

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004053.D
 Acq On : 15 Aug 2018 03:01
 Operator : JC/MD
 Sample : J4438-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB3-SRI3

Quant Time: Aug 15 09:40:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	429249	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229850	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	200556	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	5.51	113	167055	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	8.72	98	617987	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
62) 4-Bromofluorobenzene	11.14	95	213508	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	

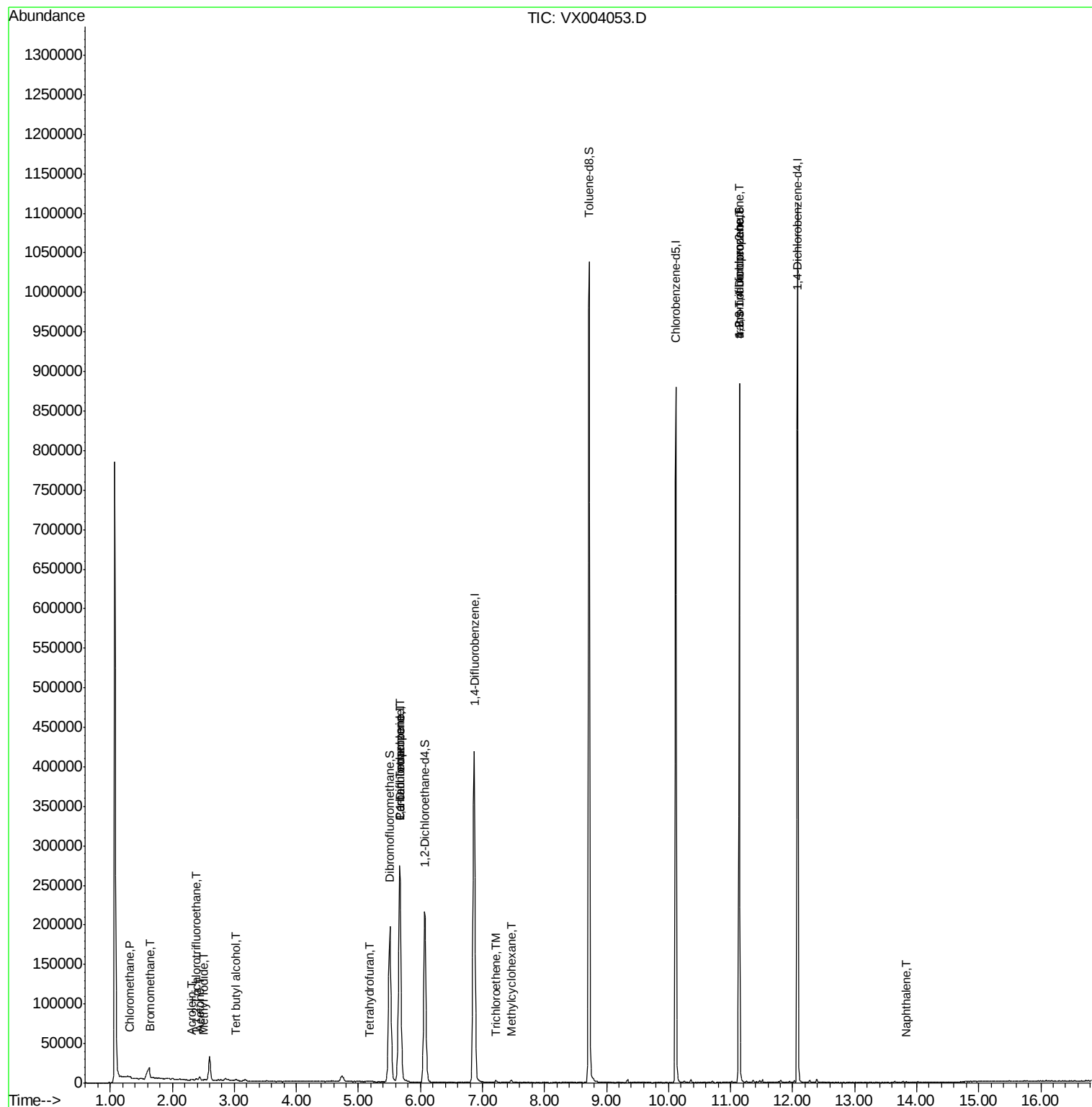
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	761	0.234	ug/l	90
5) Bromomethane	1.65	94	1002	0.384	ug/l	81
6) Chloroethane	1.68	64	967	Below Cal	#	50
9) 1,1,2-Trichlorotrifluoroet	2.39	101	751	0.244	ug/l #	85
10) Methyl Iodide	2.51	142	835	5.238	ug/l #	92
11) Tert butyl alcohol	3.03	59	1271	1.644	ug/l #	73
13) Acrolein	2.30	56	43	11.028	ug/l #	66
16) Acetone	2.44	43	4461	2.234	ug/l	93
20) Methylene Chloride	2.86	84	896	Below Cal	#	83
29) Tetrahydrofuran	5.17	42	623	0.375	ug/l #	84
36) 1,1-Dichloropropene	5.67	75	18952	3.880	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24819	5.230	ug/l #	14
39) Methylcyclohexane	7.46	83	1113	0.201	ug/l	96
44) Trichloroethene	7.22	130	1102	0.277	ug/l	82
76) 1,2,3-Trichloropropane	11.14	75	102883	22.320	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	102883	69.092	ug/l #	9
95) Naphthalene	13.83	128	828	1.195	ug/l #	85

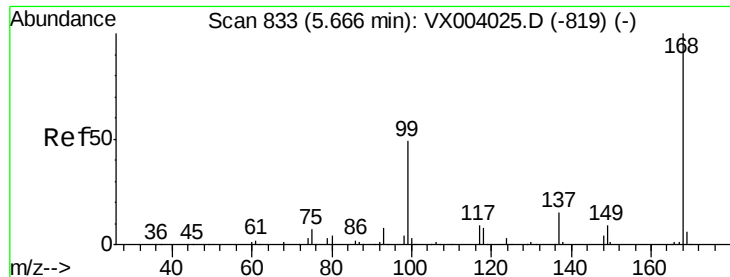
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004053.D

Acq: 15 Aug 2018 03:01

Instrument :

MSVOA_X

ClientSampleId :

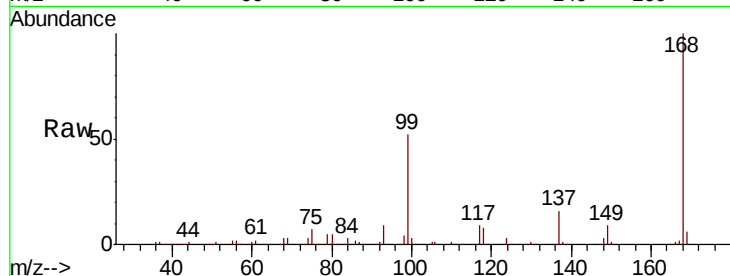
RB3-SRI3

Tgt Ion:168 Resp: 272552

Ion Ratio Lower Upper

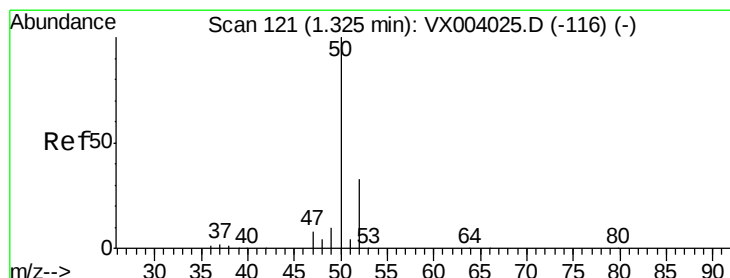
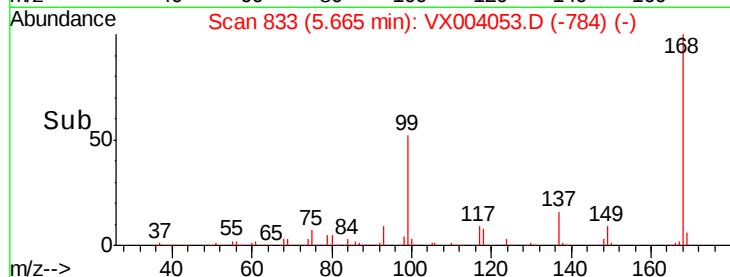
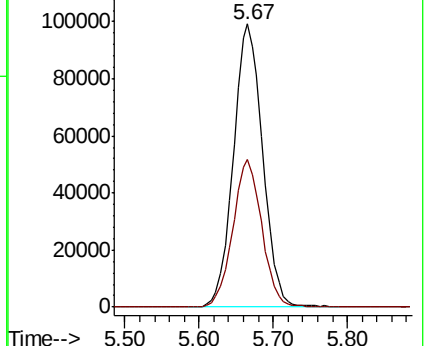
168 100

99 52.2 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004053.D

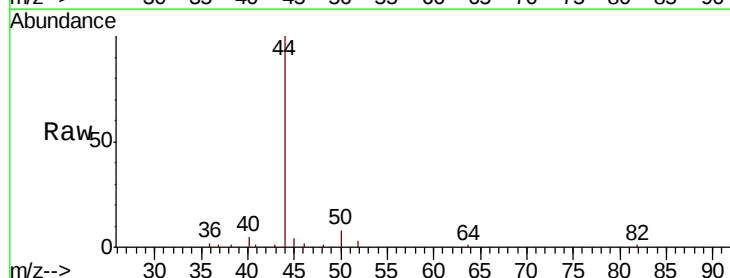
Acq: 15 Aug 2018 03:01

Tgt Ion: 50 Resp: 761

Ion Ratio Lower Upper

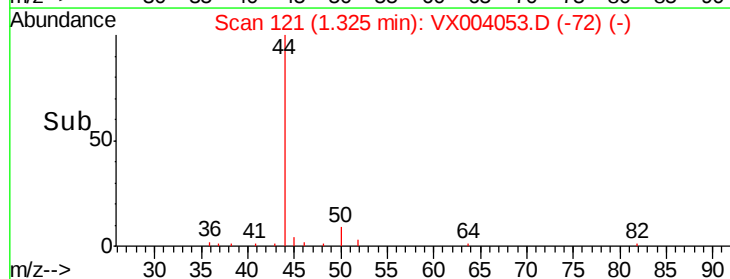
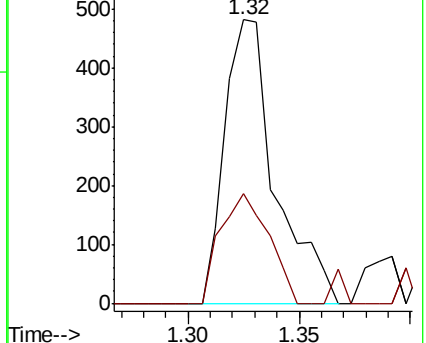
50 100

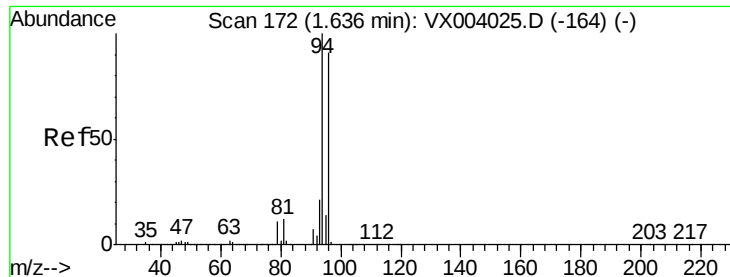
52 38.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.384 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004053.D

Acq: 15 Aug 2018 03:01

Instrument :

MSVOA_X

ClientSampleId :

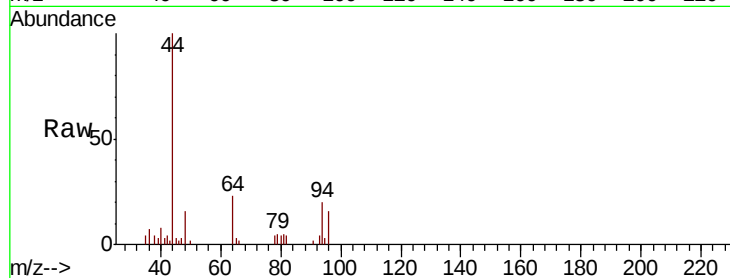
RB3-SRI3

Tgt Ion: 94 Resp: 1002

Ion Ratio Lower Upper

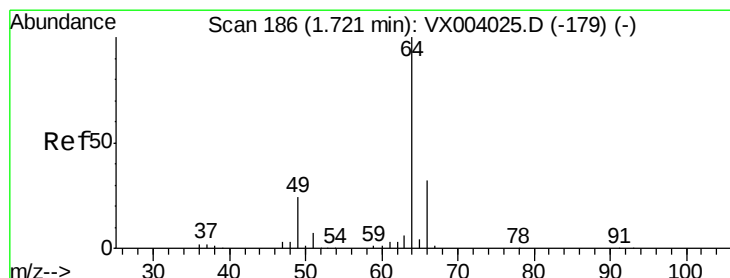
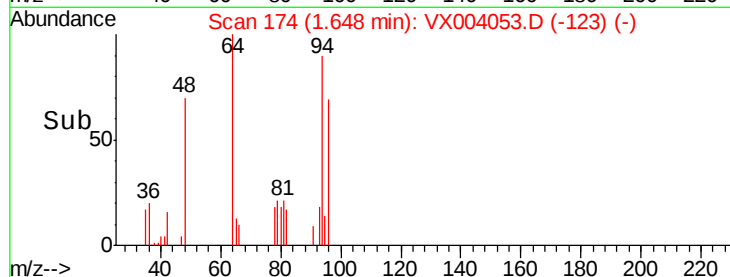
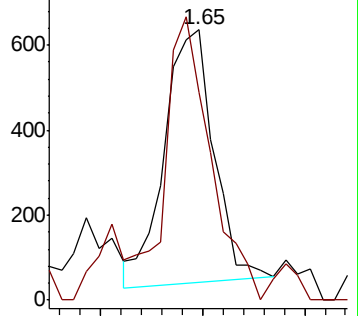
94 100

96 75.6 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX004053.D

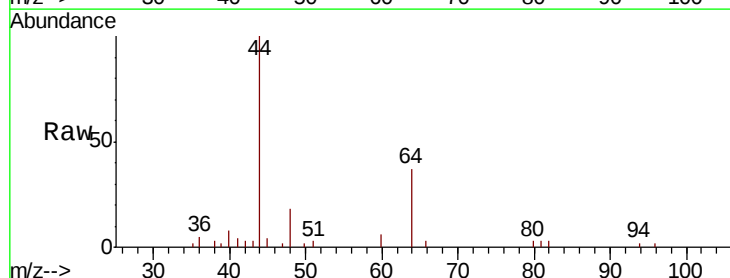
Acq: 15 Aug 2018 03:01

Tgt Ion: 64 Resp: 967

Ion Ratio Lower Upper

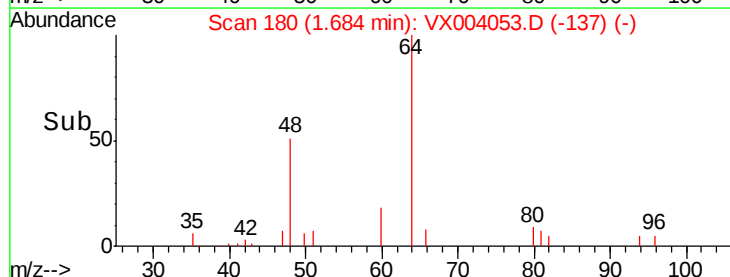
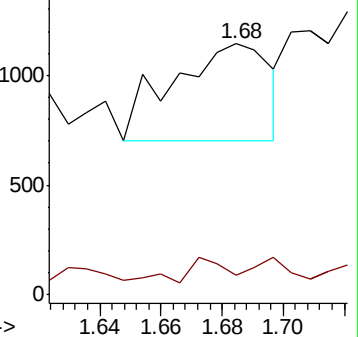
64 100

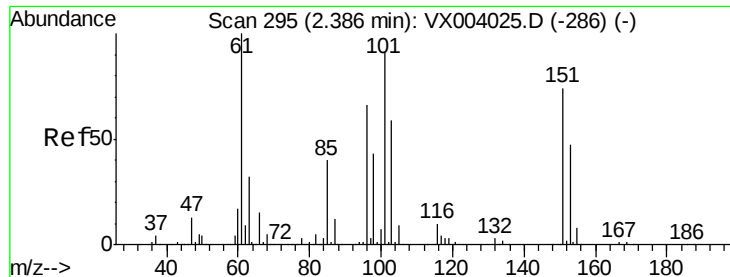
66 4.8 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.244 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX004053.D

Acq: 15 Aug 2018 03:01

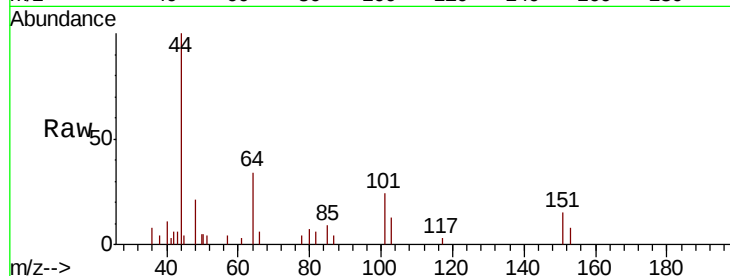
Instrument :

MSVOA_X

ClientSampleId :

RB3-SRI3

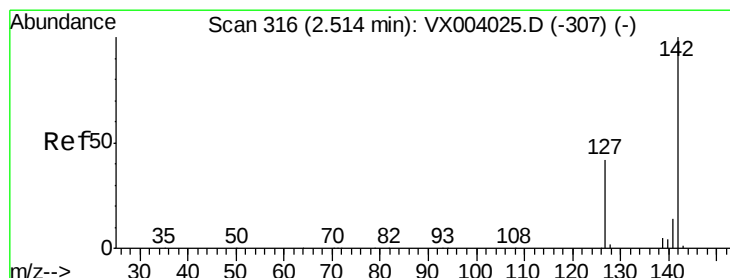
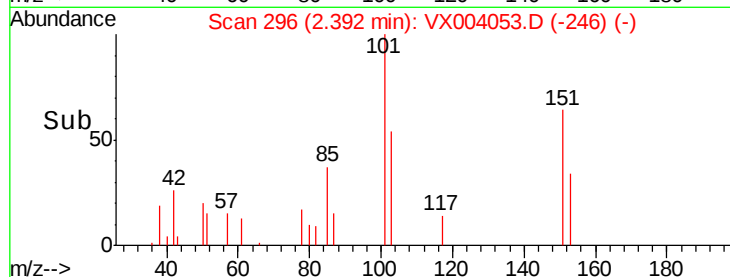
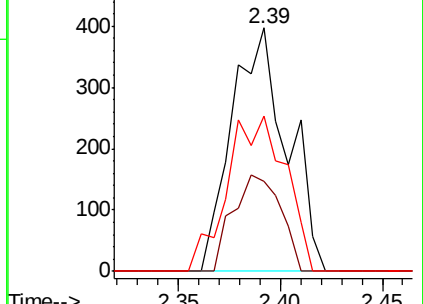
Tgt Ion:	101	Resp:	751
Ion	Ratio	Lower	Upper
101	100		
85	33.8	34.2	51.4#
151	66.8	65.0	97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.238 ug/l

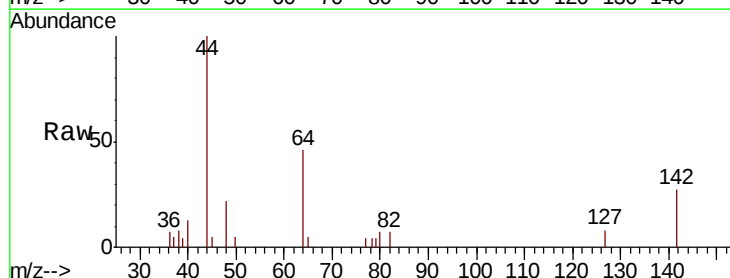
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004053.D

Acq: 15 Aug 2018 03:01

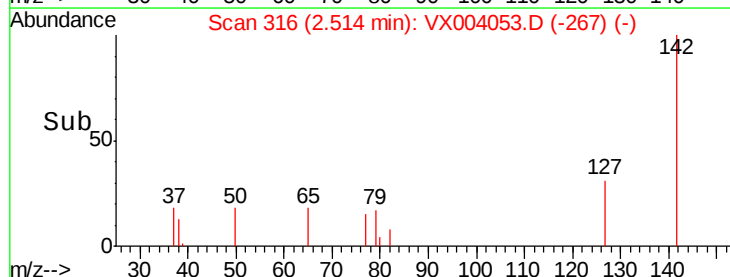
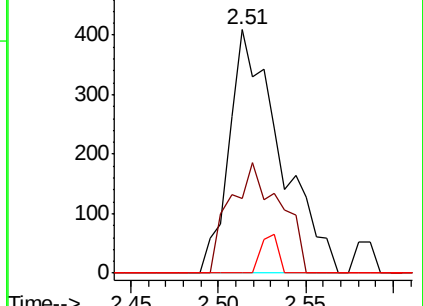
Tgt Ion:	142	Resp:	835
Ion	Ratio	Lower	Upper
142	100		
127	44.0	33.1	49.7
141	5.4	11.1	16.7#

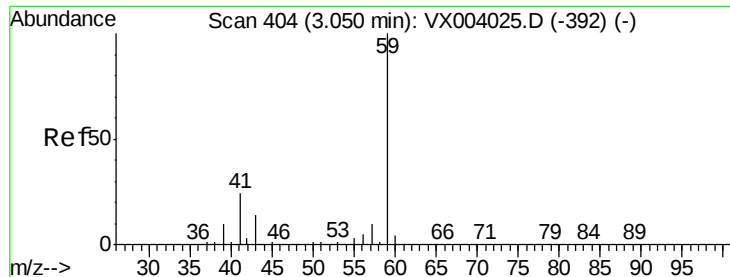


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

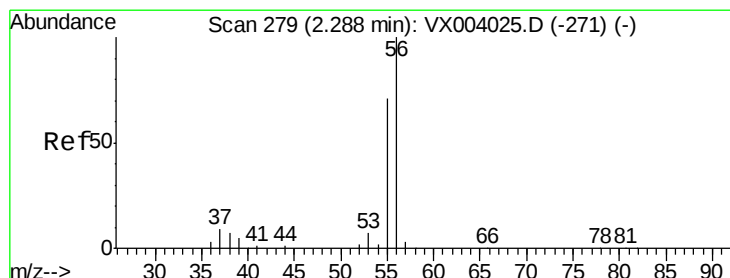
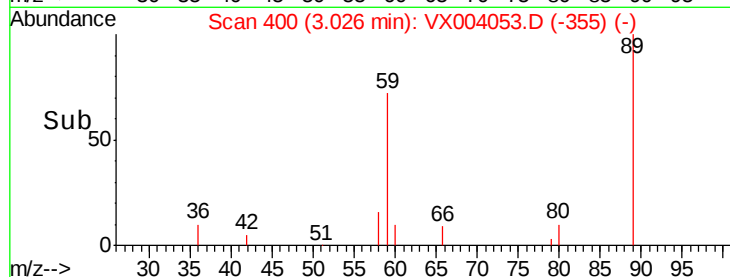
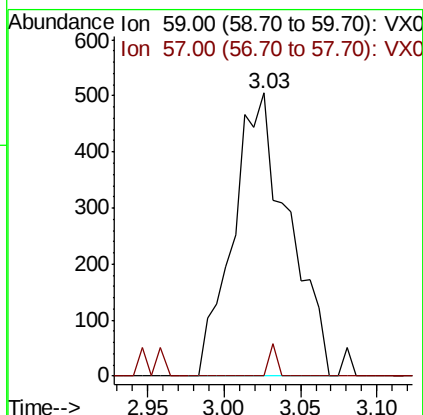
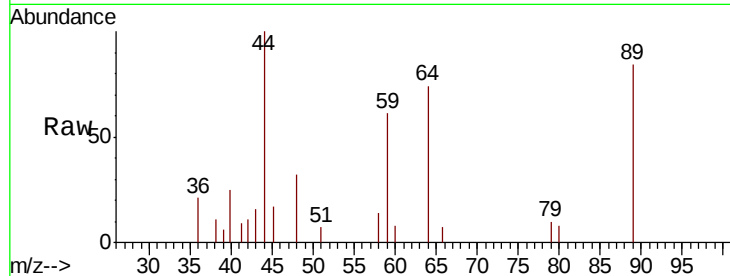




#11
Tert butyl alcohol
Concen: 1.644 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.02 min
Lab File: VX004053.D
Acq: 15 Aug 2018 03:01

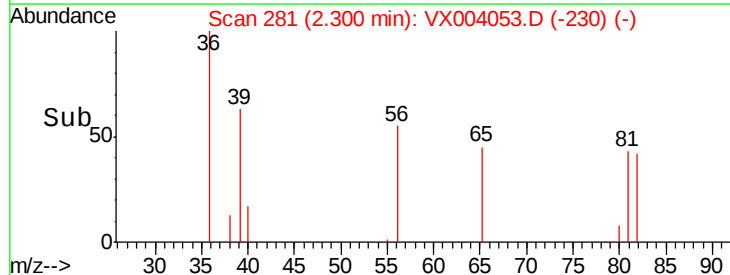
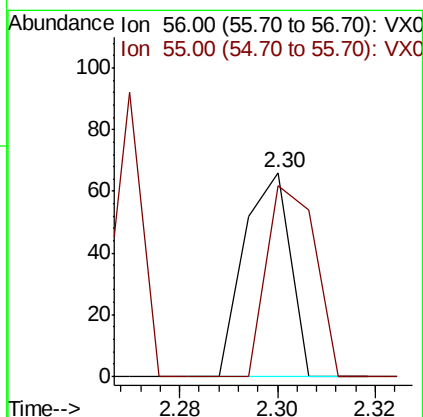
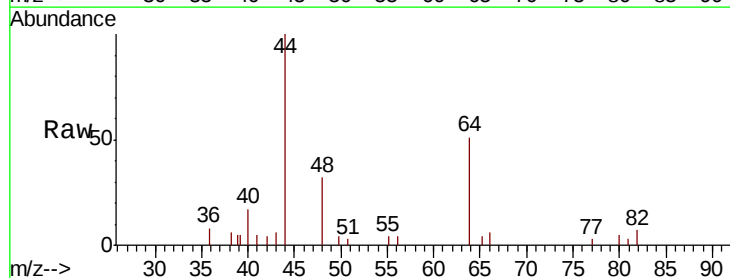
Instrument :
MSVOA_X
ClientSampleId :
RB3-SRI3

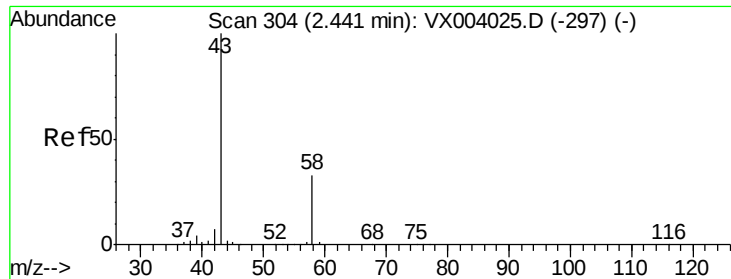
Tgt Ion: 59 Resp: 1271
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 11.028 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX004053.D
Acq: 15 Aug 2018 03:01

Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 97.7 56.1 84.1#





#16

Acetone

Concen: 2.234 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004053.D

Acq: 15 Aug 2018 03:01

Instrument :

MSVOA_X

ClientSampleId :

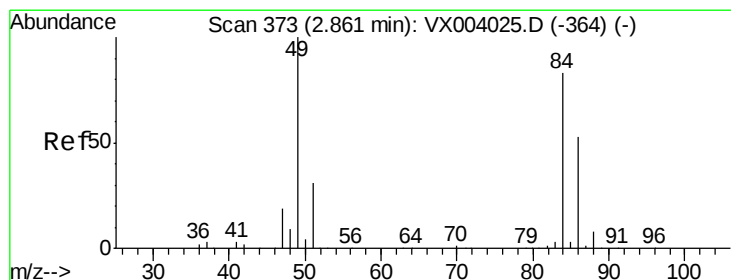
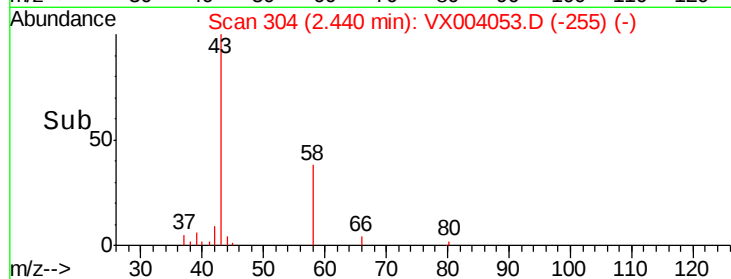
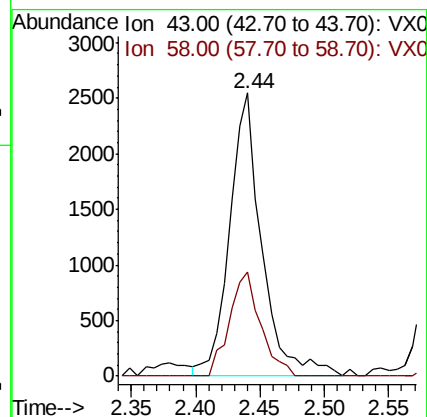
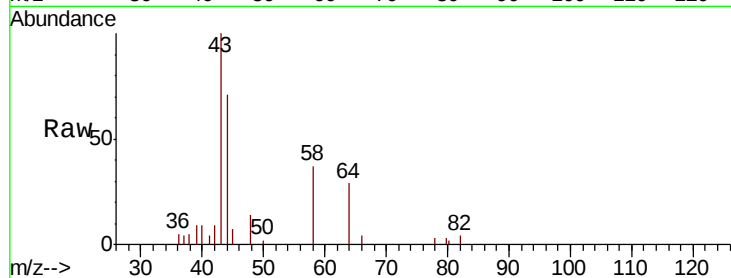
RB3-SRI3

Tgt Ion: 43 Resp: 4461

Ion Ratio Lower Upper

43 100

58 36.7 26.4 39.6



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX004053.D

Acq: 15 Aug 2018 03:01

Tgt Ion: 84 Resp: 896

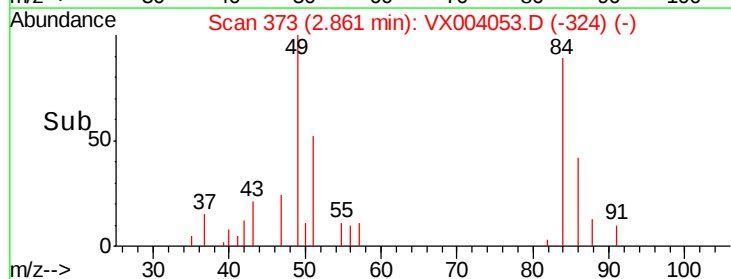
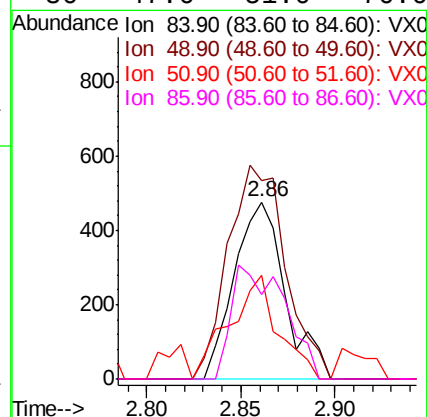
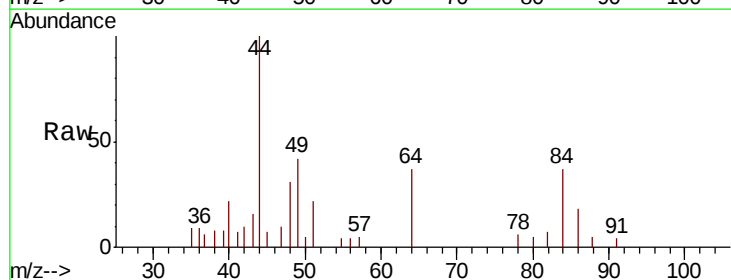
Ion Ratio Lower Upper

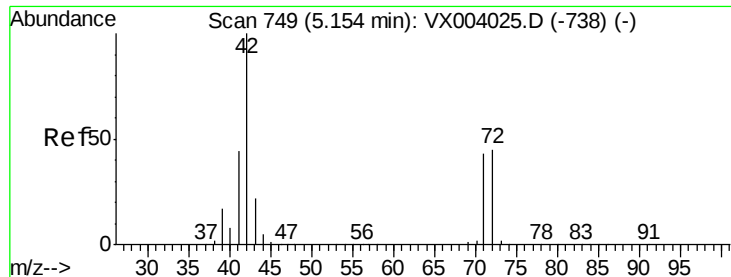
84 100

49 112.2 98.9 148.3

51 58.5 29.9 44.9#

86 47.6 51.0 76.6#

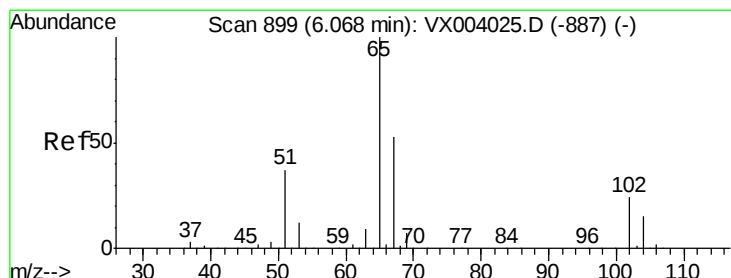
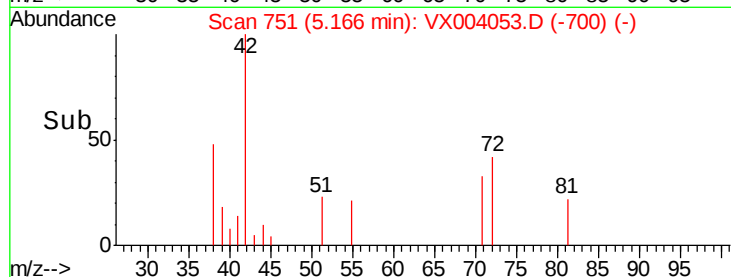
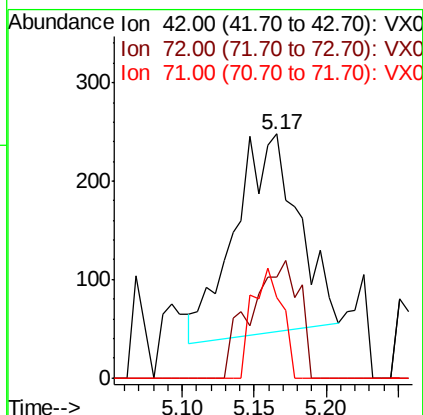
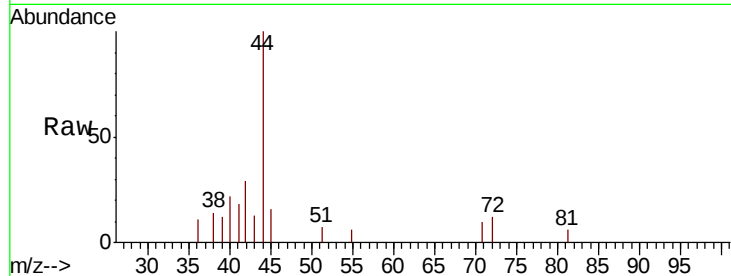




#29
Tetrahydrofuran
Concen: 0.375 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.01 min
Lab File: VX004053.D
Acq: 15 Aug 2018 03:01

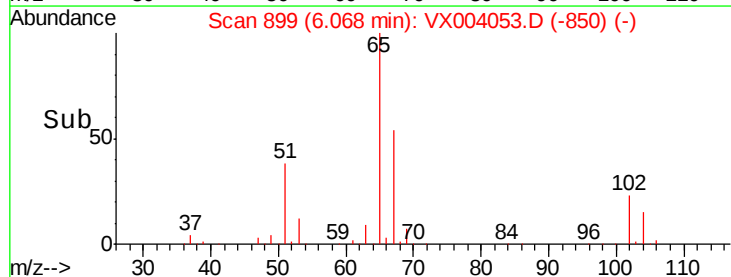
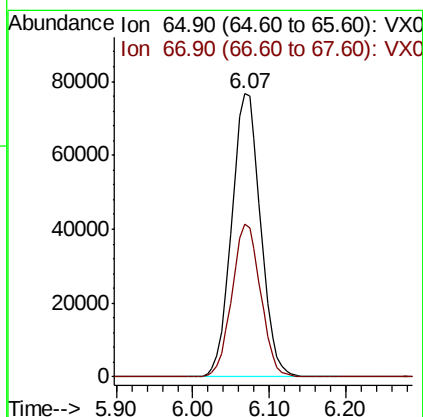
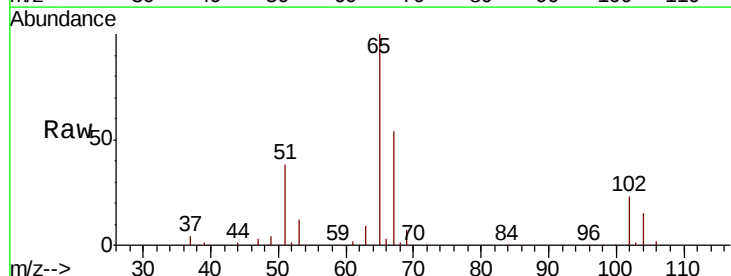
Instrument :
MSVOA_X
ClientSampleId :
RB3-SRI3

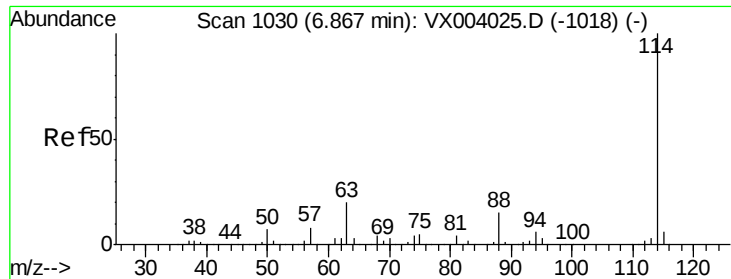
Tgt Ion: 42 Resp: 623
Ion Ratio Lower Upper
42 100
72 44.9 37.7 56.5
71 24.9 35.0 52.6#



#33
1,2-Dichloroethane-d4
Concen: 52.227 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004053.D
Acq: 15 Aug 2018 03:01

Tgt Ion: 65 Resp: 200556
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

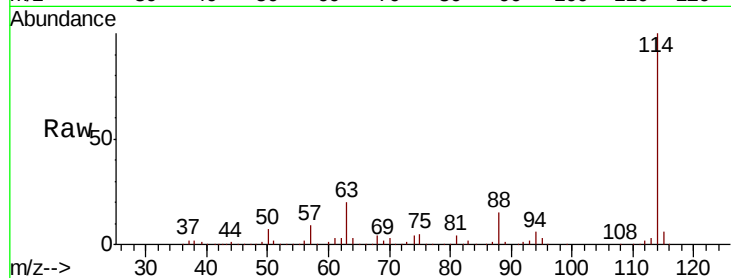




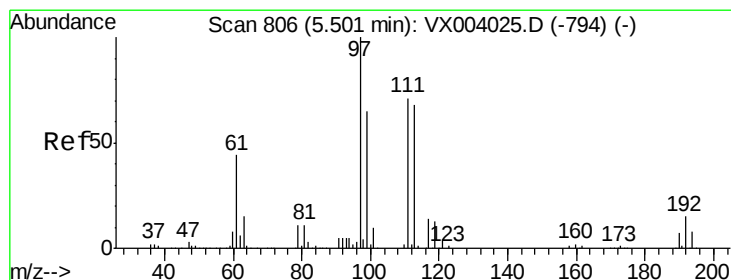
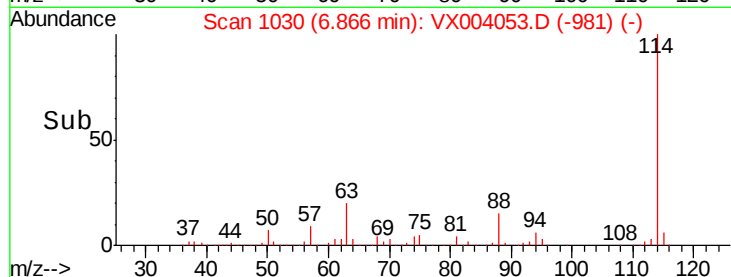
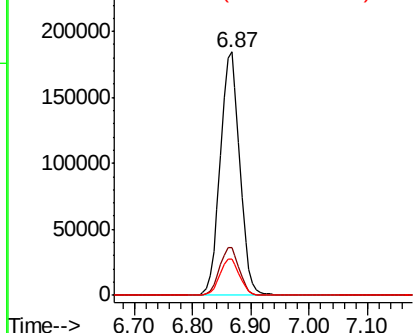
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004053.D
 Acq: 15 Aug 2018 03:01

Instrument :
 MSVOA_X
 ClientSampleId :
 RB3-SRI3

Tgt Ion:114 Resp: 429249
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.0 0.0 32.0

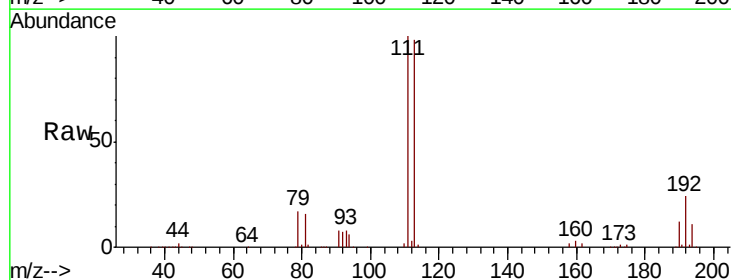


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

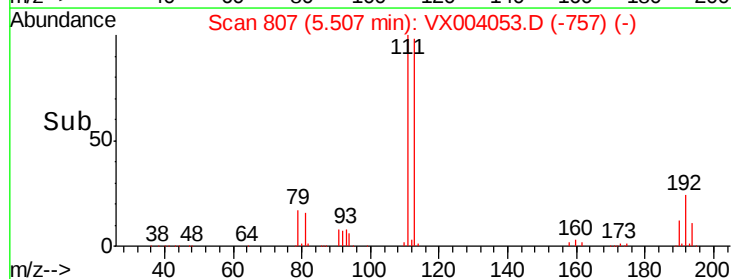
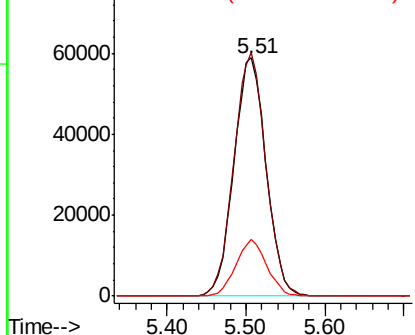


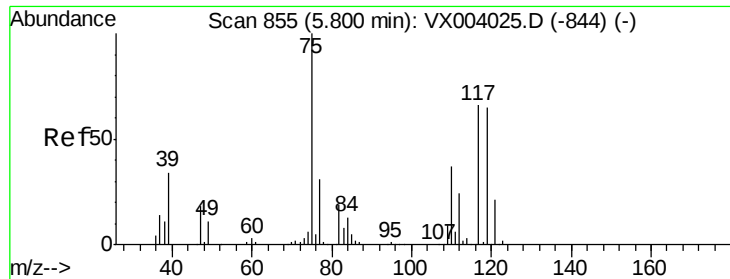
#35
 Dibromofluoromethane
 Concen: 52.000 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004053.D
 Acq: 15 Aug 2018 03:01

Tgt Ion:113 Resp: 167055
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.0 123.0
 192 22.8 19.0 28.4



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

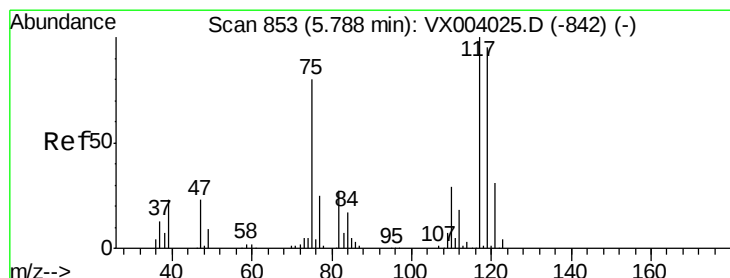
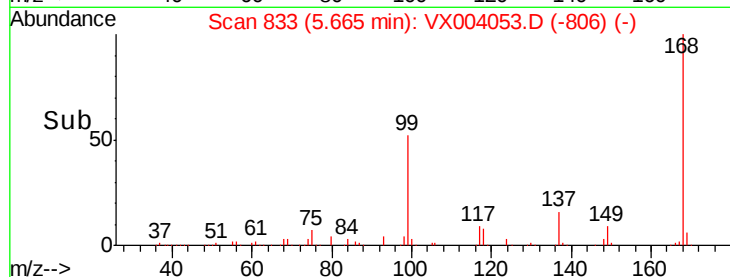
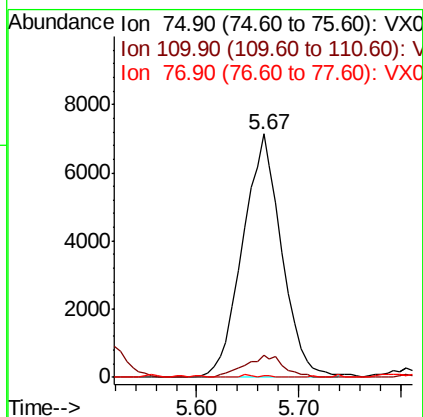
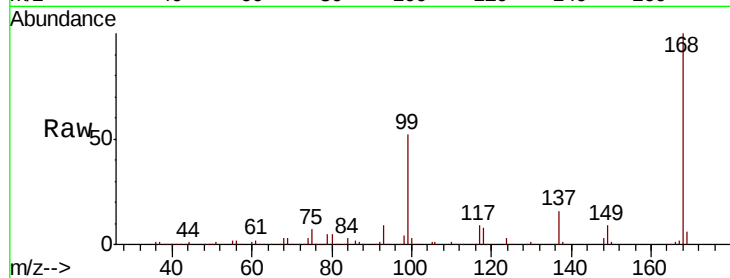




#36
 1,1-Dichloropropene
 Concen: 3.880 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004053.D
 Acq: 15 Aug 2018 03:01

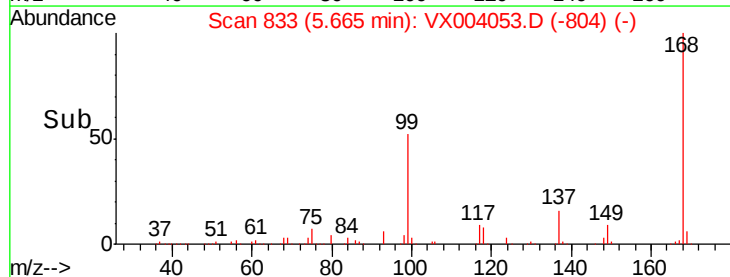
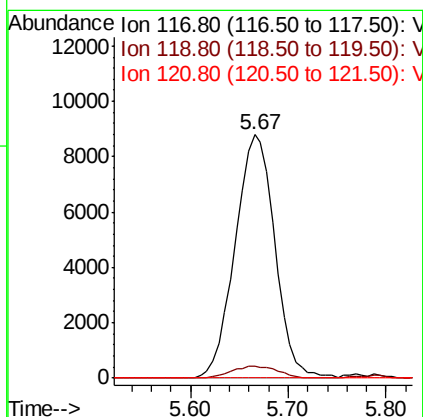
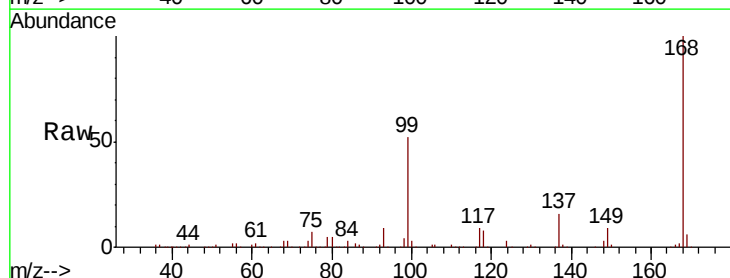
Instrument :
 MSVOA_X
 ClientSampleId :
 RB3-SRI3

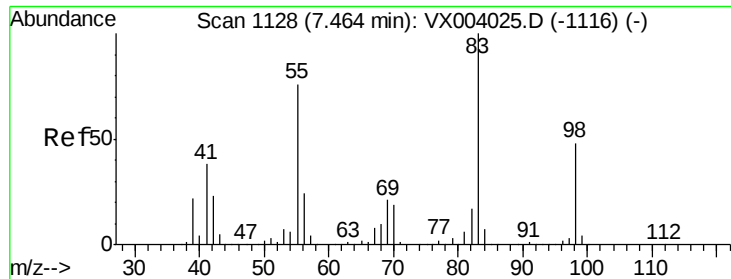
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.2	54.6#
77	0.2	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.230 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX004053.D
 Acq: 15 Aug 2018 03:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	79.5	119.3#
121	0.0	25.0	37.4#

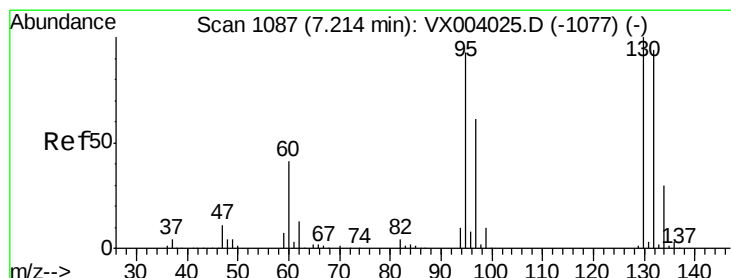
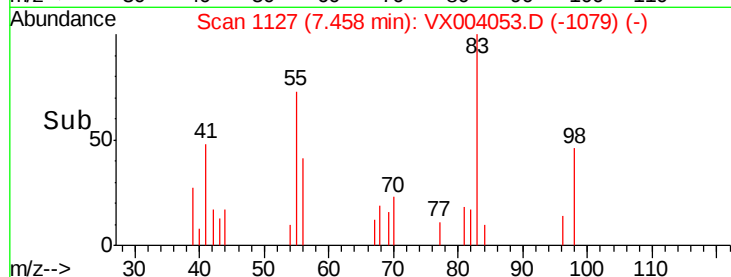
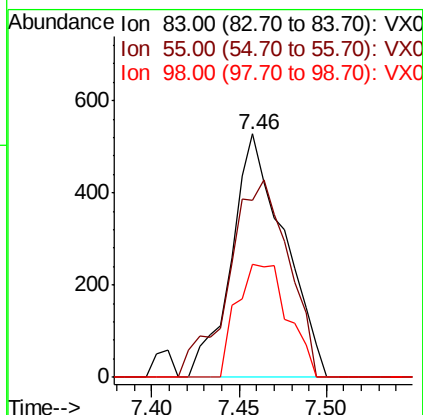
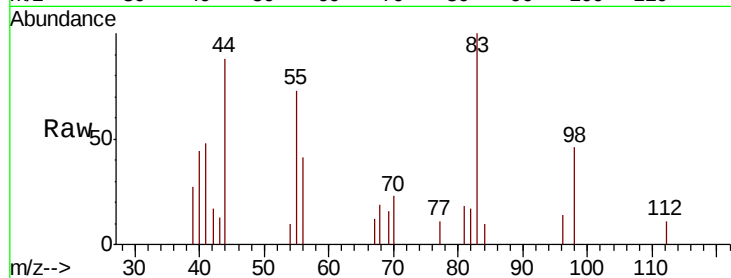




#39
Methylcyclohexane
Concen: 0.201 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004053.D
Acq: 15 Aug 2018 03:01

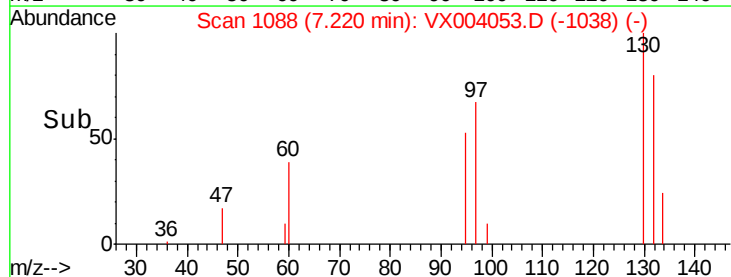
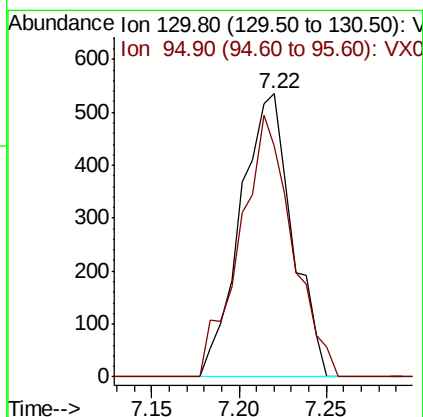
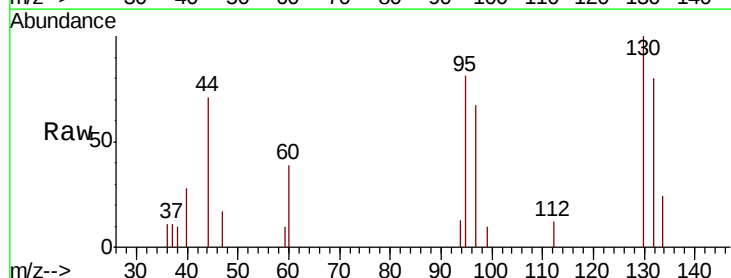
Instrument :
MSVOA_X
ClientSampleId :
RB3-SRI3

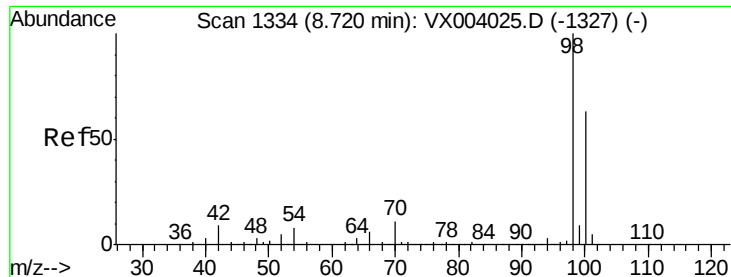
Tgt Ion: 83 Resp: 1113
Ion Ratio Lower Upper
83 100
55 72.9 61.0 91.6
98 46.2 38.6 57.8



#44
Trichloroethene
Concen: 0.277 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX004053.D
Acq: 15 Aug 2018 03:01

Tgt Ion: 130 Resp: 1102
Ion Ratio Lower Upper
130 100
95 81.5 0.0 199.4





#50

Toluene-d8

Concen: 47.445 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004053.D

Acq: 15 Aug 2018 03:01

Instrument :

MSVOA_X

ClientSampleId :

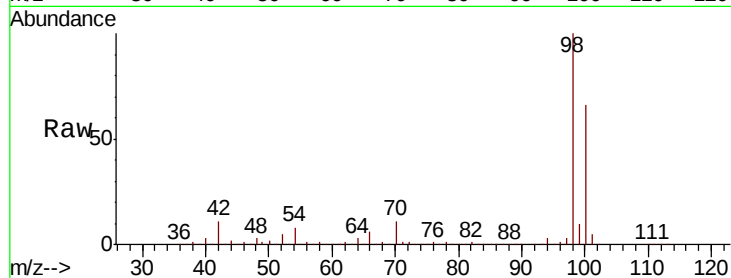
RB3-SRI3

Tgt Ion: 98 Resp: 617987

Ion Ratio Lower Upper

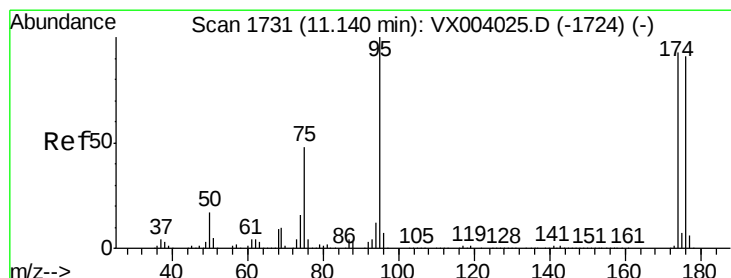
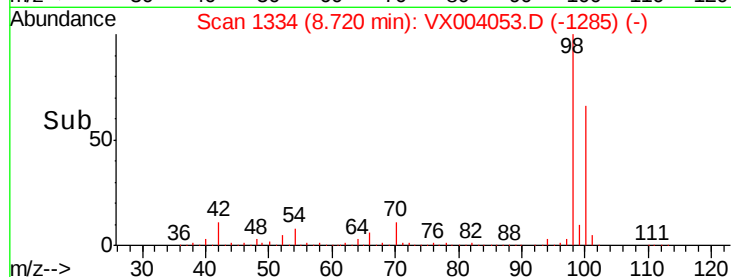
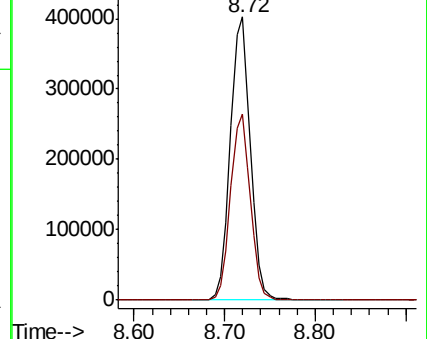
98 100

100 65.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.195 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004053.D

Acq: 15 Aug 2018 03:01

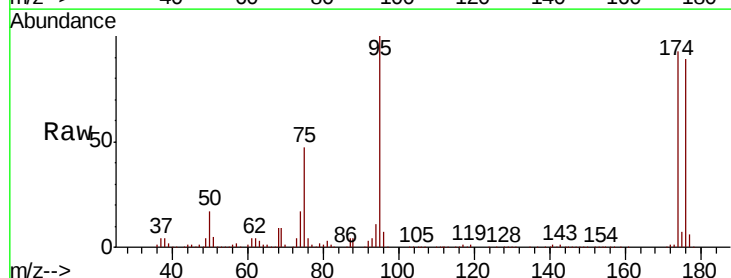
Tgt Ion: 95 Resp: 213508

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.8

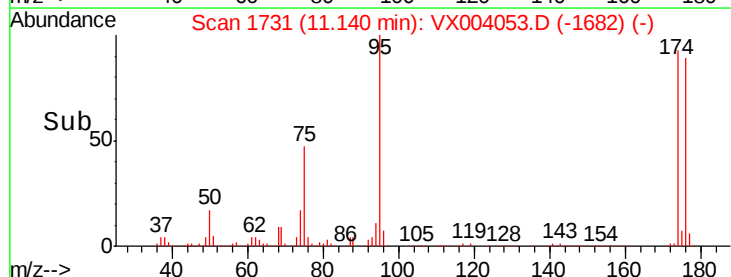
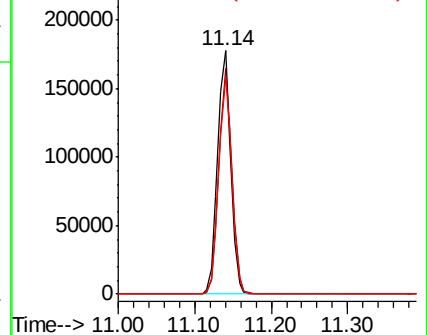
176 89.0 0.0 179.0

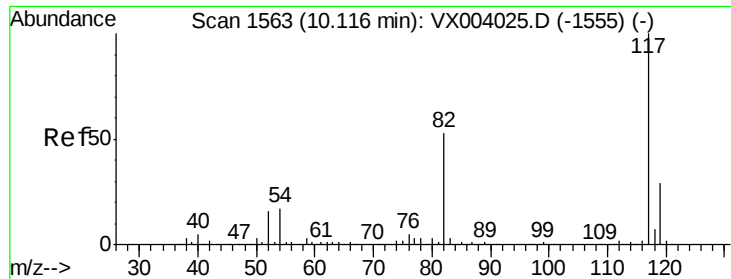


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

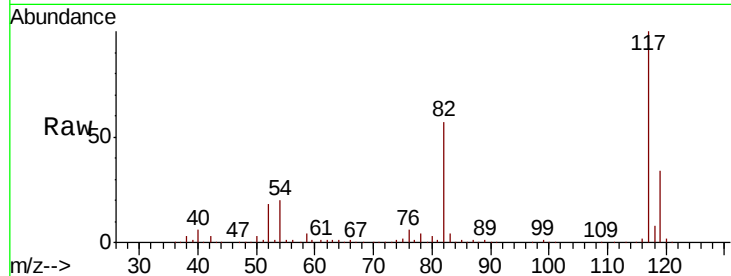




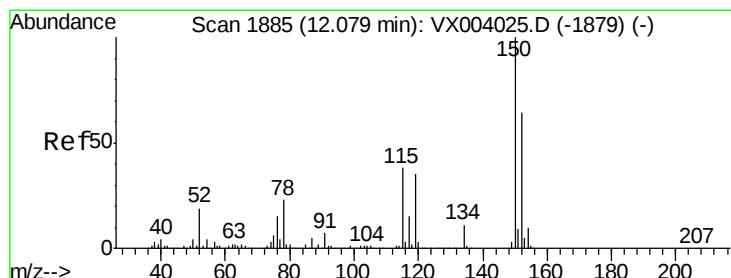
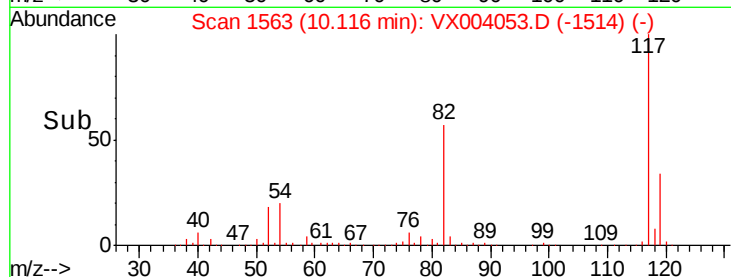
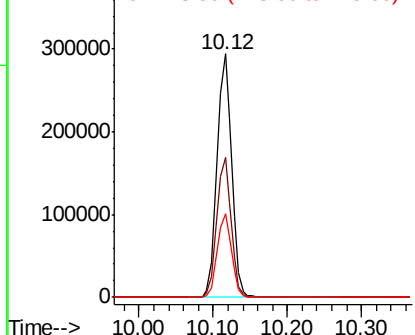
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004053.D
Acq: 15 Aug 2018 03:01

Instrument :
MSVOA_X
ClientSampleId :
RB3-SRI3

Tgt Ion:117 Resp: 395196
Ion Ratio Lower Upper
117 100
82 57.5 45.4 68.0
119 34.2 26.6 40.0

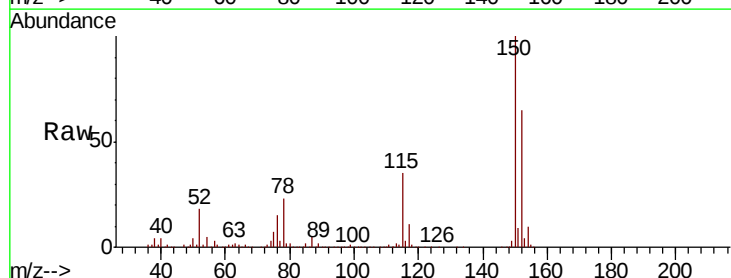


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

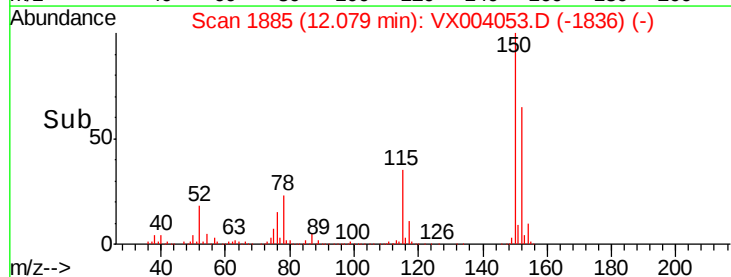
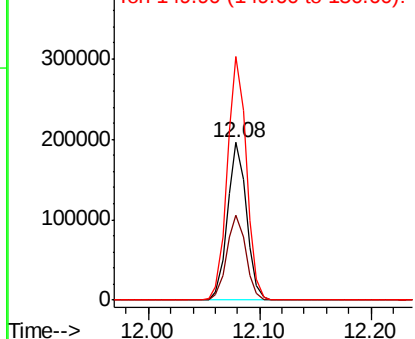


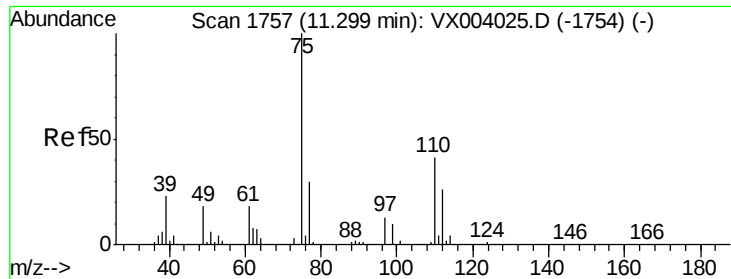
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004053.D
Acq: 15 Aug 2018 03:01

Tgt Ion:152 Resp: 229850
Ion Ratio Lower Upper
152 100
115 54.8 39.1 117.3
150 155.7 0.0 349.2



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

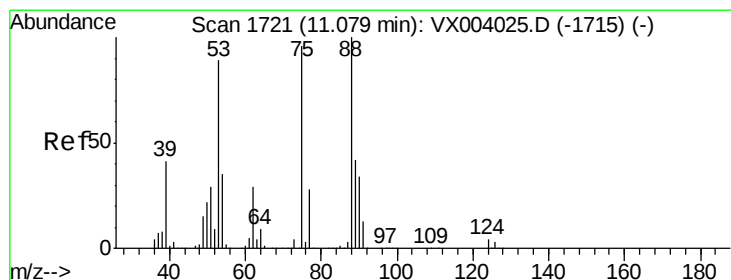
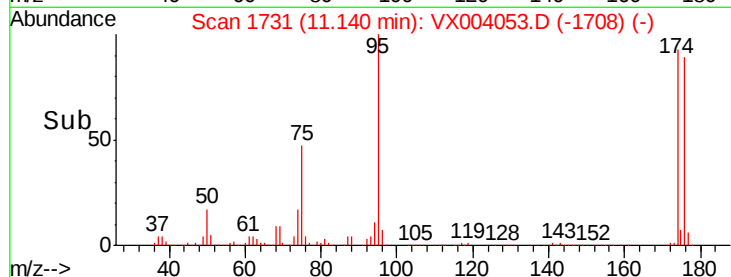
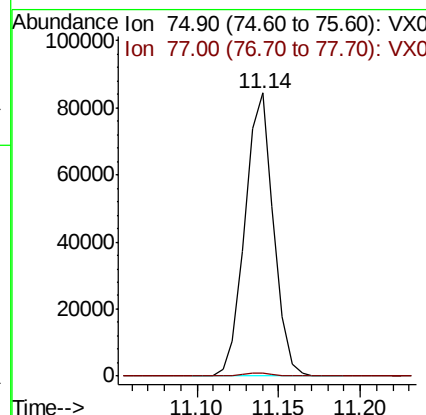
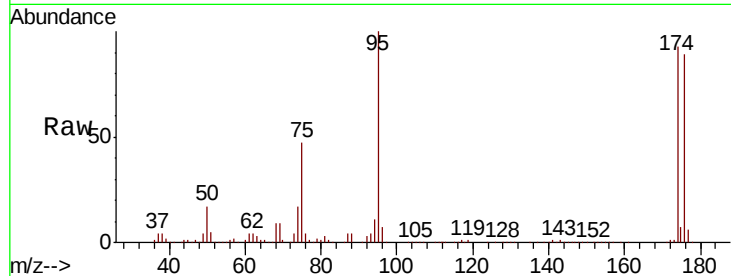




#76
 1,2,3-Trichloropropane
 Concen: 22.320 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004053.D
 Acq: 15 Aug 2018 03:01

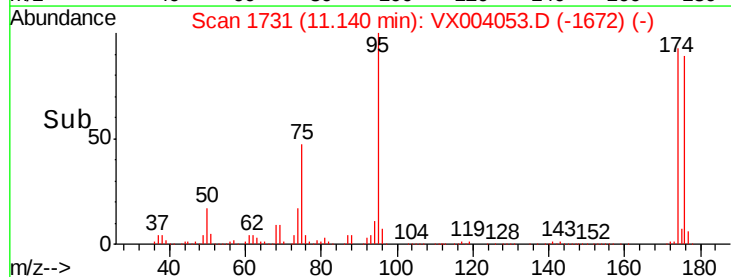
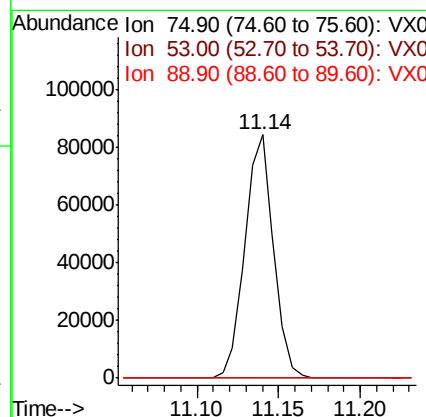
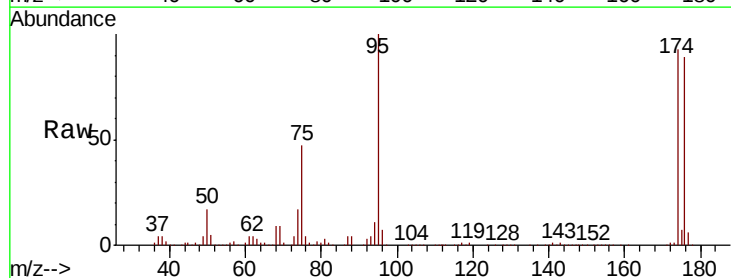
Instrument :
 MSVOA_X
 ClientSampleId :
 RB3-SRI3

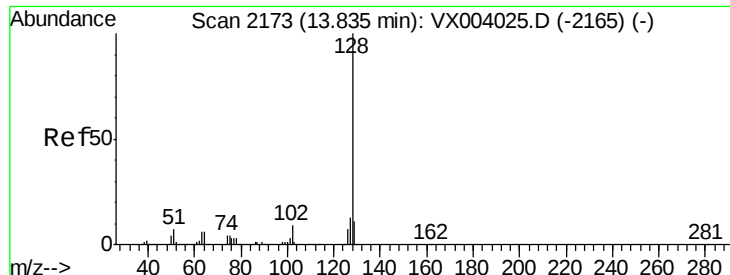
Tgt Ion: 75 Resp: 102883
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.092 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004053.D
 Acq: 15 Aug 2018 03:01

Tgt Ion: 75 Resp: 102883
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.3 120.5#
 89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.195 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004053.D
Acq: 15 Aug 2018 03:01

Instrument :
MSVOA_X
ClientSampleId :
RB3-SRI3

Tgt Ion:128 Resp: 828
Ion Ratio Lower Upper
128 100
127 6.4 10.2 15.2#
129 6.0 8.8 13.2#

