7#

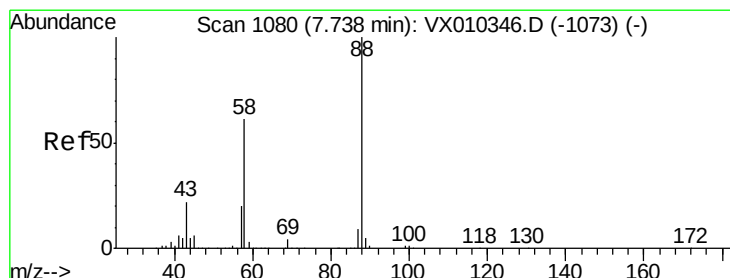
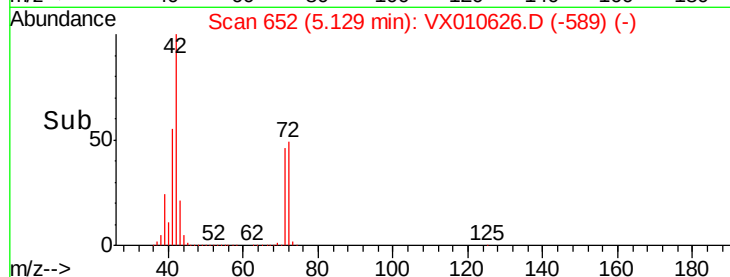
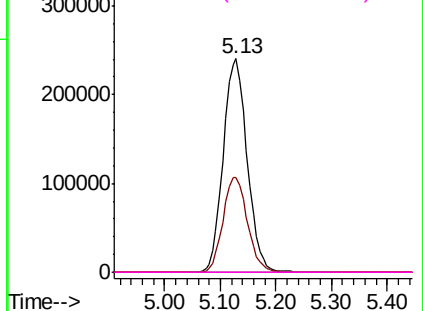


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#49

1,4-Dioxane

Concen: 0.285 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

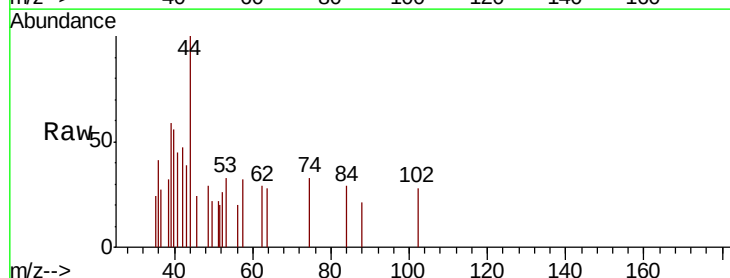
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

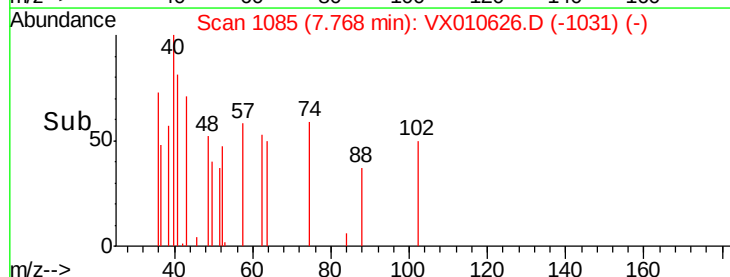
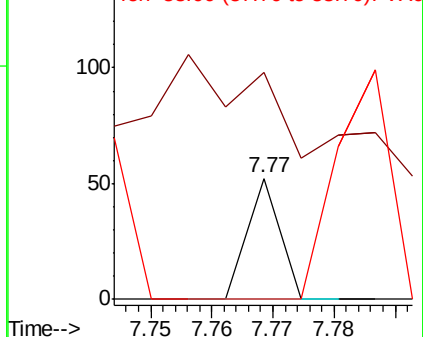
58 315.8 49.5 74.3#

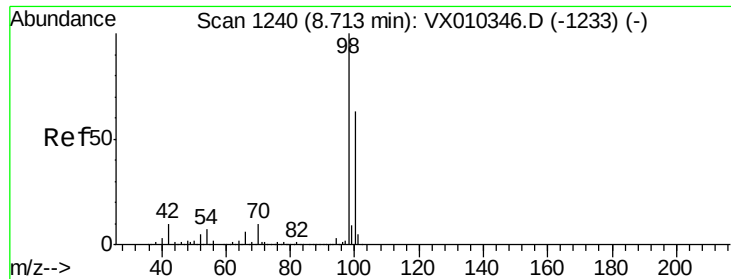


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

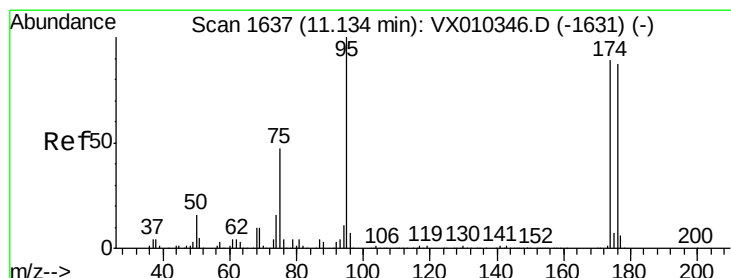
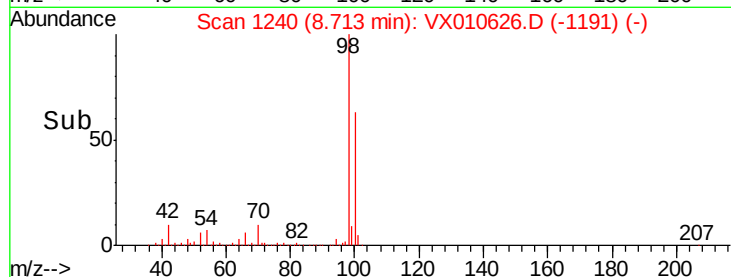
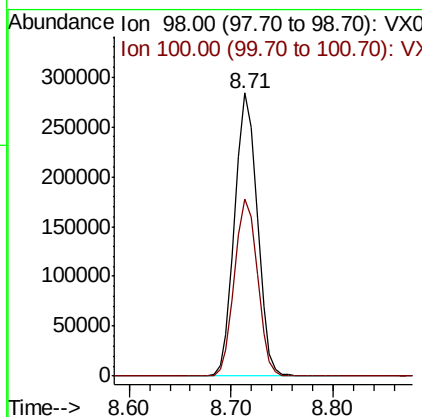
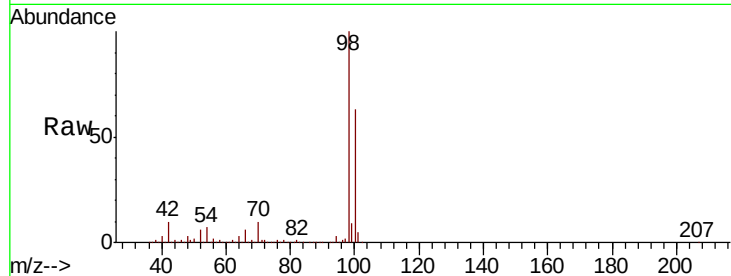




#50
Toluene-d8
Concen: 50.457 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010626.D
Acq: 02 Jul 2019 18:44

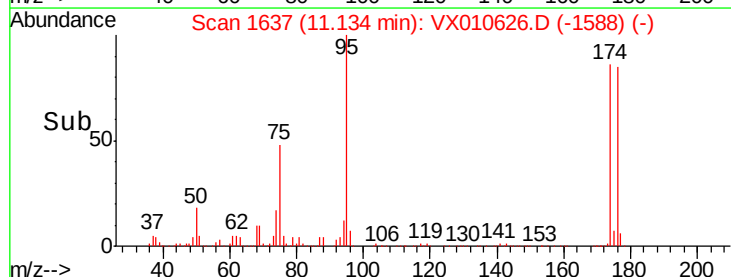
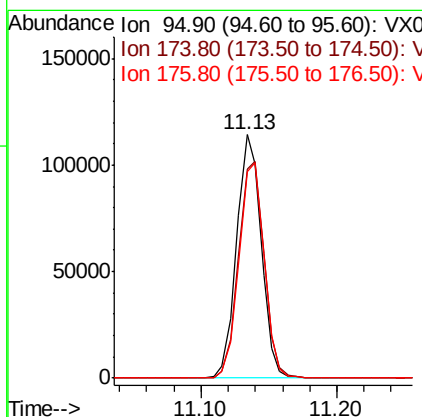
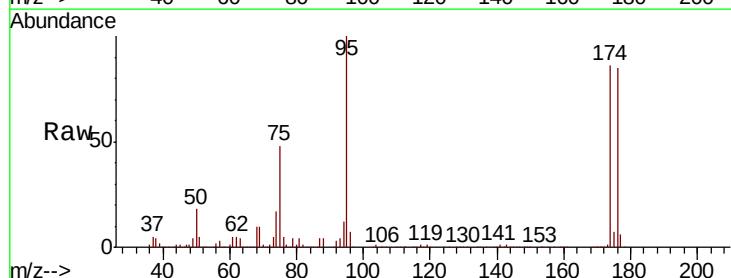
Instrument :
MSVOA_X
ClientSampled :
FM-5210

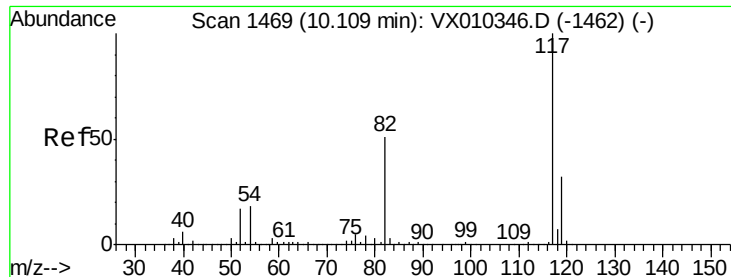
Tot Ion: 98 Resp: 434647
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.287 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010626.D
Acq: 02 Jul 2019 18:44

Tgt Ion: 95 Resp: 143952
Ion Ratio Lower Upper
95 100
174 92.5 0.0 187.6
176 90.6 0.0 184.0

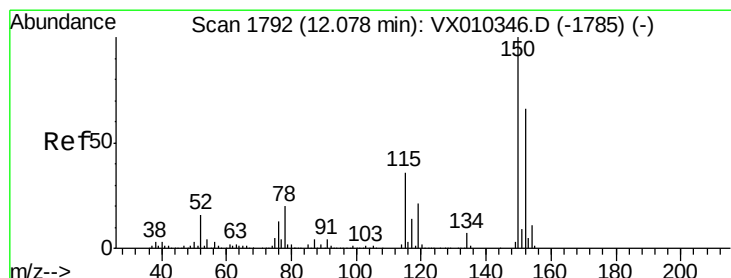
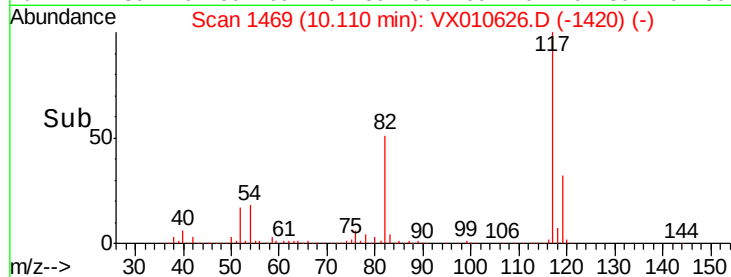
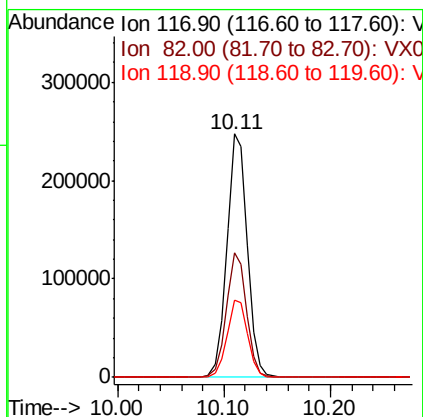
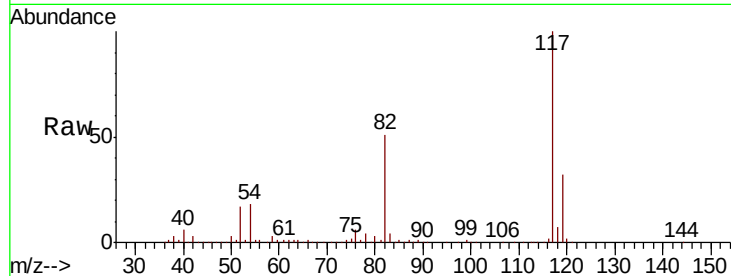




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010626.D
Acq: 02 Jul 2019 18:44

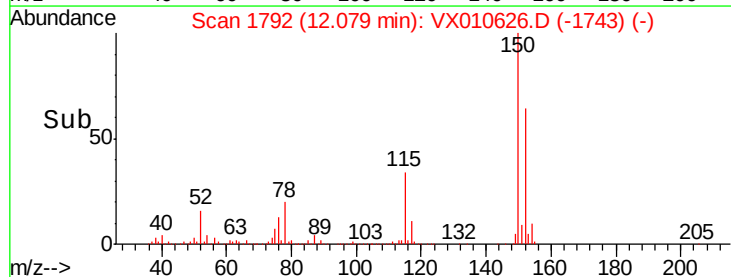
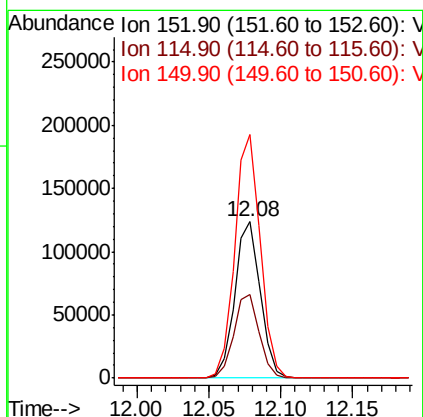
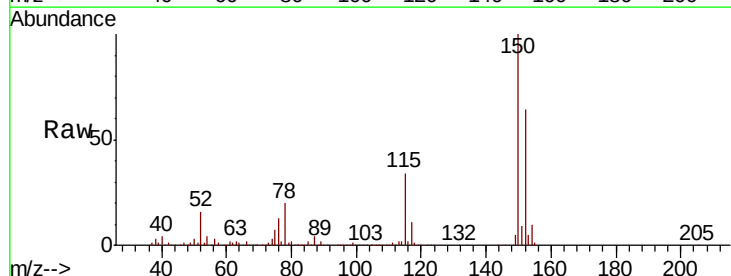
Instrument :
MSVOA_X
ClientSampleId :
FM-5210

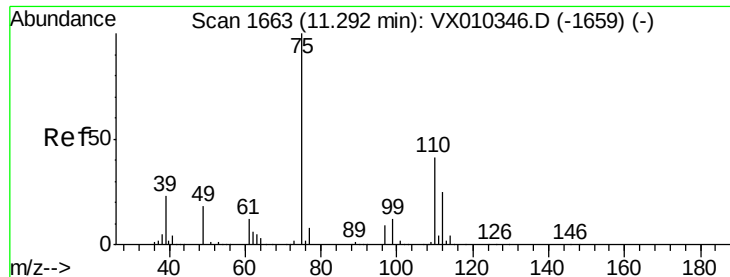
Tot Ion:117 Resp: 332456
Ion Ratio Lower Upper
117 100
82 51.3 41.2 61.8
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010626.D
Acq: 02 Jul 2019 18:44

Tgt Ion:152 Resp: 153064
Ion Ratio Lower Upper
152 100
115 53.7 38.6 115.7
150 155.8 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 24.993 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

Instrument :

MSVOA_X

ClientSampled :

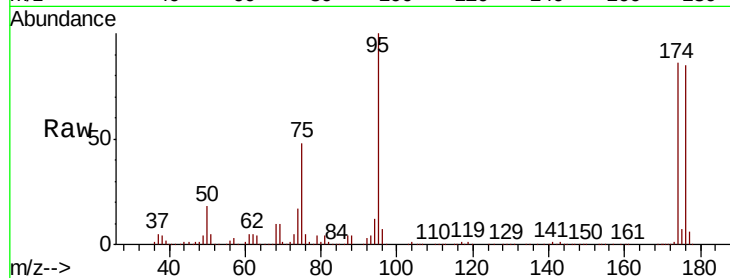
FM-5210

Tot Ion: 75 Resp: 69711

Ion Ratio Lower Upper

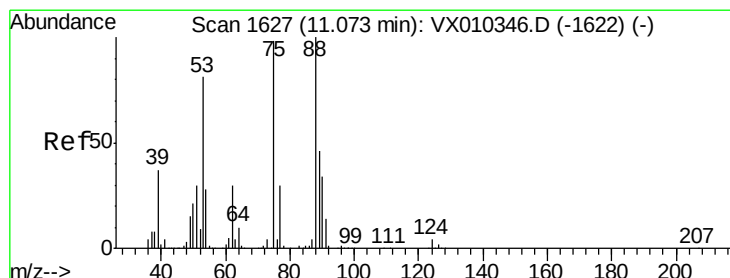
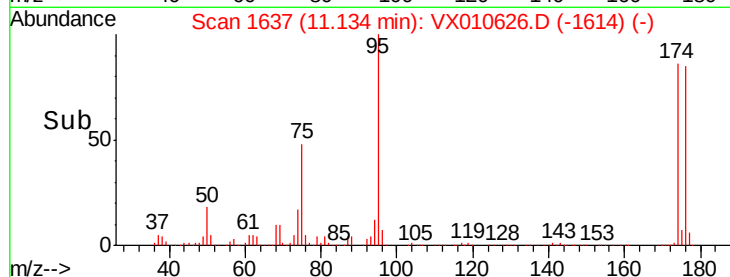
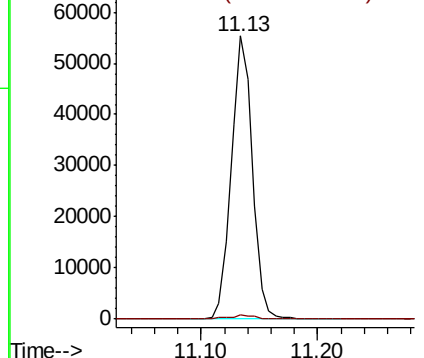
75 100

77 1.9 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 58.306 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010626.D

Acq: 02 Jul 2019 18:44

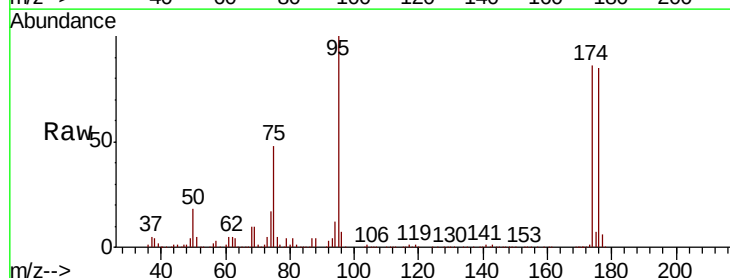
Tgt Ion: 75 Resp: 69711

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

