

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004320.D
 Acq On : 30 Aug 2018 14:02
 Operator : JC/MD
 Sample : J4621-06
 Misc : 7.12g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-2

Quant Time: Aug 30 15:20:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	234562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	373340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	170002	55.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.22%	
35) Dibromofluoromethane	5.50	113	143459	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	8.71	98	541712	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.14	95	208586	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	

Target Compounds

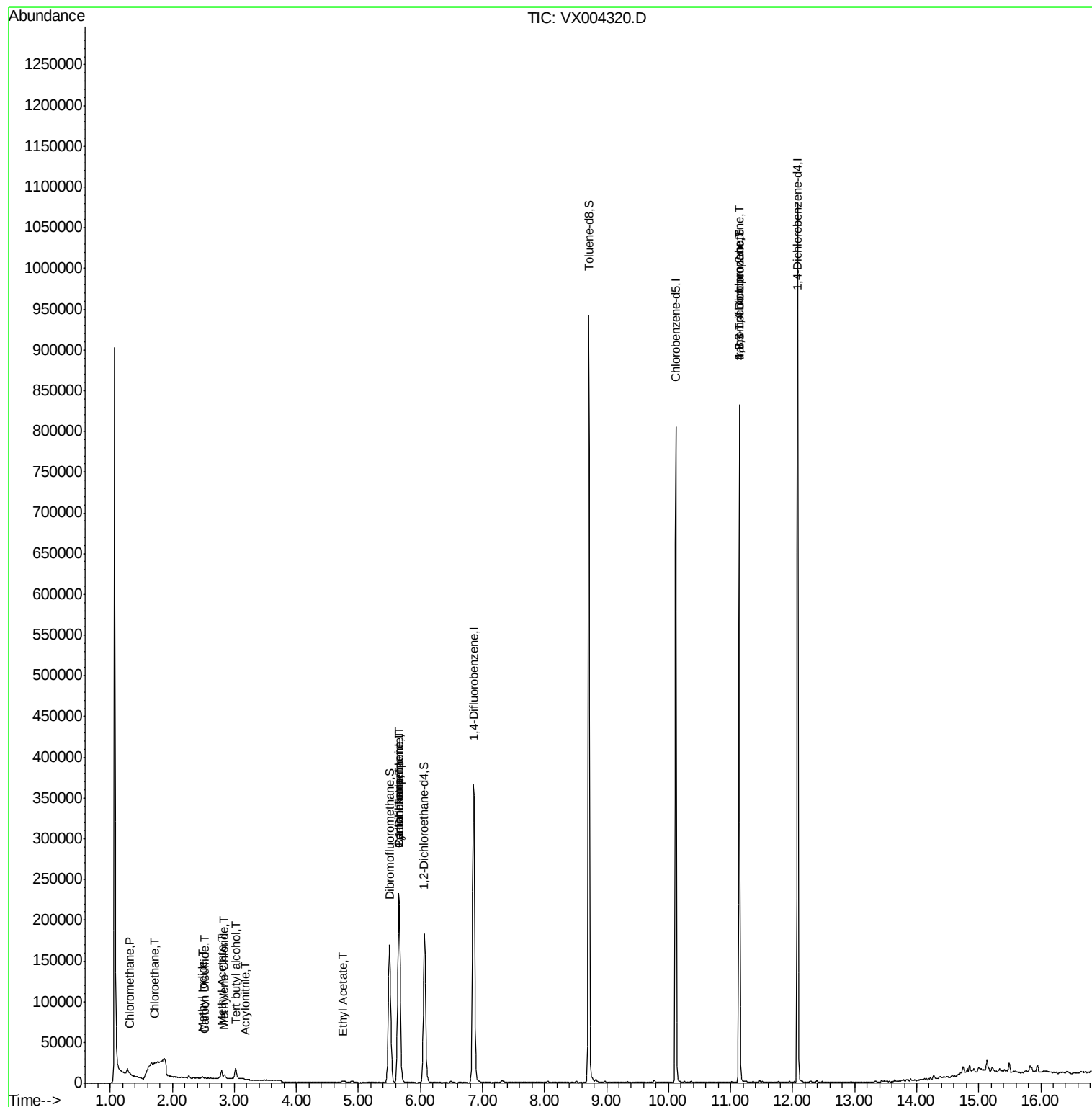
						Qvalue
3) Chloromethane	1.32	50	1177	0.68	ug/l	96
5) Bromomethane	1.63	94	1596	Below	Cal	89
6) Chloroethane	1.70	64	56	0.99	ug/l #	62
10) Methyl Iodide	2.48	142	1157	4.62	ug/l	99
11) Tert butyl alcohol	3.02	59	9302	14.27	ug/l #	77
15) Acrylonitrile	3.17	53	477	0.30	ug/l #	58
16) Acetone	2.43	43	73	Below	Cal #	42
17) Carbon Disulfide	2.53	76	1135	0.96	ug/l #	83
18) Methyl Acetate	2.79	43	12688	2.80	ug/l	97
20) Methylene Chloride	2.84	84	2033	0.69	ug/l #	76
25) 2-Butanone	4.75	43	4070	Below	Cal	99
31) Cyclohexane	5.65	56	4402	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16168	3.85	ug/l #	49
37) Ethyl Acetate	4.75	43	4070	0.99	ug/l #	67
38) Carbon Tetrachloride	5.65	117	20998	5.32	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	98540	21.39	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	98540	69.39	ug/l #	10
94) Hexachlorobutadiene	13.78	225	207	Below	Cal	82

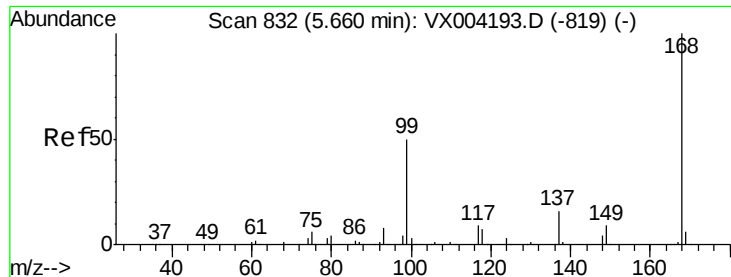
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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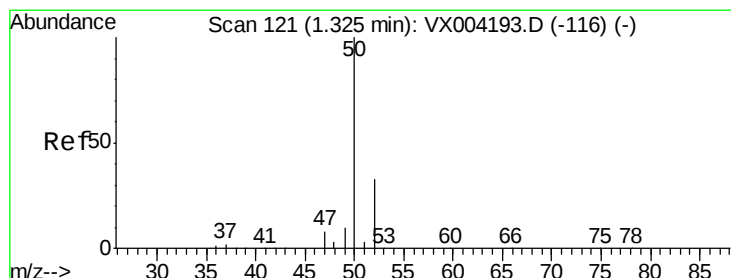
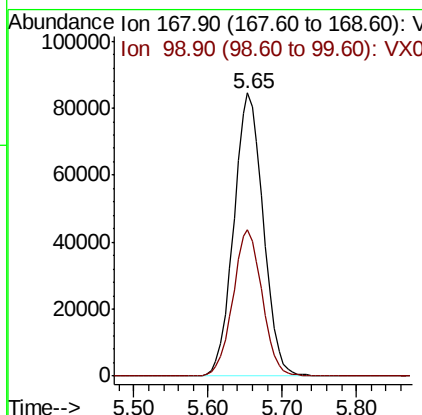
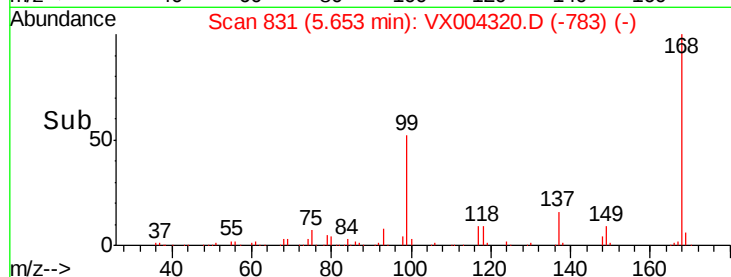
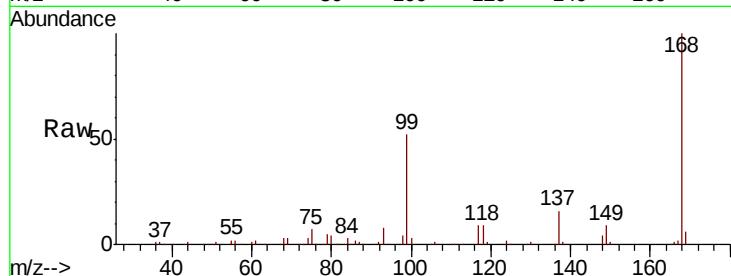




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.65 min Scan# 831
Delta R.T. -0.01 min
Lab File: VX004320.D
Acq: 30 Aug 2018 14:02

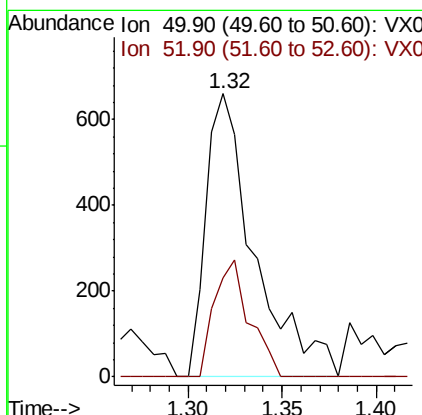
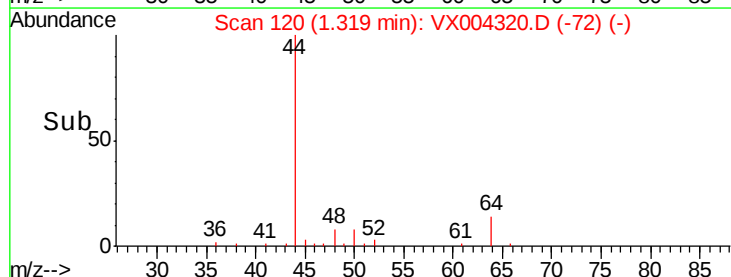
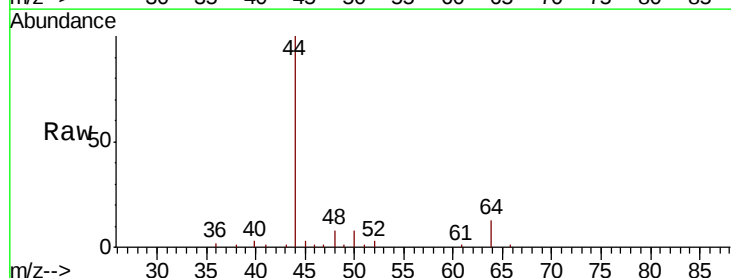
Instrument :
MSVOA_X
ClientSampleID :
SP-2

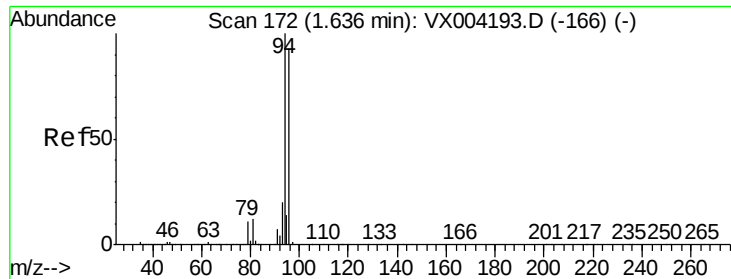
Tot Ion:168 Resp: 234562
Ion Ratio Lower Upper
168 100
99 51.6 39.9 59.9



#3
Chloromethane
Concen: 0.68 ug/l
RT: 1.32 min Scan# 120
Delta R.T. -0.01 min
Lab File: VX004320.D
Acq: 30 Aug 2018 14:02

Tgt Ion: 50 Resp: 1177
Ion Ratio Lower Upper
50 100
52 34.8 26.2 39.2





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 171

Delta R.T. -0.01 min

Lab File: VX004320.D

Acq: 30 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampled :

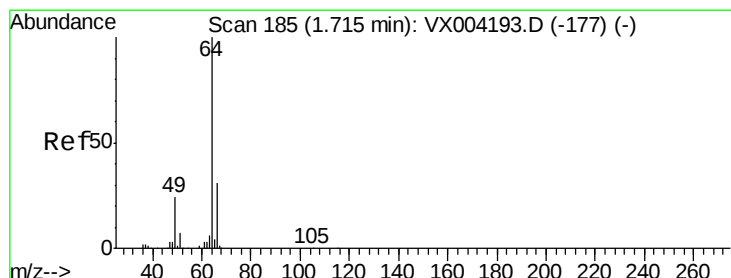
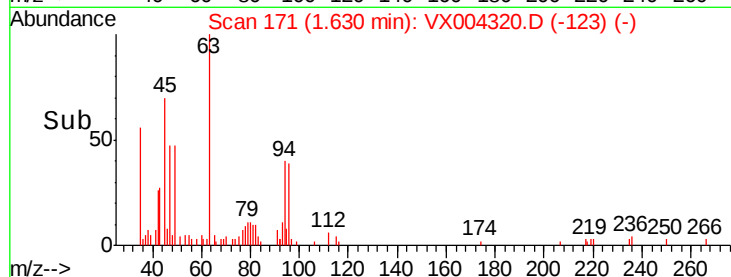
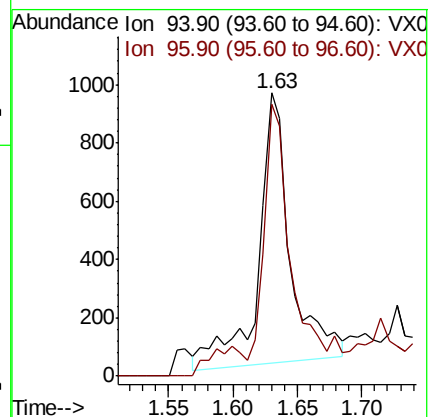
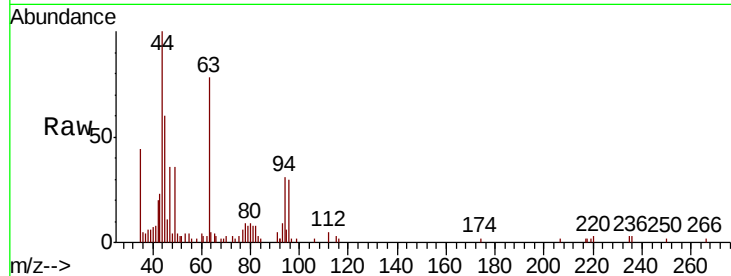
SP-2

Tot Ion: 94 Resp: 1596

Ion Ratio Lower Upper

94 100

96 103.2 74.5 111.7



#6

Chloroethane

Concen: 0.99 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX004320.D

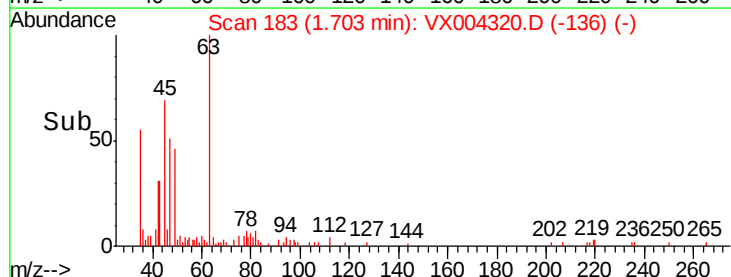
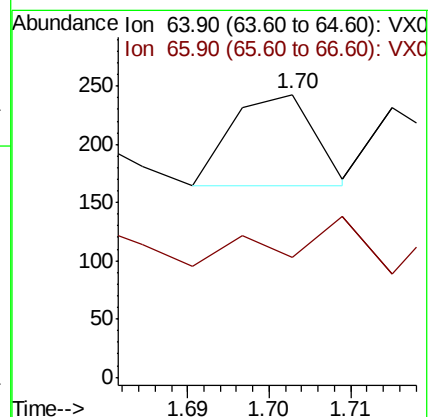
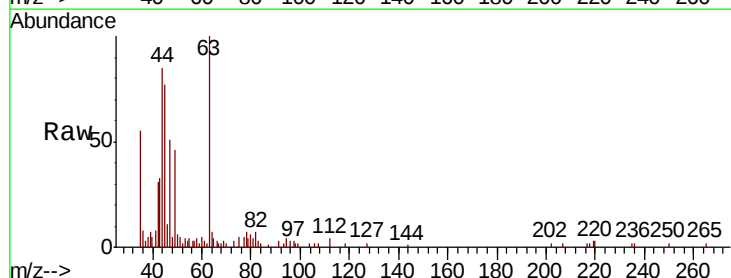
Acq: 30 Aug 2018 14:02

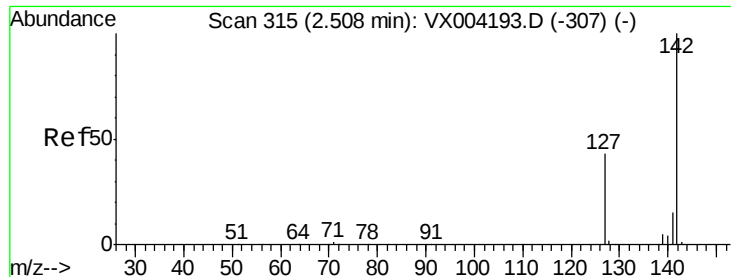
Tgt Ion: 64 Resp: 56

Ion Ratio Lower Upper

64 100

66 10.1 24.6 36.8#

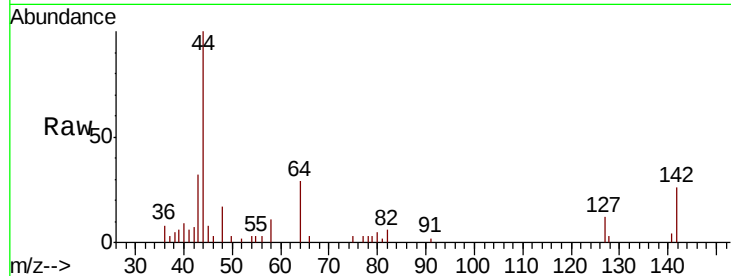




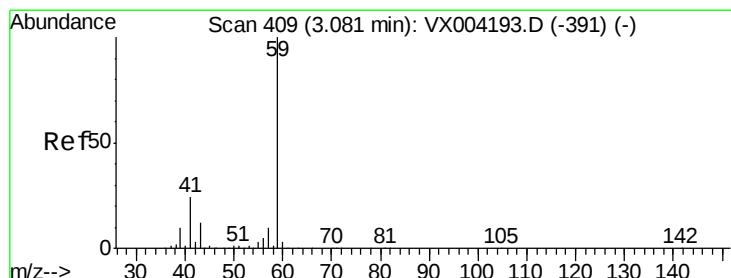
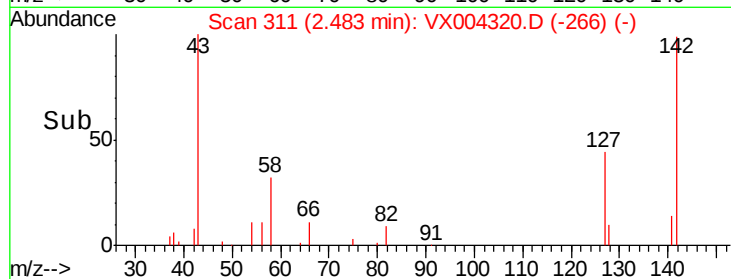
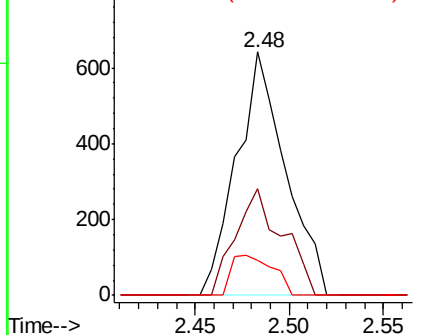
#10
Methvl Iodide
Concen: 4.62 ug/l
RT: 2.48 min Scan# 311
Delta R.T. -0.02 min
Lab File: VX004320.D
Acq: 30 Aug 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
SP-2

Tot Ion:142 Resp: 1157
Ion Ratio Lower Upper
142 100
127 41.9 33.8 50.6
141 13.9 11.4 17.0

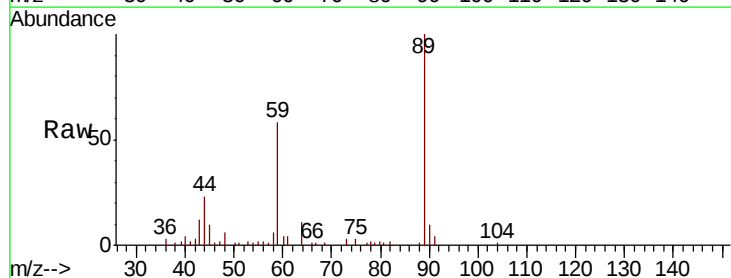


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

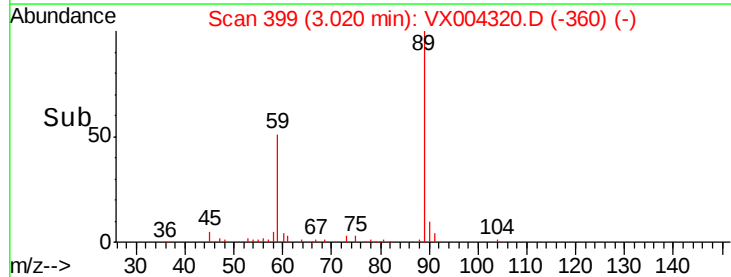
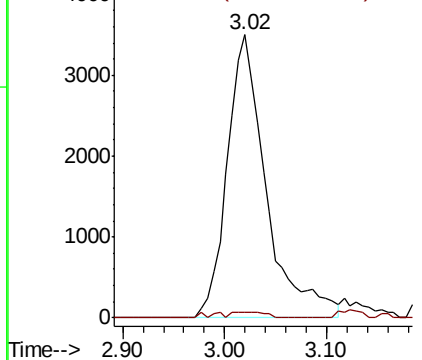


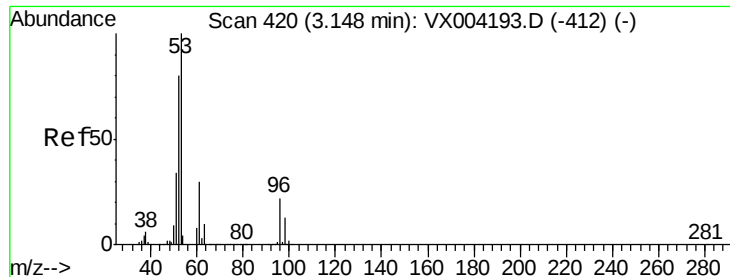
#11
Tert butyl alcohol
Concen: 14.27 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX004320.D
Acq: 30 Aug 2018 14:02

Tgt Ion: 59 Resp: 9302
Ion Ratio Lower Upper
59 100
57 1.8 8.2 12.4#



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

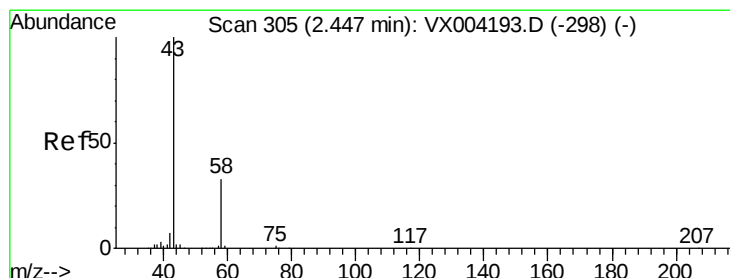
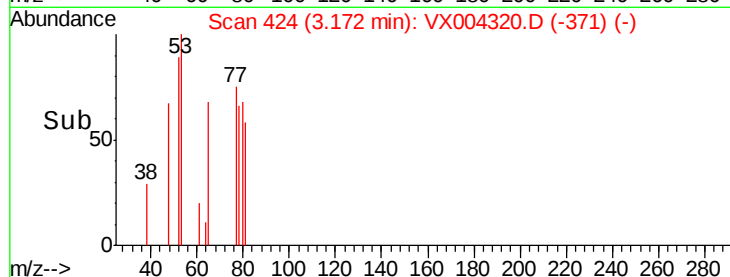
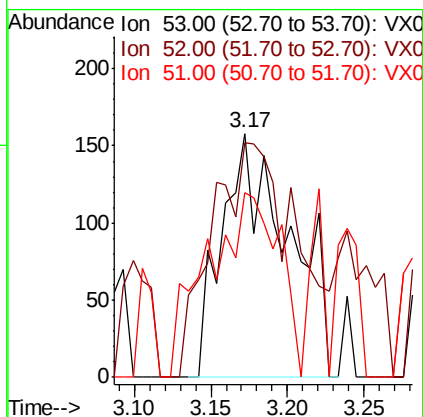
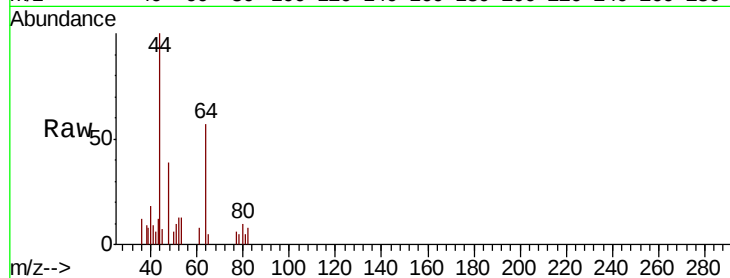




#15
 Acrylonitrile
 Concen: 0.30 ug/l
 RT: 3.17 min Scan# 424
 Delta R.T. 0.02 min
 Lab File: VX004320.D
 Acq: 30 Aug 2018 14:02

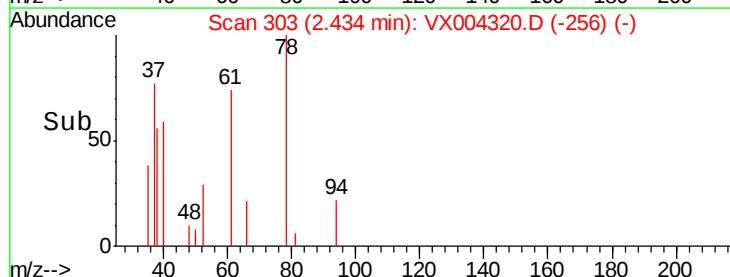
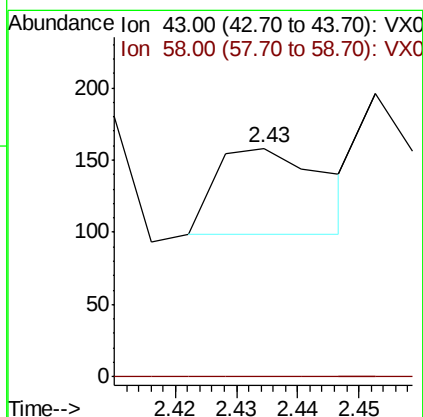
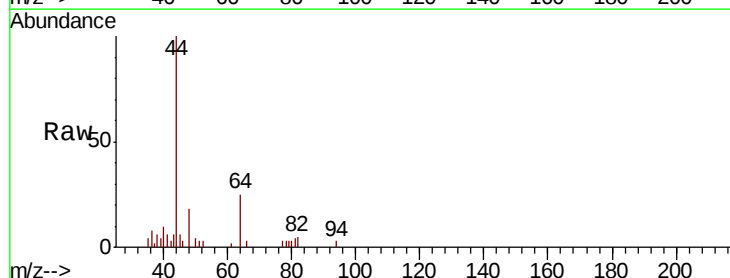
Instrument :
 MSVOA_X
 ClientSampled :
 SP-2

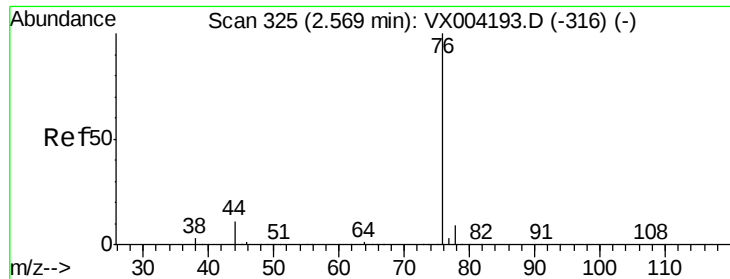
Tot Ion: 53 Resp: 477
 Ion Ratio Lower Upper
 53 100
 52 121.2 65.2 97.8#
 51 56.8 28.2 42.2#



#16
 Acetone
 Concen: Below Cal
 RT: 2.43 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VX004320.D
 Acq: 30 Aug 2018 14:02

Tgt Ion: 43 Resp: 73
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#





#17

Carbon Disulfide

Concen: 0.96 ug/l

RT: 2.53 min Scan# 319

Delta R.T. -0.04 min

Lab File: VX004320.D

Acq: 30 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

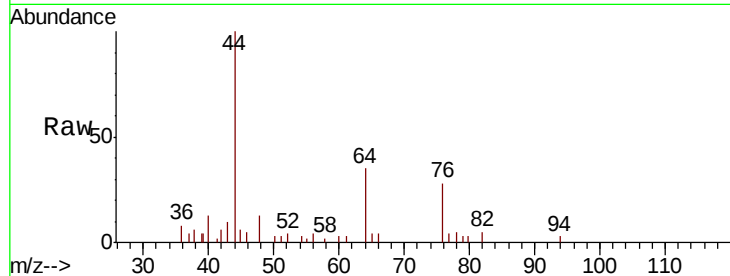
SP-2

Tot Ion: 76 Resp: 1135

Ion Ratio Lower Upper

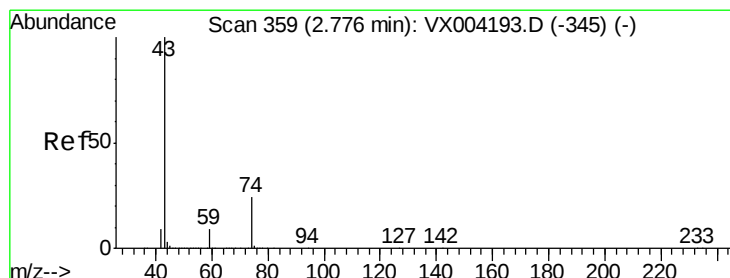
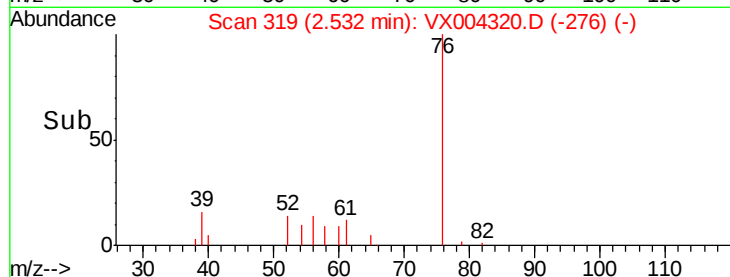
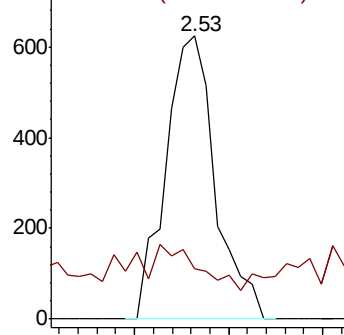
76 100

78 2.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 2.80 ug/l

RT: 2.79 min Scan# 362

Delta R.T. 0.02 min

Lab File: VX004320.D

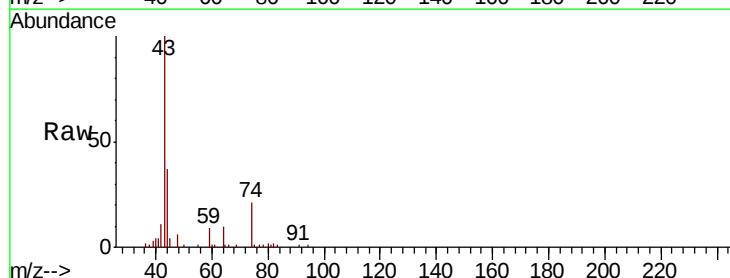
Acq: 30 Aug 2018 14:02

Tgt Ion: 43 Resp: 12688

Ion Ratio Lower Upper

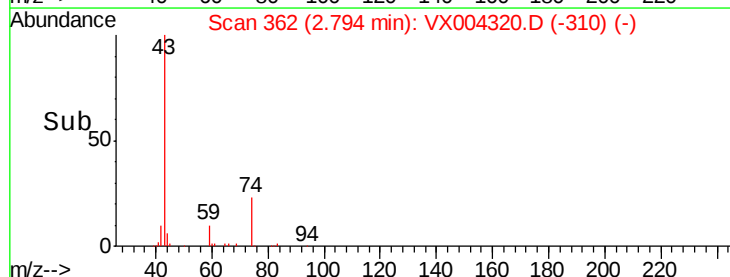
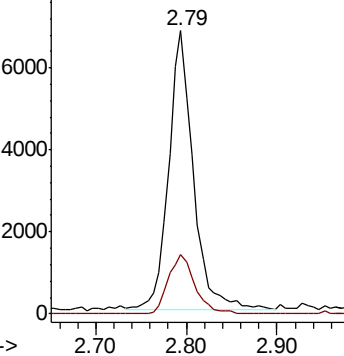
43 100

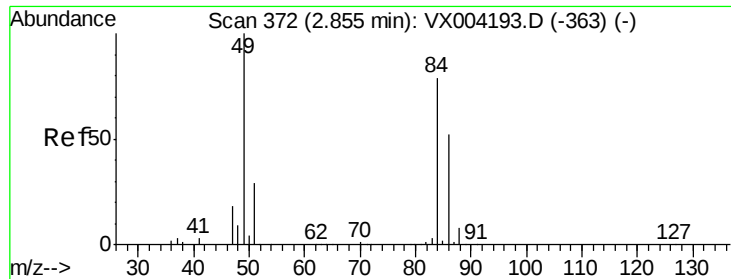
74 23.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 0.69 ug/l

RT: 2.84 min Scan# 370

Delta R.T. -0.01 min

Lab File: VX004320.D

Acq: 30 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

SP-2

Tot Ion: 84 Resp: 2033

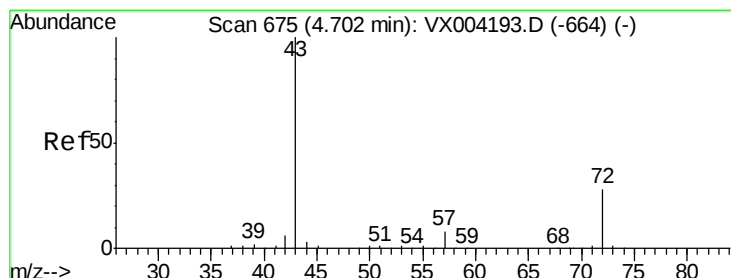
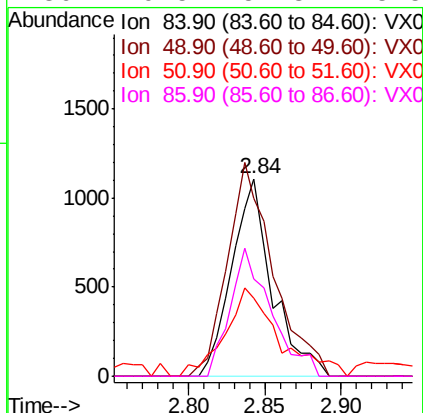
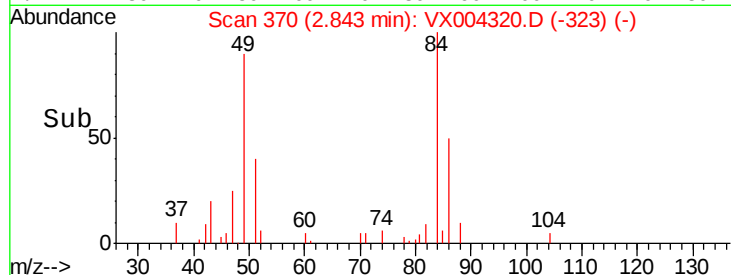
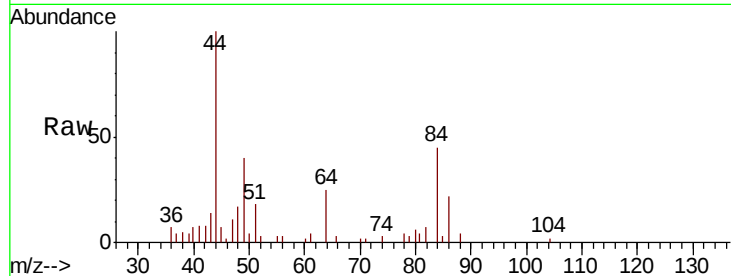
Ion Ratio Lower Upper

84 100

49 90.3 101.2 151.8#

51 33.9 29.5 44.3

86 49.5 52.3 78.5#



#25

2-Butanone

Concen: Below Cal

RT: 4.75 min Scan# 683

Delta R.T. 0.05 min

Lab File: VX004320.D

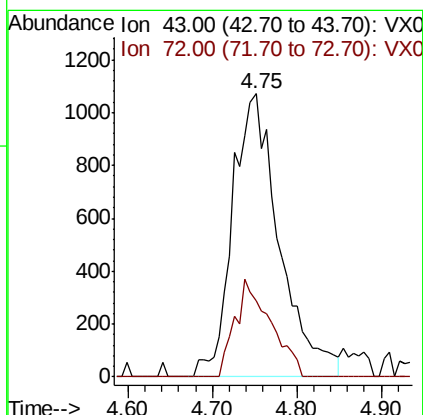
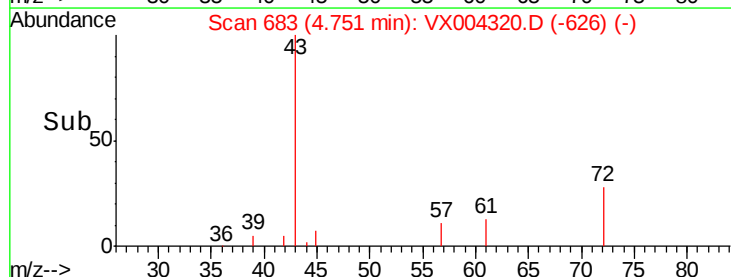
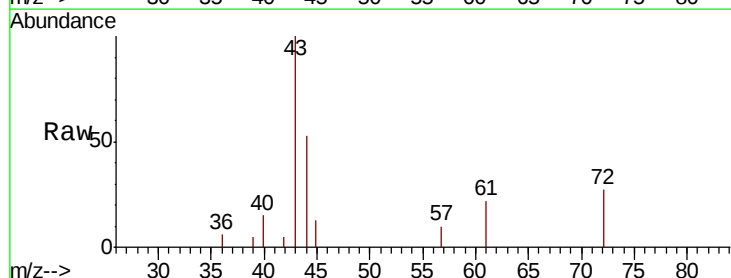
Acq: 30 Aug 2018 14:02

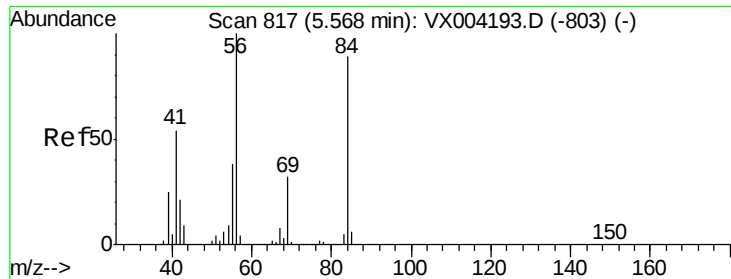
Tgt Ion: 43 Resp: 4070

Ion Ratio Lower Upper

43 100

72 27.0 22.0 33.0

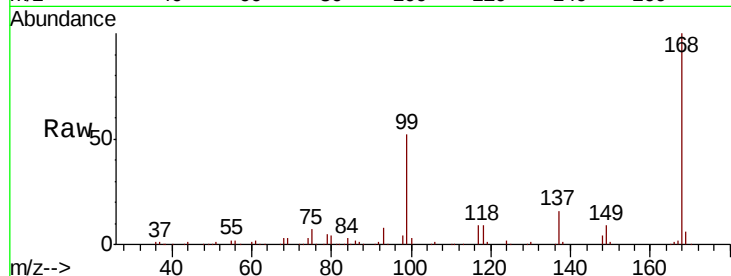




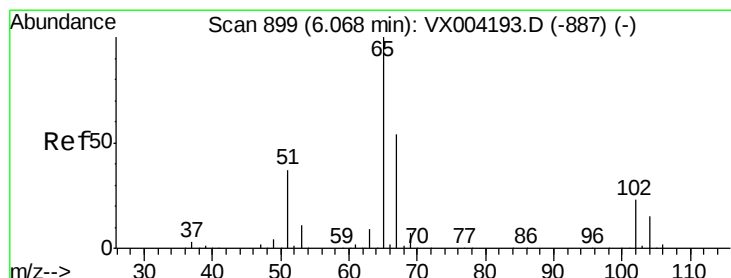
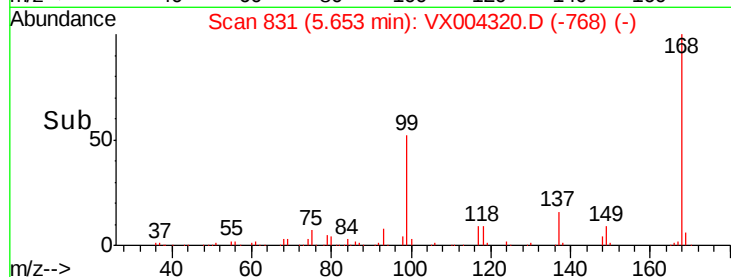
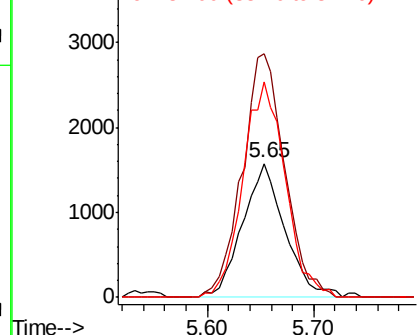
#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.65 min Scan# 831
Delta R.T. 0.09 min
Lab File: VX004320.D
Acq: 30 Aug 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
SP-2

Tot Ion: 56 Resp: 4402
Ion Ratio Lower Upper
56 100
69 182.0 25.4 38.2#
84 161.1 71.4 107.2#

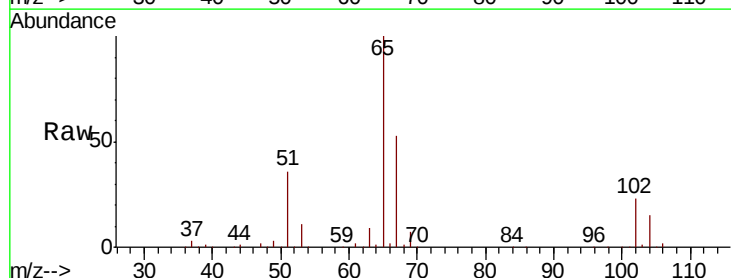


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

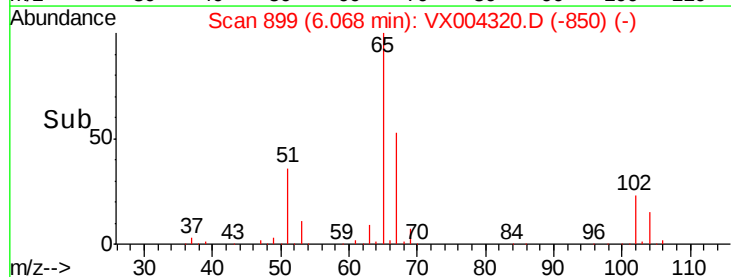
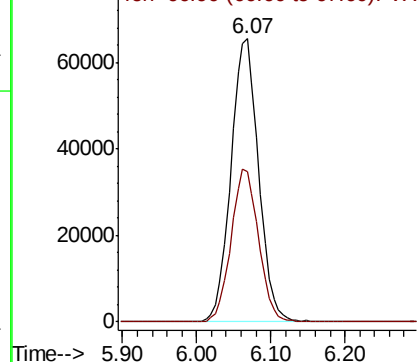


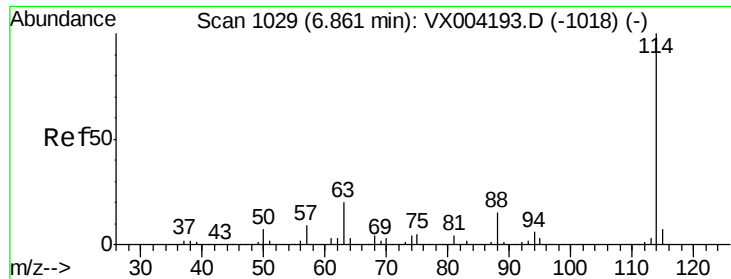
#33
1,2-Dichloroethane-d4
Concen: 55.61 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004320.D
Acq: 30 Aug 2018 14:02

Tgt Ion: 65 Resp: 170002
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8



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

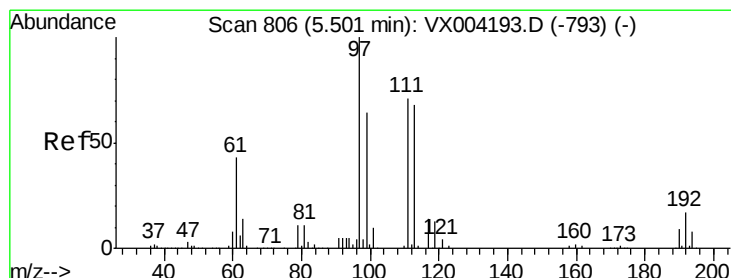
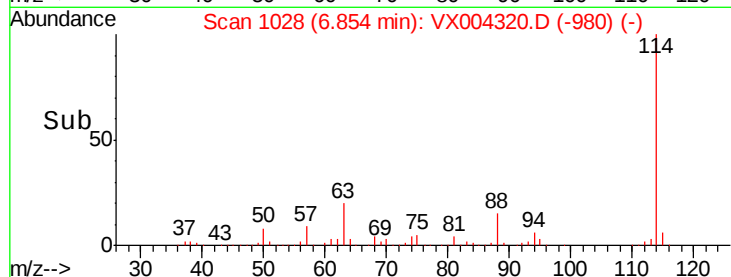
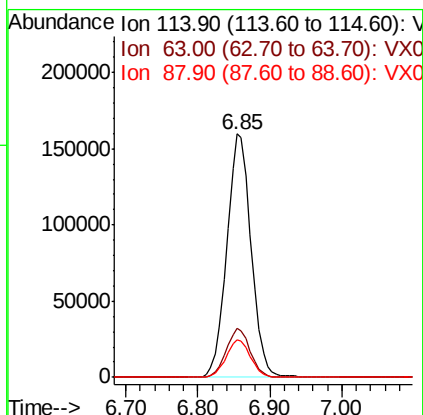
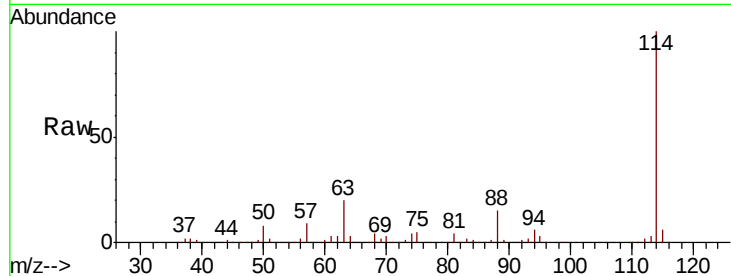




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.85 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: VX004320.D
 Acq: 30 Aug 2018 14:02

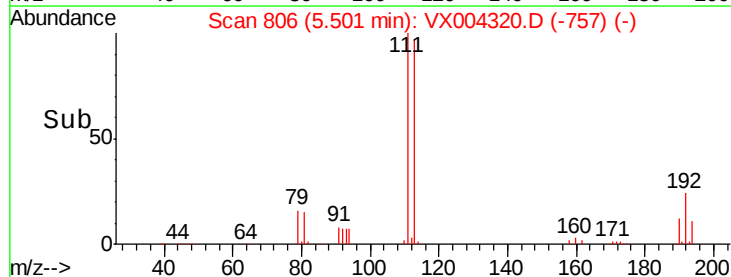
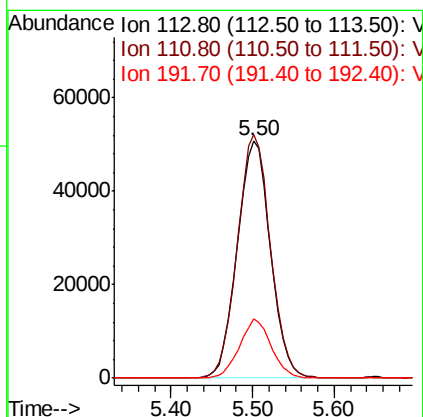
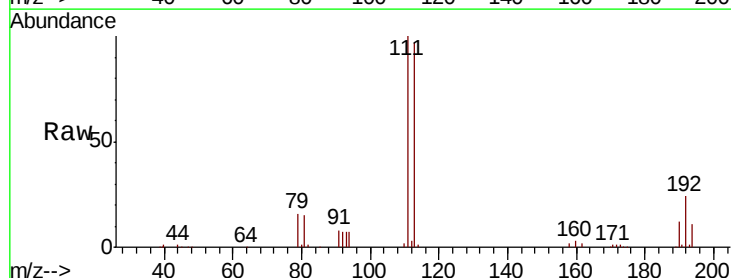
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-2

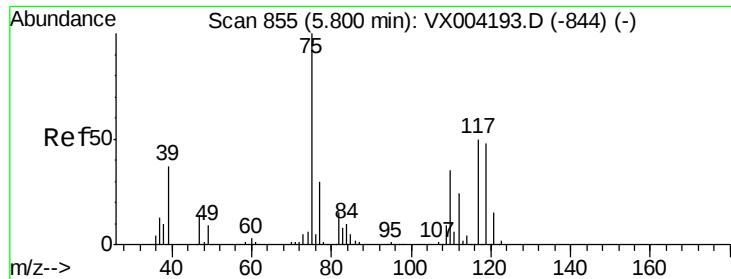
Tot Ion:114 Resp: 373340
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.4 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 51.65 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004320.D
 Acq: 30 Aug 2018 14:02

Tgt Ion:113 Resp: 143459
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 23.8 19.4 29.2





#36

1,1-Dichloropropene

Concen: 3.85 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.15 min

Lab File: VX004320.D

Acq: 30 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

SP-2

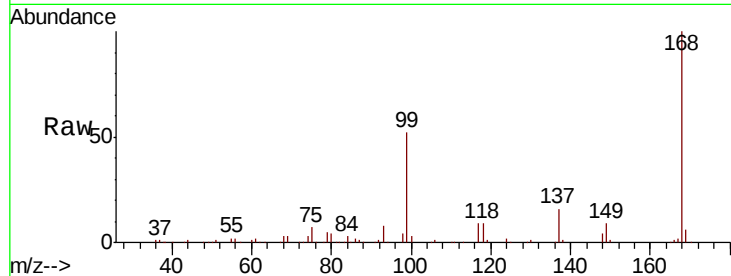
Tot Ion: 75 Resp: 16168

Ion Ratio Lower Upper

75 100

110 8.1 18.0 54.0#

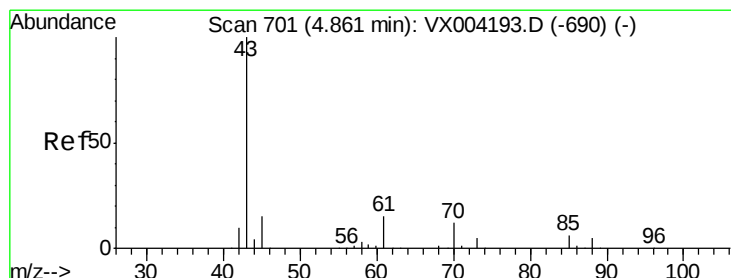
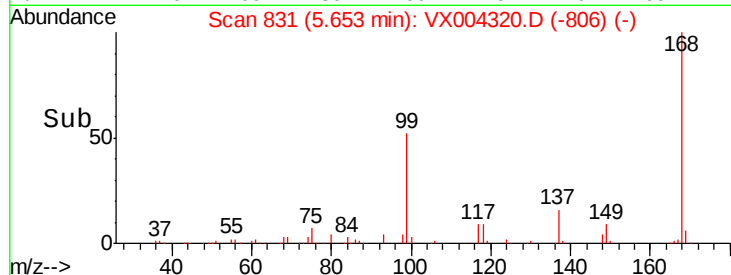
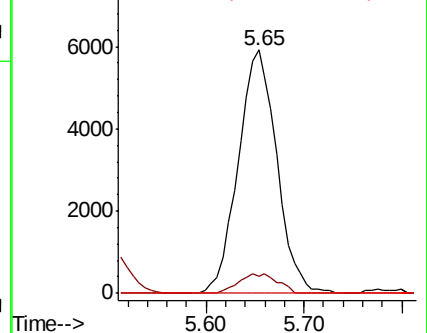
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.99 ug/l

RT: 4.75 min Scan# 683

Delta R.T. -0.11 min

Lab File: VX004320.D

Acq: 30 Aug 2018 14:02

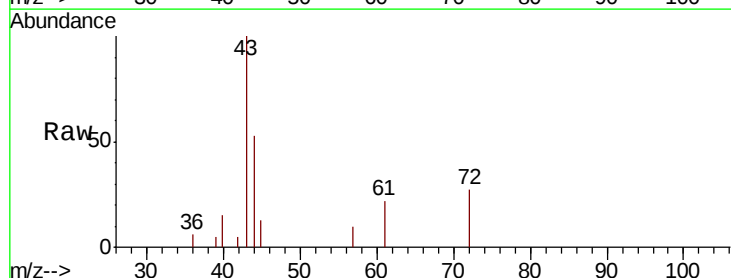
Tgt Ion: 43 Resp: 4070

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

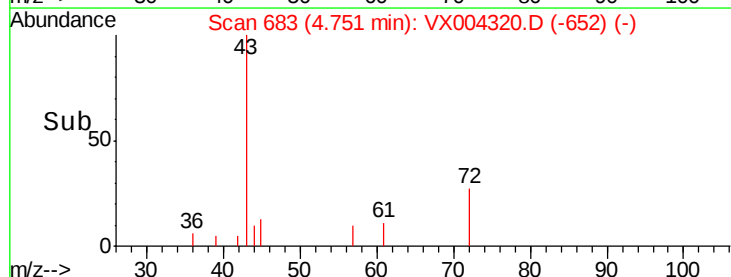
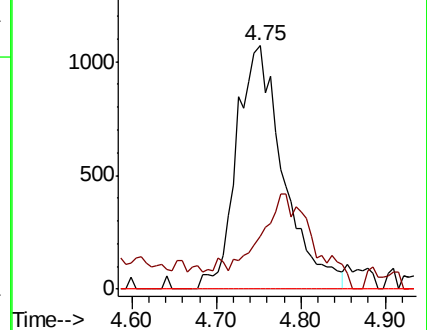
70 0.0 9.0 13.6#

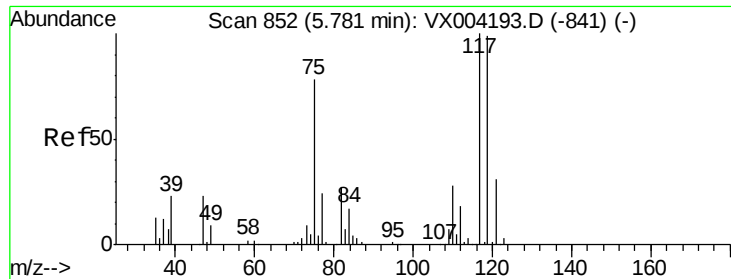


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

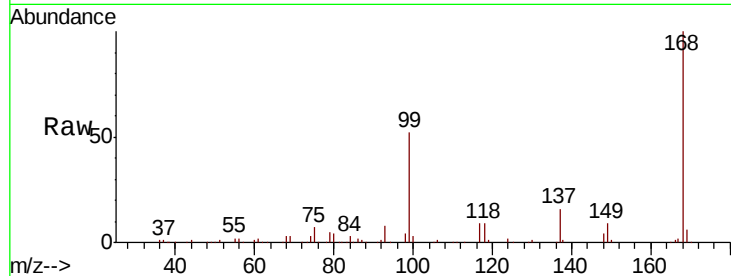




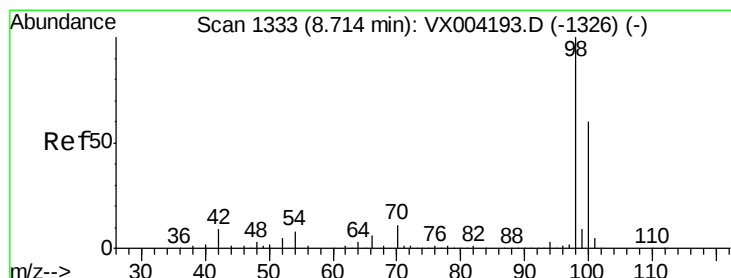
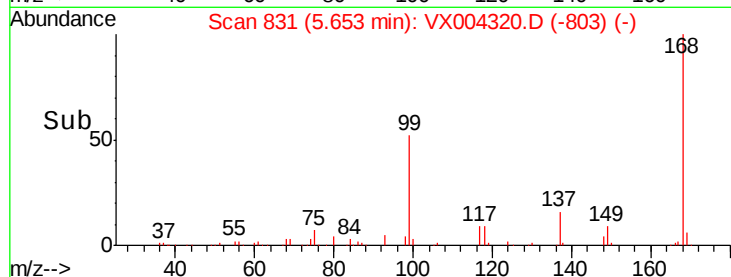
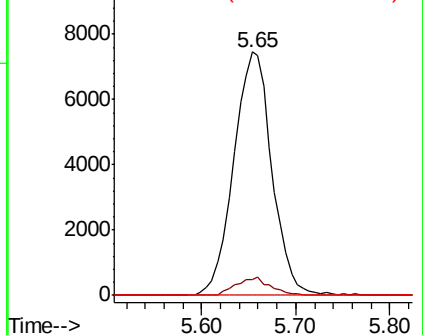
#38
Carbon Tetrachloride
Concen: 5.32 ug/l
RT: 5.65 min Scan# 831
Delta R.T. -0.13 min
Lab File: VX004320.D
Acq: 30 Aug 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
SP-2

Tot Ion:117 Resp: 20998
Ion Ratio Lower Upper
117 100
119 6.5 78.8 118.2#
121 0.0 24.9 37.3#

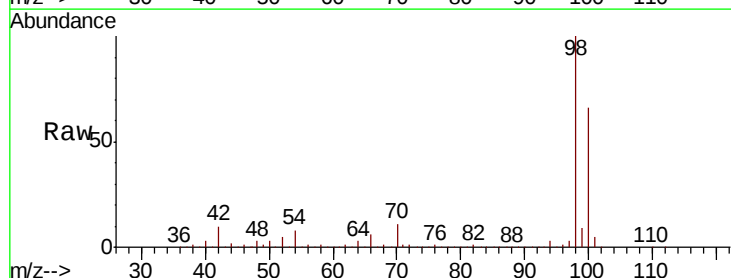


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

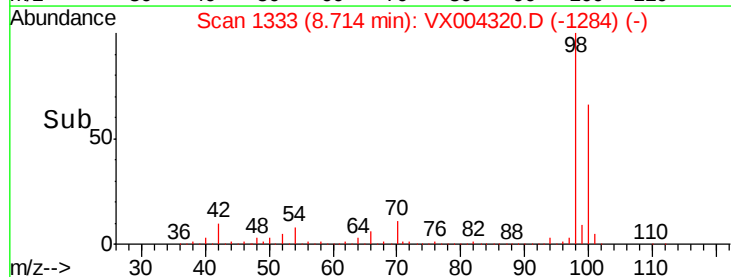
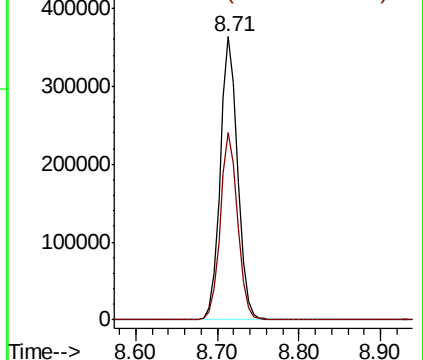


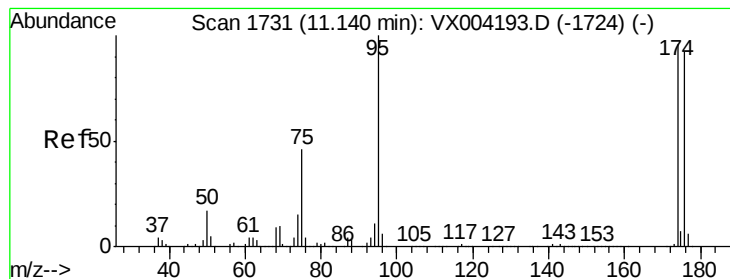
#50
Toluene-d8
Concen: 51.67 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004320.D
Acq: 30 Aug 2018 14:02

Tgt Ion: 98 Resp: 541712
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



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





#62

4-Bromofluorobenzene

Concen: 53.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004320.D

Acq: 30 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

SP-2

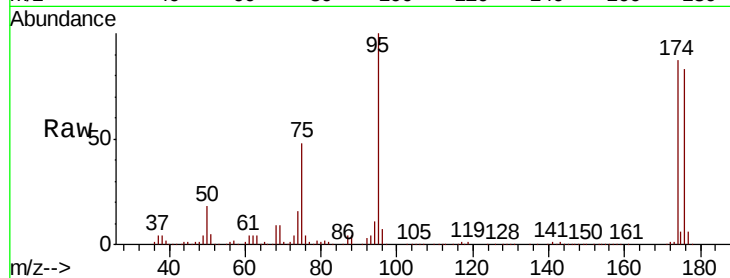
Tot Ion: 95 Resp: 208586

Ion Ratio Lower Upper

95 100

174 90.7 0.0 185.2

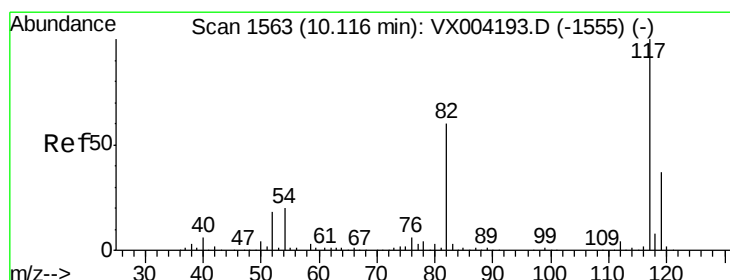
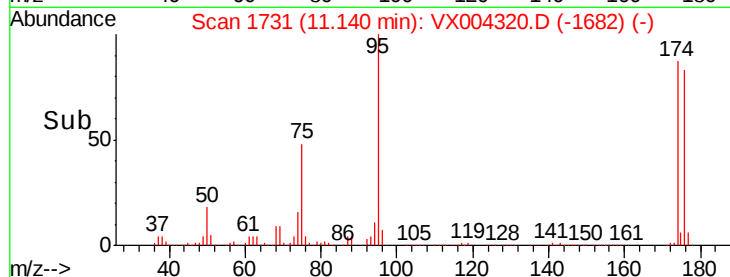
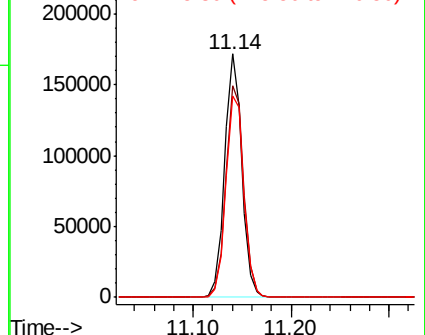
176 87.0 0.0 178.6



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: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004320.D

Acq: 30 Aug 2018 14:02

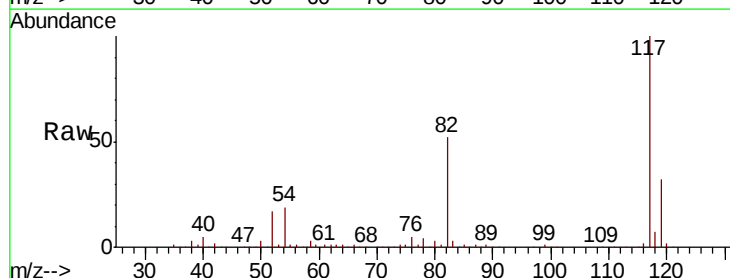
Tgt Ion: 117 Resp: 366094

Ion Ratio Lower Upper

117 100

82 52.2 47.8 71.6

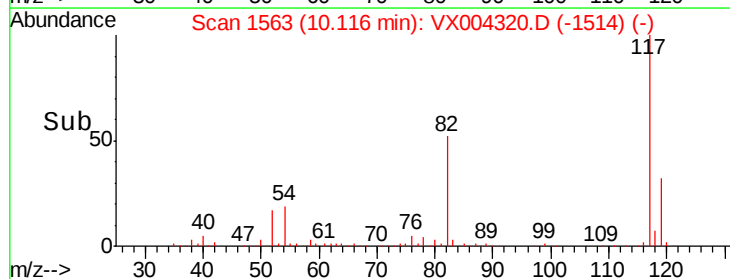
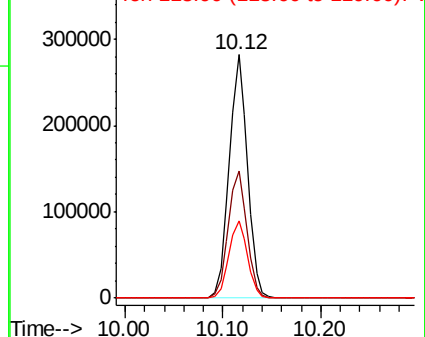
119 31.9 29.3 43.9

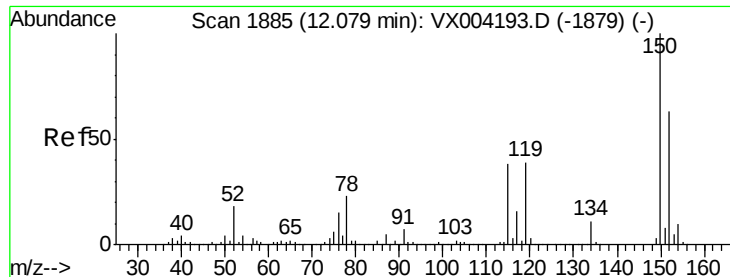


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004320.D

Acq: 30 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

SP-2

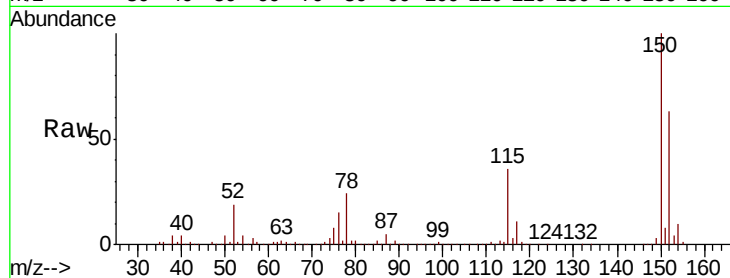
Tot Ion:152 Resp: 226536

Ion Ratio Lower Upper

152 100

115 55.0 39.0 117.0

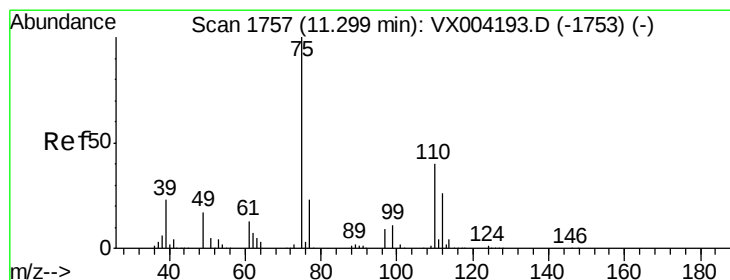
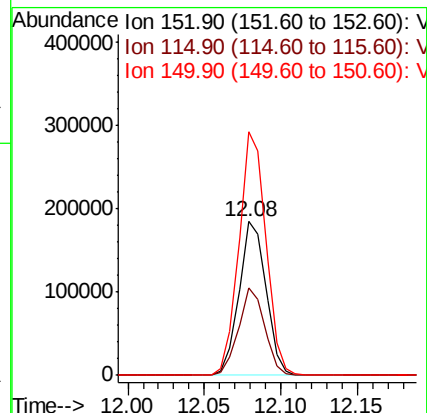
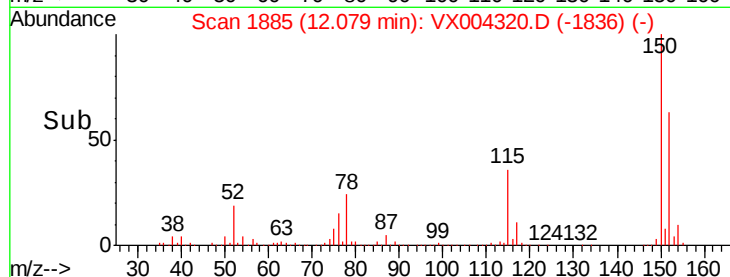
150 158.2 0.0 351.0



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: 21.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004320.D

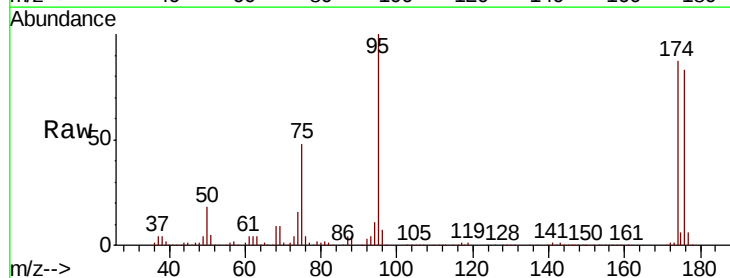
Acq: 30 Aug 2018 14:02

Tgt Ion: 75 Resp: 98540

Ion Ratio Lower Upper

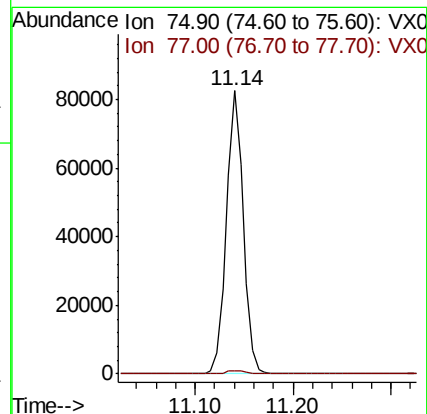
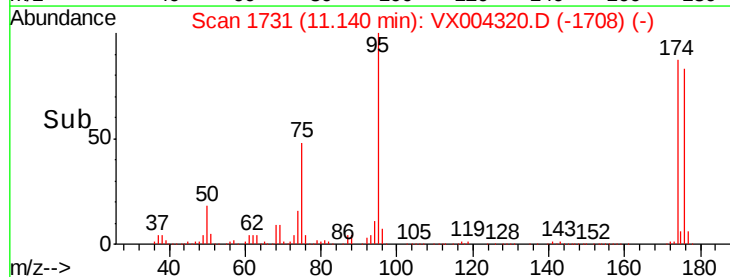
75 100

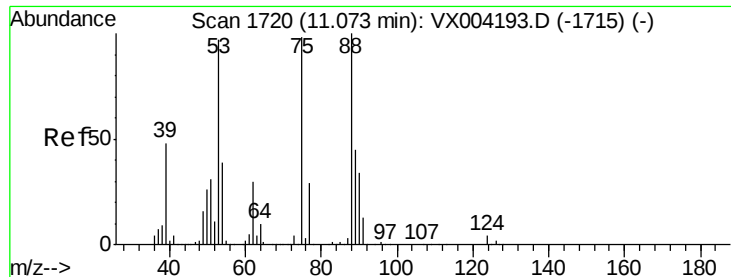
77 1.4 20.2 60.6#



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: 69.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004320.D

Acq: 30 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

SP-2

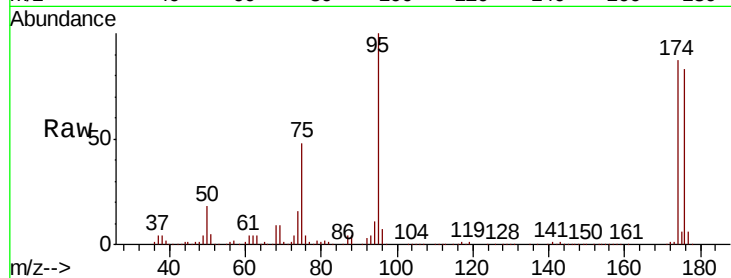
Tot Ion: 75 Resp: 98540

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

