

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040619\
 Data File : VX008733.D
 Acq On : 06 Apr 2019 20:08
 Operator : JC/SP
 Sample : K2295-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB04-190403

Quant Time: Apr 08 01:57:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	211425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350729	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125398	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	143157	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
35) Dibromofluoromethane	5.50	113	105564	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
50) Toluene-d8	8.71	98	439866	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.13	95	144896	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	

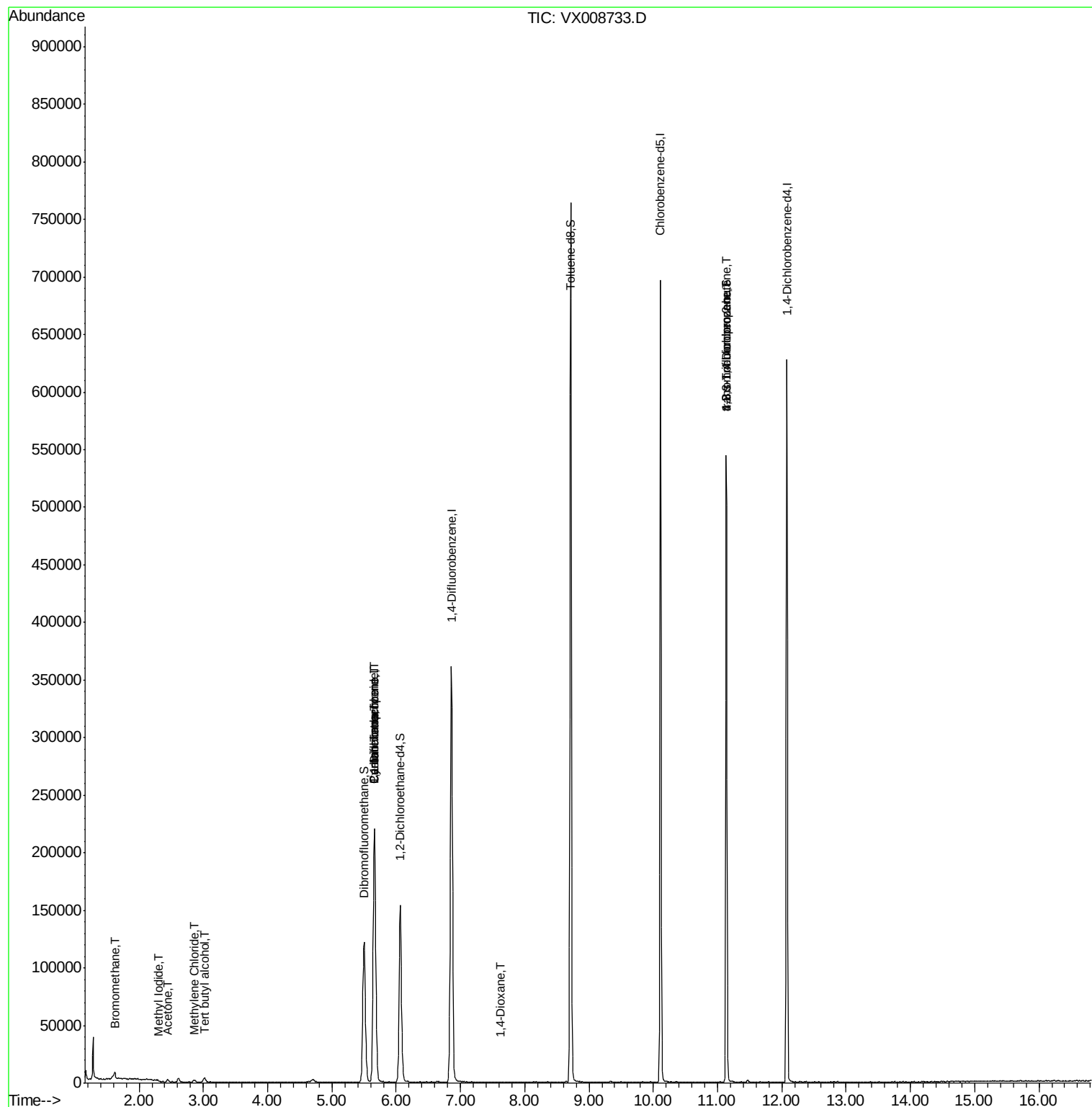
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	400	Below Cal	#	52
5) Bromomethane	1.64	94	206	2.008	ug/l #	45
6) Chloroethane	1.73	64	560	Below Cal	#	43
10) Methyl Iodide	2.31	142	22	4.013	ug/l #	42
11) Tert butyl alcohol	3.02	59	2231	3.090	ug/l #	75
16) Acetone	2.45	43	2352	1.324	ug/l	97
17) Carbon Disulfide	2.57	76	362	Below Cal	#	43
20) Methylene Chloride	2.86	84	728	0.245	ug/l #	82
28) Bromochloromethane	4.98	49	22	Below Cal	#	22
31) Cyclohexane	5.67	56	4838	0.908	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17424	4.545	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20327	6.406	ug/l #	17
49) 1,4-Dioxane	7.62	88	18	0.237	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	74005	21.483	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	74005	59.219	ug/l #	9

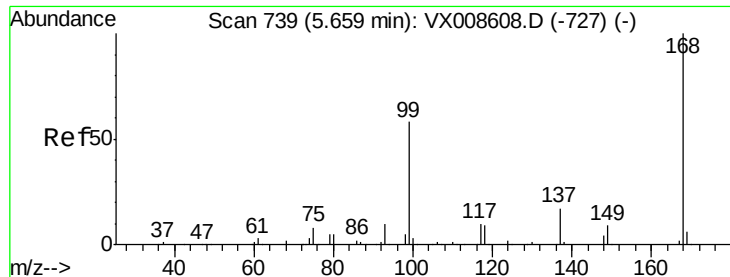
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008733.D

Acq: 06 Apr 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

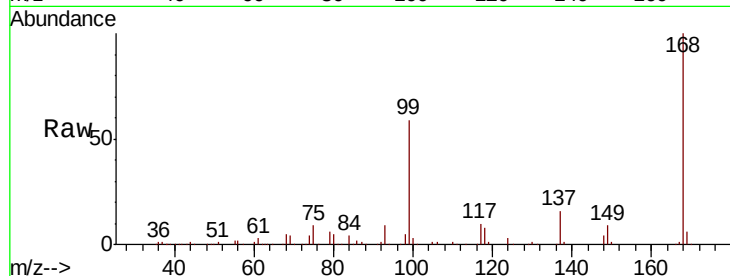
Z3-TB04-190403

Tot Ion:168 Resp: 211425

Ion Ratio Lower Upper

168 100

99 58.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

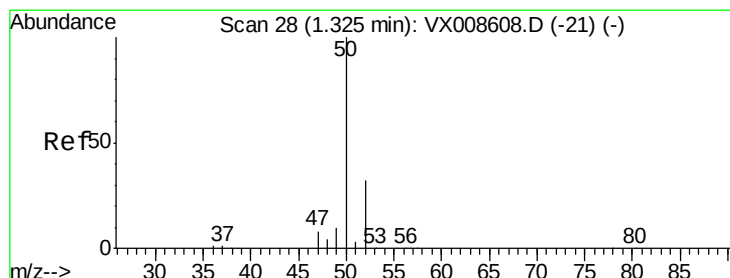
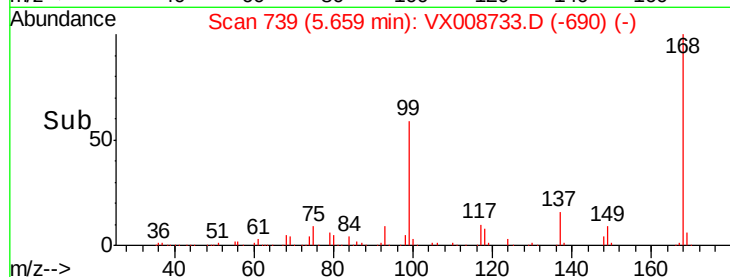
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008733.D

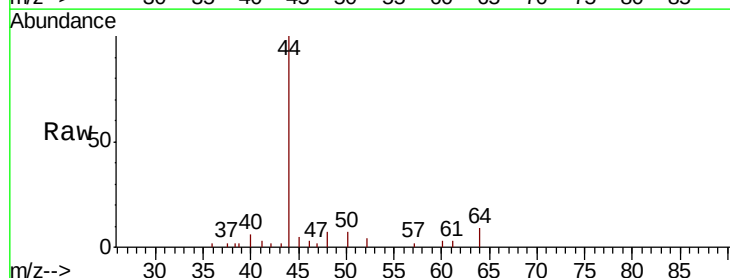
Acq: 06 Apr 2019 20:08

Tgt Ion: 50 Resp: 400

Ion Ratio Lower Upper

50 100

52 59.0 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

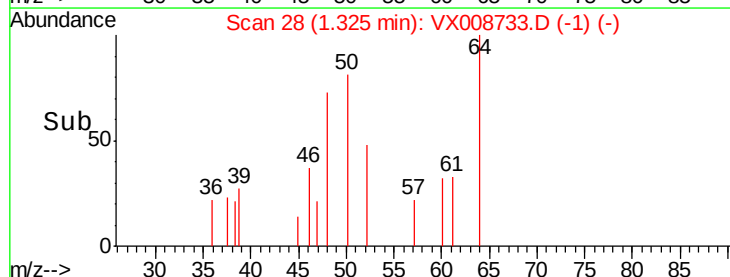
150

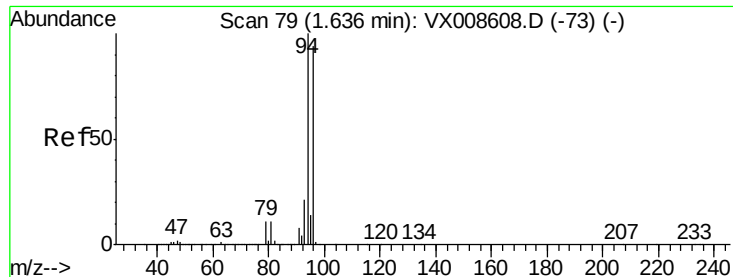
100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.008 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008733.D

Acq: 06 Apr 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

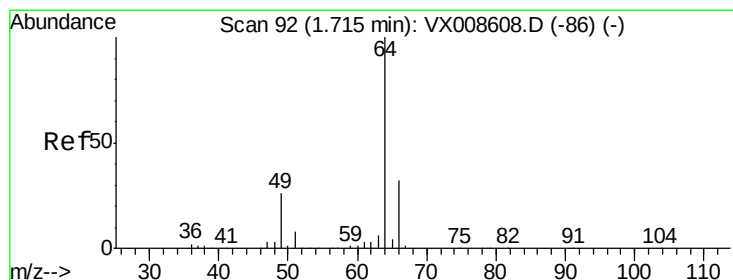
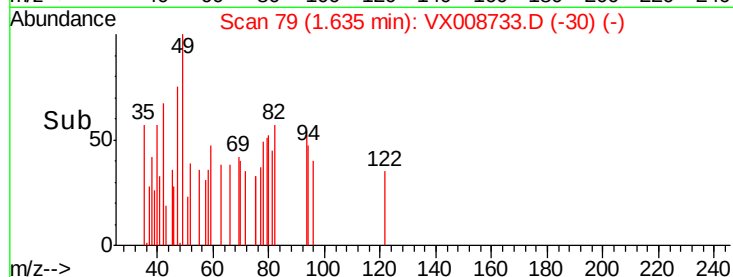
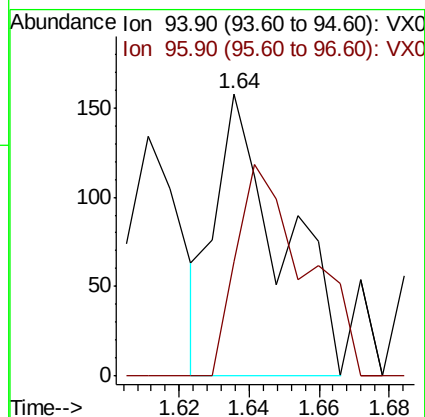
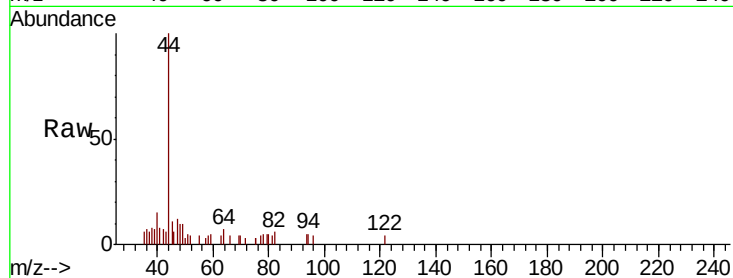
Z3-TB04-190403

Tot Ion: 94 Resp: 206

Ion Ratio Lower Upper

94 100

96 40.5 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008733.D

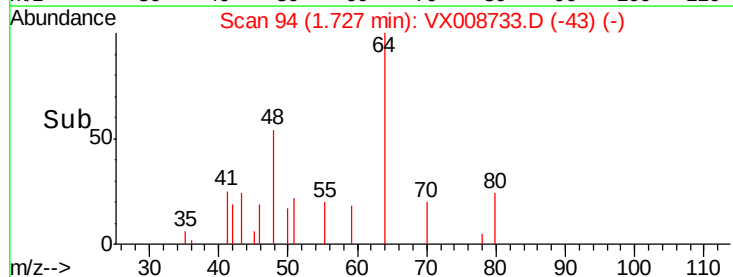
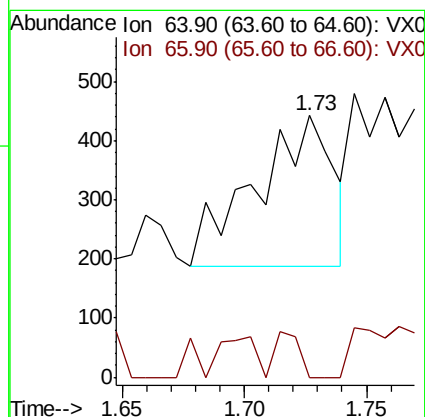
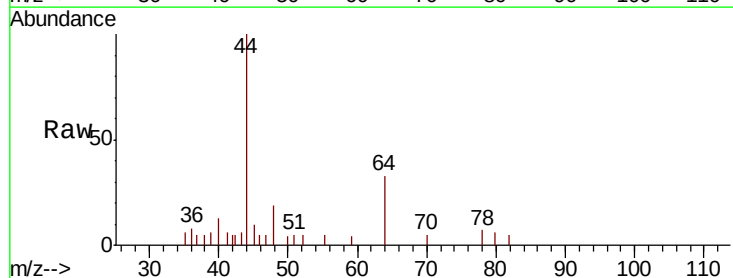
Acq: 06 Apr 2019 20:08

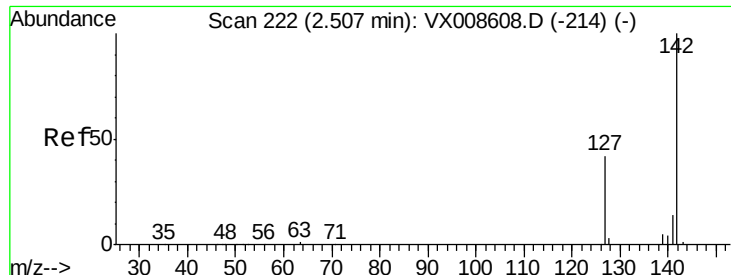
Tgt Ion: 64 Resp: 560

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

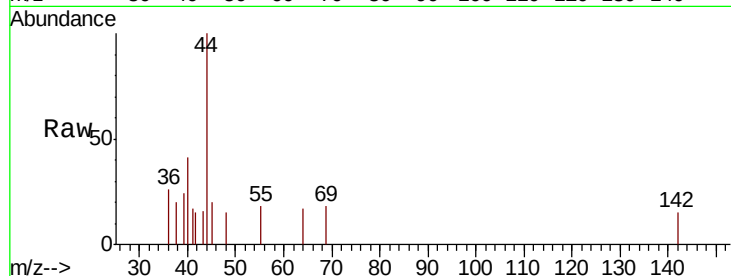




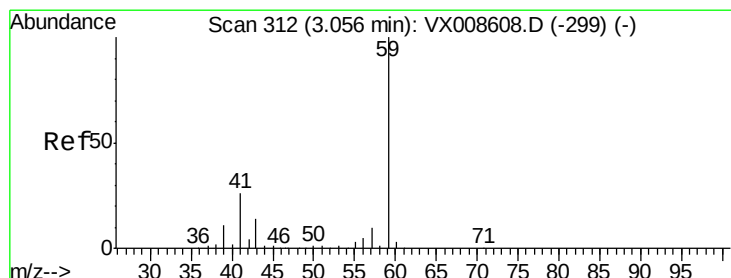
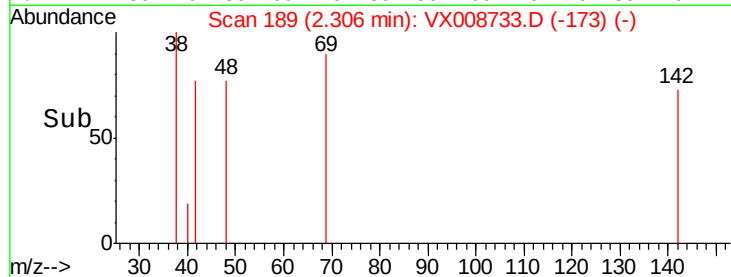
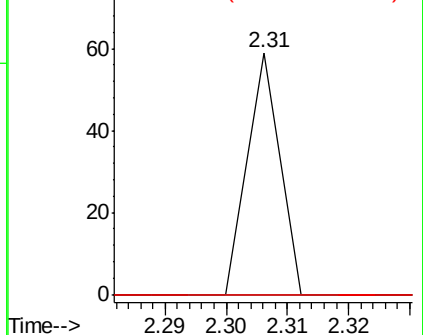
#10
Methyl Iodide
Concen: 4.013 ug/l
RT: 2.31 min Scan# 189
Delta R.T. -0.20 min
Lab File: VX008733.D
Acq: 06 Apr 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB04-190403

Tot Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#

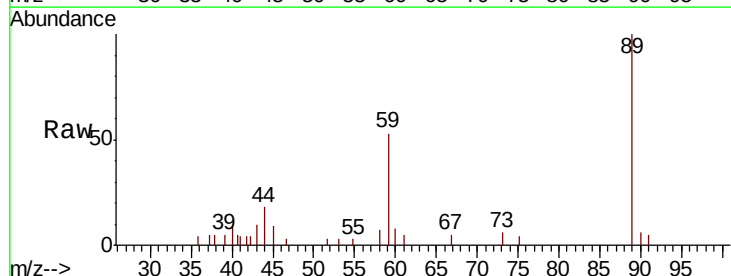


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

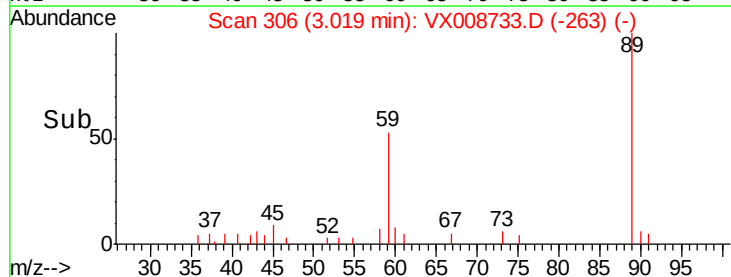
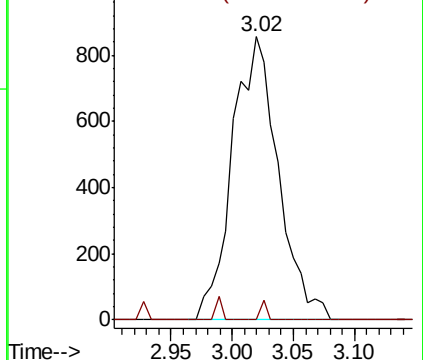


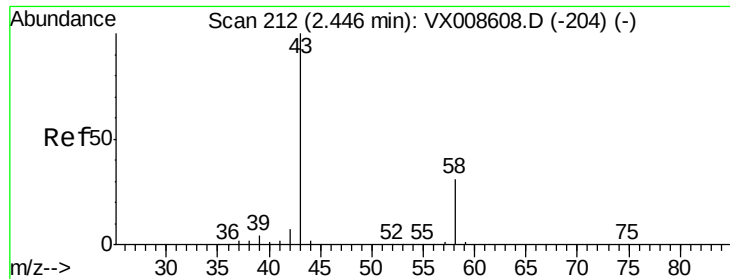
#11
Tert butyl alcohol
Concen: 3.090 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.04 min
Lab File: VX008733.D
Acq: 06 Apr 2019 20:08

Tgt Ion: 59 Resp: 2231
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#



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





#16

Acetone

Concen: 1.324 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008733.D

Acq: 06 Apr 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

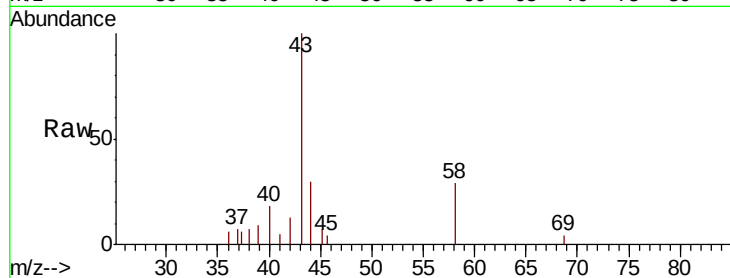
Z3-TB04-190403

Tot Ion: 43 Resp: 2352

Ion Ratio Lower Upper

43 100

58 29.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

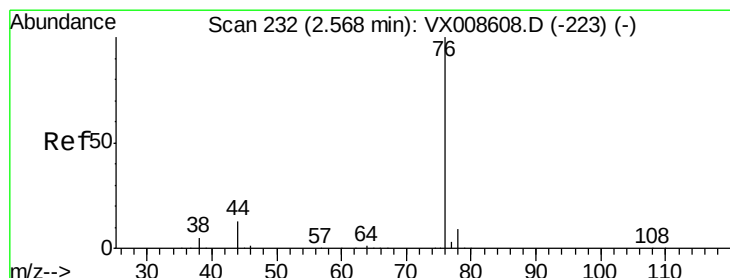
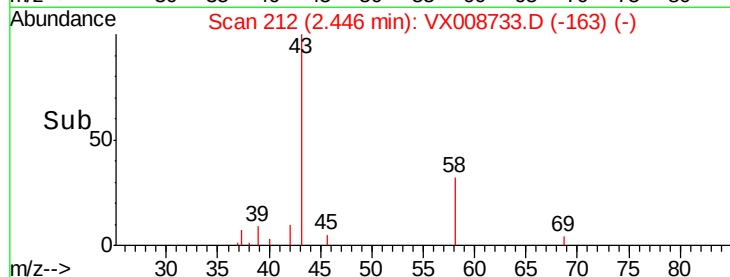
2.45

1000

500

0

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008733.D

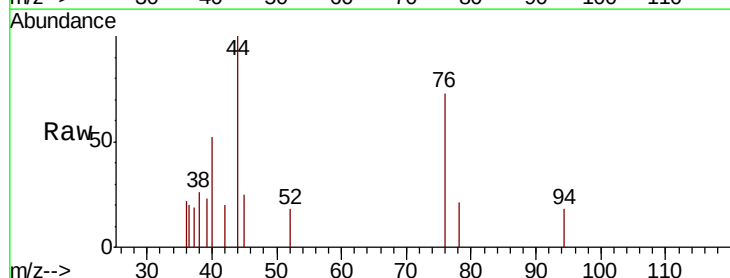
Acq: 06 Apr 2019 20:08

Tgt Ion: 76 Resp: 362

Ion Ratio Lower Upper

76 100

78 29.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

200

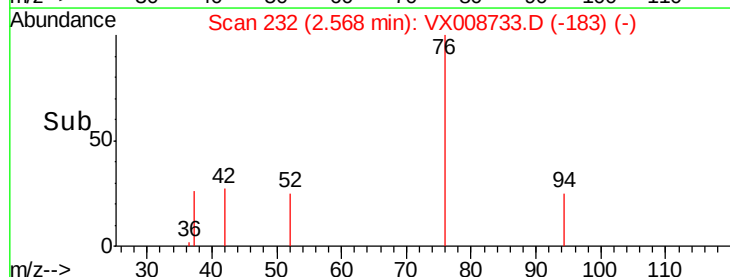
150

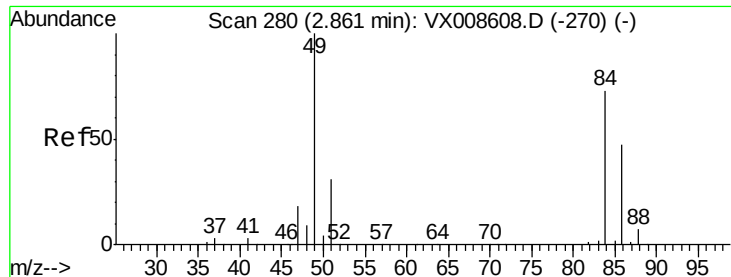
100

50

0

Time-->

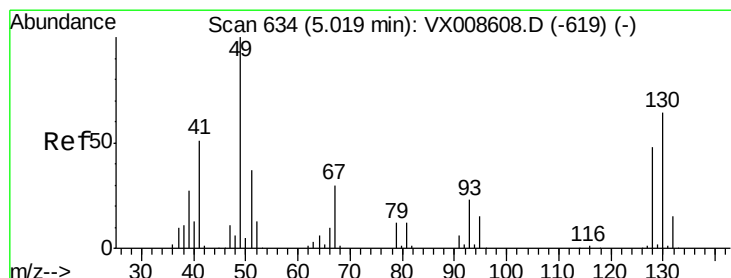
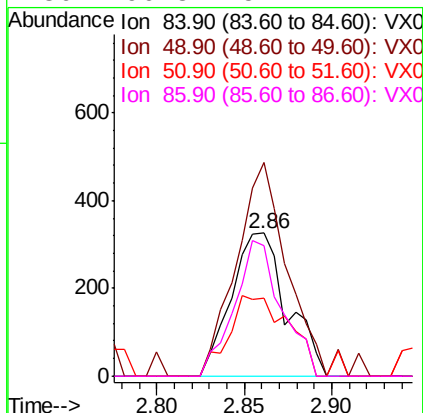
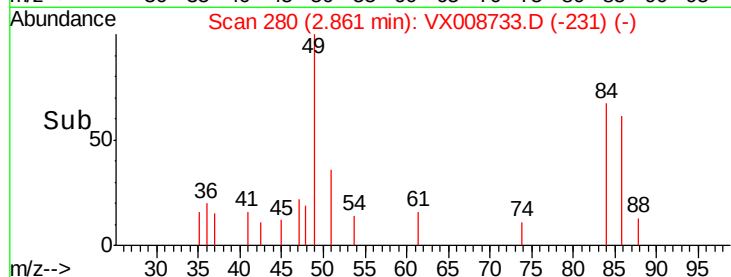
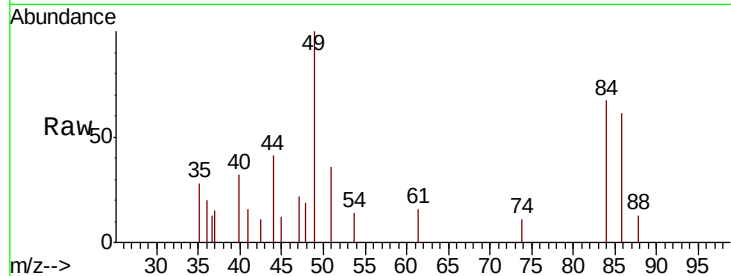




#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008733.D
Acq: 06 Apr 2019 20:08

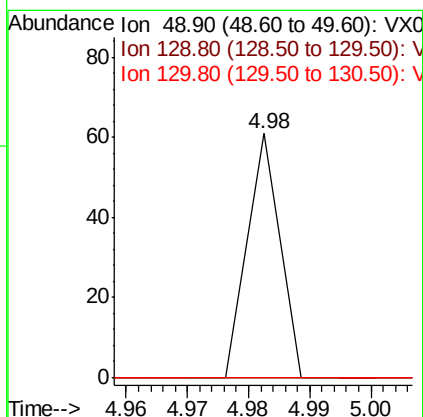
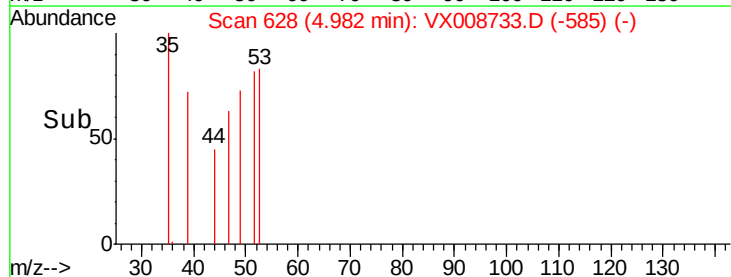
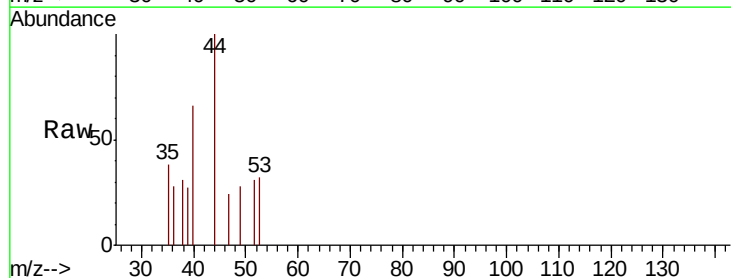
Instrument :
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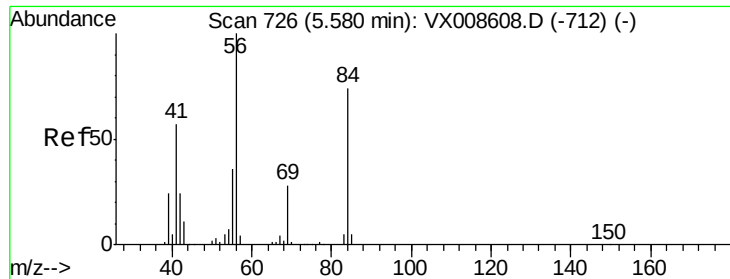
Tot Ion: 84 Resp: 728
Ion Ratio Lower Upper
84 100
49 149.4 109.7 164.5
51 54.3 33.6 50.4#
86 90.8 51.4 77.2#



#28
Bromochloromethane
Concen: Below Cal
RT: 4.98 min Scan# 628
Delta R.T. -0.04 min
Lab File: VX008733.D
Acq: 06 Apr 2019 20:08

Tgt Ion: 49 Resp: 22
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

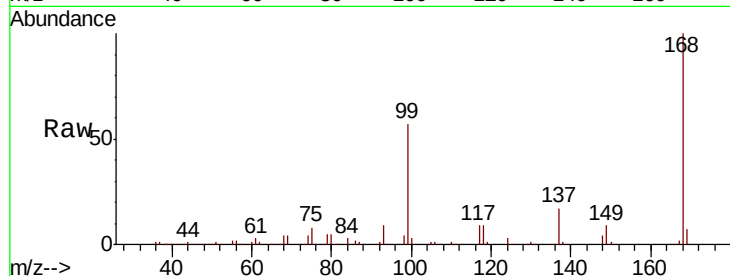




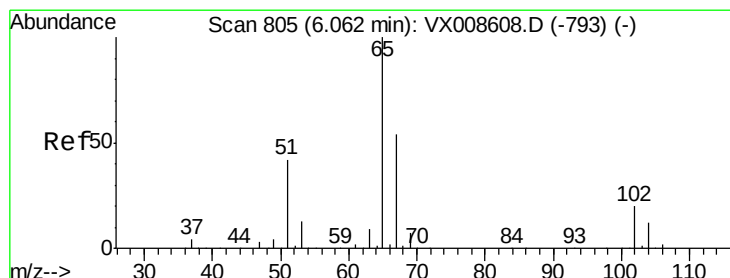
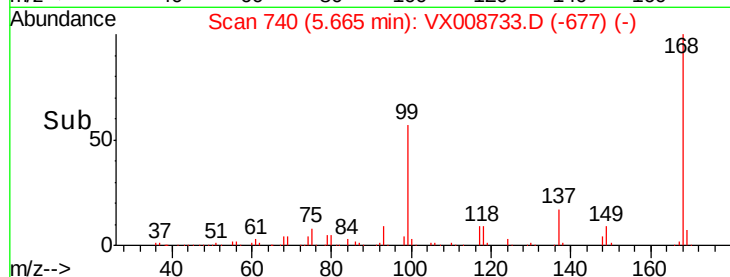
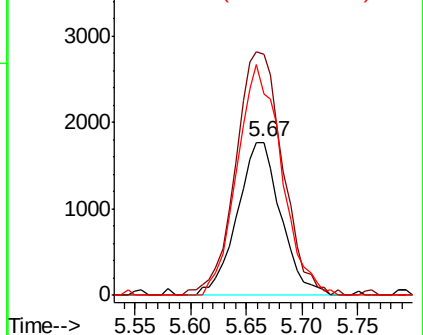
#31
Cyclohexane
Concen: 0.908 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008733.D
Acq: 06 Apr 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB04-190403

Tot Ion: 56 Resp: 4838
Ion Ratio Lower Upper
56 100
69 154.0 22.6 33.8#
84 131.3 59.3 88.9#

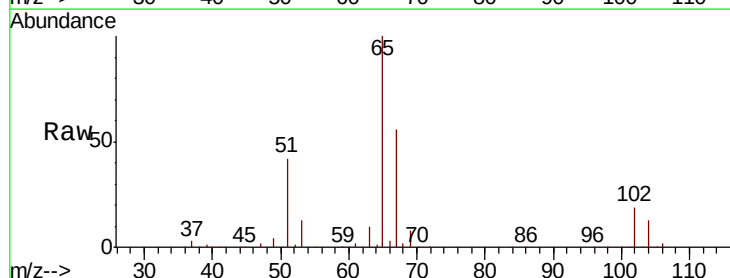


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

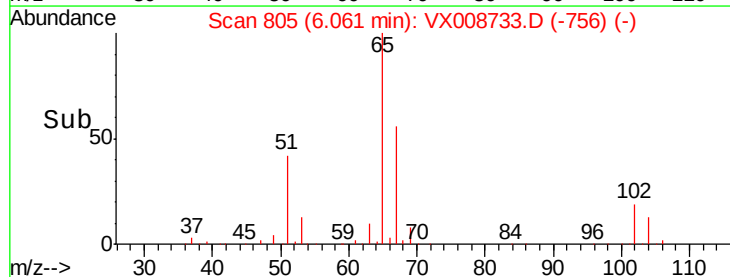
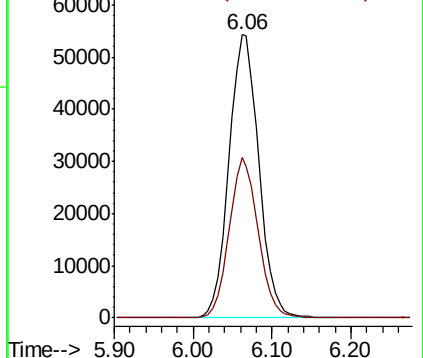


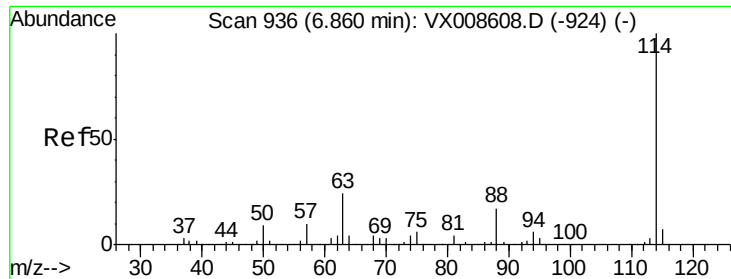
#33
1,2-Dichloroethane-d4
Concen: 46.423 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008733.D
Acq: 06 Apr 2019 20:08

Tgt Ion: 65 Resp: 143157
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.2



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

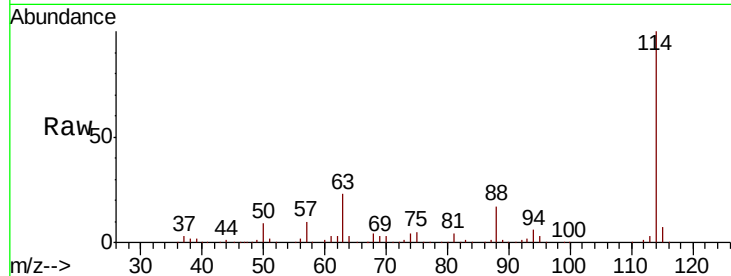




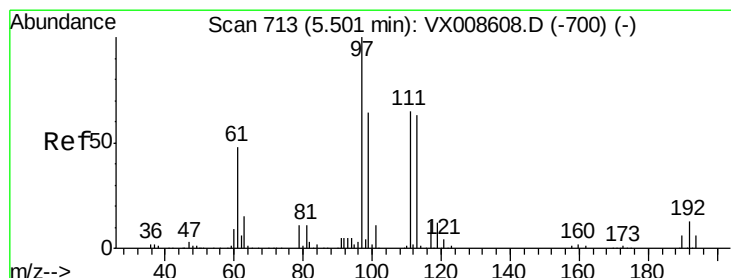
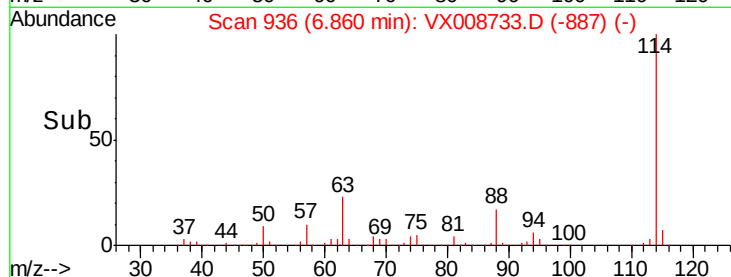
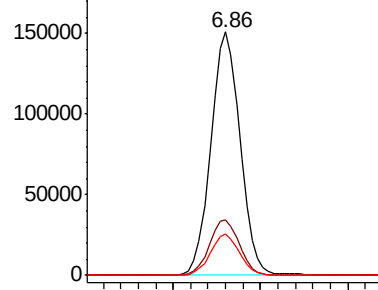
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008733.D
 Acq: 06 Apr 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB04-190403

Tot Ion:114 Resp: 350729
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.2
 88 16.9 0.0 34.0

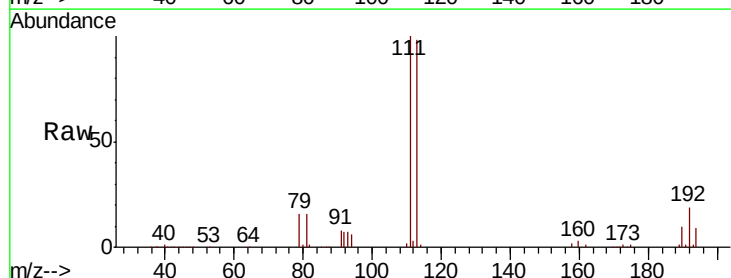


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

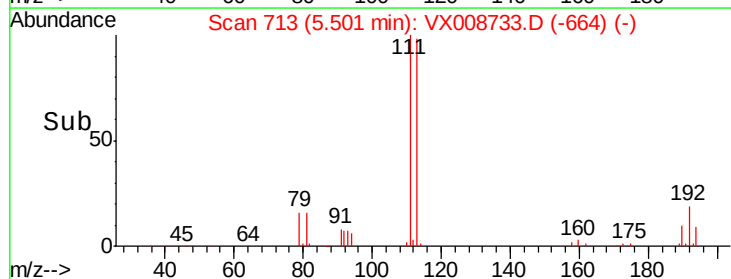
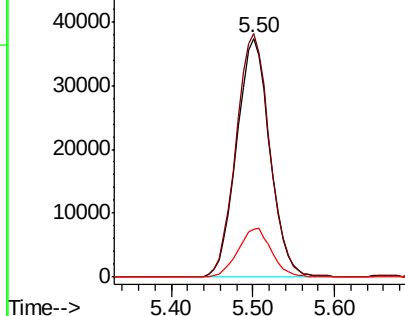


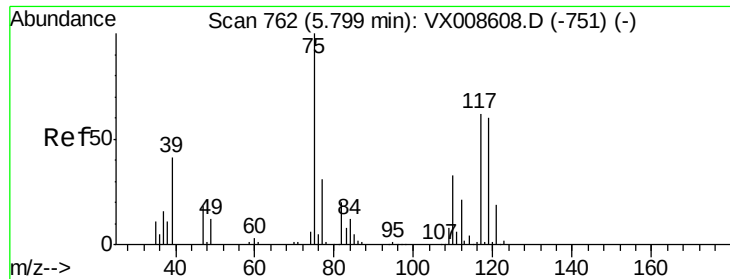
#35
 Dibromofluoromethane
 Concen: 47.076 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008733.D
 Acq: 06 Apr 2019 20:08

Tgt Ion:113 Resp: 105564
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.4 125.2
 192 20.6 16.1 24.1



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

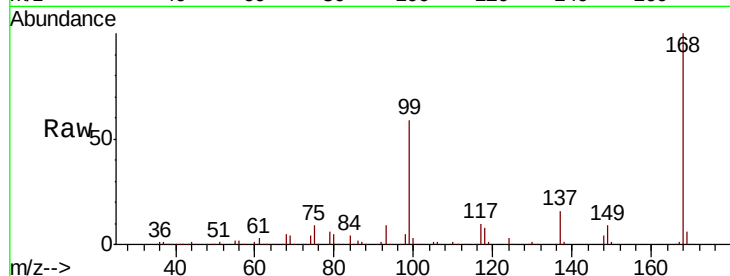




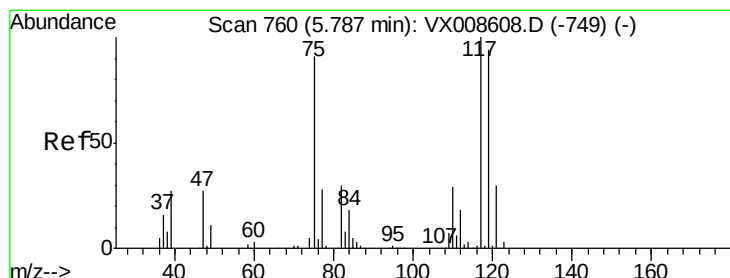
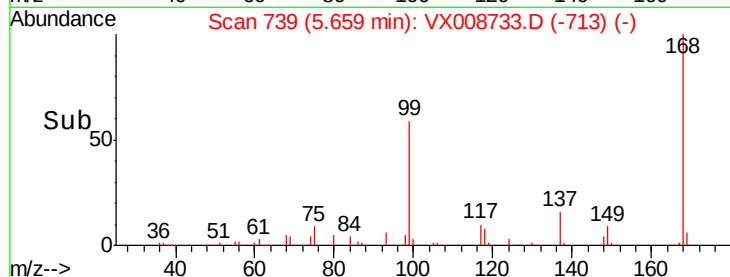
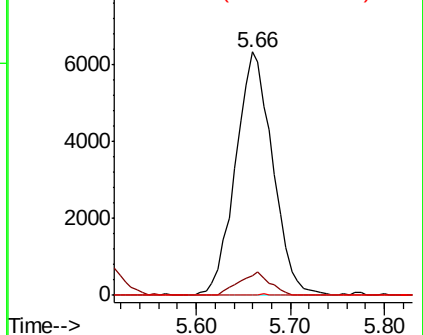
#36
 1,1-Dichloropropene
 Concen: 4.545 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008733.D
 Acq: 06 Apr 2019 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB04-190403

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.4	49.2#
77	0.1	24.7	37.1#

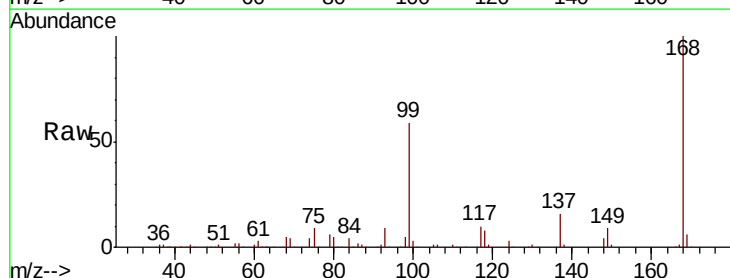


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

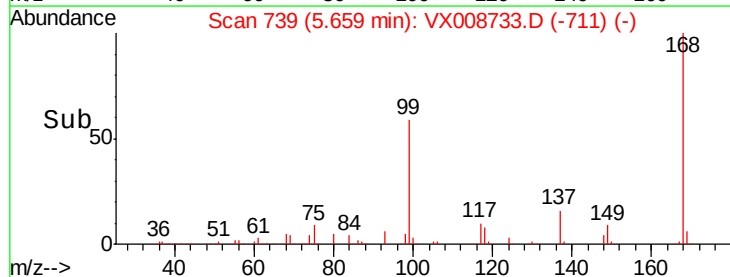
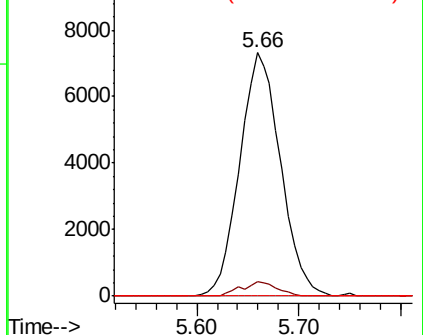


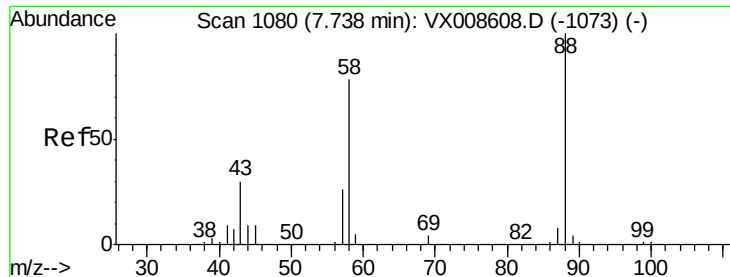
#38
 Carbon Tetrachloride
 Concen: 6.406 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008733.D
 Acq: 06 Apr 2019 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.0	112.6#
121	0.0	24.3	36.5#



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

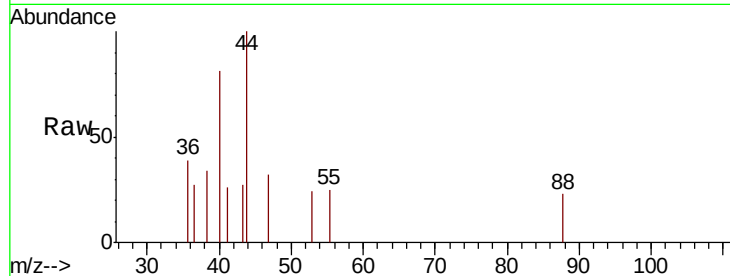




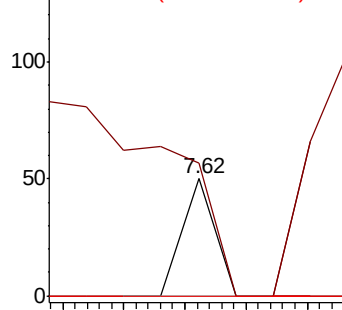
#49
1,4-Dioxane
Concen: 0.237 ug/l
RT: 7.62 min Scan# 1061
Delta R.T. -0.12 min
Lab File: VX008733.D
Acq: 06 Apr 2019 20:08

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB04-190403

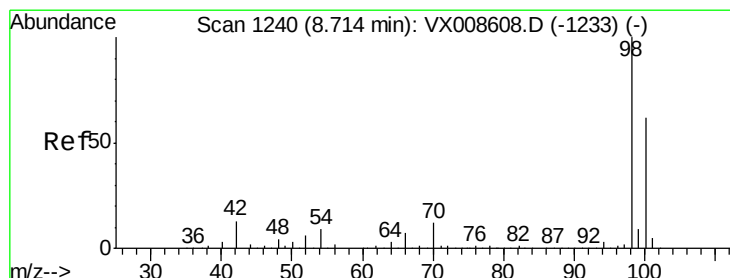
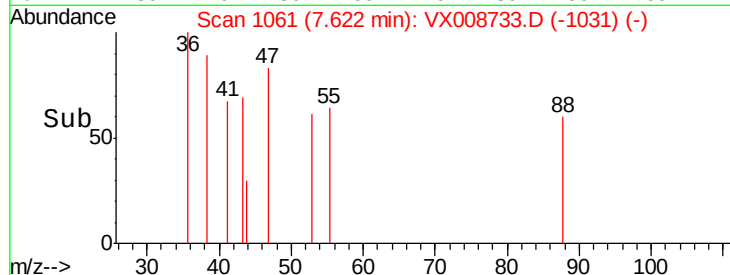
Tot Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 0.0 28.6 43.0#
58 0.0 62.2 93.2#



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

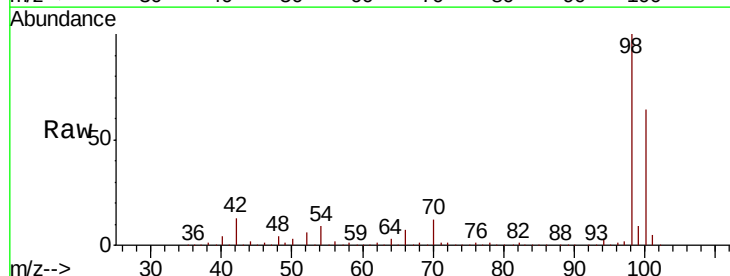


Time--> 7.60 7.61 7.62 7.63 7.64

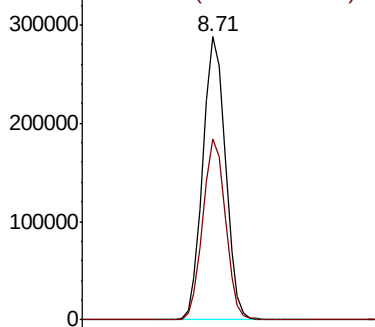


#50
Toluene-d8
Concen: 49.264 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008733.D
Acq: 06 Apr 2019 20:08

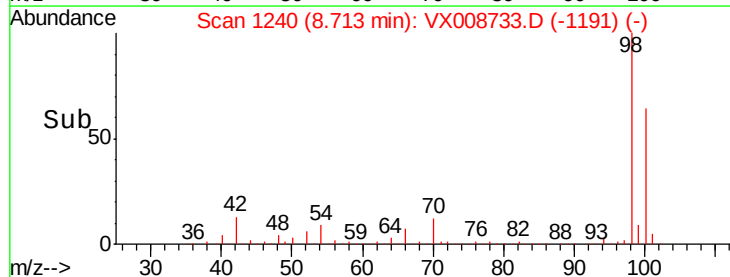
Tgt Ion: 98 Resp: 439866
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

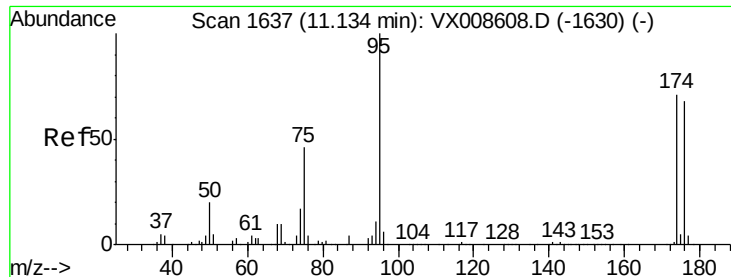


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V



Time--> 8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 45.762 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008733.D

Acq: 06 Apr 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB04-190403

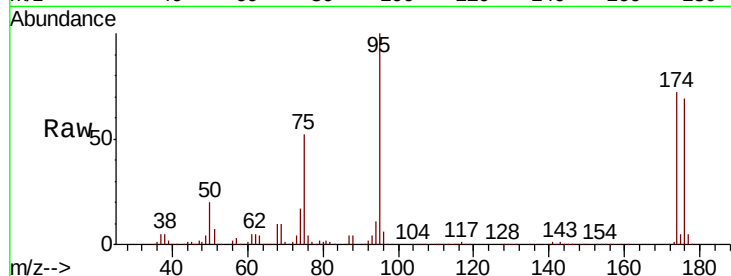
Tot Ion: 95 Resp: 144896

Ion Ratio Lower Upper

95 100

174 77.3 0.0 151.8

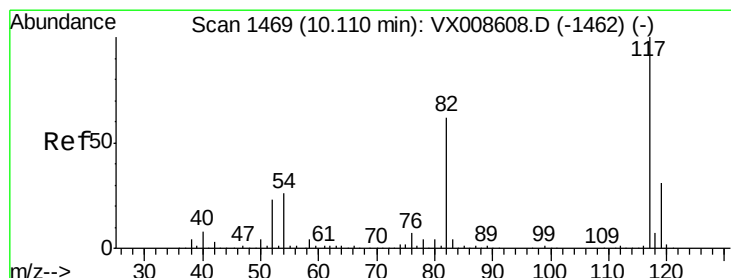
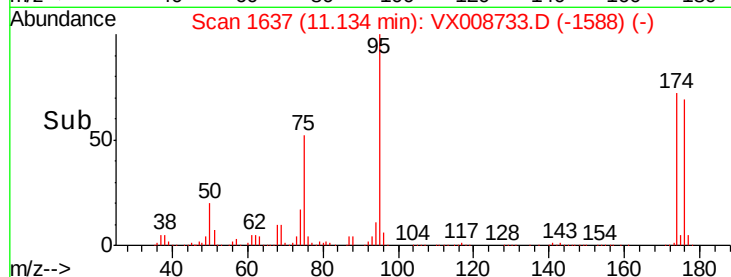
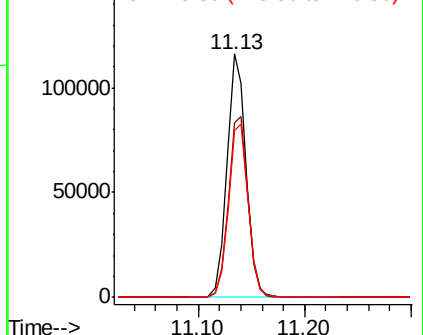
176 73.8 0.0 145.8



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: VX008733.D

Acq: 06 Apr 2019 20:08

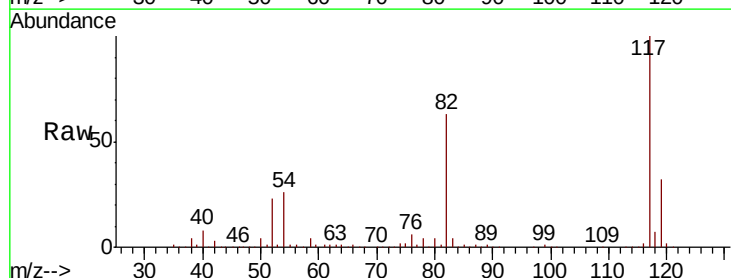
Tgt Ion: 117 Resp: 302926

Ion Ratio Lower Upper

117 100

82 62.8 49.6 74.4

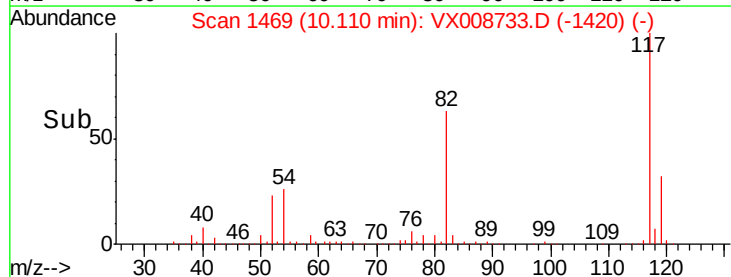
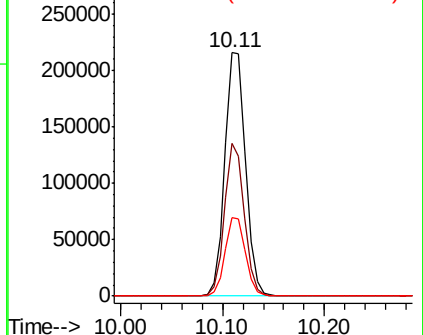
119 32.5 25.0 37.4

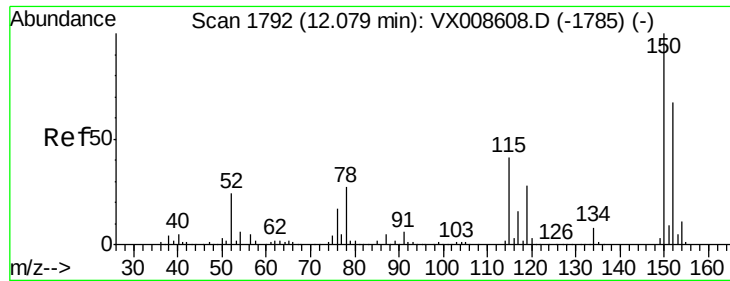


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX008733.D

Acq: 06 Apr 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB04-190403

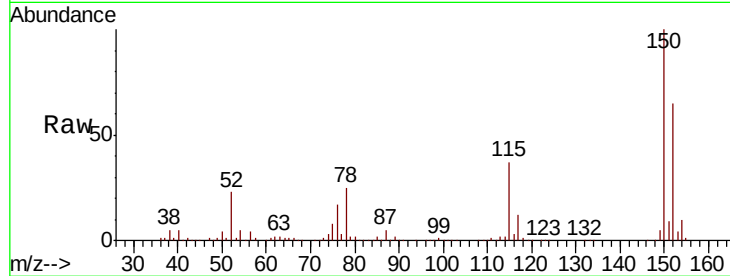
Tot Ion:152 Resp: 125398

Ion Ratio Lower Upper

152 100

115 59.6 43.5 130.5

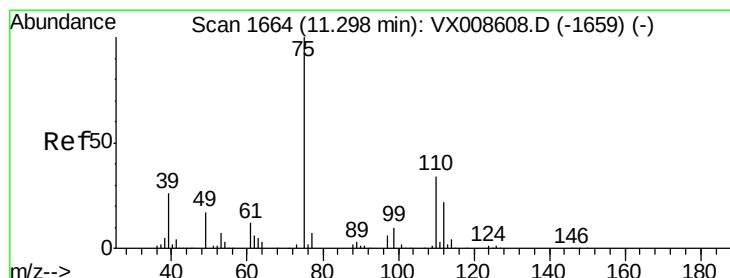
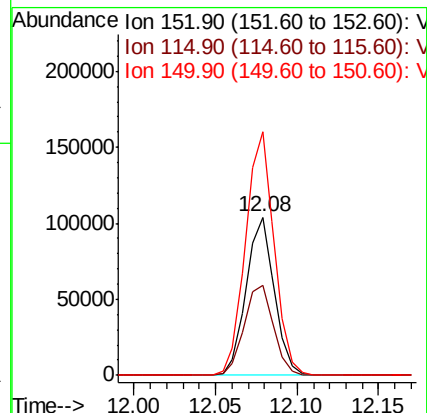
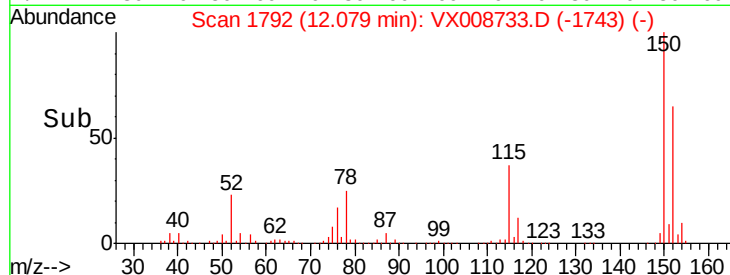
150 156.6 0.0 348.8



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: 21.483 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008733.D

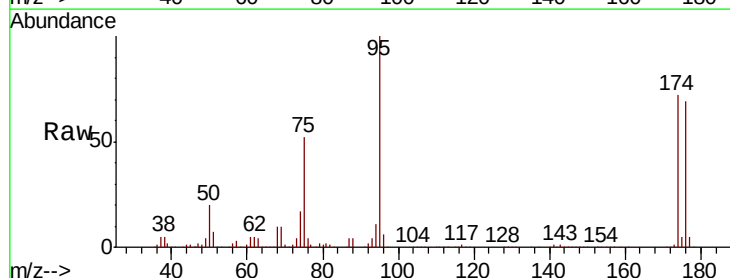
Acq: 06 Apr 2019 20:08

Tgt Ion: 75 Resp: 74005

Ion Ratio Lower Upper

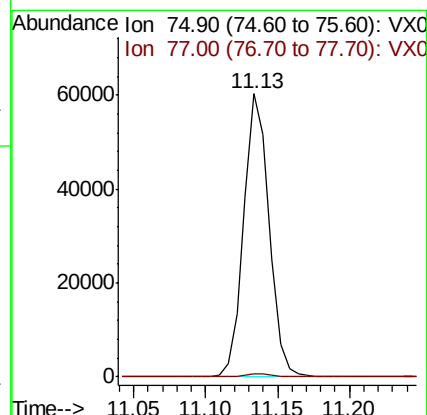
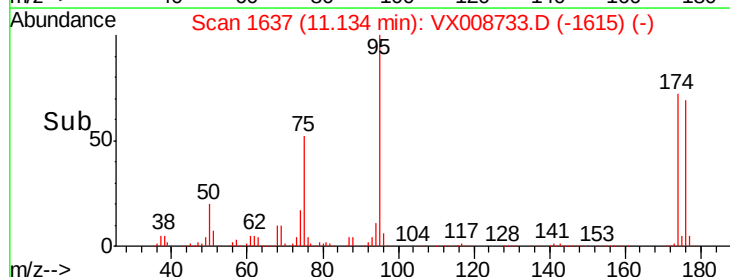
75 100

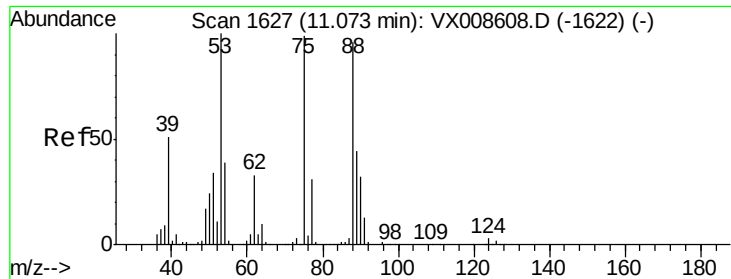
77 1.4 22.3 66.8#



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: 59.219 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008733.D

Acq: 06 Apr 2019 20:08

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB04-190403

Tot Ion: 75 Resp: 74005

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

