

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021819\
 Data File : VX007583.D
 Acq On : 18 Feb 2019 12:52
 Operator : JC/SP
 Sample : K1507-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: Feb 19 04:10:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	476623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	755876	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	696457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	325971	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	264071	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
35) Dibromofluoromethane	5.50	113	247384	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	8.71	98	898642	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.13	95	311395	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

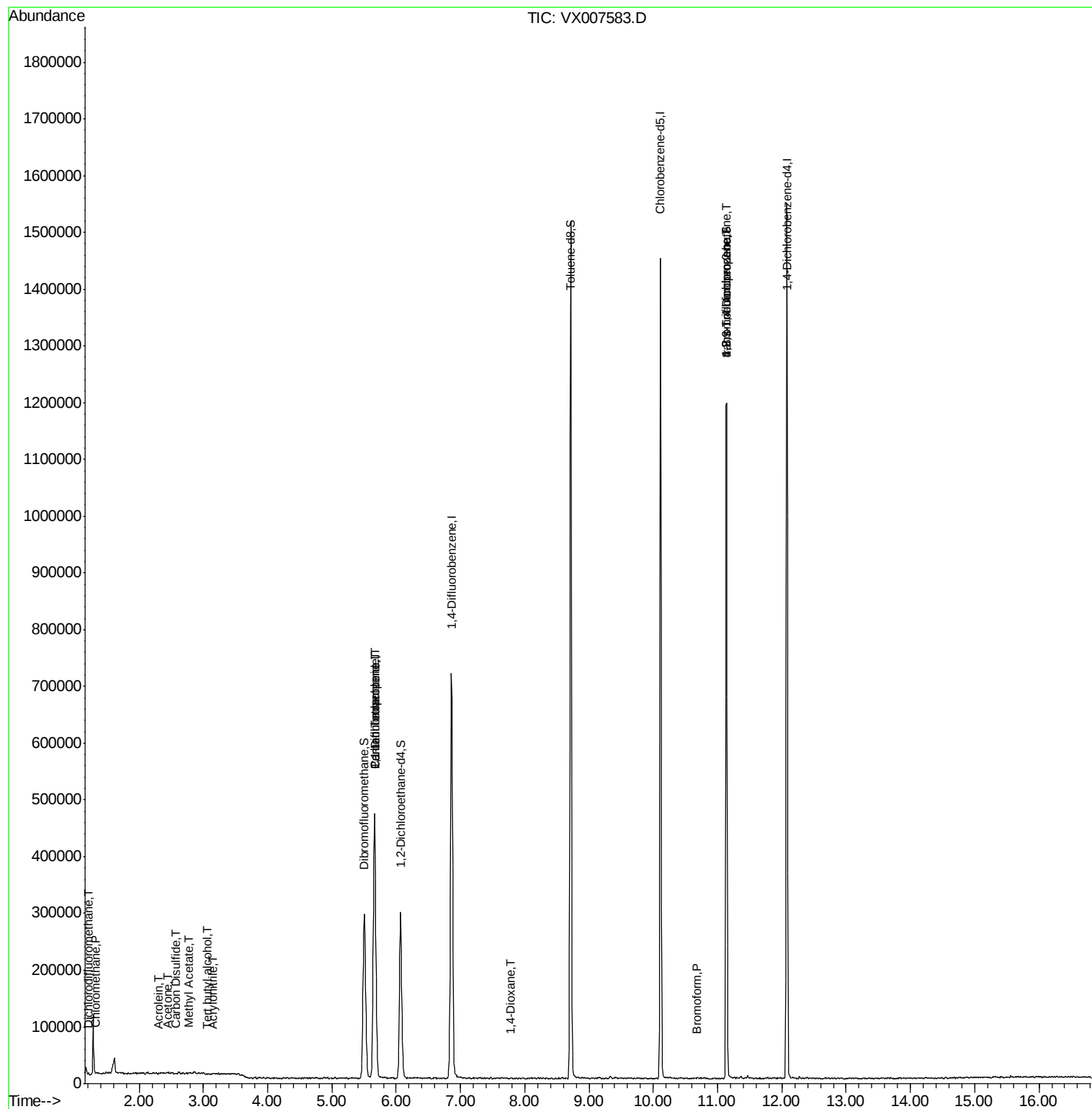
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	214	0.214	ug/l #	43
3) Chloromethane	1.33	50	1312	0.244	ug/l #	84
5) Bromomethane	1.65	94	735	Below Cal	#	55
11) Tert butyl alcohol	3.06	59	700	0.669	ug/l #	1
13) Acrolein	2.29	56	375	0.764	ug/l #	60
15) Acrylonitrile	3.16	53	725	0.280	ug/l #	62
16) Acetone	2.45	43	1628	0.703	ug/l #	86
17) Carbon Disulfide	2.57	76	1209	2.218	ug/l #	75
18) Methyl Acetate	2.78	43	1319	0.809	ug/l #	19
36) 1,1-Dichloropropene	5.67	75	32406	4.778	ug/l #	49
38) Carbon Tetrachloride	5.66	117	43583	6.624	ug/l #	18
49) 1,4-Dioxane	7.78	88	336	9.651	ug/l #	82
71) Bromoform	10.68	173	82	4.046	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	148516	23.423	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	148516	70.505	ug/l #	9

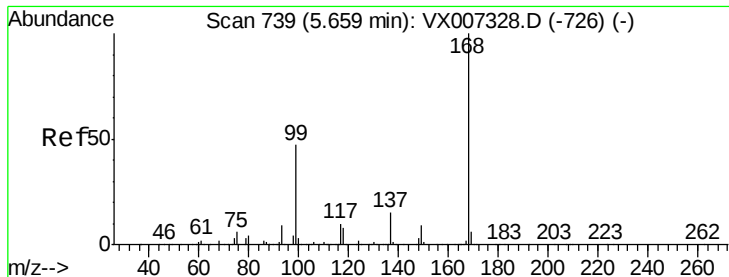
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007583.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

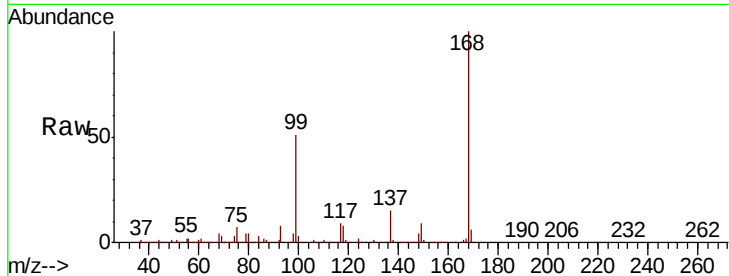
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion:168 Resp: 476623

Ion Ratio Lower Upper

168 100

99 51.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

5.67

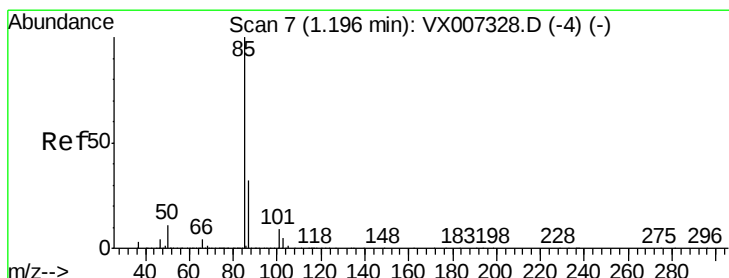
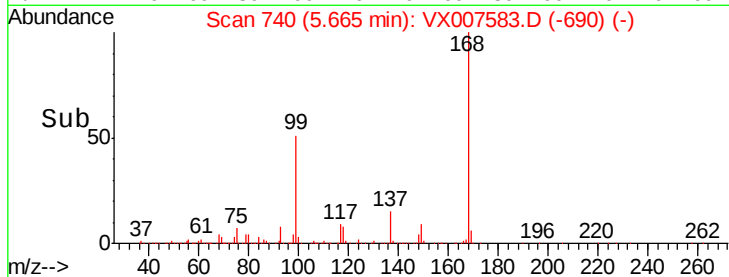
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.214 ug/l

RT: 1.21 min Scan# 9

Delta R.T. 0.01 min

Lab File: VX007583.D

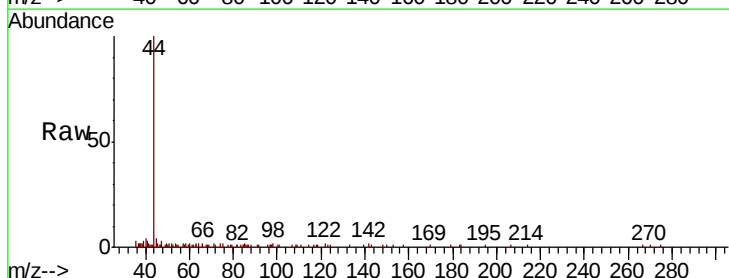
Acq: 18 Feb 2019 12:52

Tgt Ion: 85 Resp: 214

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250

200

150

100

50

0

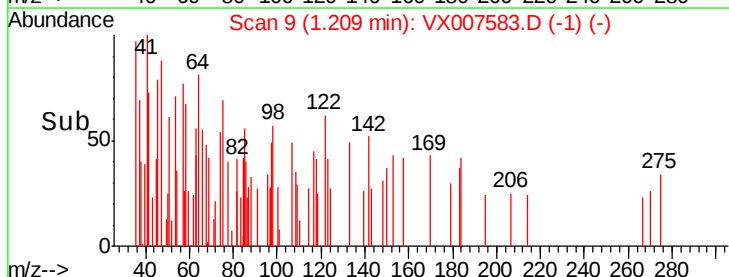
1.21

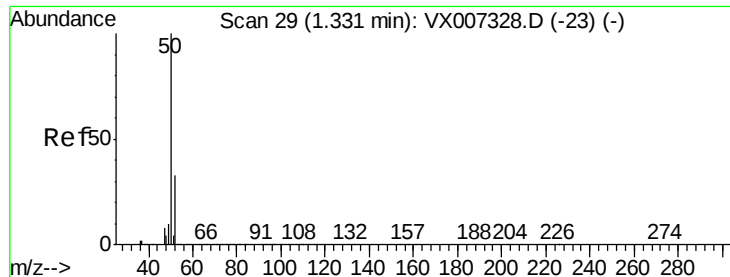
1.18

1.20

1.22

Time-->





#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007583.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

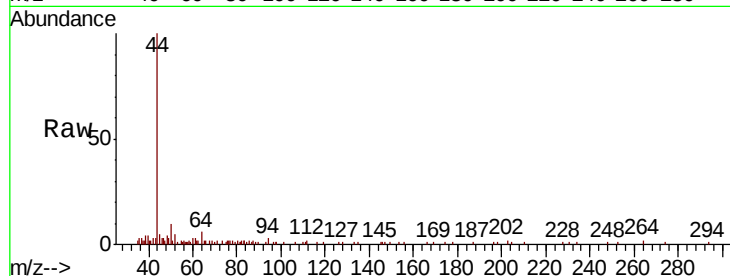
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 50 Resp: 1312

Ion Ratio Lower Upper

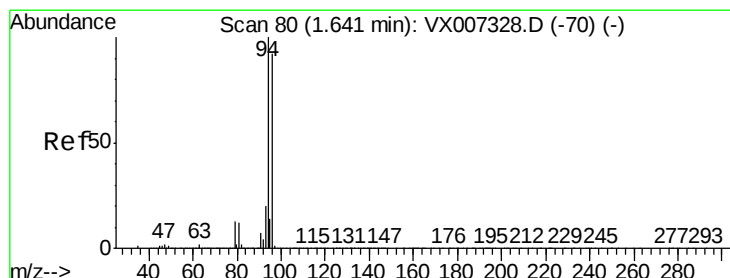
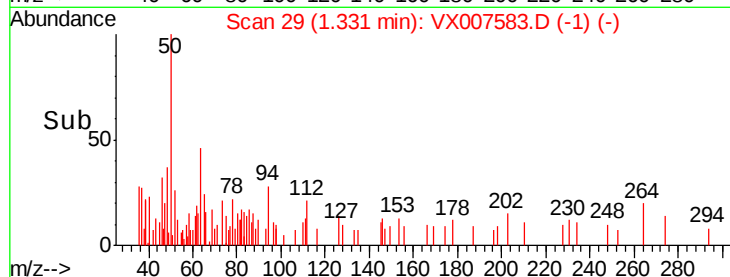
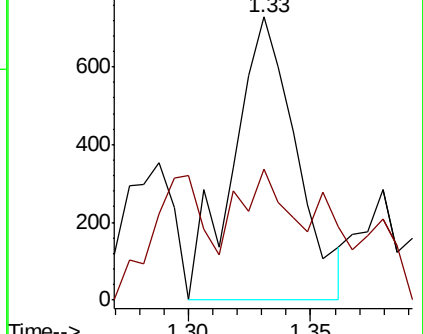
50 100

52 23.5 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007583.D

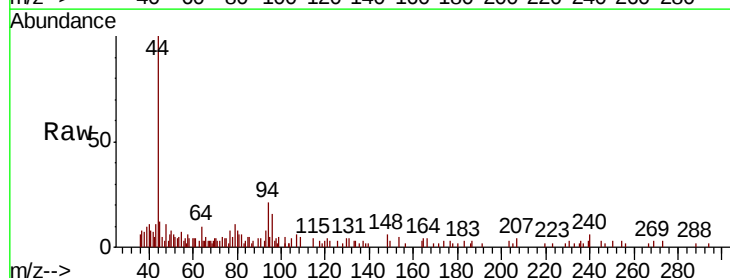
Acq: 18 Feb 2019 12:52

Tgt Ion: 94 Resp: 735

Ion Ratio Lower Upper

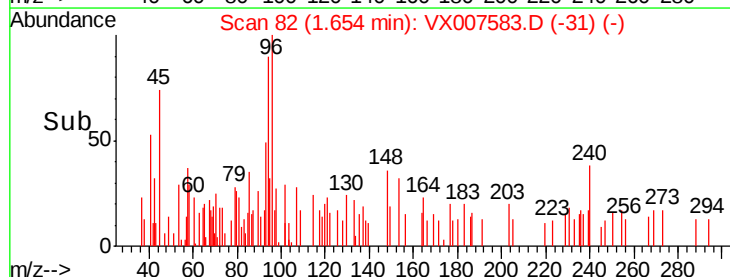
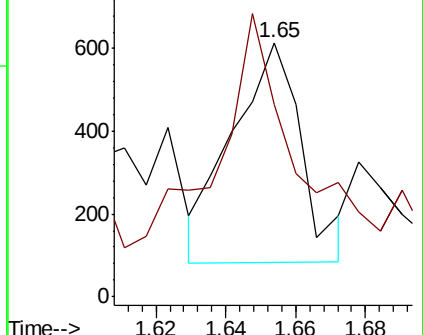
94 100

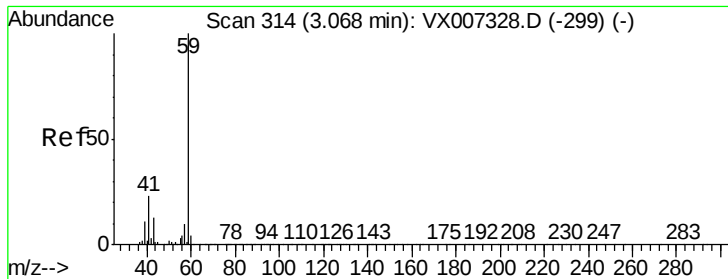
96 49.4 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

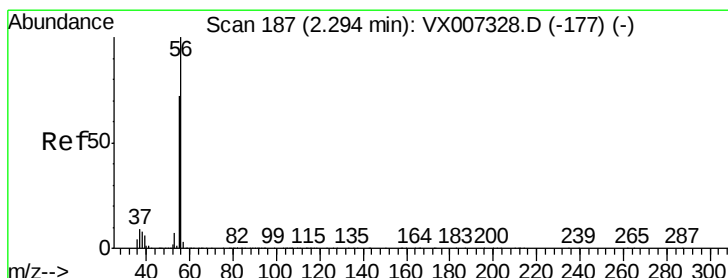
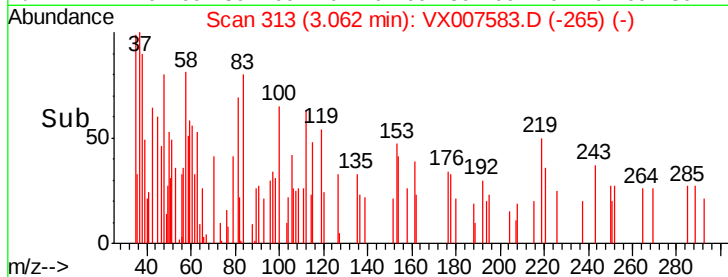
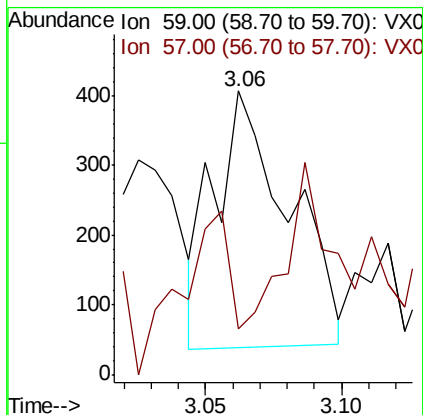
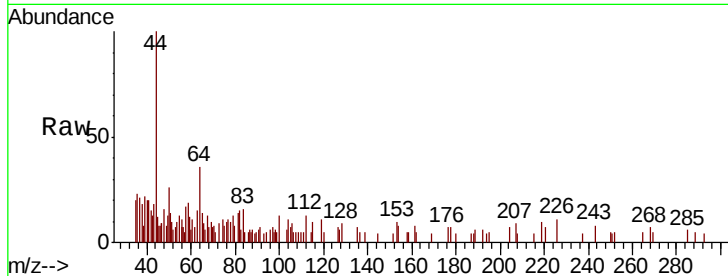




#11
Tert butyl alcohol
Concen: 0.669 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007583.D
Acq: 18 Feb 2019 12:52

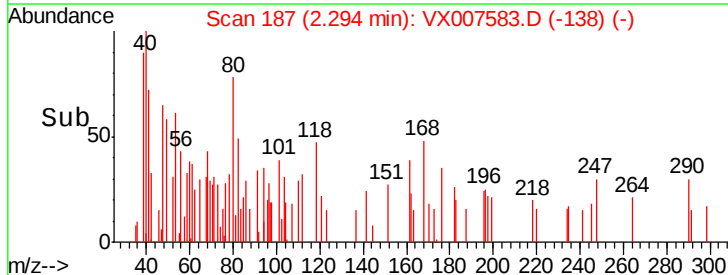
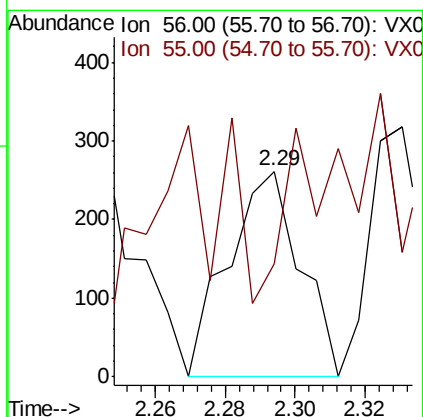
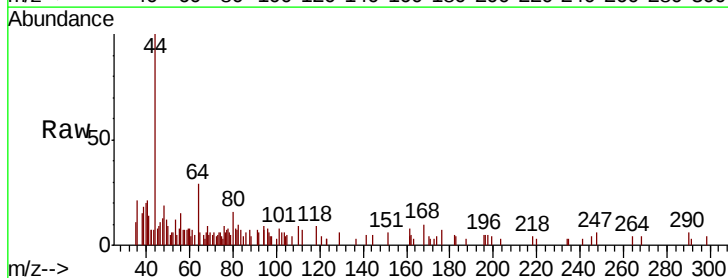
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

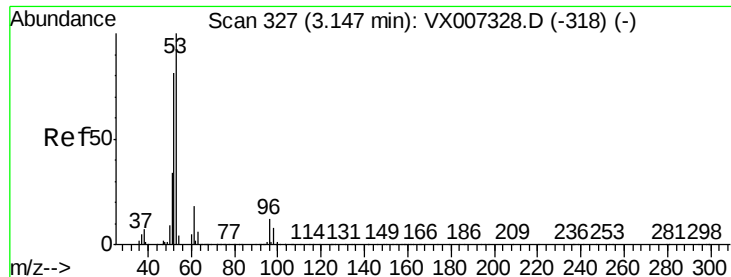
Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 48.0 8.1 12.1#



#13
Acrolein
Concen: 0.764 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX007583.D
Acq: 18 Feb 2019 12:52

Tgt Ion: 56 Resp: 375
Ion Ratio Lower Upper
56 100
55 37.6 56.9 85.3#





#15

Acrylonitrile

Concen: 0.280 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX007583.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

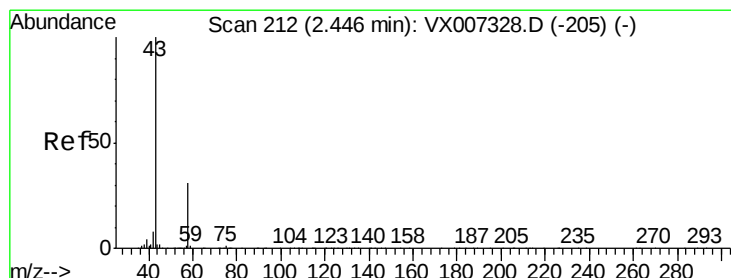
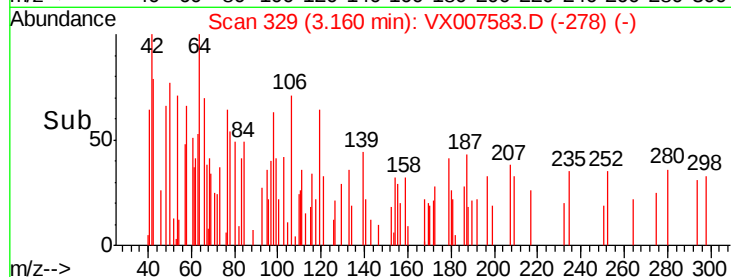
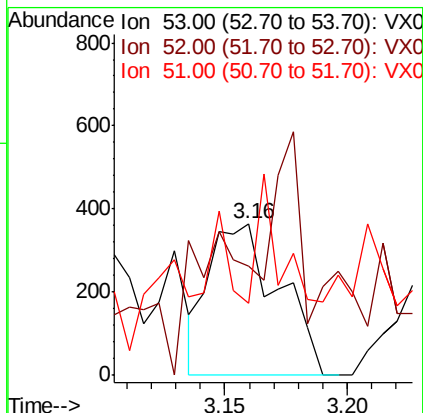
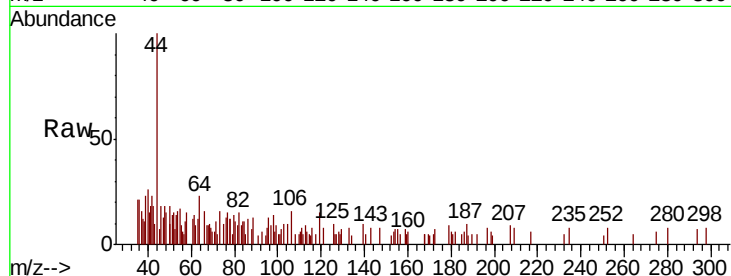
Tgt Ion: 53 Resp: 725

Ion Ratio Lower Upper

53 100

52 39.2 66.4 99.6#

51 28.8 28.4 42.6



#16

Acetone

Concen: 0.703 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007583.D

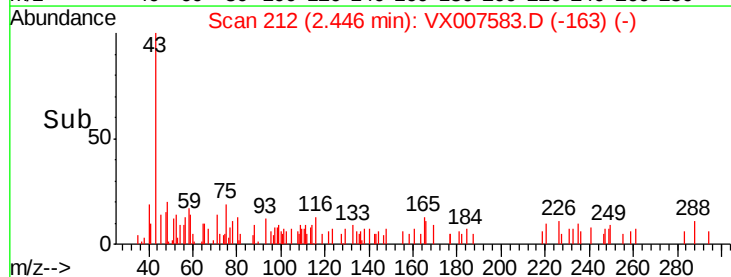
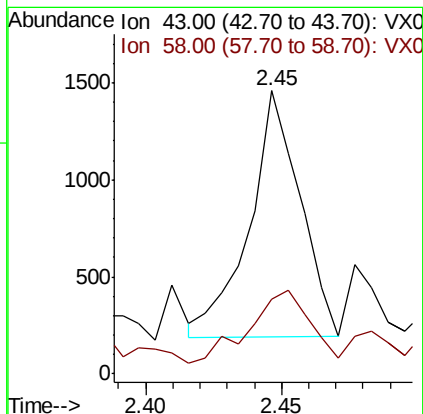
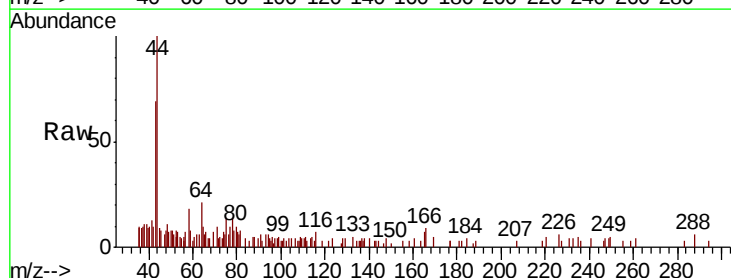
Acq: 18 Feb 2019 12:52

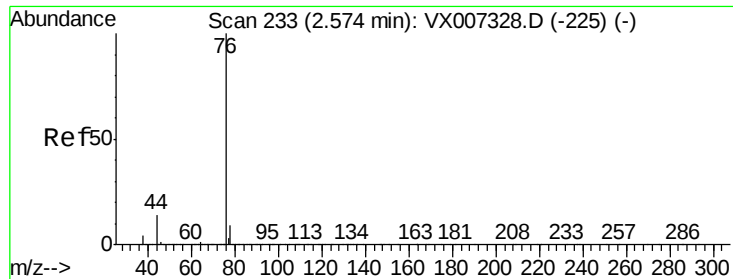
Tgt Ion: 43 Resp: 1628

Ion Ratio Lower Upper

43 100

58 39.1 24.9 37.3#





#17

Carbon Disulfide

Concen: 2.218 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007583.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

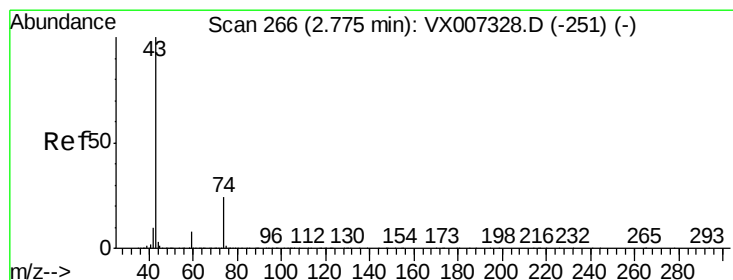
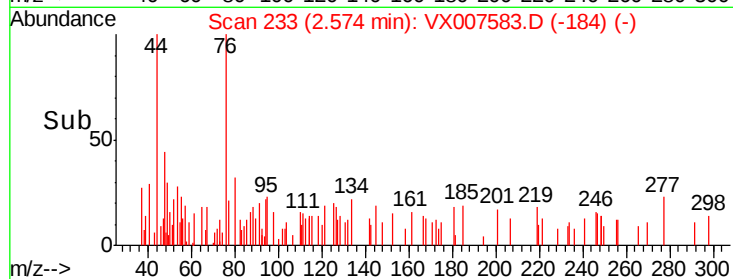
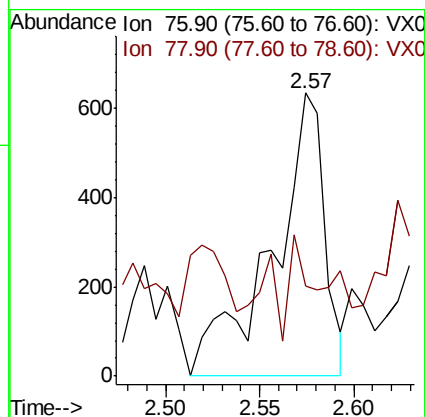
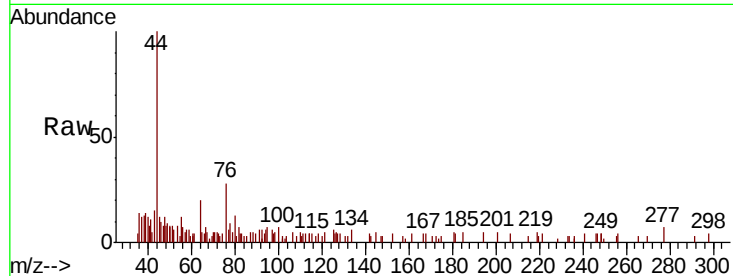
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 76 Resp: 1209

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 0.809 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX007583.D

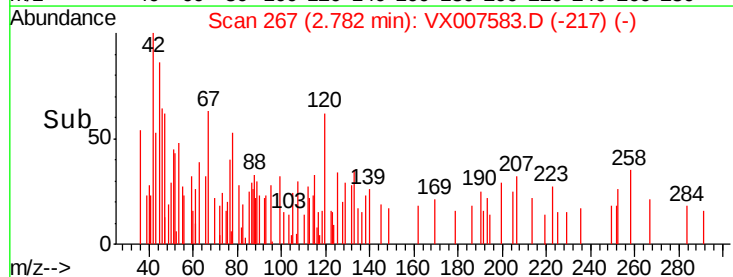
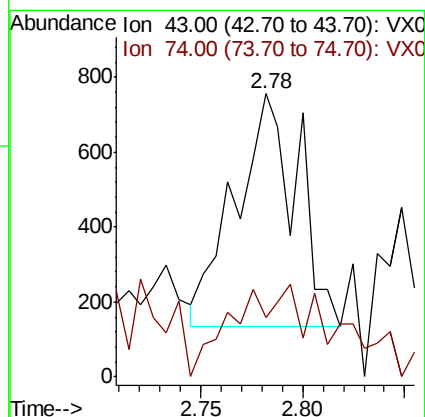
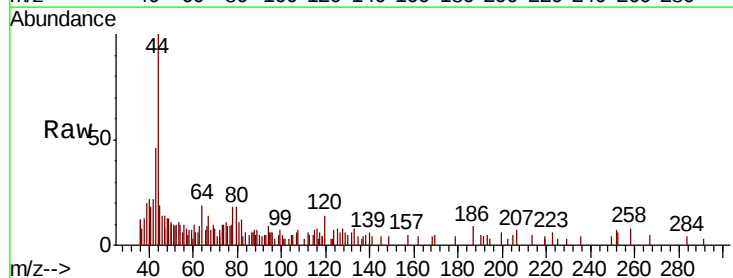
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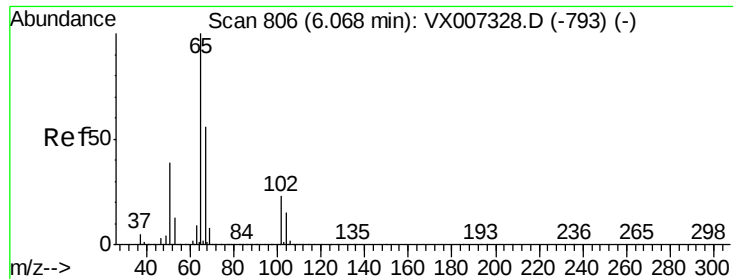
Tgt Ion: 43 Resp: 1319

Ion Ratio Lower Upper

43 100

74 64.4 19.4 29.2#

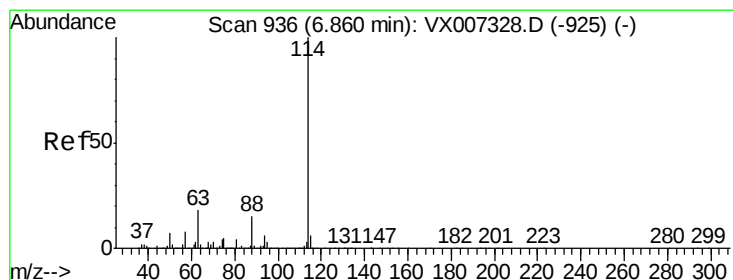
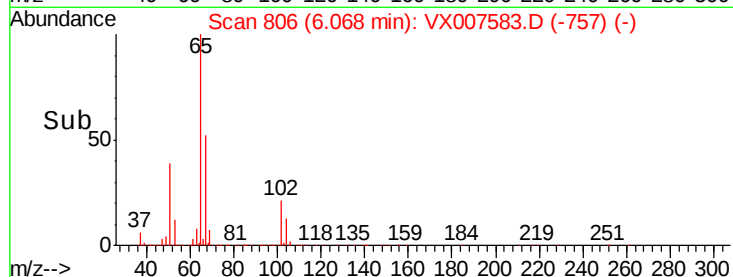
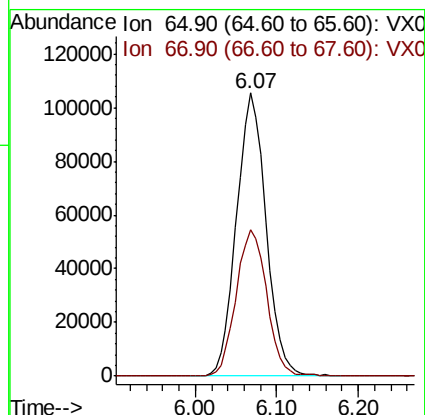
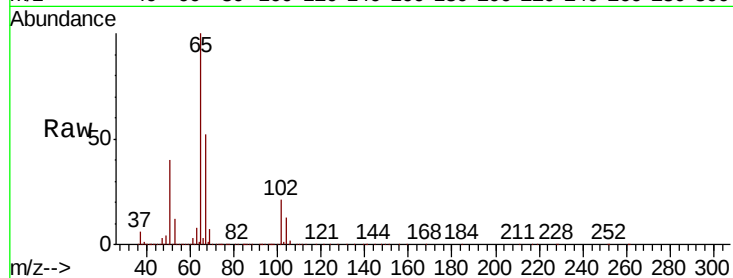




#33
 1,2-Dichloroethane-d4
 Concen: 52.199 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007583.D
 Acq: 18 Feb 2019 12:52

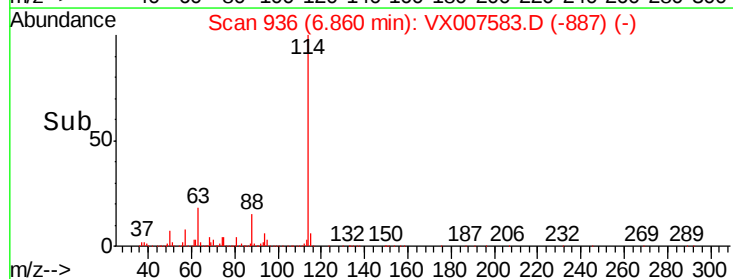
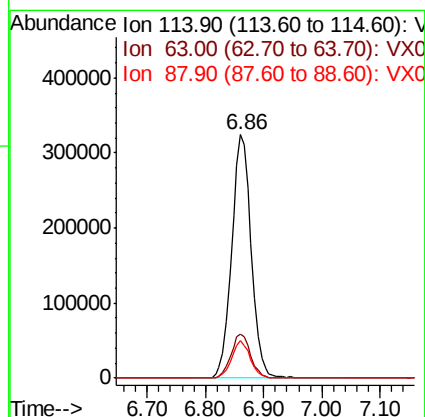
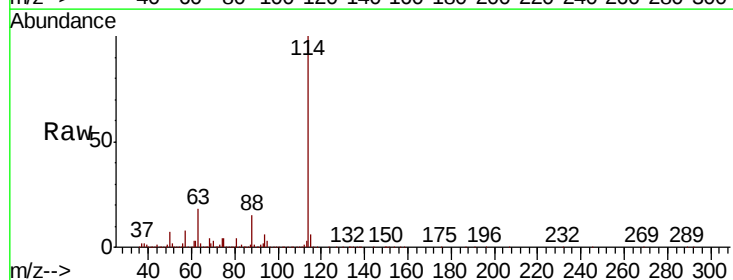
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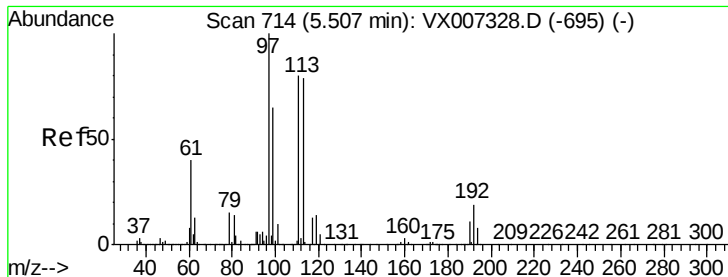
Tgt Ion: 65 Resp: 264071
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007583.D
 Acq: 18 Feb 2019 12:52

Tgt Ion: 114 Resp: 755876
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.300 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007583.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

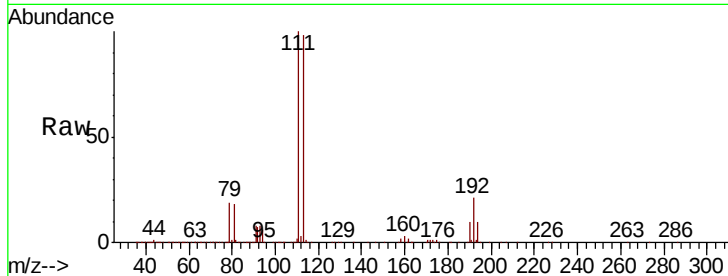
Tgt Ion:113 Resp: 247384

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

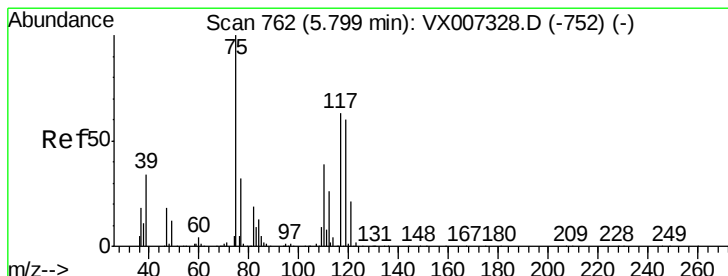
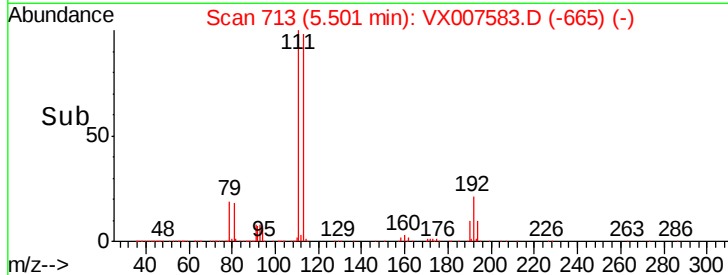
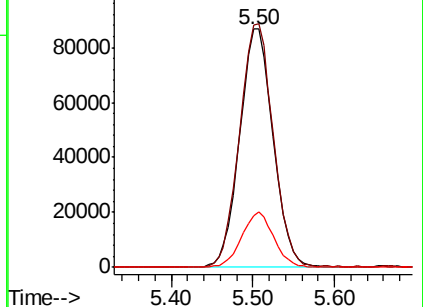
192 22.3 18.5 27.7



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: 4.778 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007583.D

Acq: 18 Feb 2019 12:52

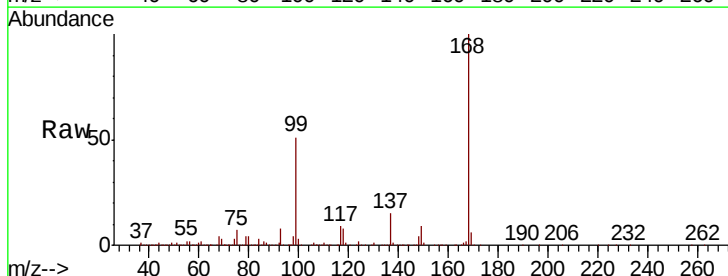
Tgt Ion: 75 Resp: 32406

Ion Ratio Lower Upper

75 100

110 10.1 20.0 59.9#

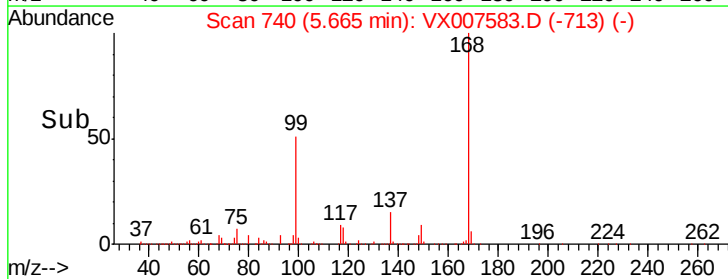
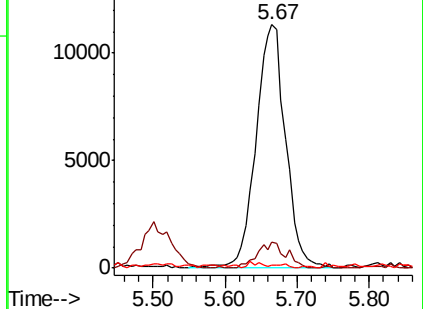
77 0.7 24.7 37.1#

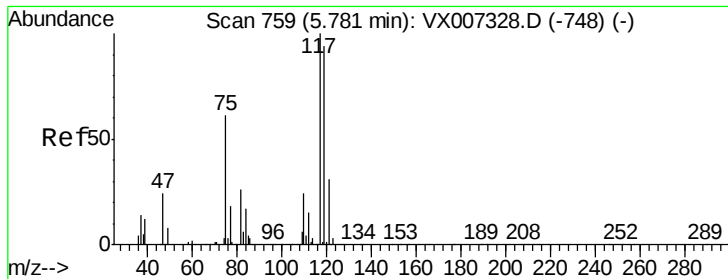


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

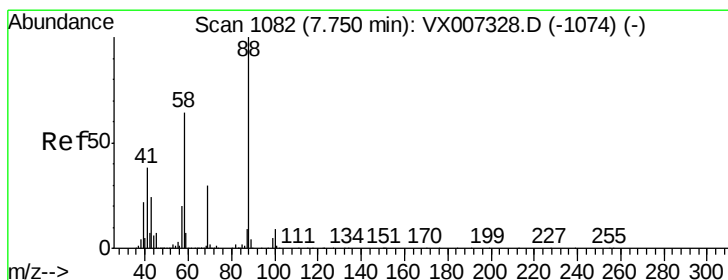
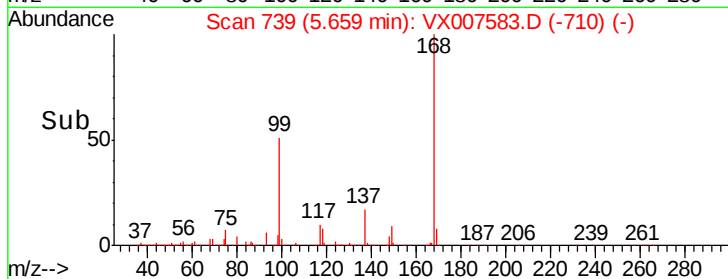
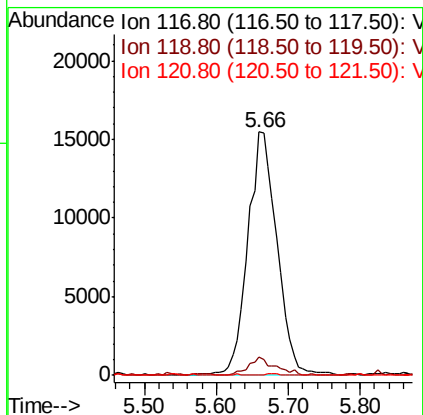
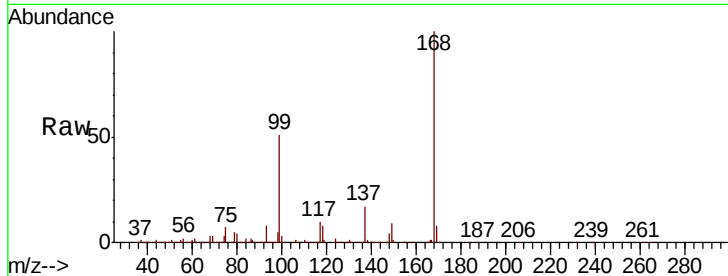




#38
Carbon Tetrachloride
Concen: 6.624 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX007583.D
Acq: 18 Feb 2019 12:52

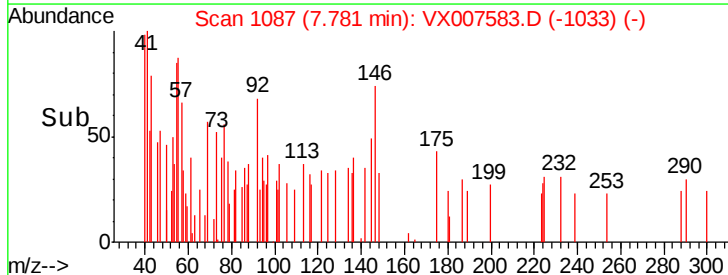
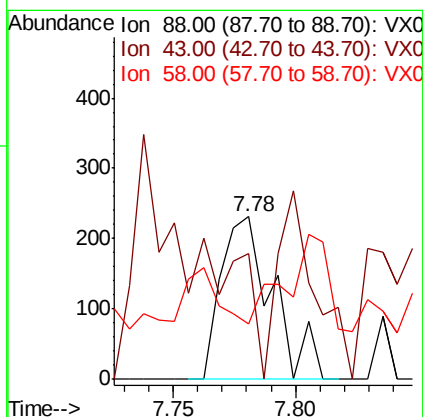
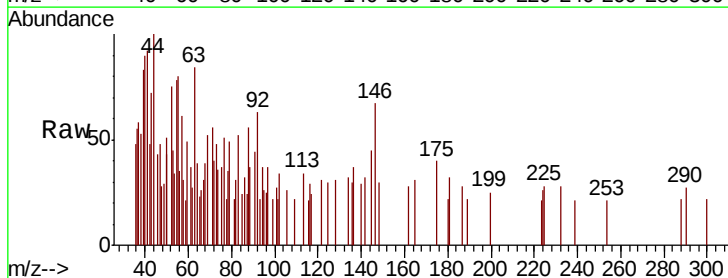
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

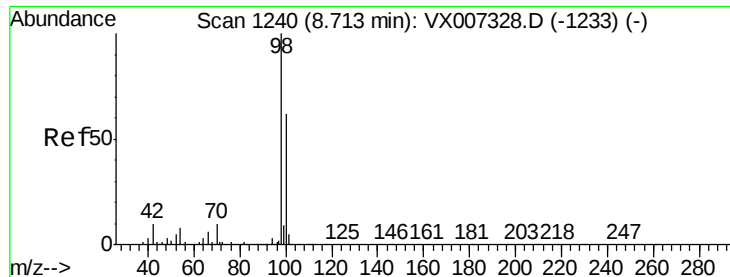
Tgt Ion:117 Resp: 43583
Ion Ratio Lower Upper
117 100
119 7.4 75.3 112.9#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 9.651 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.03 min
Lab File: VX007583.D
Acq: 18 Feb 2019 12:52

Tgt Ion: 88 Resp: 336
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 66.1 53.0 79.4





#50

Toluene-d8

Concen: 49.248 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007583.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

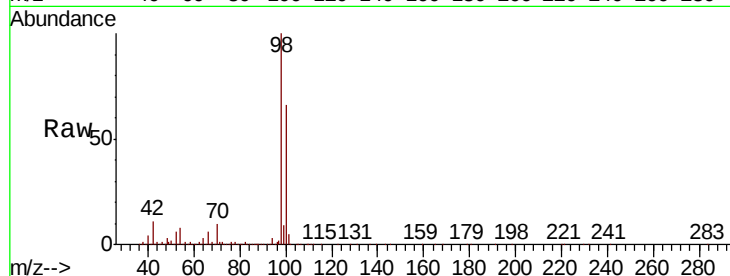
STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 98 Resp: 898642

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

600000

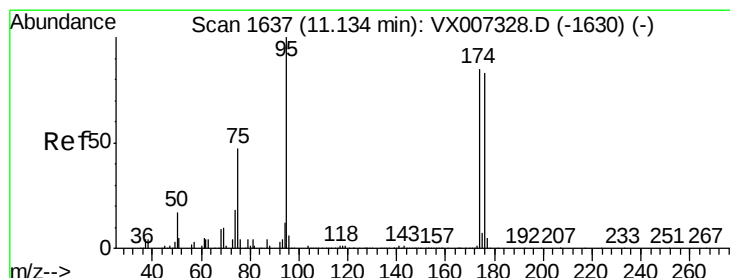
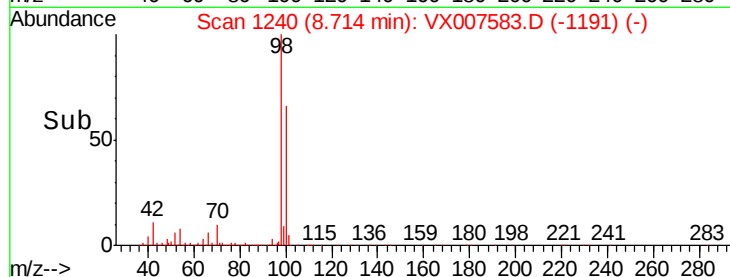
400000

200000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 46.741 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007583.D

Acq: 18 Feb 2019 12:52

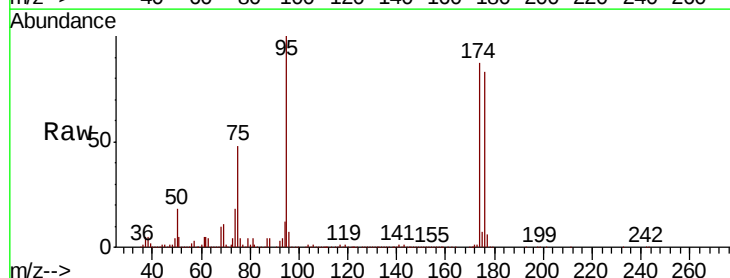
Tgt Ion: 95 Resp: 311395

Ion Ratio Lower Upper

95 100

174 93.6 0.0 189.2

176 89.4 0.0 186.2



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

300000

250000

200000

150000

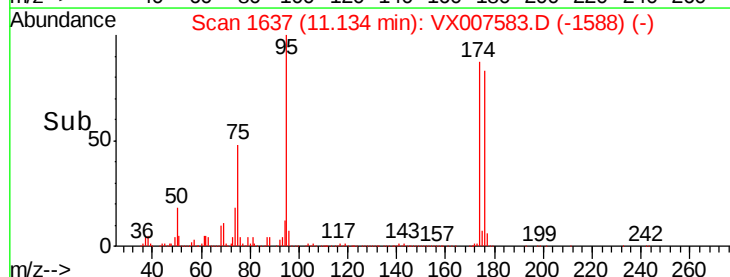
100000

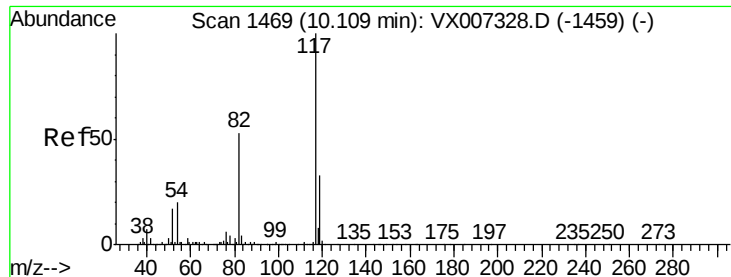
50000

0

11.10 11.13 11.16 11.19 11.22

Time-->

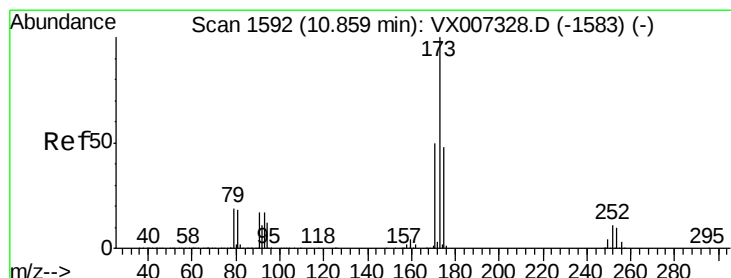
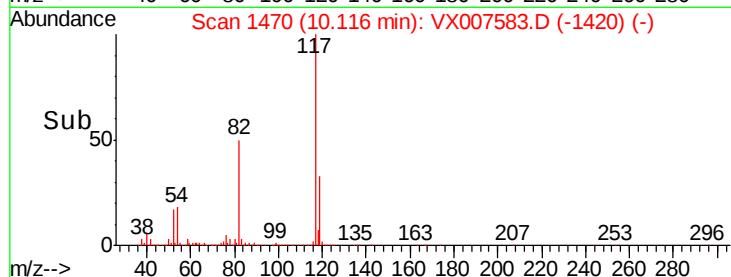
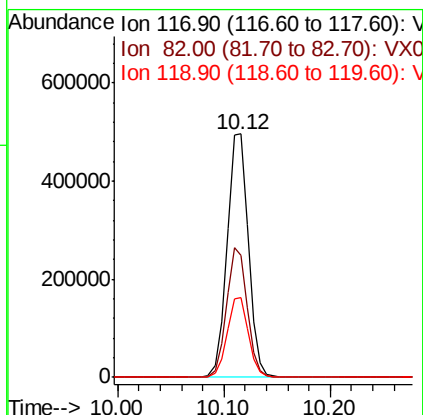
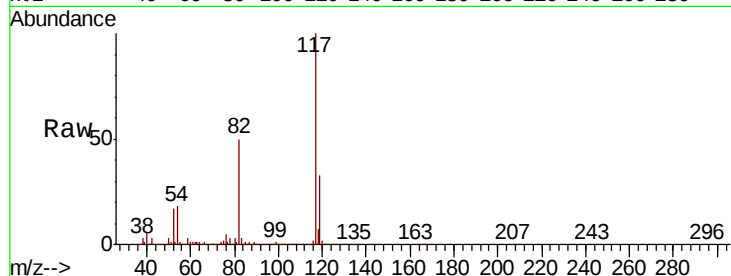




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007583.D
Acq: 18 Feb 2019 12:52

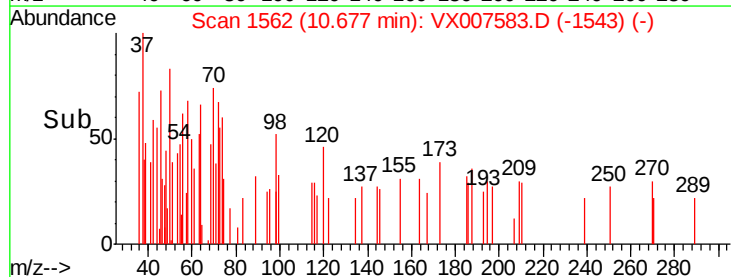
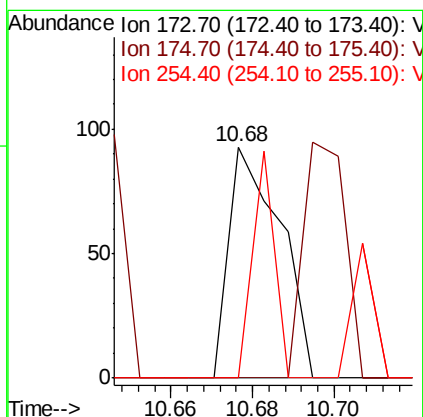
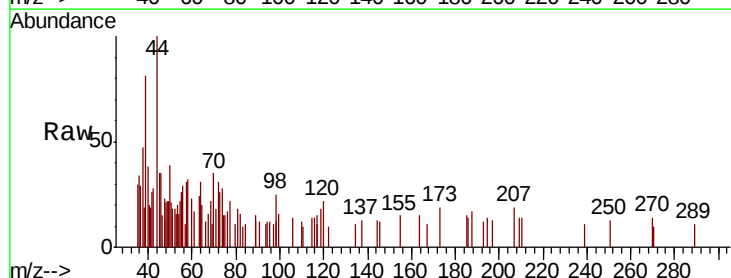
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

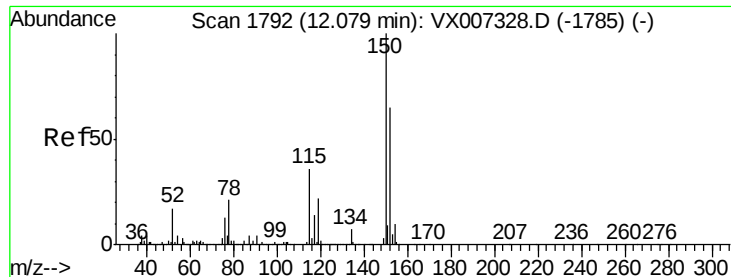
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.1	42.1	63.1
119	32.7	26.5	39.7



#71
Bromoform
Concen: 4.046 ug/l
RT: 10.68 min Scan# 1562
Delta R.T. -0.18 min
Lab File: VX007583.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6#
254	40.2	0.2	0.2#



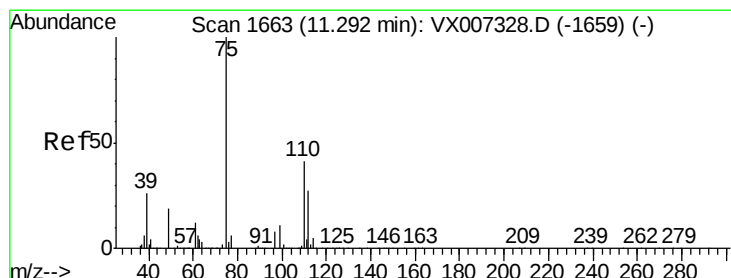
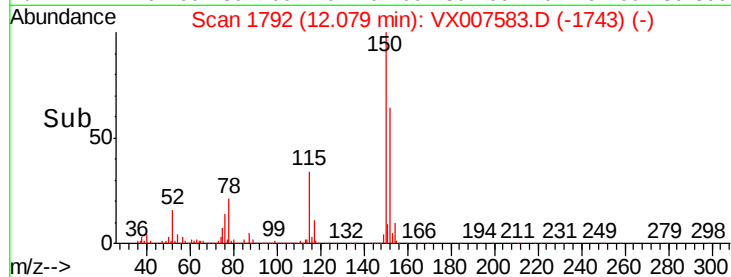
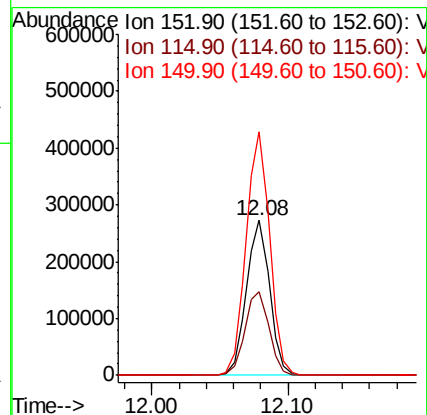
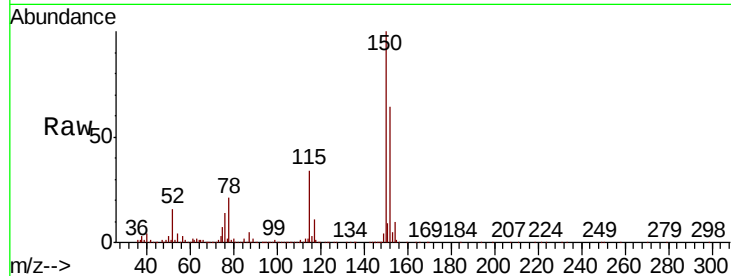


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007583.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

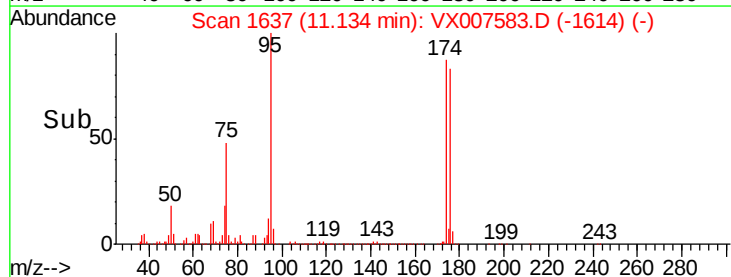
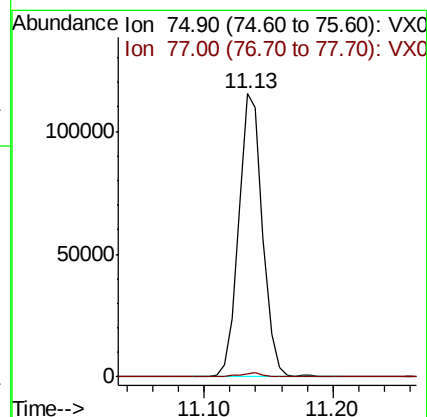
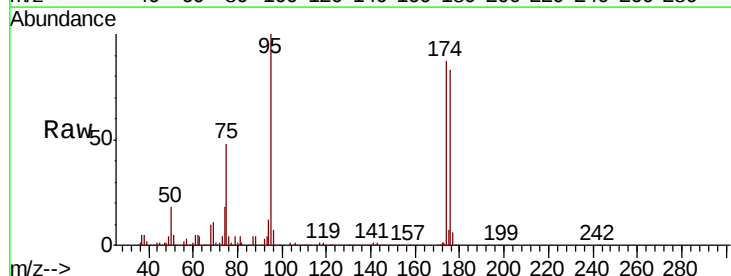
Tgt Ion: 152 Resp: 325971
Ion Ratio Lower Upper
152 100
115 55.8 38.0 114.0
150 159.6 0.0 346.4

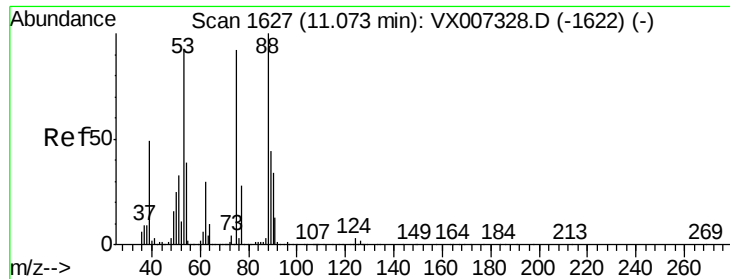


#76

1,2,3-Trichloropropane
Concen: 23.423 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007583.D
Acq: 18 Feb 2019 12:52

Tgt Ion: 75 Resp: 148516
Ion Ratio Lower Upper
75 100
77 1.5 23.0 69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.505 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007583.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tgt Ion: 75 Resp: 148516

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

