

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009491.D
 Acq On : 10 May 2019 19:16
 Operator : JC/SP
 Sample : K2783-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB04-190507

Quant Time: May 11 03:31:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	180151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289186	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107762	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	118516	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
35) Dibromofluoromethane	5.50	113	87714	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	8.71	98	359643	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	119670	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

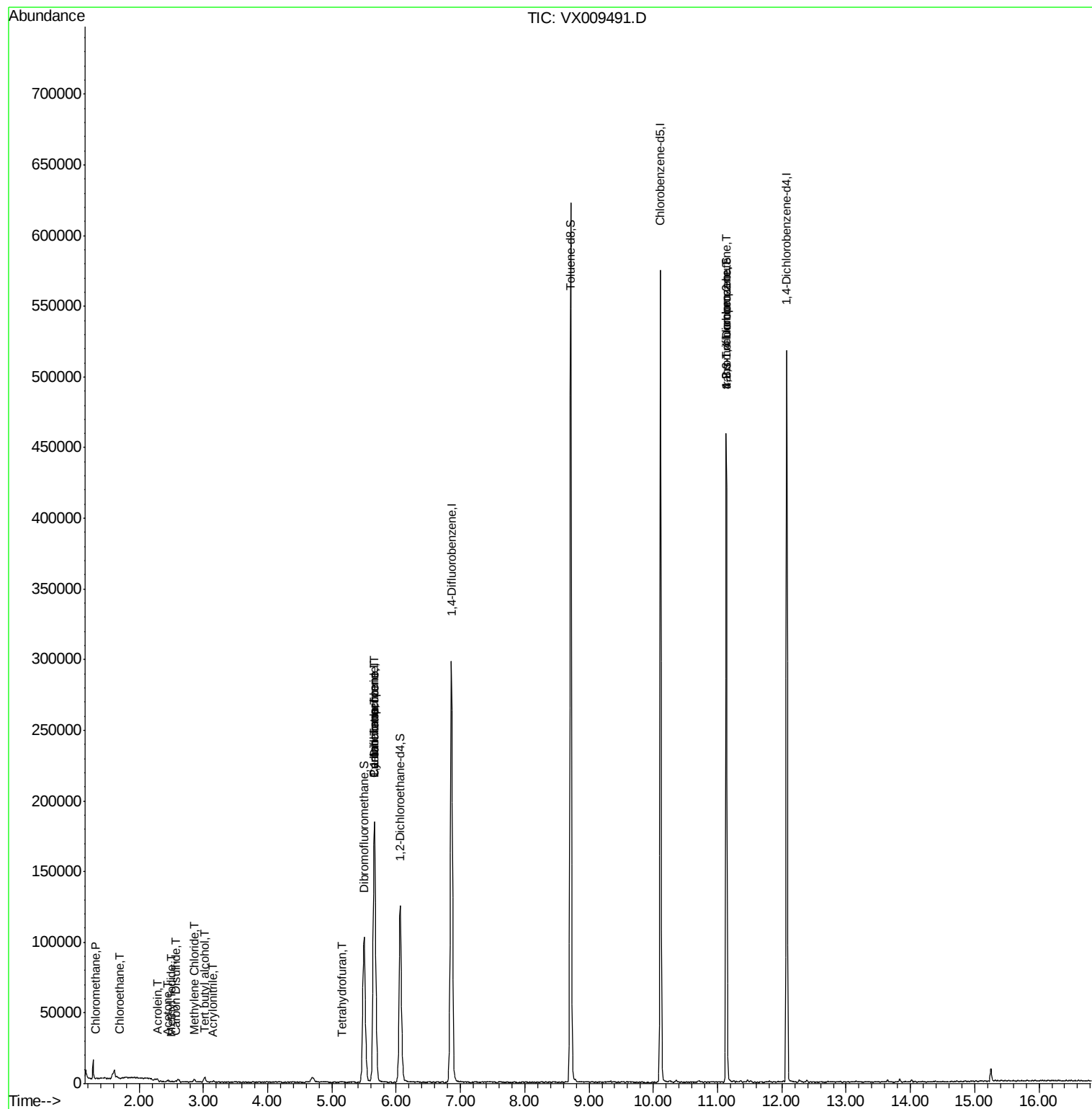
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	480	0.212	ug/l #	88
6) Chloroethane	1.70	64	376	0.265	ug/l #	86
10) Methyl Iodide	2.51	142	483	4.818	ug/l #	90
11) Tert butyl alcohol	3.01	59	2377	4.176	ug/l #	83
13) Acrolein	2.28	56	228	0.442	ug/l	97
15) Acrylonitrile	3.15	53	493	0.354	ug/l #	83
16) Acetone	2.45	43	1775	1.344	ug/l #	80
17) Carbon Disulfide	2.57	76	1035	0.218	ug/l #	89
20) Methylene Chloride	2.85	84	806	0.377	ug/l #	84
28) Bromochloromethane	5.02	49	56	Below Cal	#	65
29) Tetrahydrofuran	5.15	42	268	0.203	ug/l #	68
31) Cyclohexane	5.67	56	3581	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13988	5.205	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16977	6.953	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	61081	24.435	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61081	62.521	ug/l #	10

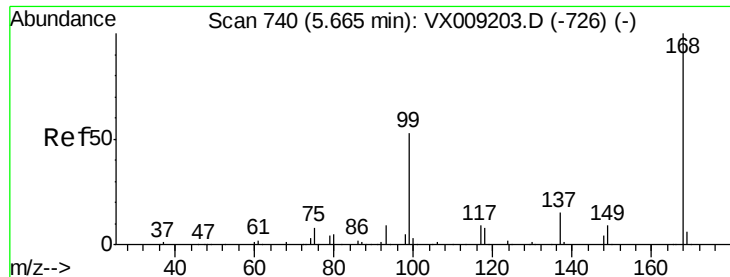
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051019\
Data File : VX009491.D
Acq On : 10 May 2019 19:16
Operator : JC/SP
Sample : K2783-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z4-TB04-190507

Quant Time: May 11 03:31:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009491.D

Acq: 10 May 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

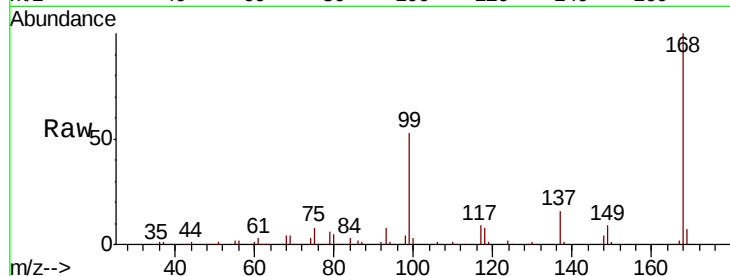
Z4-TB04-190507

Tot Ion:168 Resp: 180151

Ion Ratio Lower Upper

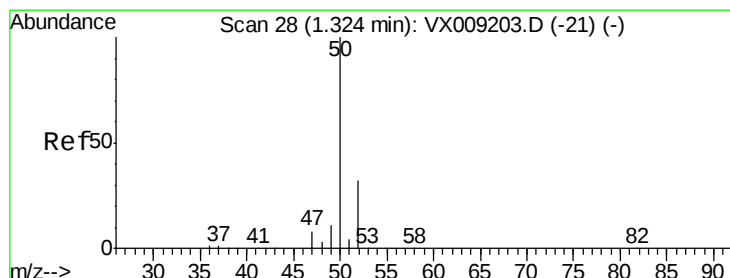
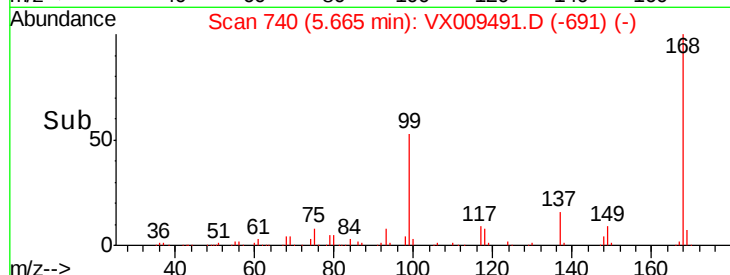
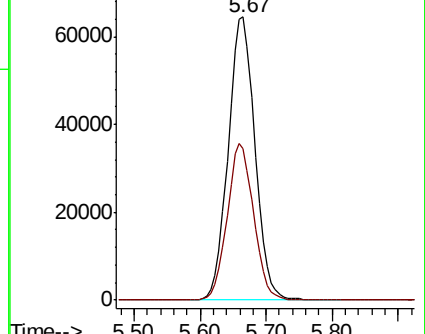
168 100

99 53.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009491.D

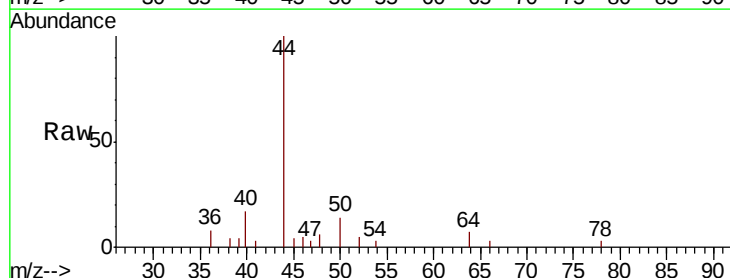
Acq: 10 May 2019 19:16

Tgt Ion: 50 Resp: 480

Ion Ratio Lower Upper

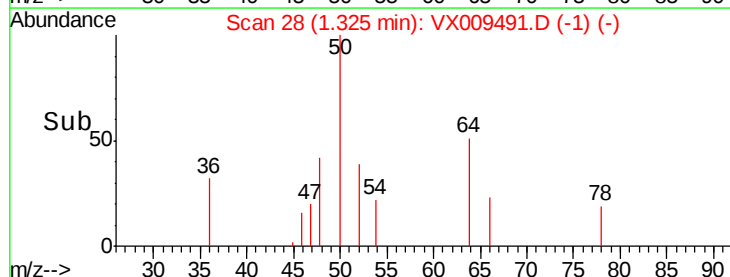
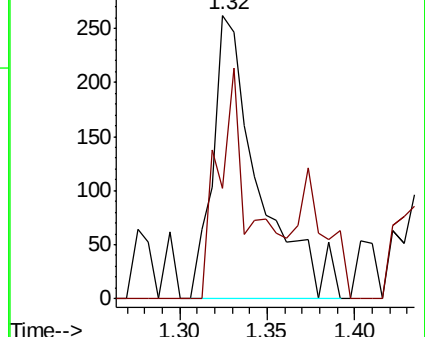
50 100

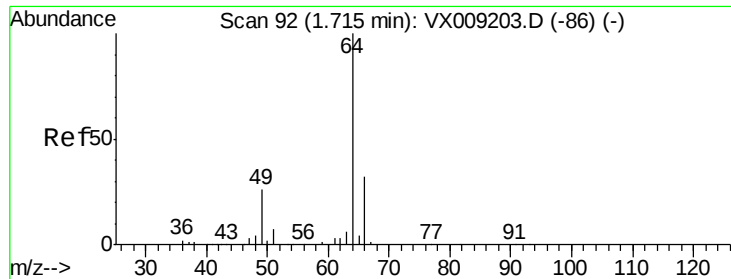
52 38.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.265 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX009491.D

Acq: 10 May 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

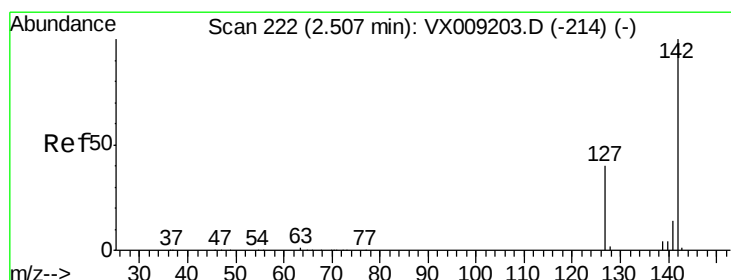
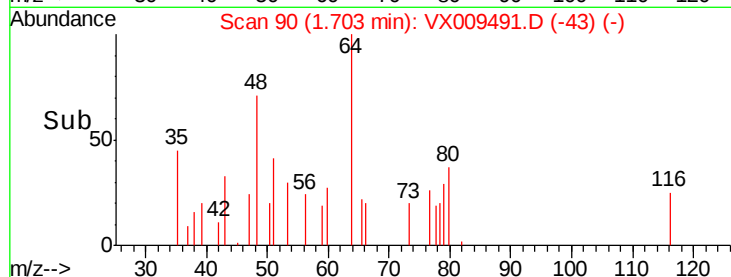
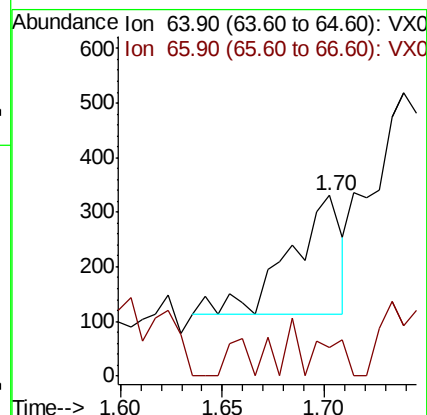
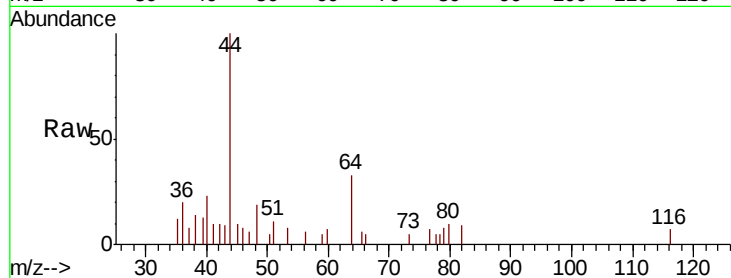
Z4-TB04-190507

Tot Ion: 64 Resp: 376

Ion Ratio Lower Upper

64 100

66 24.0 25.3 37.9#



#10

Methyl Iodide

Concen: 4.818 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009491.D

Acq: 10 May 2019 19:16

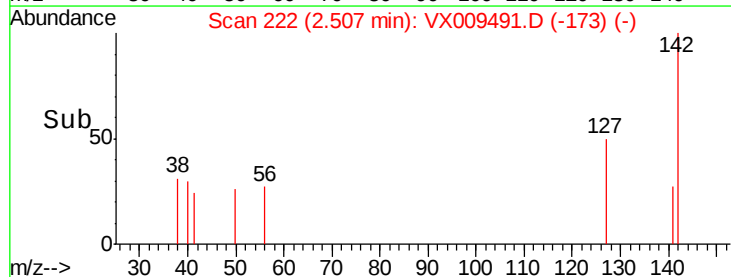
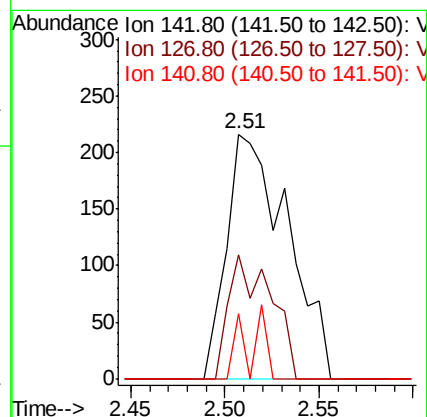
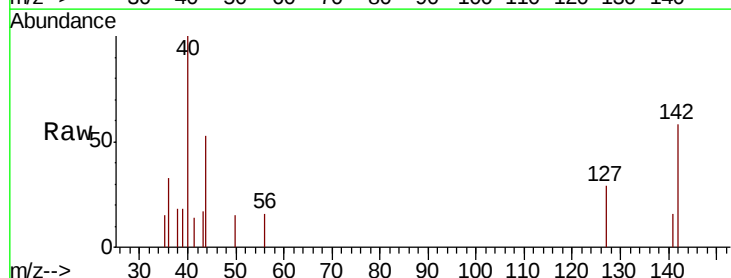
Tgt Ion: 142 Resp: 483

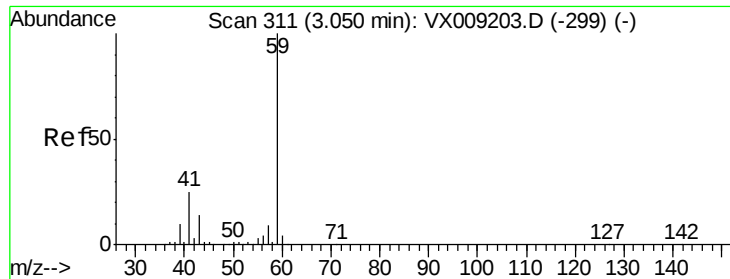
Ion Ratio Lower Upper

142 100

127 35.4 32.7 49.1

141 9.3 11.5 17.3#

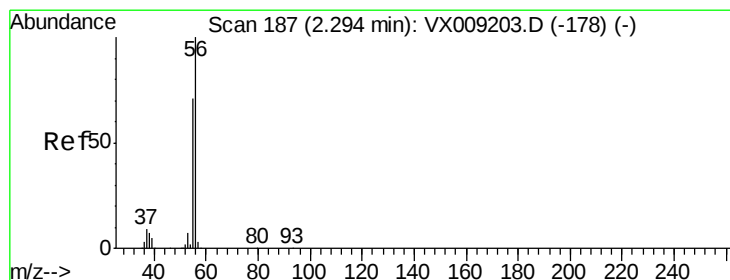
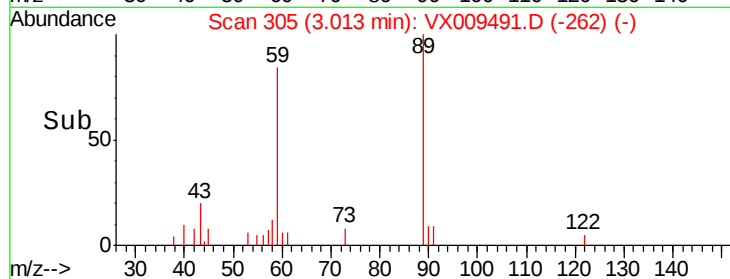
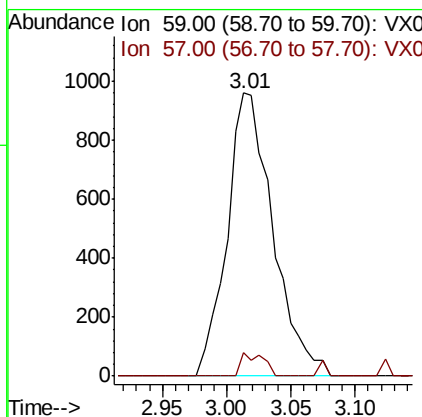
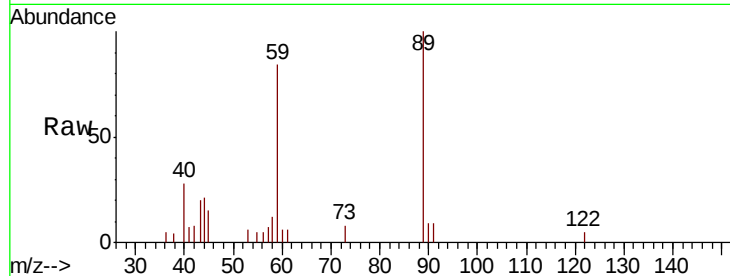




#11
Tert butyl alcohol
Concen: 4.176 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009491.D
Acq: 10 May 2019 19:16

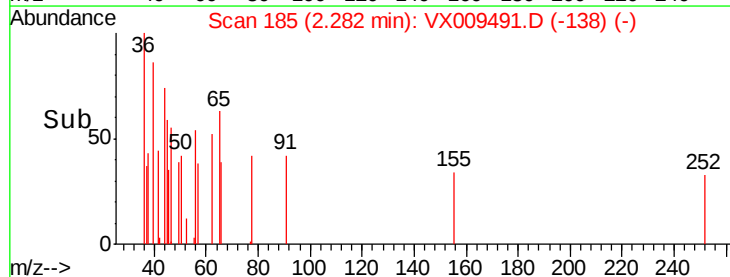
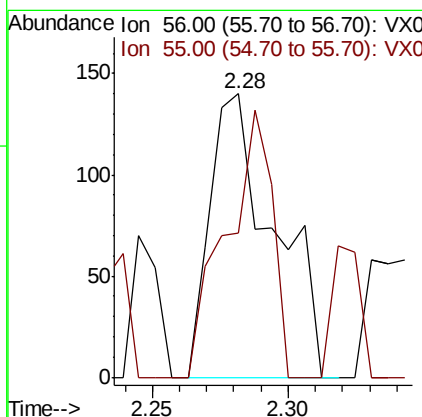
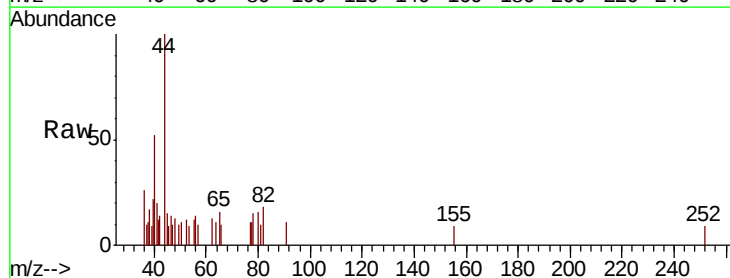
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB04-190507

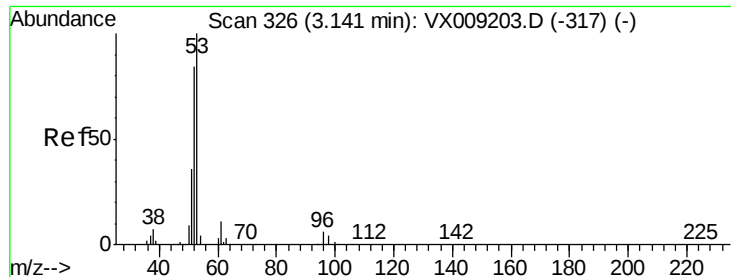
Tot Ion: 59 Resp: 2377
Ion Ratio Lower Upper
59 100
57 3.9 8.2 12.2#



#13
Acrolein
Concen: 0.442 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX009491.D
Acq: 10 May 2019 19:16

Tgt Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 68.0 56.6 85.0





#15

Acrylonitrile

Concen: 0.354 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009491.D

Acq: 10 May 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB04-190507

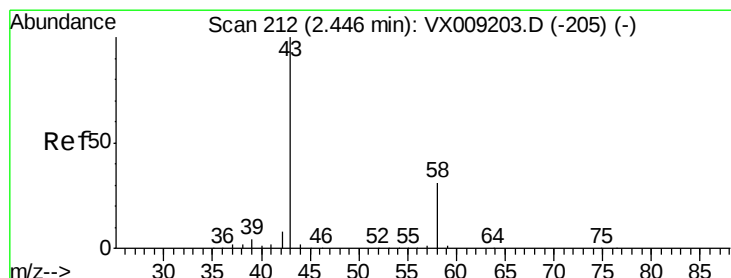
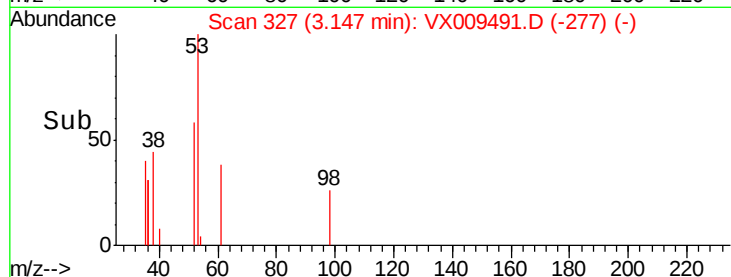
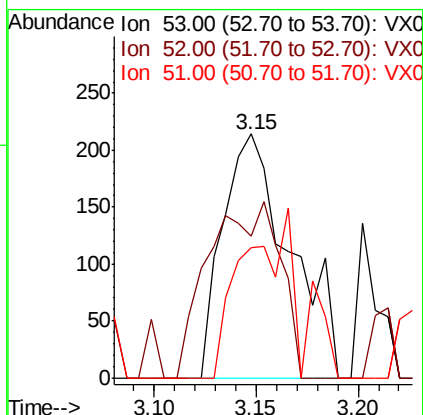
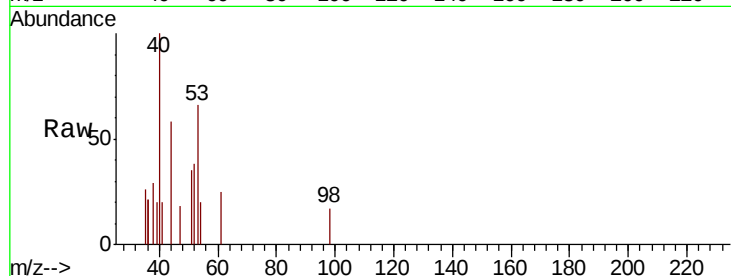
Tot Ion: 53 Resp: 493

Ion Ratio Lower Upper

53 100

52 76.3 66.9 100.3

51 58.0 28.2 42.2#



#16

Acetone

Concen: 1.344 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX009491.D

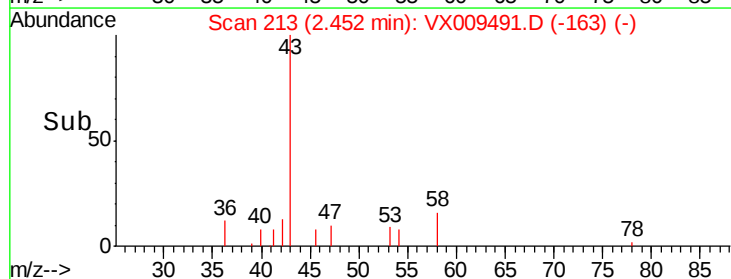
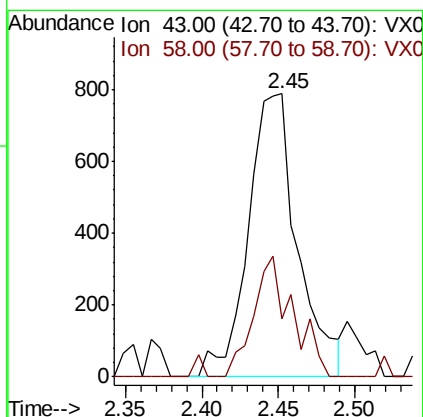
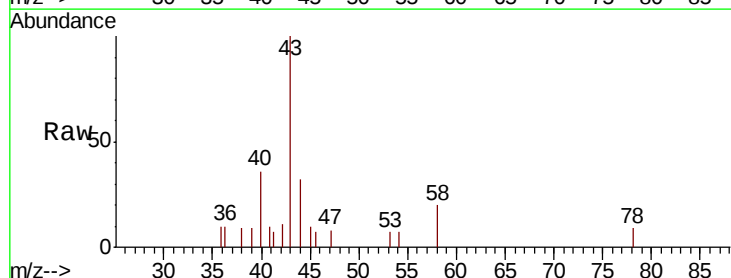
Acq: 10 May 2019 19:16

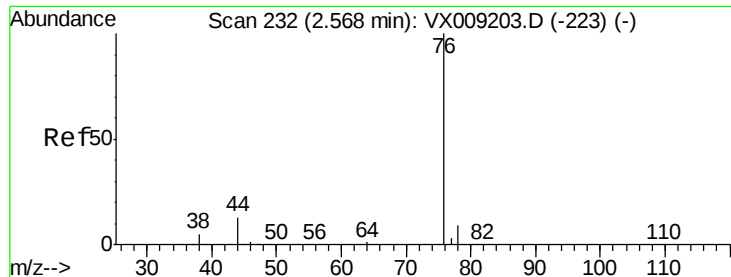
Tgt Ion: 43 Resp: 1775

Ion Ratio Lower Upper

43 100

58 20.3 24.9 37.3#





#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009491.D

Acq: 10 May 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

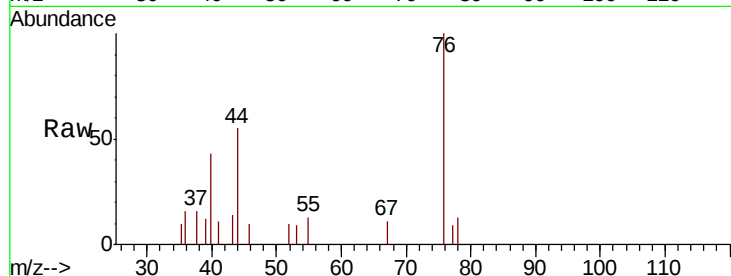
Z4-TB04-190507

Tot Ion: 76 Resp: 1035

Ion Ratio Lower Upper

76 100

78 13.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

400

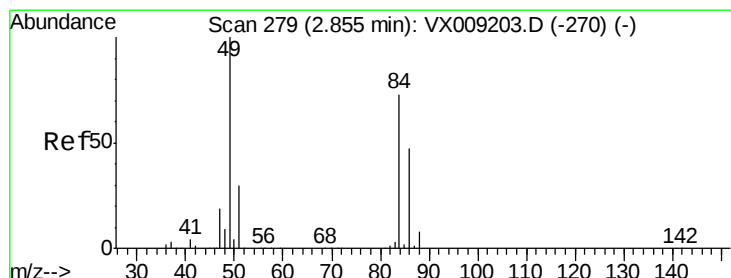
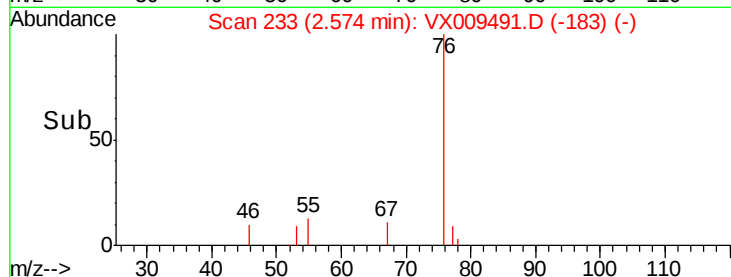
200

0

2.55

2.60

Time-->



#20

Methylene Chloride

Concen: 0.377 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX009491.D

Acq: 10 May 2019 19:16

Tgt Ion: 84 Resp: 806

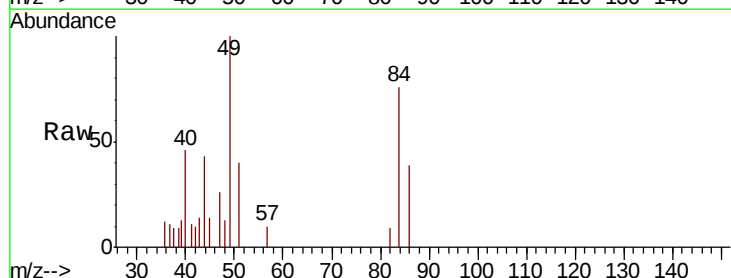
Ion Ratio Lower Upper

84 100

49 113.2 109.9 164.9

51 41.1 32.7 49.1

86 51.1 52.0 78.0#



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

1000

800

600

400

200

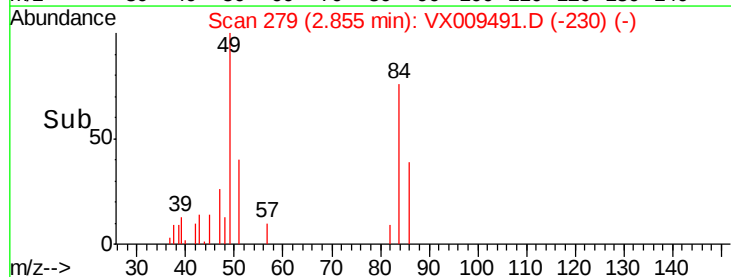
0

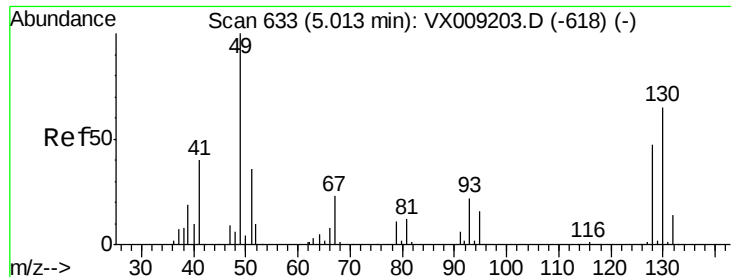
2.80

2.85

2.90

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

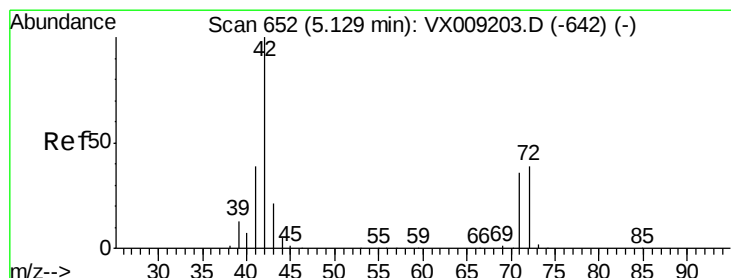
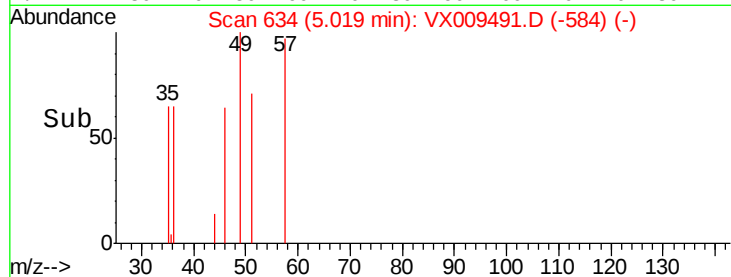
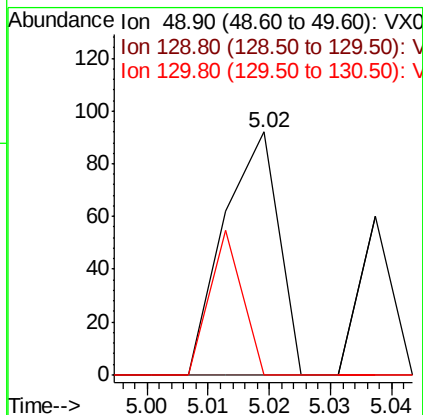
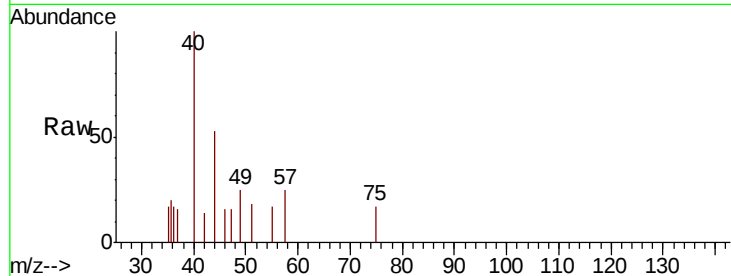
Delta R.T. 0.01 min

Lab File: VX009491.D

Acq: 10 May 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
Z4-TB04-190507

Tot Ion: 49 Resp: 56
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 35.7 51.2 76.8#



#29

Tetrahydrofuran

Concen: 0.203 ug/l

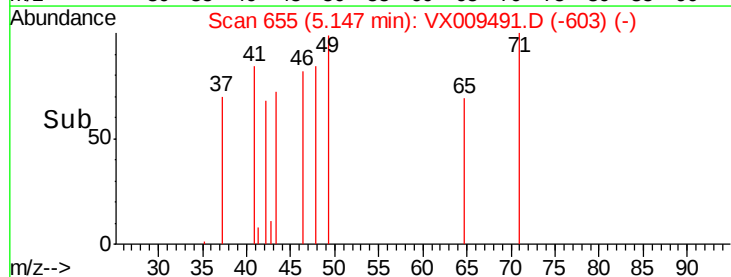
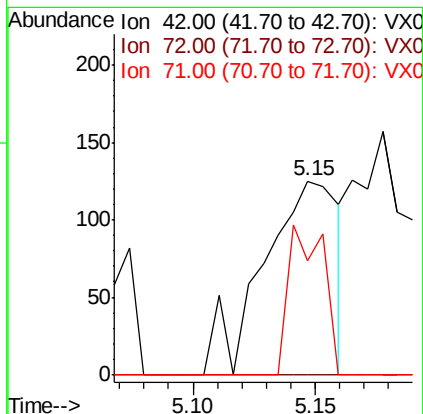
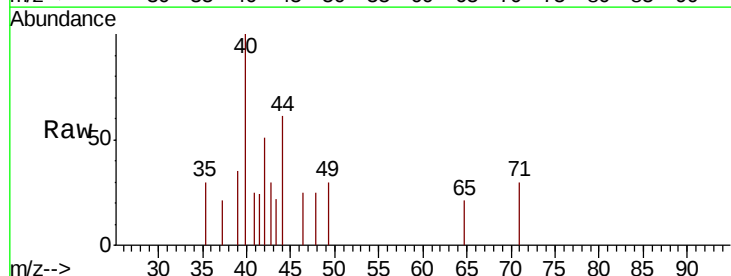
RT: 5.15 min Scan# 655

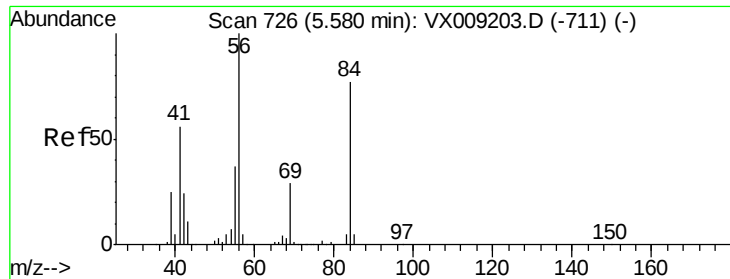
Delta R.T. 0.02 min

Lab File: VX009491.D

Acq: 10 May 2019 19:16

Tgt Ion: 42 Resp: 268
Ion Ratio Lower Upper
42 100
72 0.0 30.4 45.6#
71 35.8 28.6 43.0

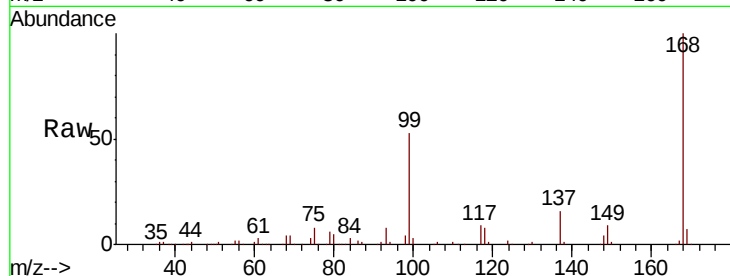




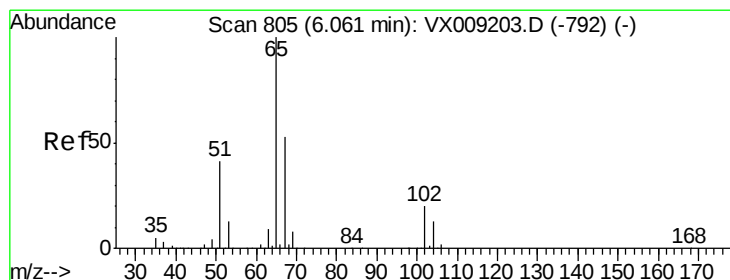
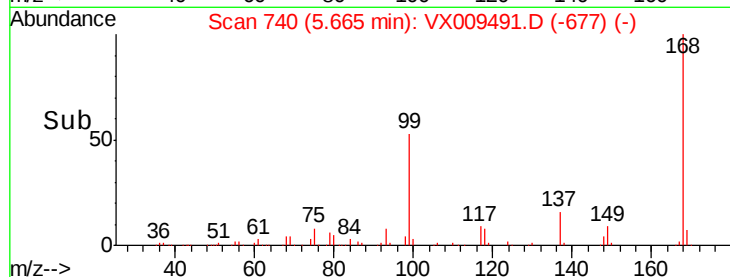
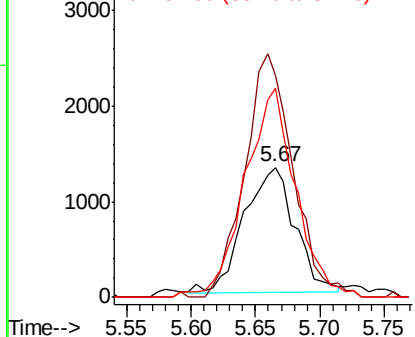
#31
Cyclohexane
Concen: 0.985 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009491.D
Acq: 10 May 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
Z4-TB04-190507

Tot Ion: 56 Resp: 3581
Ion Ratio Lower Upper
56 100
69 179.3 23.4 35.0#
84 164.0 61.9 92.9#

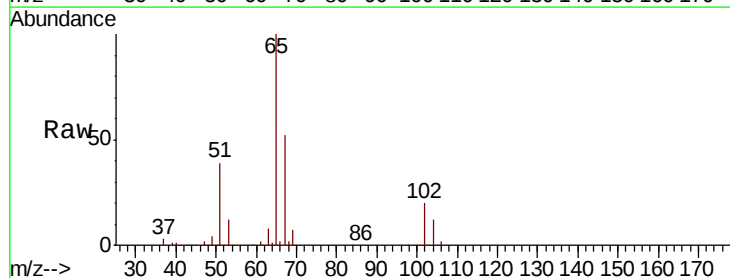


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

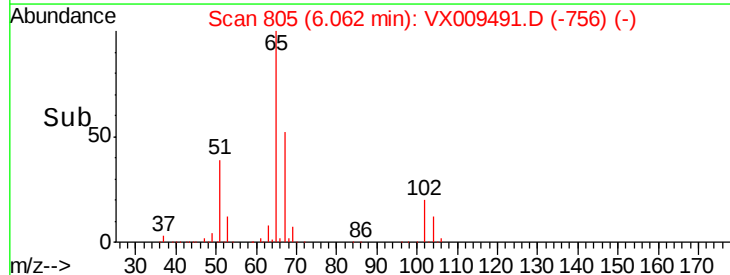
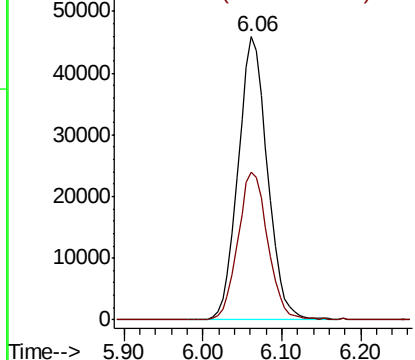


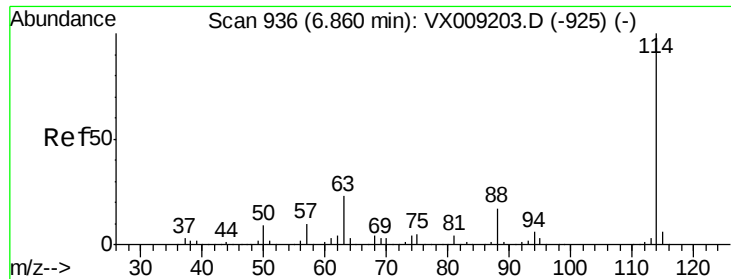
#33
1,2-Dichloroethane-d4
Concen: 48.191 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009491.D
Acq: 10 May 2019 19:16

Tgt Ion: 65 Resp: 118516
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.6



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

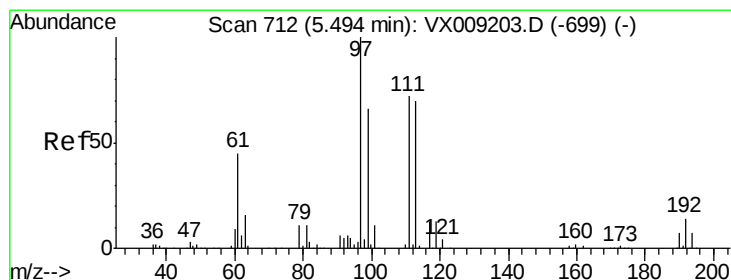
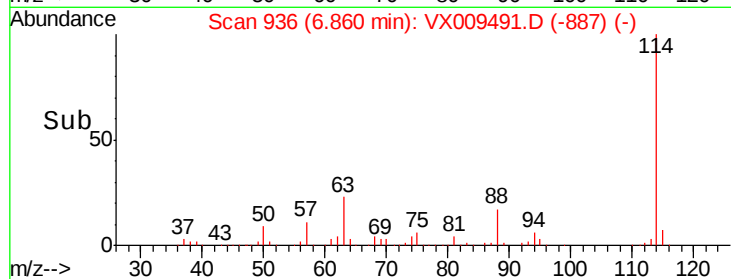
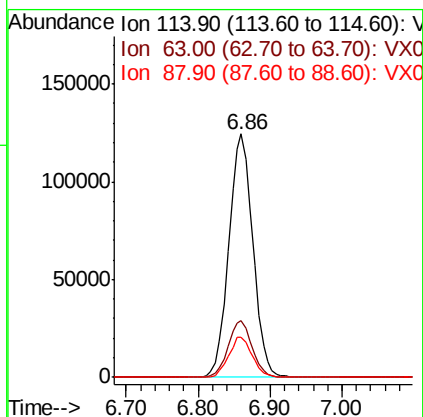
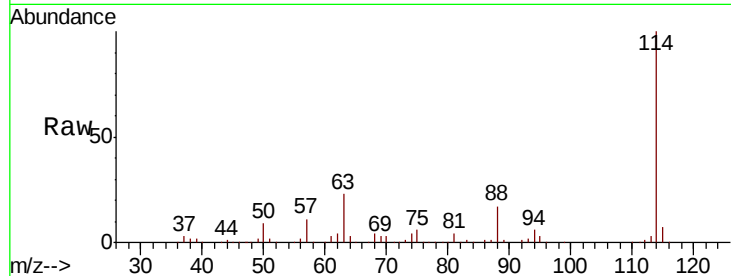




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009491.D
 Acq: 10 May 2019 19:16

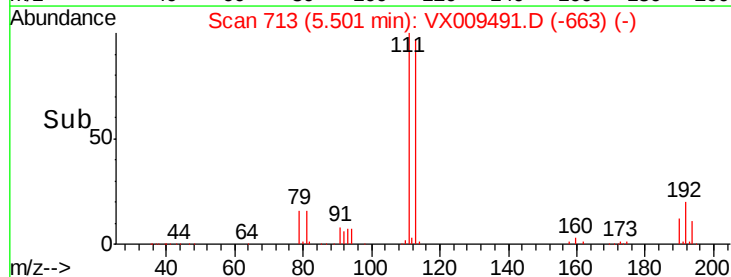
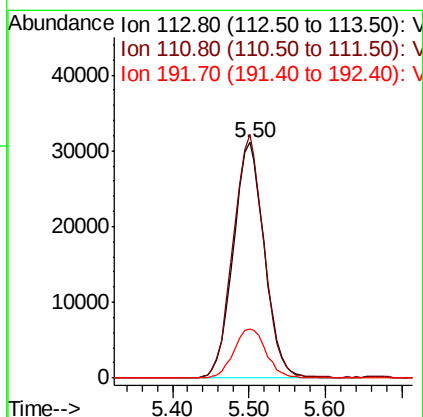
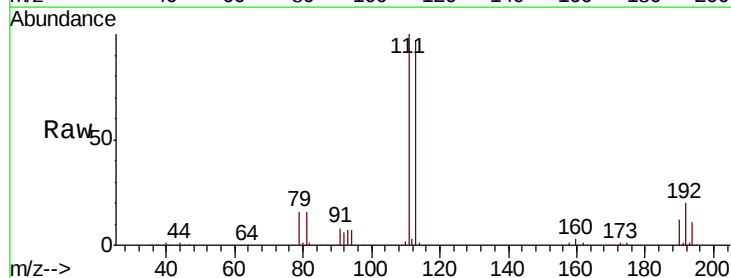
Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB04-190507

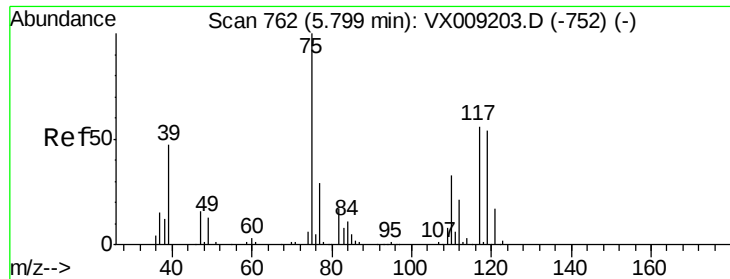
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.6
88	16.6	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 48.249 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009491.D
 Acq: 10 May 2019 19:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	21.6	17.0	25.6





#36

1,1-Dichloropropene

Concen: 5.205 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009491.D

Acq: 10 May 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB04-190507

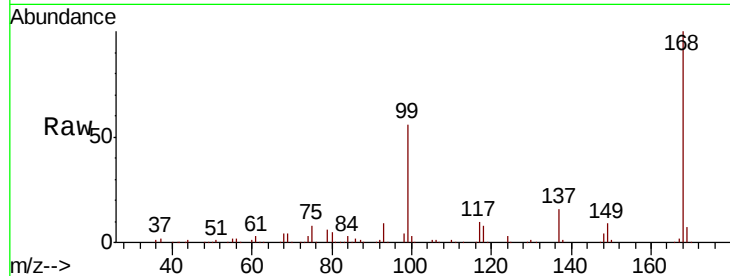
Tot Ion: 75 Resp: 13988

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

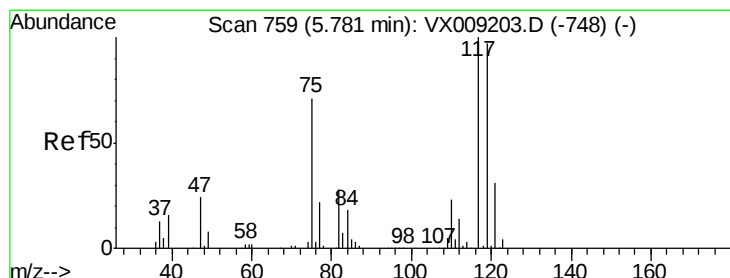
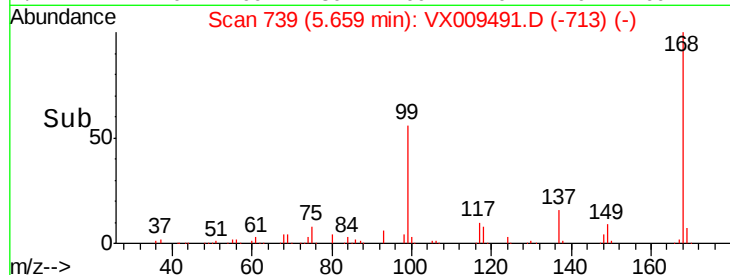
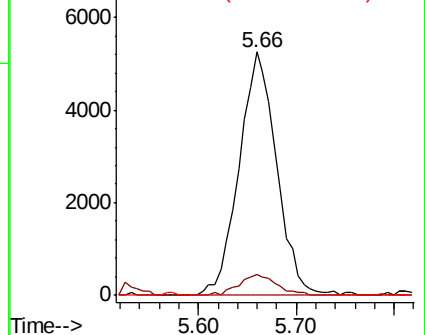
77 0.0 24.8 37.2#



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: 6.953 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009491.D

Acq: 10 May 2019 19:16

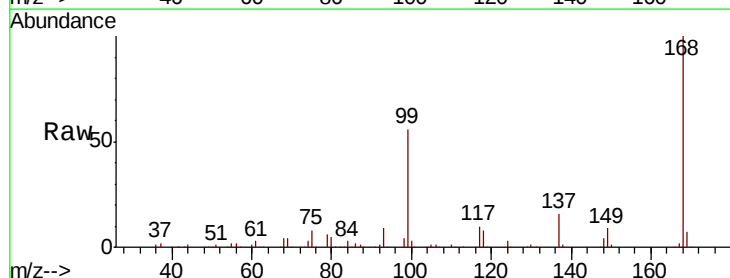
Tgt Ion:117 Resp: 16977

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

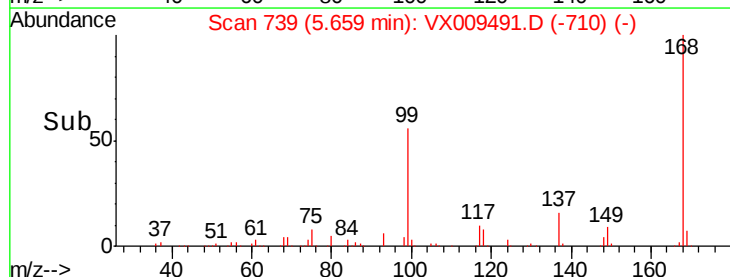
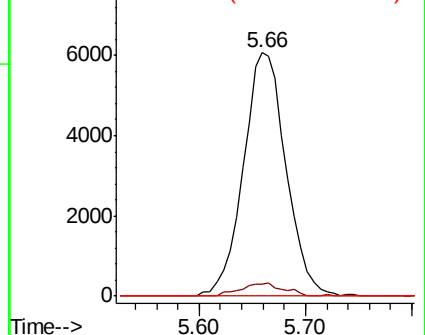
121 0.0 24.7 37.1#

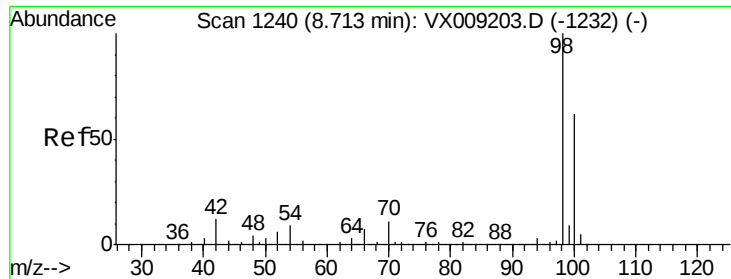


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

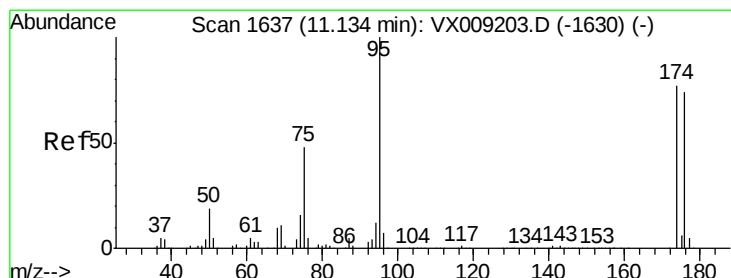
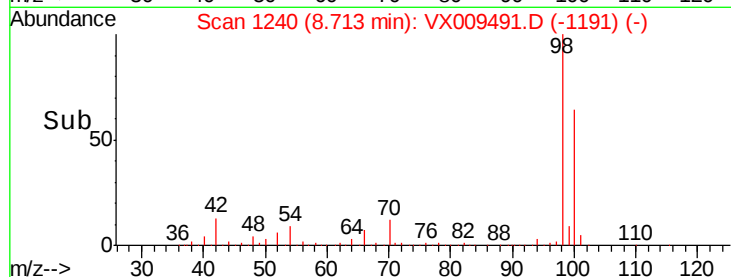
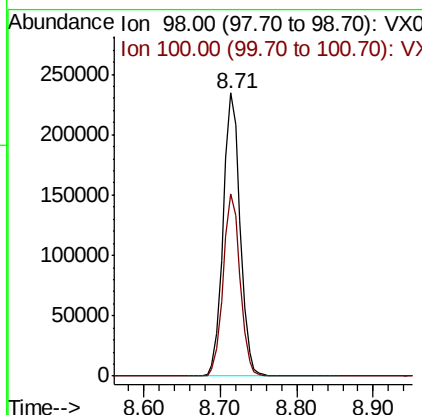
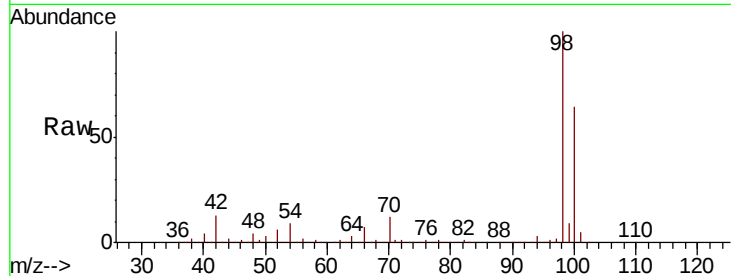




#50
Toluene-d8
Concen: 49.001 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009491.D
Acq: 10 May 2019 19:16

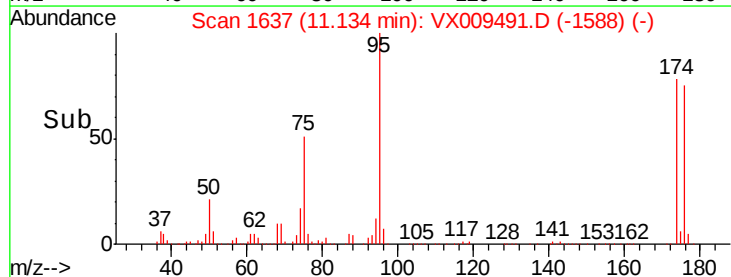
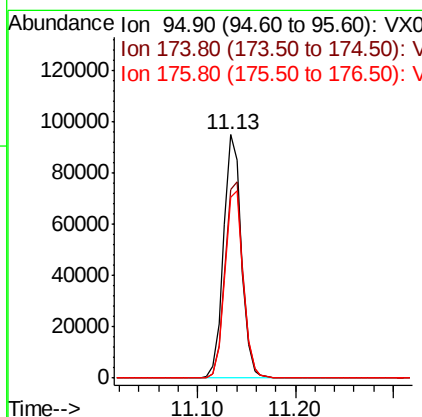
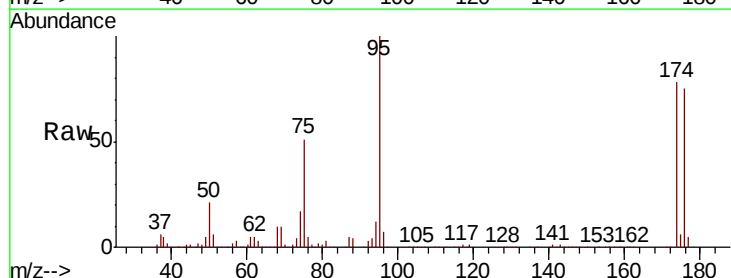
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB04-190507

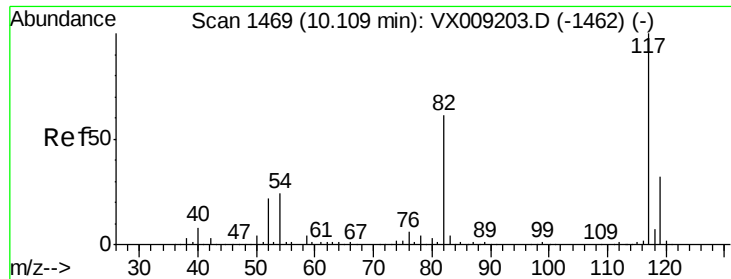
Tot Ion: 98 Resp: 359643
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 44.873 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009491.D
Acq: 10 May 2019 19:16

Tgt Ion: 95 Resp: 119670
Ion Ratio Lower Upper
95 100
174 82.5 0.0 161.6
176 79.6 0.0 159.2

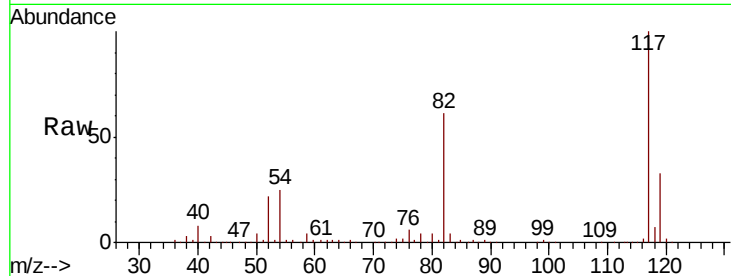




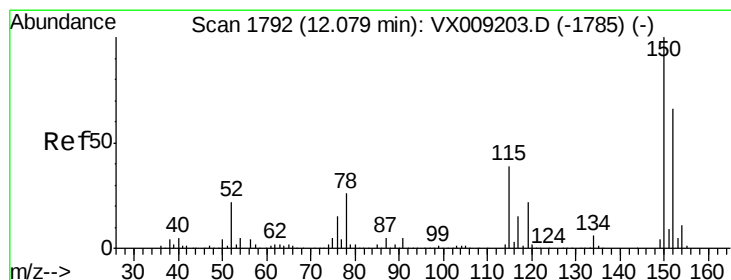
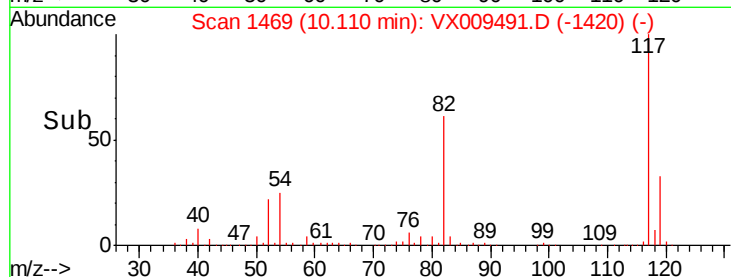
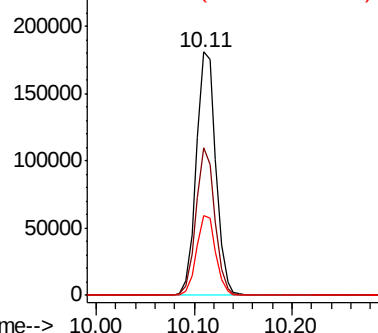
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009491.D
Acq: 10 May 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
Z4-TB04-190507

Tot Ion:117 Resp: 251135
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 32.8 25.8 38.6

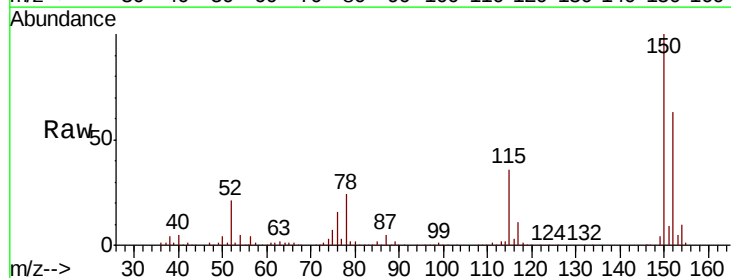


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

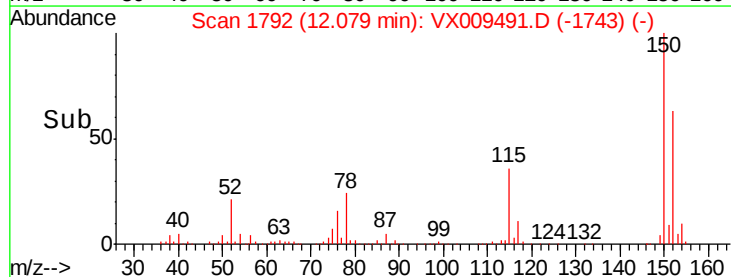
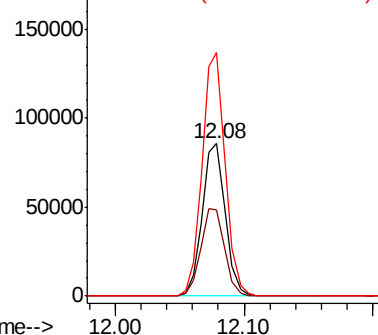


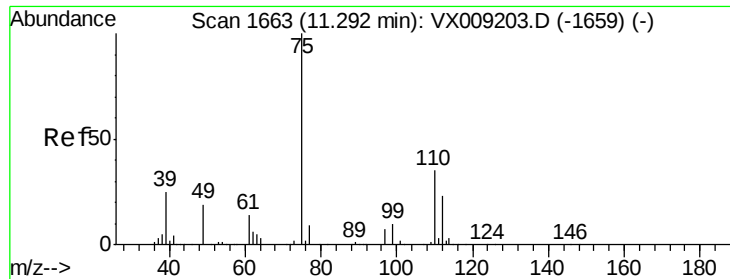
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009491.D
Acq: 10 May 2019 19:16

Tgt Ion:152 Resp: 107762
Ion Ratio Lower Upper
152 100
115 59.3 41.2 123.6
150 159.7 0.0 346.4



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

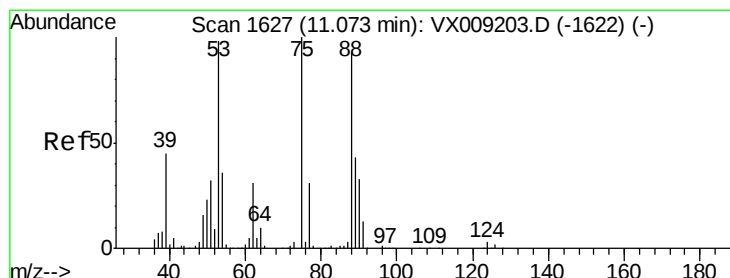
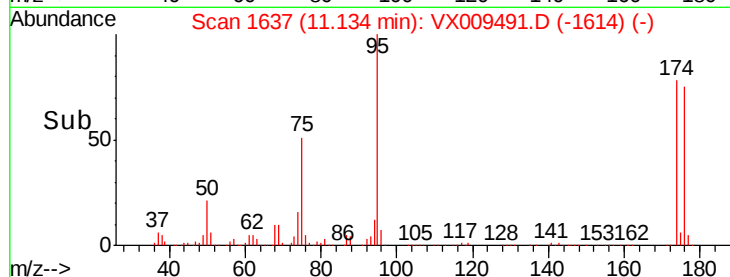
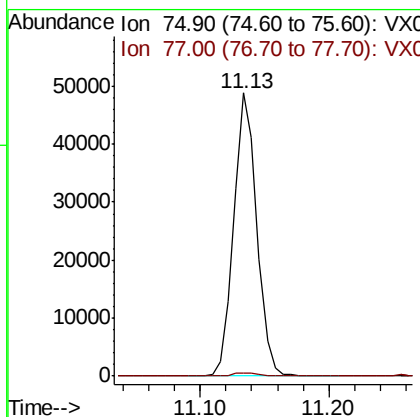
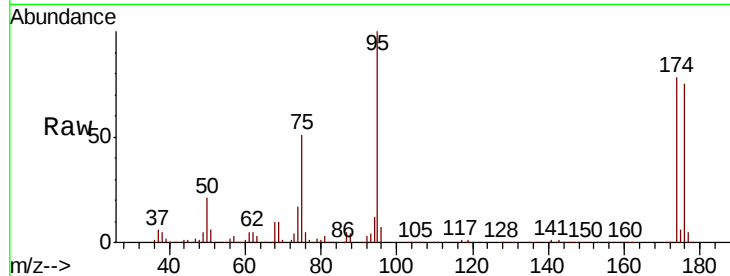




#76
 1,2,3-Trichloropropane
 Concen: 24.435 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009491.D
 Acq: 10 May 2019 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB04-190507

Tot Ion: 75 Resp: 61081
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.521 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009491.D
 Acq: 10 May 2019 19:16

Tgt Ion: 75 Resp: 61081
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

