

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032018\
 Data File : VX000359.D
 Acq On : 20 Mar 2018 12:35
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Quant Time: Mar 20 12:52:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 12:07:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	131720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	216194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	272434	149.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.02%	
35) Dibromofluoromethane	5.52	113	219775	161.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.24%	
50) Toluene-d8	8.73	98	986088	173.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	346.58%	
62) 4-Bromofluorobenzene	11.15	95	402981	176.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	353.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	206328	145.41	ug/l	98
3) Chloromethane	1.32	50	209054	144.53	ug/l	97
4) Vinyl Chloride	1.41	62	217658	134.35	ug/l	97
5) Bromomethane	1.64	94	290986	160.95	ug/l	96
6) Chloroethane	1.71	64	200108	173.79	ug/l	97
7) Trichlorofluoromethane	1.92	101	432080	153.56	ug/l	100
8) Diethyl Ether	2.20	74	148236	148.00	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	226805	149.70	ug/l	98
10) Methyl Iodide	2.51	142	259463	169.49	ug/l	100
11) Tert butyl alcohol	3.12	59	503589	854.13	ug/l	99
12) 1,1-Dichloroethene	2.37	96	210623	146.49	ug/l	97
13) Acrolein	2.31	56	152831	602.51	ug/l	98
14) Allyl chloride	2.73	41	385238	150.25	ug/l	99
15) Acrylonitrile	3.17	53	935599	823.00	ug/l	100
16) Acetone	2.46	43	1072595	881.57	ug/l	99
17) Carbon Disulfide	2.57	76	578265	137.67	ug/l	99
18) Methyl Acetate	2.79	43	445329	163.56	ug/l	99
19) Methyl tert-butyl Ether	3.22	73	800386	158.12	ug/l	99
20) Methylene Chloride	2.87	84	224677	142.63	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	240991	151.60	ug/l	98
22) Diisopropyl ether	3.89	45	668289	156.61	ug/l	97
23) Vinyl Acetate	3.84	43	3156991	776.17	ug/l	100
24) 1,1-Dichloroethane	3.70	63	375752	139.97	ug/l	99
25) 2-Butanone	4.73	43	1272043	874.74	ug/l	99
26) 2,2-Dichloropropane	4.60	77	316256	163.21	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	217905	150.07	ug/l	98
28) Bromochloromethane	5.04	49	172923	153.26	ug/l	99
29) Tetrahydrofuran	5.18	42	797119	851.66	ug/l	99
30) Chloroform	5.23	83	418410	165.08	ug/l	97
31) Cyclohexane	5.59	56	312023	151.48	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	370066	165.21	ug/l	98
36) 1,1-Dichloropropene	5.81	75	294566	149.95	ug/l	99
37) Ethyl Acetate	4.88	43	428937	164.30	ug/l	99
38) Carbon Tetrachloride	5.79	117	325202	164.21	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	360129	157.18	ug/l	97
40) Benzene	6.16	78	871452	156.37	ug/l	99
41) Methacrylonitrile	5.09	41	220372	160.76	ug/l	98
42) 1,2-Dichloroethane	6.21	62	332553	150.55	ug/l	99
43) Isopropyl Acetate	6.48	43	650876	172.73	ug/l	99
44) Trichloroethene	7.23	130	239787	148.49	ug/l	99
45) 1,2-Dichloropropane	7.52	63	223546	162.65	ug/l	96
46) Dibromomethane	7.67	93	170787	154.68	ug/l	98
47) Bromodichloromethane	7.91	83	337830	172.36	ug/l	100
48) Methyl methacrylate	7.79	41	314729	165.19	ug/l	98
49) 1,4-Dioxane	7.77	88	140390	3275.14	ug/l	97
51) 4-Methyl-2-Pentanone	8.67	43	2708125	925.47	ug/l	98
52) Toluene	8.79	92	661944	169.09	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	402969	178.14	ug/l	98
54) cis-1,3-Dichloropropene	9.06	75	412024	186.26	ug/l	94
55) 1,1,2-Trichloroethane	9.23	97	275672	175.50	ug/l	98
56) Ethyl methacrylate	9.20	69	453241	194.87	ug/l	95
57) 1,3-Dichloropropane	9.38	76	410333	161.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.33	63	1010492	944.74	ug/l	100
59) 2-Hexanone	9.51	43	2362412	958.24	ug/l	97
60) Dibromochloromethane	9.59	129	330087	198.73	ug/l	98
61) 1,2-Dibromoethane	9.68	107	302292	173.61	ug/l	99
64) Tetrachloroethene	9.34	164	231510	138.50	ug/l	98
65) Chlorobenzene	10.15	112	783578	164.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	275476	171.84	ug/l	98
67) Ethyl Benzene	10.26	91	1298104	159.75	ug/l	100
68) m/p-Xylenes	10.37	106	1092445	345.06	ug/l	95
69) o-Xylene	10.71	106	525888	170.99	ug/l	100
70) Styrene	10.72	104	941723	184.52	ug/l	96
71) Bromoform	10.87	173	309286	220.57	ug/l #	96
73) Isopropylbenzene	11.03	105	1475424	155.75	ug/l	99
74) N-amyl acetate	6.48	43	650876	143.53	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	542226	160.79	ug/l	100
76) 1,2,3-Trichloropropane	11.31	75	663394	209.53	ug/l	84
77) Bromobenzene	11.27	156	392651	157.92	ug/l	95
78) n-propylbenzene	11.37	91	1708645	149.58	ug/l	99
79) 2-Chlorotoluene	11.43	91	979381	151.09	ug/l	99
80) 1,3,5-Trimethylbenzene	11.52	105	1267195	157.03	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	184322	198.35	ug/l	93
82) 4-Chlorotoluene	11.52	91	1203461	151.05	ug/l	97
83) tert-Butylbenzene	11.78	119	1295106	164.51	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	1289840	155.47	ug/l	97
85) sec-Butylbenzene	11.96	105	1565311	158.82	ug/l	99
86) p-Isopropyltoluene	12.07	119	1432154	163.28	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	763226	156.42	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	788297	155.47	ug/l	98
89) n-Butylbenzene	12.40	91	1320914	154.89	ug/l	99
90) Hexachloroethane	12.60	117	241067	171.35	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	770891	163.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	156340	171.26	ug/l	99

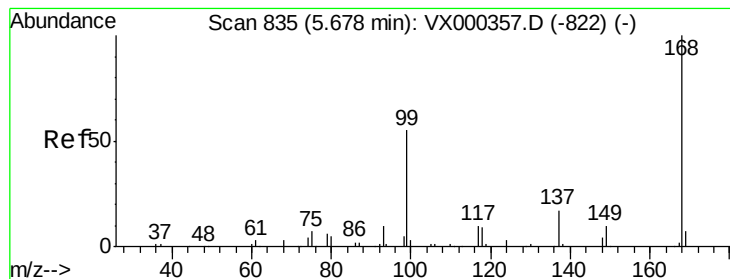
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	542316	159.30	ug/l	99
94) Hexachlorobutadiene	13.79	225	219915	163.75	ug/l	98
95) Naphthalene	13.85	128	1970096	166.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	545385	158.59	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

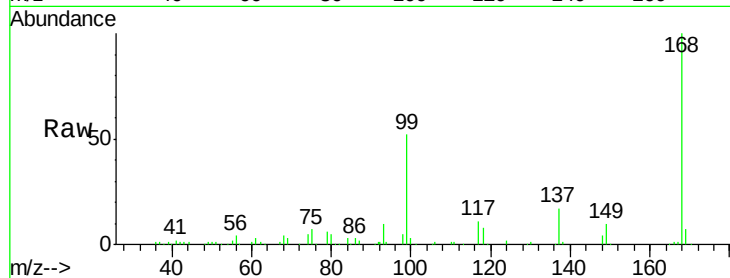
VSTDIC150

Tgt Ion:168 Resp: 131720

Ion Ratio Lower Upper

168 100

99 51.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

20000

0

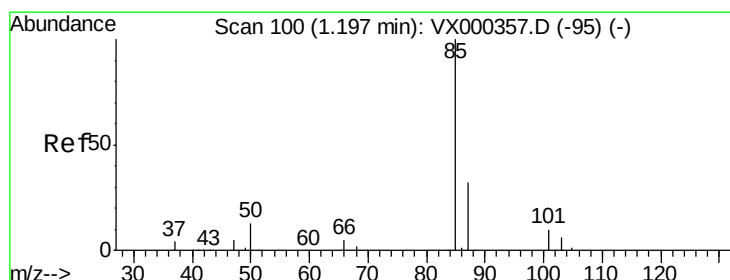
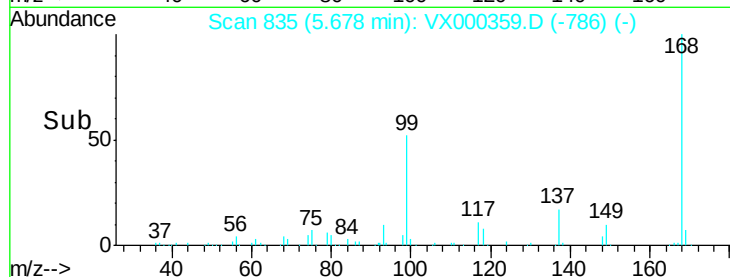
5.68

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 145.41 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000359.D

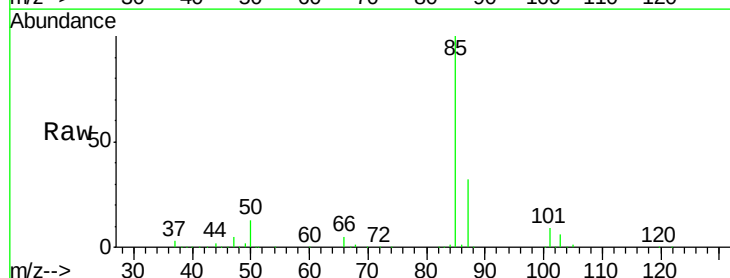
Acq: 20 Mar 2018 12:35

Tgt Ion: 85 Resp: 206328

Ion Ratio Lower Upper

85 100

87 32.2 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

250000

200000

150000

100000

50000

0

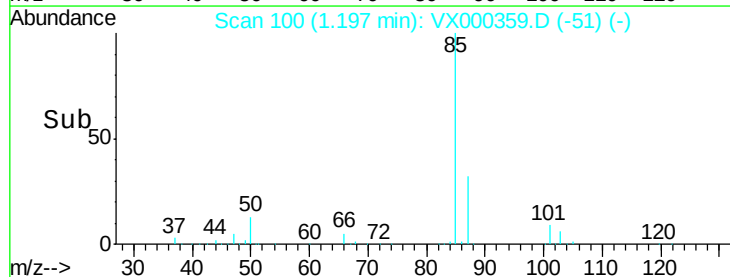
1.20

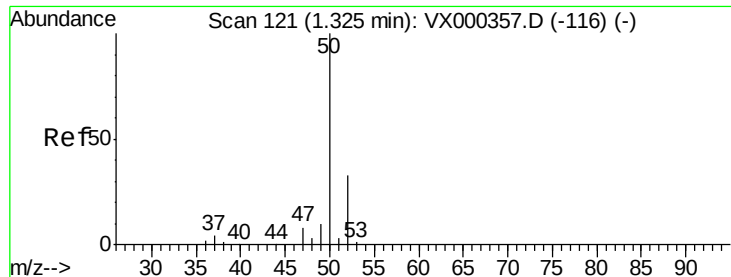
1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 144.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

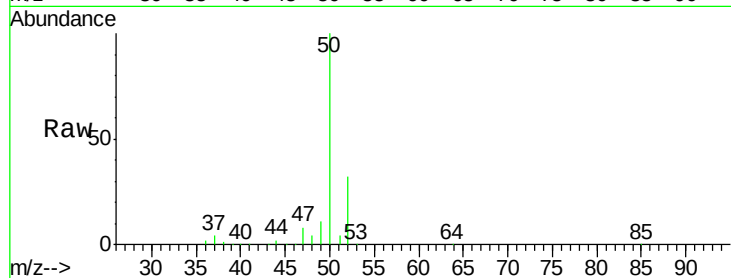
VSTDIC150

Tgt Ion: 50 Resp: 209054

Ion Ratio Lower Upper

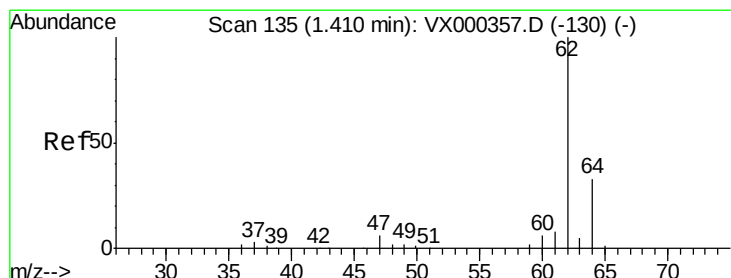
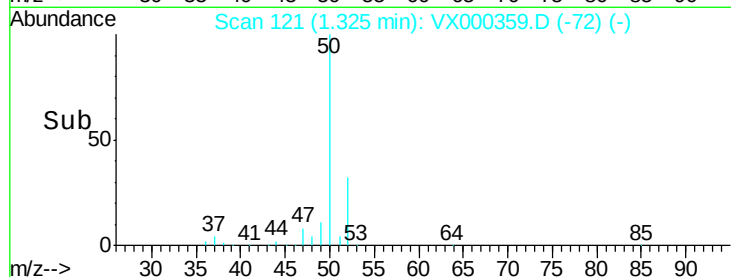
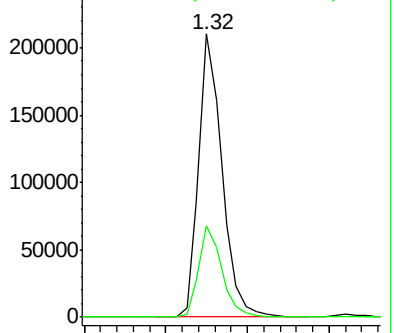
50 100

52 32.5 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 134.35 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000359.D

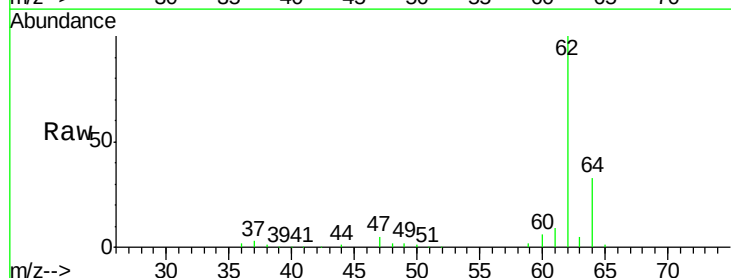
Acq: 20 Mar 2018 12:35

Tgt Ion: 62 Resp: 217658

Ion Ratio Lower Upper

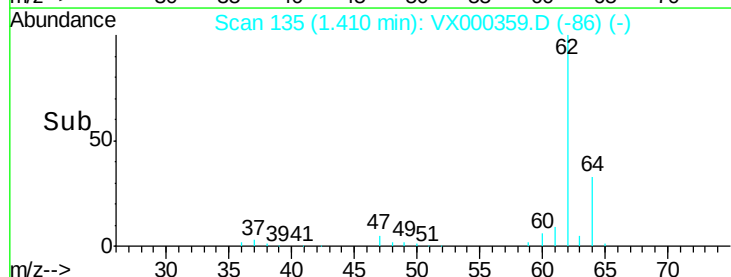
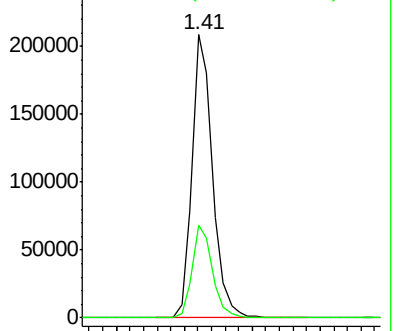
62 100

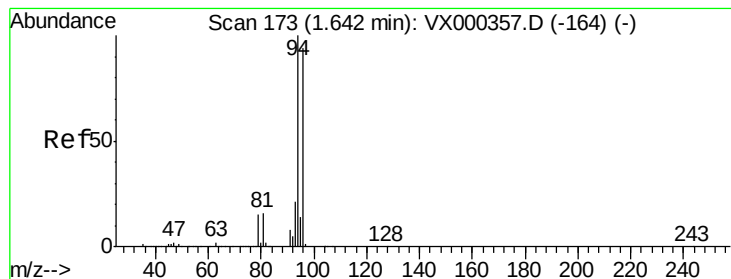
64 32.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 160.95 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

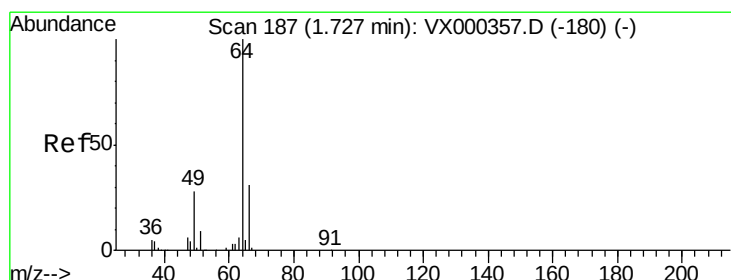
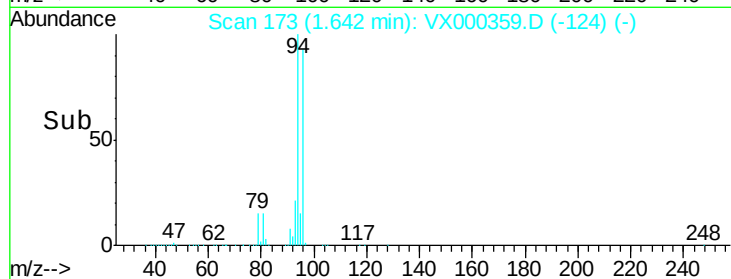
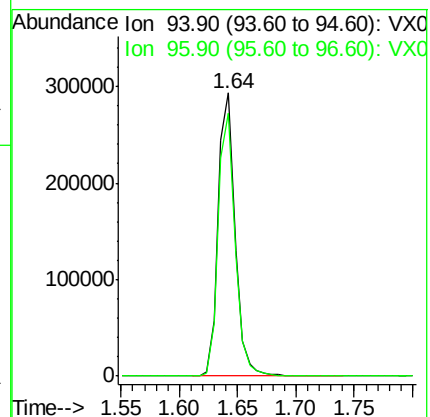
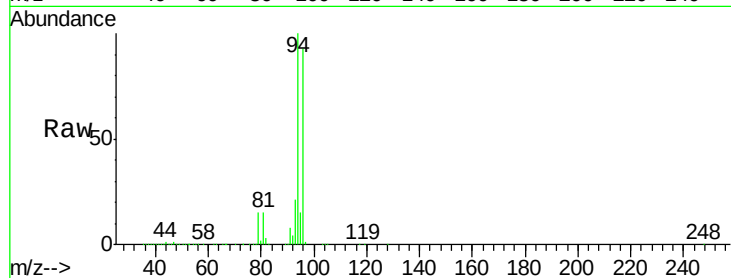
VSTDIC150

Tgt Ion: 94 Resp: 290986

Ion Ratio Lower Upper

94 100

96 92.9 77.7 116.5



#6

Chloroethane

Concen: 173.79 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000359.D

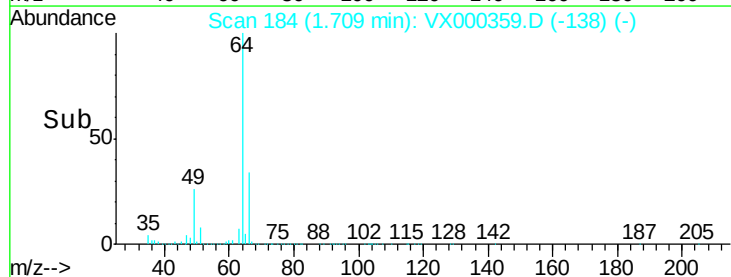
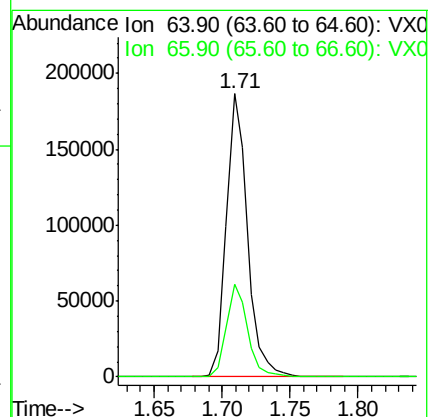
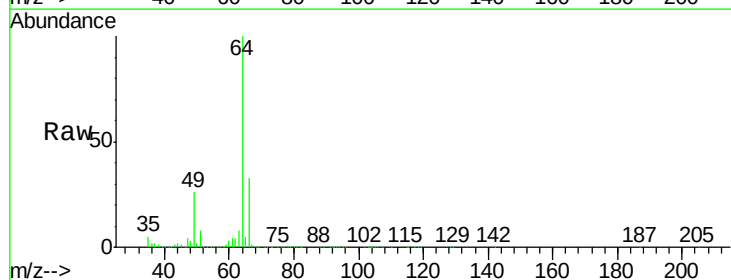
Acq: 20 Mar 2018 12:35

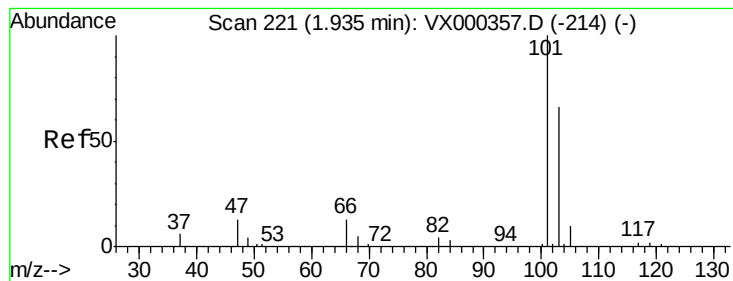
Tgt Ion: 64 Resp: 200108

Ion Ratio Lower Upper

64 100

66 32.7 24.8 37.2



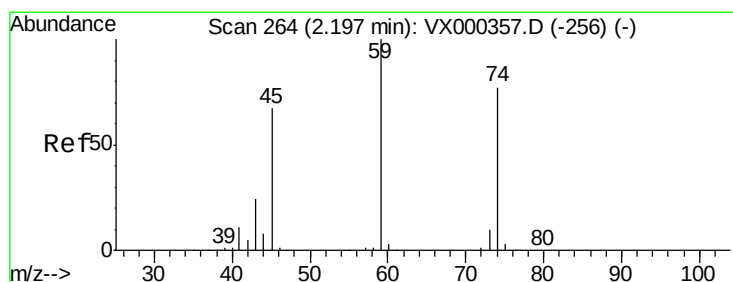
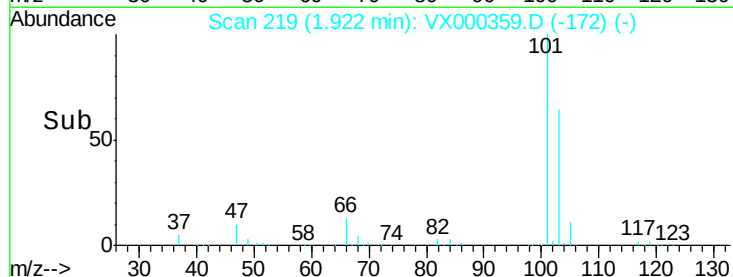
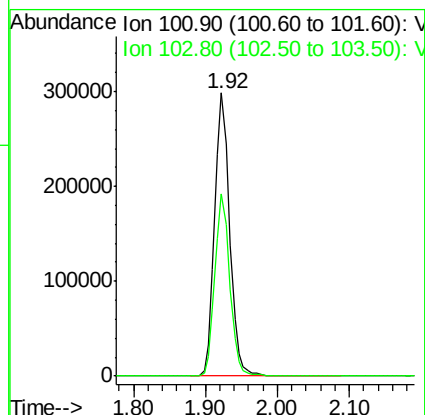
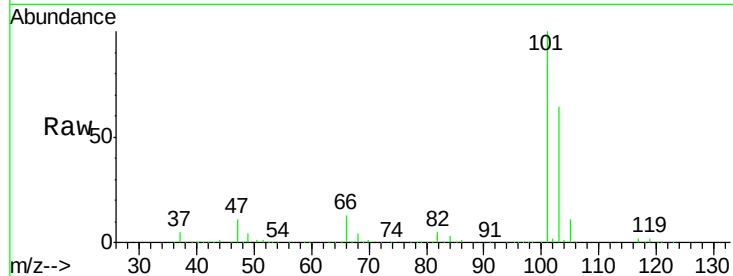


#7

Trichlorofluoromethane
Concen: 153.56 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
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ClientSampleId :
VSTDIC150

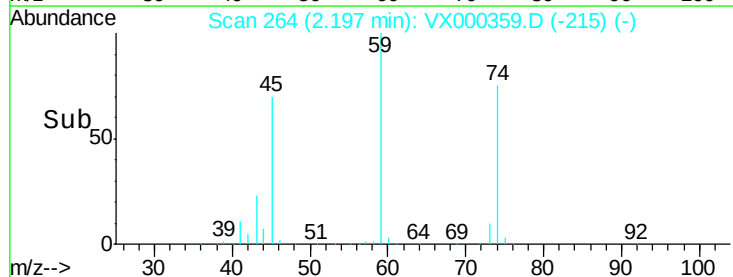
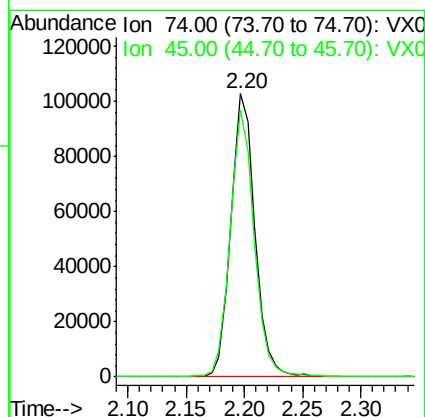
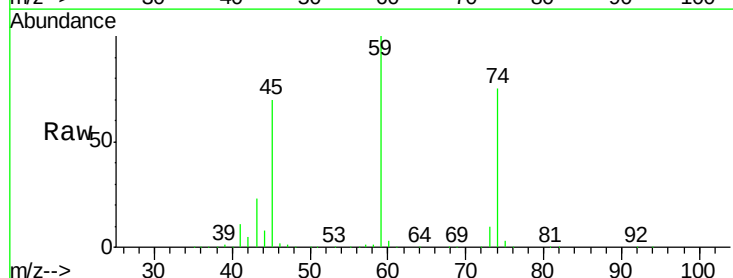
Tgt Ion:101 Resp: 432080
Ion Ratio Lower Upper
101 100
103 64.3 51.6 77.4

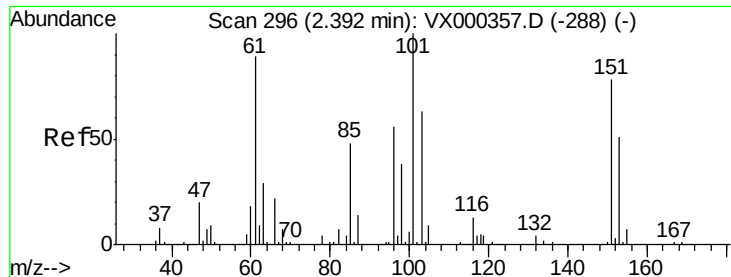


#8

Diethyl Ether
Concen: 148.00 ug/l
RT: 2.20 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 74 Resp: 148236
Ion Ratio Lower Upper
74 100
45 94.9 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.70 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

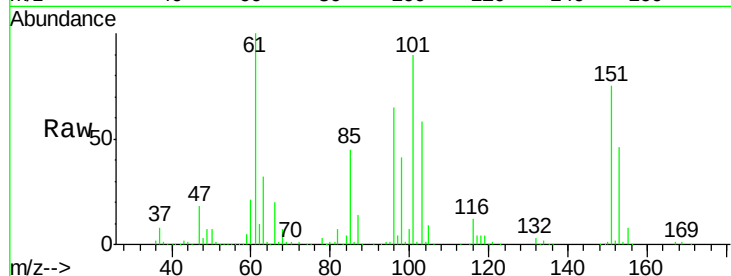
Tgt Ion:101 Resp: 226805

Ion Ratio Lower Upper

101 100

85 49.3 37.6 56.4

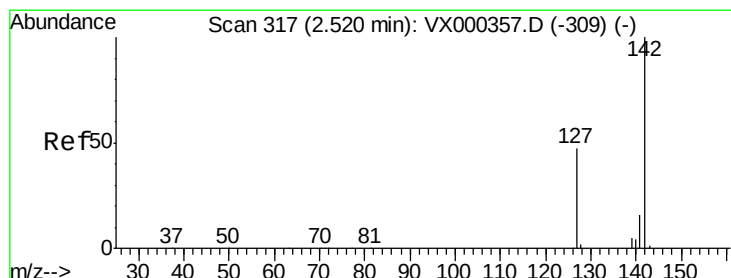
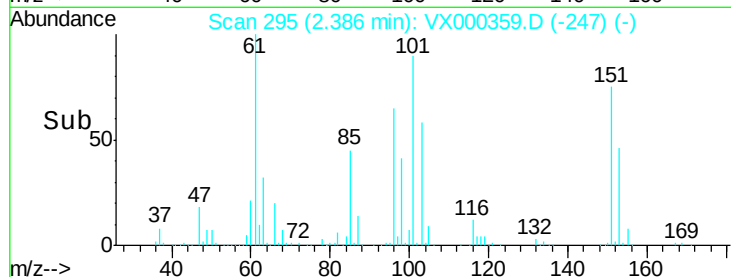
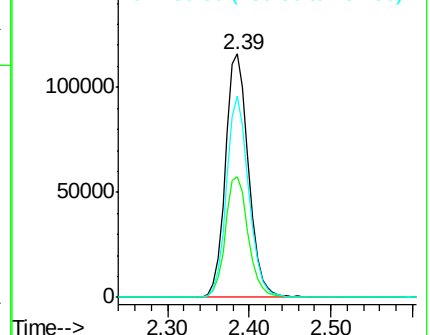
151 79.7 62.6 93.8



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: 169.49 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

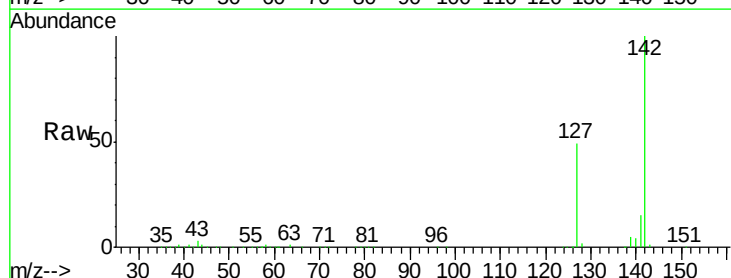
Tgt Ion:142 Resp: 259463

Ion Ratio Lower Upper

142 100

127 49.1 39.2 58.8

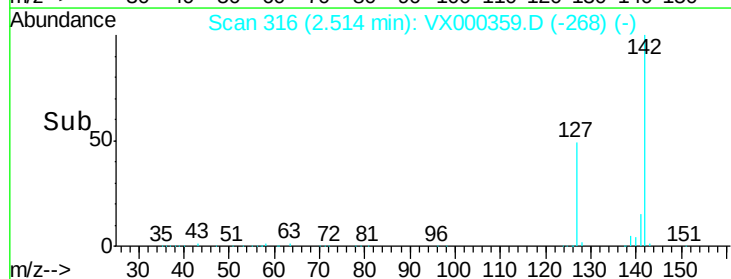
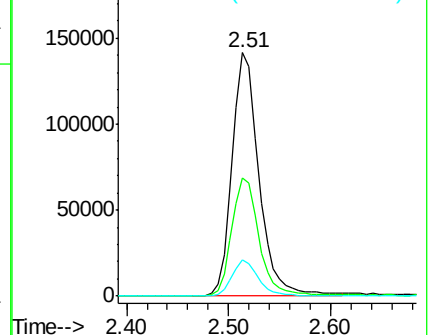
141 14.6 11.7 17.5

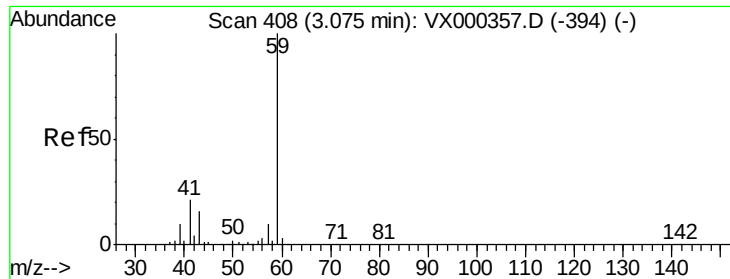


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

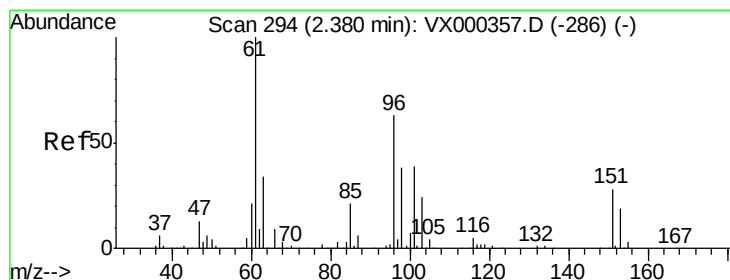
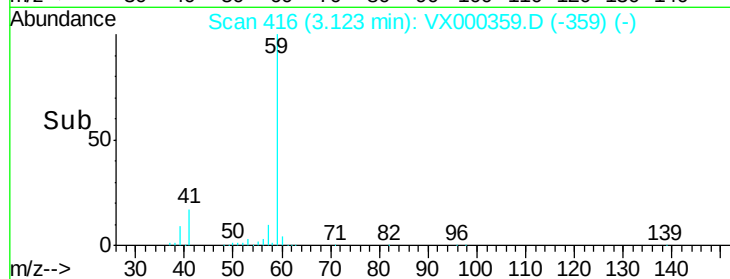
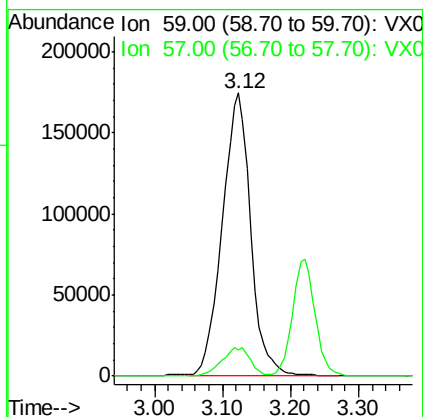
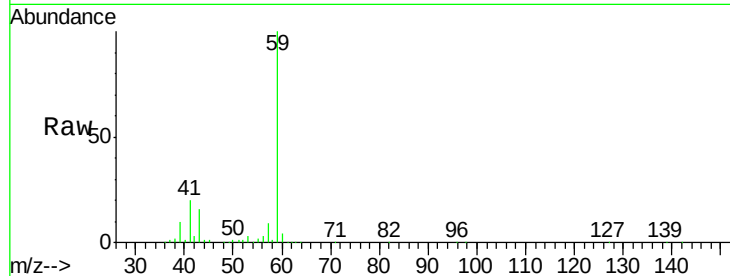




#11
Tert butyl alcohol
Concen: 854.13 ug/l
RT: 3.12 min Scan# 416
Delta R.T. 0.05 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

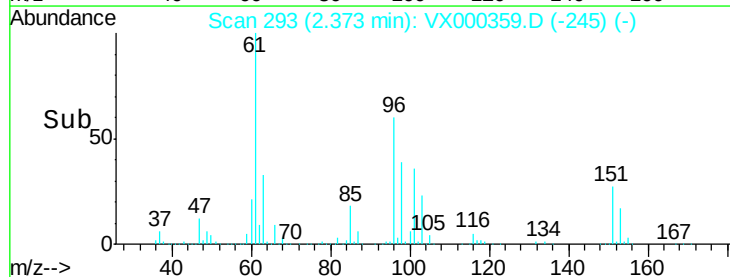
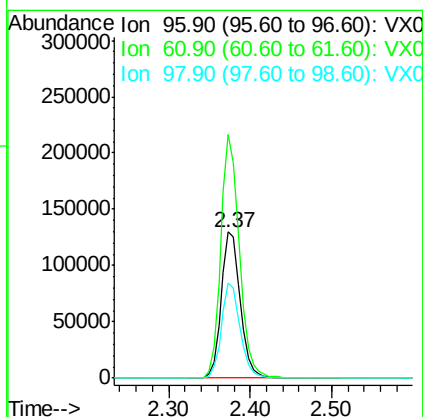
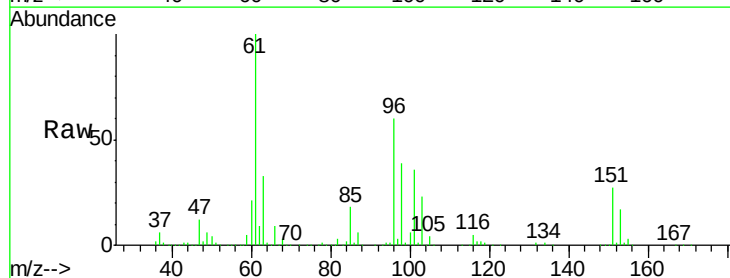
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

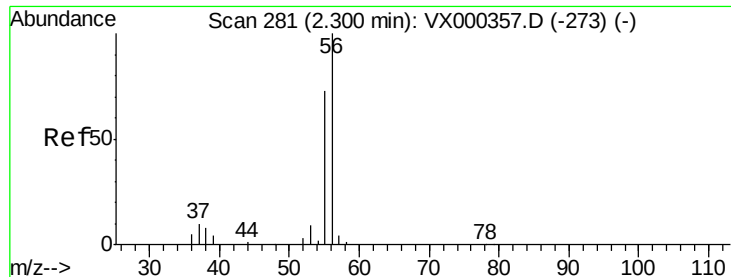
Tgt Ion: 59 Resp: 503589
Ion Ratio Lower Upper
59 100
57 10.1 8.4 12.6



#12
1,1-Dichloroethene
Concen: 146.49 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 96 Resp: 210623
Ion Ratio Lower Upper
96 100
61 167.0 131.2 196.8
98 64.8 49.8 74.8





#13

Acrolein

Concen: 602.51 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

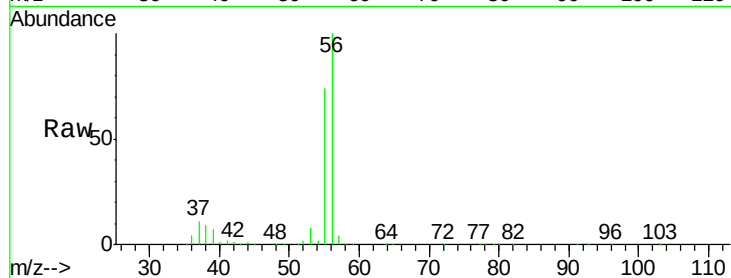
VSTDIC150

Tgt Ion: 56 Resp: 152831

Ion Ratio Lower Upper

56 100

55 72.1 58.8 88.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.31

100000

80000

60000

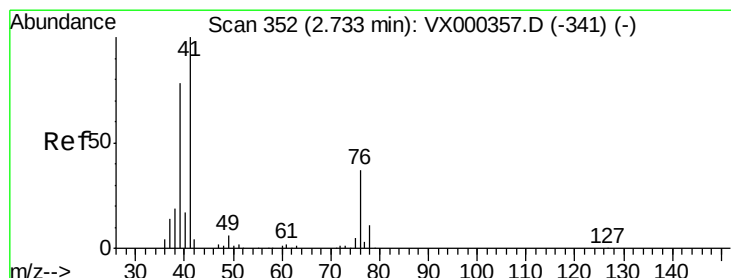
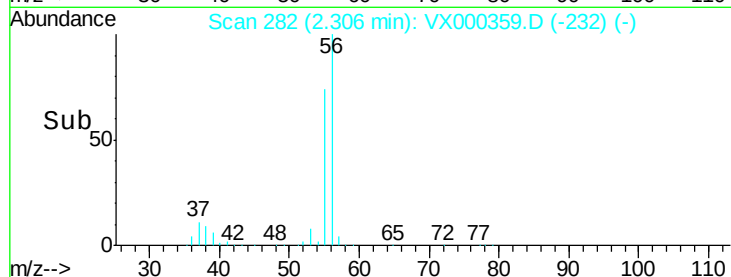
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 150.25 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

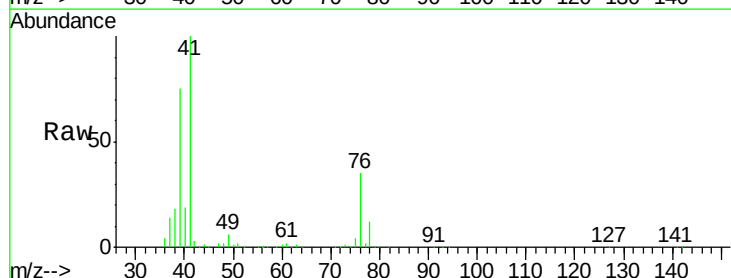
Tgt Ion: 41 Resp: 385238

Ion Ratio Lower Upper

41 100

39 71.1 57.6 86.4

76 33.3 27.3 40.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

250000

200000

150000

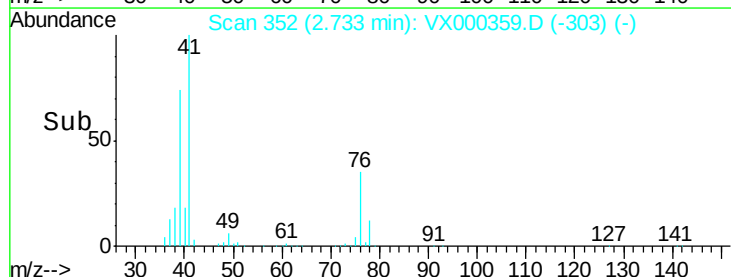
100000

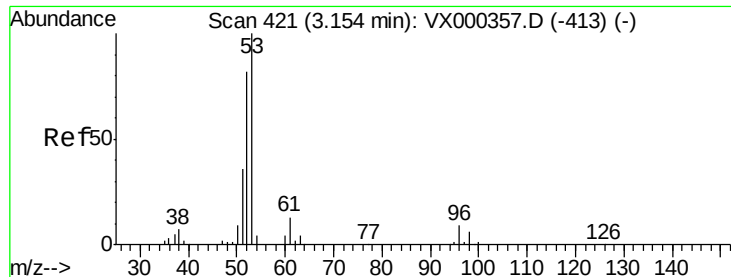
50000

0

Time-->

2.70 2.80





#15

Acrylonitrile

Concen: 823.00 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

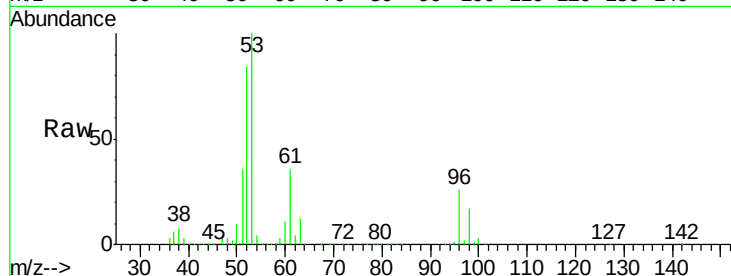
Tgt Ion: 53 Resp: 935599

Ion Ratio Lower Upper

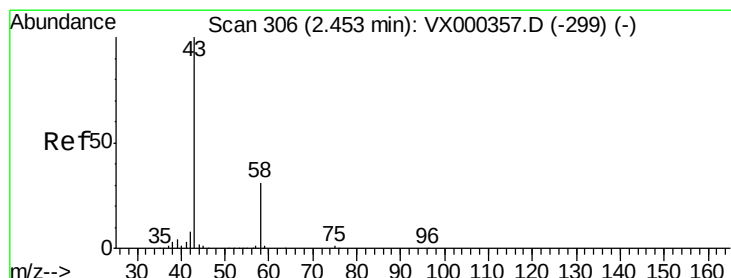
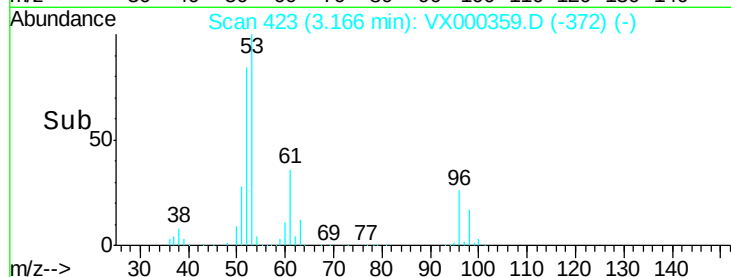
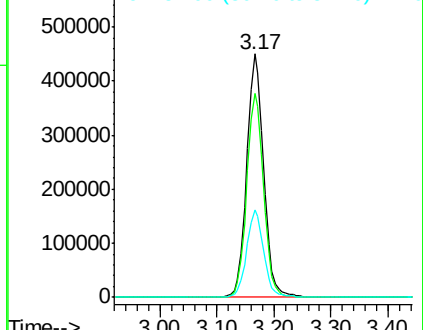
53 100

52 83.6 66.6 99.8

51 36.7 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 881.57 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000359.D

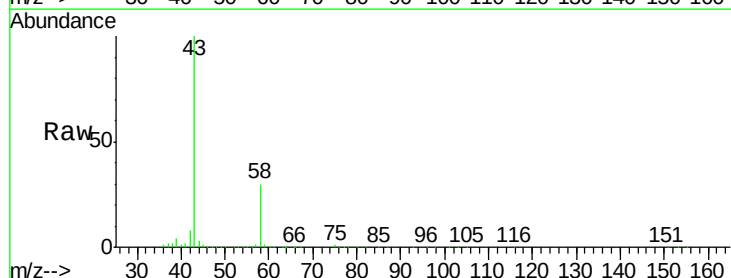
Acq: 20 Mar 2018 12:35

Tgt Ion: 43 Resp: 1072595

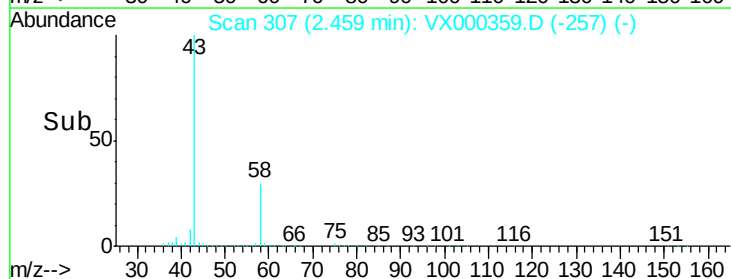
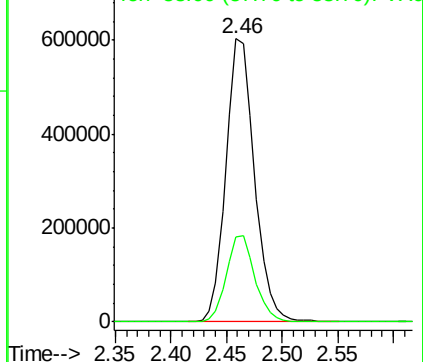
Ion Ratio Lower Upper

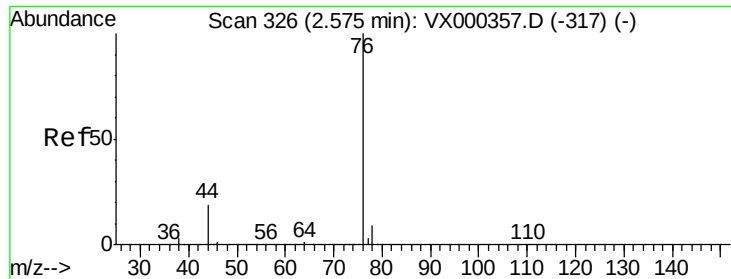
43 100

58 30.1 24.7 37.1



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

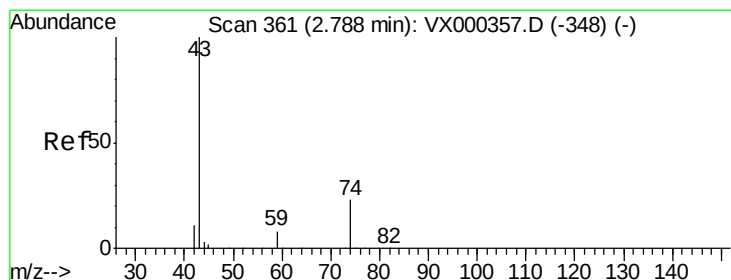
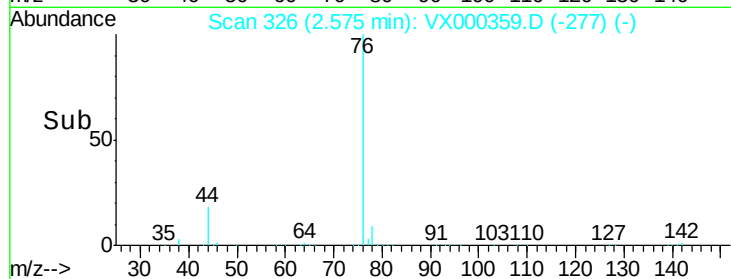
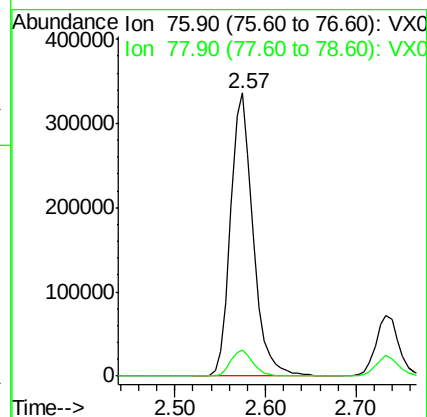
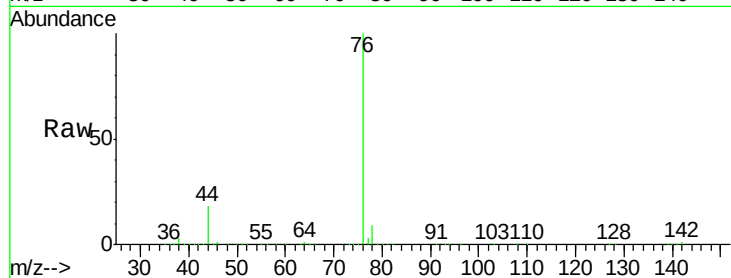




#17
Carbon Disulfide
Concen: 137.67 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

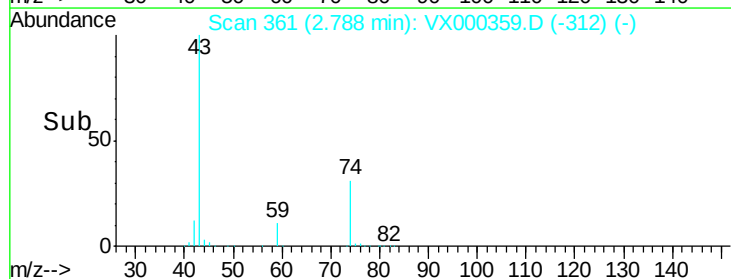
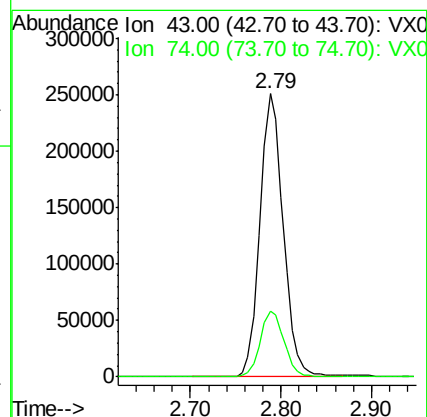
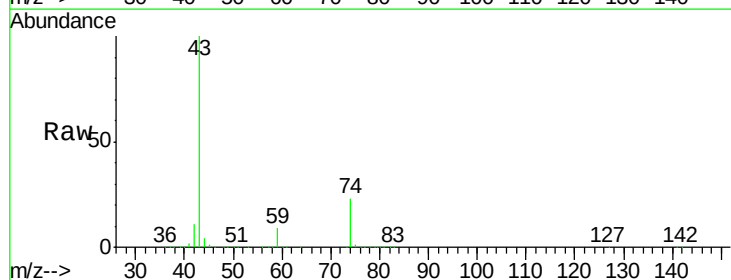
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

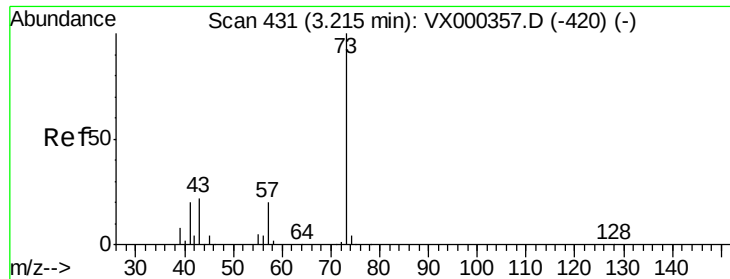
Tgt Ion: 76 Resp: 578265
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 163.56 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 43 Resp: 445329
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2

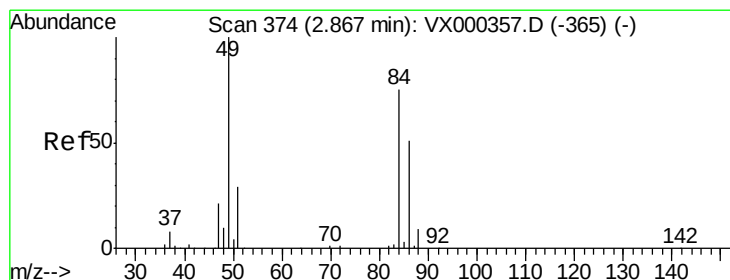
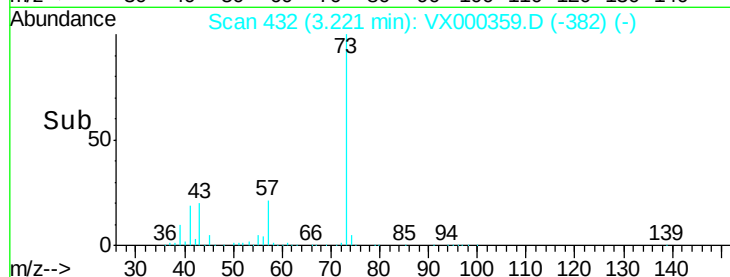
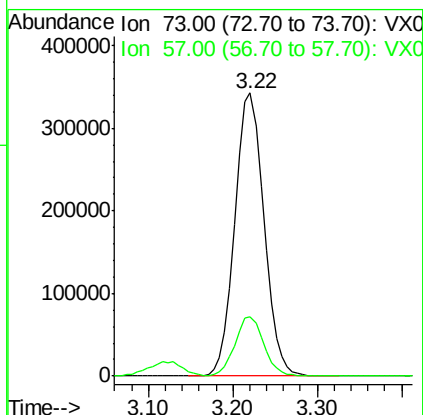
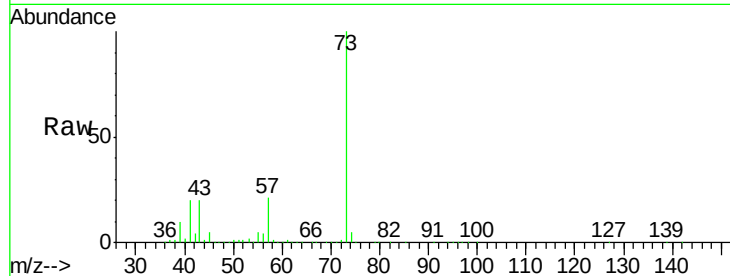




#19
Methyl tert-butyl Ether
Concen: 158.12 ug/l
RT: 3.22 min Scan# 432
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

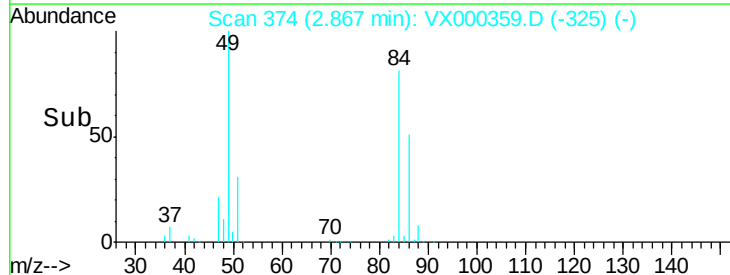
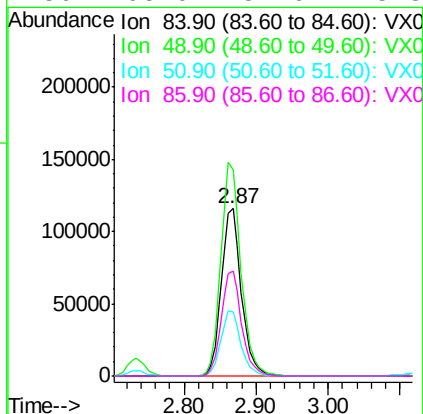
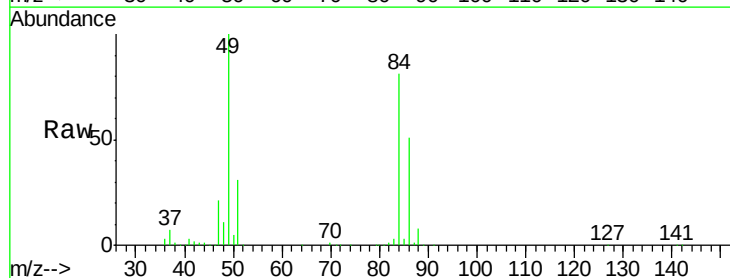
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

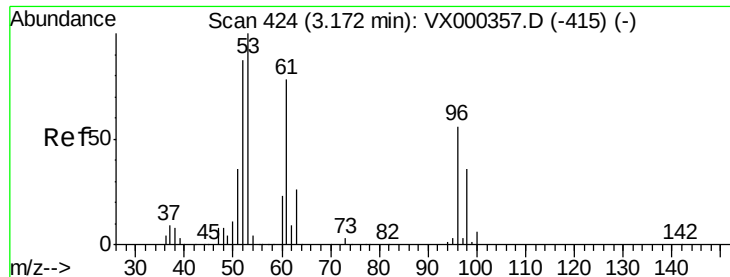
Tgt Ion: 73 Resp: 800386
Ion Ratio Lower Upper
73 100
57 21.0 17.2 25.8



#20
Methylene Chloride
Concen: 142.63 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 84 Resp: 224677
Ion Ratio Lower Upper
84 100
49 123.1 100.6 151.0
51 38.4 31.6 47.4
86 63.0 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 151.60 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

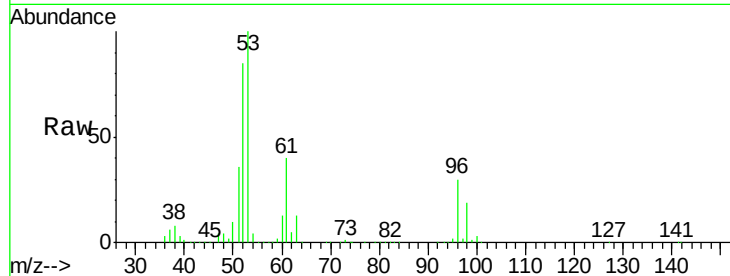
Tgt Ion: 96 Resp: 240991

Ion Ratio Lower Upper

96 100

61 133.7 104.0 156.0

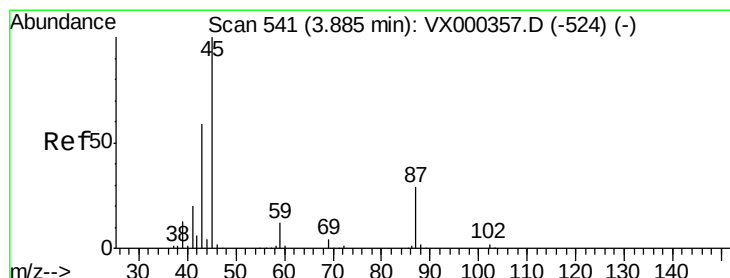
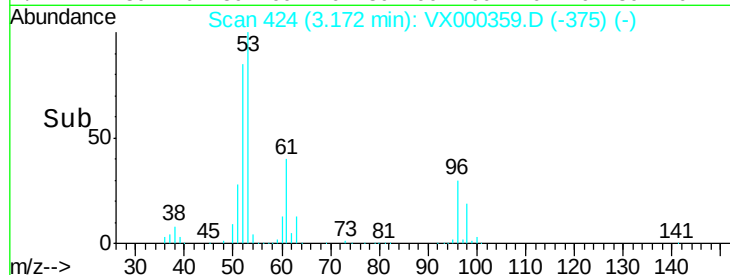
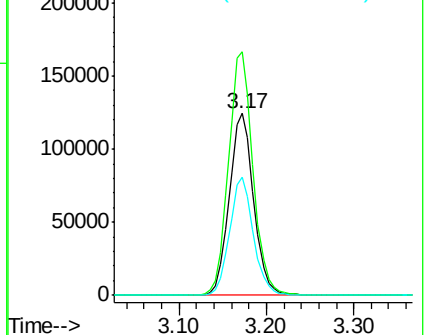
98 65.1 52.1 78.1



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 156.61 ug/l

RT: 3.89 min Scan# 541

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion: 45 Resp: 668289

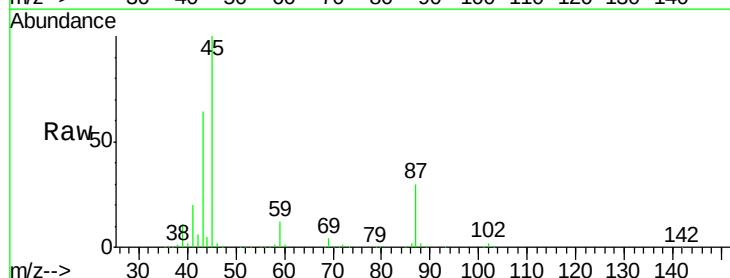
Ion Ratio Lower Upper

45 100

43 64.0 53.9 80.9

87 29.9 22.6 34.0

59 12.1 9.5 14.3

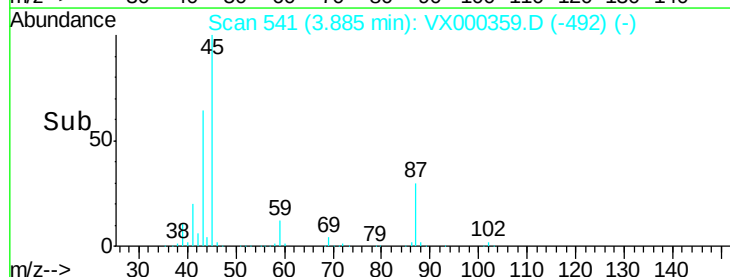
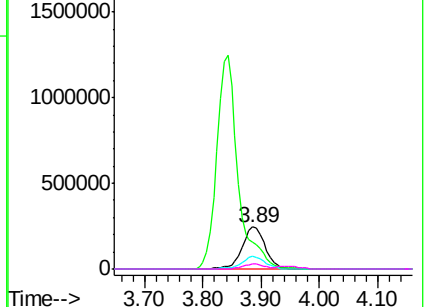


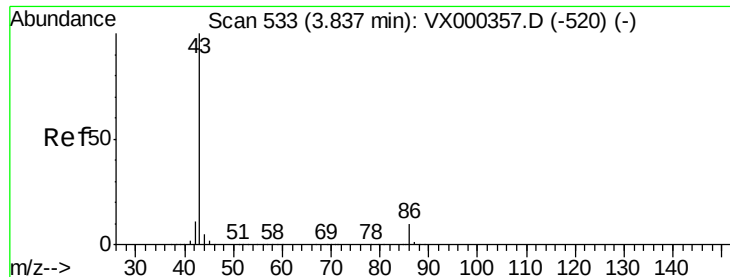
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 776.17 ug/l

RT: 3.84 min Scan# 534

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

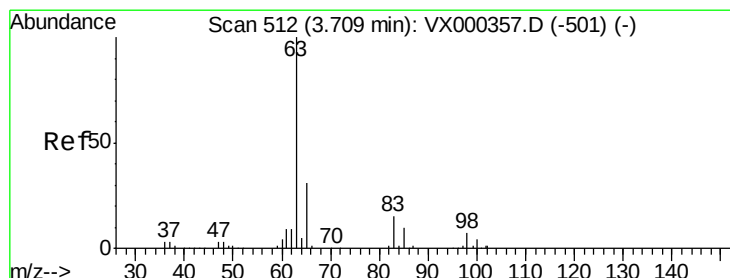
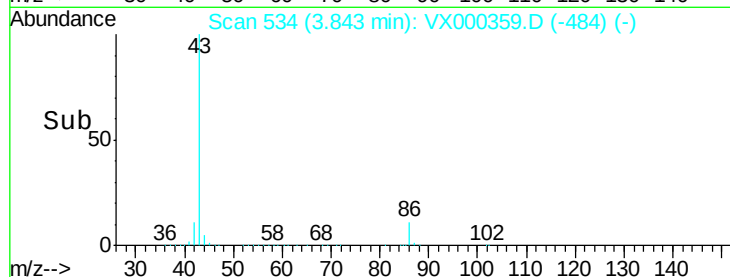
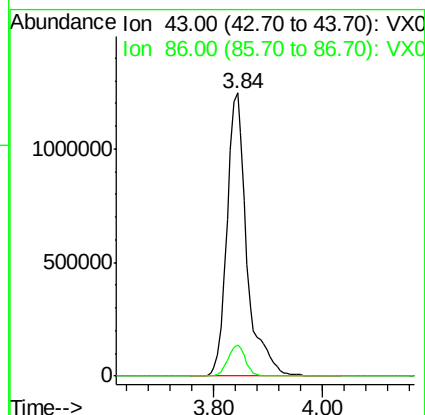
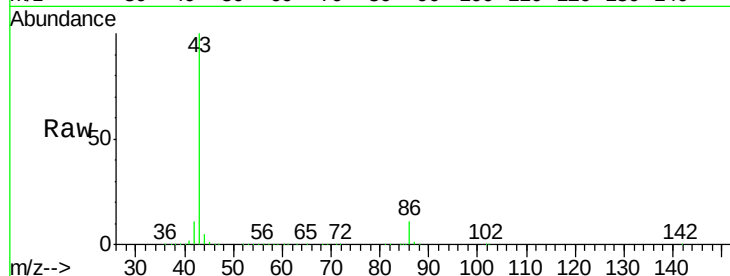
VSTDIC150

Tgt Ion: 43 Resp: 3156991

Ion Ratio Lower Upper

43 100

86 10.9 8.6 12.8



#24

1,1-Dichloroethane

Concen: 139.97 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

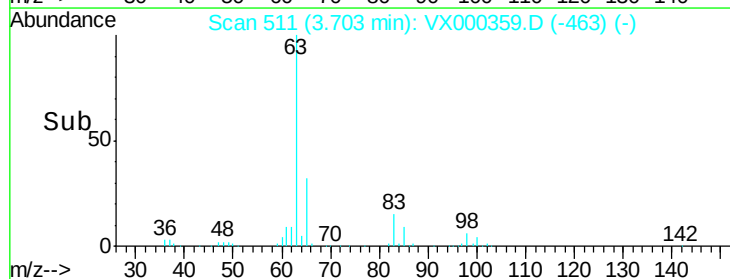
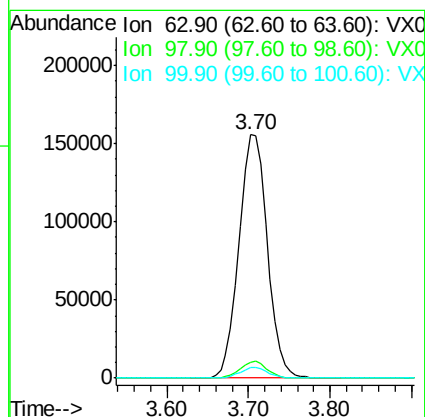
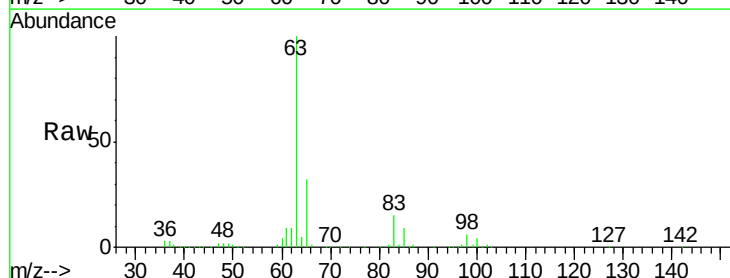
Tgt Ion: 63 Resp: 375752

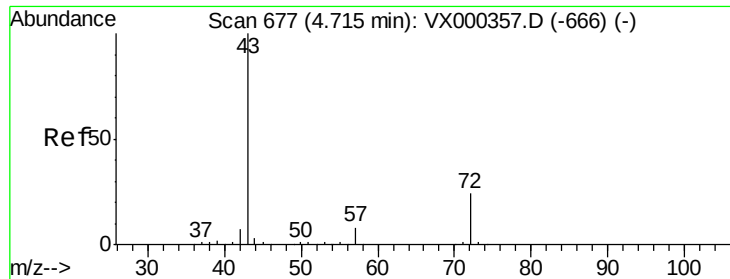
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 874.74 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

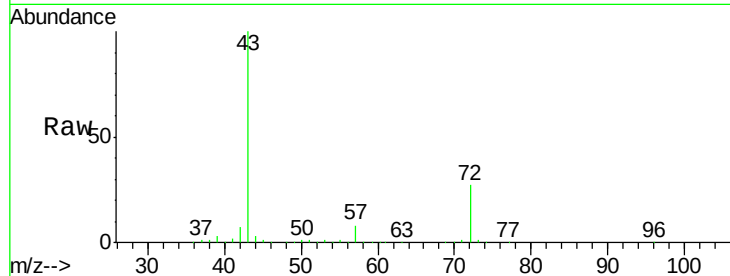
VSTDIC150

Tgt Ion: 43 Resp: 1272043

Ion Ratio Lower Upper

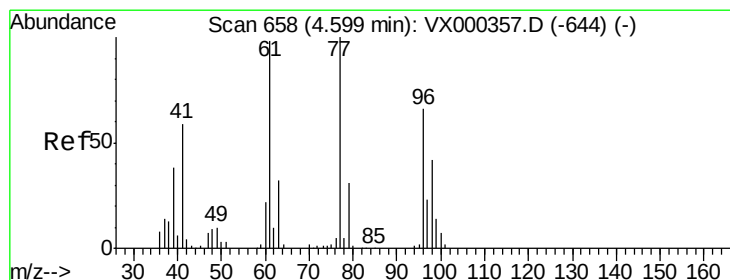
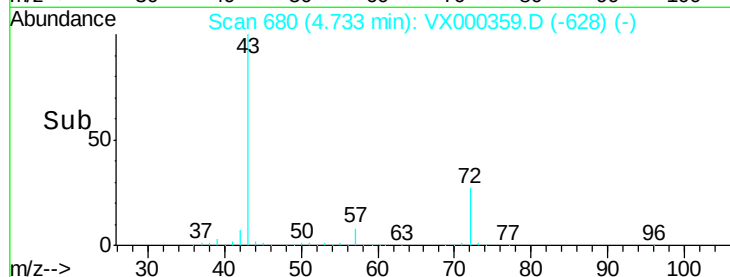
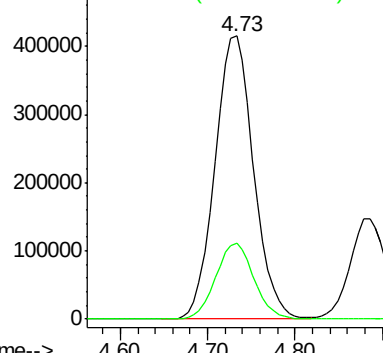
43 100

72 26.7 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 163.21 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX000359.D

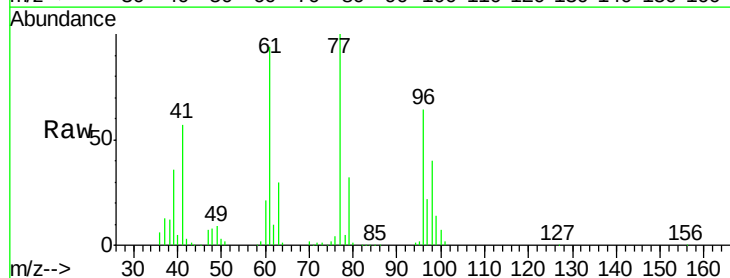
Acq: 20 Mar 2018 12:35

Tgt Ion: 77 Resp: 316256

Ion Ratio Lower Upper

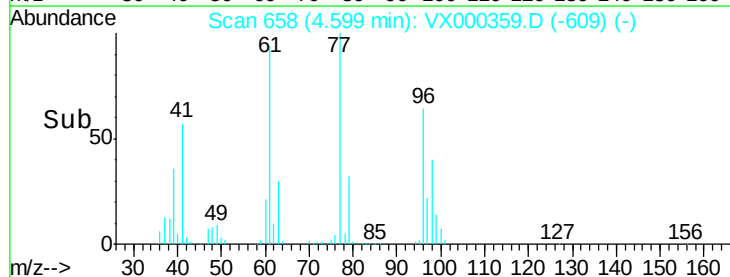
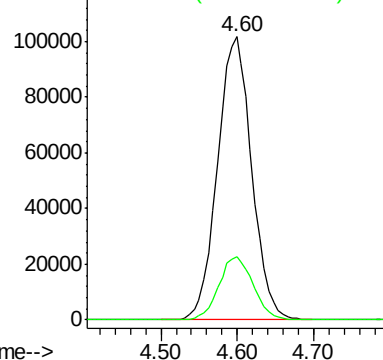
77 100

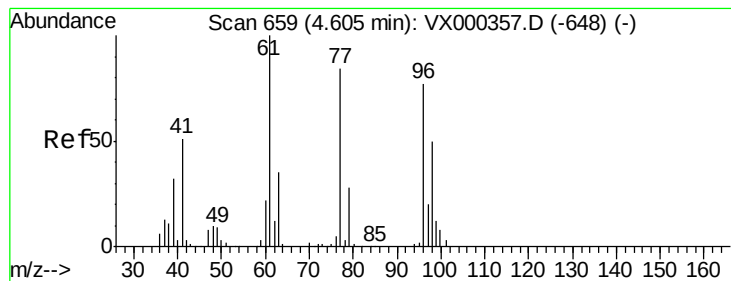
97 22.4 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



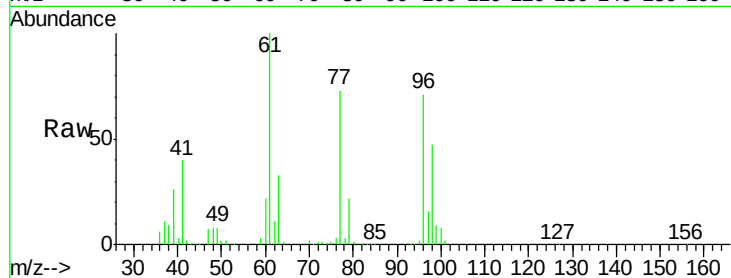


#27

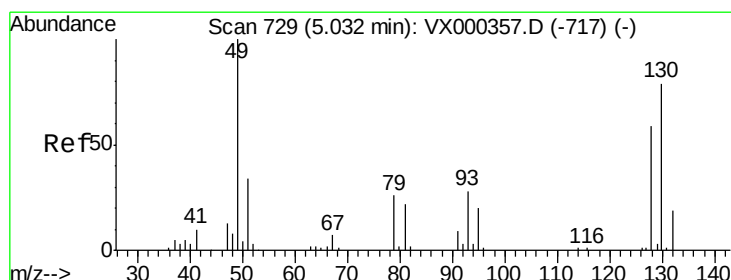
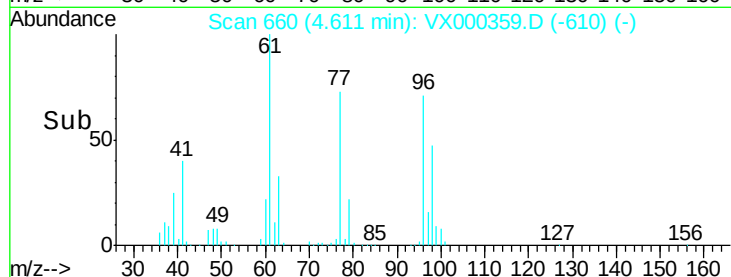
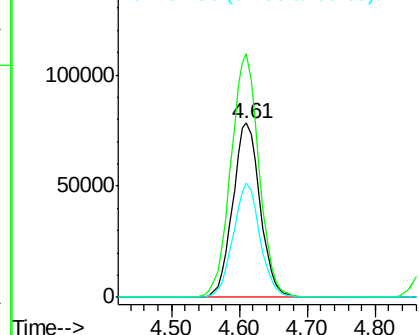
cis-1,2-Dichloroethene
 Concen: 150.07 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	291.6
98	64.4	0.0	132.0



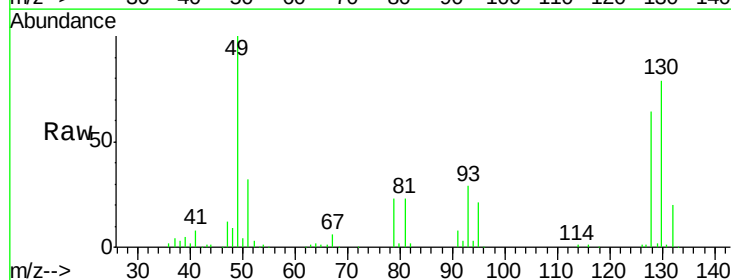
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



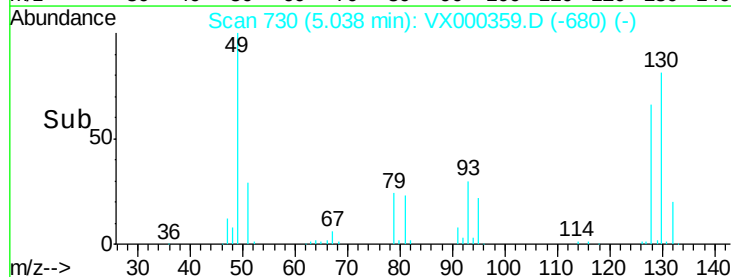
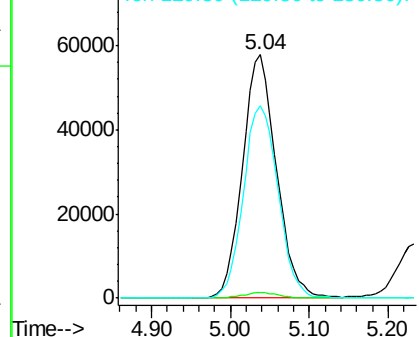
#28

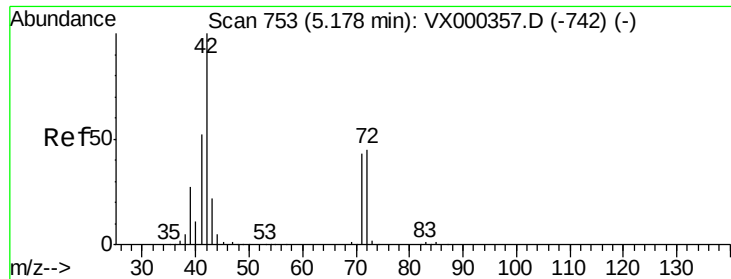
Bromochloromethane
 Concen: 153.26 ug/l
 RT: 5.04 min Scan# 730
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	81.1	64.0	96.0



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 851.66 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

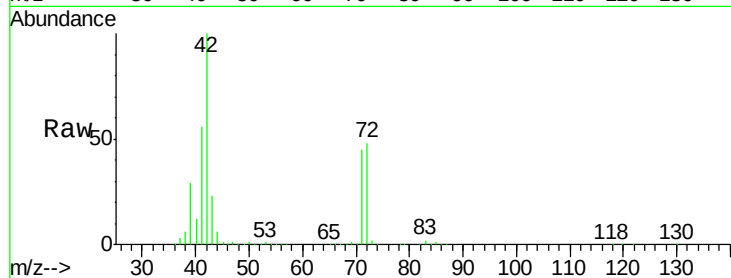
Tgt Ion: 42 Resp: 797119

Ion Ratio Lower Upper

42 100

72 47.5 37.9 56.9

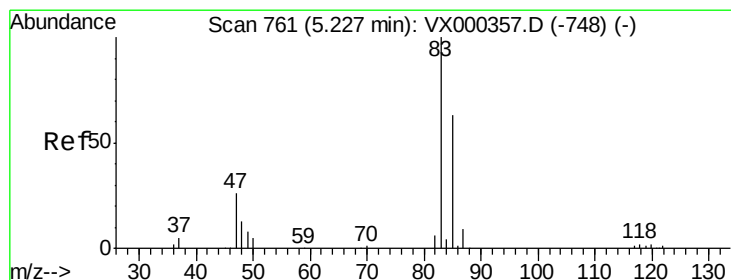
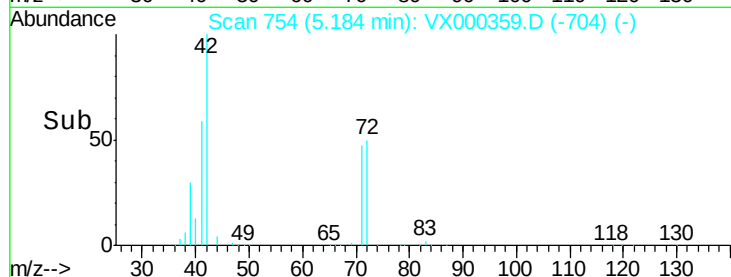
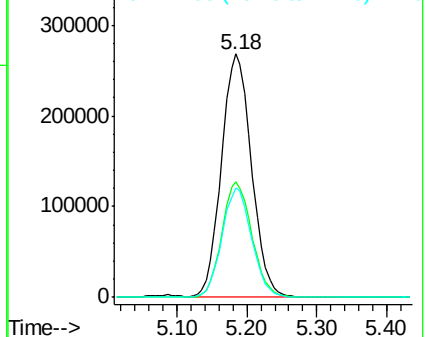
71 44.5 34.4 51.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 165.08 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX000359.D

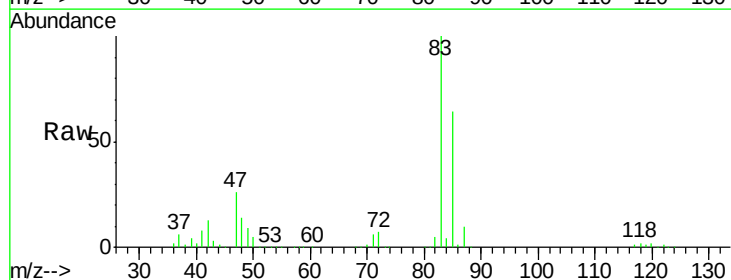
Acq: 20 Mar 2018 12:35

Tgt Ion: 83 Resp: 418410

Ion Ratio Lower Upper

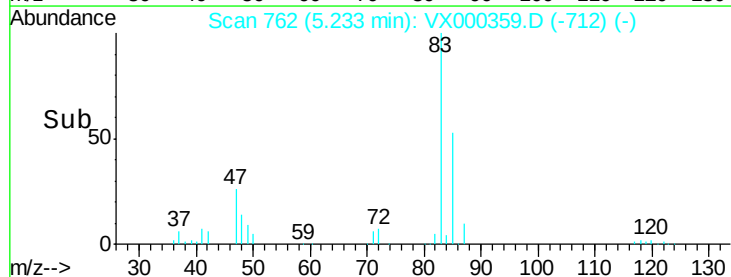
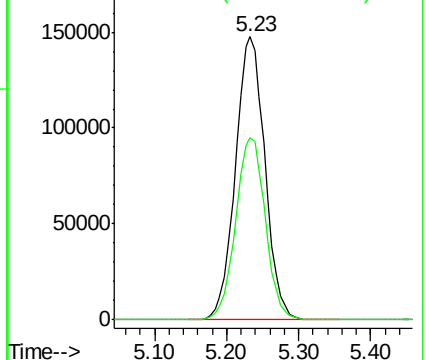
83 100

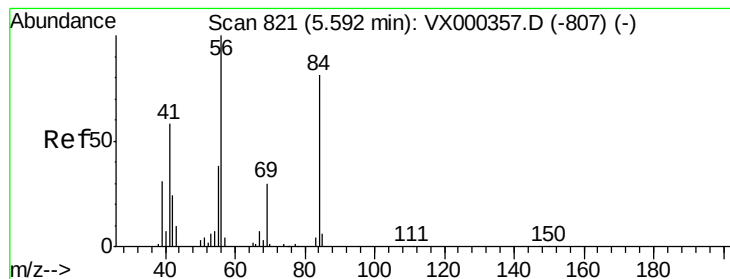
85 64.4 53.3 79.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 151.48 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

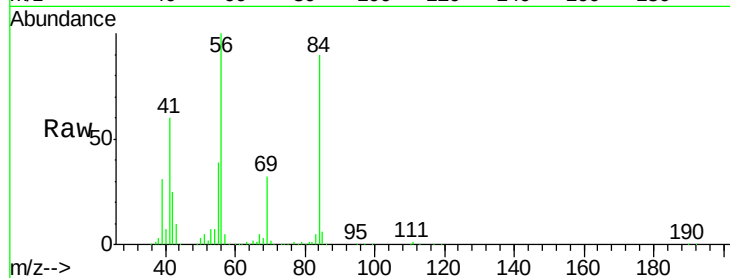
Tgt Ion: 56 Resp: 312023

Ion Ratio Lower Upper

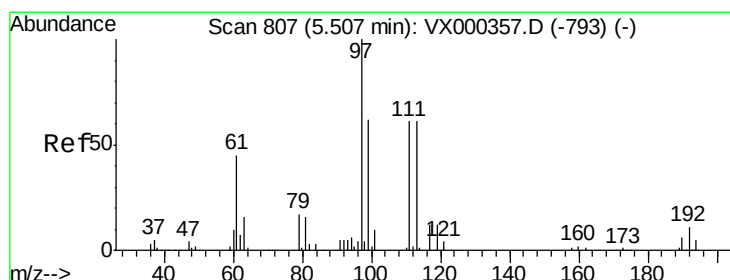
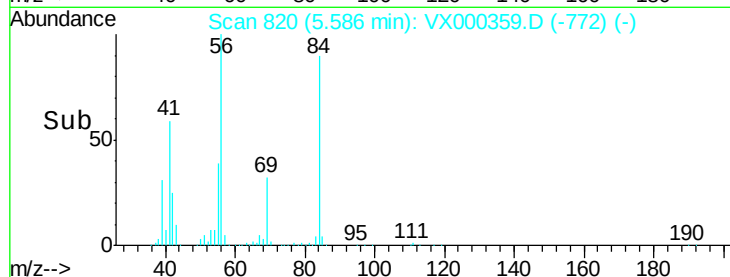
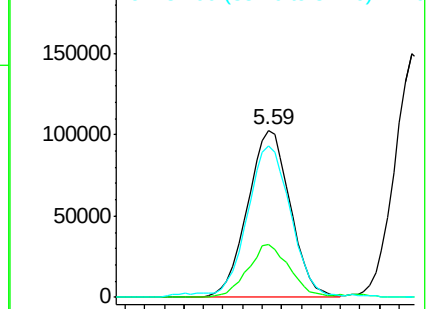
56 100

69 32.0 23.4 35.0

84 89.5 71.0 106.4



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



#32

1,1,1-Trichloroethane

Concen: 165.21 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

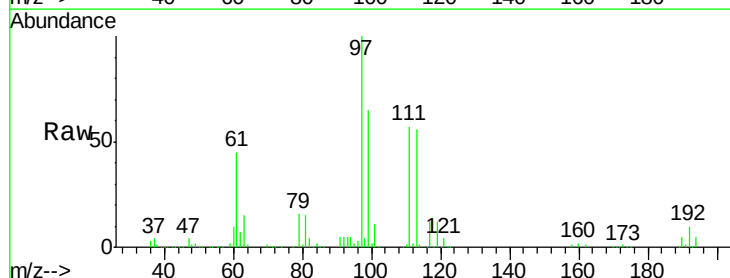
Tgt Ion: 97 Resp: 370066

Ion Ratio Lower Upper

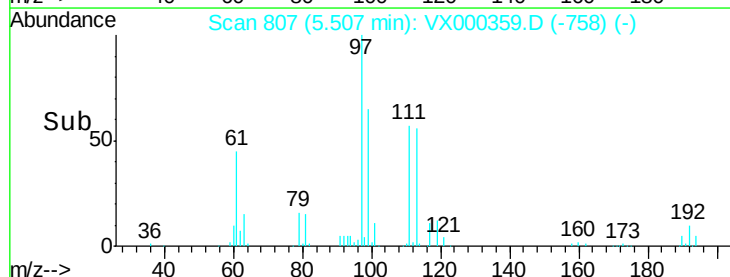
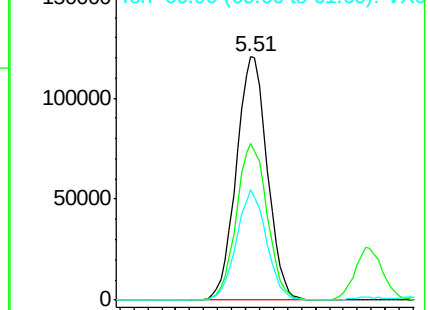
97 100

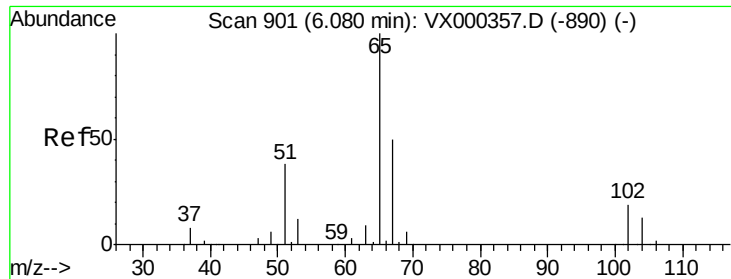
99 64.1 52.1 78.1

61 43.8 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

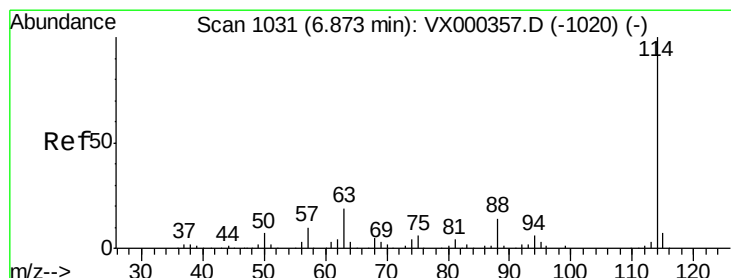
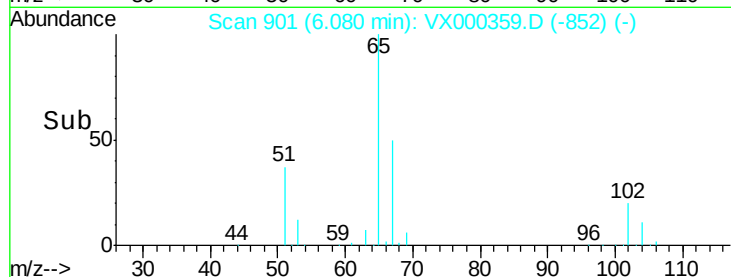
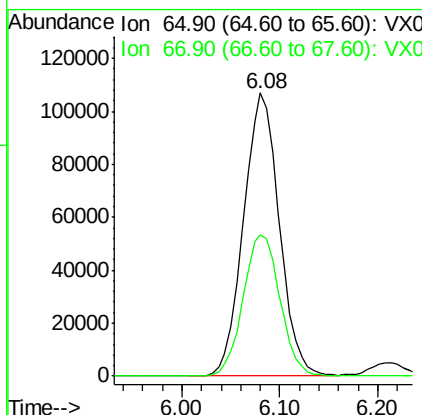
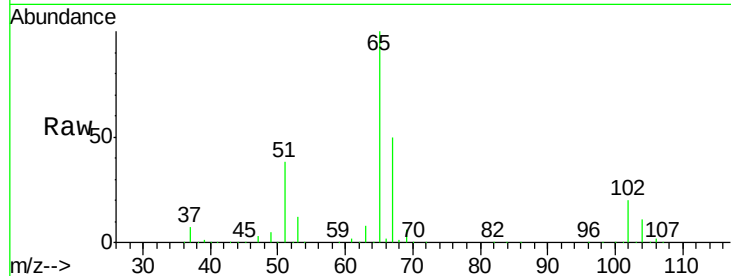




#33
 1,2-Dichloroethane-d4
 Concen: 149.51 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

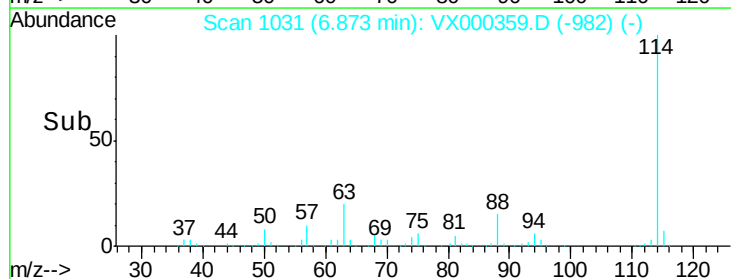
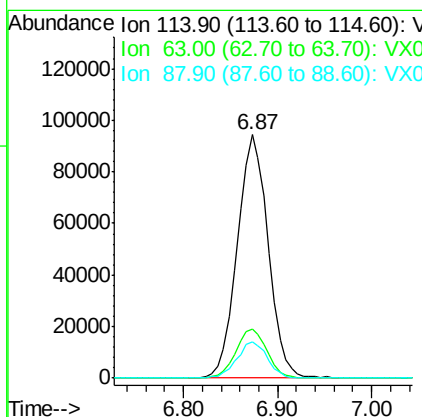
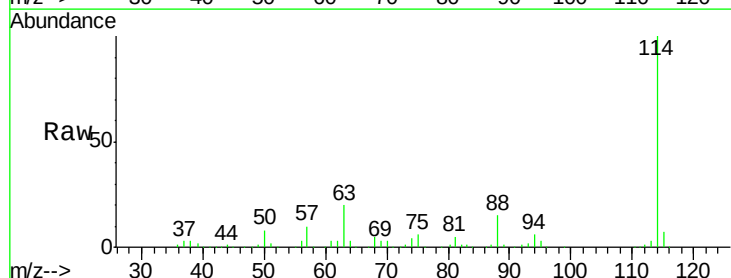
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

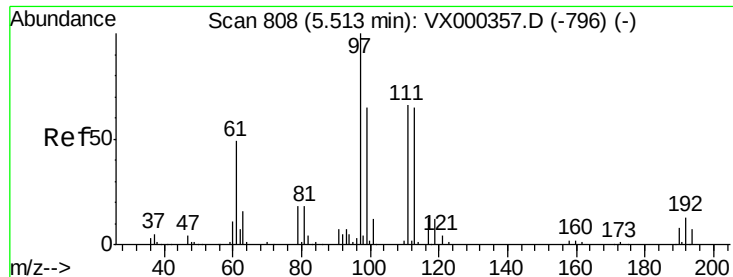
Tgt Ion: 65 Resp: 272434
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion: 114 Resp: 216194
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 14.8 0.0 27.0

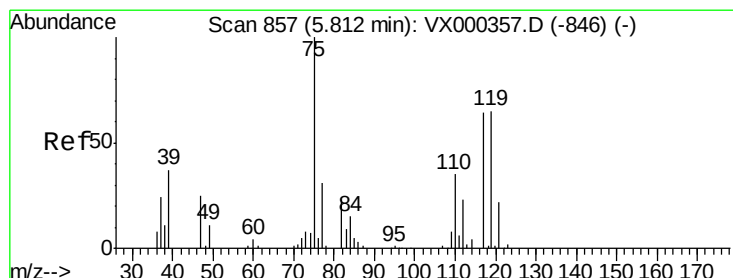
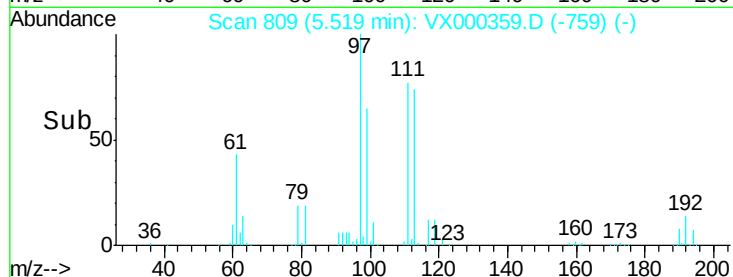
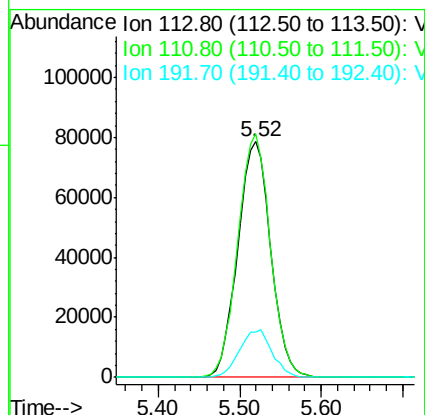
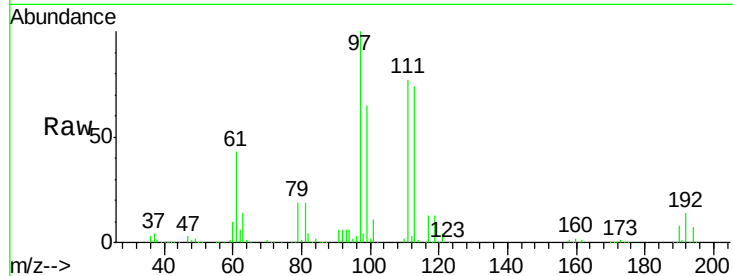




#35
 Dibromofluoromethane
 Concen: 161.12 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

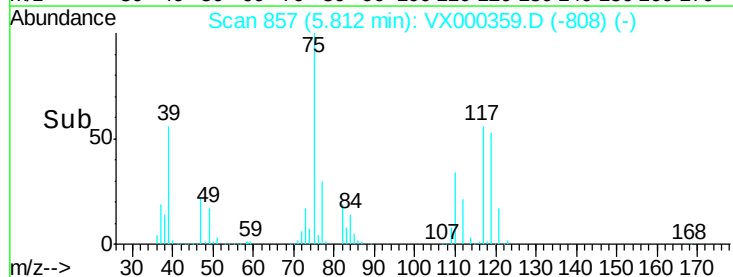
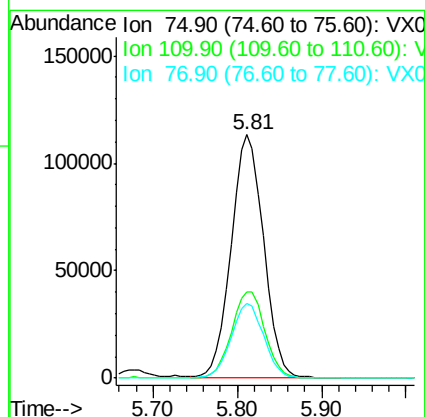
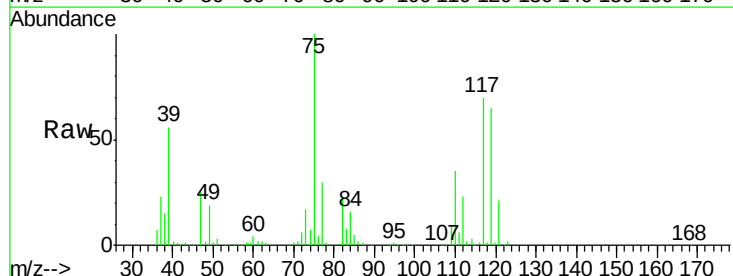
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

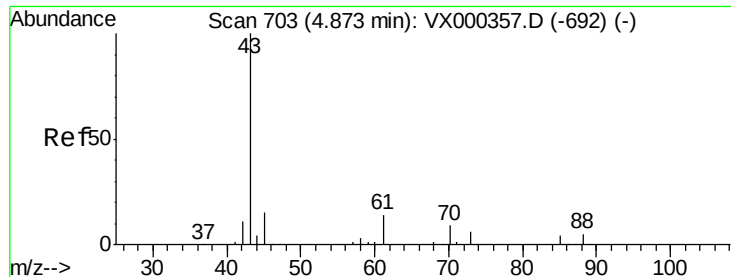
Tgt Ion:113 Resp: 219775
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.4 123.6
 192 20.0 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 149.95 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion: 75 Resp: 294566
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.9 53.7
 77 31.0 24.0 36.0





#37

Ethyl Acetate

Concen: 164.30 ug/l

RT: 4.88 min Scan# 704

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

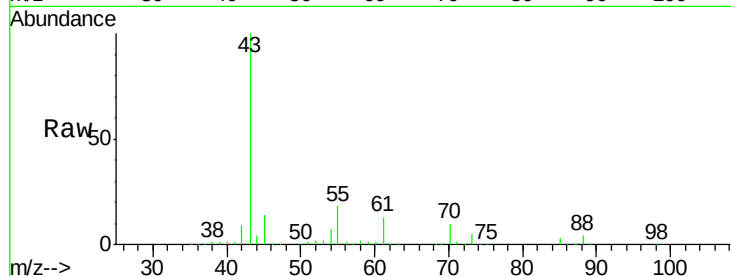
Tgt Ion: 43 Resp: 428937

Ion Ratio Lower Upper

43 100

61 14.0 11.1 16.7

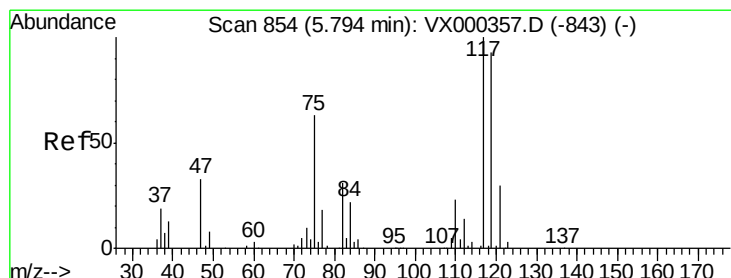
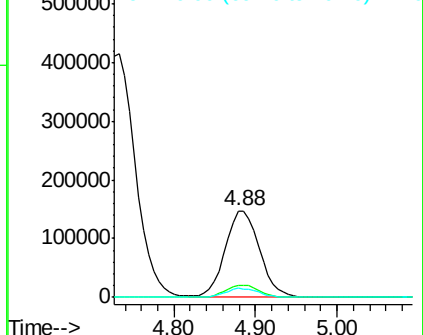
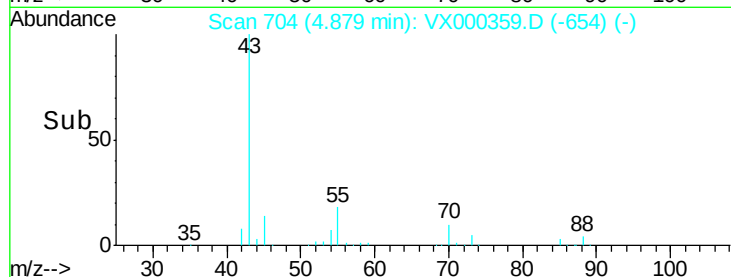
70 10.0 7.7 11.5



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: 164.21 ug/l

RT: 5.79 min Scan# 854

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

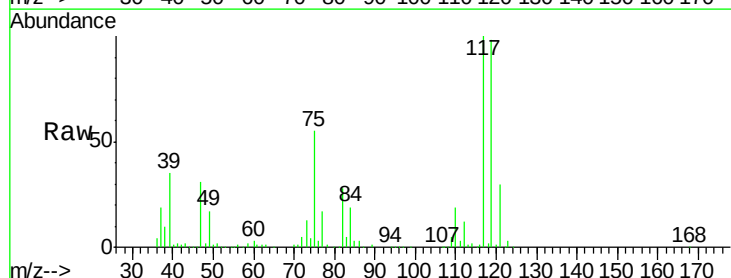
Tgt Ion: 117 Resp: 325202

Ion Ratio Lower Upper

117 100

119 97.7 77.4 116.2

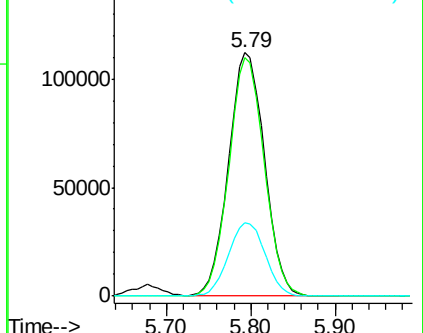
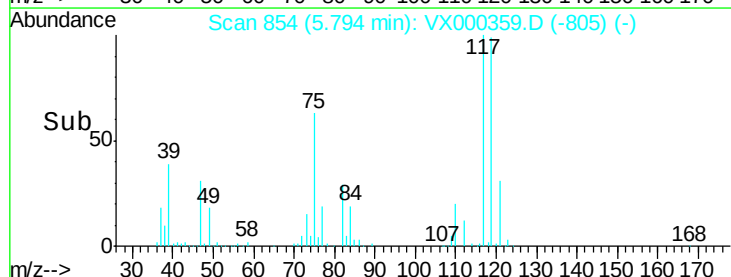
121 30.4 24.8 37.2

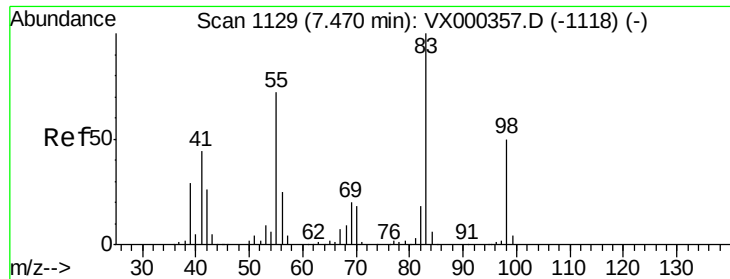


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

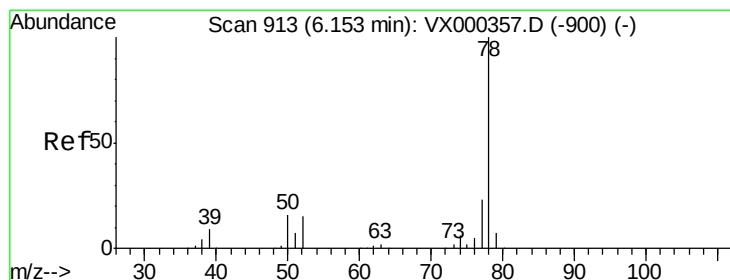
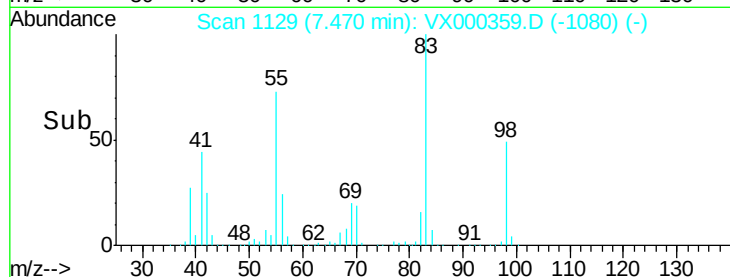
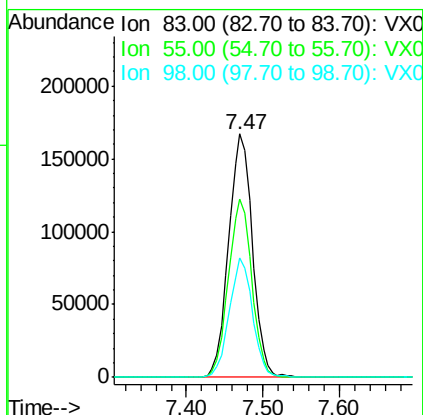
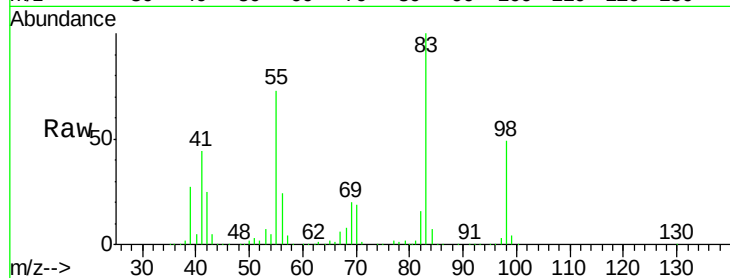




#39
Methylcyclohexane
Concen: 157.18 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

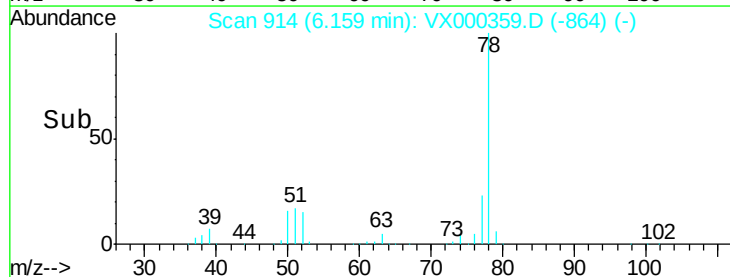
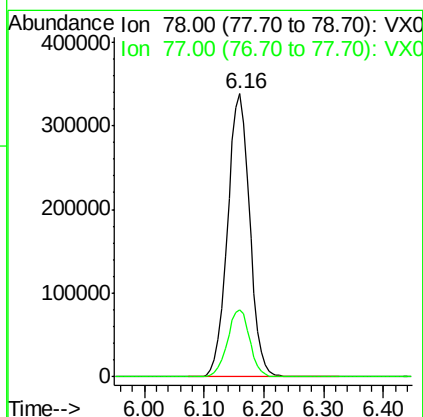
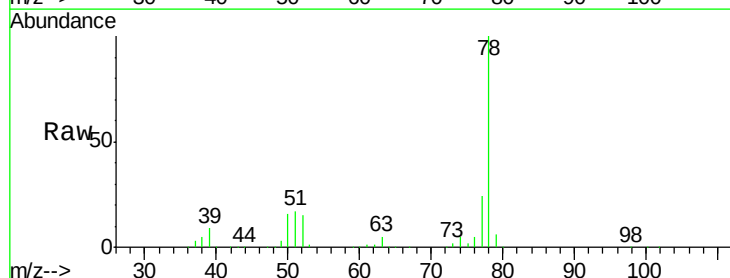
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

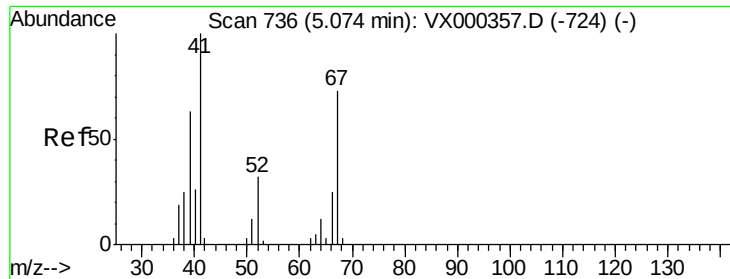
Tgt Ion: 83 Resp: 360129
Ion Ratio Lower Upper
83 100
55 73.2 55.5 83.3
98 48.9 38.2 57.4



#40
Benzene
Concen: 156.37 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 78 Resp: 871452
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

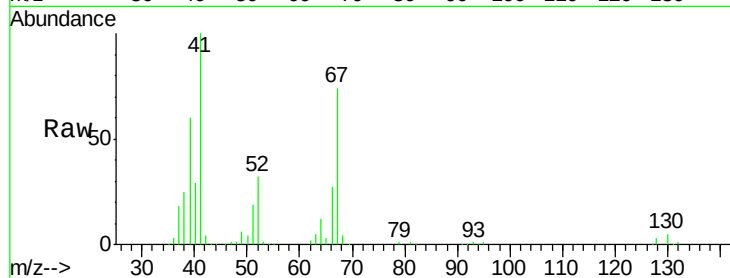




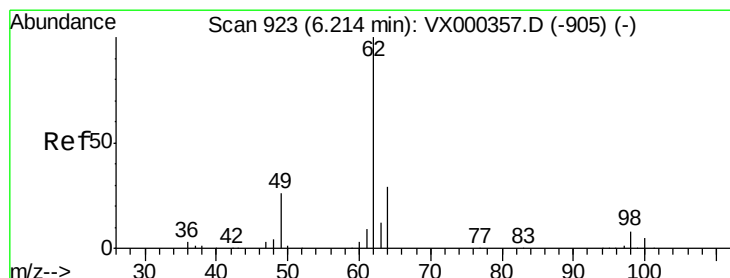
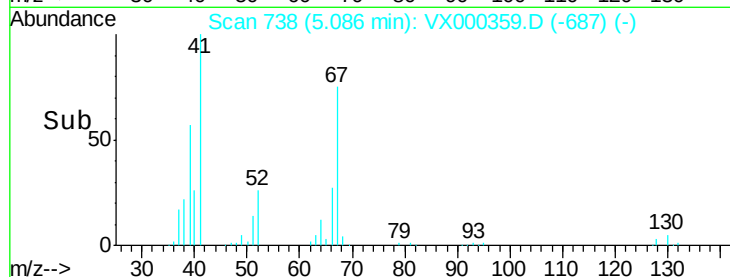
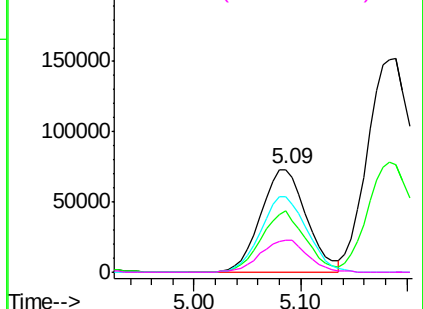
#41
Methacrylonitrile
Concen: 160.76 ug/l
RT: 5.09 min Scan# 738
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	220372
Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.7	68.5
67	74.1	57.8	86.8
52	32.3	26.7	40.1

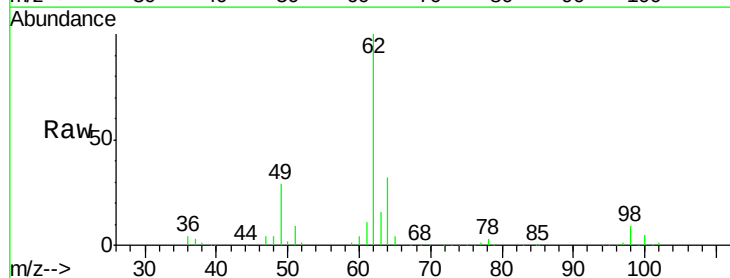


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

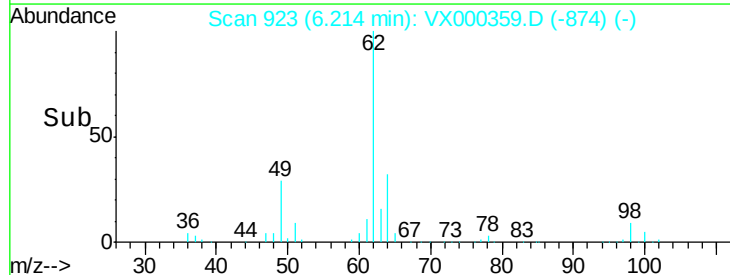
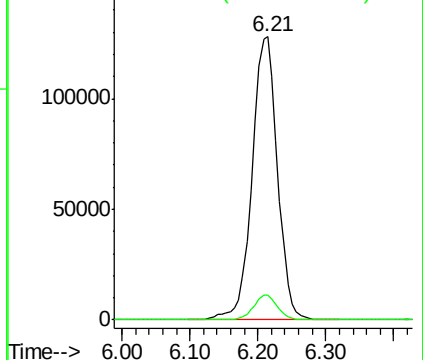


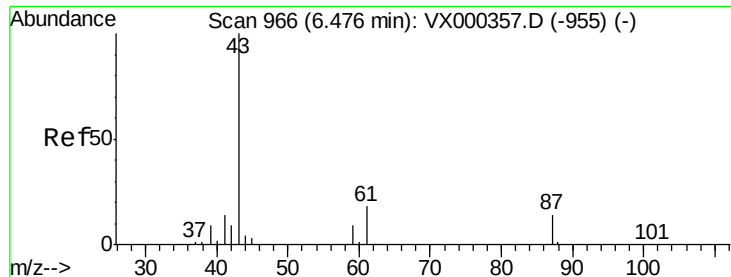
#42
1,2-Dichloroethane
Concen: 150.55 ug/l
RT: 6.21 min Scan# 923
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion:	62	Resp:	332553
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 172.73 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

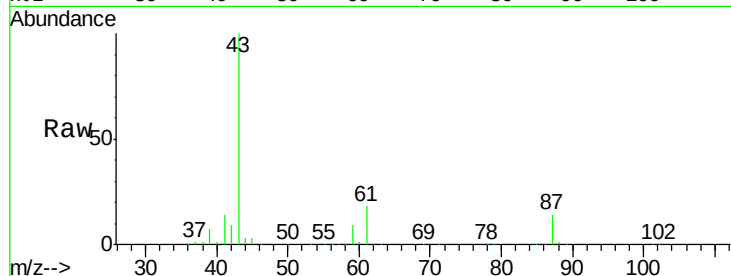
Tgt Ion: 43 Resp: 650876

Ion Ratio Lower Upper

43 100

61 18.7 14.4 21.6

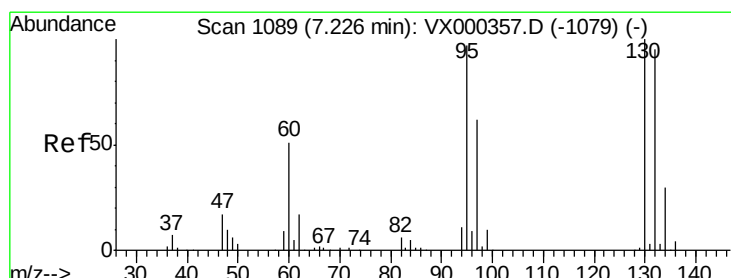
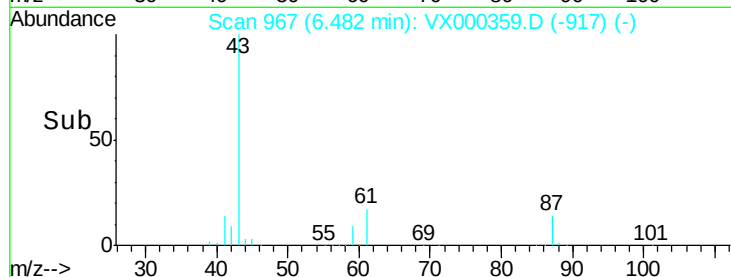
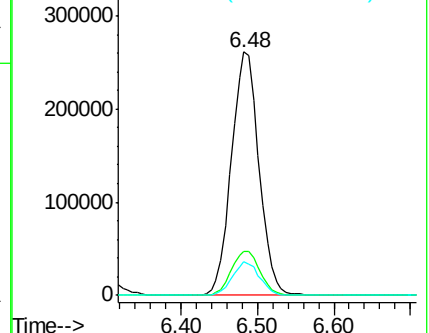
87 13.5 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 148.49 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VX000359.D

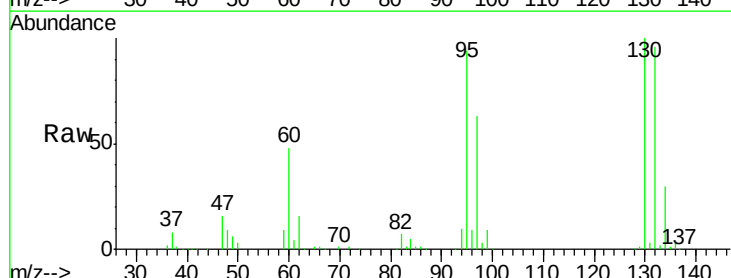
Acq: 20 Mar 2018 12:35

Tgt Ion:130 Resp: 239787

Ion Ratio Lower Upper

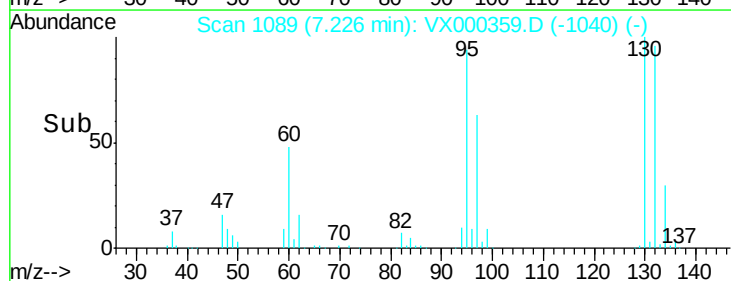
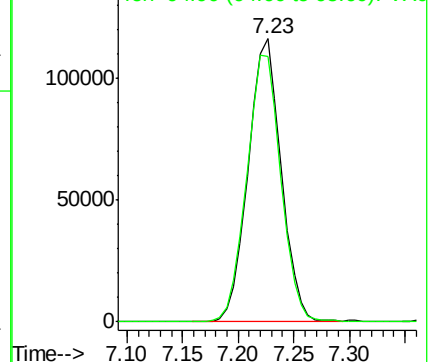
130 100

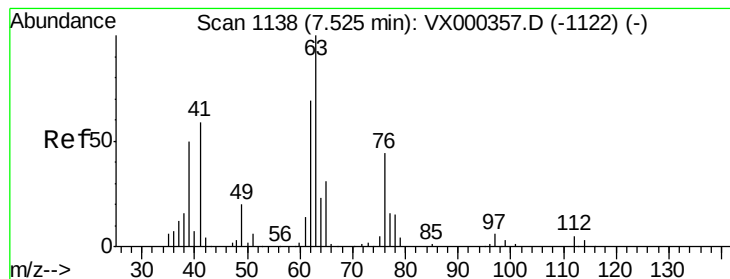
95 93.9 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 162.65 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

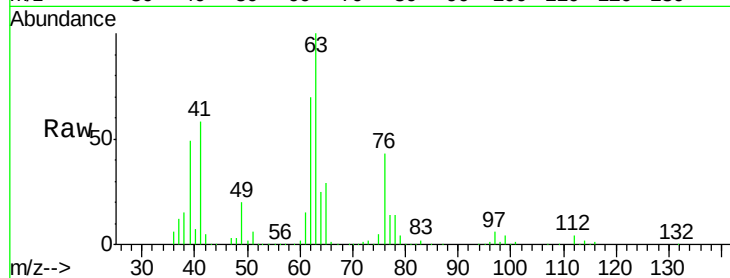
VSTDIC150

Tgt Ion: 63 Resp: 223546

Ion Ratio Lower Upper

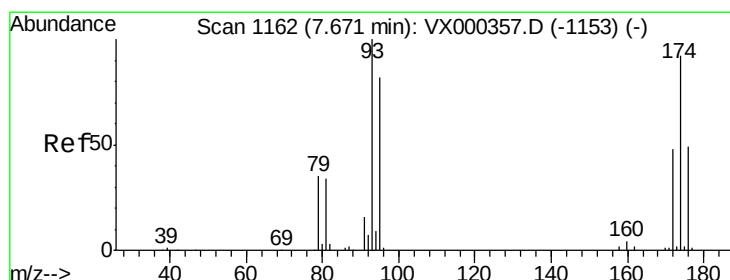
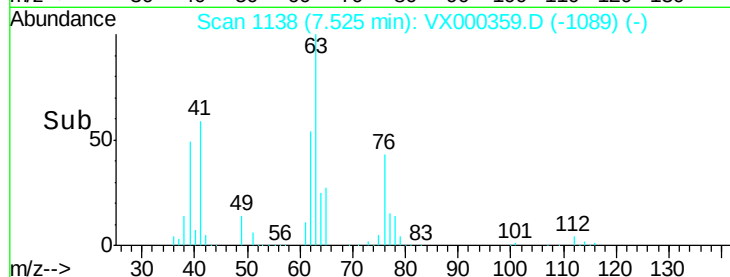
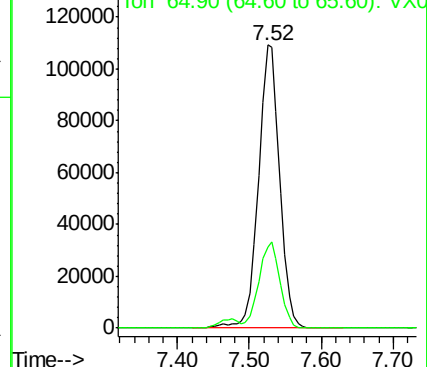
63 100

65 28.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 154.68 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

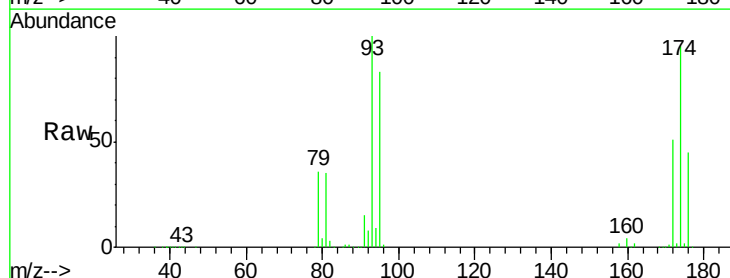
Tgt Ion: 93 Resp: 170787

Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

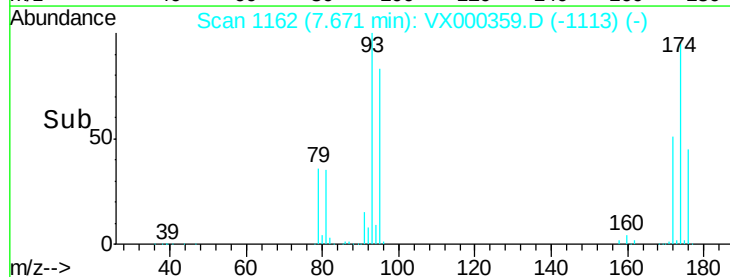
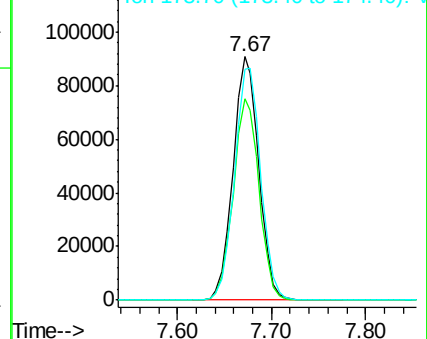
174 97.6 76.0 114.0

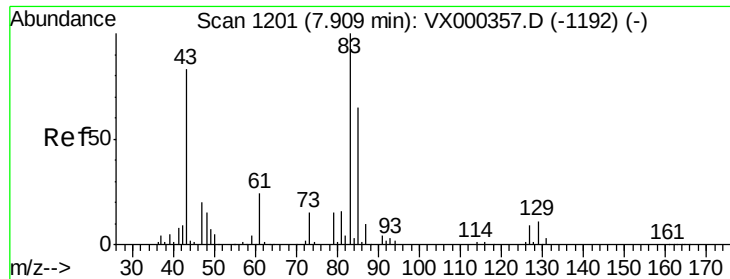


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 172.36 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

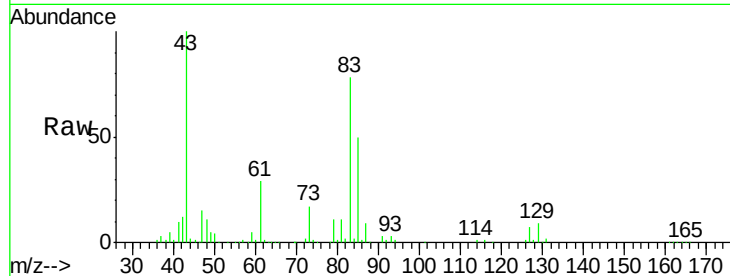
Tgt Ion: 83 Resp: 337830

Ion Ratio Lower Upper

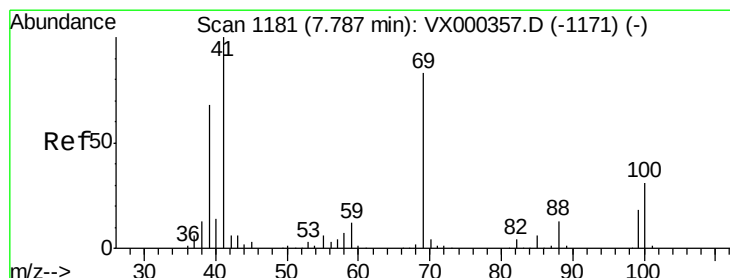
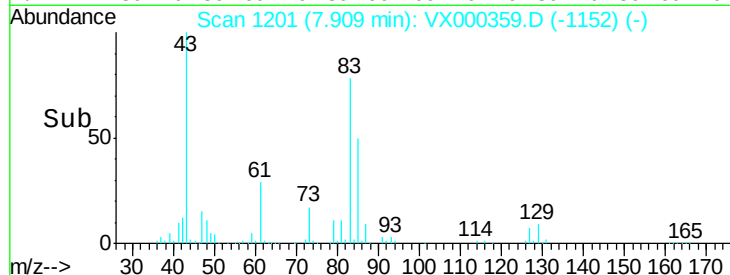
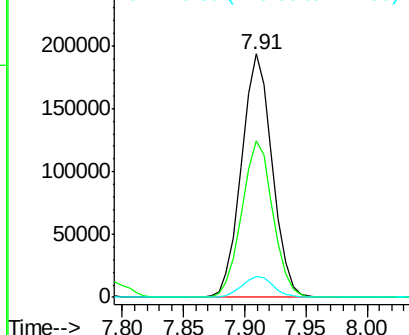
83 100

85 64.2 51.4 77.0

127 8.7 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 165.19 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

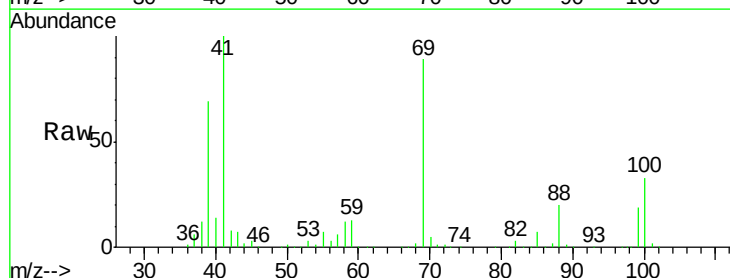
Tgt Ion: 41 Resp: 314729

Ion Ratio Lower Upper

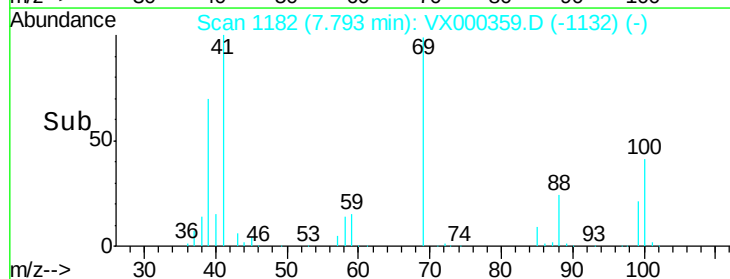
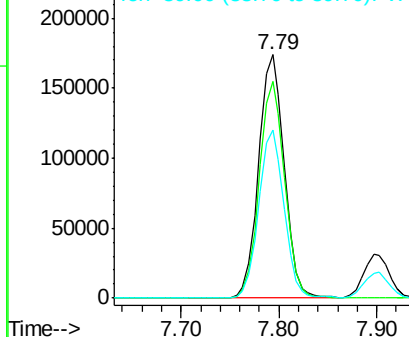
41 100

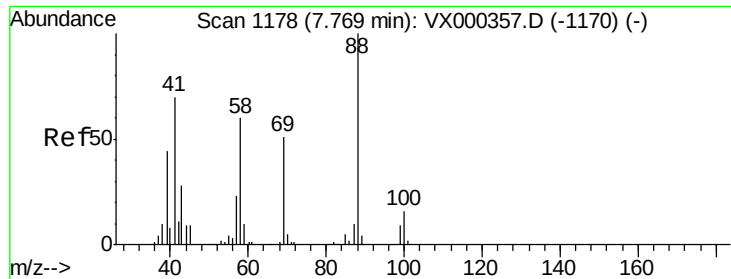
69 88.4 68.2 102.4

39 68.4 54.6 81.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

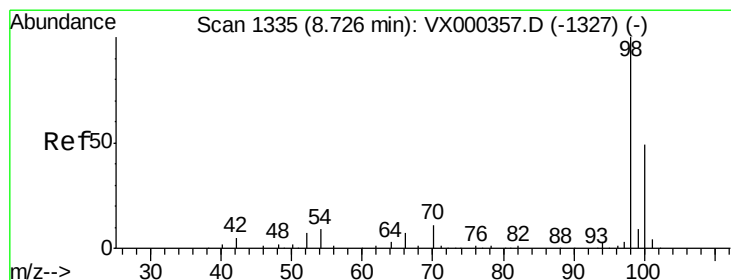
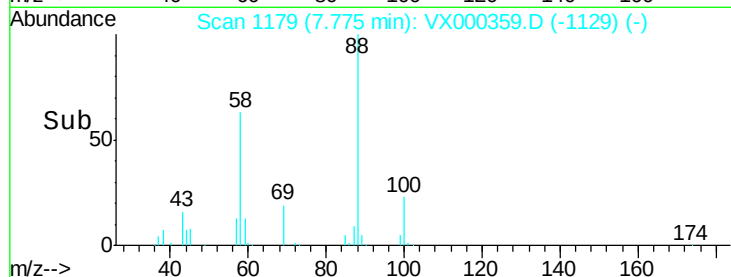
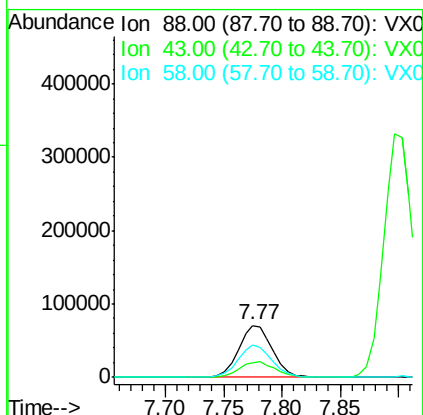
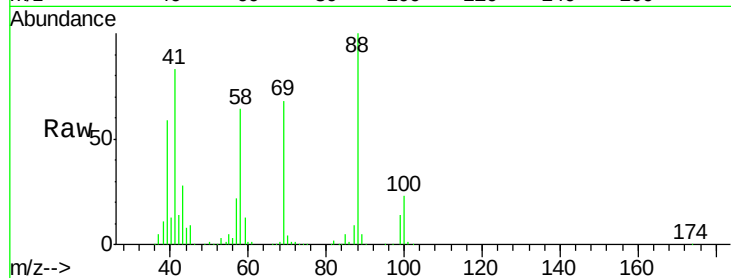




#49
1,4-Dioxane
Concen: 3275.14 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

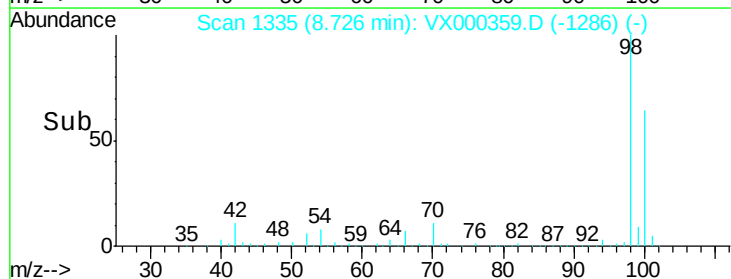
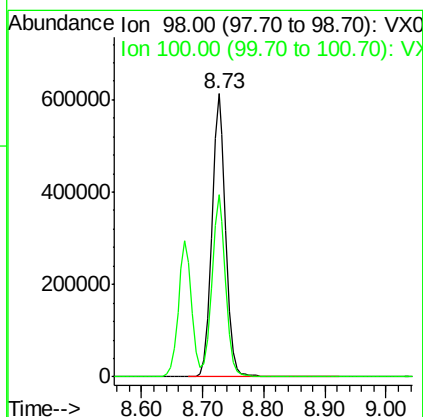
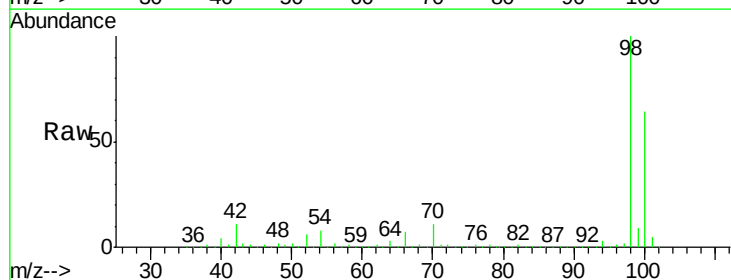
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

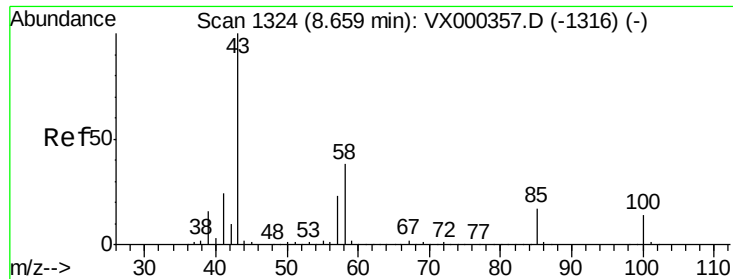
Tgt Ion: 88 Resp: 140390
Ion Ratio Lower Upper
88 100
43 31.7 26.8 40.2
58 62.7 52.2 78.2



#50
Toluene-d8
Concen: 173.29 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 98 Resp: 986088
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 925.47 ug/l

RT: 8.67 min Scan# 1326

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

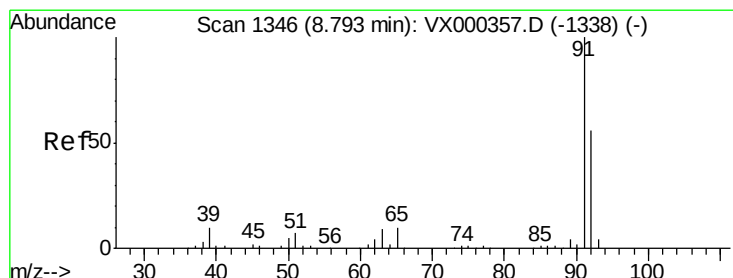
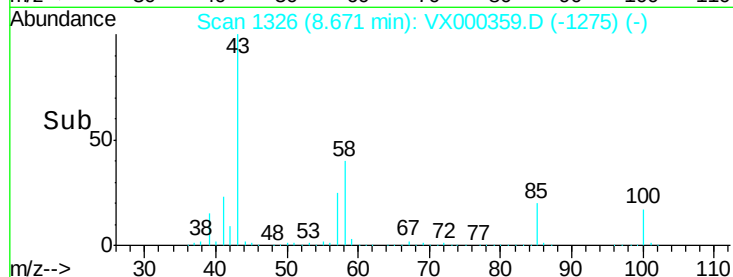
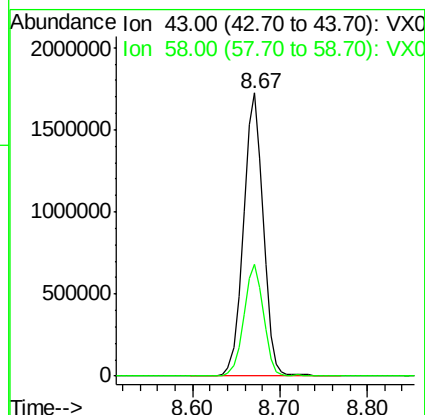
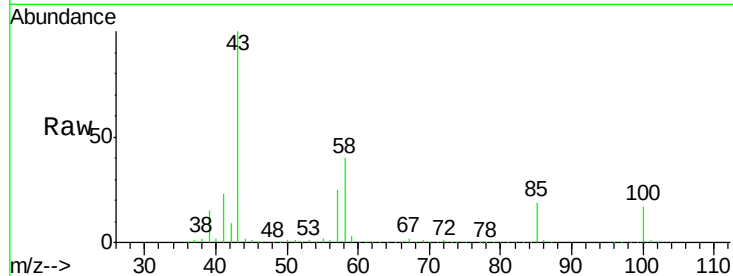
VSTDIC150

Tgt Ion: 43 Resp: 2708125

Ion Ratio Lower Upper

43 100

58 39.2 30.3 45.5



#52

Toluene

Concen: 169.09 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000359.D

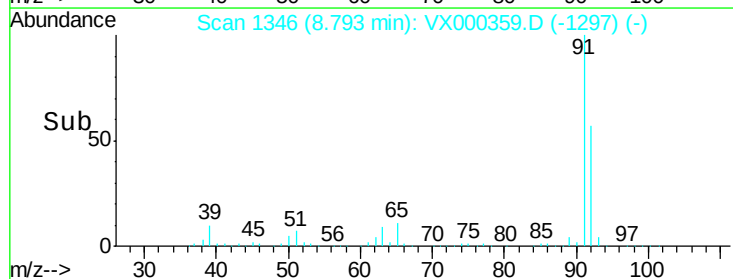
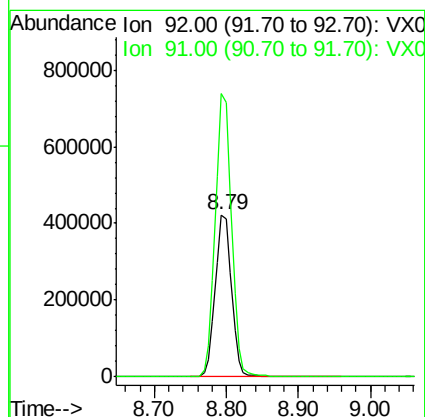
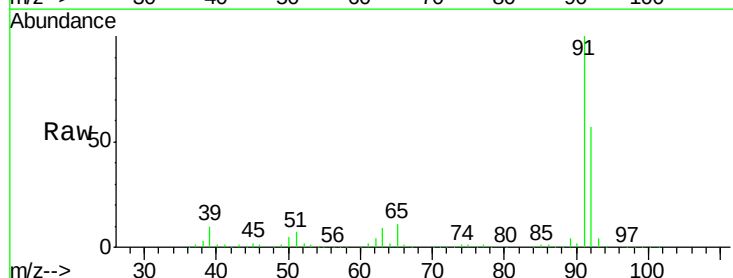
Acq: 20 Mar 2018 12:35

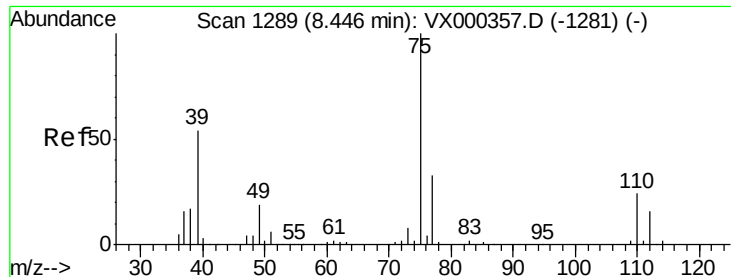
Tgt Ion: 92 Resp: 661944

Ion Ratio Lower Upper

92 100

91 174.7 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 178.14 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

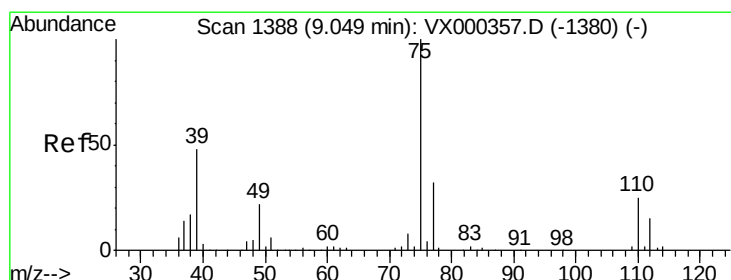
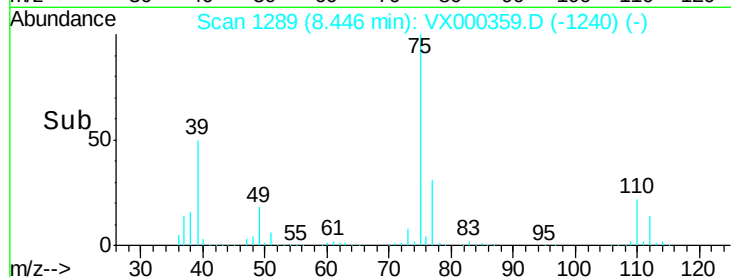
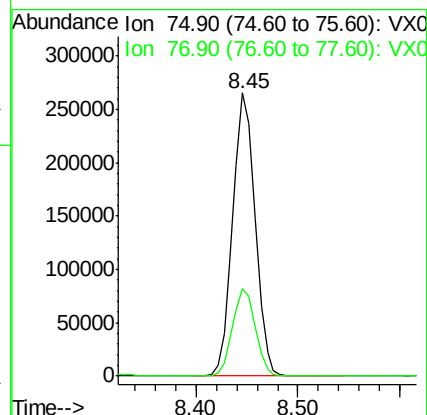
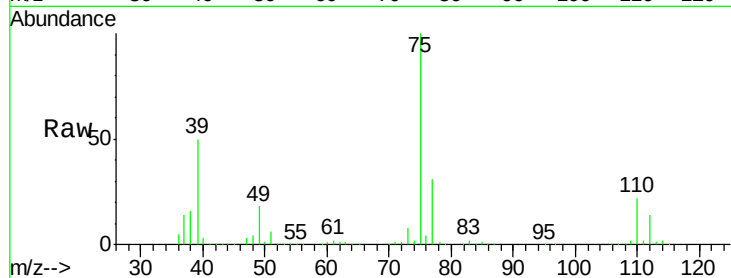
VSTDIC150

Tgt Ion: 75 Resp: 402969

Ion Ratio Lower Upper

75 100

77 31.1 24.0 36.0



#54

cis-1,3-Dichloropropene

Concen: 186.26 ug/l

RT: 9.06 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

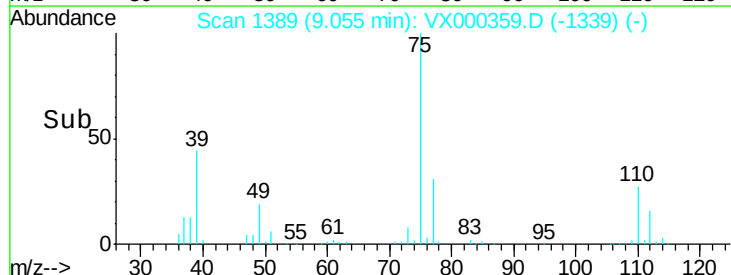
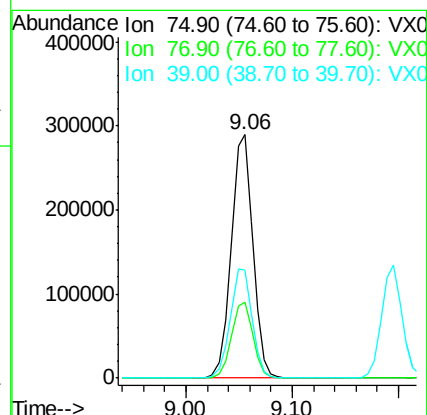
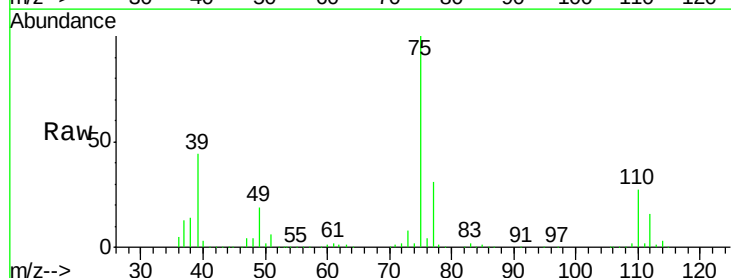
Tgt Ion: 75 Resp: 412024

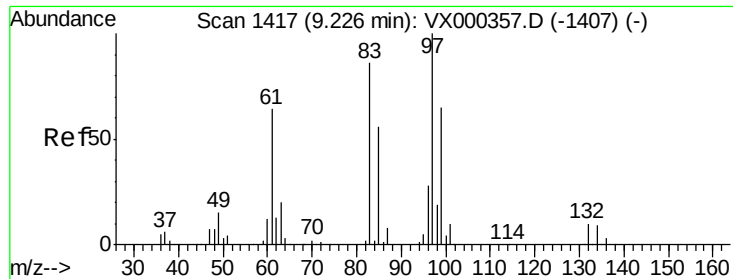
Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1

39 44.1 39.8 59.6

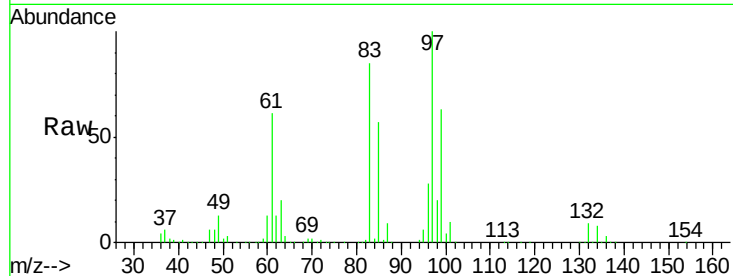




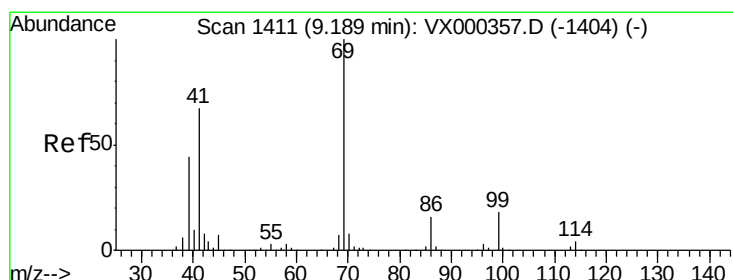
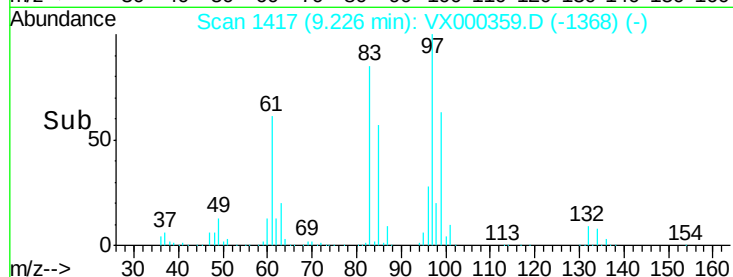
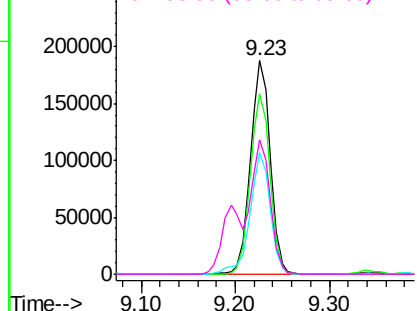
#55
 1,1,2-Trichloroethane
 Concen: 175.50 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 275672
 Ion Ratio Lower Upper
 97 100
 83 84.7 67.9 101.9
 85 56.7 42.8 64.2
 99 62.9 49.4 74.2

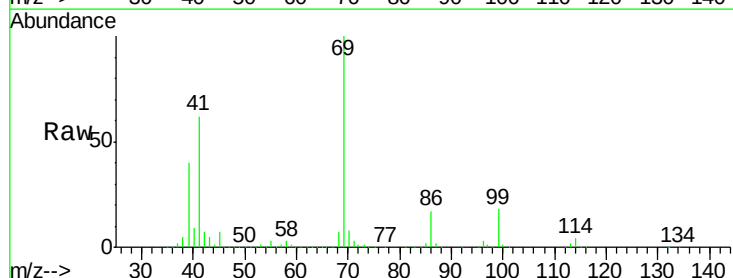


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

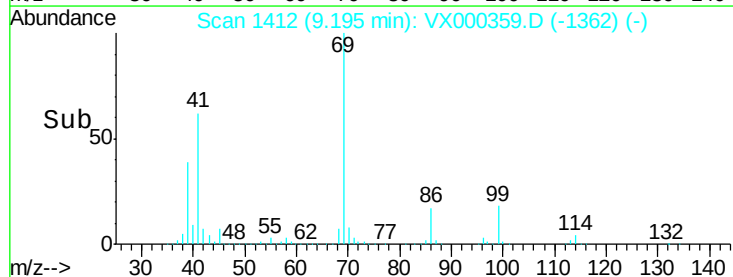
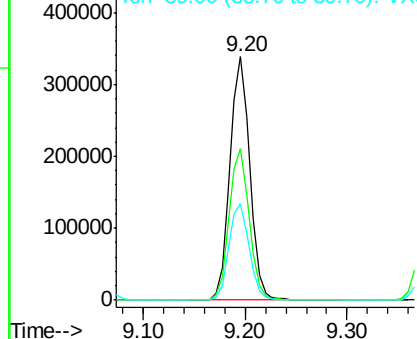


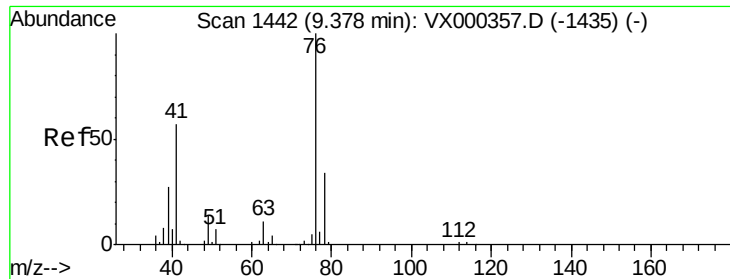
#56
 Ethyl methacrylate
 Concen: 194.87 ug/l
 RT: 9.20 min Scan# 1412
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion: 69 Resp: 453241
 Ion Ratio Lower Upper
 69 100
 41 62.6 53.0 79.6
 39 40.2 35.3 52.9



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

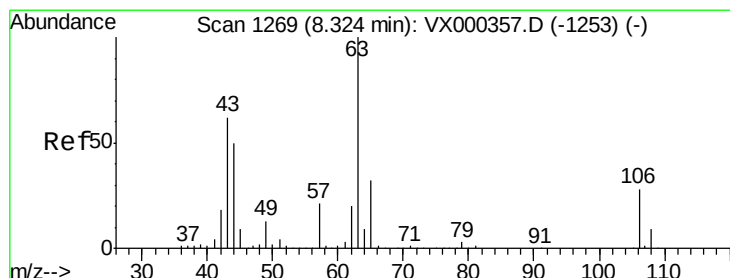
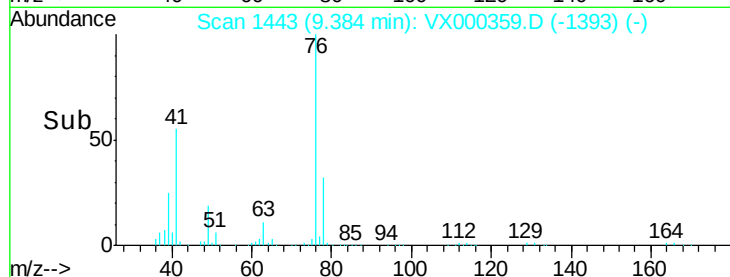
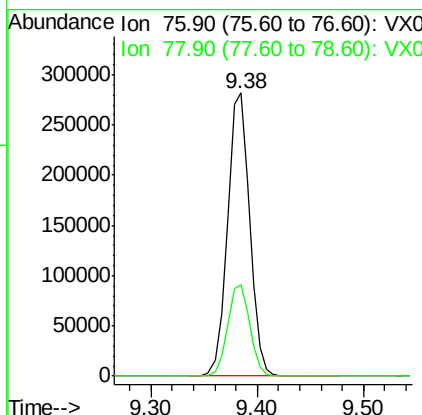
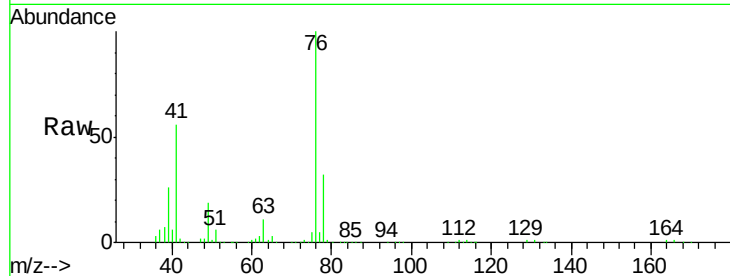




#57
 1,3-Dichloropropane
 Concen: 161.25 ug/l
 RT: 9.38 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

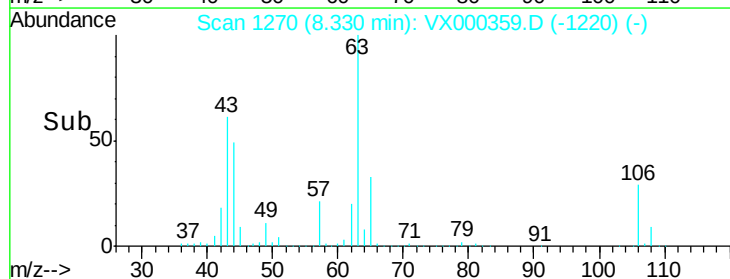
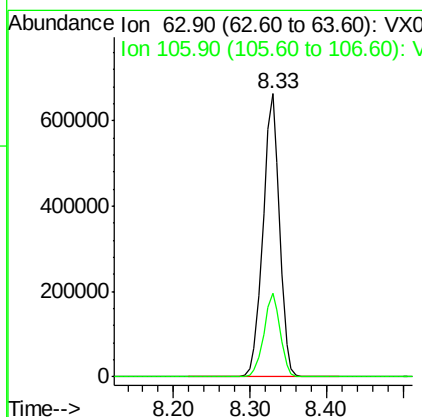
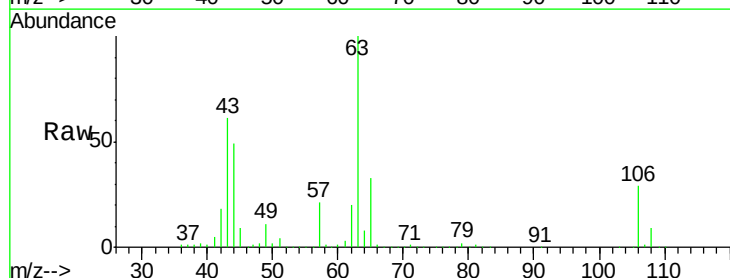
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

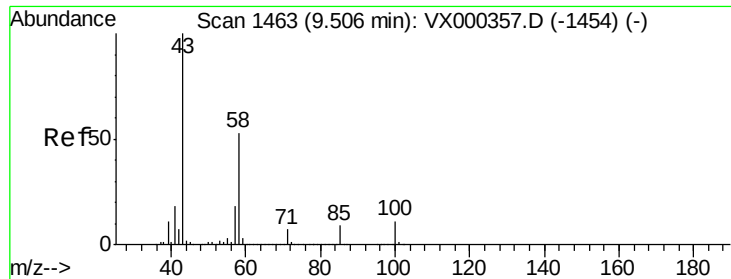
Tgt Ion: 76 Resp: 410333
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 944.74 ug/l
 RT: 8.33 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion: 63 Resp: 1010492
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.2 34.8

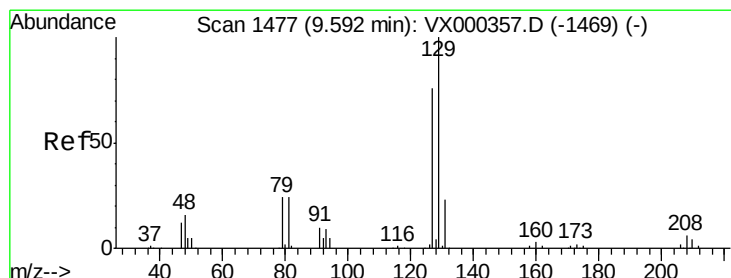
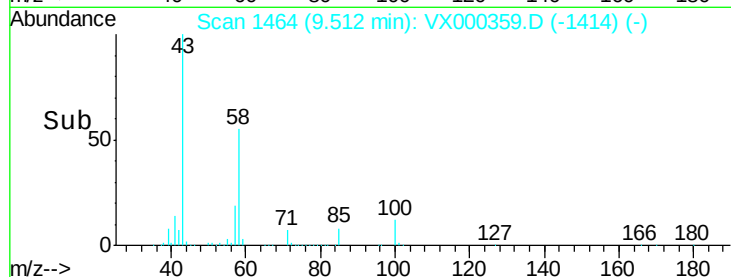
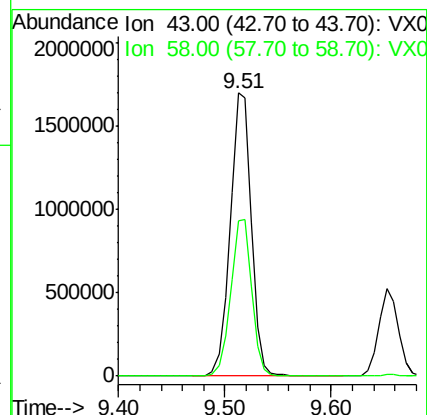
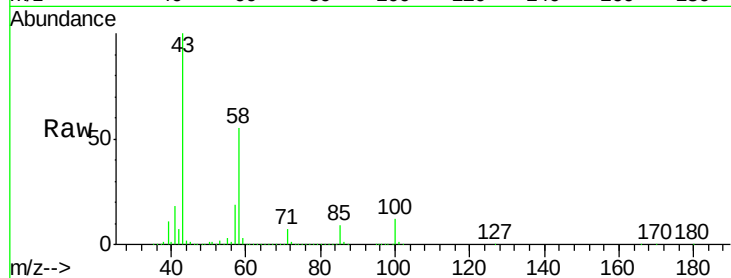




#59
2-Hexanone
Concen: 958.24 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

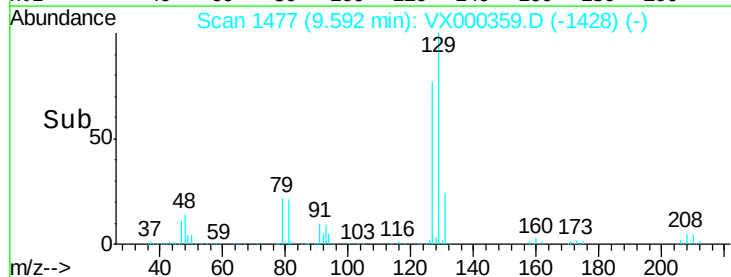
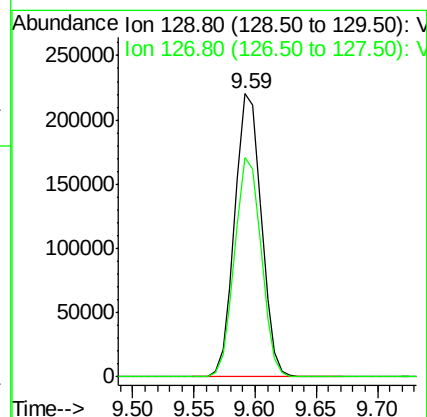
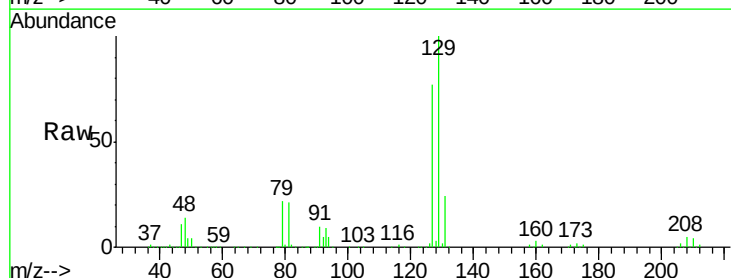
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

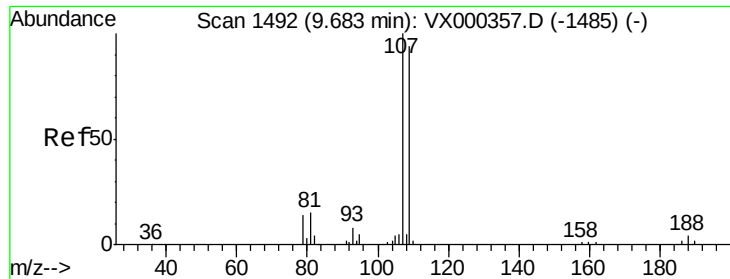
Tgt Ion: 43 Resp: 2362412
Ion Ratio Lower Upper
43 100
58 55.3 26.6 79.7



#60
Dibromochloromethane
Concen: 198.73 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 129 Resp: 330087
Ion Ratio Lower Upper
129 100
127 77.3 37.9 113.6

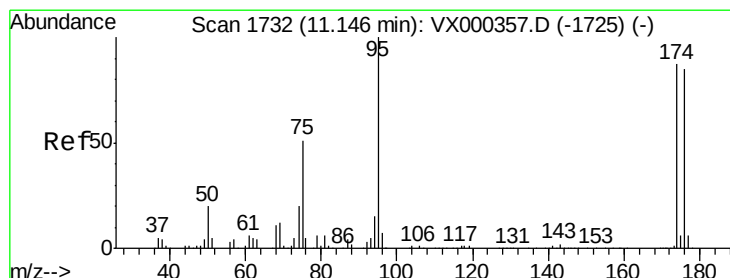
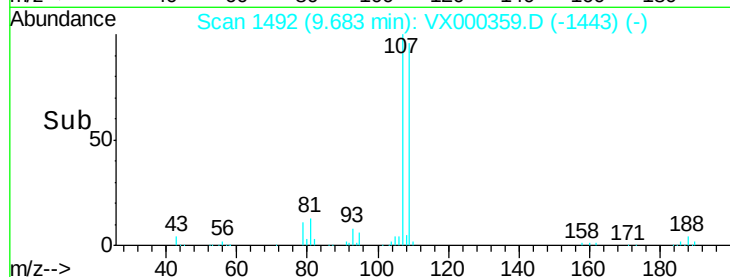
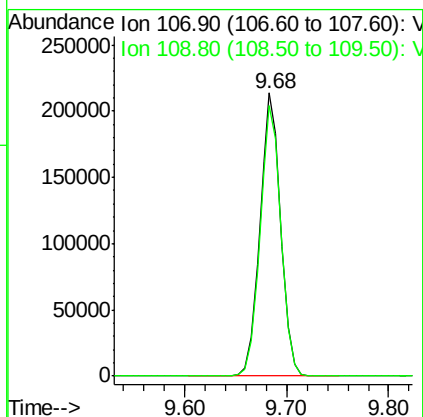
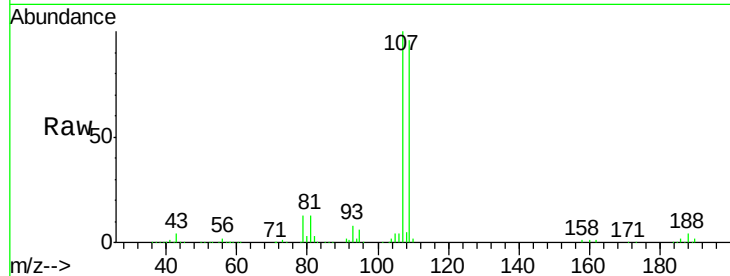




#61
 1,2-Dibromoethane
 Concen: 173.61 ug/l
 RT: 9.68 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

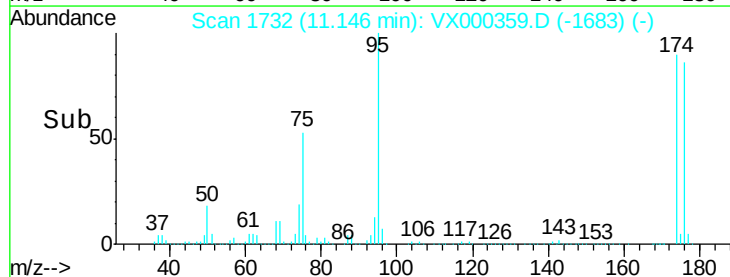
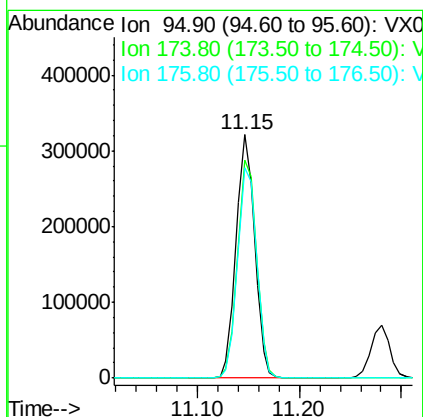
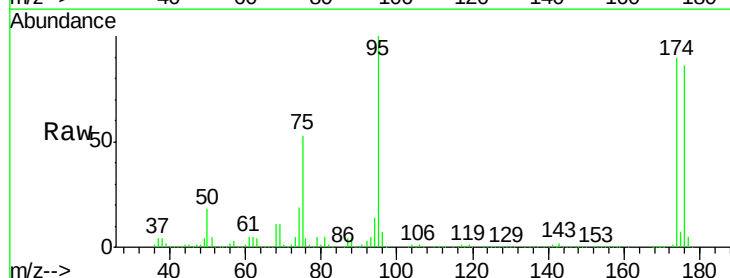
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

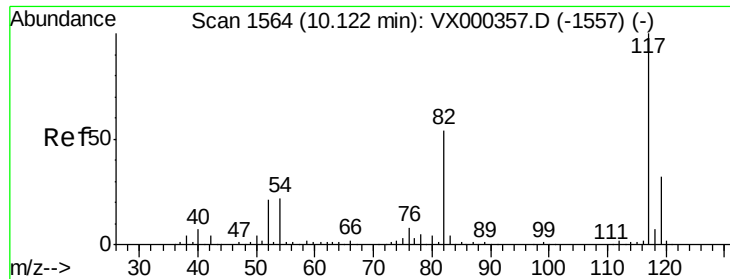
Tgt Ion: 107 Resp: 302292
 Ion Ratio Lower Upper
 107 100
 109 96.1 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 176.60 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion: 95 Resp: 402981
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 173.6
 176 89.5 0.0 164.6

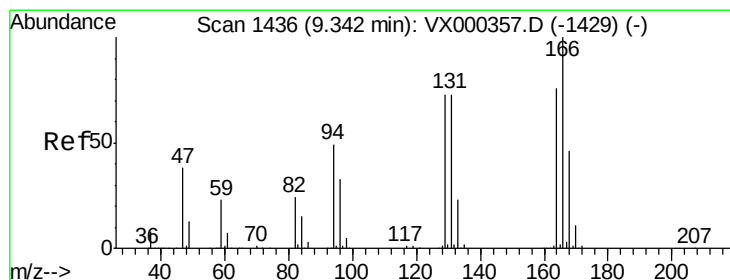
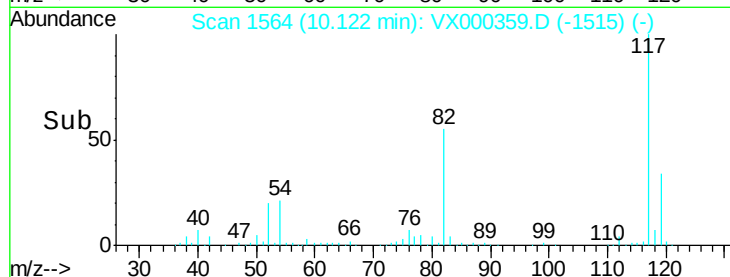
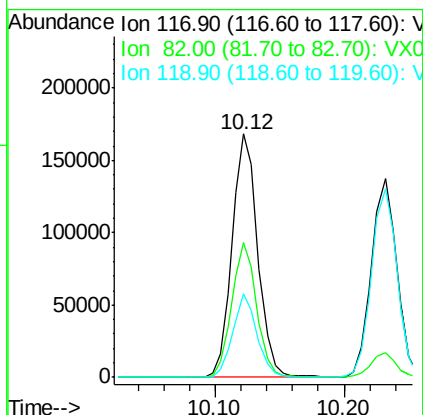
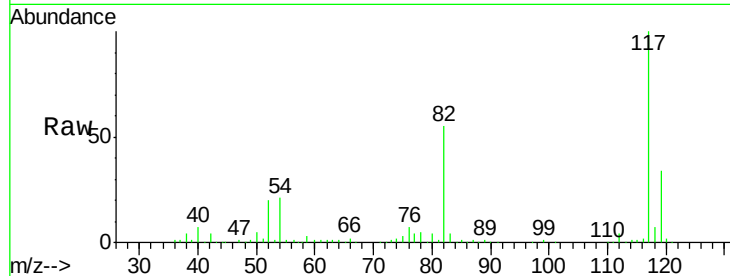




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

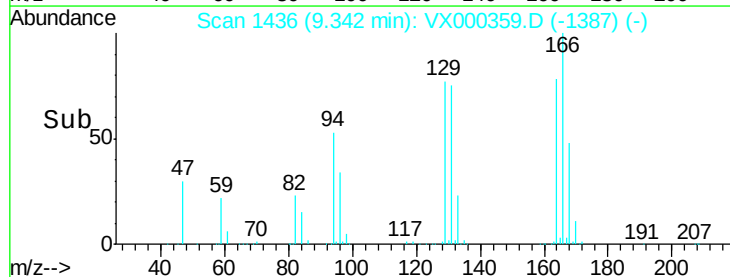
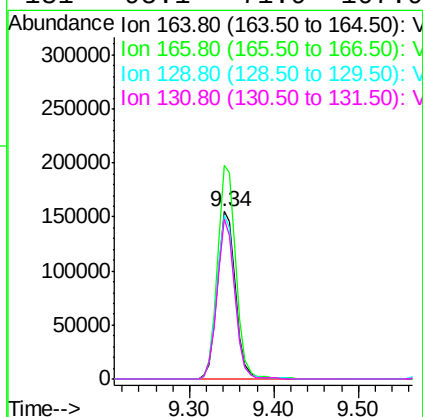
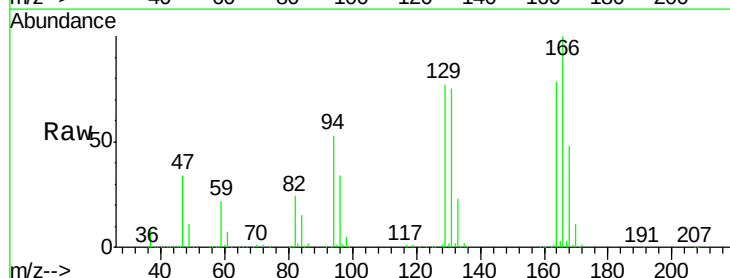
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

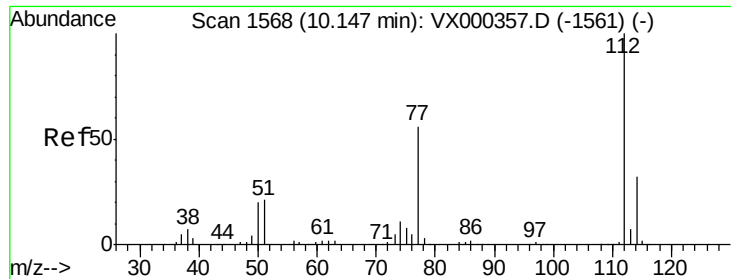
Tgt Ion:117 Resp: 234054
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 34.2 24.9 37.3



#64
Tetrachloroethene
Concen: 138.50 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion:164 Resp: 231510
Ion Ratio Lower Upper
164 100
166 127.4 101.0 151.6
129 97.9 79.0 118.4
131 95.1 71.9 107.9





#65

Chlorobenzene

Concen: 164.40 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

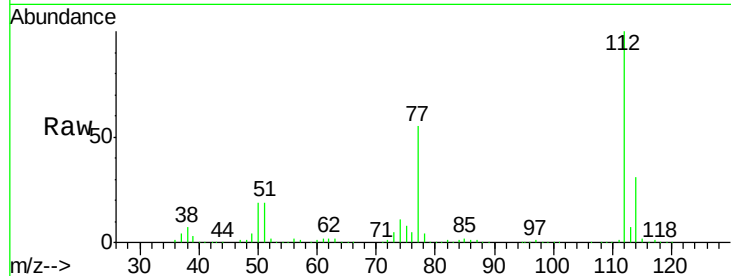
VSTDIC150

Tgt Ion:112 Resp: 783578

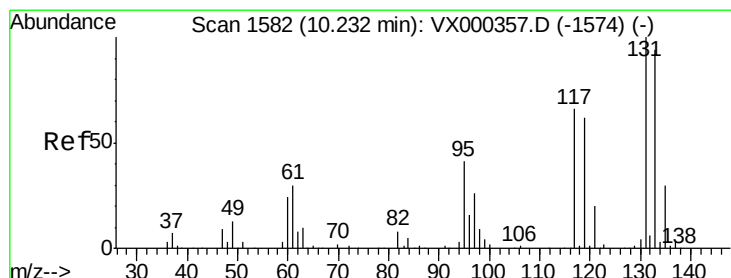
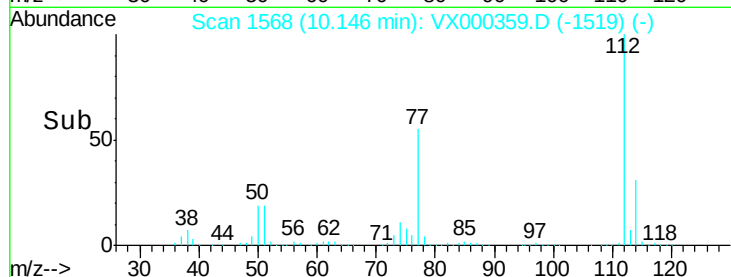
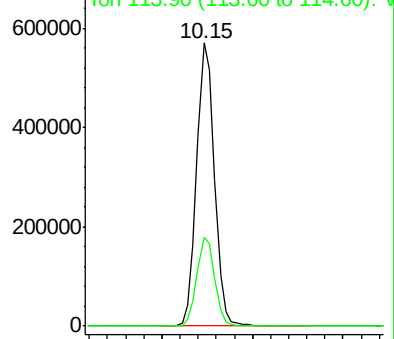
Ion Ratio Lower Upper

112 100

114 31.4 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 171.84 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

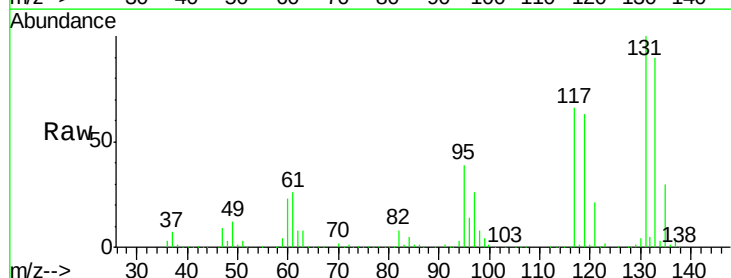
Tgt Ion:131 Resp: 275476

Ion Ratio Lower Upper

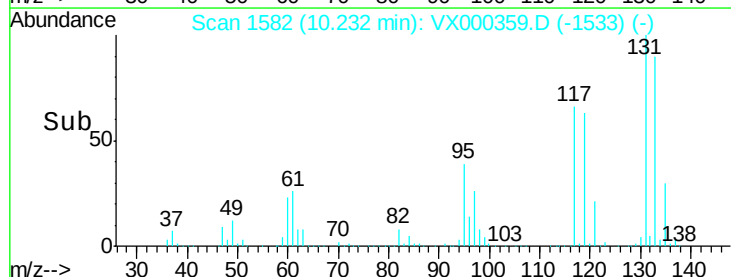
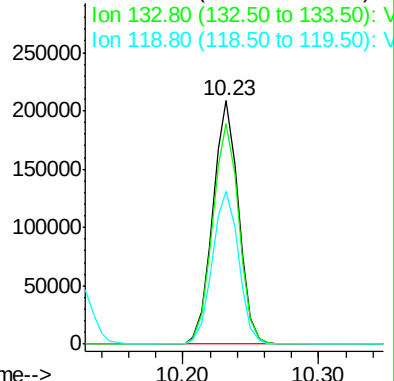
131 100

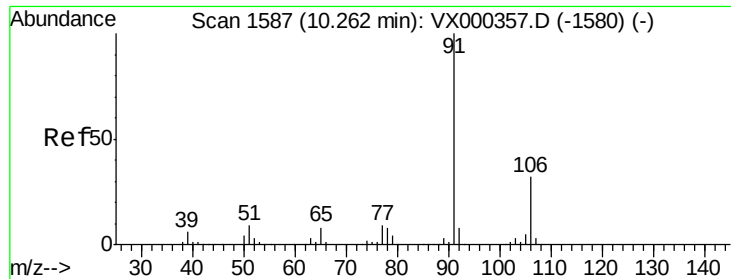
133 92.2 47.1 141.3

119 64.4 33.1 99.2



Abundance Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 159.75 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

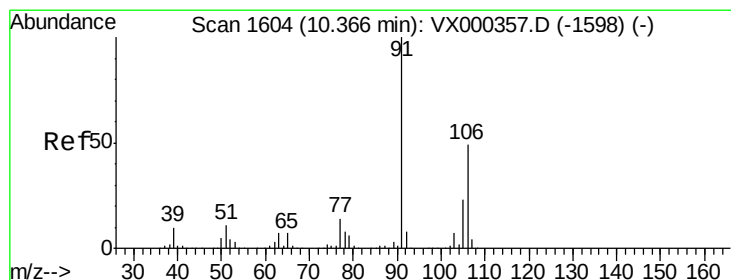
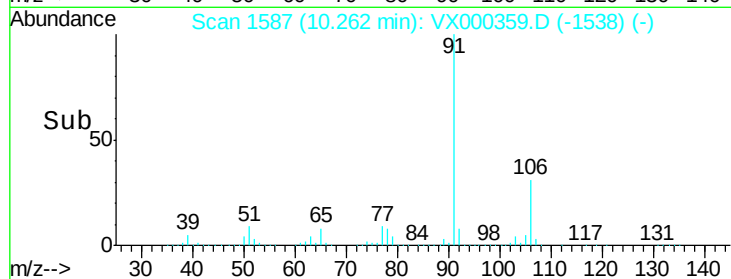
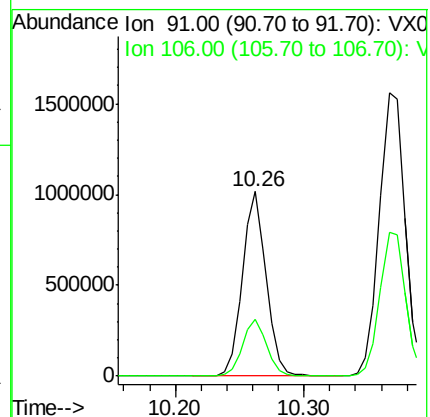
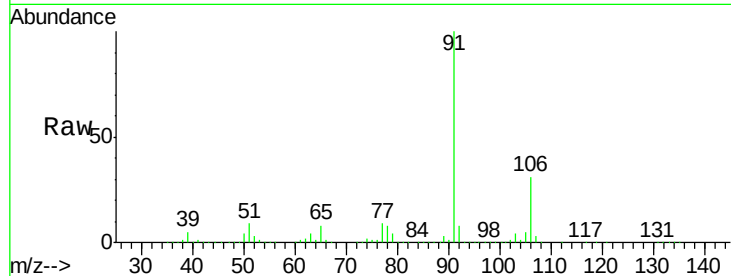
VSTDIC150

Tgt Ion: 91 Resp: 1298104

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.6



#68

m/p-Xylenes

Concen: 345.06 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000359.D

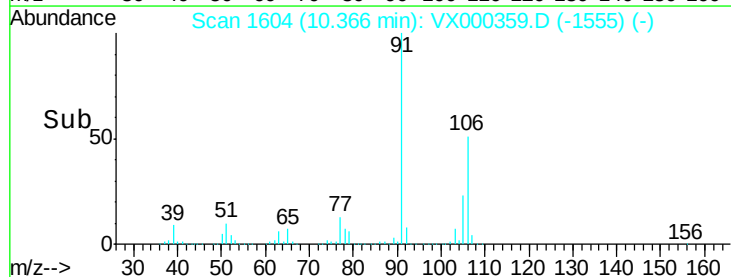
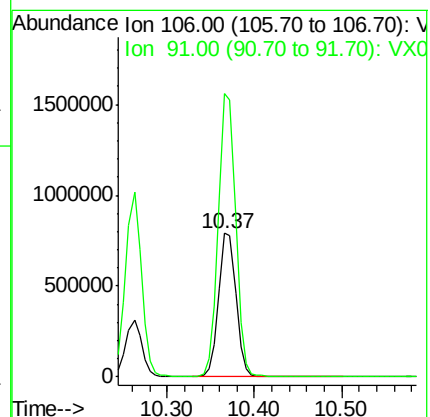
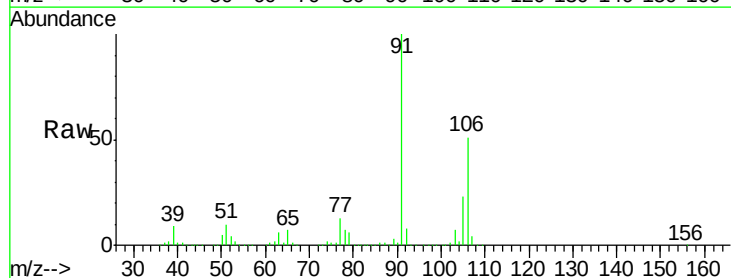
Acq: 20 Mar 2018 12:35

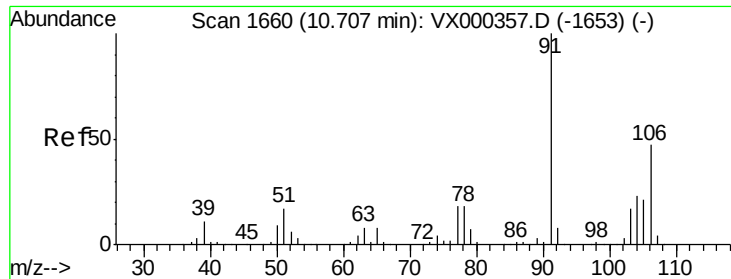
Tgt Ion: 106 Resp: 1092445

Ion Ratio Lower Upper

106 100

91 197.0 163.4 245.2

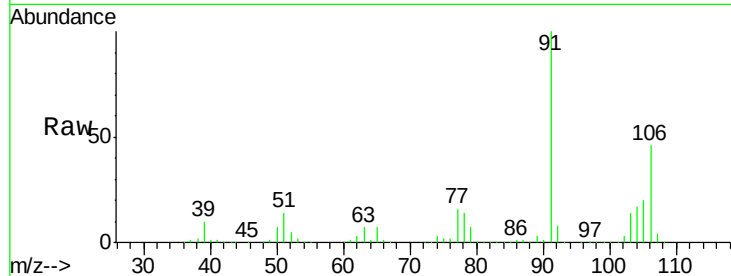




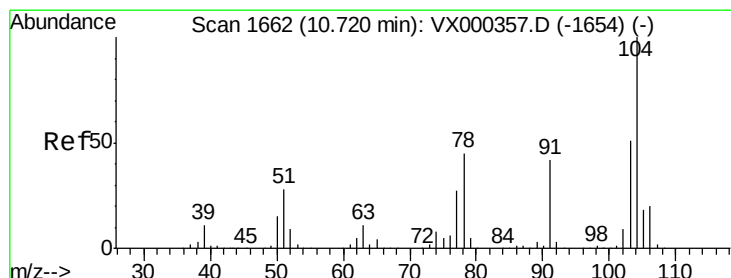
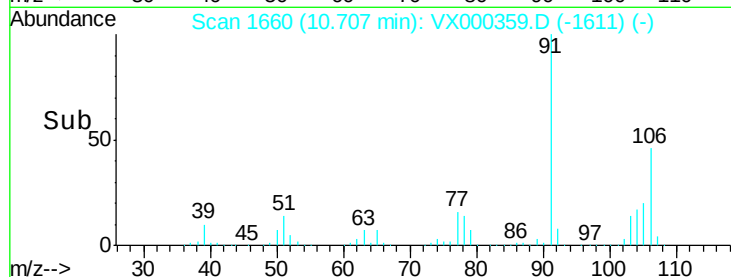
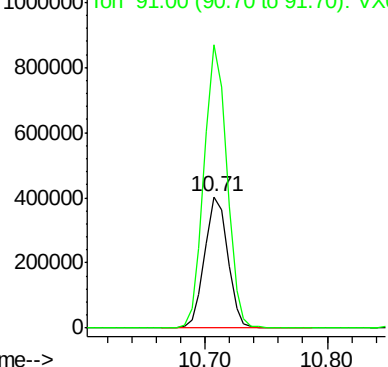
#69
o-Xylene
Concen: 170.99 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tgt Ion:106 Resp: 525888
Ion Ratio Lower Upper
106 100
91 213.4 106.5 319.6

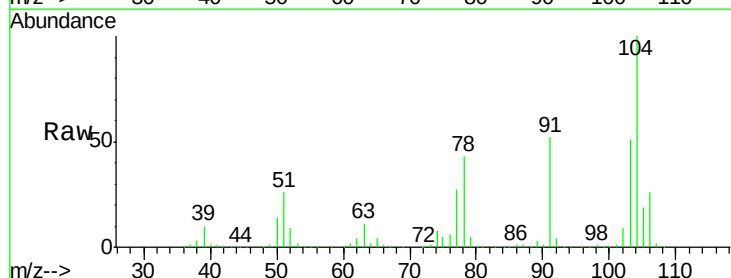


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

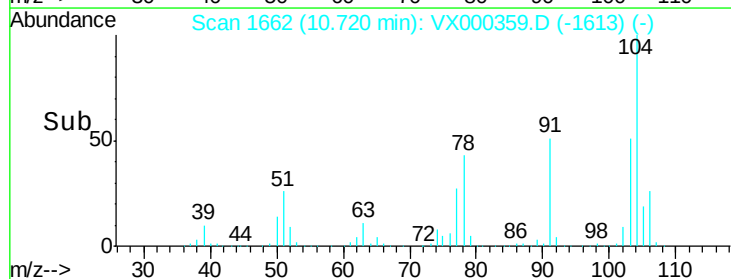
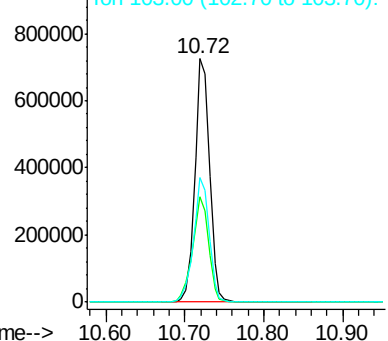


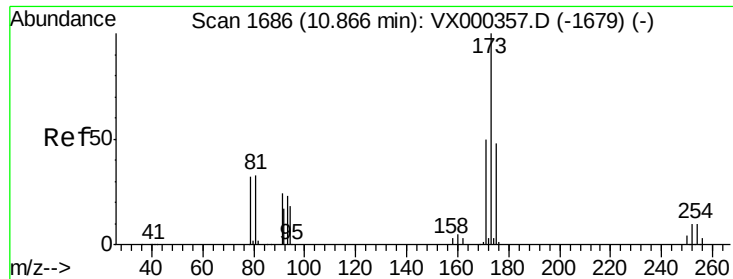
#70
Styrene
Concen: 184.52 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion:104 Resp: 941723
Ion Ratio Lower Upper
104 100
78 47.6 40.5 60.7
103 54.5 45.7 68.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 220.57 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

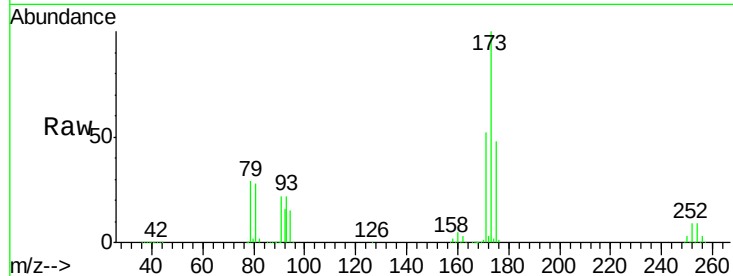
Tgt Ion:173 Resp: 309286

Ion Ratio Lower Upper

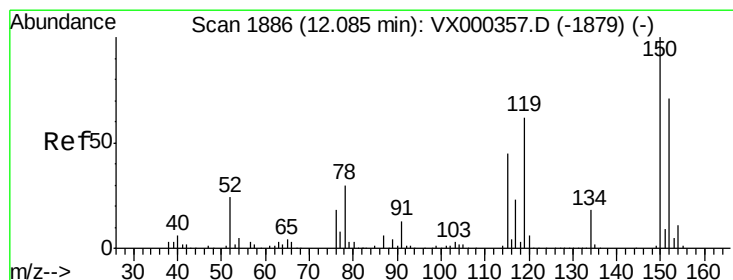
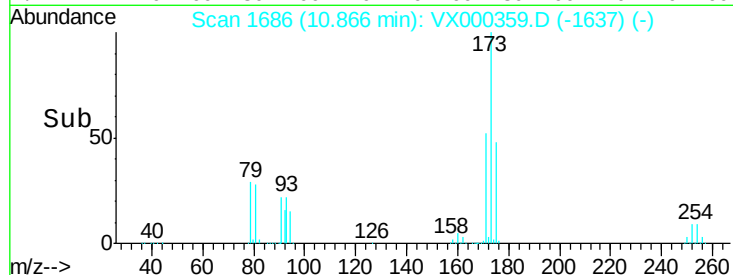
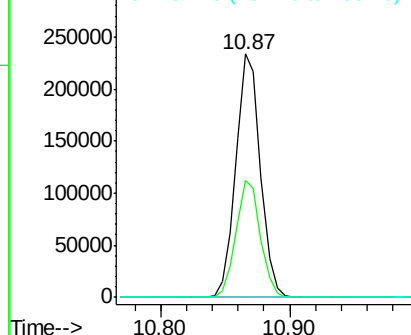
173 100

175 48.0 25.4 76.4

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

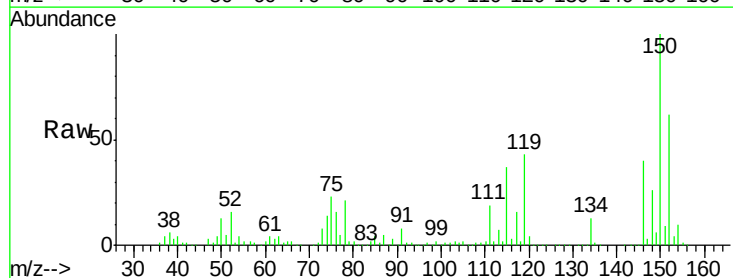
Tgt Ion:152 Resp: 157281

Ion Ratio Lower Upper

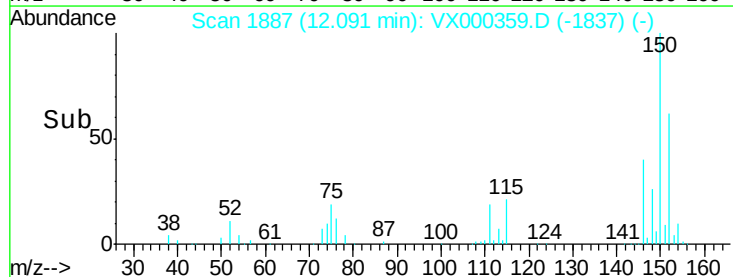
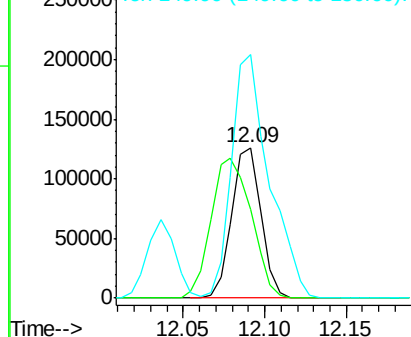
152 100

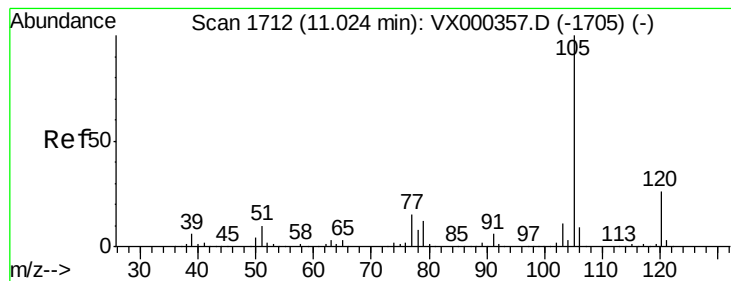
115 128.7 39.8 119.3#

150 208.7 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 155.75 ug/l

RT: 11.03 min Scan# 1713

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

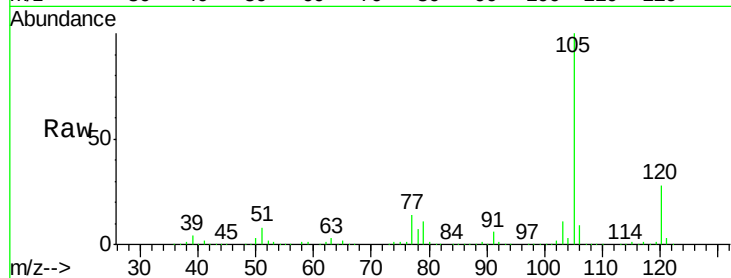
VSTDICC150

Tgt Ion:105 Resp: 1475424

Ion Ratio Lower Upper

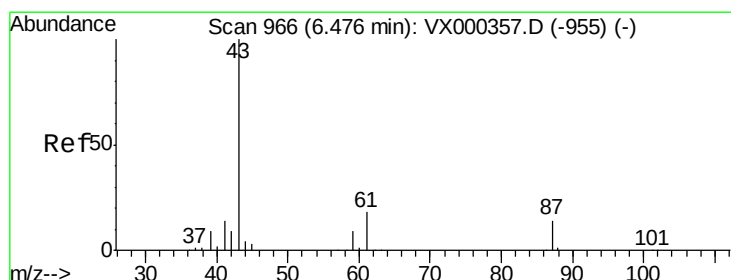
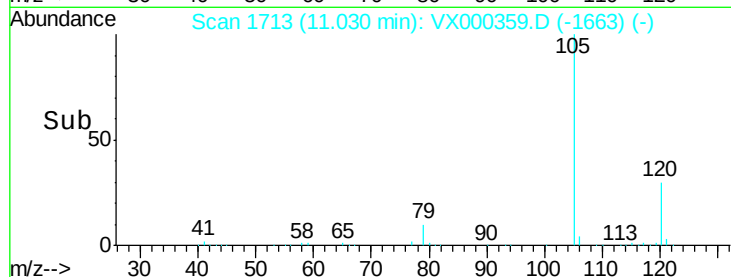
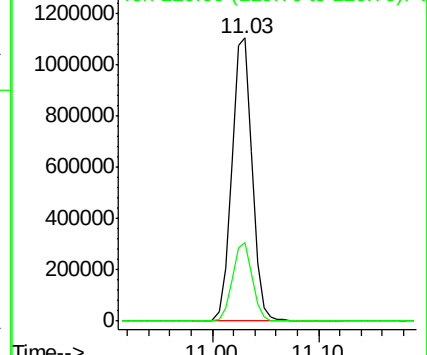
105 100

120 27.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 143.53 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion: 43 Resp: 650876

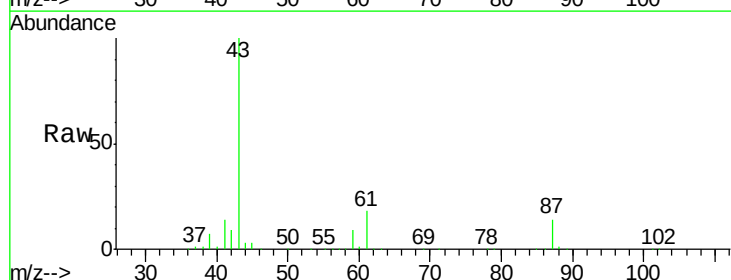
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.7 14.4 21.6

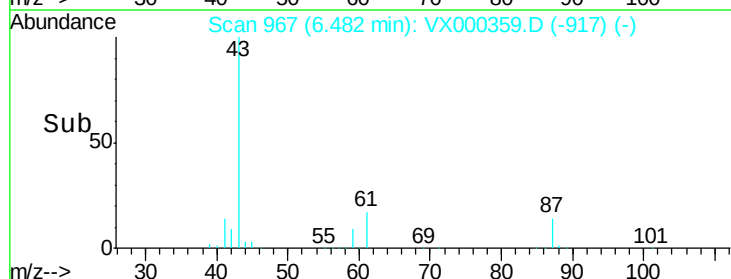
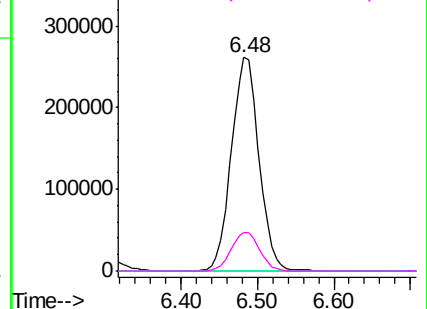


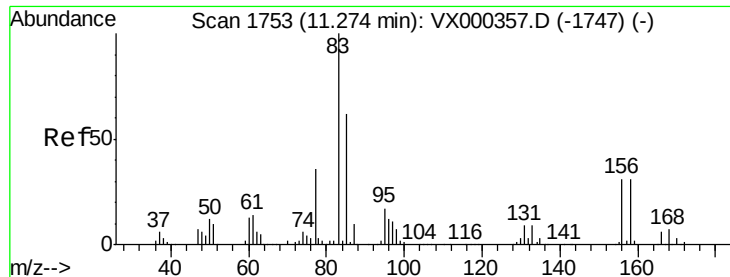
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 160.79 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

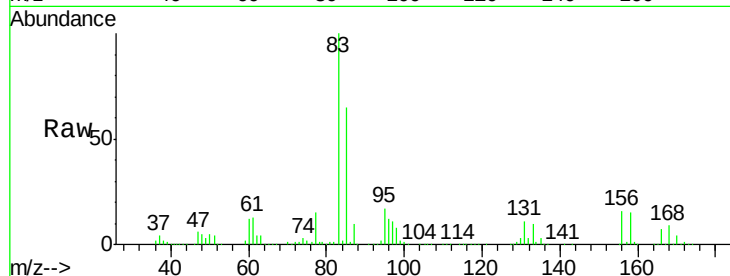
Tgt Ion: 83 Resp: 542226

Ion Ratio Lower Upper

83 100

131 10.6 5.0 14.9

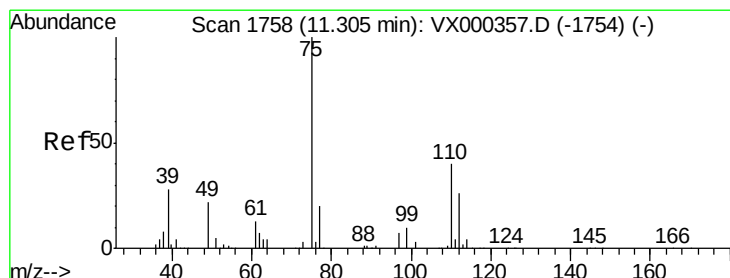
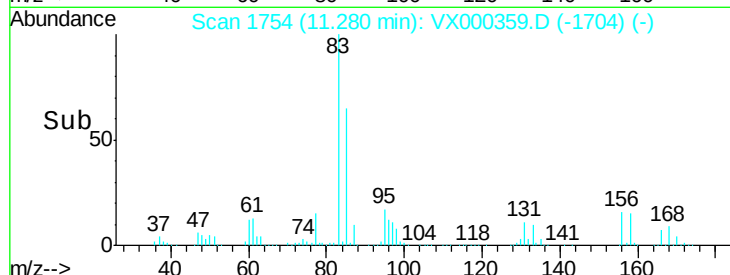
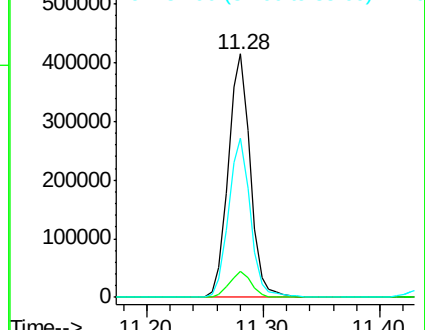
85 64.9 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 209.53 ug/l

RT: 11.31 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VX000359.D

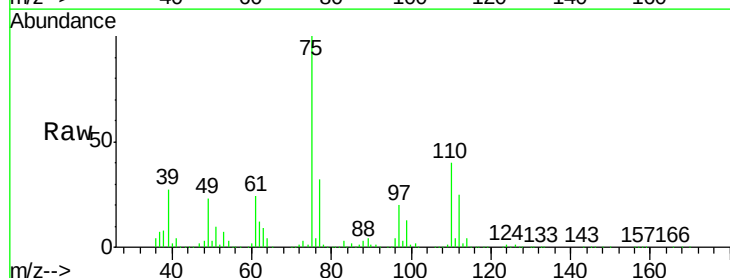
Acq: 20 Mar 2018 12:35

Tgt Ion: 75 Resp: 663394

Ion Ratio Lower Upper

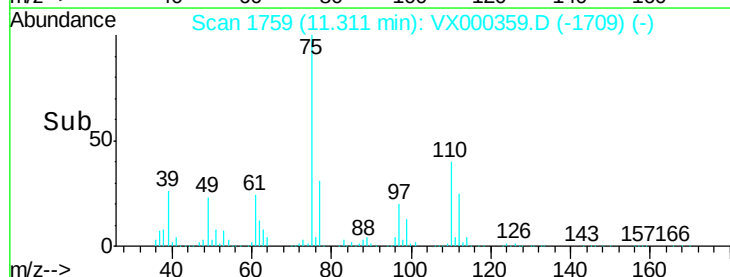
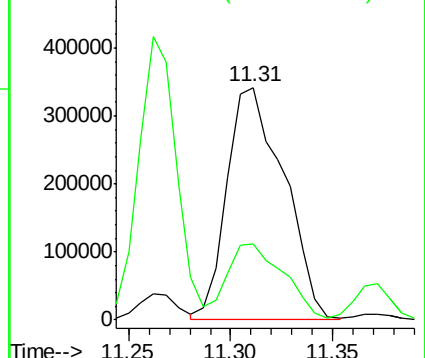
75 100

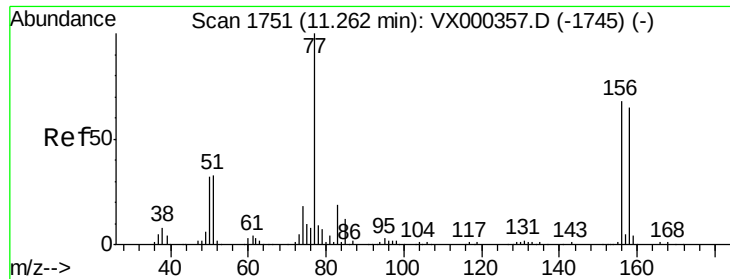
77 32.6 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 157.92 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

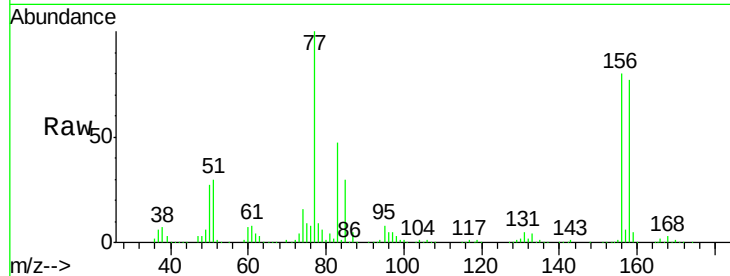
Tgt Ion:156 Resp: 392651

Ion Ratio Lower Upper

156 100

77 136.6 73.4 220.2

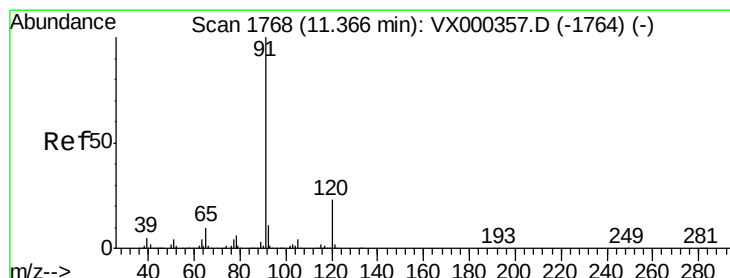
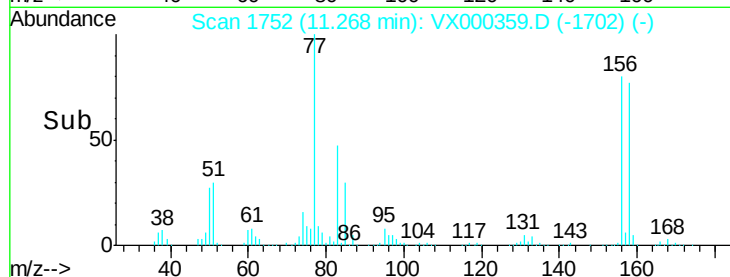
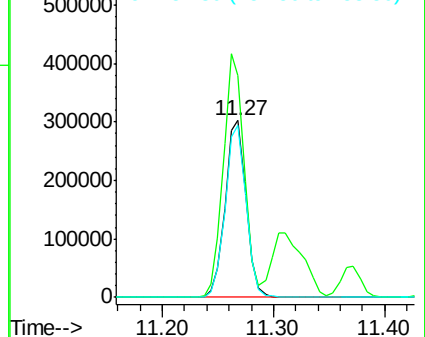
158 96.9 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 149.58 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.01 min

Lab File: VX000359.D

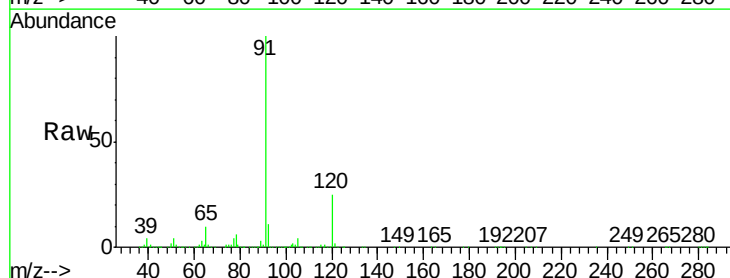
Acq: 20 Mar 2018 12:35

Tgt Ion: 91 Resp: 1708645

Ion Ratio Lower Upper

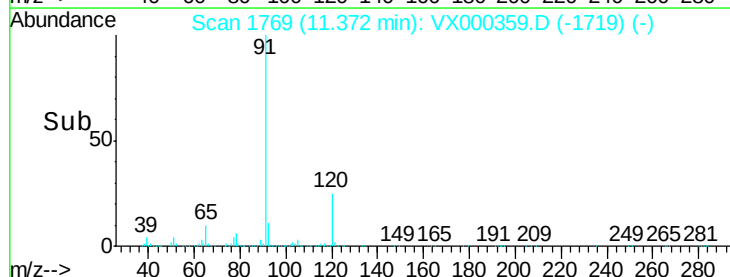
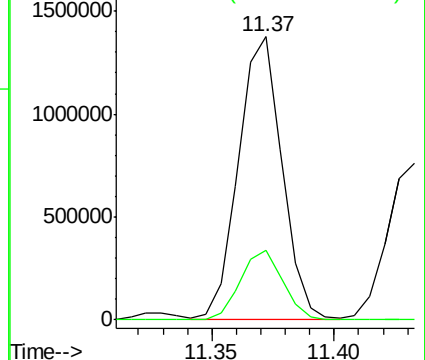
91 100

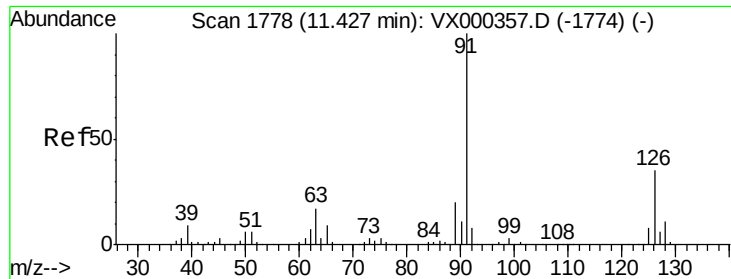
120 24.1 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 151.09 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

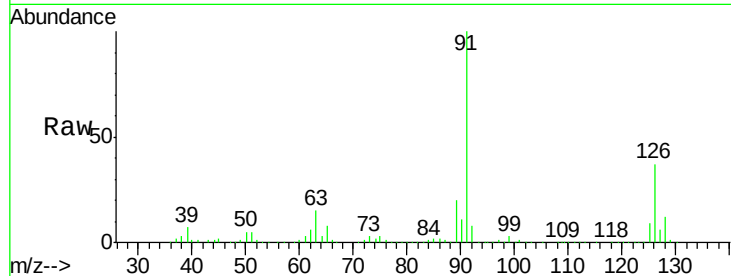
VSTDIC150

Tgt Ion: 91 Resp: 979381

Ion Ratio Lower Upper

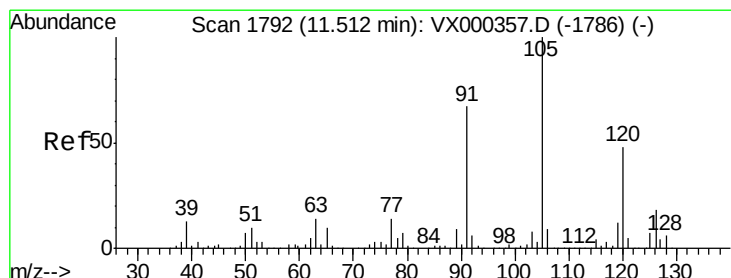
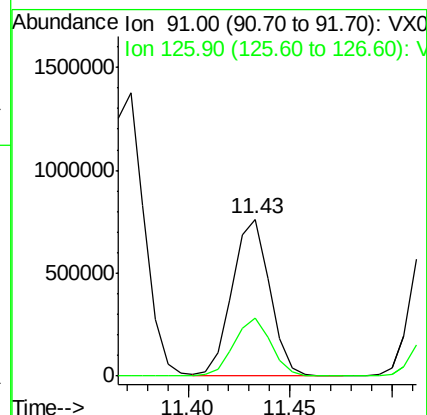
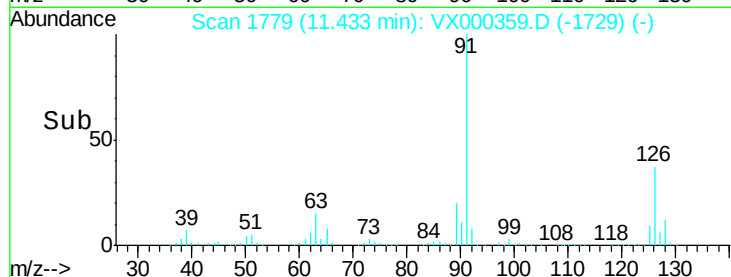
91 100

126 36.2 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 157.03 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX000359.D

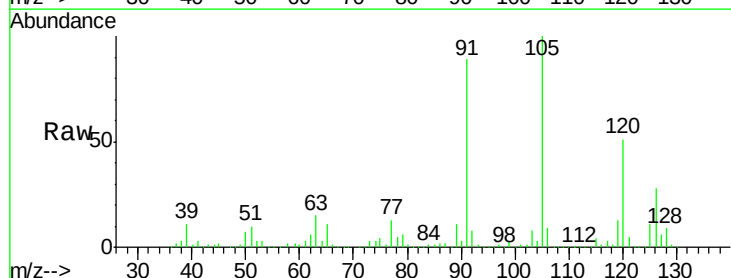
Acq: 20 Mar 2018 12:35

Tgt Ion: 105 Resp: 1267195

Ion Ratio Lower Upper

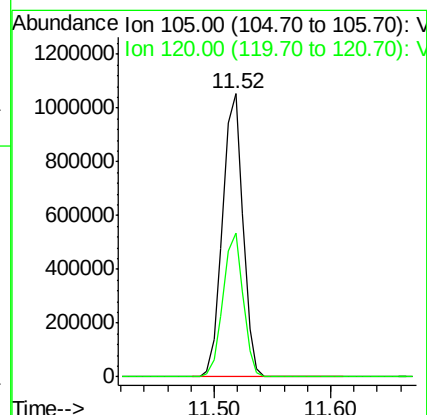
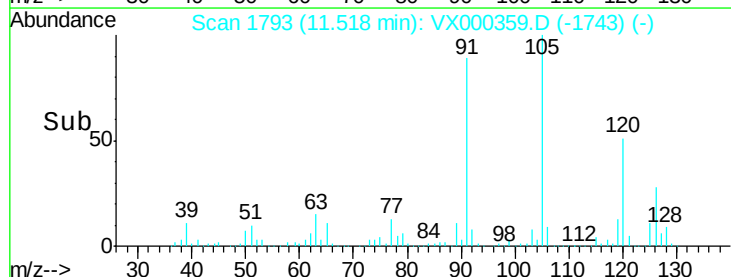
105 100

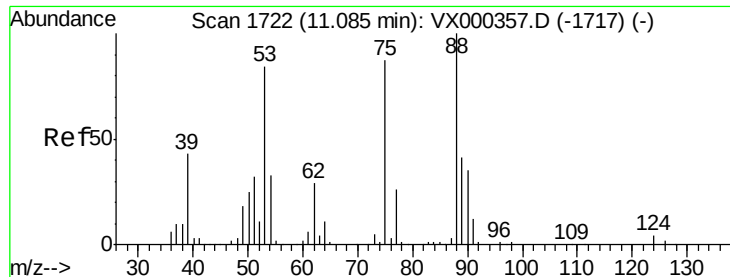
120 50.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

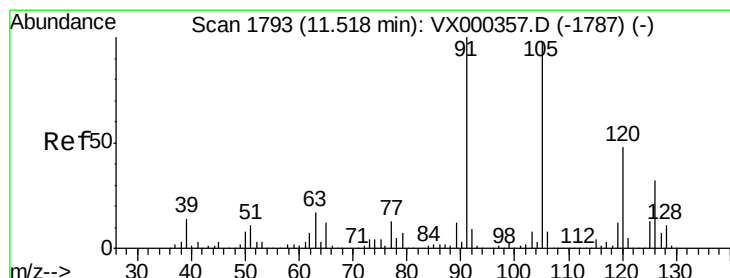
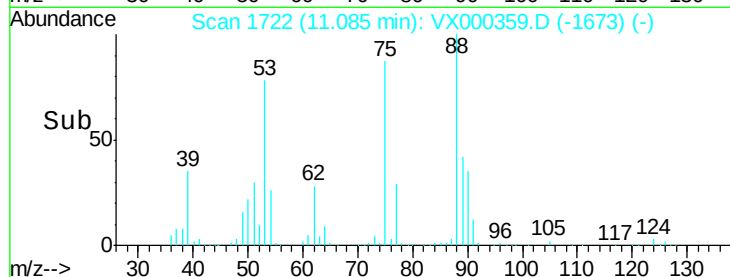
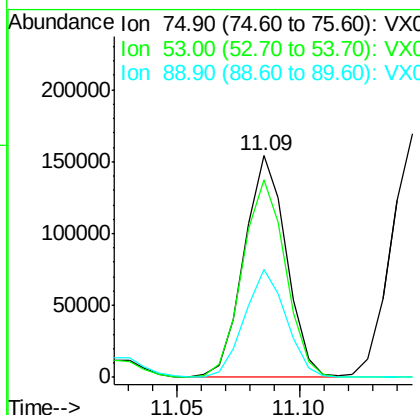
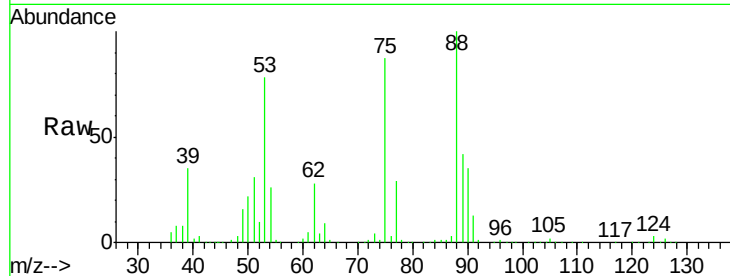




#81
trans-1,4-Dichloro-2-butene
Concen: 198.35 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

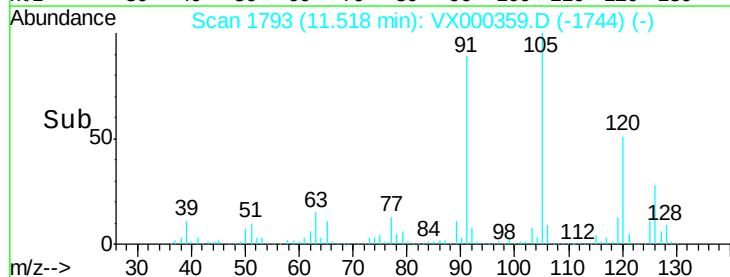
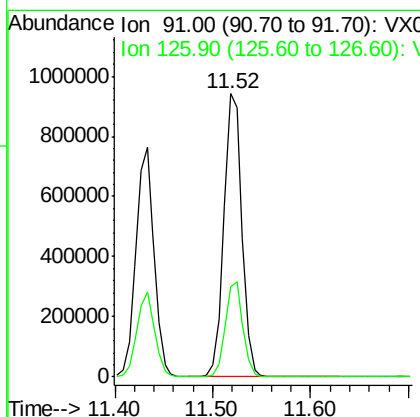
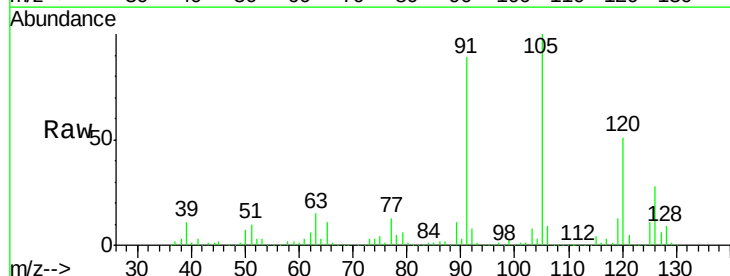
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

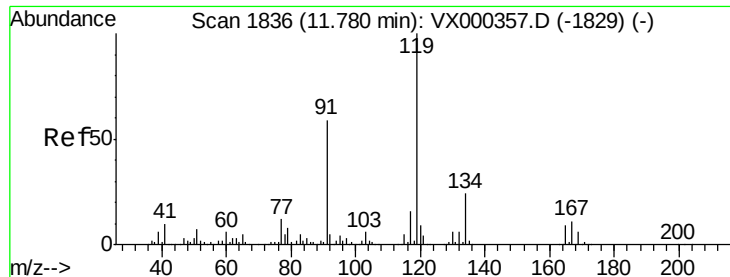
Tgt Ion: 75 Resp: 184322
Ion Ratio Lower Upper
75 100
53 90.7 80.7 121.1
89 48.3 39.4 59.0



#82
4-Chlorotoluene
Concen: 151.05 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 91 Resp: 1203461
Ion Ratio Lower Upper
91 100
126 32.6 15.4 46.1

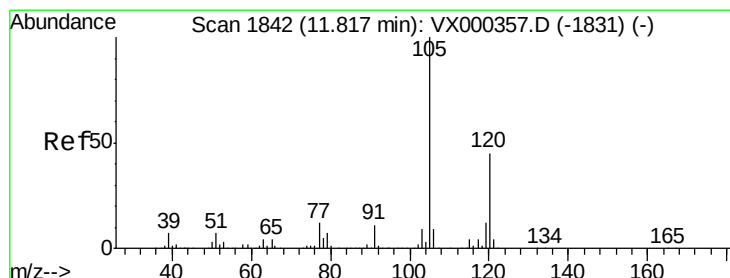
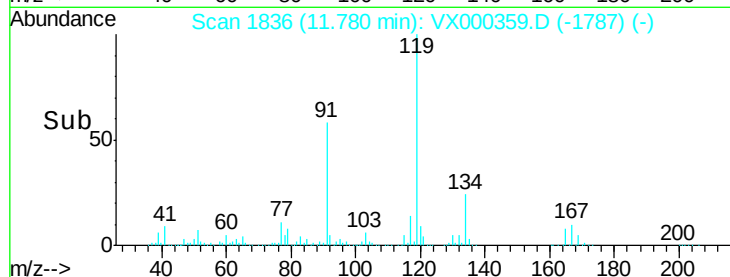
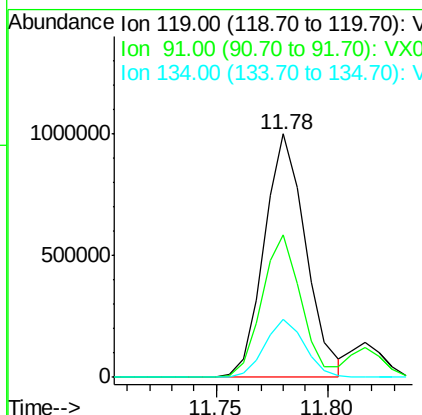
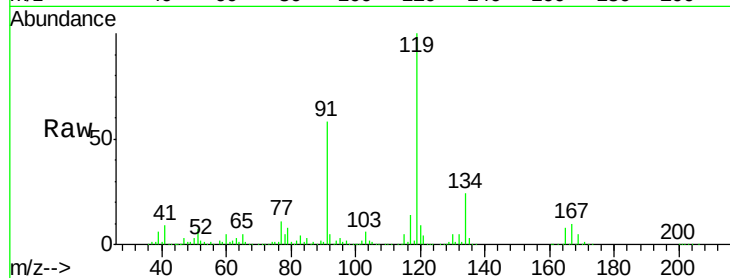




#83
 tert-Butylbenzene
 Concen: 164.51 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

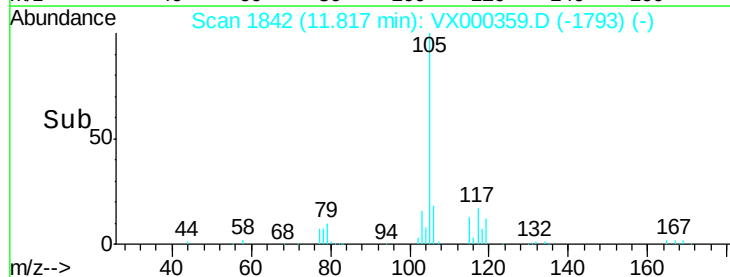
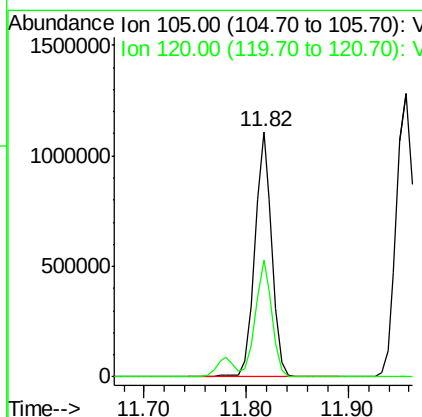
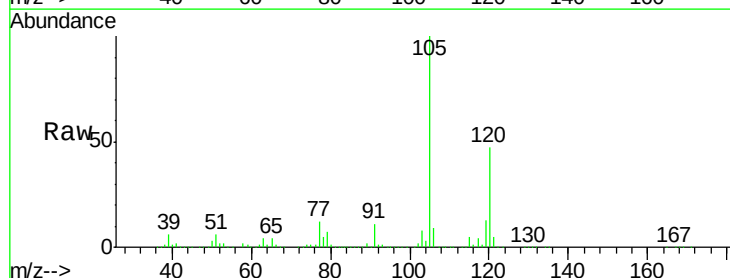
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

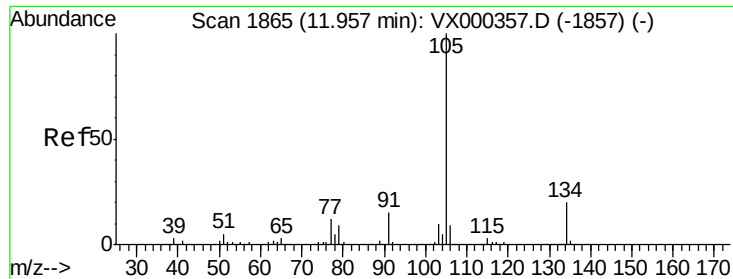
Tgt Ion:119 Resp: 1295106
 Ion Ratio Lower Upper
 119 100
 91 56.0 28.8 86.4
 134 23.0 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 155.47 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion:105 Resp: 1289840
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 158.82 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

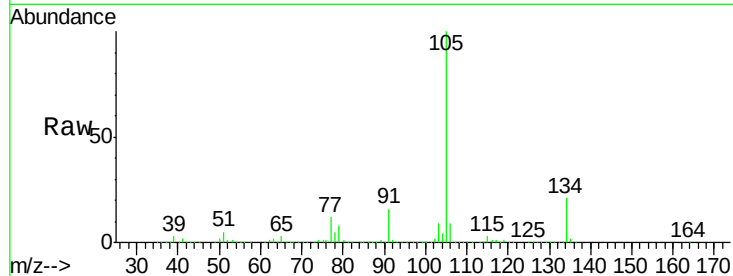
VSTDIC150

Tgt Ion:105 Resp: 1565311

Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

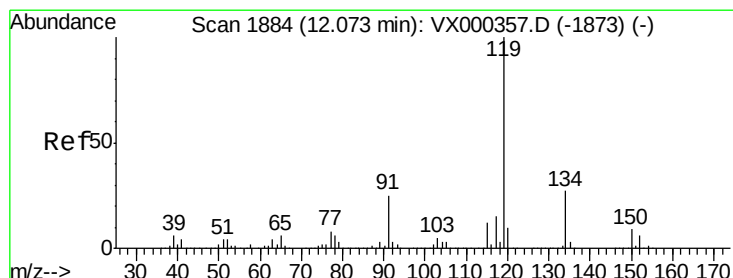
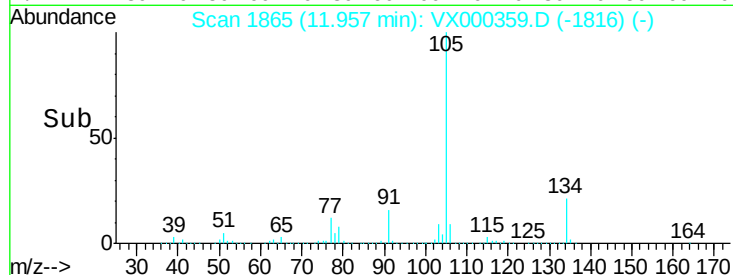
11.96

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 163.28 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

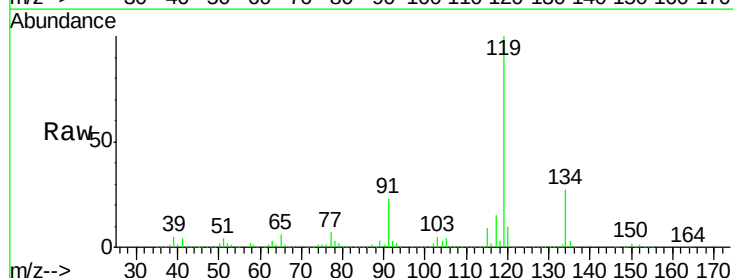
Tgt Ion:119 Resp: 1432154

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 23.1 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

1500000

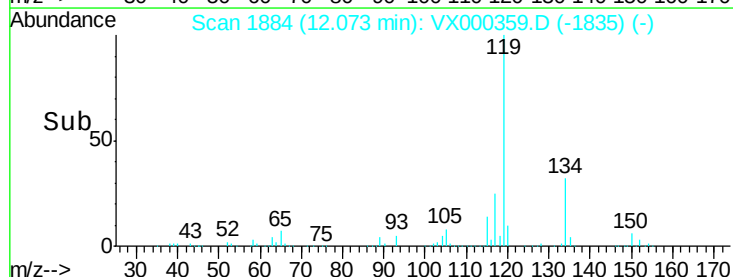
12.07

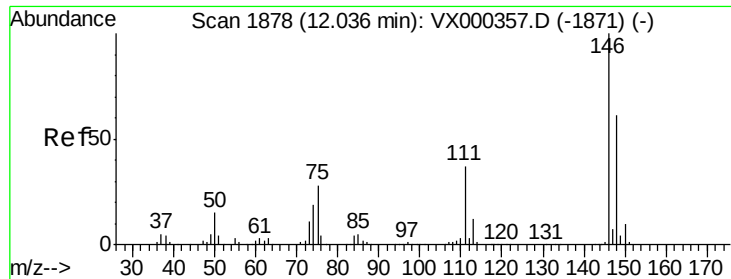
1000000

500000

0

Time-->

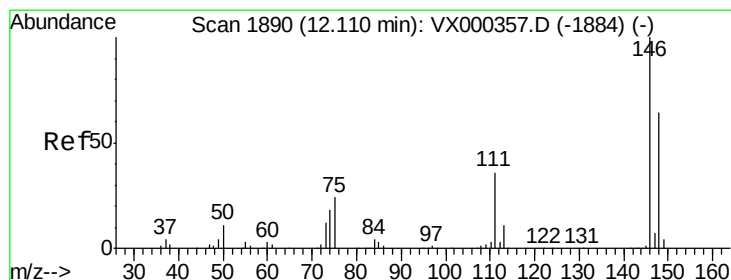
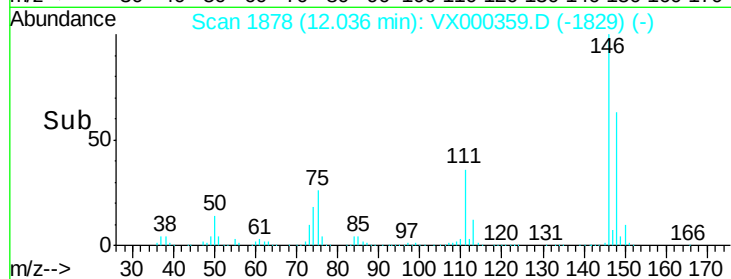
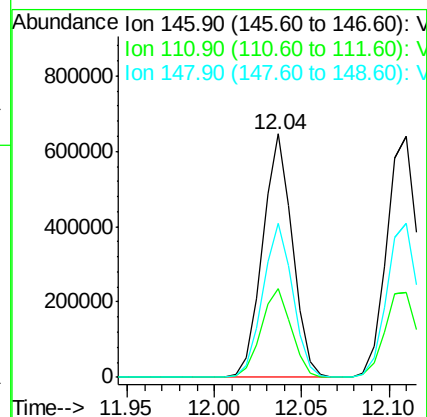
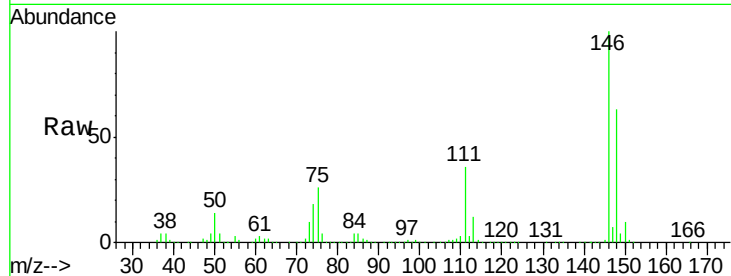




#87
 1,3-Dichlorobenzene
 Concen: 156.42 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

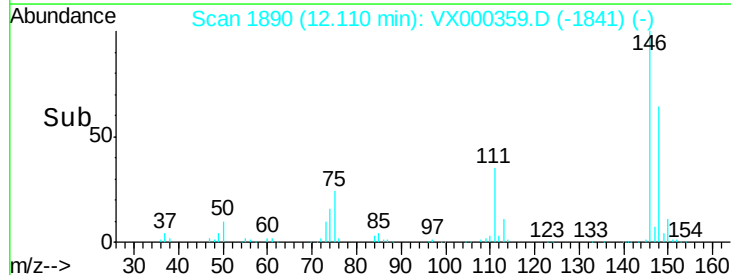
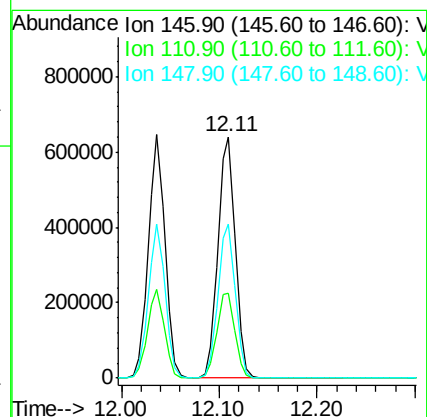
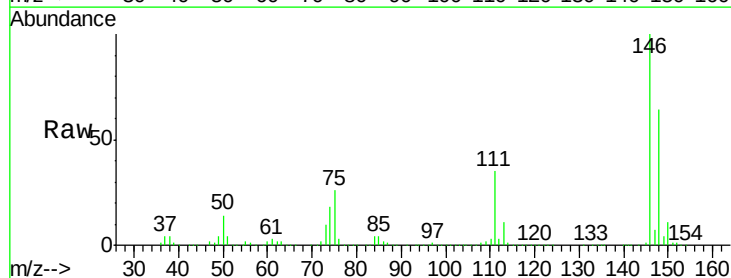
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

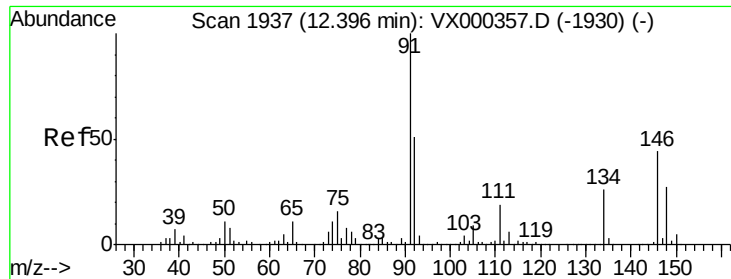
Tgt Ion:146 Resp: 763226
 Ion Ratio Lower Upper
 146 100
 111 37.0 19.5 58.5
 148 63.6 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 155.47 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion:146 Resp: 788297
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.9 56.9
 148 63.8 31.0 93.0





#89

n-Butylbenzene

Concen: 154.89 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

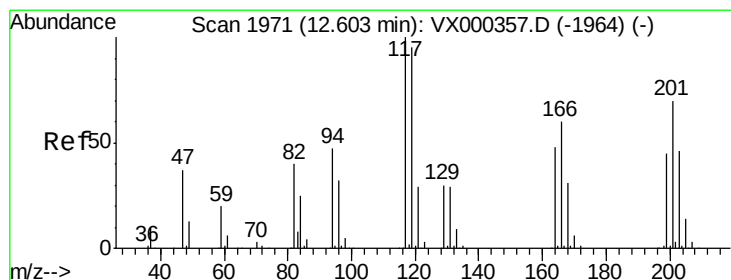
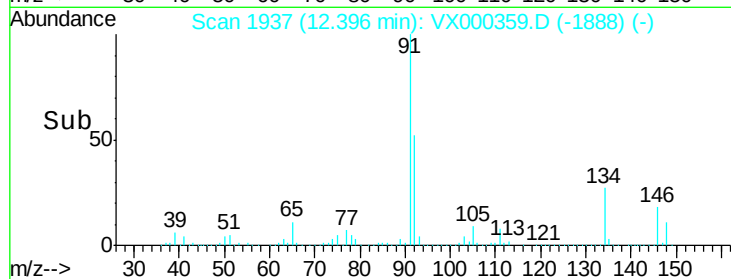
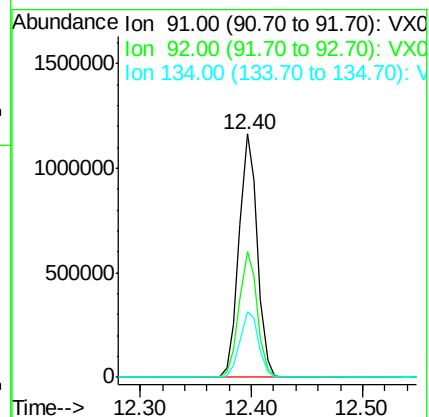
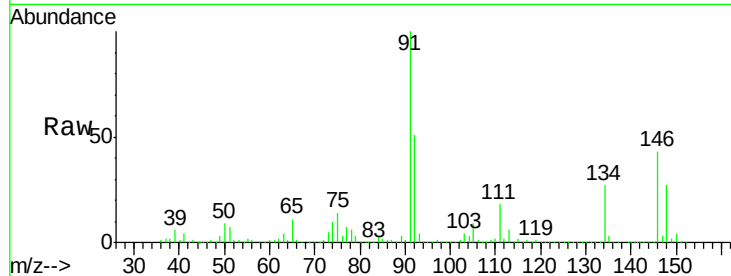
Tgt Ion: 91 Resp: 1320914

Ion Ratio Lower Upper

91 100

92 51.4 25.9 77.8

134 27.6 13.1 39.3



#90

Hexachloroethane

Concen: 171.35 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VX000359.D

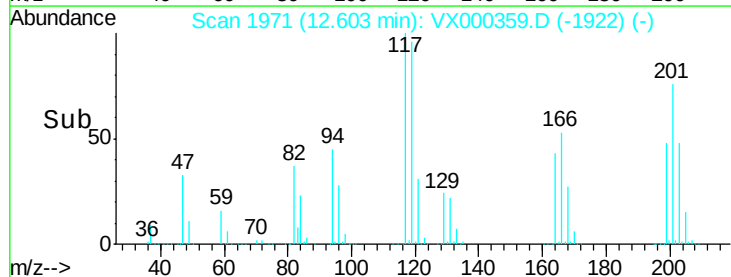
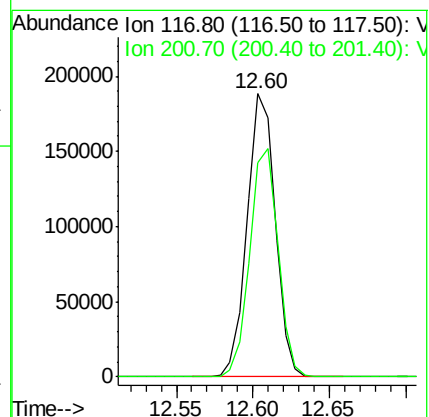
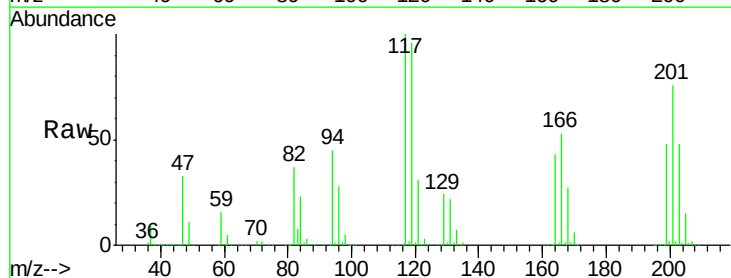
Acq: 20 Mar 2018 12:35

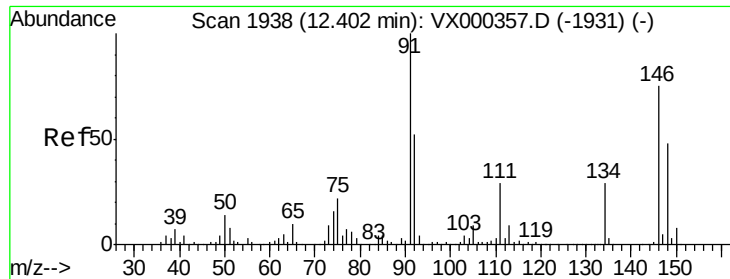
Tgt Ion: 117 Resp: 241067

Ion Ratio Lower Upper

117 100

201 81.2 37.9 113.6

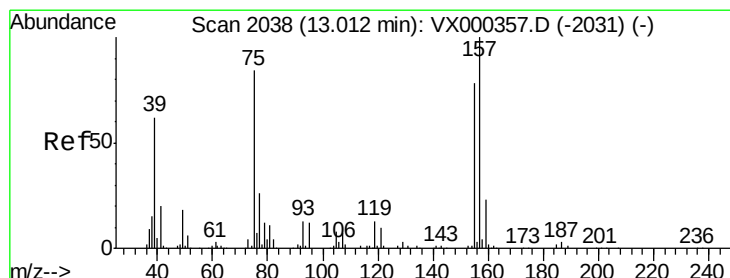
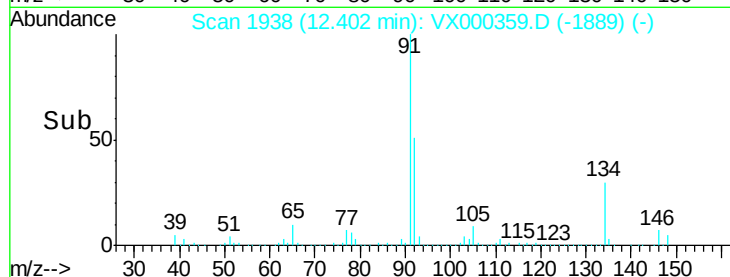
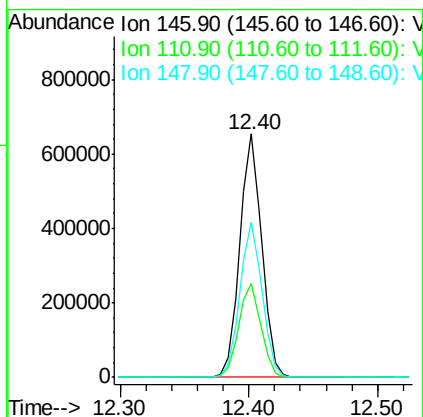
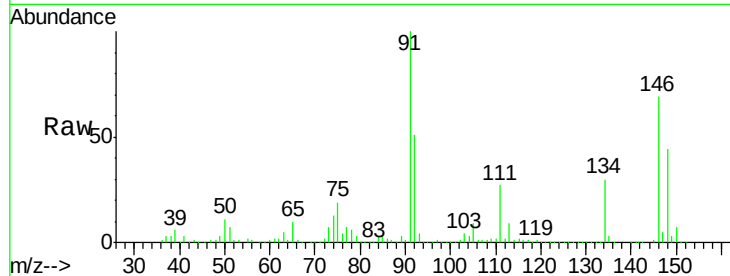




#91
 1,2-Dichlorobenzene
 Concen: 163.11 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

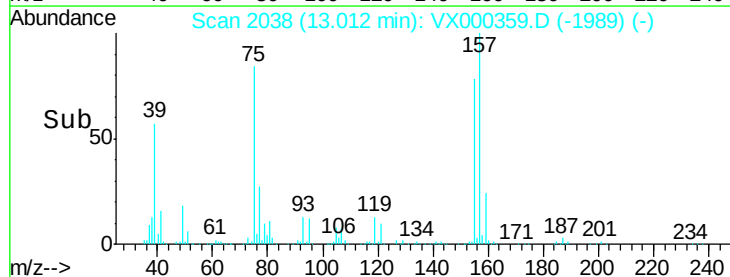
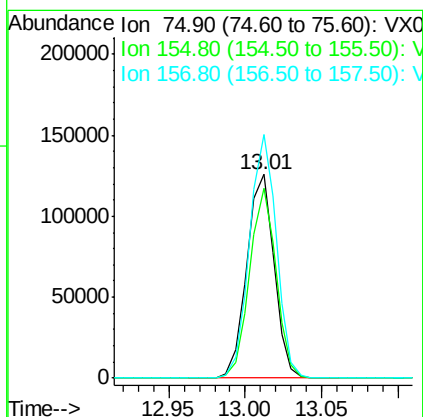
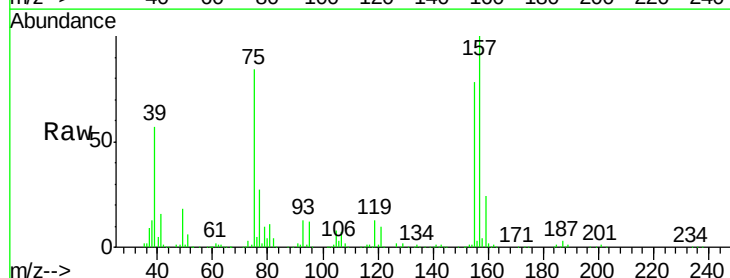
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

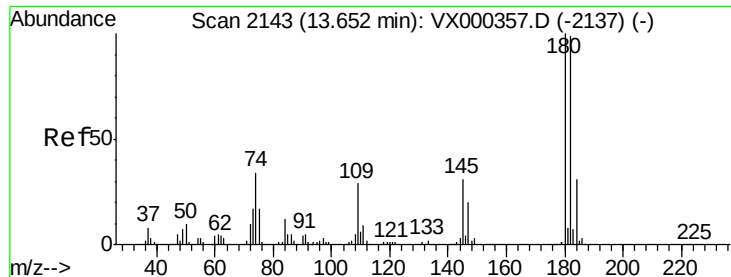
Tgt Ion:146 Resp: 770891
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.1 60.2
 148 64.1 31.2 93.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 171.26 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion: 75 Resp: 156340
 Ion Ratio Lower Upper
 75 100
 155 90.2 45.0 134.8
 157 117.8 58.1 174.2

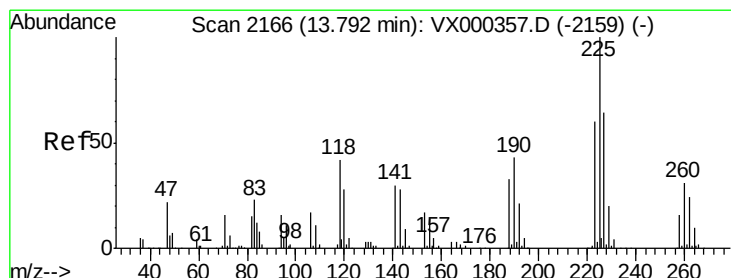
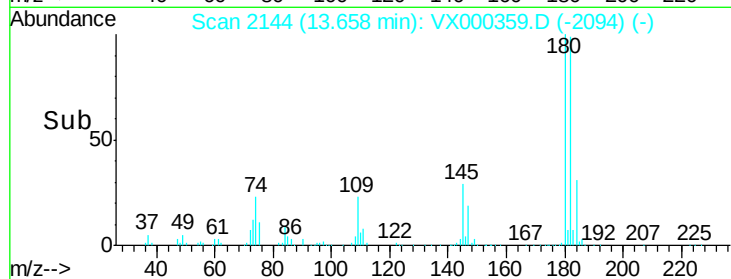
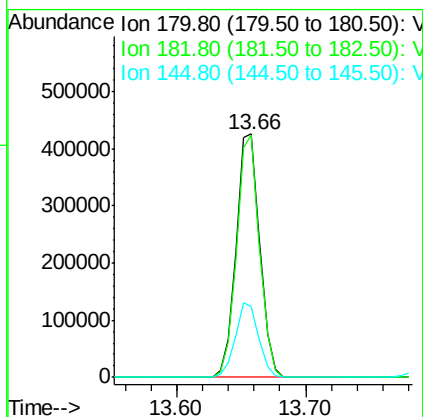
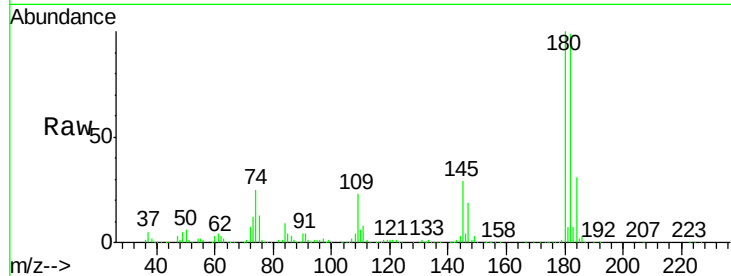




#93
 1,2,4-Trichlorobenzene
 Concen: 159.30 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

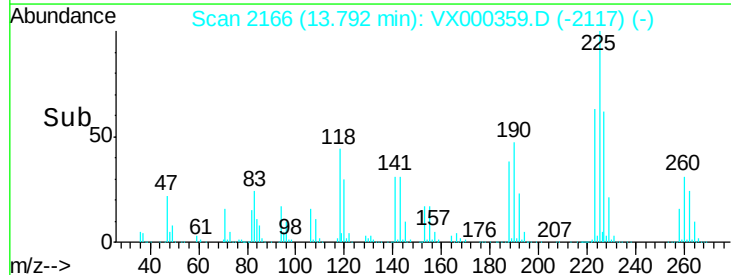
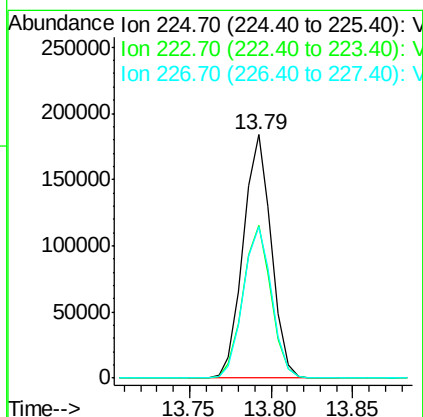
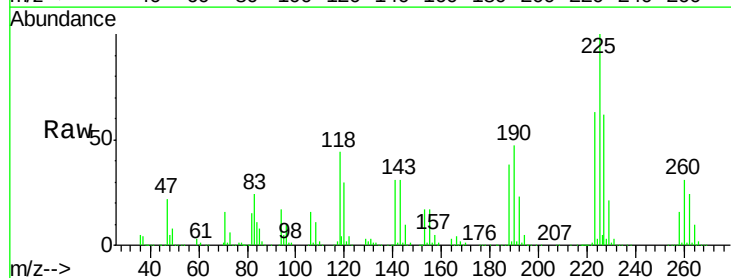
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

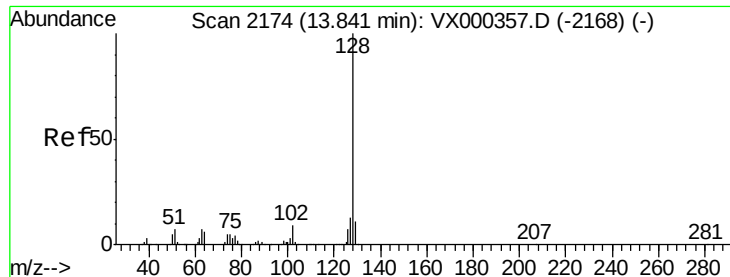
Tgt Ion:180 Resp: 542316
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.6 142.9
 145 30.2 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 163.75 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion:225 Resp: 219915
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.0 96.0
 227 63.3 32.6 98.0





#95

Naphthalene

Concen: 166.76 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

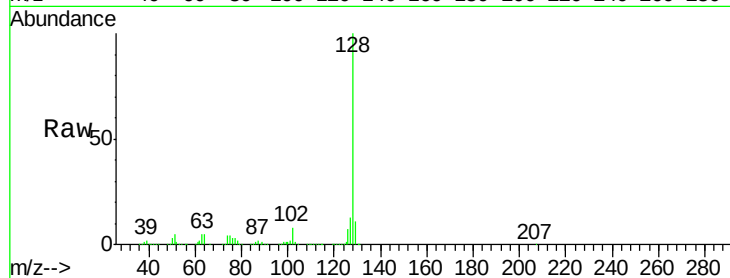
Tgt Ion:128 Resp: 1970096

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

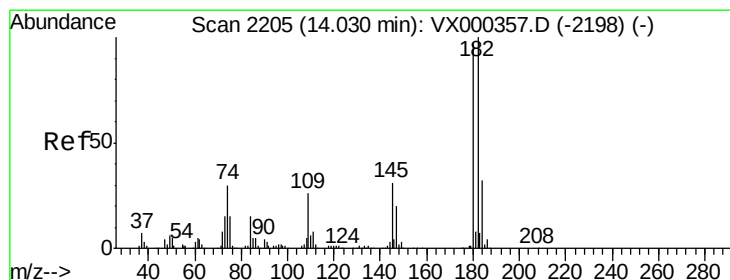
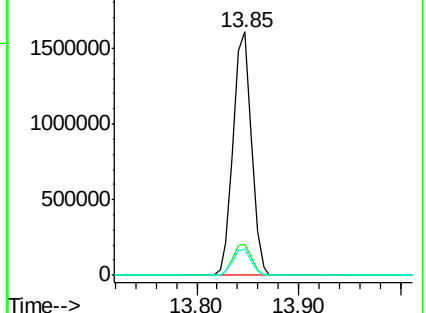
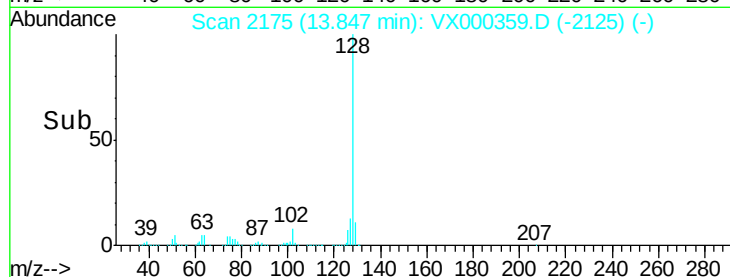
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 158.59 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

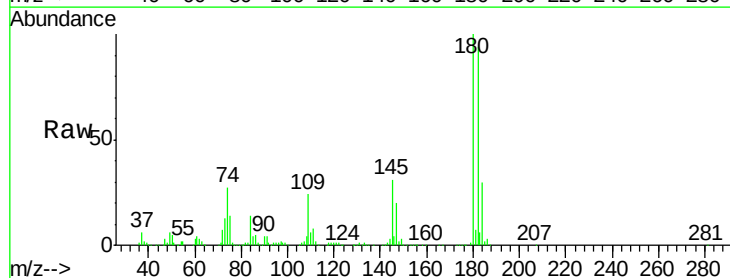
Tgt Ion:180 Resp: 545385

Ion Ratio Lower Upper

180 100

182 95.3 47.4 142.3

145 31.4 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

