

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080218\
 Data File : VX003823.D
 Acq On : 02 Aug 2018 14:17
 Operator : JC/MD
 Sample : J4233-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CAP-2

Quant Time: Aug 03 03:20:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	24152	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	123424	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	113608	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	50306	28.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.57%
60) 4-Bromofluorobenzene	11.14	95	48271	26.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.97%
63) Toluene-d8	8.72	98	148274	28.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.57%

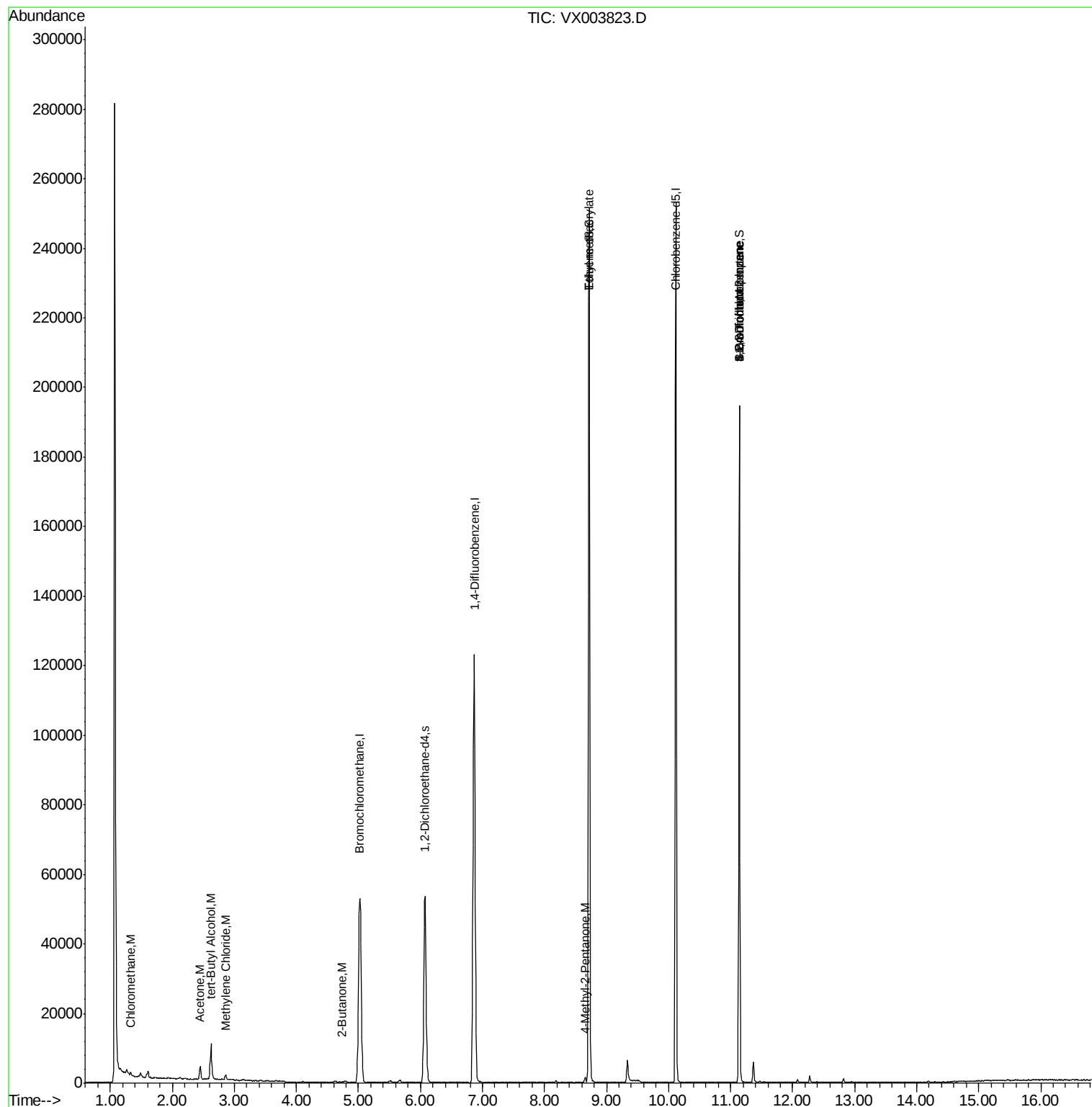
Target Compounds					Ovalue
3) Chloromethane	1.32	50	1110	0.65 ug/l	89
15) Acetone	2.45	58	1216	4.44 ug/l	81
18) Methylene Chloride	2.86	84	602	0.37 ug/l	86
23) tert-Butyl Alcohol	2.62	59	499	1.18 ug/l #	100
30) 2-Butanone	4.73	43	492	0.42 ug/l #	59
51) Ethyl methacrylate	8.73	69	513	0.22 ug/l #	74
56) Bromoform	11.15	173	466	0.40 ug/l #	1
58) 4-Methyl-2-Pentanone	8.66	43	934	0.44 ug/l #	94
72) 1,2,3-Trichloropropane	11.14	75	23035	11.78 ug/l	41
77) t-1,4-Dichloro-2-butene	11.14	75	23035	34.58 ug/l #	11

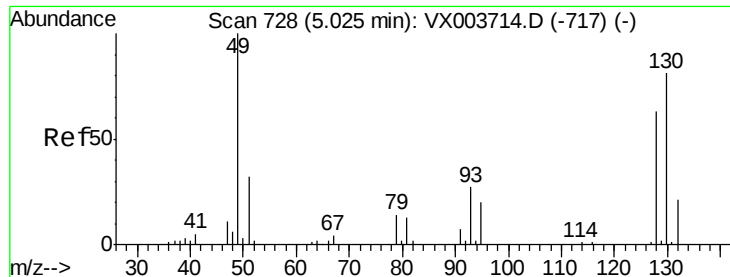
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 03 03:20:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration

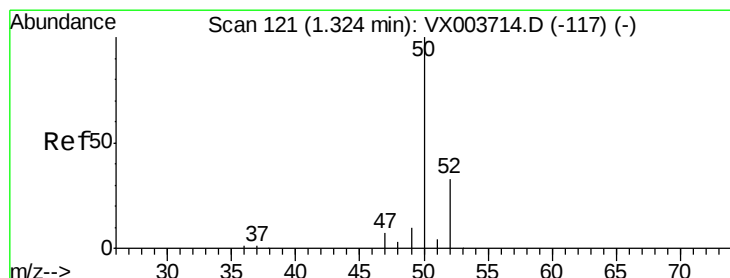
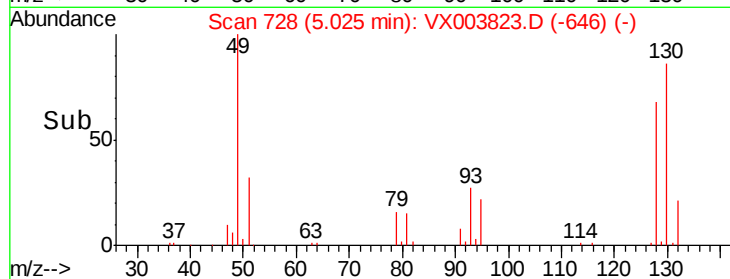
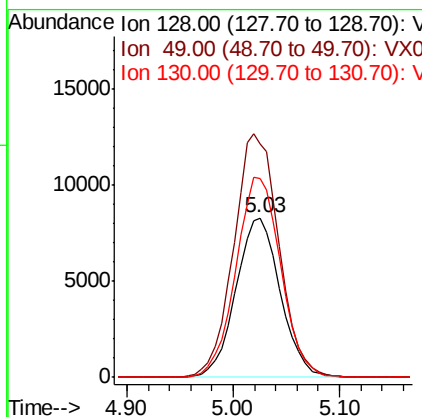
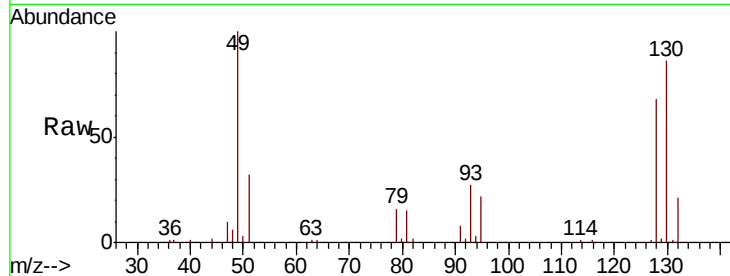




#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX003823.D
 Acq: 02 Aug 2018 14:17

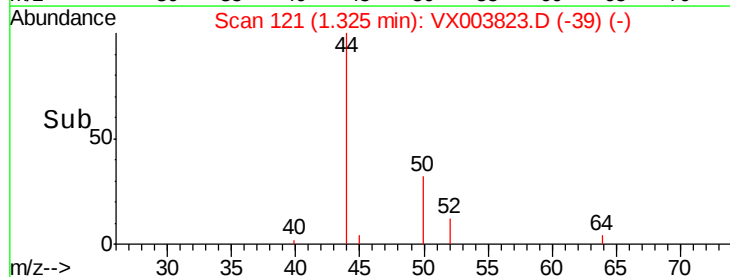
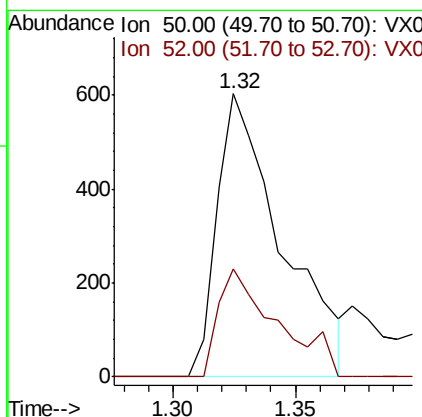
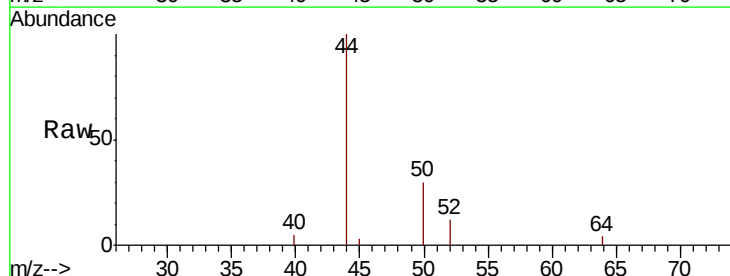
Instrument :
 MSVOA_X
 ClientSampleId :
 CAP-2

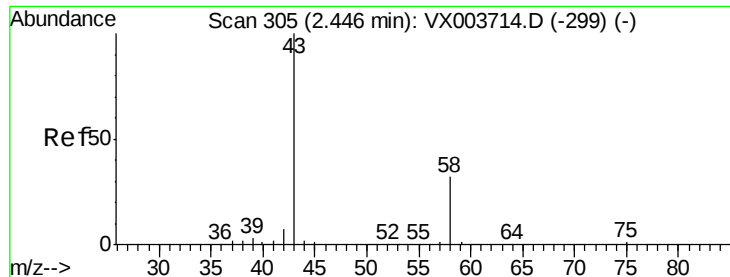
Tot Ion:128 Resp: 24152
 Ion Ratio Lower Upper
 128 100
 49 155.8 0.0 423.0
 130 127.6 0.0 324.3



#3
 Chloromethane
 Concen: 0.65 ug/l
 RT: 1.32 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VX003823.D
 Acq: 02 Aug 2018 14:17

Tgt Ion: 50 Resp: 1110
 Ion Ratio Lower Upper
 50 100
 52 38.3 25.6 38.4





#15

Acetone

Concen: 4.44 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003823.D

Acq: 02 Aug 2018 14:17

Instrument :

MSVOA_X

ClientSampled :

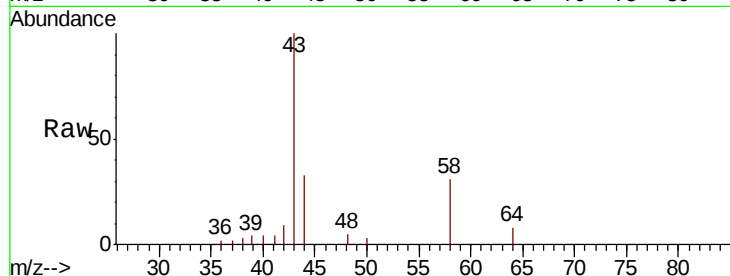
CAP-2

Tot Ion: 58 Resp: 1216

Ion Ratio Lower Upper

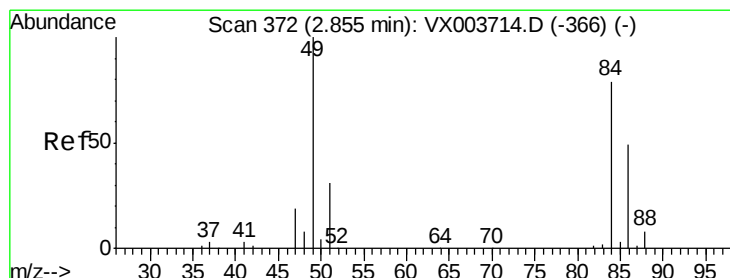
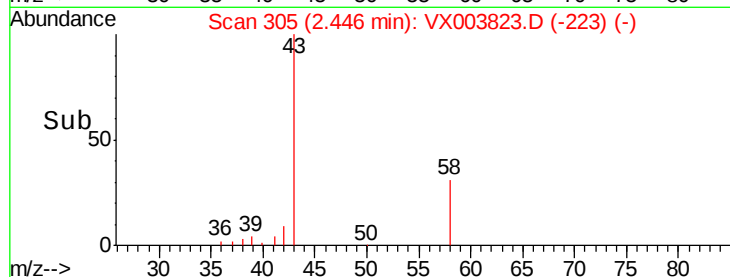
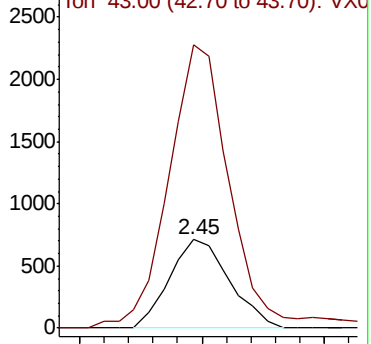
58 100

43 307.4 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#18

Methylene Chloride

Concen: 0.37 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003823.D

Acq: 02 Aug 2018 14:17

Tgt Ion: 84 Resp: 602

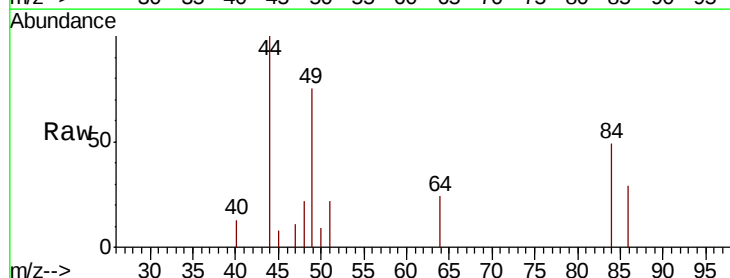
Ion Ratio Lower Upper

84 100

49 154.1 104.7 157.1

51 45.2 31.0 46.4

86 59.9 50.8 76.2

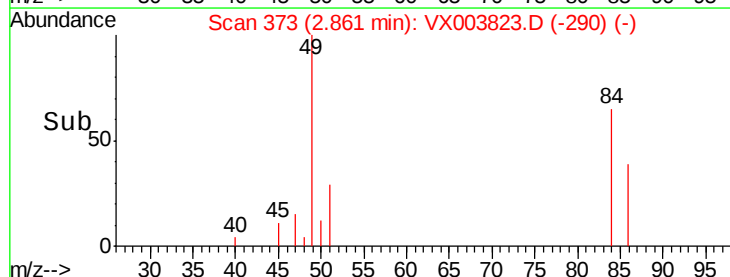
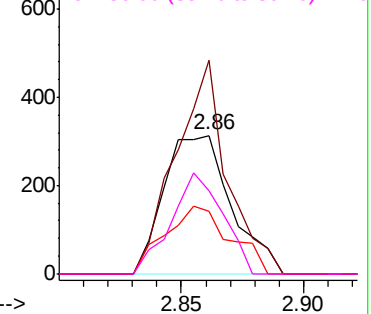


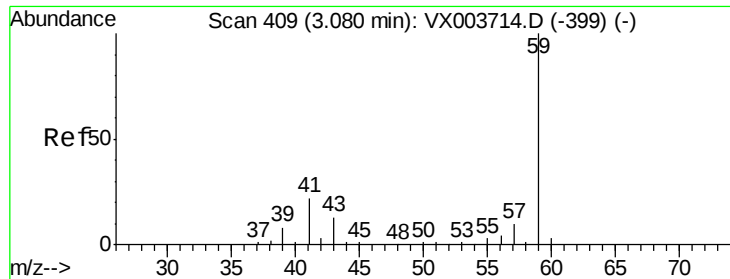
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



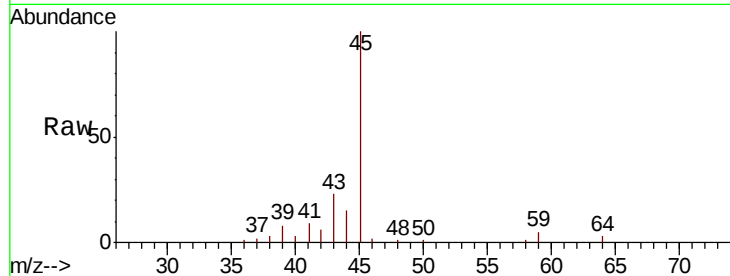


#23

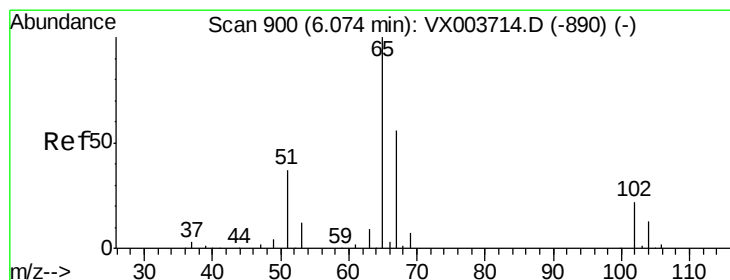
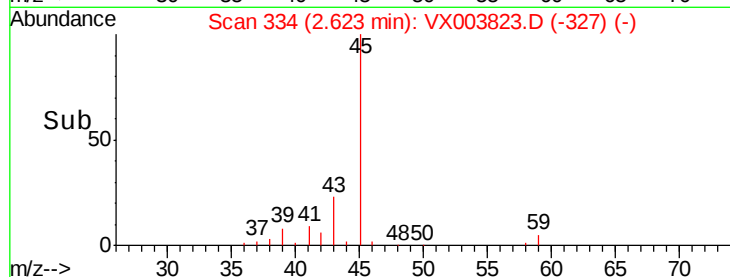
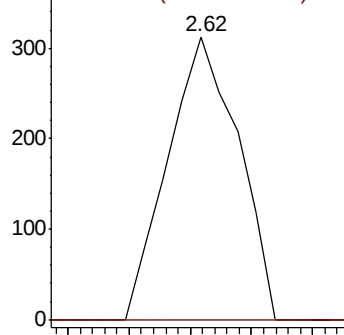
tert-Butyl Alcohol
 Concen: 1.18 ug/l
 RT: 2.62 min Scan# 334
 Delta R.T. -0.46 min
 Lab File: VX003823.D
 Acq: 02 Aug 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 CAP-2

Tot Ion: 59 Resp: 499
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#



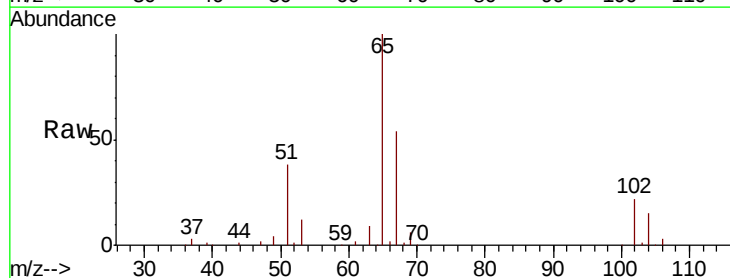
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0



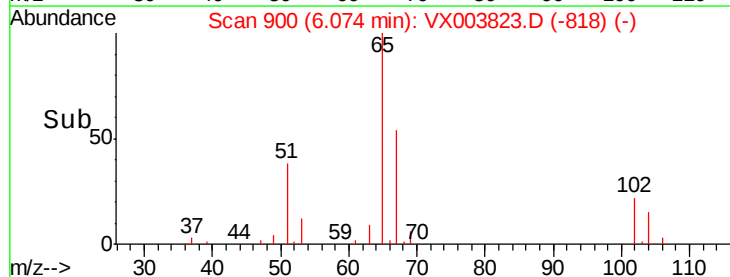
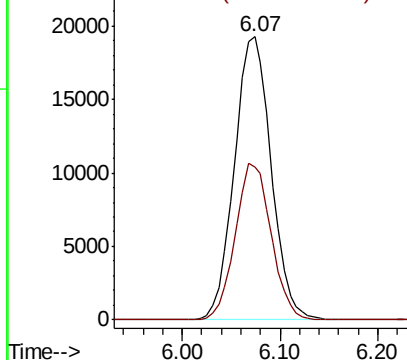
#27

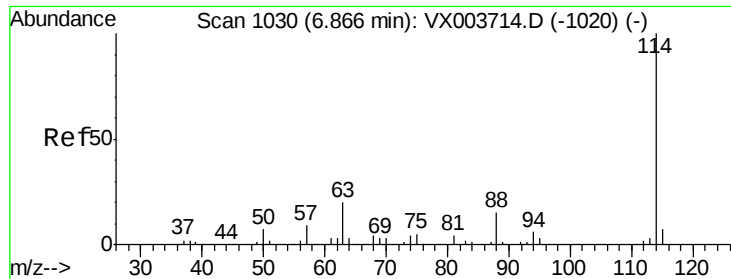
1,2-Dichloroethane-d4
 Concen: 28.37 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003823.D
 Acq: 02 Aug 2018 14:17

Tgt Ion: 65 Resp: 50306
 Ion Ratio Lower Upper
 65 100
 67 53.9 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0
 Ion 67.00 (66.70 to 67.70): VX0

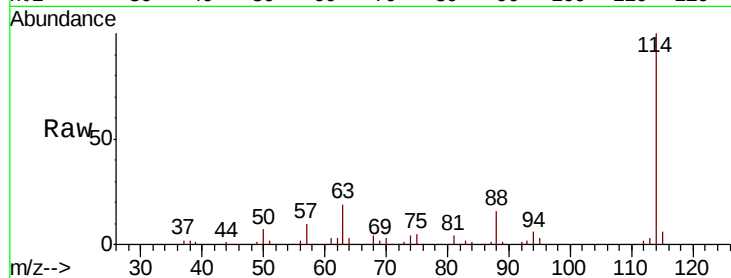




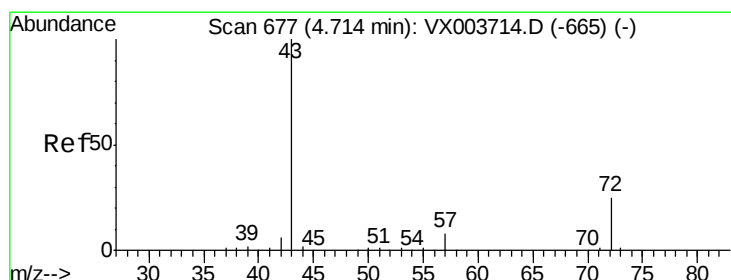
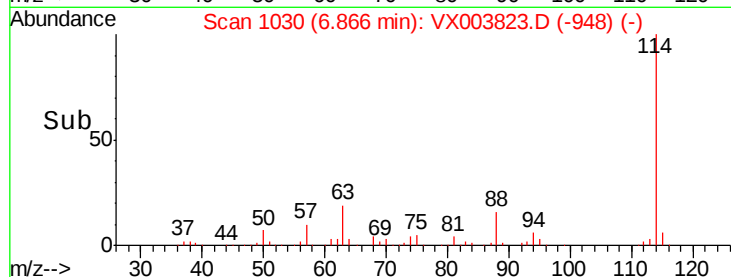
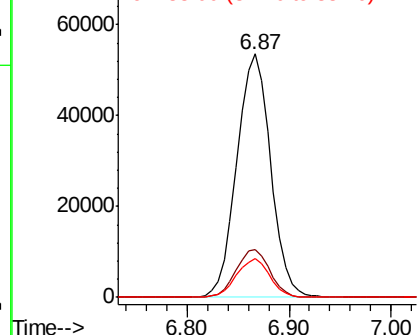
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003823.D
 Acq: 02 Aug 2018 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 CAP-2

Tot Ion:114 Resp: 123424
 Ion Ratio Lower Upper
 114 100
 63 19.8 17.1 25.7
 88 15.6 12.6 19.0

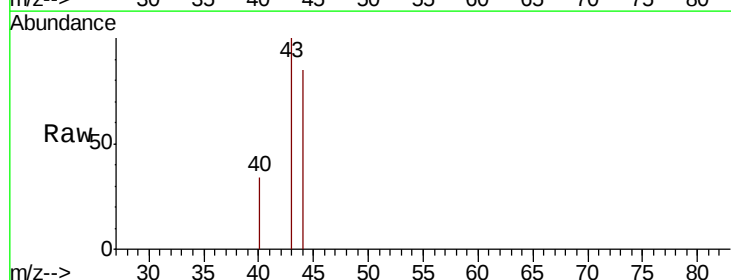


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

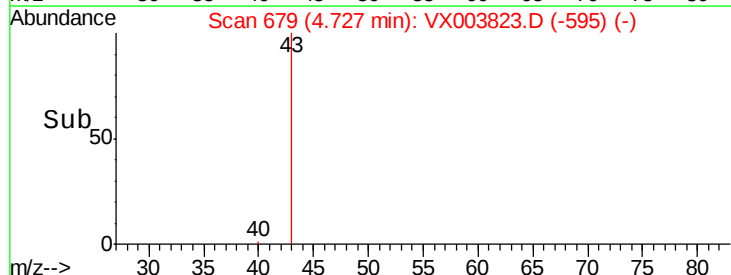
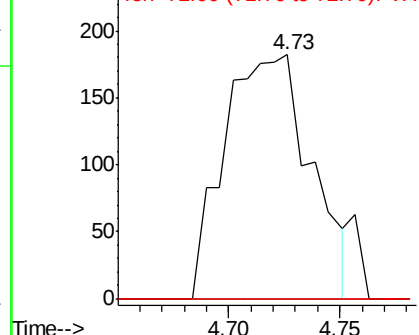


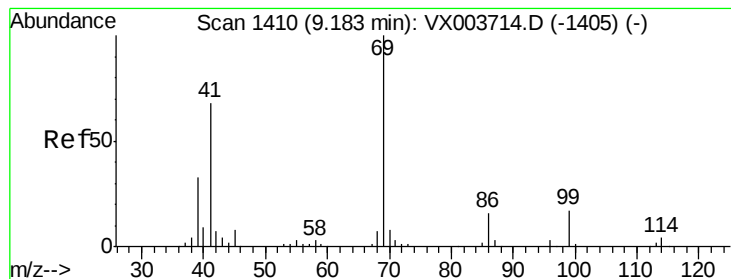
#30
 2-Butanone
 Concen: 0.42 ug/l
 RT: 4.73 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VX003823.D
 Acq: 02 Aug 2018 14:17

Tgt Ion: 43 Resp: 492
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.1 9.1#
 72 0.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0





#51

Ethyl methacrylate

Concen: 0.22 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.46 min

Lab File: VX003823.D

Acq: 02 Aug 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

CAP-2

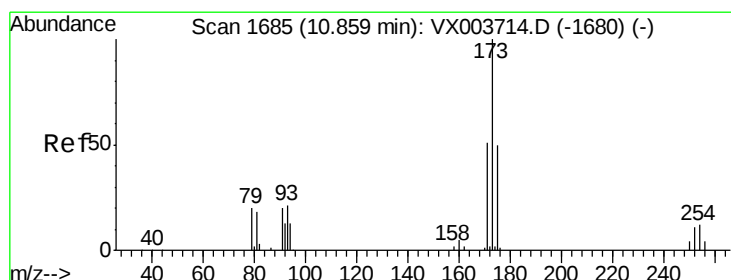
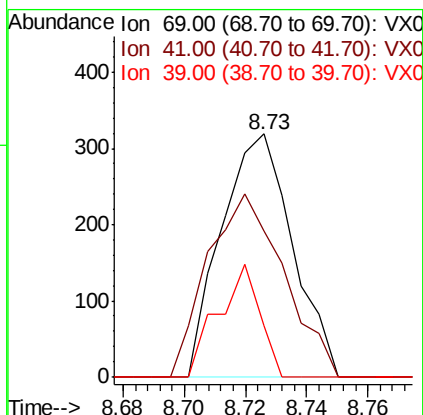
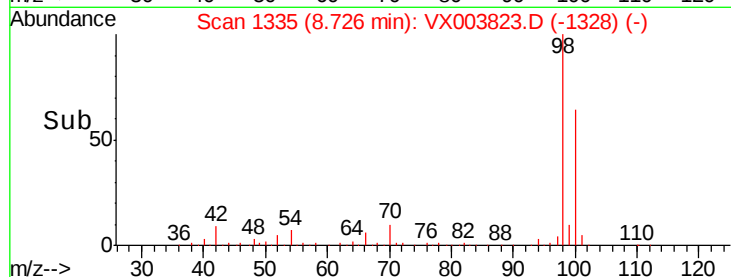
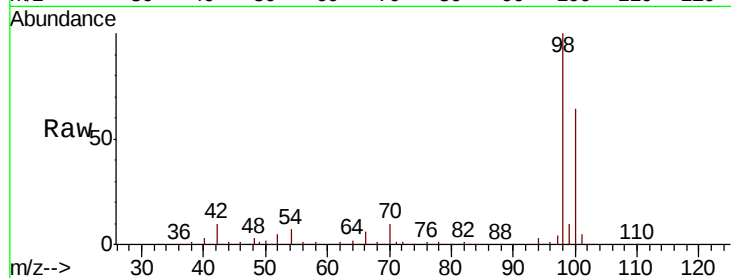
Tot Ion: 69 Resp: 513

Ion Ratio Lower Upper

69 100

41 59.9 39.1 117.3

39 21.0 21.7 65.1#



#56

Bromoform

Concen: 0.40 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.29 min

Lab File: VX003823.D

Acq: 02 Aug 2018 14:17

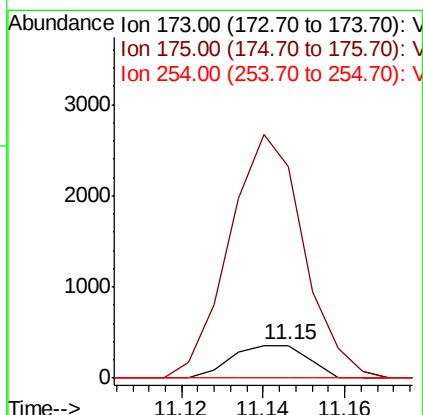
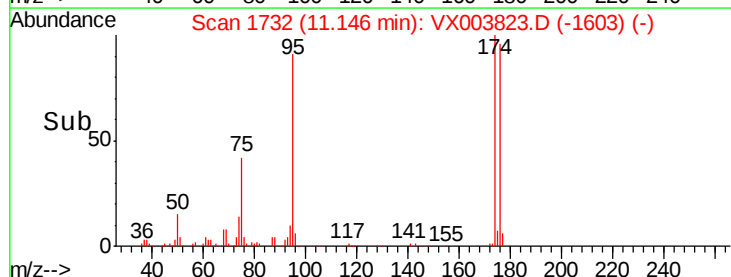
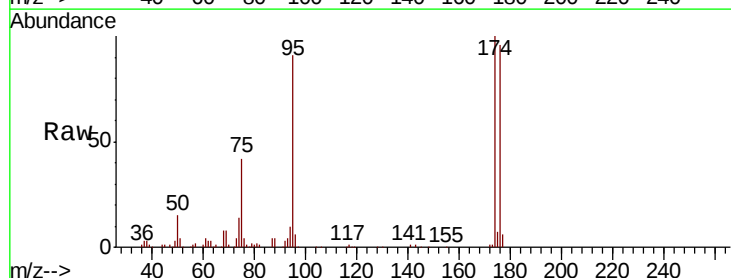
Tgt Ion: 173 Resp: 466

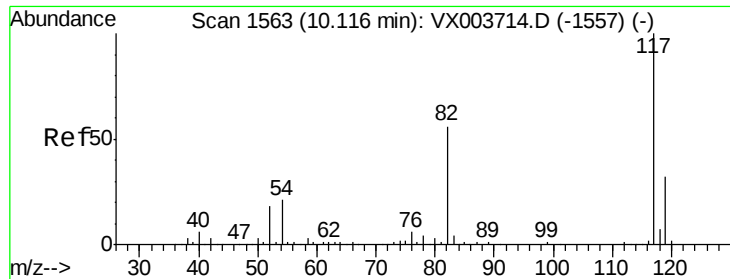
Ion Ratio Lower Upper

173 100

175 728.5 39.0 58.4#

254 0.0 9.6 14.4#

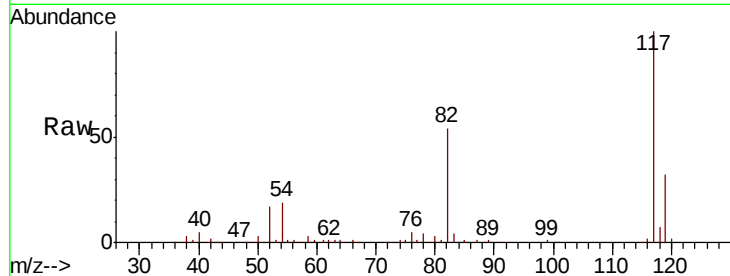




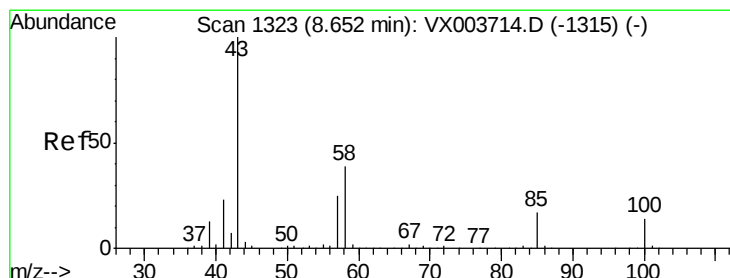
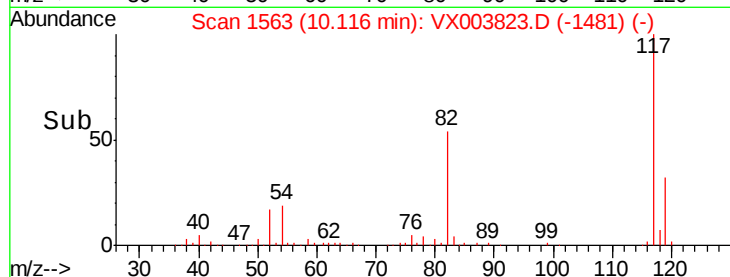
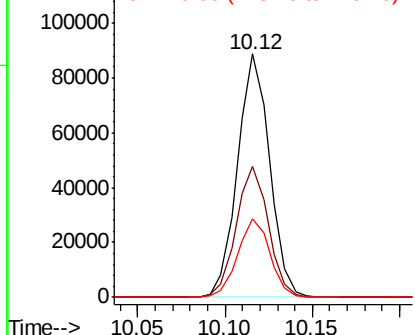
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003823.D
Acq: 02 Aug 2018 14:17

Instrument :
MSVOA_X
ClientSampled :
CAP-2

Tot Ion:117 Resp: 113608
Ion Ratio Lower Upper
117 100
82 53.8 44.3 66.5
119 32.5 25.7 38.5

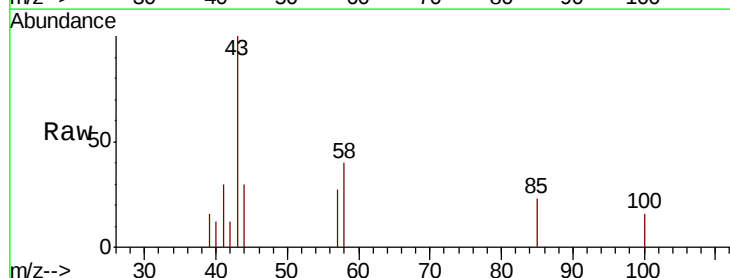


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

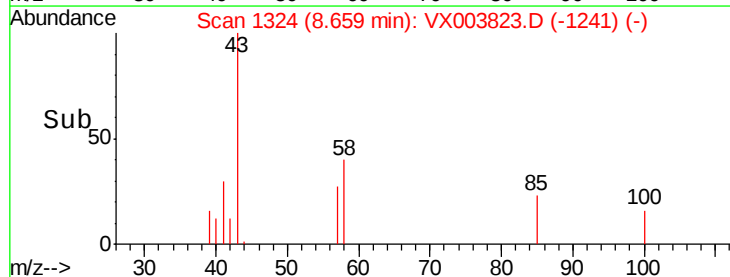
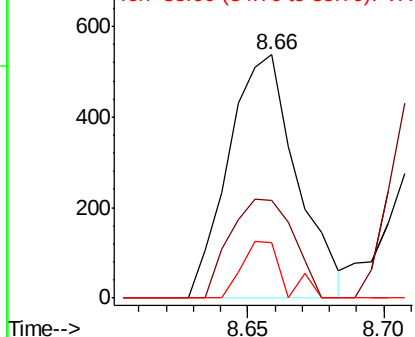


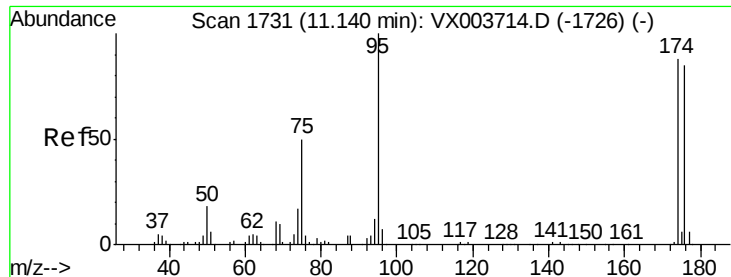
#58
4-Methyl-2-Pentanone
Concen: 0.44 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX003823.D
Acq: 02 Aug 2018 14:17

Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
58 38.0 28.2 42.4
85 12.0 12.4 18.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0





#60

4-Bromofluorobenzene

Concen: 26.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003823.D

Acq: 02 Aug 2018 14:17

Instrument :

MSVOA_X

ClientSampled :

CAP-2

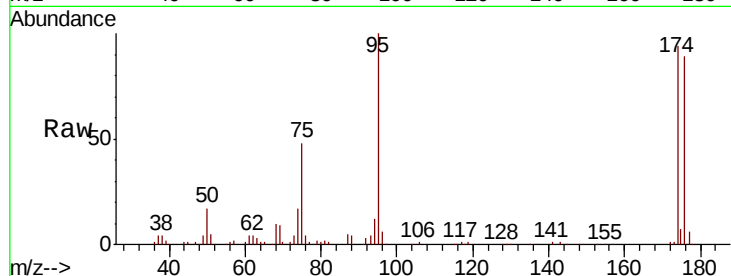
Tot Ion: 95 Resp: 48271

Ion Ratio Lower Upper

95 100

174 94.4 71.8 107.6

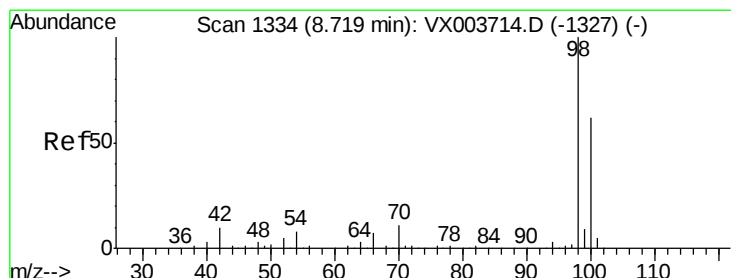
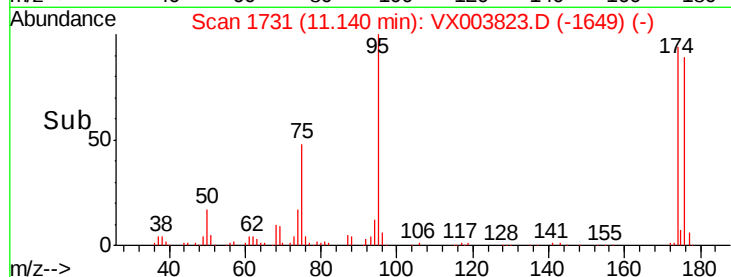
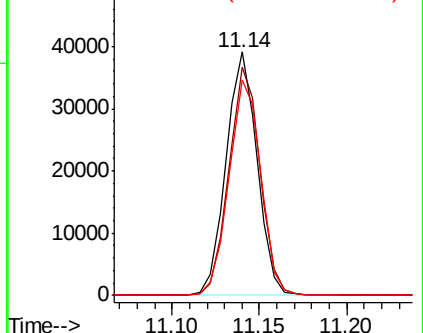
176 90.6 70.1 105.1



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 28.97 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003823.D

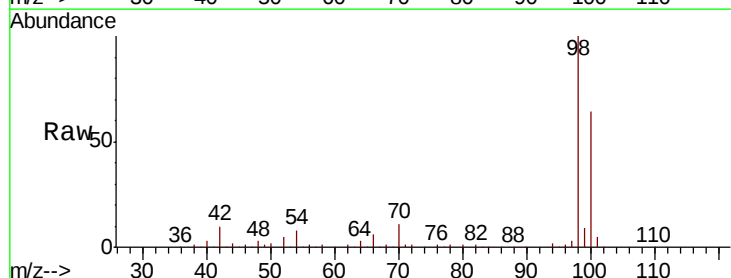
Acq: 02 Aug 2018 14:17

Tgt Ion: 98 Resp: 148274

Ion Ratio Lower Upper

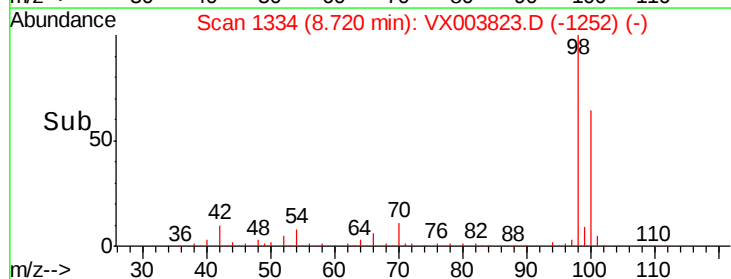
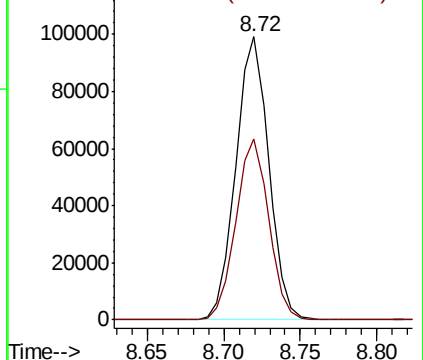
98 100

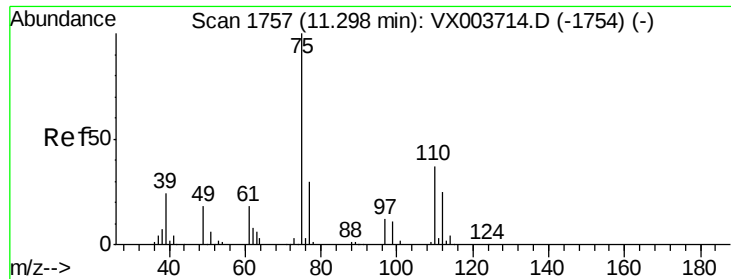
100 63.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#72

1,2,3-Trichloropropane

Concen: 11.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003823.D

Acq: 02 Aug 2018 14:17

Instrument :

MSVOA_X

ClientSampleId :

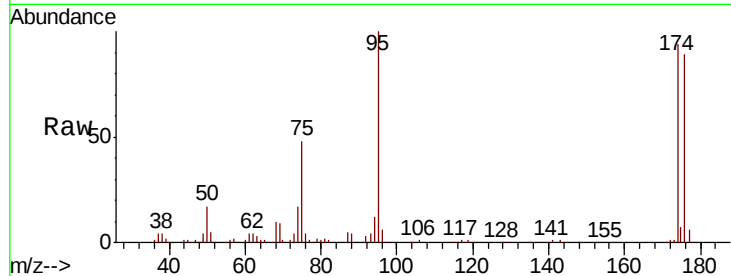
CAP-2

Tot Ion: 75 Resp: 23035

Ion Ratio Lower Upper

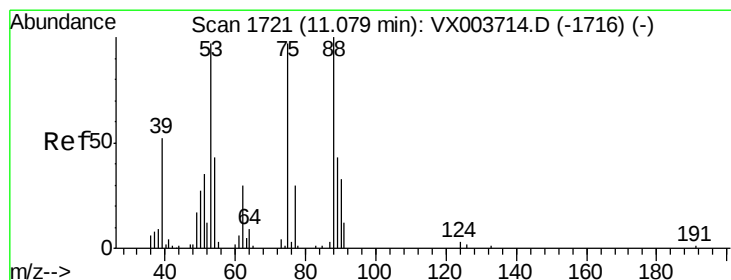
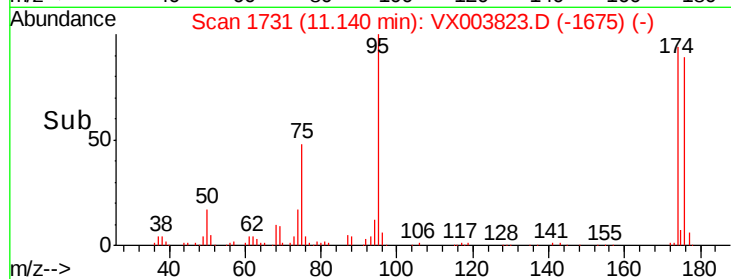
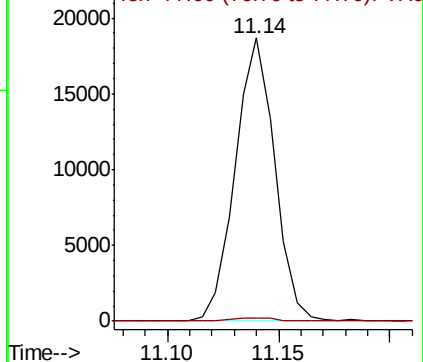
75 100

77 1.2 0.0 71.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

t-1,4-Dichloro-2-butene

Concen: 34.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003823.D

Acq: 02 Aug 2018 14:17

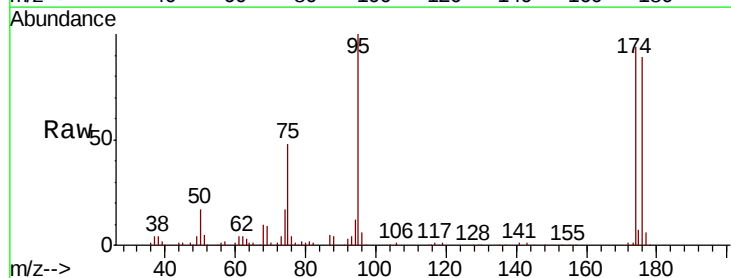
Tgt Ion: 75 Resp: 23035

Ion Ratio Lower Upper

75 100

53 0.0 48.3 144.9#

89 0.0 21.8 65.4#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

