

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003237.D
 Acq On : 07 Jul 2018 02:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 03:17:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	242527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	330688	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202519	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	123106	36.72	ug/l	0.00
Spiked Amount			Recovery	=	73.44%	
35) Dibromofluoromethane	5.51	113	107282	40.97	ug/l	0.00
Spiked Amount			Recovery	=	81.94%	
50) Toluene-d8	8.72	98	364875	38.15	ug/l	0.00
Spiked Amount			Recovery	=	76.30%	
62) 4-Bromofluorobenzene	11.14	95	145506	39.45	ug/l	0.00
Spiked Amount			Recovery	=	78.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	110899	51.22	ug/l	98
3) Chloromethane	1.32	50	118899	52.96	ug/l	98
4) Vinyl Chloride	1.40	62	130086	47.43	ug/l	96
5) Bromomethane	1.64	94	41781	31.63	ug/l	96
6) Chloroethane	1.71	64	79213	49.19	ug/l	100
7) Trichlorofluoromethane	1.92	101	205980	44.52	ug/l	94
8) Diethyl Ether	2.19	74	77844	46.28	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	119764	44.68	ug/l	96
10) Methyl Iodide	2.51	142	121273	45.28	ug/l	96
11) Tert butyl alcohol	3.09	59	157342	235.62	ug/l	100
12) 1,1-Dichloroethene	2.37	96	110136	46.05	ug/l	89
13) Acrolein	2.29	56	71239	193.40	ug/l	98
14) Allyl chloride	2.73	41	205386	43.56	ug/l	94
15) Acrylonitrile	3.15	53	343088	240.53	ug/l	100
16) Acetone	2.45	43	315136	227.00	ug/l	95
17) Carbon Disulfide	2.57	76	272044	42.69	ug/l	99
18) Methyl Acetate	2.78	43	174835	45.04	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	396070	46.06	ug/l	100
20) Methylene Chloride	2.85	84	129669	48.00	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	117548	45.12	ug/l	96
22) Diisopropyl ether	3.88	45	408923	45.37	ug/l	97
23) Vinyl Acetate	3.82	43	1740057	228.01	ug/l	100
24) 1,1-Dichloroethane	3.70	63	226453	46.23	ug/l	99
25) 2-Butanone	4.71	43	544910	264.48	ug/l	96
26) 2,2-Dichloropropane	4.59	77	139154	34.94	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	153158	52.43	ug/l	90
28) Bromochloromethane	5.03	49	117114	49.95	ug/l	90
29) Tetrahydrofuran	5.17	42	348741	263.96	ug/l	96
30) Chloroform	5.22	83	256483	51.02	ug/l	94
31) Cyclohexane	5.57	56	204803	48.72	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	222727	50.36	ug/l	98
36) 1,1-Dichloropropene	5.80	75	179605	49.53	ug/l	98
37) Ethyl Acetate	4.87	43	208526	53.41	ug/l	99
38) Carbon Tetrachloride	5.78	117	199714	50.18	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003237.D
 Acq On : 07 Jul 2018 02:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 03:17:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	205750	48.71	ug/l	97
40) Benzene	6.15	78	547157	51.93	ug/l	100
41) Methacrylonitrile	5.07	41	119220	53.02	ug/l	97
42) 1,2-Dichloroethane	6.20	62	206777	48.58	ug/l	98
43) Isopropyl Acetate	6.47	43	330957	50.54	ug/l	97
44) Trichloroethene	7.21	130	161663	51.46	ug/l	98
45) 1,2-Dichloropropane	7.52	63	143104	51.20	ug/l	99
46) Dibromomethane	7.67	93	99118	51.10	ug/l	95
47) Bromodichloromethane	7.90	83	188444	52.55	ug/l	97
48) Methyl methacrylate	7.78	41	172197	51.03	ug/l	93
49) 1,4-Dioxane	7.76	88	73505	1119.71	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1091619	266.44	ug/l	96
52) Toluene	8.79	92	350040	51.86	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	209332	51.55	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	193933	49.63	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	147611	53.22	ug/l	98
56) Ethyl methacrylate	9.18	69	217435	53.64	ug/l	92
57) 1,3-Dichloropropane	9.38	76	240190	52.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	490438	250.77	ug/l	97
59) 2-Hexanone	9.50	43	830961	266.86	ug/l	96
60) Dibromochloromethane	9.59	129	159301	54.56	ug/l	99
61) 1,2-Dibromoethane	9.68	107	155791	53.55	ug/l	99
64) Tetrachloroethene	9.34	164	202646	57.29	ug/l	99
65) Chlorobenzene	10.14	112	410895	50.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	154845	52.75	ug/l	99
67) Ethyl Benzene	10.26	91	680525	50.98	ug/l	100
68) m/p-Xylenes	10.36	106	530913	103.20	ug/l	98
69) o-Xylene	10.70	106	260864	52.08	ug/l	97
70) Styrene	10.71	104	441338	54.22	ug/l	99
71) Bromoform	10.86	173	126749	47.96	ug/l	100
73) Isopropylbenzene	11.02	105	708478	52.00	ug/l	99
74) N-amyl acetate	6.47	43	330957	49.65	ug/l	# 97
75) 1,1,2,2-Tetrachloroethane	11.27	83	215649	51.38	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	244780	66.73	ug/l	80
77) Bromobenzene	11.26	156	199800	51.50	ug/l	96
78) n-propylbenzene	11.37	91	788454	50.84	ug/l	98
79) 2-Chlorotoluene	11.43	91	469925	50.05	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	594186	51.78	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	54372	43.47	ug/l	96
82) 4-Chlorotoluene	11.51	91	552325	49.69	ug/l	98
83) tert-Butylbenzene	11.77	119	573176	50.68	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	610041	51.31	ug/l	98
85) sec-Butylbenzene	11.95	105	700989	51.10	ug/l	99
86) p-Isopropyltoluene	12.07	119	635066	51.49	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	357186	50.41	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	362812	49.75	ug/l	98
89) n-Butylbenzene	12.39	91	519909	48.43	ug/l	99
90) Hexachloroethane	12.60	117	94201	51.35	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	365186	51.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48160	51.05	ug/l	93

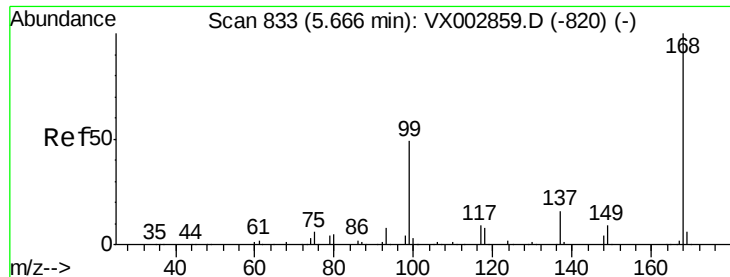
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
Data File : VX003237.D
Acq On : 07 Jul 2018 02:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 07 03:17:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	271403	52.14	ug/l	100
94) Hexachlorobutadiene	13.79	225	128848	49.63	ug/l	100
95) Naphthalene	13.84	128	769240	55.49	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	284159	54.66	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

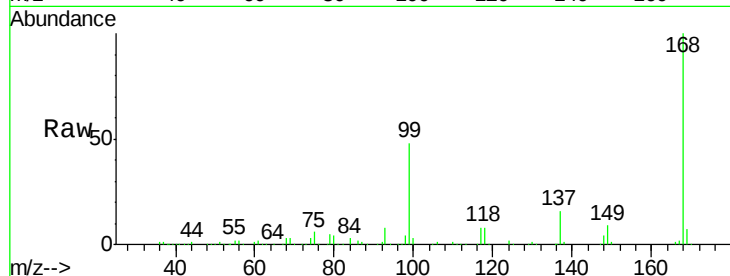
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 242527

Ion Ratio Lower Upper

168 100

99 47.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

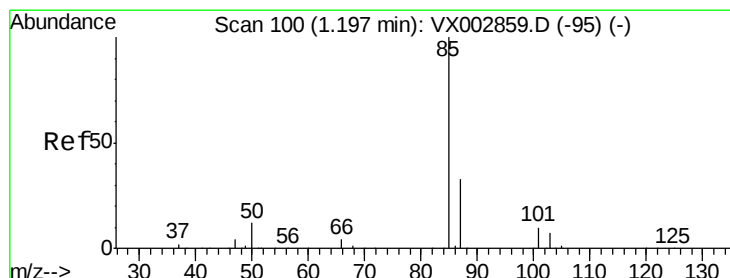
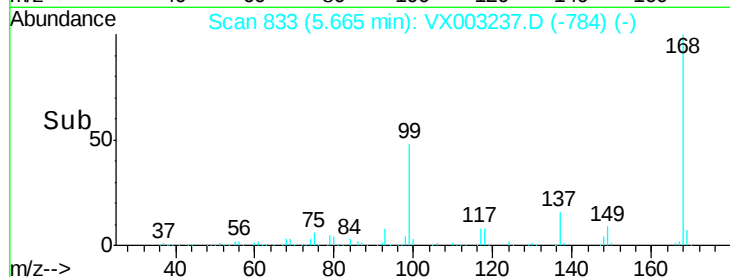
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.22 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003237.D

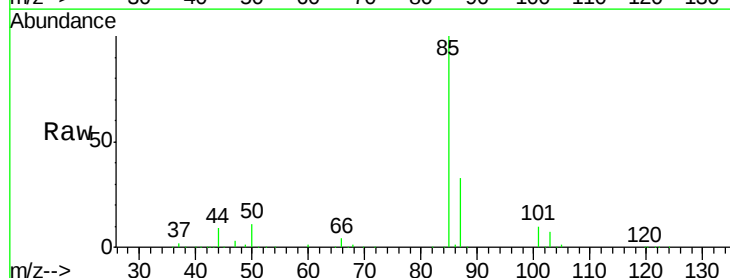
Acq: 07 Jul 2018 02:27

Tgt Ion: 85 Resp: 110899

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

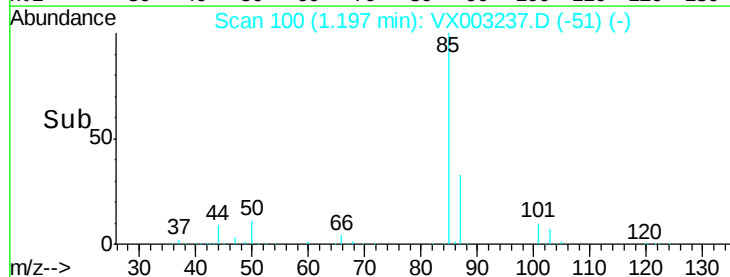
40000

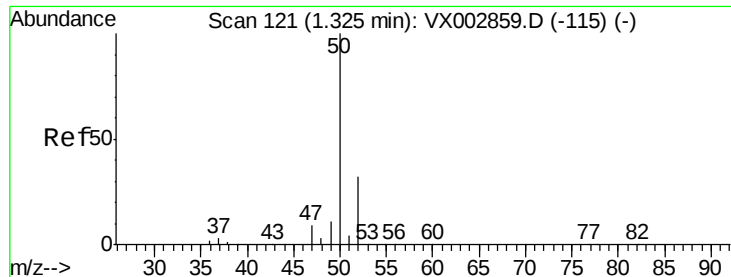
20000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 52.96 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

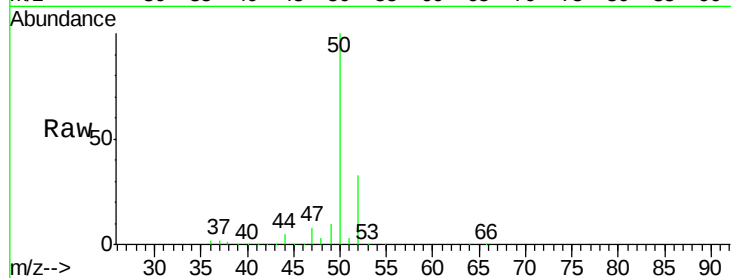
ClientSampleId :

Tot Ion: 50 Resp: 118899

Ion Ratio Lower Upper

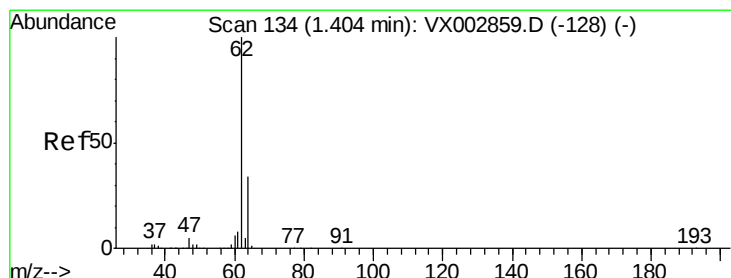
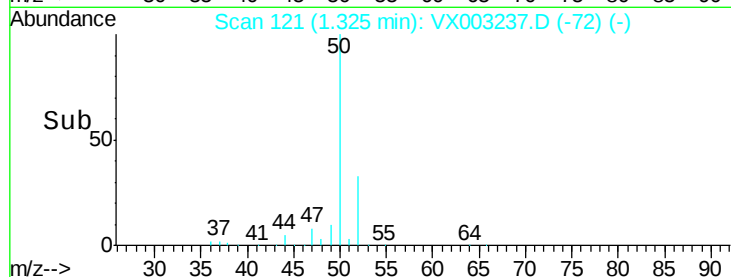
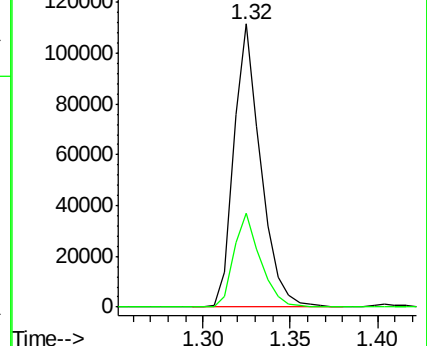
50 100

52 33.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.43 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003237.D

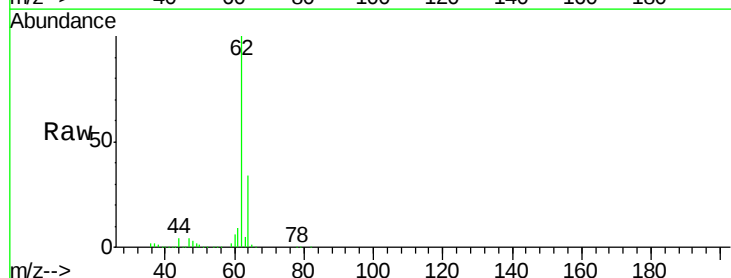
Acq: 07 Jul 2018 02:27

Tgt Ion: 62 Resp: 130086

Ion Ratio Lower Upper

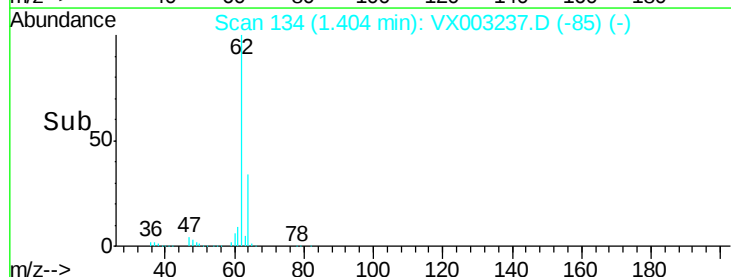
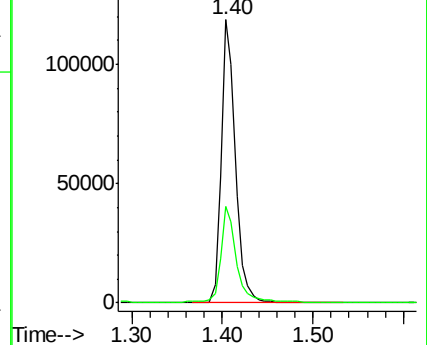
62 100

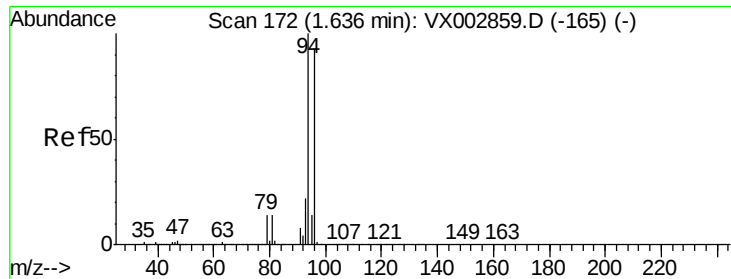
64 33.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 31.63 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

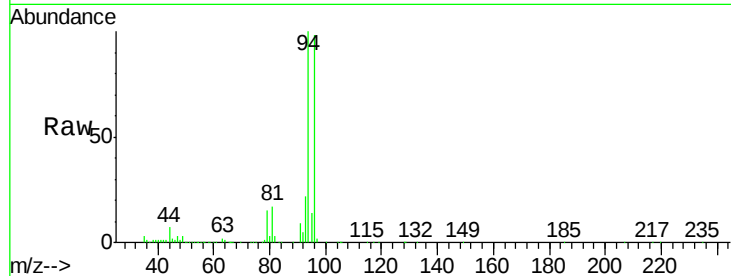
ClientSampleId :

Tot Ion: 94 Resp: 41781

Ion Ratio Lower Upper

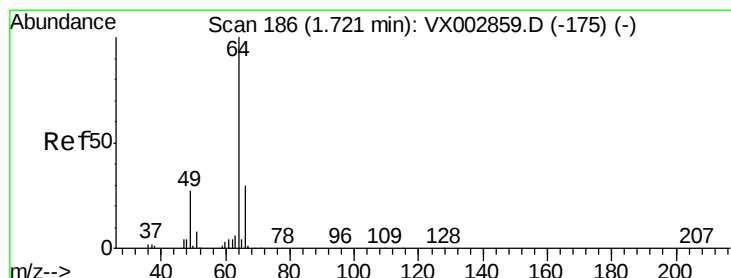
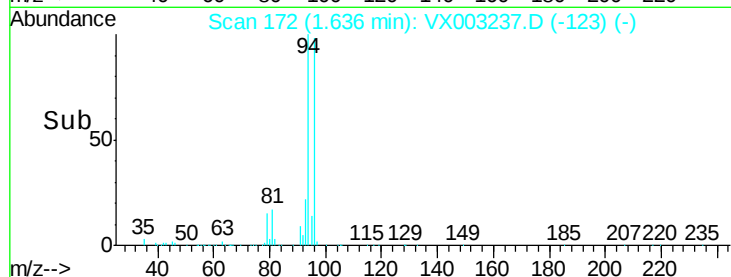
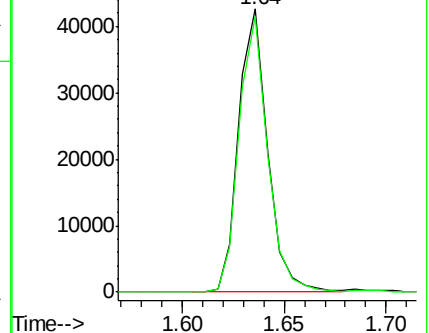
94 100

96 97.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.19 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003237.D

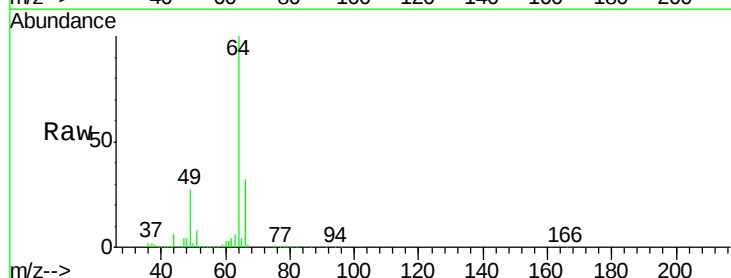
Acq: 07 Jul 2018 02:27

Tgt Ion: 64 Resp: 79213

Ion Ratio Lower Upper

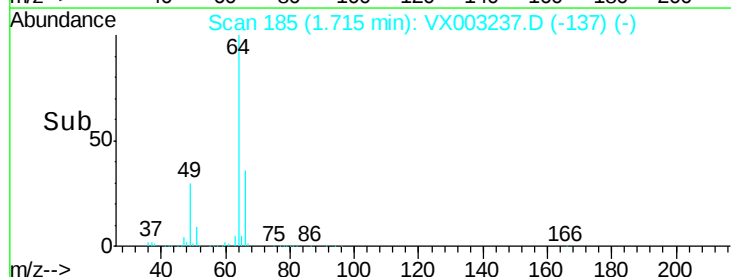
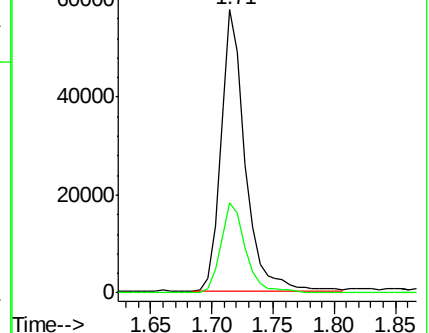
64 100

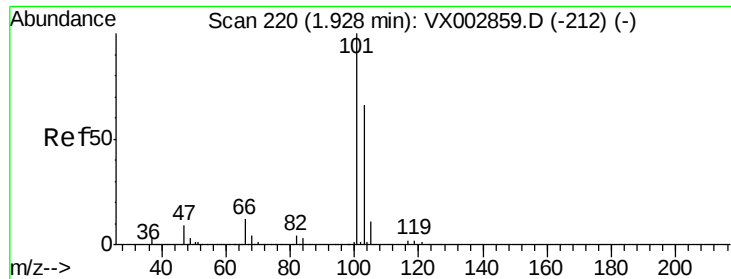
66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



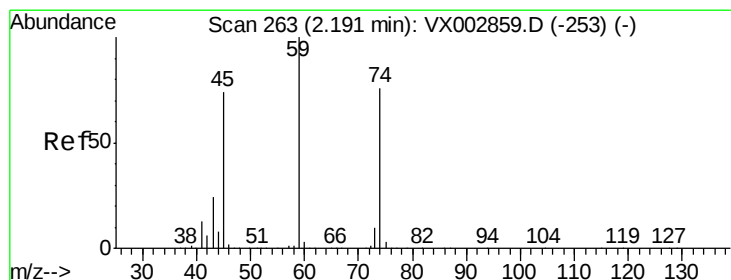
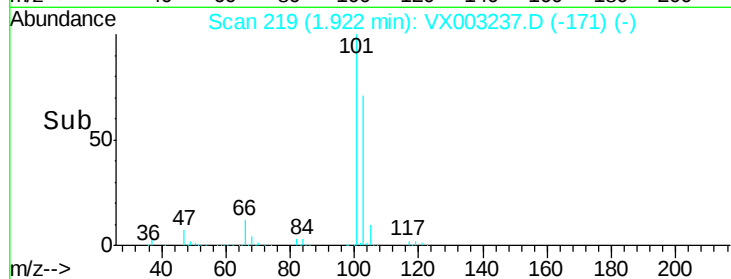
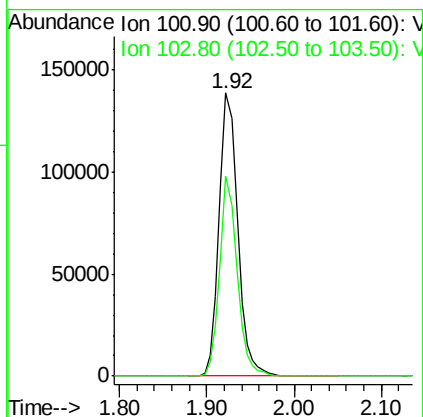
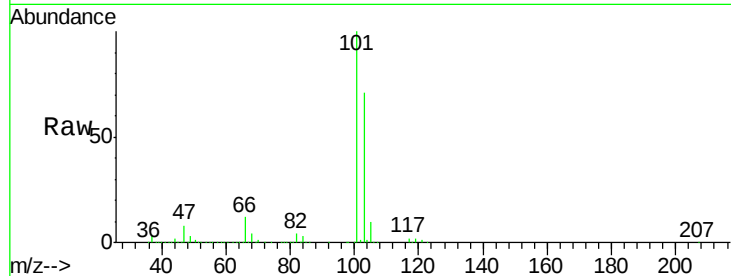


#7

Trichlorofluoromethane
 Concen: 44.52 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

Instrument :
 MSVOA_X
 ClientSampleId :

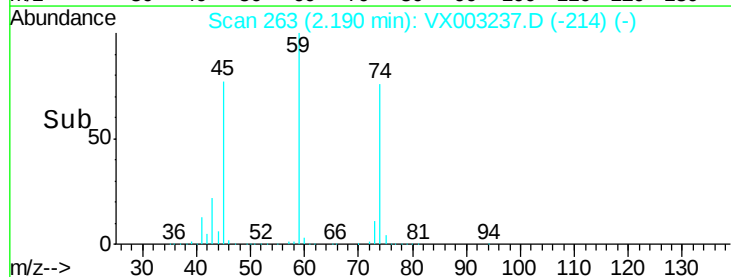
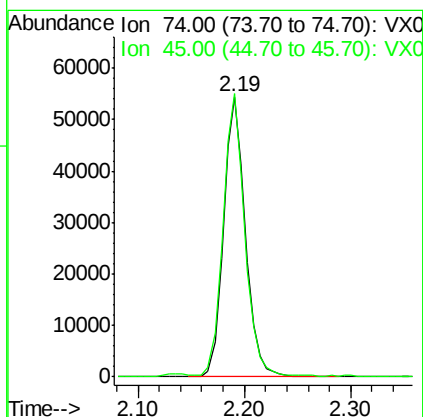
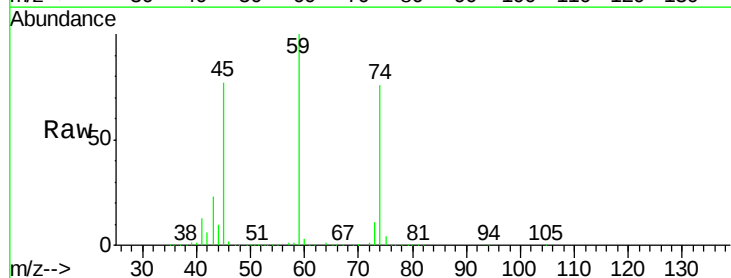
Tot Ion:101 Resp: 205980
 Ion Ratio Lower Upper
 101 100
 103 70.9 52.8 79.2



#8

Diethyl Ether
 Concen: 46.28 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

Tgt Ion: 74 Resp: 77844
 Ion Ratio Lower Upper
 74 100
 45 99.1 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.68 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

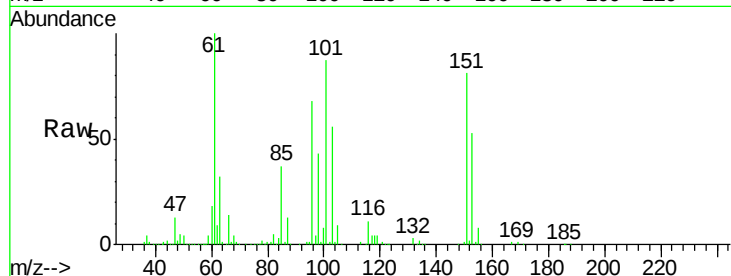
Tot Ion:101 Resp: 119764

Ion Ratio Lower Upper

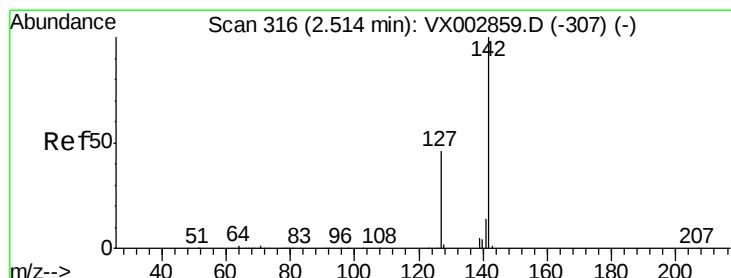
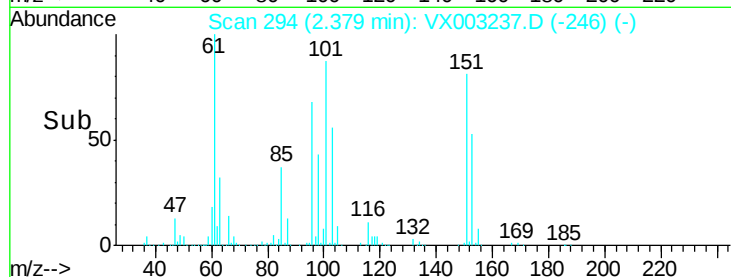
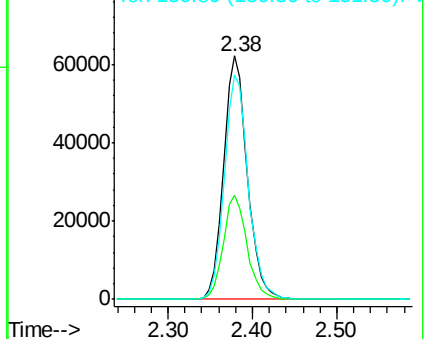
101 100

85 42.9 36.0 54.0

151 93.3 70.9 106.3



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: 45.28 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

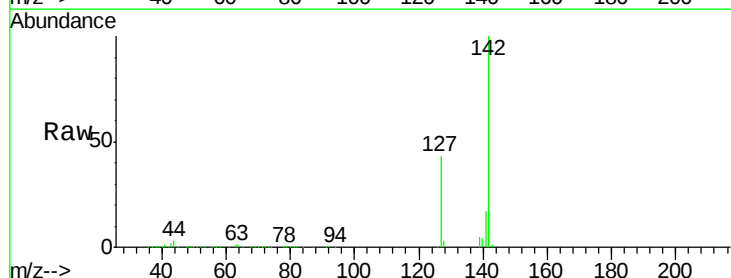
Tgt Ion:142 Resp: 121273

Ion Ratio Lower Upper

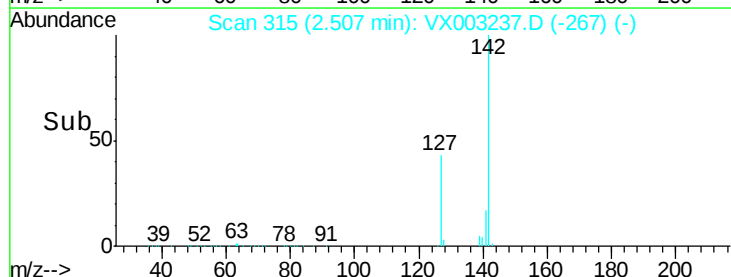
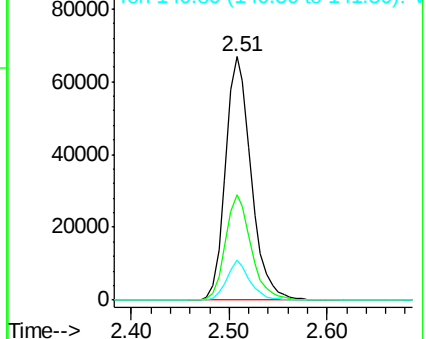
142 100

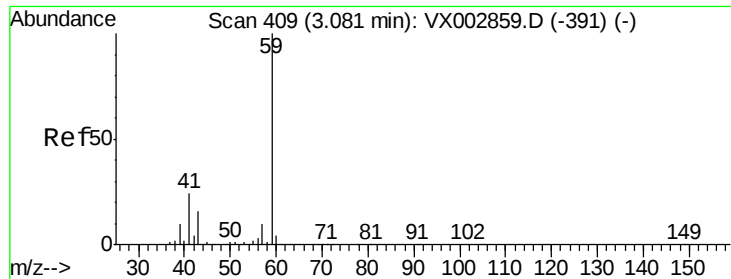
127 43.2 36.6 55.0

141 15.0 11.3 16.9



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



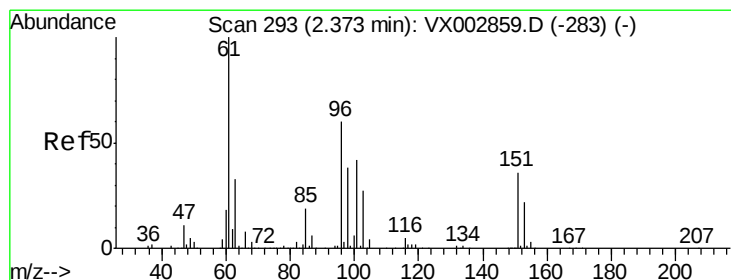
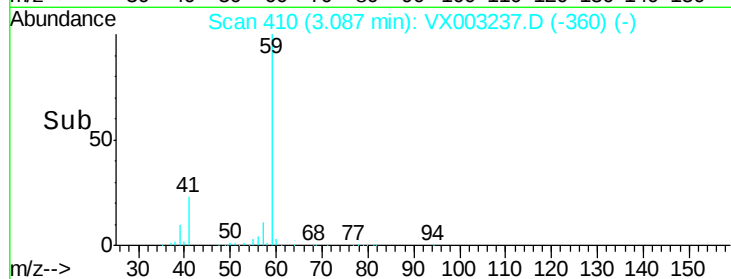
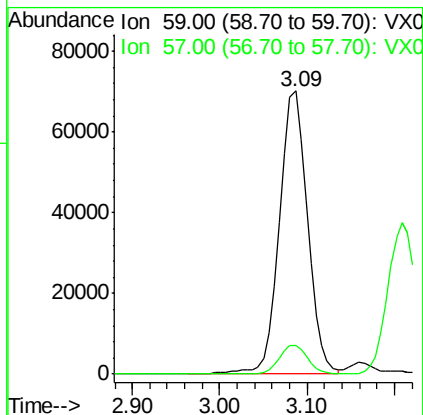
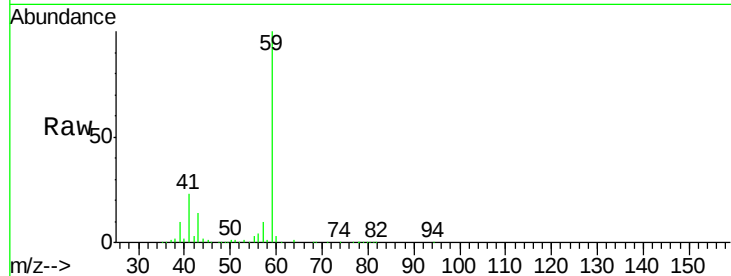


#11

Tert butyl alcohol
Concen: 235.62 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Instrument :
MSVOA_X
ClientSampled :

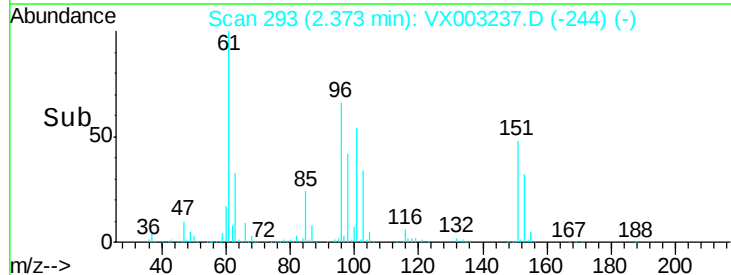
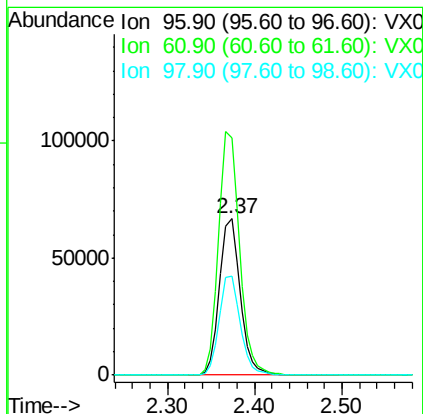
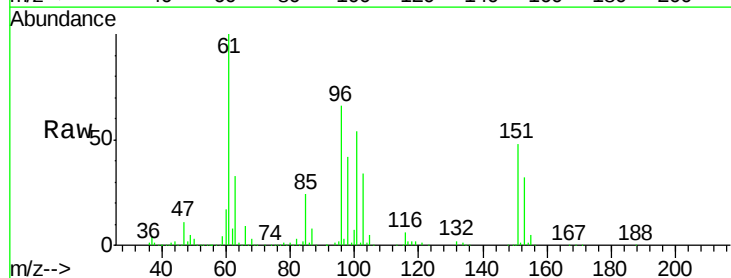
Tot Ion: 59 Resp: 157342
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2



#12

1,1-Dichloroethene
Concen: 46.05 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion: 96 Resp: 110136
Ion Ratio Lower Upper
96 100
61 151.7 137.9 206.9
98 63.4 51.6 77.4





#13

Acrolein

Concen: 193.40 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

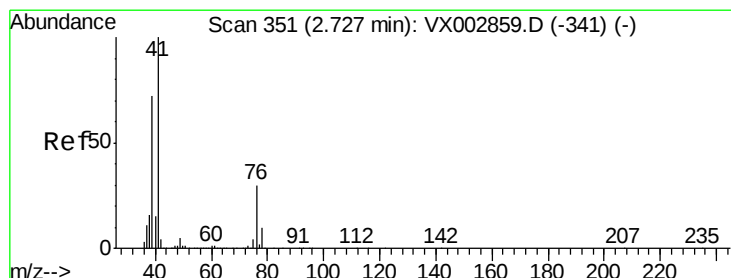
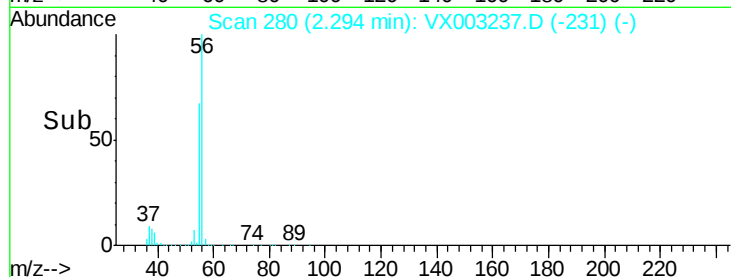
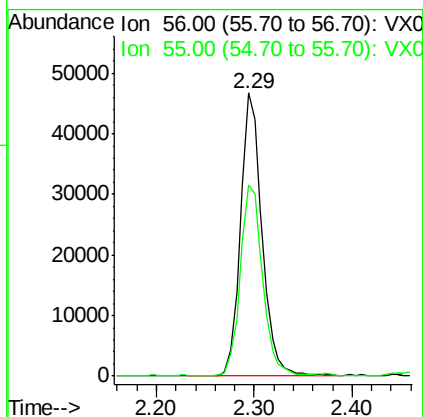
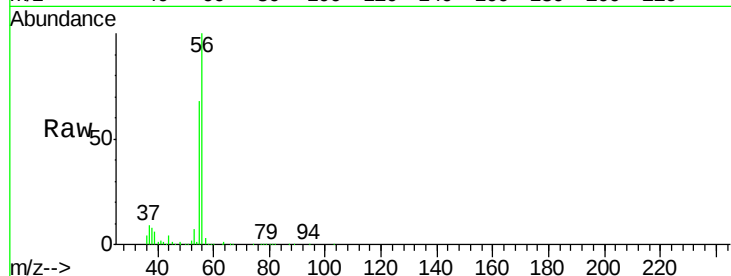
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 71239

Ion Ratio Lower Upper

56 100

55 69.6 57.0 85.4



#14

Allyl chloride

Concen: 43.56 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

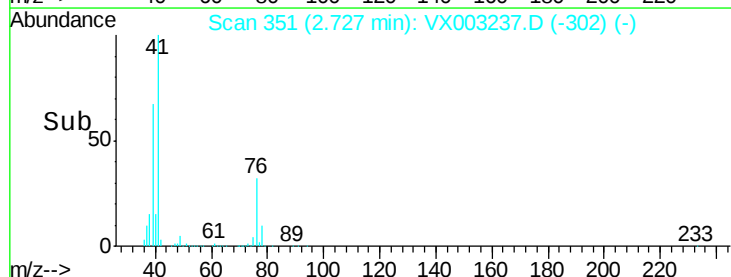
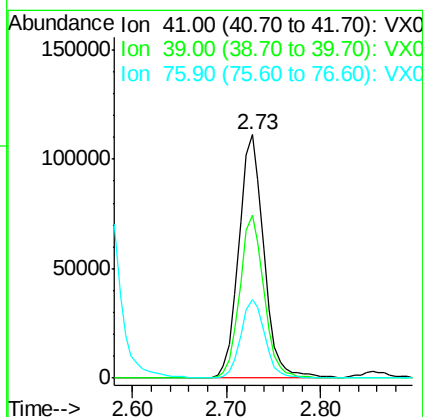
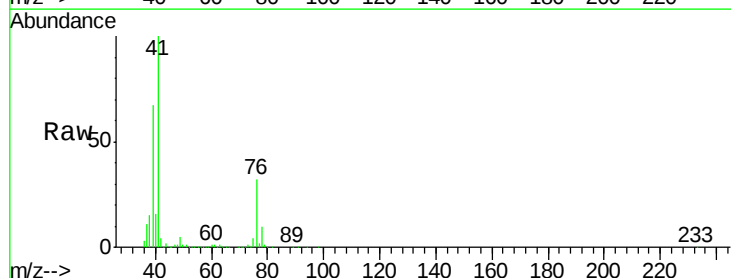
Tgt Ion: 41 Resp: 205386

Ion Ratio Lower Upper

41 100

39 64.8 56.8 85.2

76 31.2 23.8 35.8





#15

Acrylonitrile

Concen: 240.53 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :
MSVOA_X
ClientSampled :

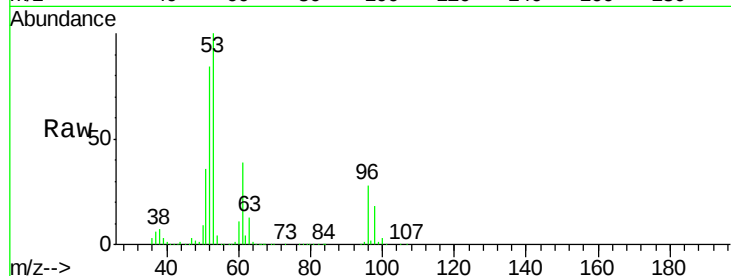
Tot Ion: 53 Resp: 343088

Ion Ratio Lower Upper

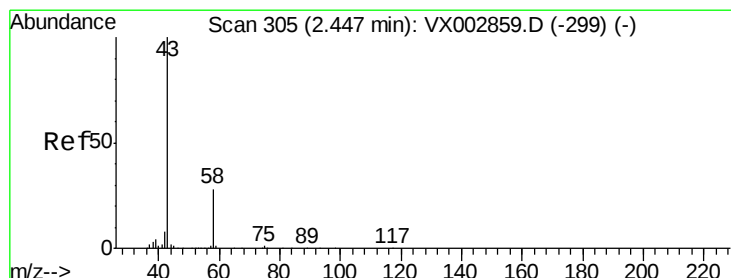
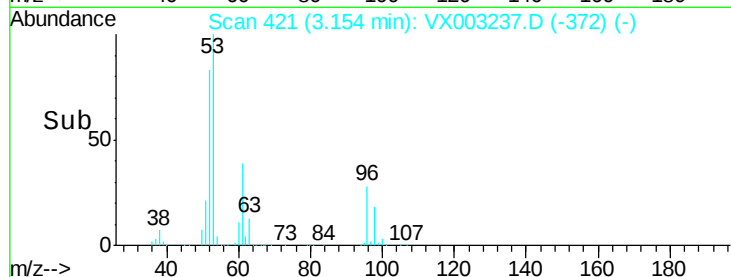
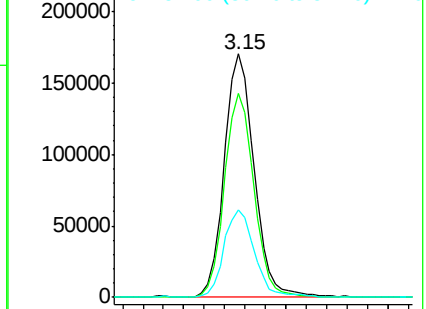
53 100

52 83.7 66.7 100.1

51 37.1 29.9 44.9



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: 227.00 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003237.D

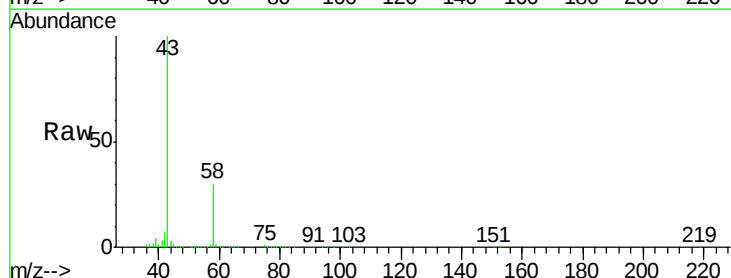
Acq: 07 Jul 2018 02:27

Tgt Ion: 43 Resp: 315136

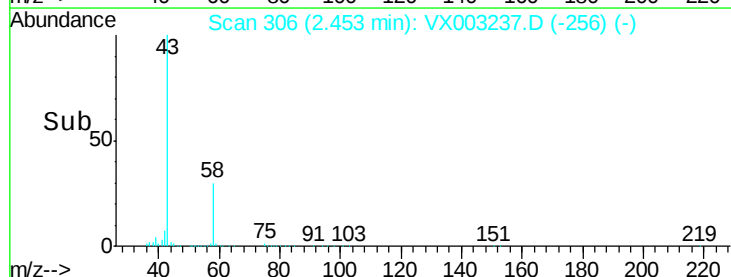
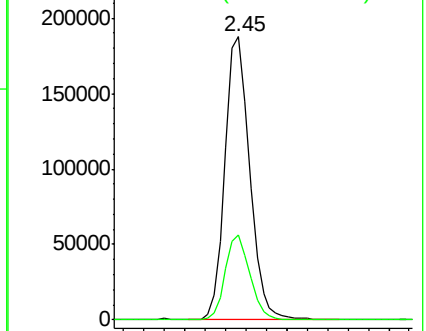
Ion Ratio Lower Upper

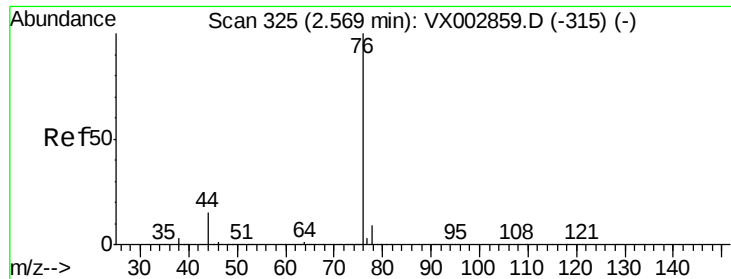
43 100

58 30.1 22.1 33.1



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

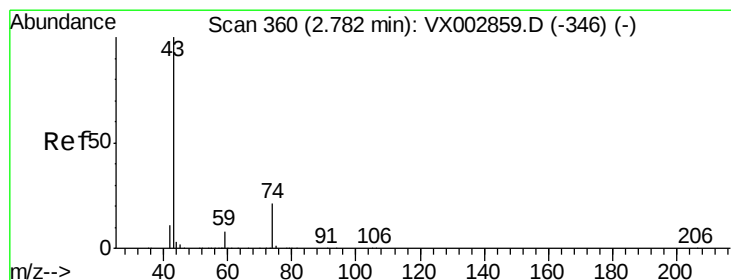
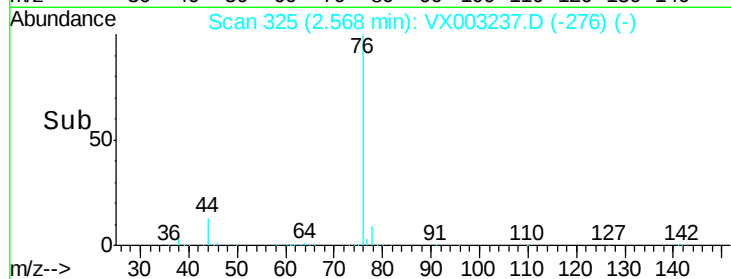
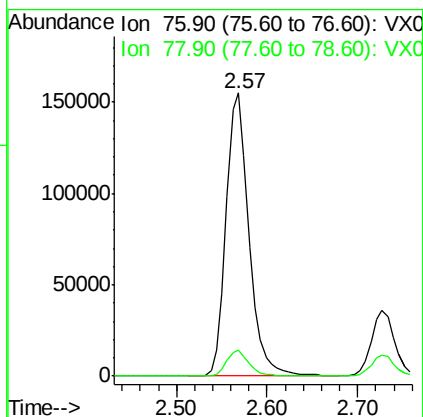
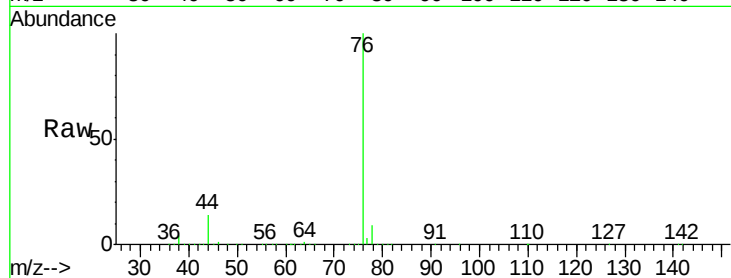




#17
Carbon Disulfide
Concen: 42.69 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

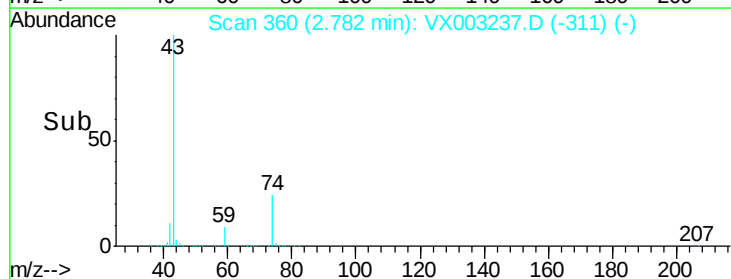
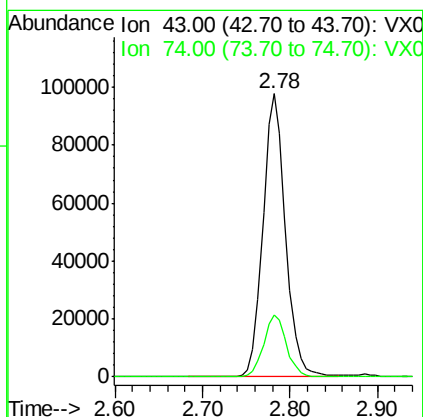
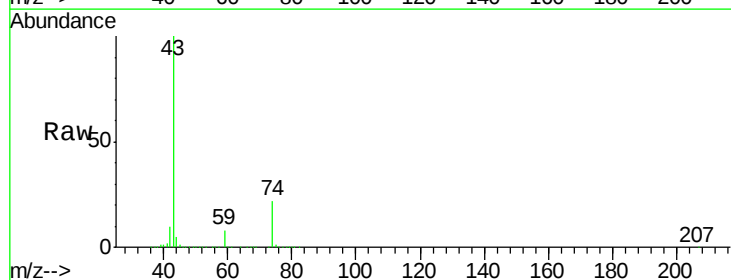
Instrument :
MSVOA_X
ClientSampleId :

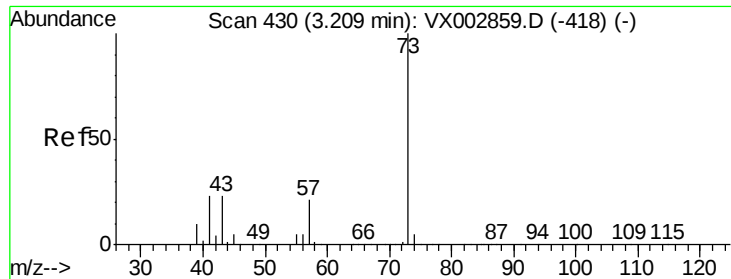
Tot Ion: 76 Resp: 272044
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 45.04 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion: 43 Resp: 174835
Ion Ratio Lower Upper
43 100
74 21.5 16.7 25.1

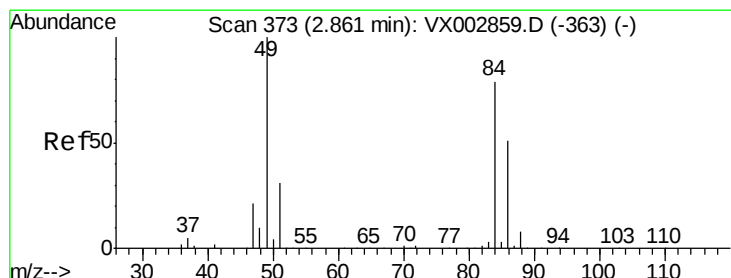
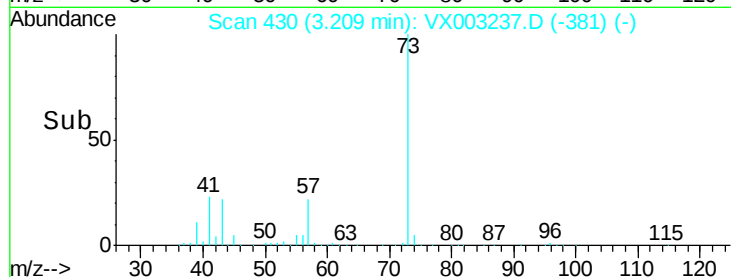
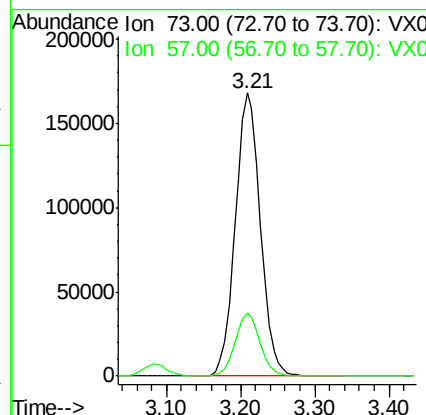
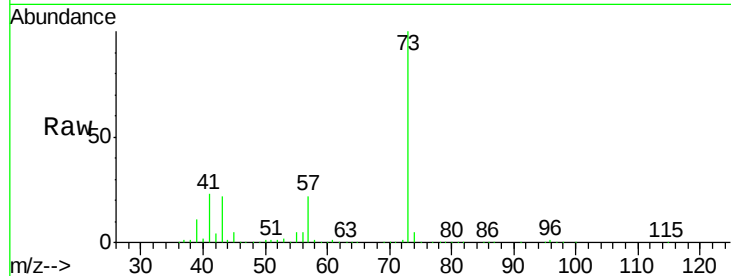




#19
Methvl tert-butvl Ether
Concen: 46.06 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

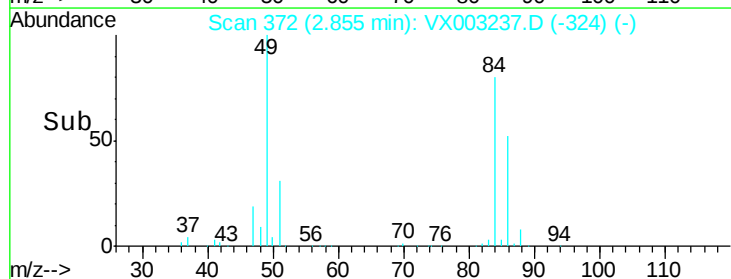
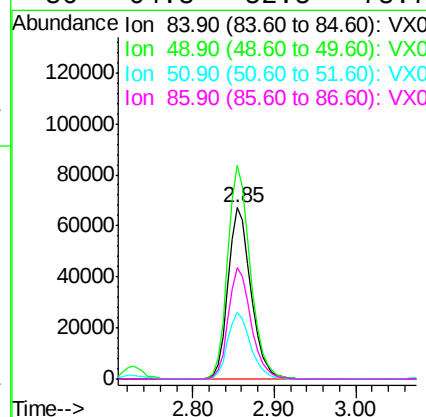
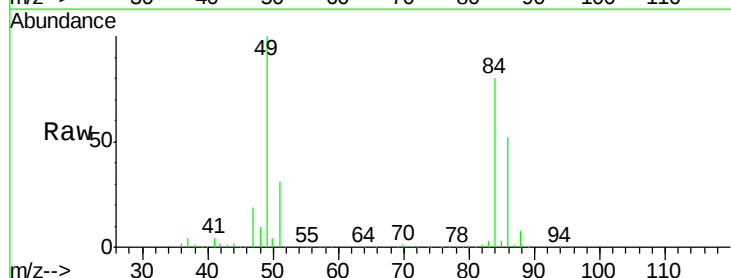
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 73 Resp: 396070
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5



#20
Methylene Chloride
Concen: 48.00 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion: 84 Resp: 129669
Ion Ratio Lower Upper
84 100
49 124.9 107.8 161.6
51 38.7 32.8 49.2
86 64.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 45.12 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampled :

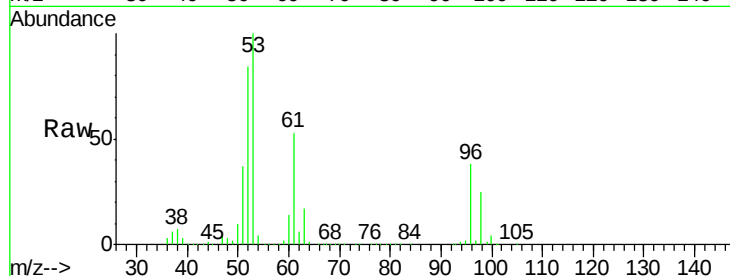
Tot Ion: 96 Resp: 117548

Ion Ratio Lower Upper

96 100

61 139.7 117.0 175.4

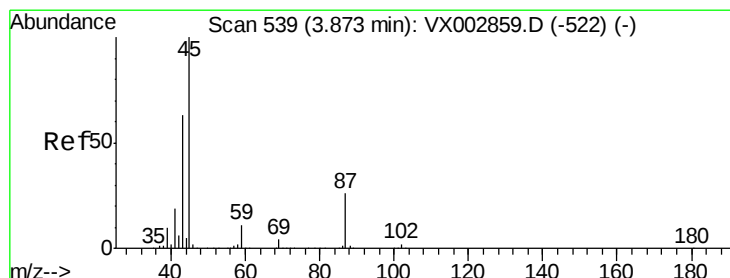
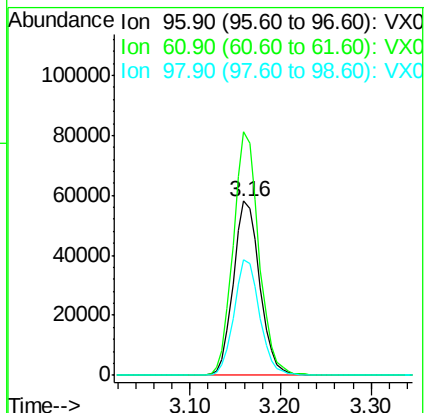
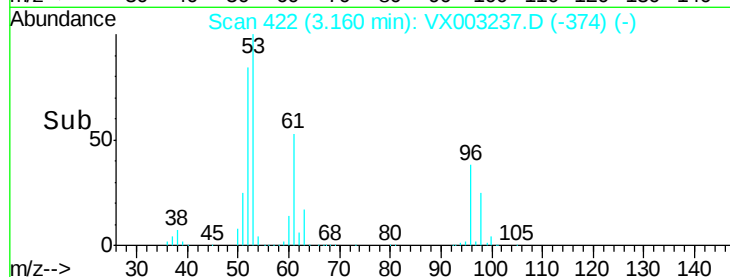
98 66.7 52.4 78.6



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: 45.37 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Tgt Ion: 45 Resp: 408923

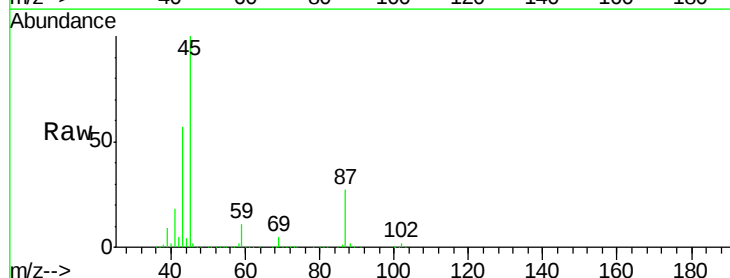
Ion Ratio Lower Upper

45 100

43 56.8 46.8 70.2

87 27.4 20.2 30.4

59 10.8 8.7 13.1

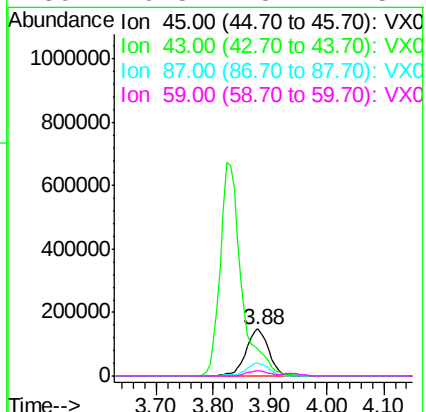
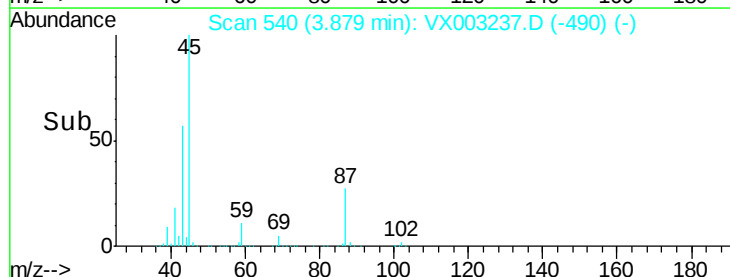


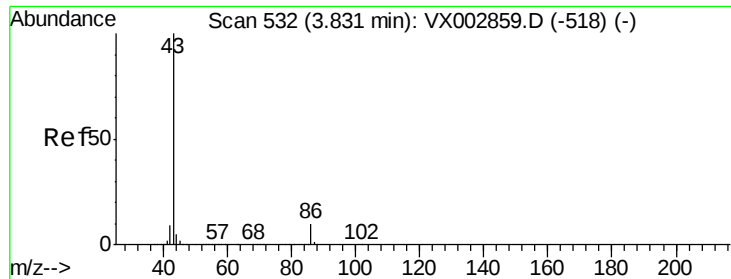
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 228.01 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

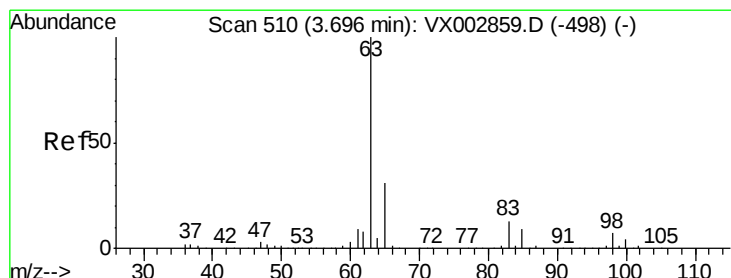
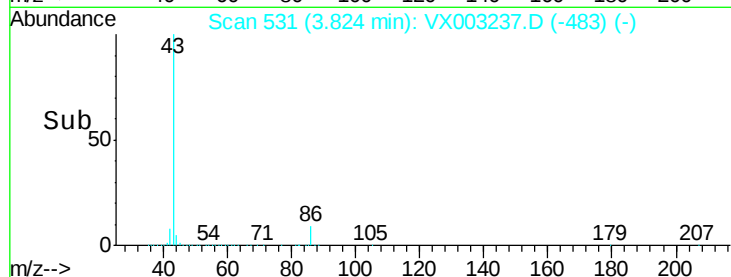
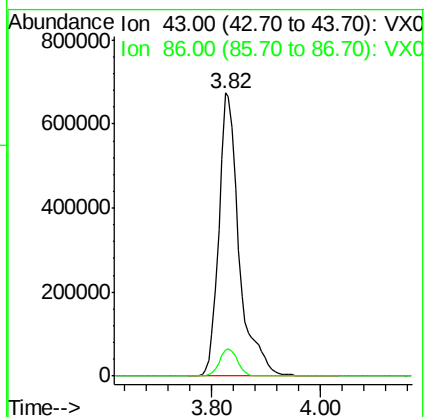
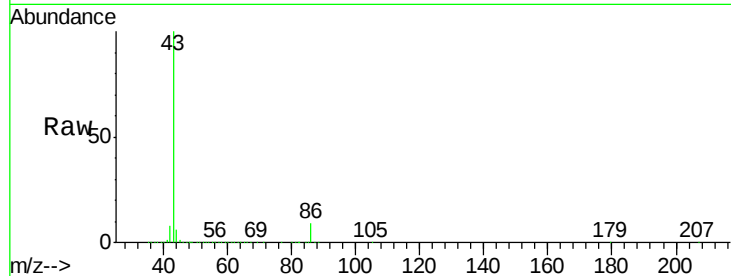
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1740057

Ion Ratio Lower Upper

43 100

86 9.1 7.4 11.0



#24

1,1-Dichloroethane

Concen: 46.23 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

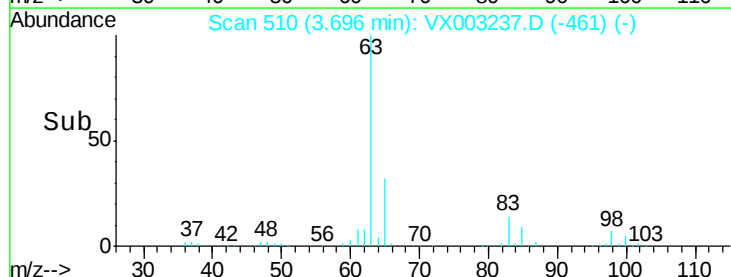
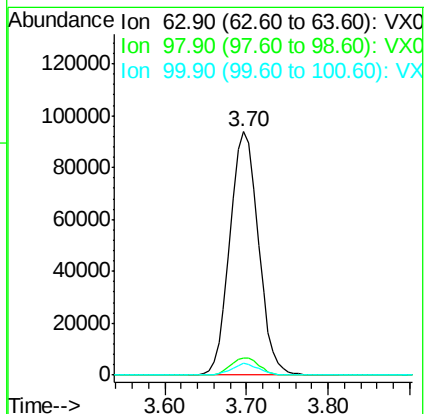
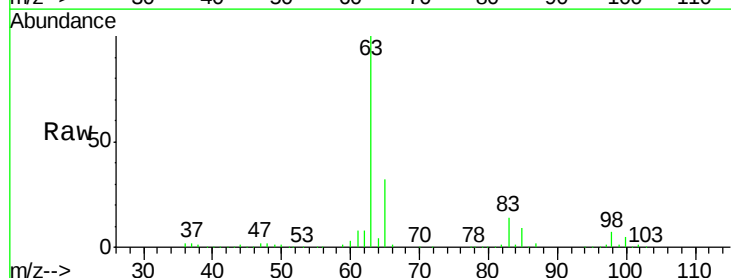
Tgt Ion: 63 Resp: 226453

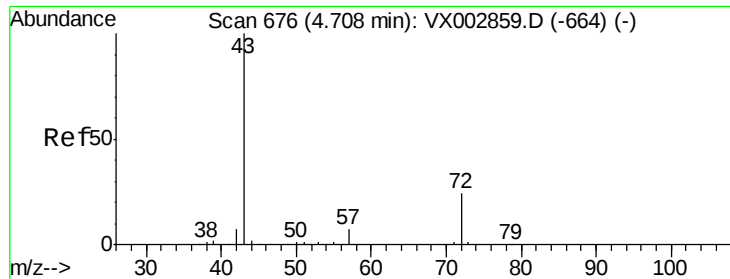
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.7 2.0 6.0





#25

2-Butanone

Concen: 264.48 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

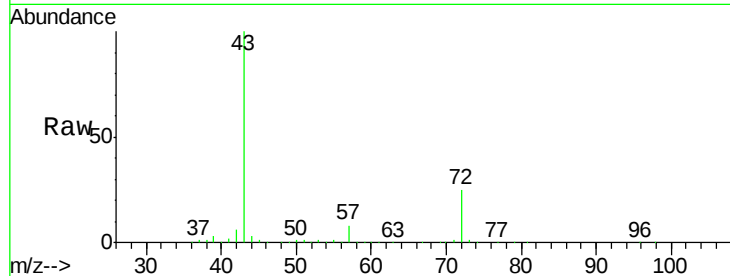
ClientSampled :

Tot Ion: 43 Resp: 544910

Ion Ratio Lower Upper

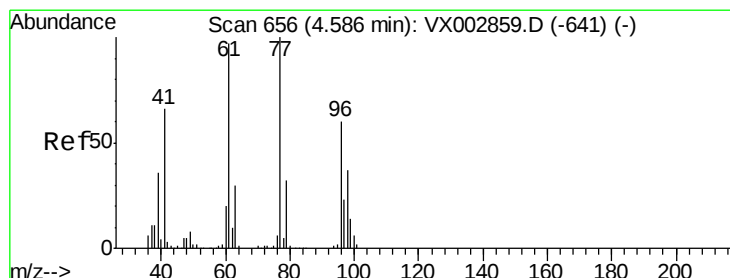
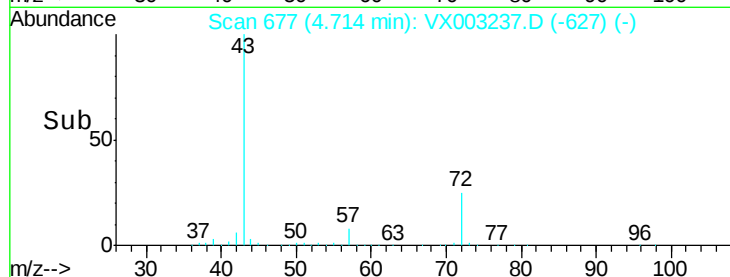
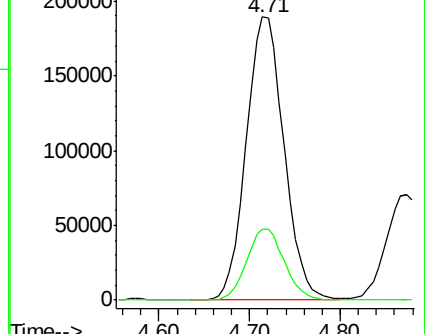
43 100

72 25.2 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 34.94 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003237.D

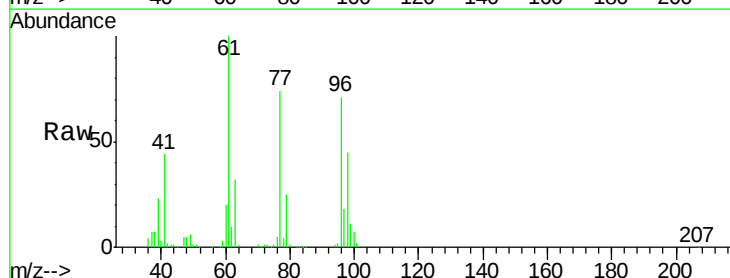
Acq: 07 Jul 2018 02:27

Tgt Ion: 77 Resp: 139154

Ion Ratio Lower Upper

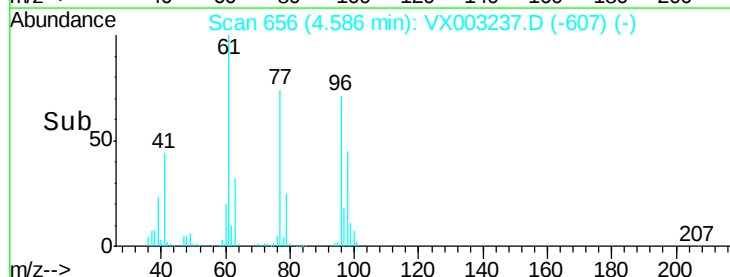
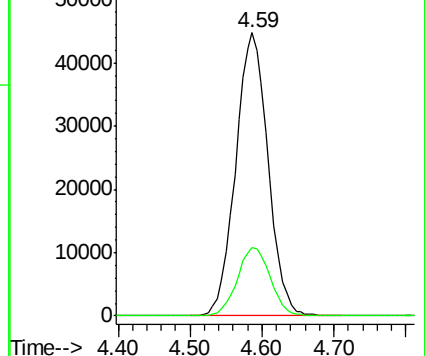
77 100

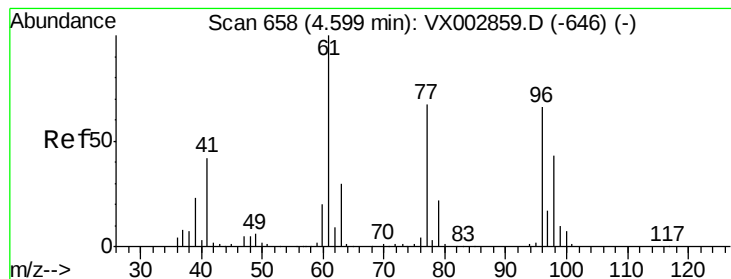
97 24.7 11.2 33.5



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: 52.43 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

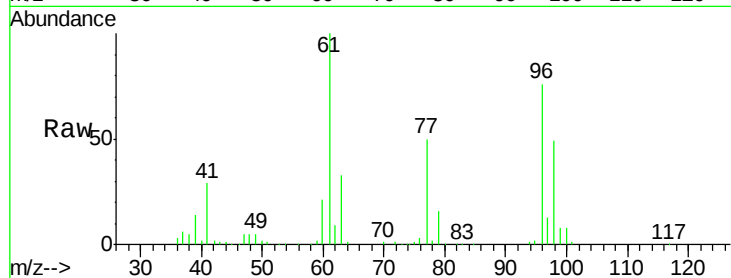
Tot Ion: 96 Resp: 153158

Ion Ratio Lower Upper

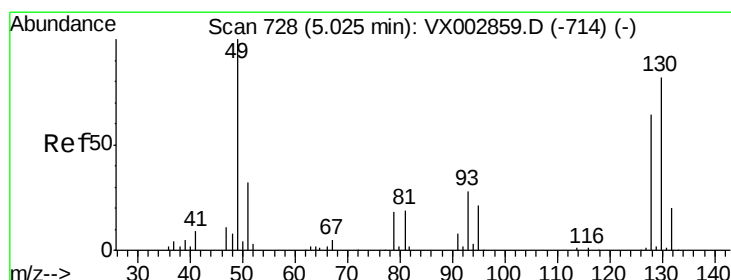
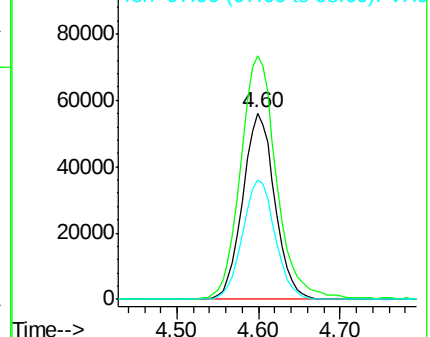
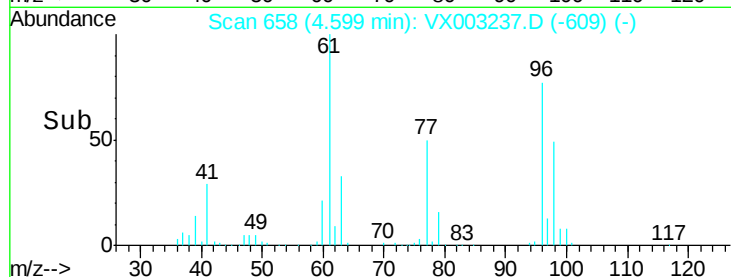
96 100

61 146.9 0.0 330.2

98 65.1 0.0 130.2



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: 49.95 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

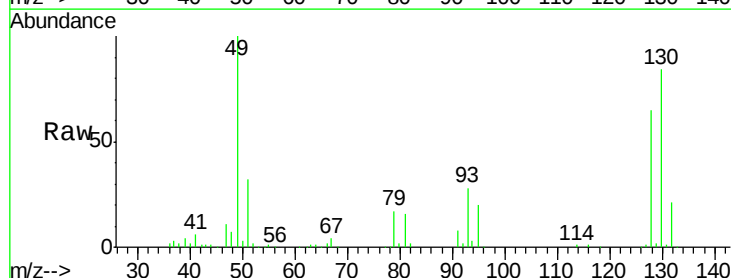
Tgt Ion: 49 Resp: 117114

Ion Ratio Lower Upper

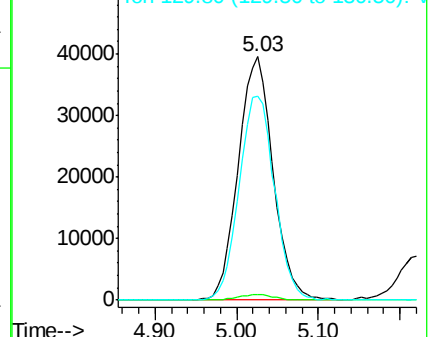
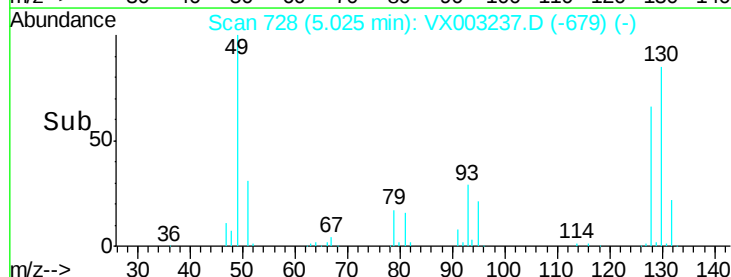
49 100

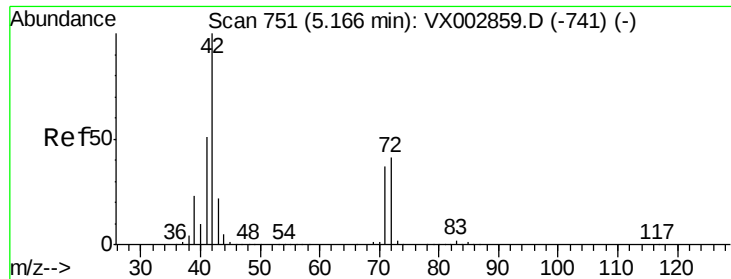
129 2.4 0.0 4.2

130 85.4 61.2 91.8



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: 263.96 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampled :

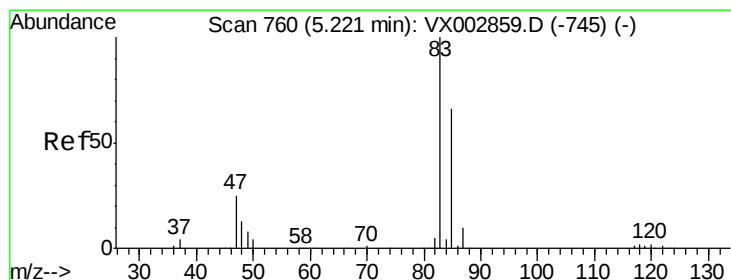
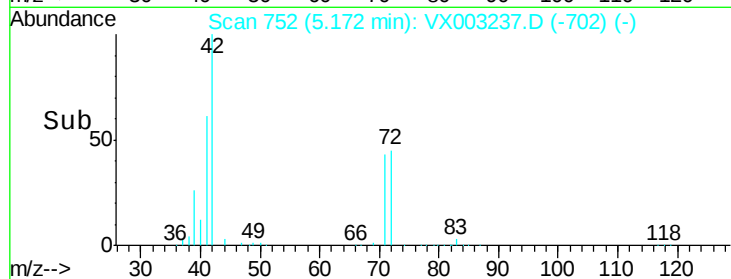
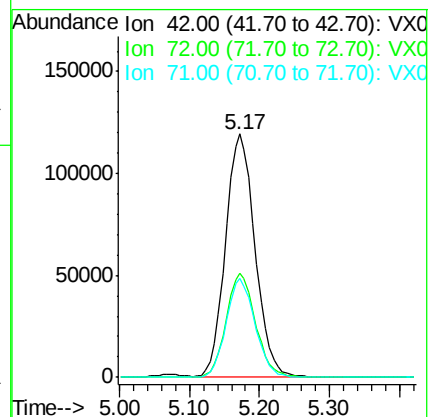
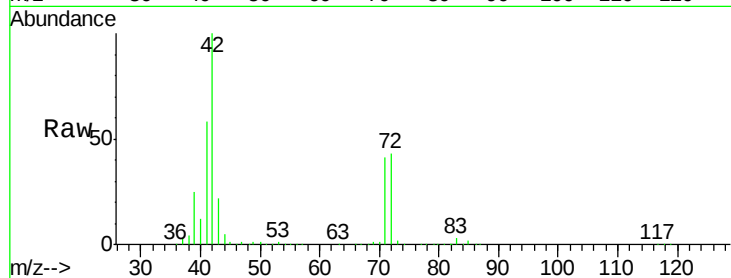
Tot Ion: 42 Resp: 348741

Ion Ratio Lower Upper

42 100

72 42.8 32.0 48.0

71 40.0 30.1 45.1



#30

Chloroform

Concen: 51.02 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX003237.D

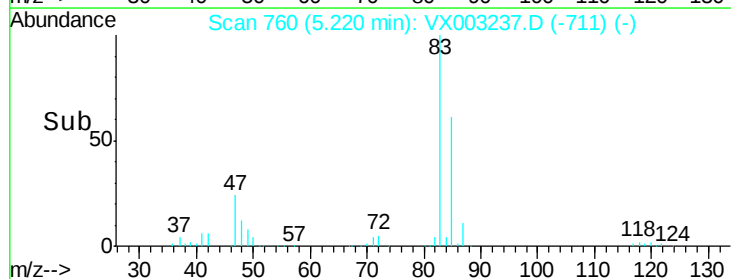
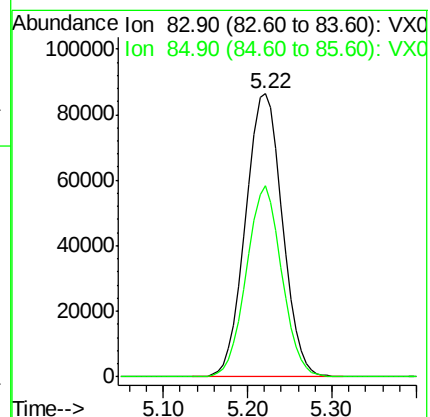
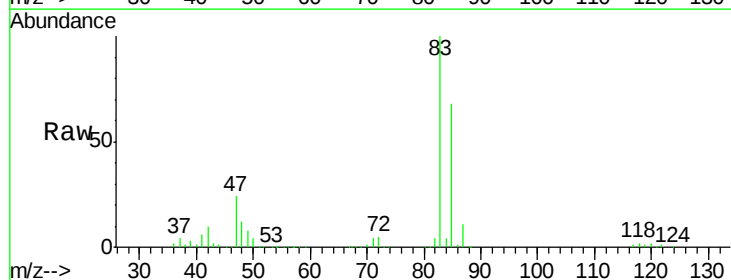
Acq: 07 Jul 2018 02:27

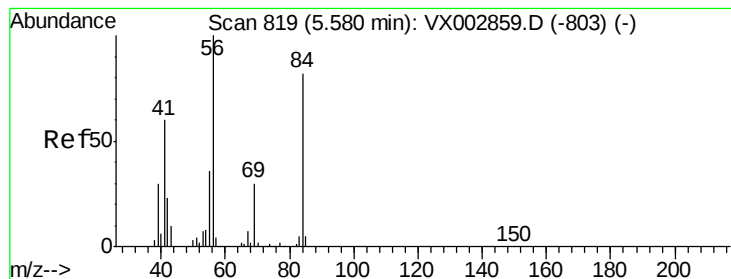
Tgt Ion: 83 Resp: 256483

Ion Ratio Lower Upper

83 100

85 67.6 50.4 75.6





#31

Cyclohexane

Concen: 48.72 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :

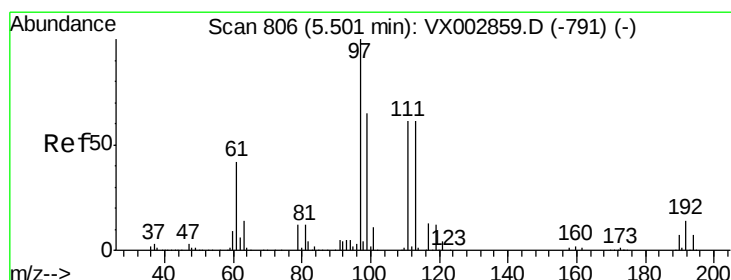
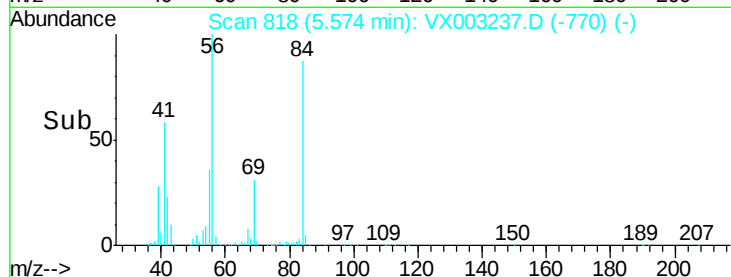
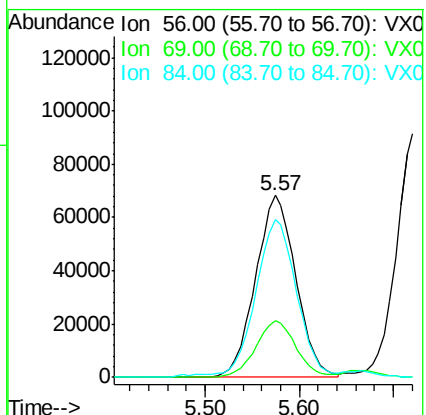
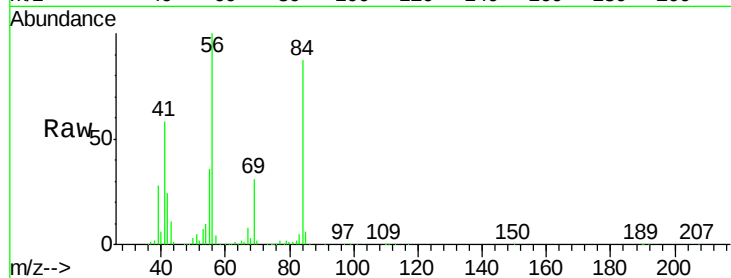
Tot Ion: 56 Resp: 204803

Ion Ratio Lower Upper

56 100

69 31.4 23.7 35.5

84 85.5 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 50.36 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

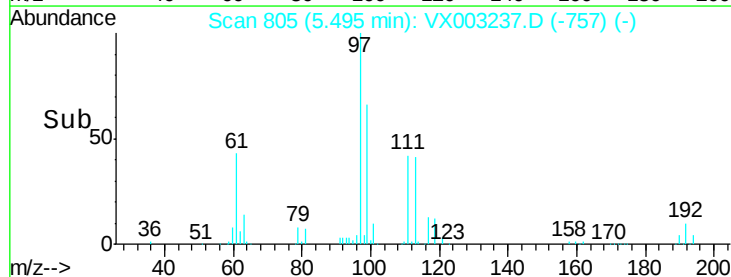
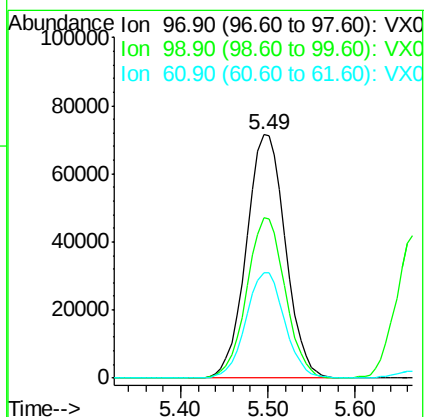
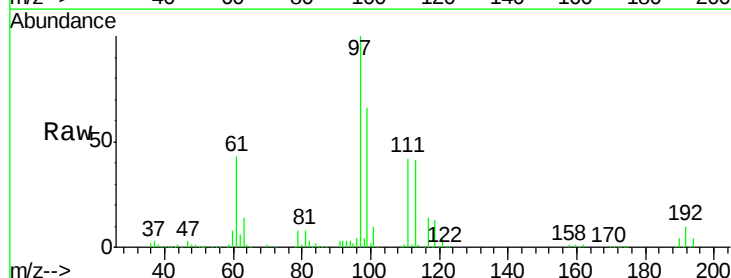
Tgt Ion: 97 Resp: 222727

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 43.2 36.4 54.6

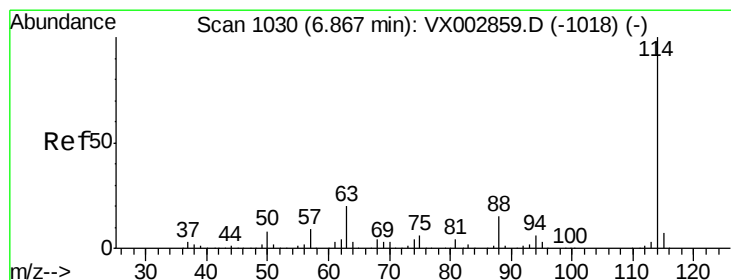
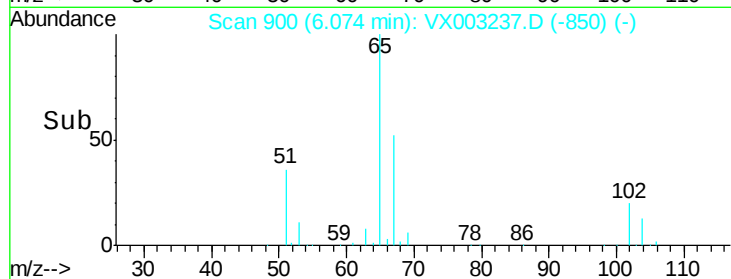
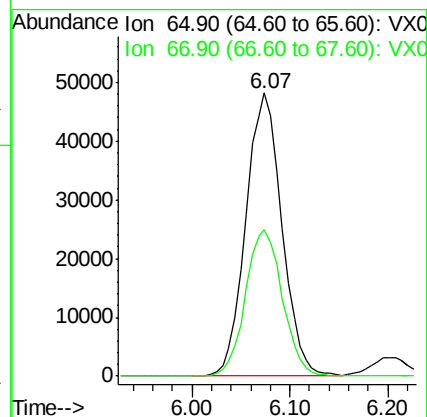
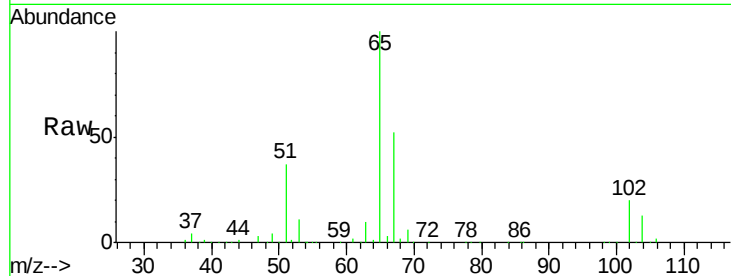




#33
 1,2-Dichloroethane-d4
 Concen: 36.72 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

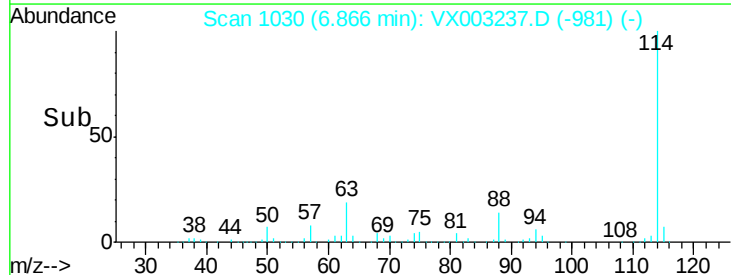
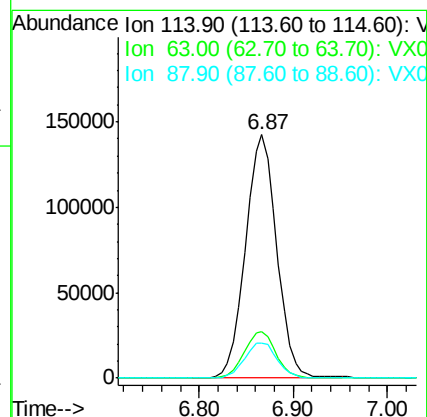
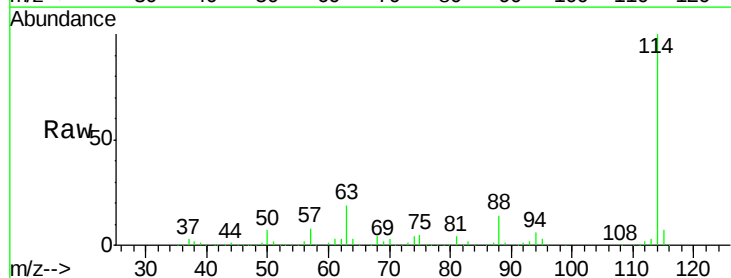
Instrument :
 MSVOA_X
 ClientSampled :

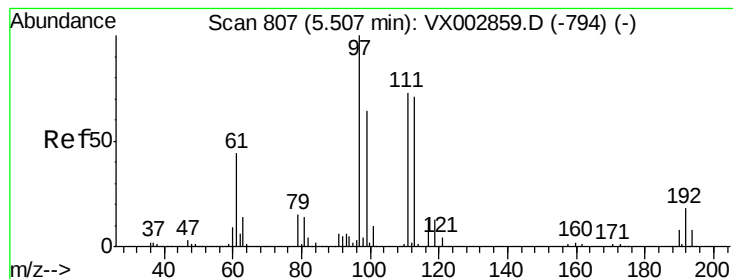
Tot Ion: 65 Resp: 123106
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

Tgt Ion: 114 Resp: 330688
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 14.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 40.97 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampled :

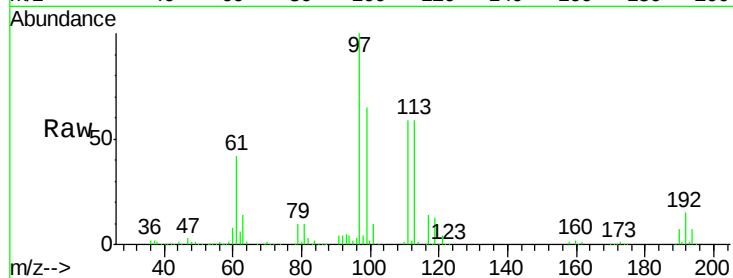
Tot Ion:113 Resp: 107282

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

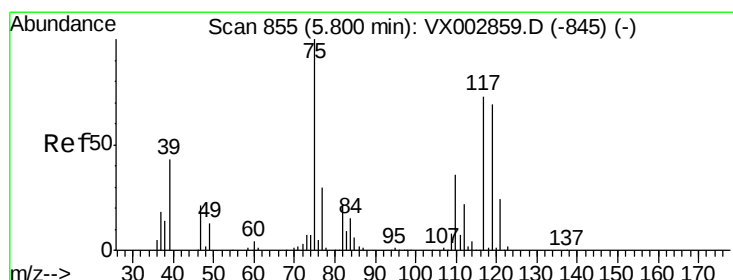
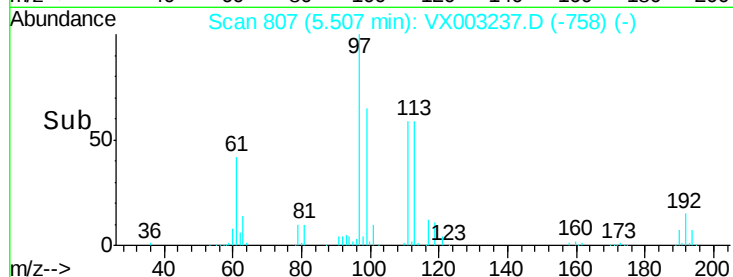
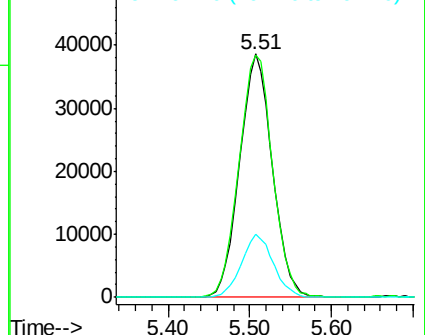
192 25.3 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.53 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

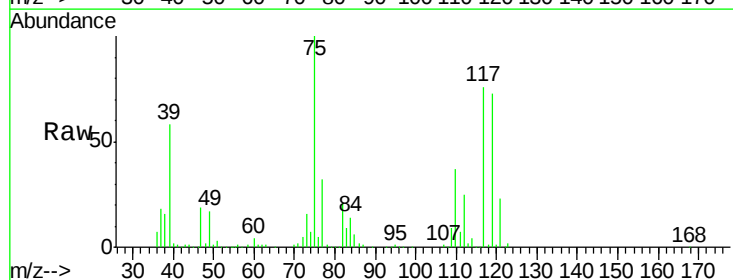
Tgt Ion: 75 Resp: 179605

Ion Ratio Lower Upper

75 100

110 37.5 18.1 54.4

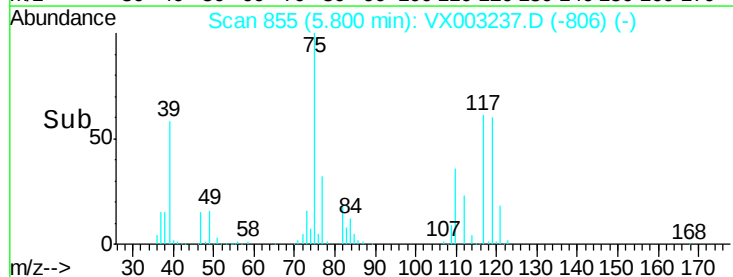
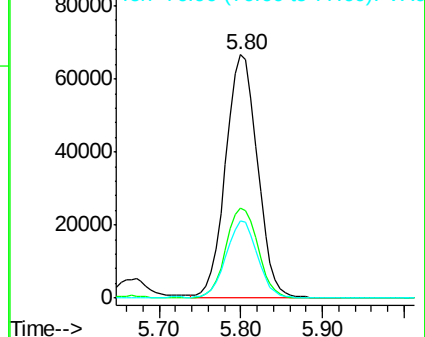
77 31.0 24.3 36.5

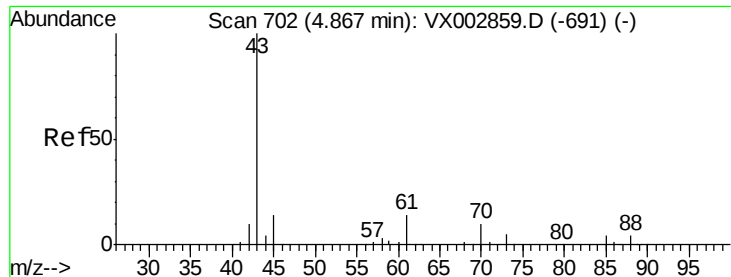


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 53.41 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampled :

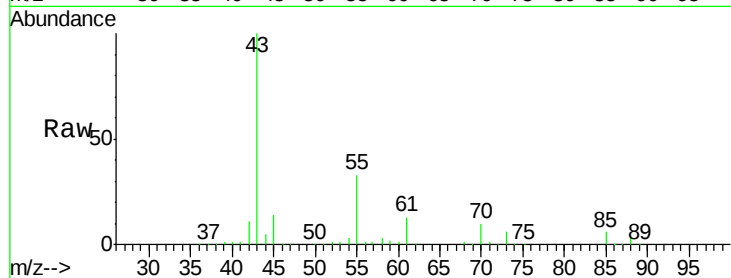
Tot Ion: 43 Resp: 208526

Ion Ratio Lower Upper

43 100

61 13.3 10.4 15.6

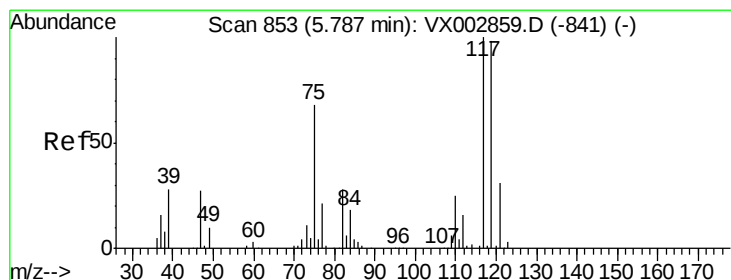
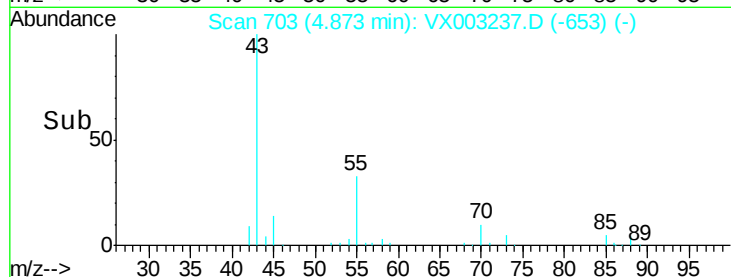
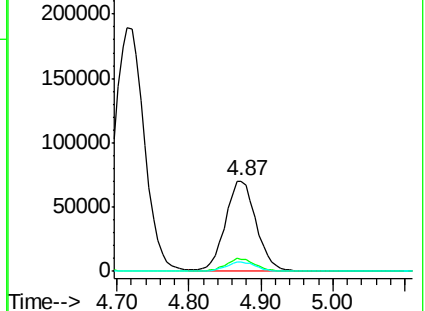
70 10.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX002859.D (-691) (-)

Ion 60.90 (60.60 to 61.60): VX002859.D (-691) (-)

Ion 70.00 (69.70 to 70.70): VX002859.D (-691) (-)



#38

Carbon Tetrachloride

Concen: 50.18 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

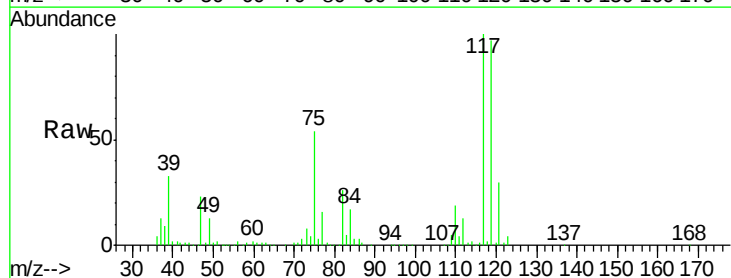
Tgt Ion: 117 Resp: 199714

Ion Ratio Lower Upper

117 100

119 97.2 77.4 116.0

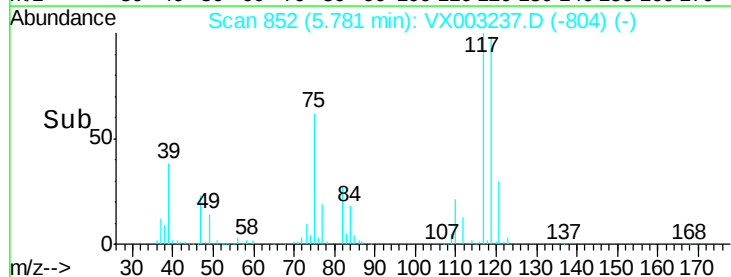
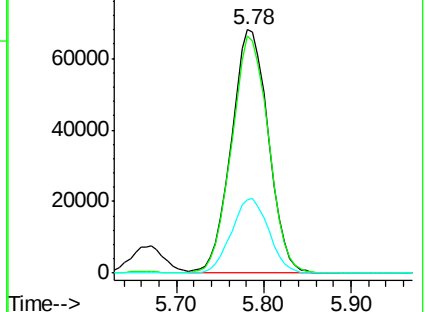
121 30.1 24.4 36.6

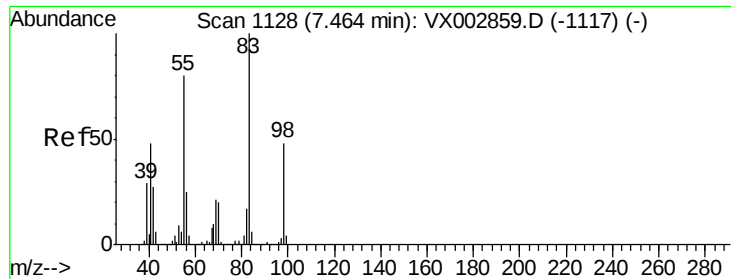


Abundance Ion 116.80 (116.50 to 117.50): VX002859.D (-841) (-)

Ion 118.80 (118.50 to 119.50): VX002859.D (-841) (-)

Ion 120.80 (120.50 to 121.50): VX002859.D (-841) (-)

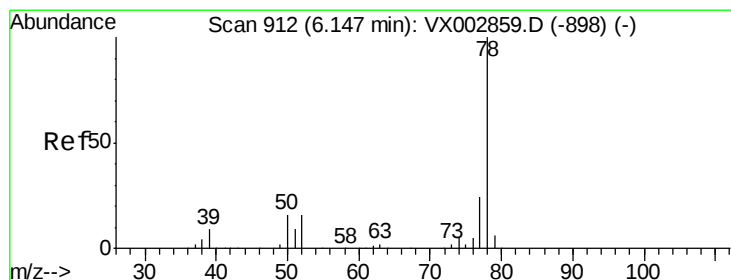
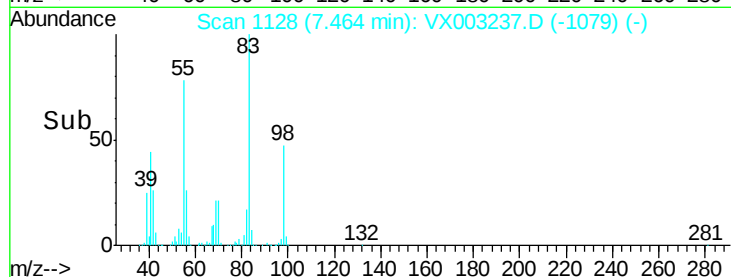
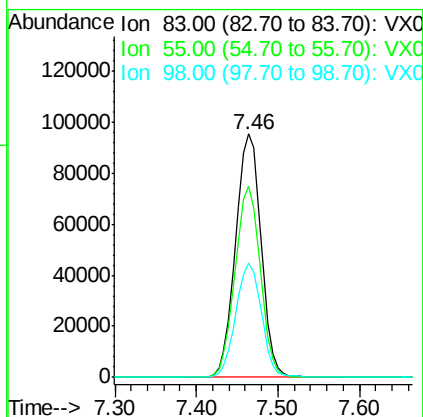
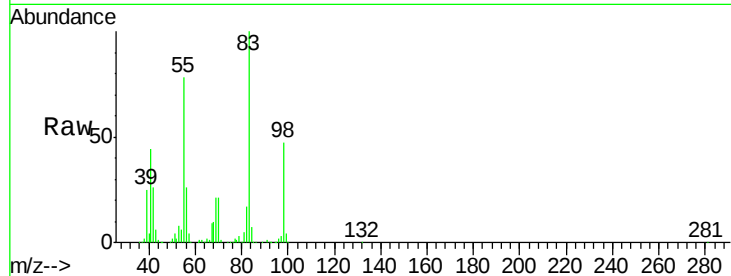




#39
Methvlcvclohexane
Concen: 48.71 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

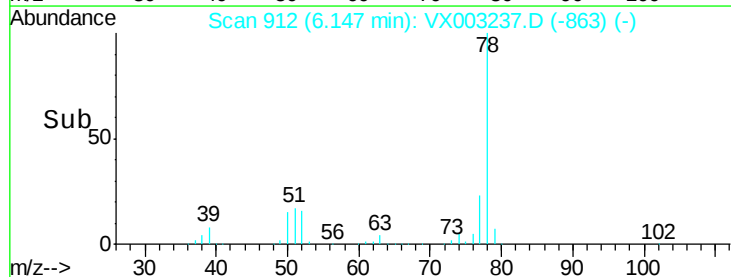
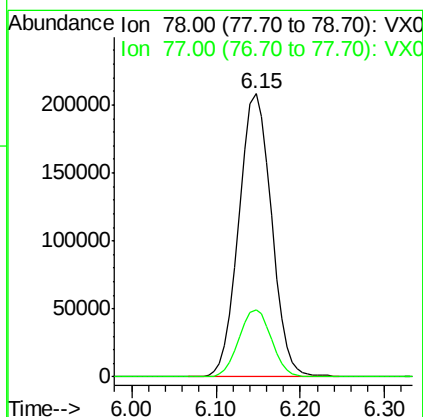
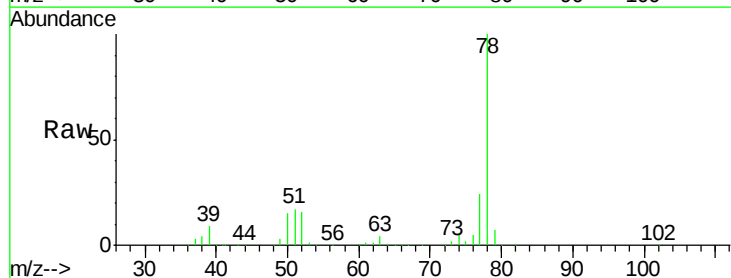
Instrument :
MSVOA_X
ClientSampleId :

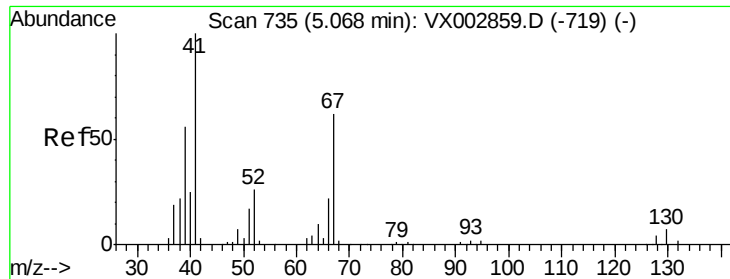
Tot Ion: 83 Resp: 205750
Ion Ratio Lower Upper
83 100
55 78.3 65.4 98.0
98 46.9 37.4 56.0



#40
Benzene
Concen: 51.93 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion: 78 Resp: 547157
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7





#41

Methacrylonitrile

Concen: 53.02 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 41 Resp: 119220

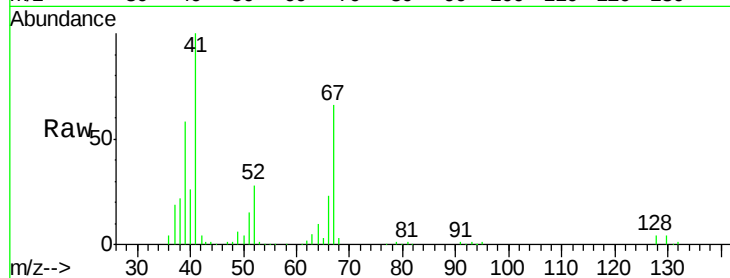
Ion Ratio Lower Upper

41 100

39 55.0 45.8 68.6

67 67.0 51.3 76.9

52 28.0 23.0 34.6

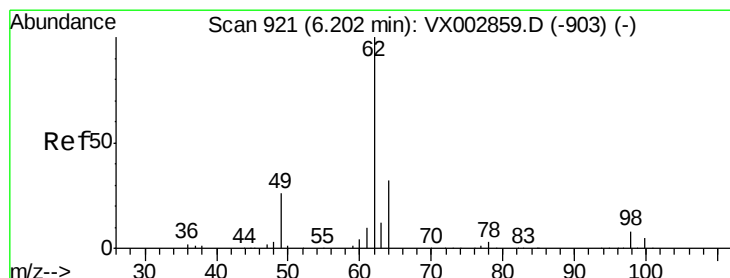
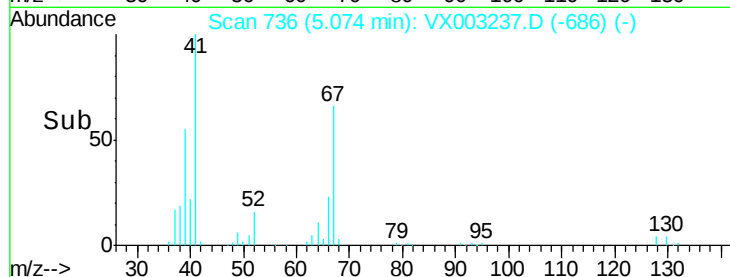
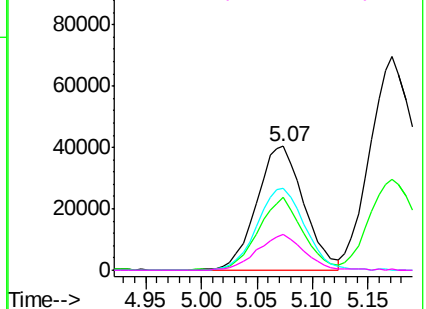


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 48.58 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX003237.D

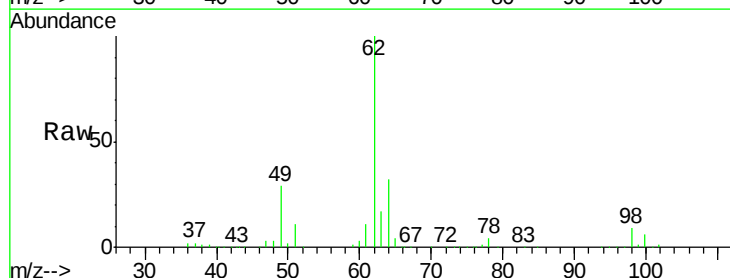
Acq: 07 Jul 2018 02:27

Tgt Ion: 62 Resp: 206777

Ion Ratio Lower Upper

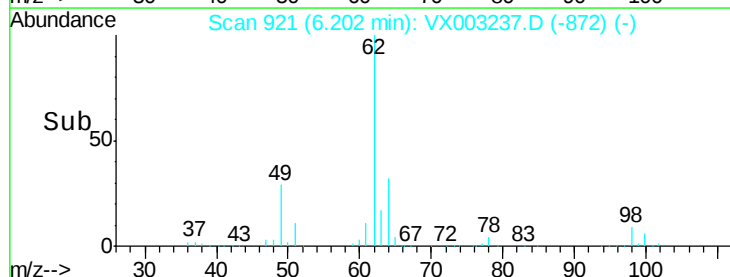
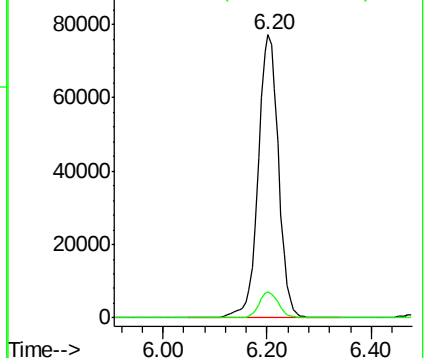
62 100

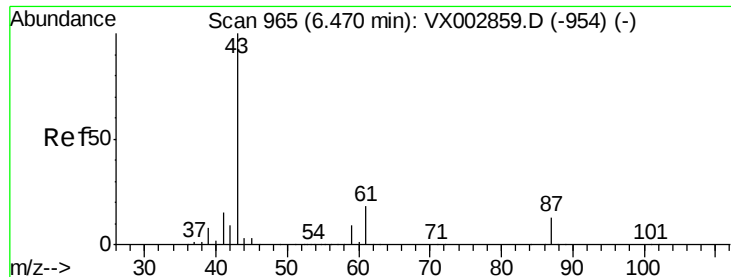
98 8.9 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



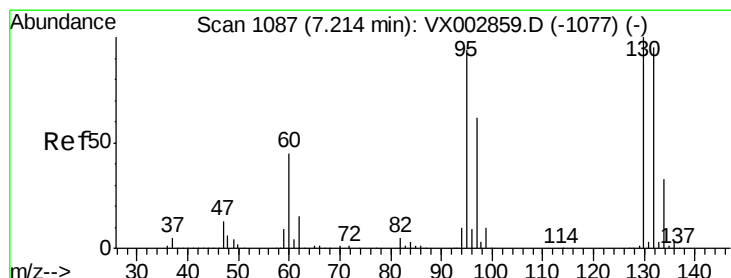
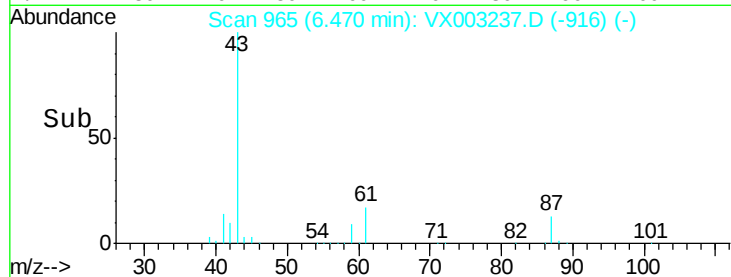
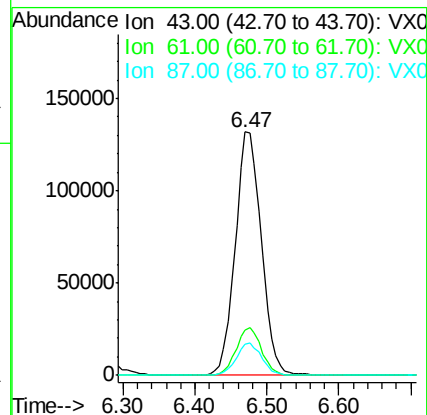
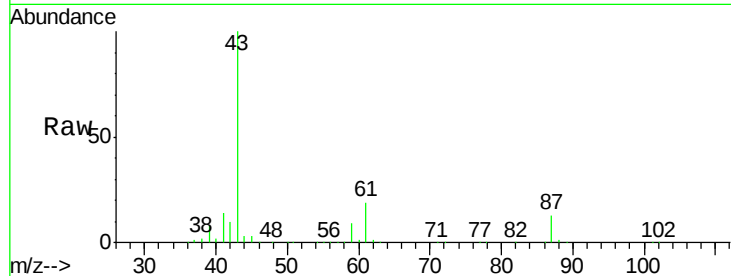


#43

Isopropyl Acetate
 Concen: 50.54 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

Instrument :
 MSVOA_X
 ClientSampleId :

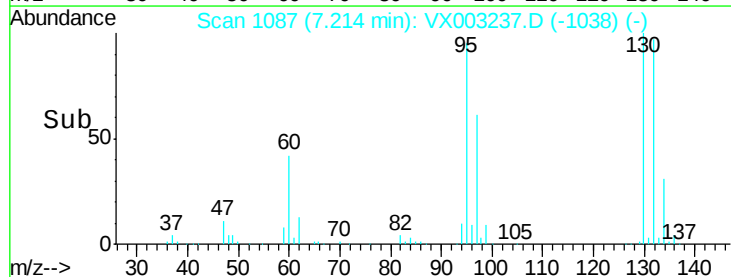
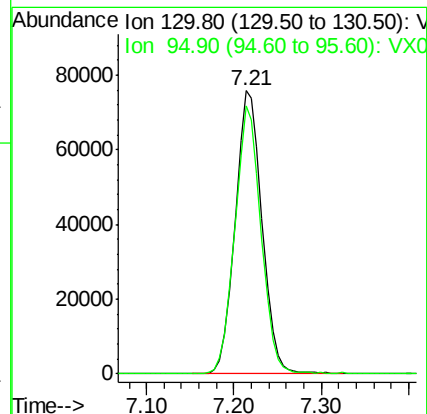
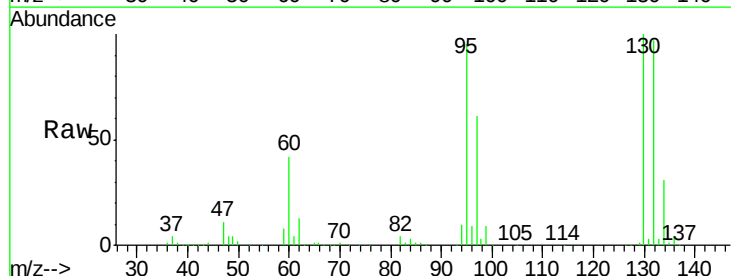
Tot Ion	43	Resp	330957
Ion Ratio	100		
Lower	14.4		
Upper	21.6		
61	19.2		
87	13.0		
	9.5		



#44

Trichloroethene
 Concen: 51.46 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

Tgt Ion	130	Resp	161663
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>0.0</td> <td></td> <td></td>	0.0		
Upper <td>185.4</td> <td></td> <td></td>	185.4		
95	94.8		

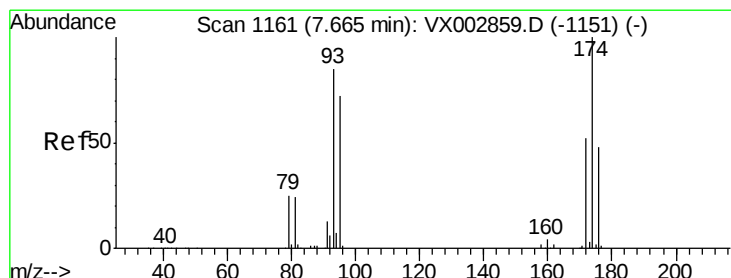
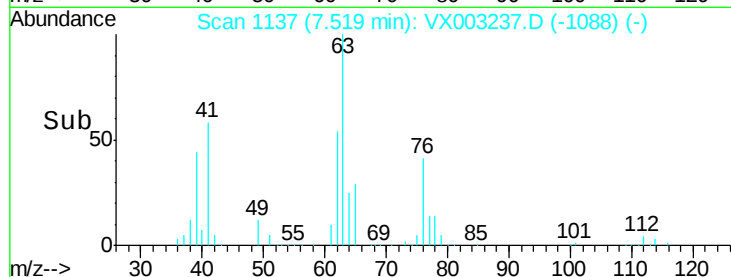
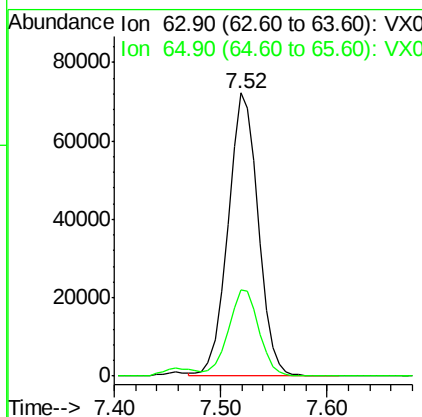
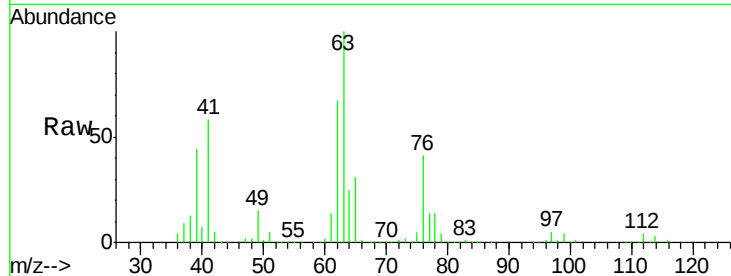




#45
 1,2-Dichloropropane
 Concen: 51.20 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

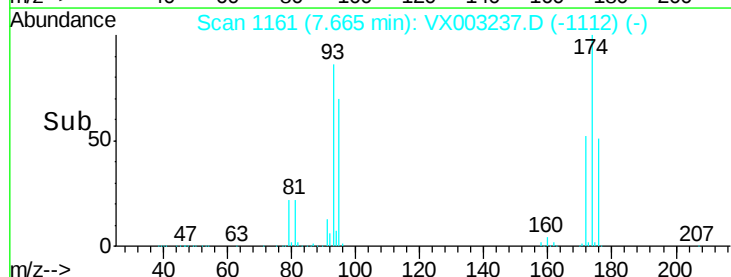
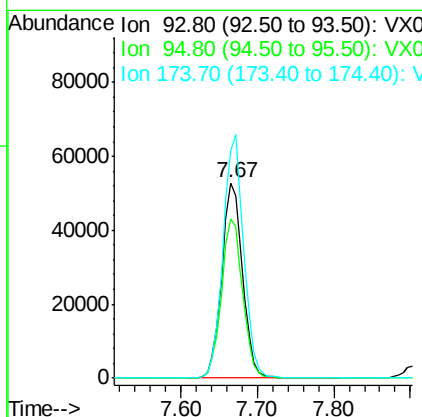
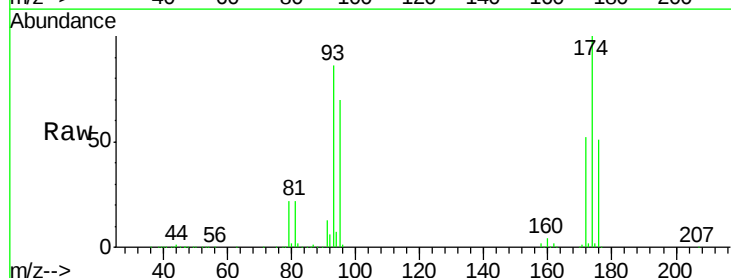
Instrument :
 MSVOA_X
 ClientSampleId :

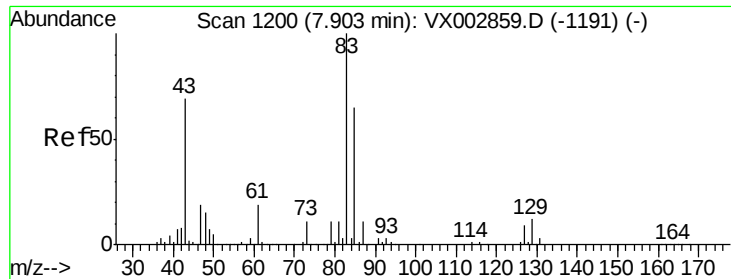
Tot Ion: 63 Resp: 143104
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1



#46
 Dibromomethane
 Concen: 51.10 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

Tgt Ion: 93 Resp: 99118
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.9 98.9
 174 123.4 92.4 138.6





#47

Bromodichloromethane

Concen: 52.55 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampled :

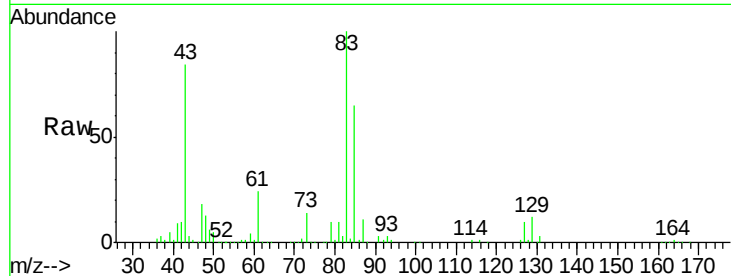
Tot Ion: 83 Resp: 188444

Ion Ratio Lower Upper

83 100

85 64.9 50.3 75.5

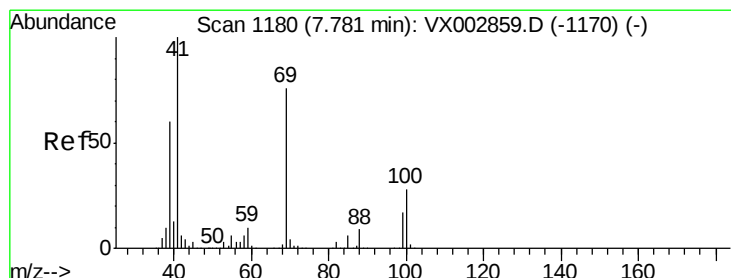
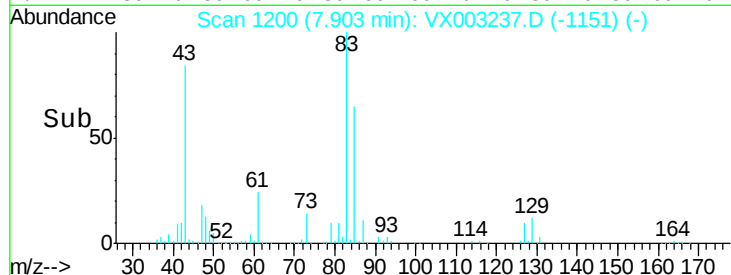
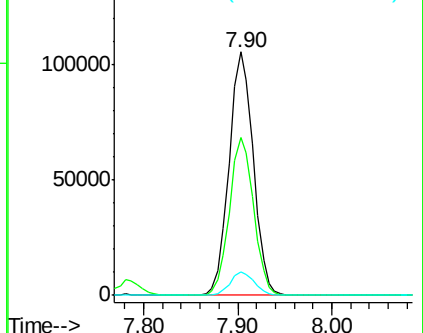
127 9.9 7.0 10.4



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: 51.03 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

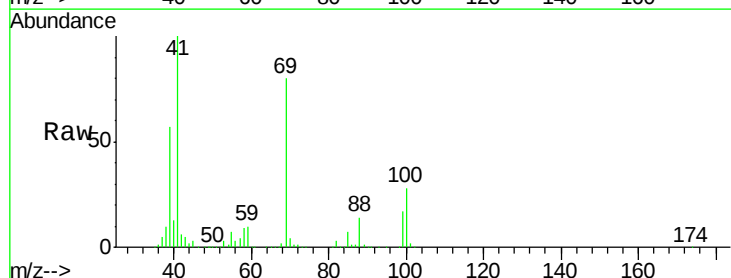
Tgt Ion: 41 Resp: 172197

Ion Ratio Lower Upper

41 100

69 80.1 59.1 88.7

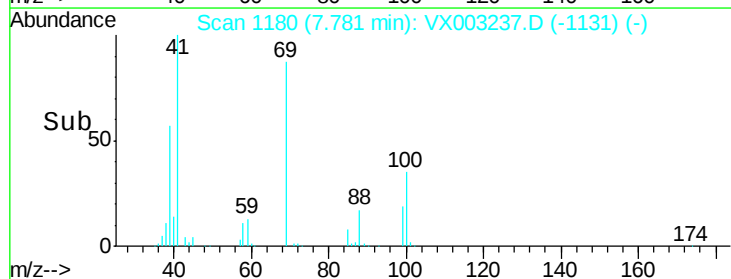
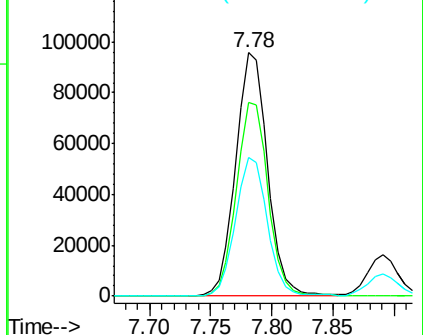
39 56.5 48.9 73.3

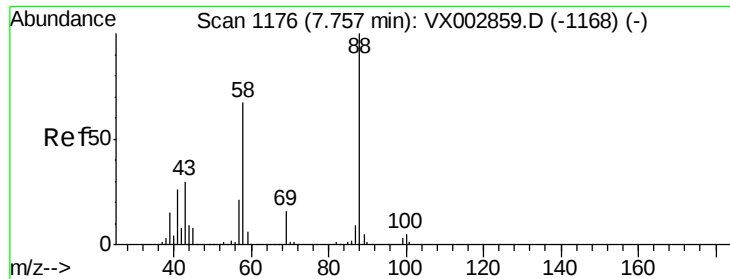


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

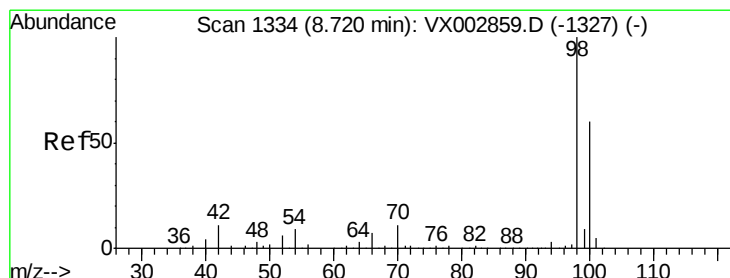
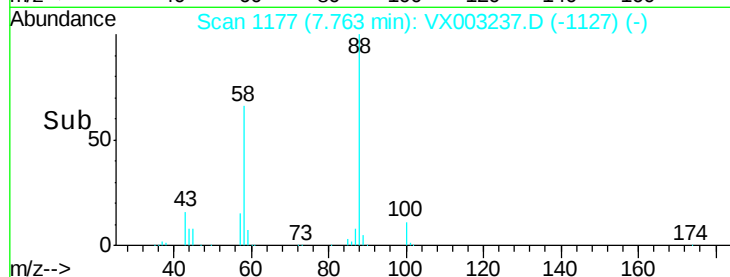
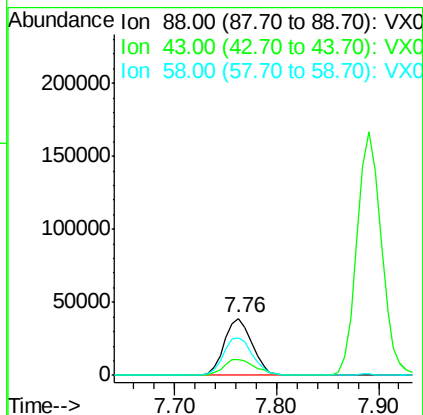
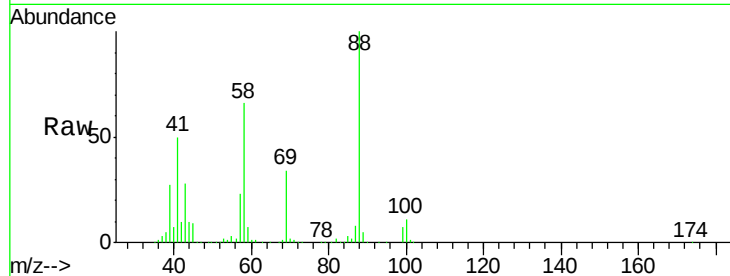




#49
1,4-Dioxane
Concen: 1119.71 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

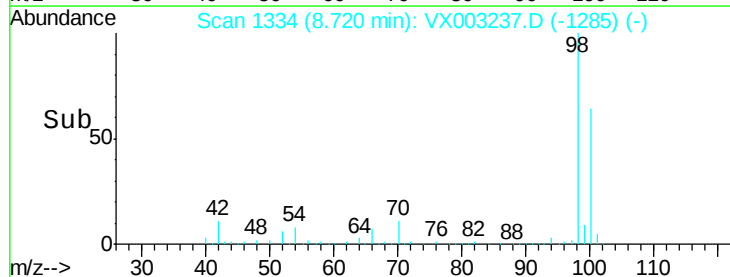
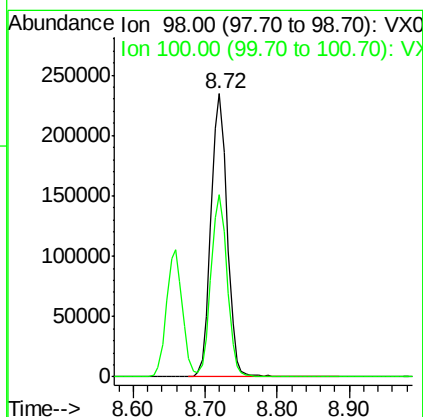
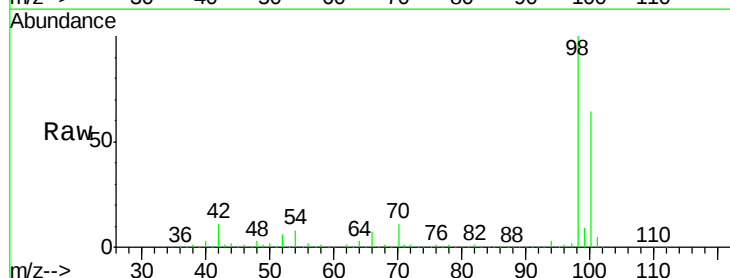
Instrument :
MSVOA_X
ClientSampleId :

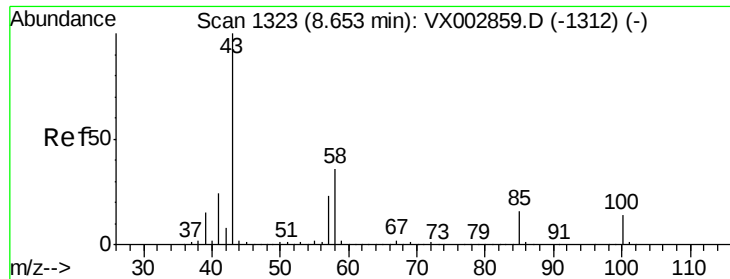
Tot Ion: 88 Resp: 73505
Ion Ratio Lower Upper
88 100
43 32.8 29.8 44.6
58 70.3 57.1 85.7



#50
Toluene-d8
Concen: 38.15 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion: 98 Resp: 364875
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3

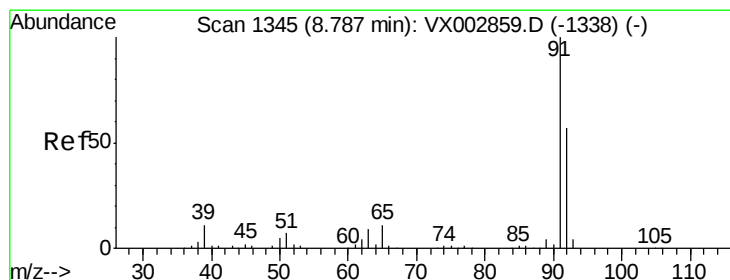
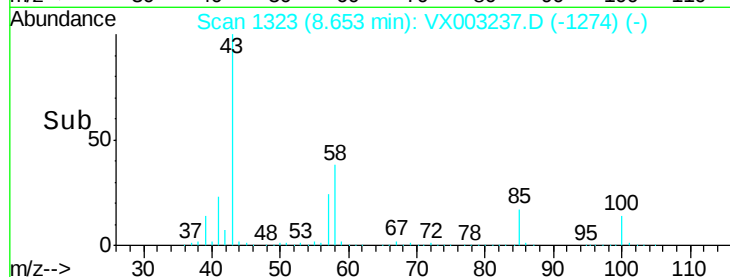
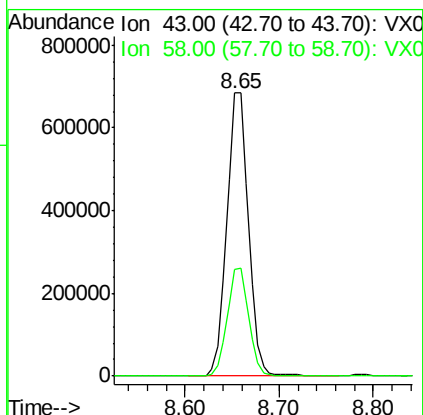
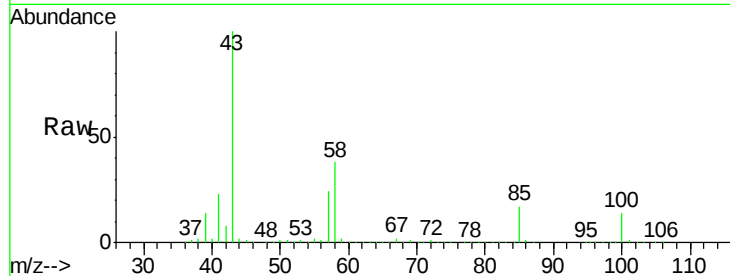




#51
4-Methyl-2-Pentanone
Concen: 266.44 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

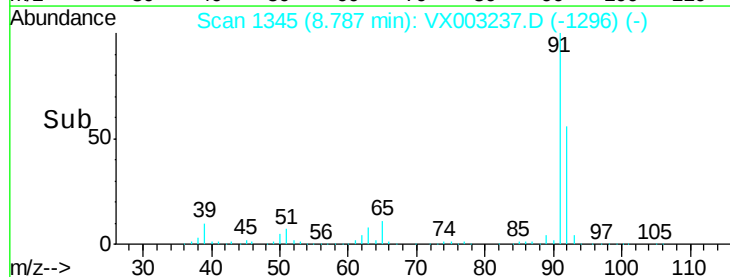
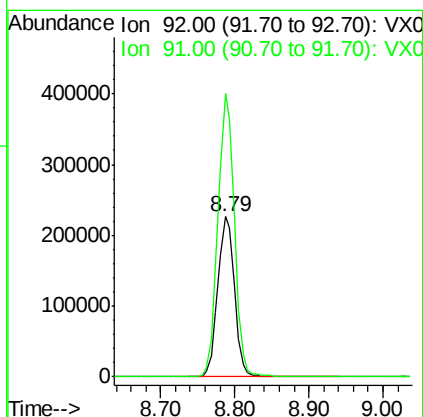
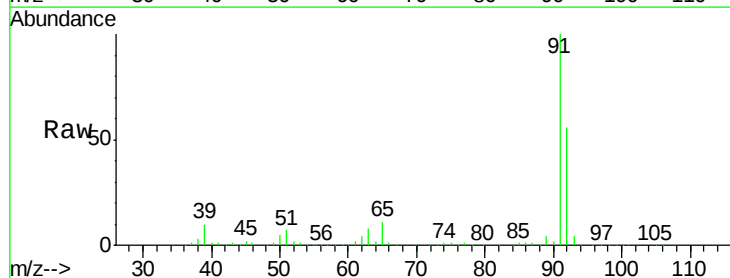
Instrument :
MSVOA_X
ClientSampleId :

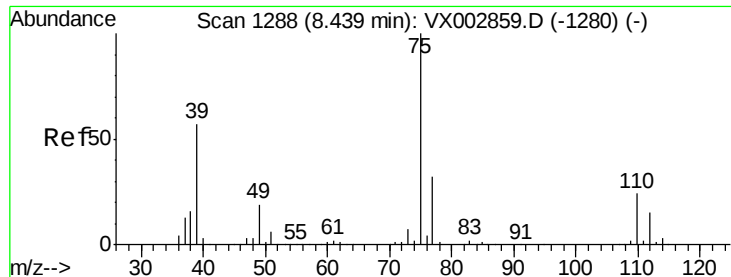
Tot Ion: 43 Resp: 1091619
Ion Ratio Lower Upper
43 100
58 37.8 28.6 42.8



#52
Toluene
Concen: 51.86 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion: 92 Resp: 350040
Ion Ratio Lower Upper
92 100
91 174.9 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 51.55 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

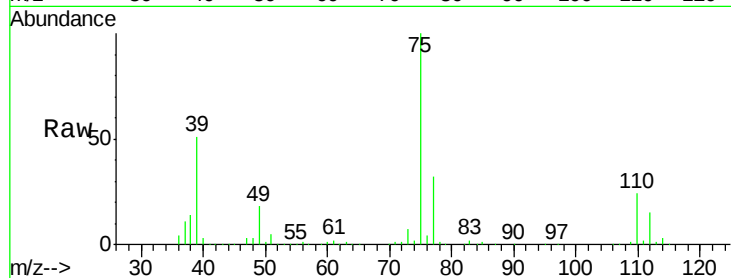
ClientSampled :

Tot Ion: 75 Resp: 209332

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

150000

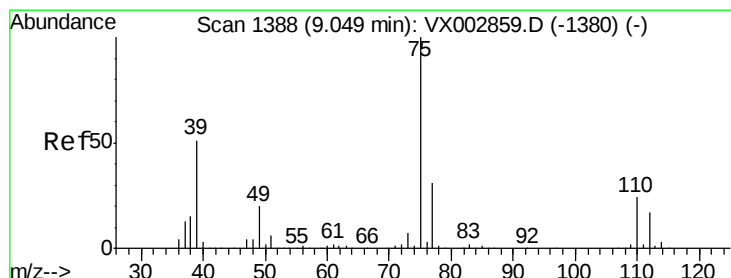
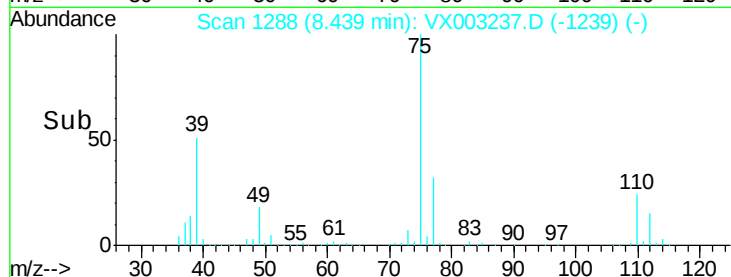
100000

50000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.63 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

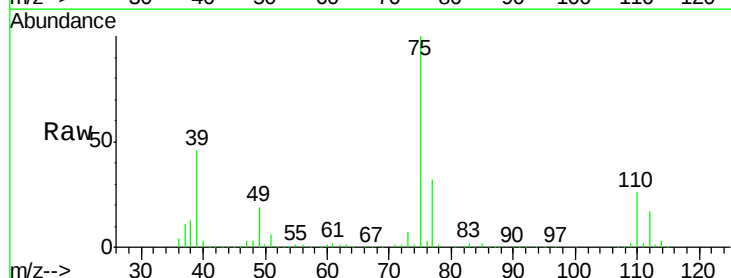
Tgt Ion: 75 Resp: 193933

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 45.5 42.4 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

150000

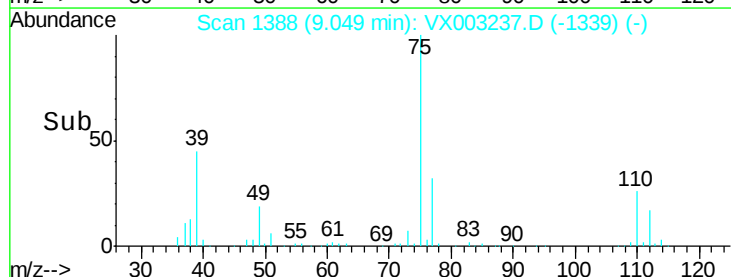
100000

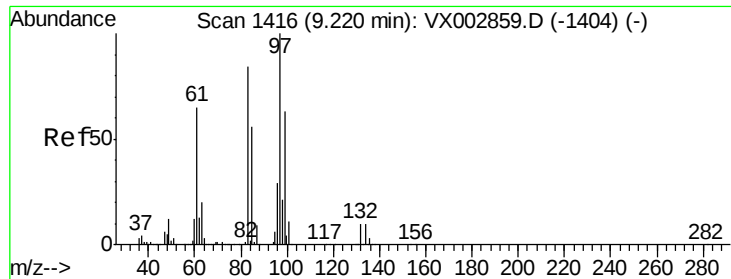
50000

0

9.00 9.10 9.20

Time-->

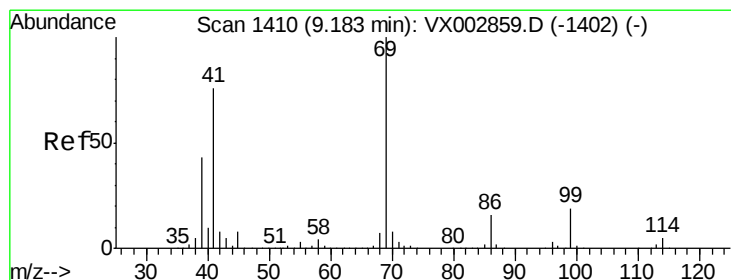
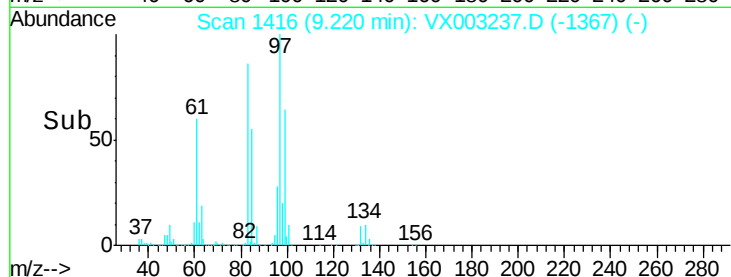
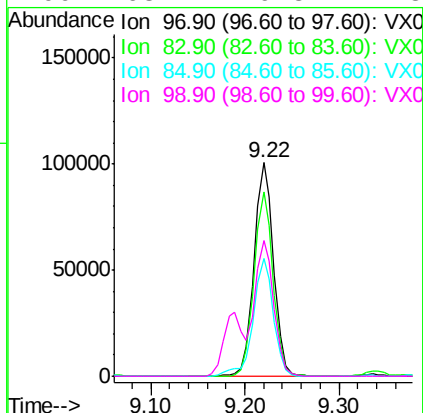
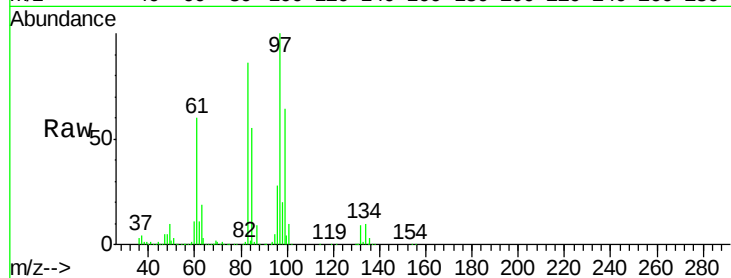




#55
 1,1,2-Trichloroethane
 Concen: 53.22 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

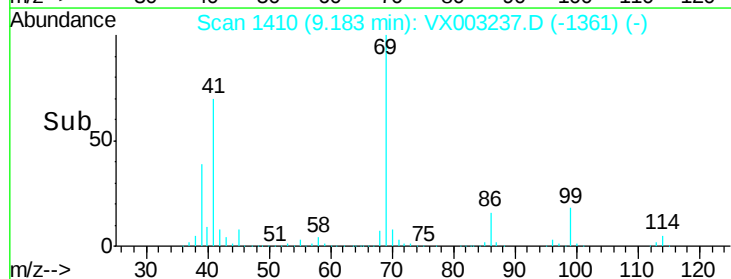
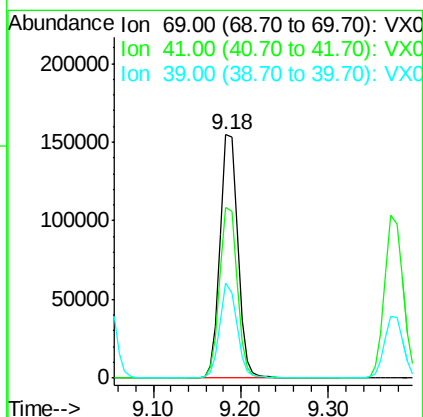
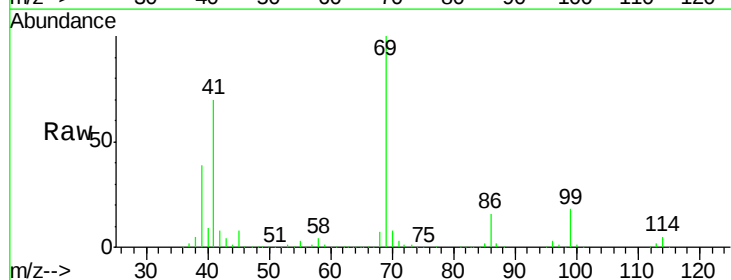
Instrument :
 MSVOA_X
 ClientSampleId :

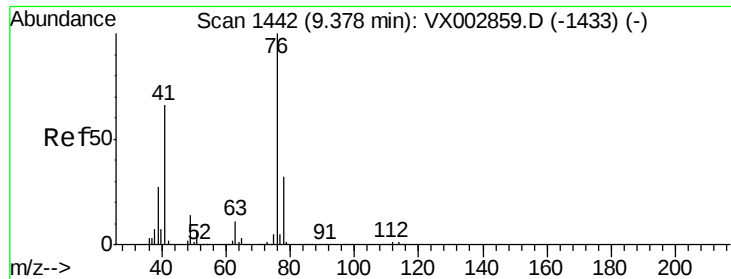
Tot Ion:	97	Resp:	147611
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.2	105.2
85	55.1	44.9	67.3
99	63.7	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 53.64 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

Tgt Ion:	69	Resp:	217435
Ion	Ratio	Lower	Upper
69	100		
41	69.9	60.3	90.5
39	37.8	35.8	53.8





#57

1,3-Dichloropropane

Concen: 52.72 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

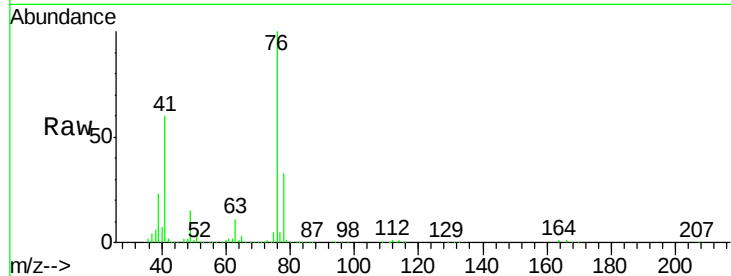
ClientSampled :

Tot Ion: 76 Resp: 240190

Ion Ratio Lower Upper

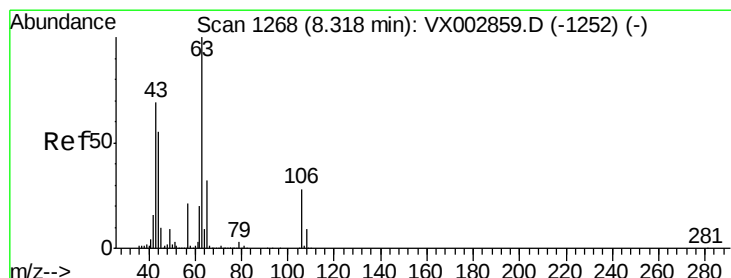
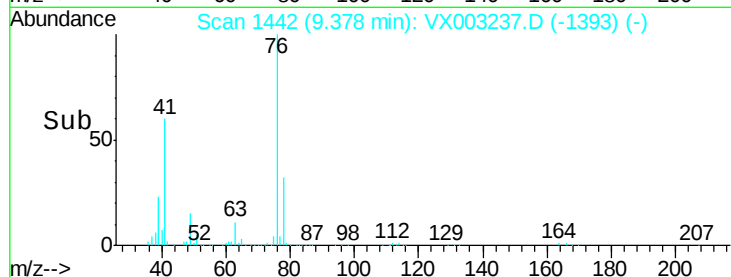
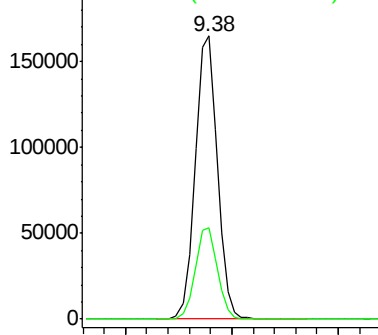
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 250.77 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003237.D

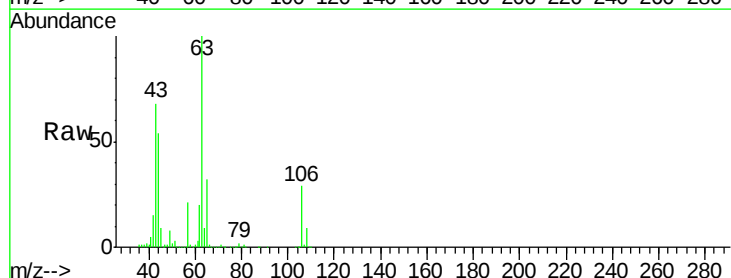
Acq: 07 Jul 2018 02:27

Tgt Ion: 63 Resp: 490438

Ion Ratio Lower Upper

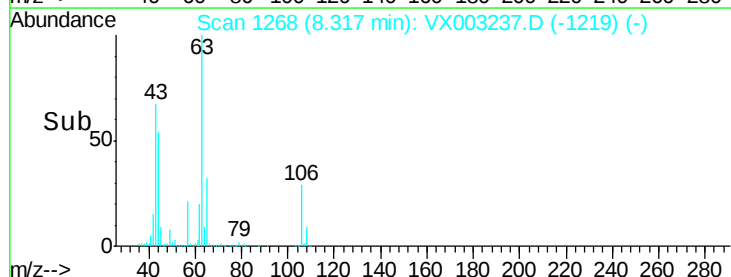
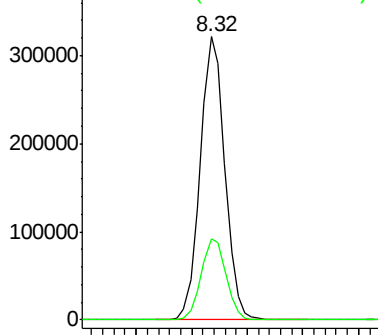
63 100

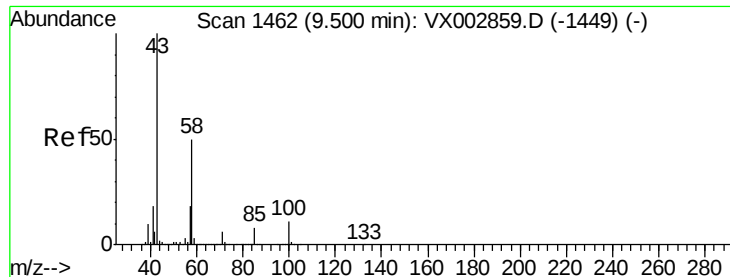
106 29.0 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

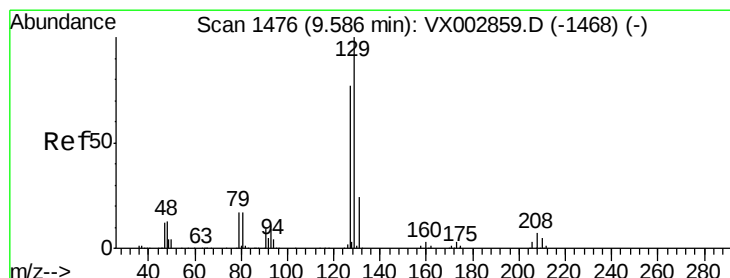
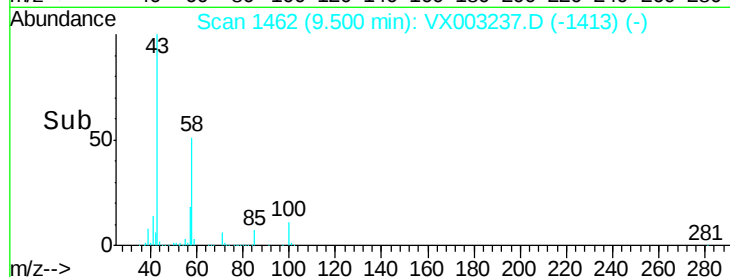
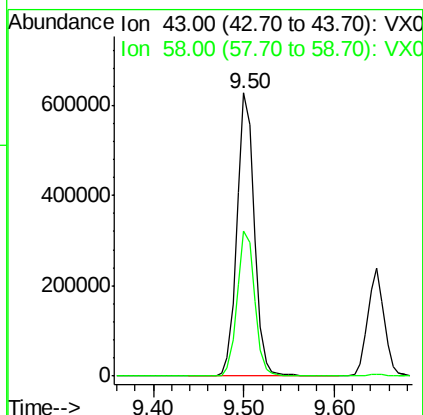
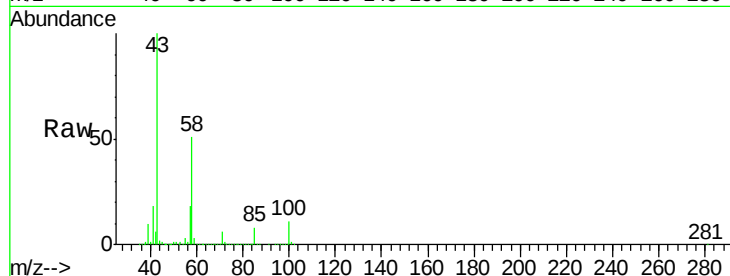




#59
2-Hexanone
Concen: 266.86 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

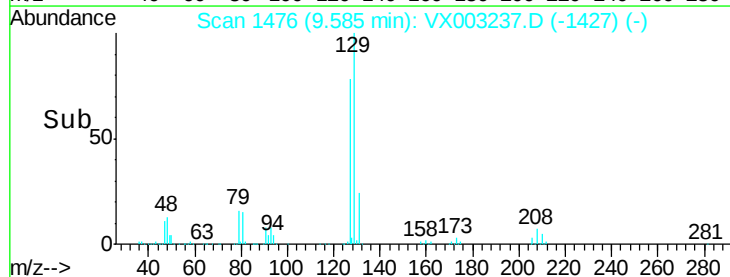
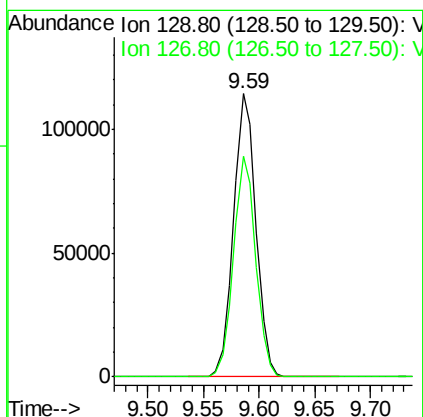
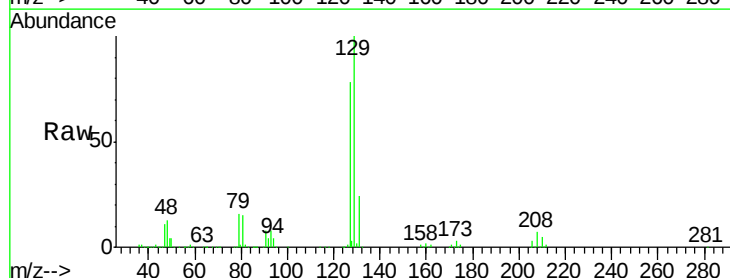
Instrument :
MSVOA_X
ClientSampleId :

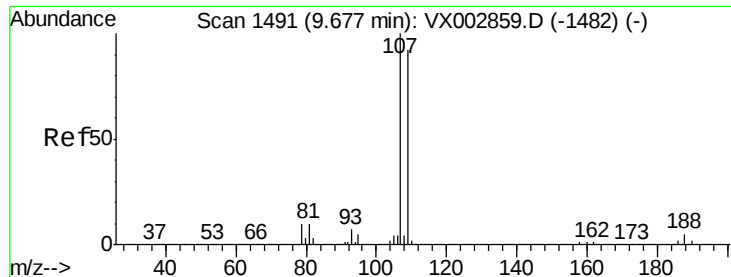
Tot Ion: 43 Resp: 830961
Ion Ratio Lower Upper
43 100
58 52.0 24.6 73.6



#60
Dibromochloromethane
Concen: 54.56 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion: 129 Resp: 159301
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.3





#61

1,2-Dibromoethane

Concen: 53.55 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

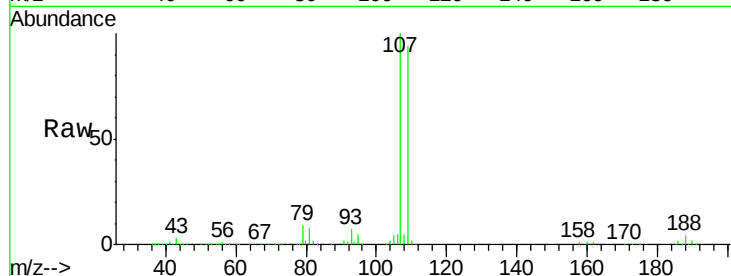
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:107 Resp: 155791

Ion Ratio Lower Upper

107 100

109 94.9 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

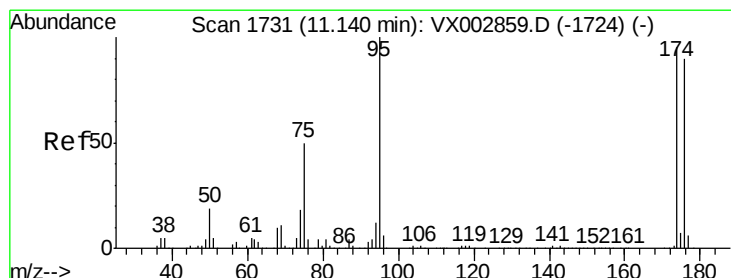
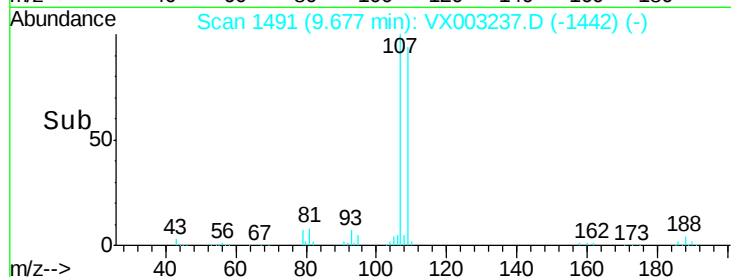
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 39.45 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

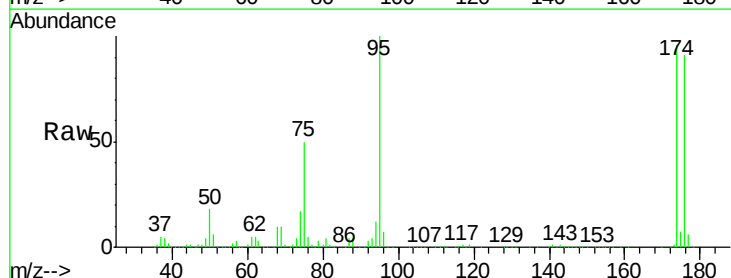
Tgt Ion: 95 Resp: 145506

Ion Ratio Lower Upper

95 100

174 98.1 0.0 187.4

176 94.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

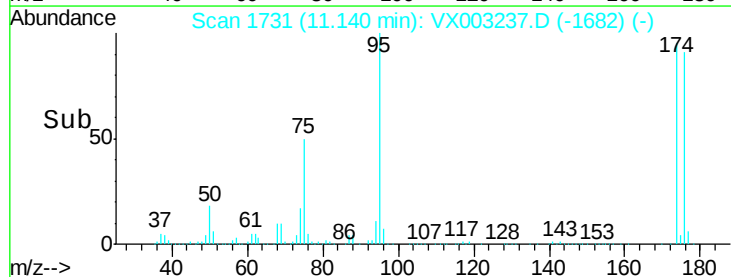
150000

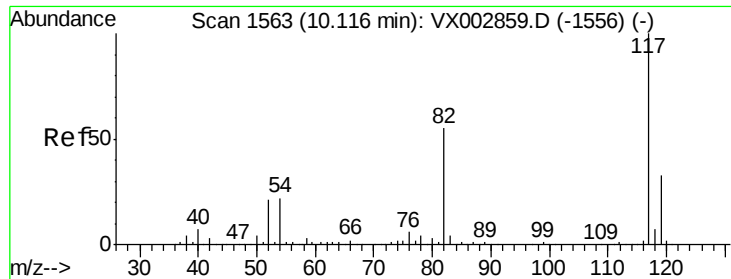
100000

50000

0

Time-->

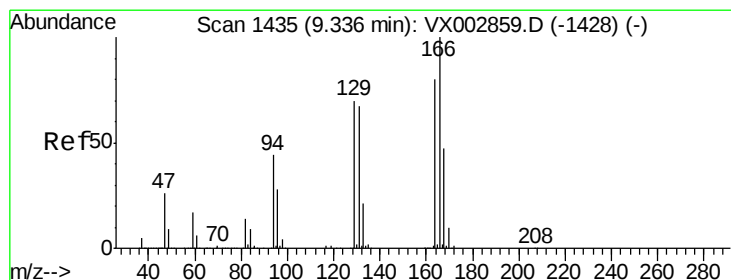
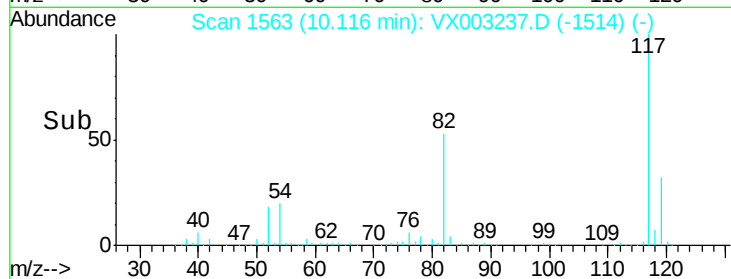
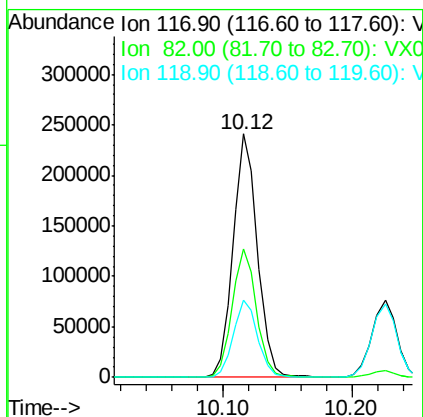
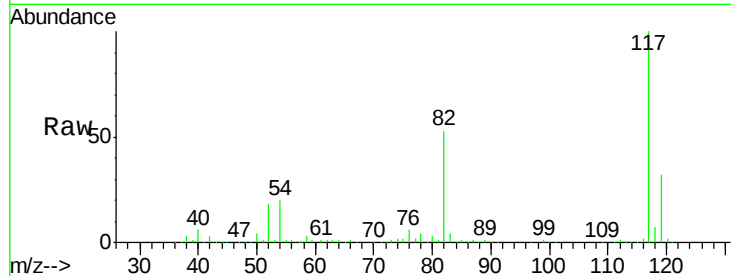




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

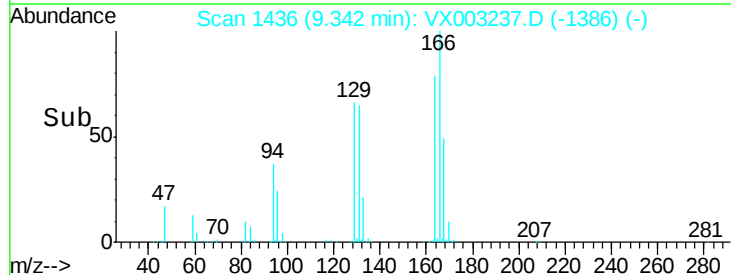
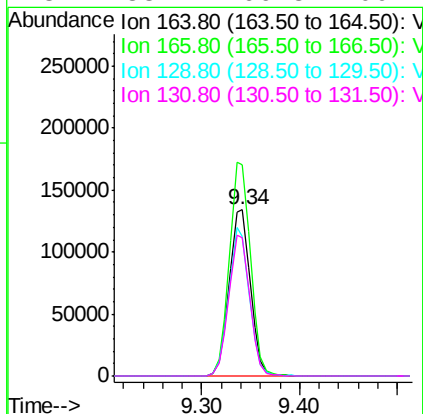
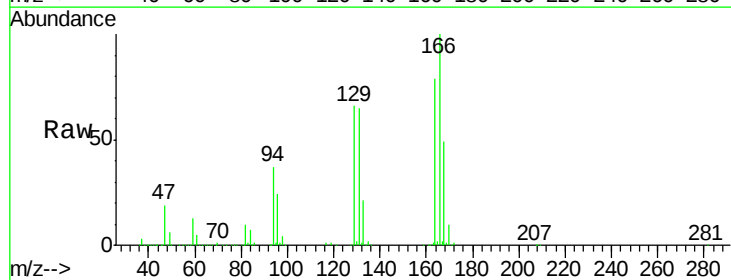
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 318125
Ion Ratio Lower Upper
117 100
82 52.7 45.0 67.4
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 57.29 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion:164 Resp: 202646
Ion Ratio Lower Upper
164 100
166 127.1 102.9 154.3
129 84.1 68.6 102.8
131 83.2 66.8 100.2

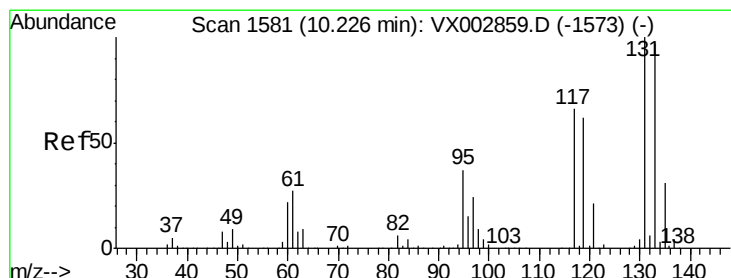
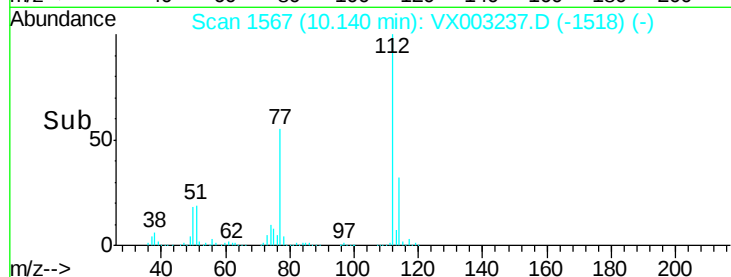
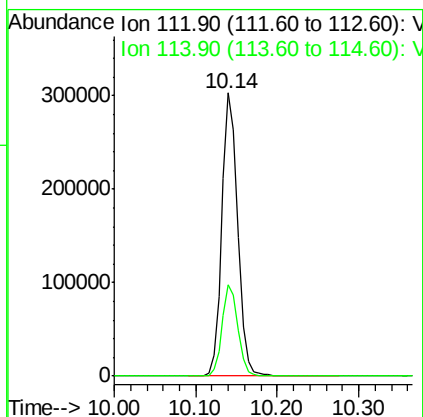
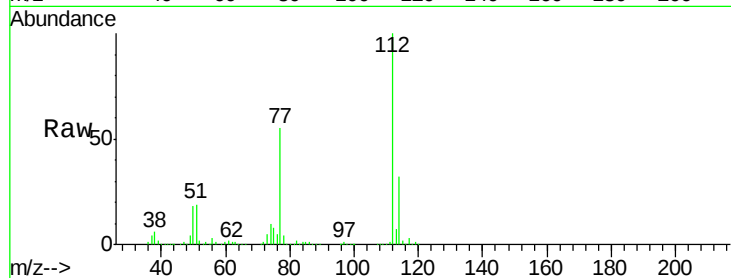




#65
Chlorobenzene
Concen: 50.85 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

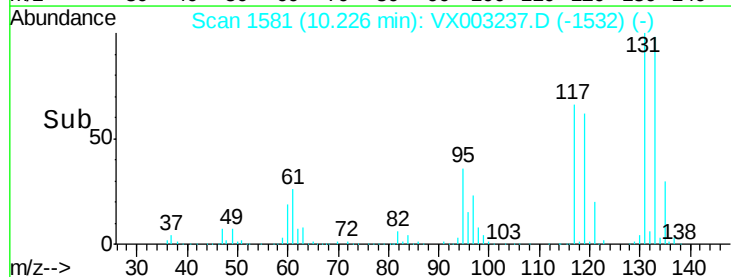
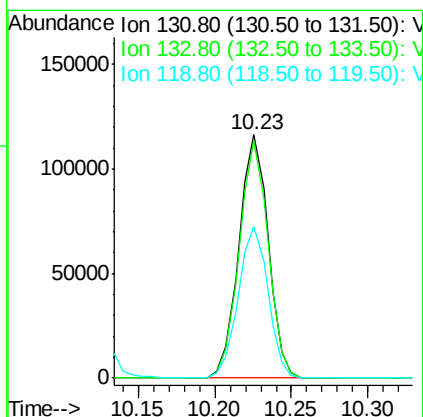
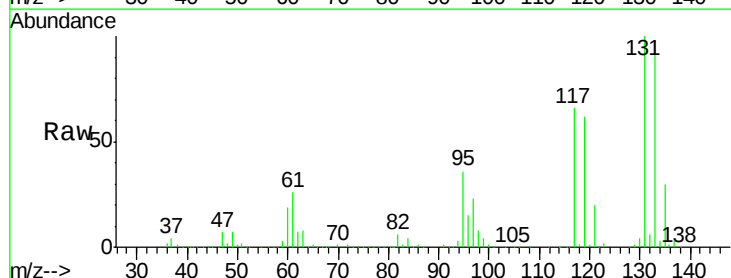
Instrument :
MSVOA_X
ClientSampleId :

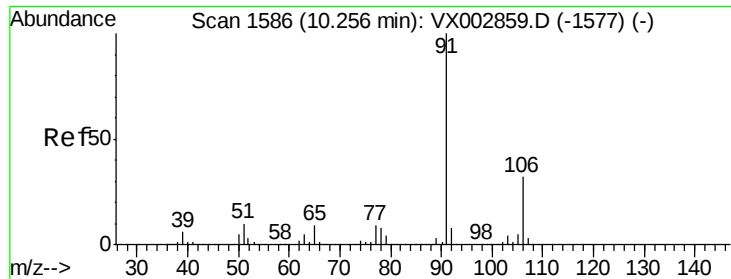
Tot Ion:112 Resp: 410895
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.75 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion:131 Resp: 154845
Ion Ratio Lower Upper
131 100
133 96.5 47.9 143.6
119 63.4 31.8 95.3

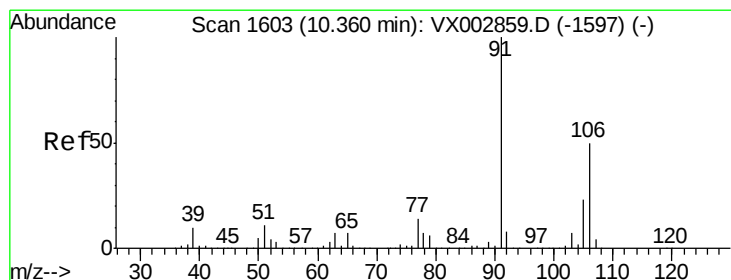
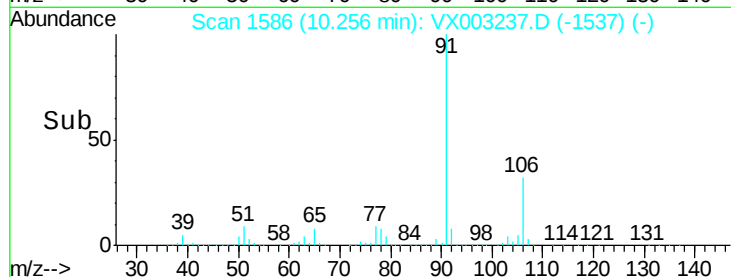
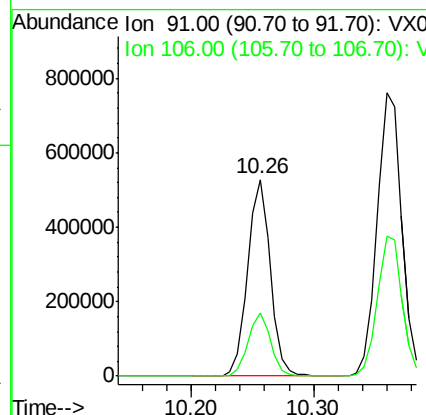
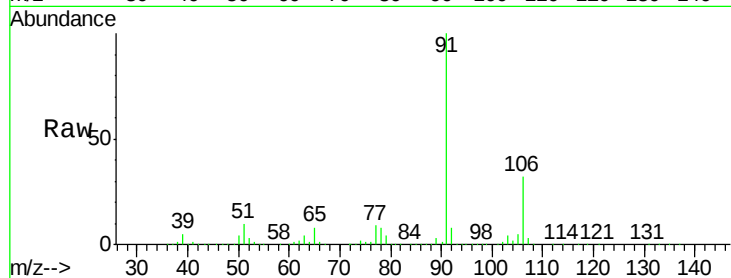




#67
Ethyl Benzene
Concen: 50.98 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

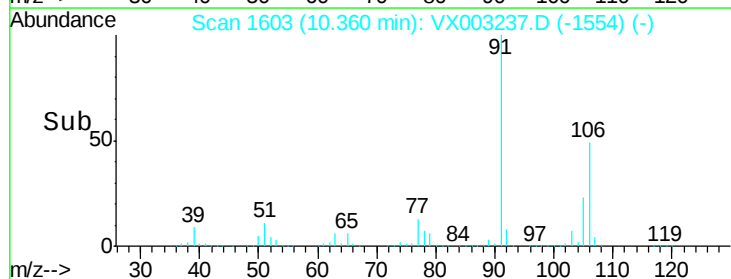
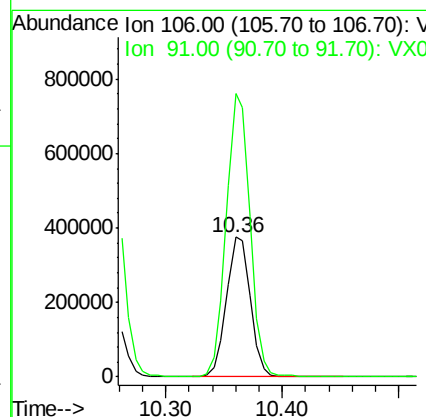
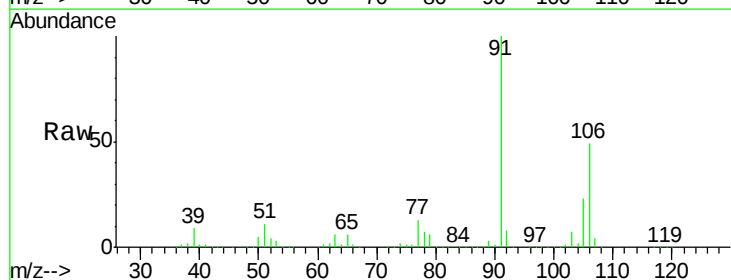
Instrument :
MSVOA_X
ClientSampleId :

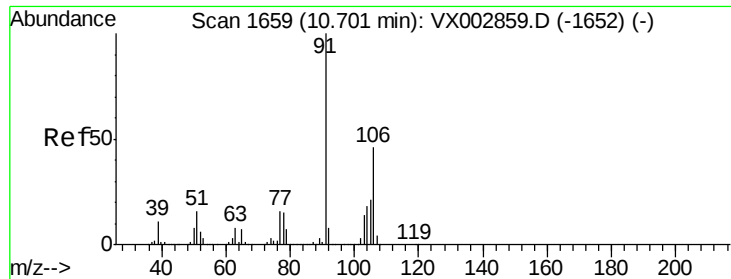
Tot Ion: 91 Resp: 680525
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 103.20 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion: 106 Resp: 530913
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2

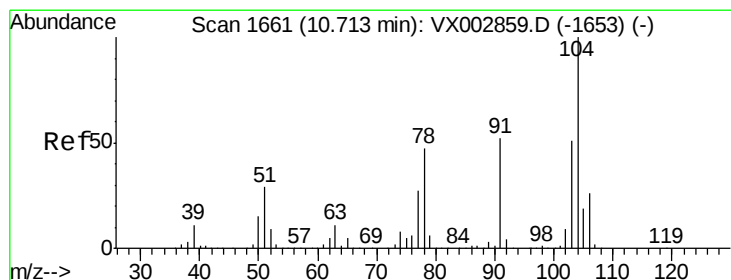
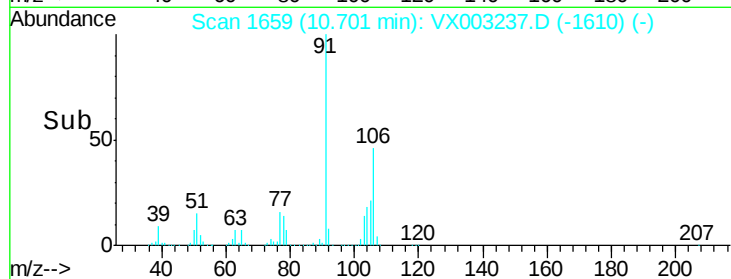
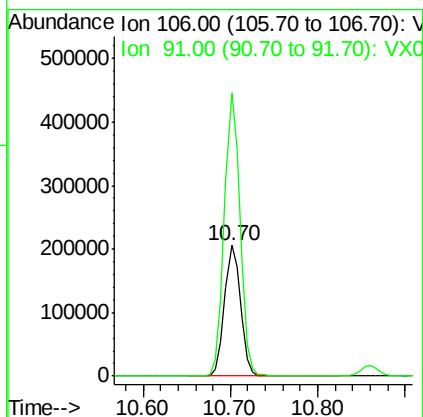
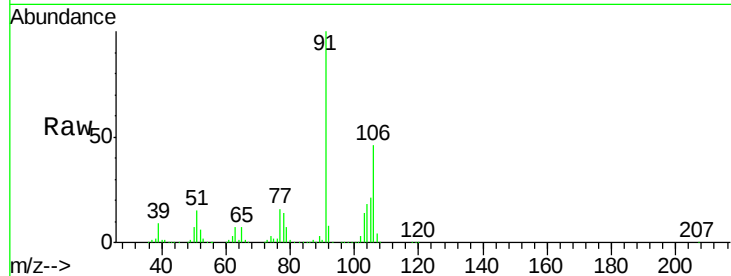




#69
o-Xylene
Concen: 52.08 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

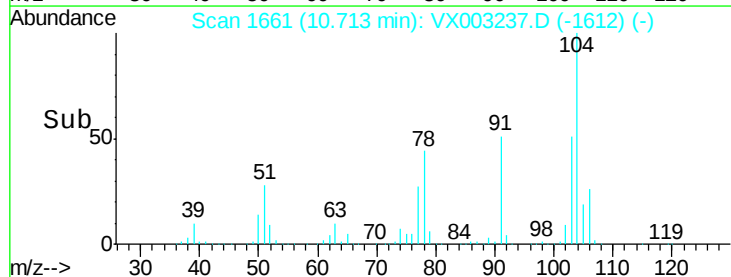
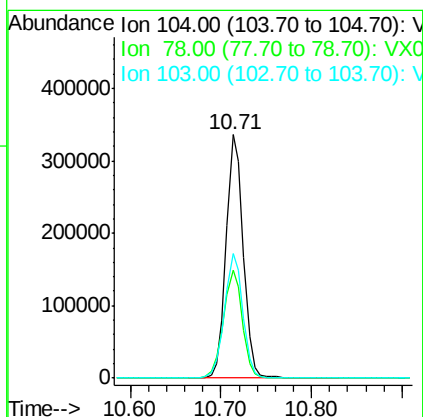
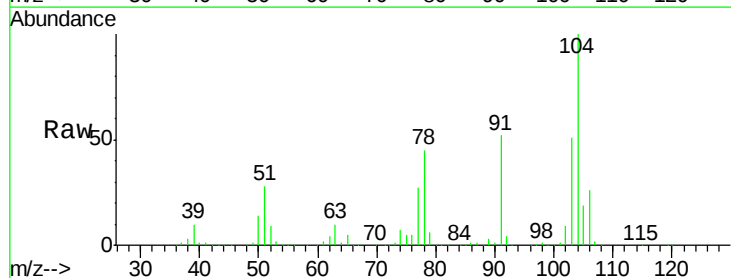
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 260864
Ion Ratio Lower Upper
106 100
91 212.2 108.2 324.6



#70
Styrene
Concen: 54.22 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion:104 Resp: 441338
Ion Ratio Lower Upper
104 100
78 49.4 41.0 61.6
103 55.3 44.2 66.4

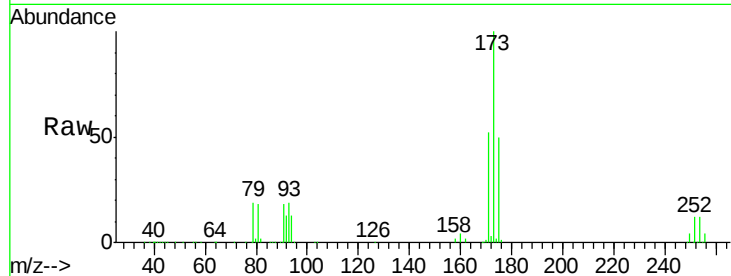




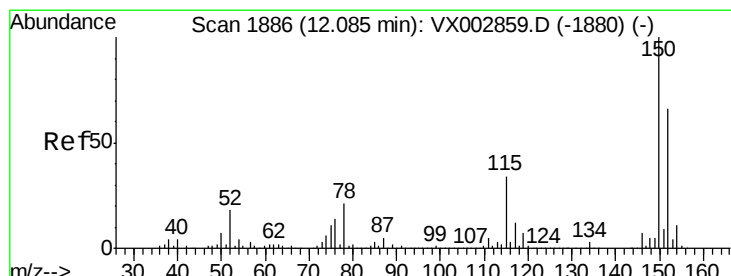
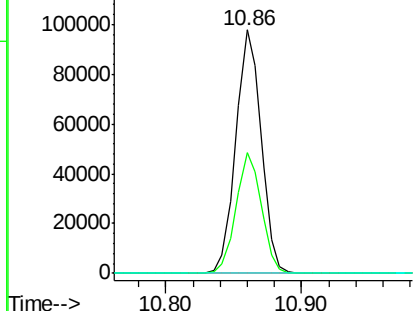
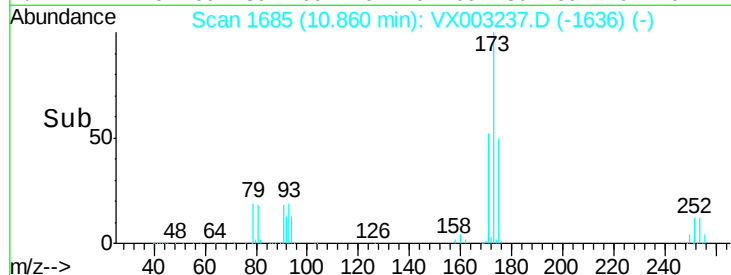
#71
Bromoform
Concen: 47.96 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:173 Resp: 126749
Ion Ratio Lower Upper
173 100
175 49.5 24.7 74.1
254 0.2 0.2 0.2

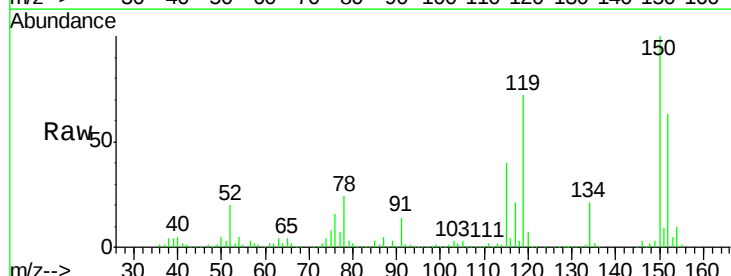


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

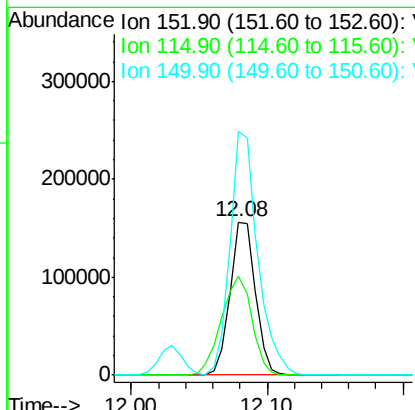
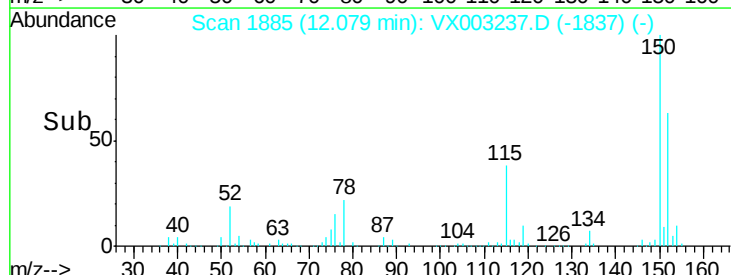


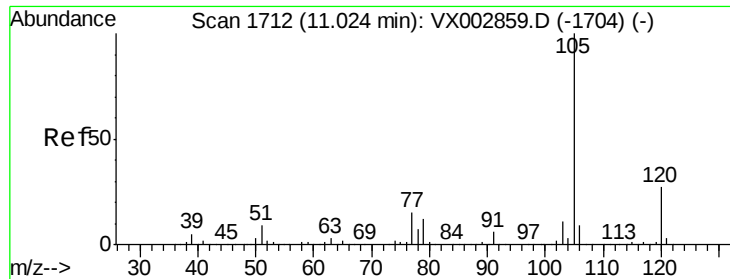
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion:152 Resp: 202519
Ion Ratio Lower Upper
152 100
115 77.8 40.1 120.2
150 173.9 0.0 347.2



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





#73

Isopropylbenzene

Concen: 52.00 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

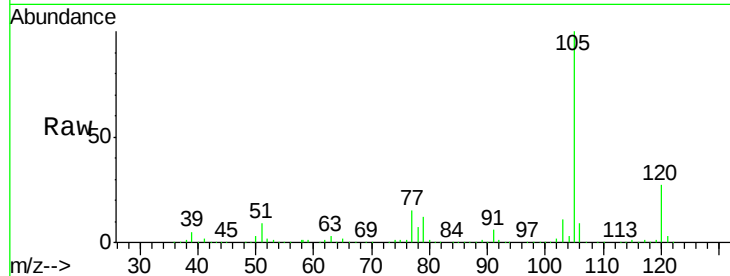
ClientSampleId :

Tot Ion:105 Resp: 708478

Ion Ratio Lower Upper

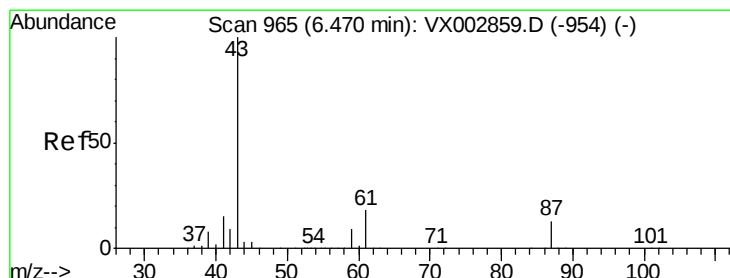
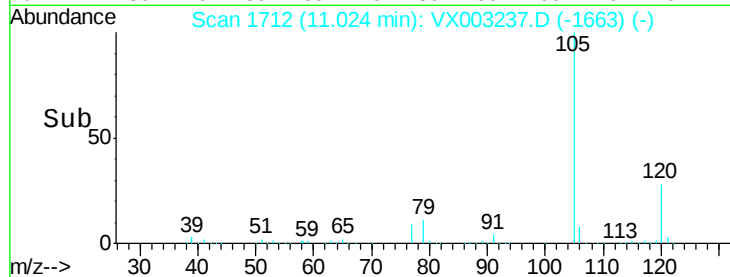
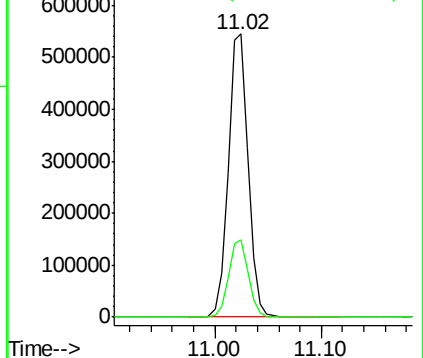
105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.65 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Tgt Ion: 43 Resp: 330957

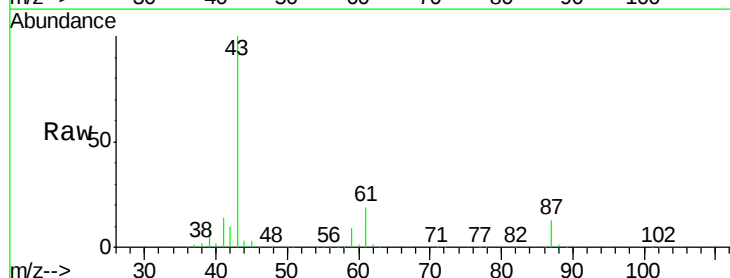
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.2 14.4 21.6

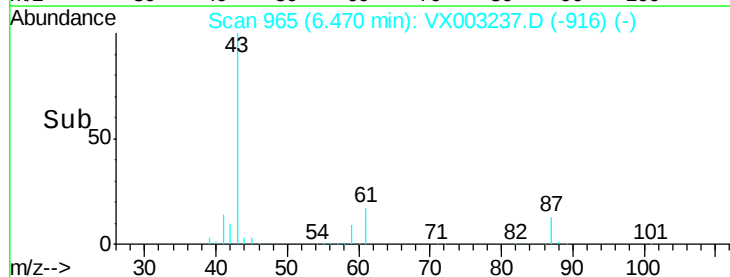
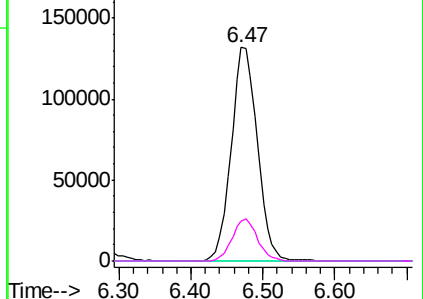


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 51.38 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

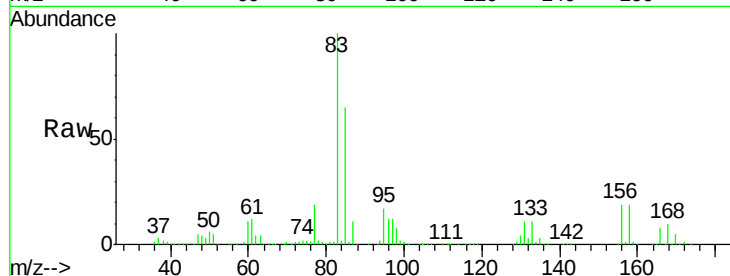
Tot Ion: 83 Resp: 215649

Ion Ratio Lower Upper

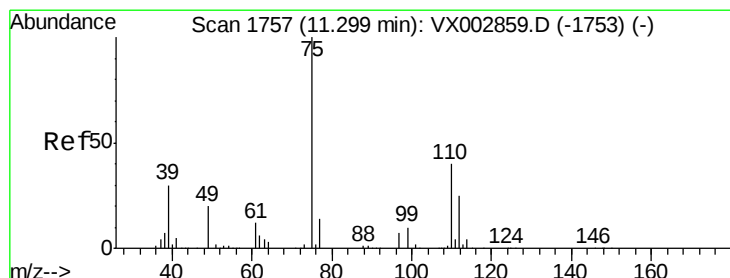
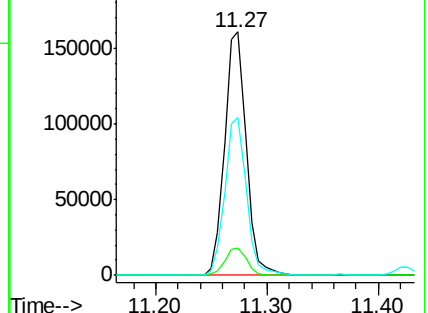
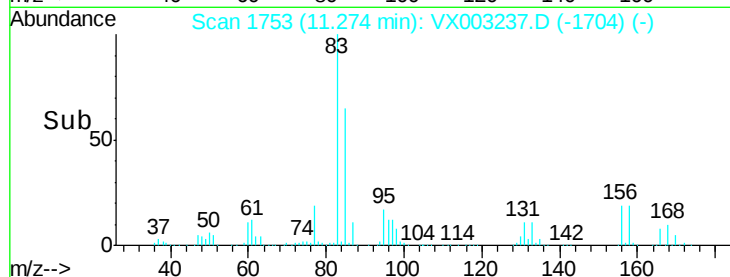
83 100

131 11.3 5.6 16.8

85 65.0 32.4 97.2



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: 66.73 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003237.D

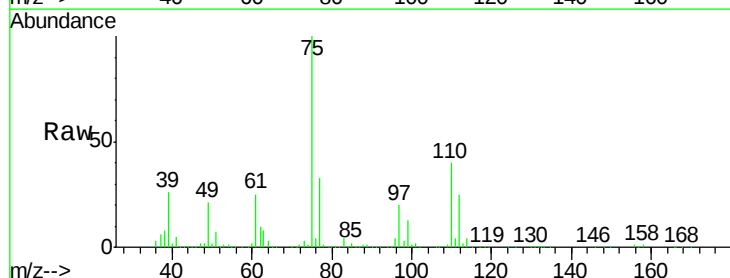
Acq: 07 Jul 2018 02:27

Tgt Ion: 75 Resp: 244780

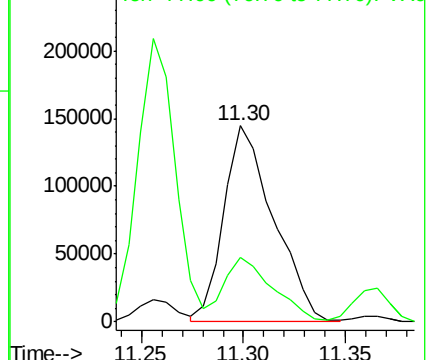
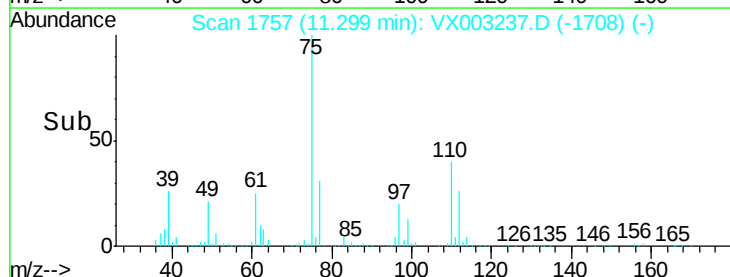
Ion Ratio Lower Upper

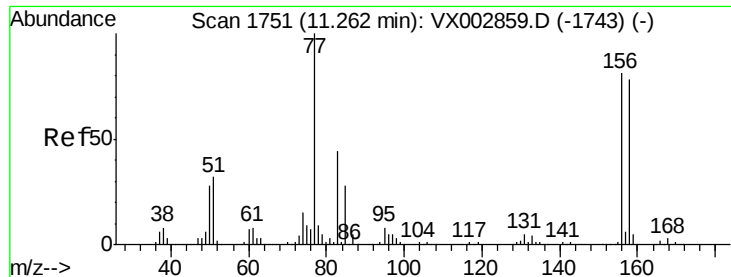
75 100

77 32.4 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.50 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

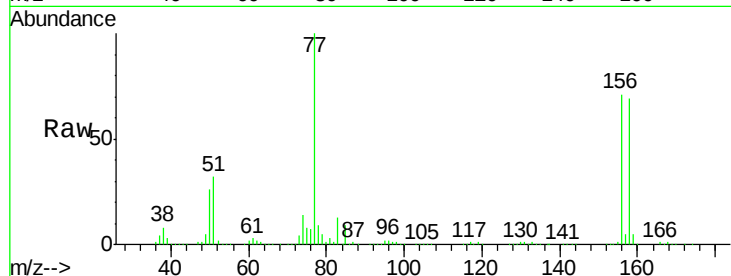
Tot Ion:156 Resp: 199800

Ion Ratio Lower Upper

156 100

77 134.0 71.4 214.2

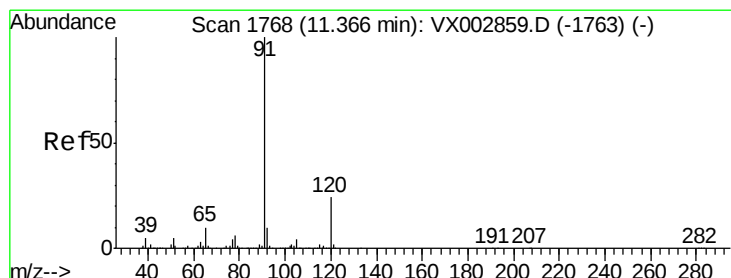
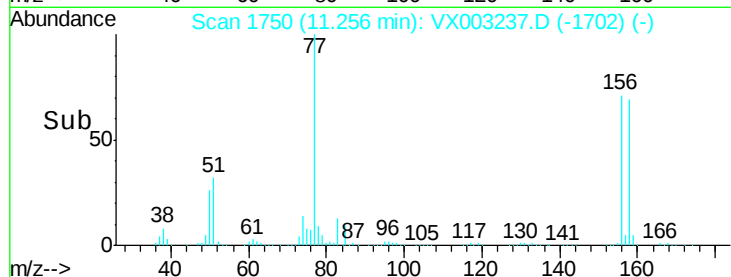
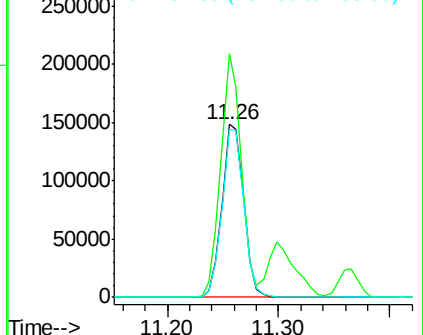
158 97.5 48.9 146.6



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: 50.84 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003237.D

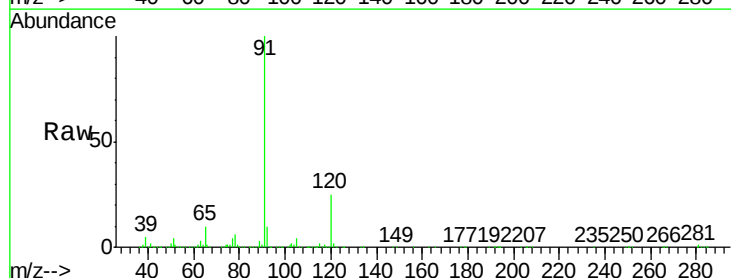
Acq: 07 Jul 2018 02:27

Tgt Ion: 91 Resp: 788454

Ion Ratio Lower Upper

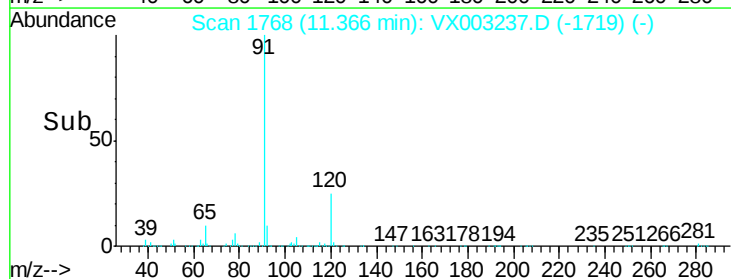
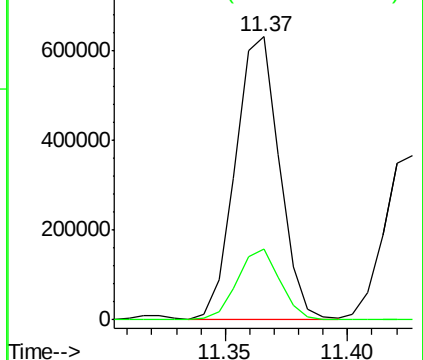
91 100

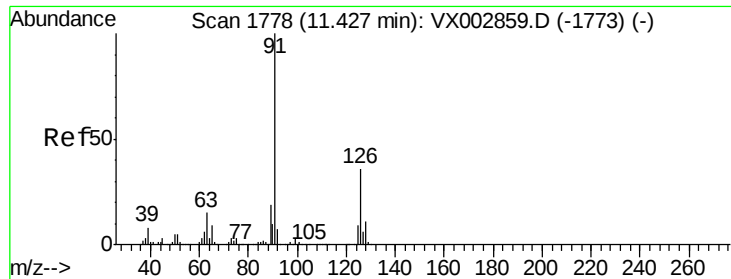
120 24.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.05 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

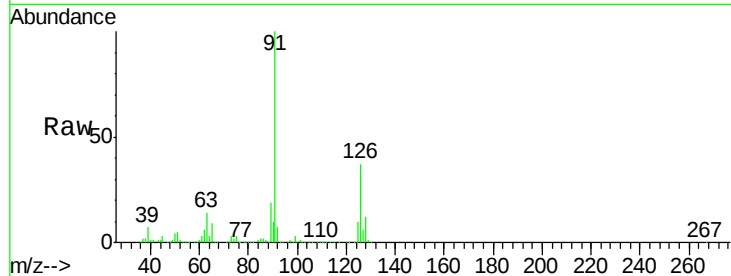
ClientSampleId :

Tot Ion: 91 Resp: 469925

Ion Ratio Lower Upper

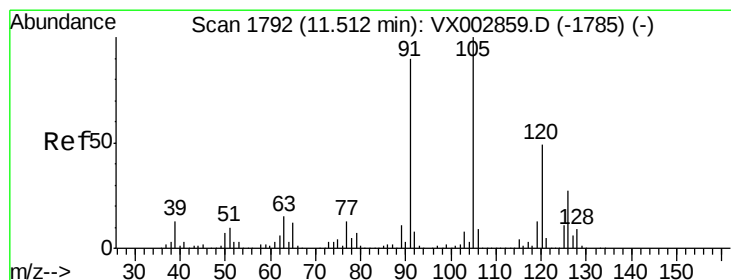
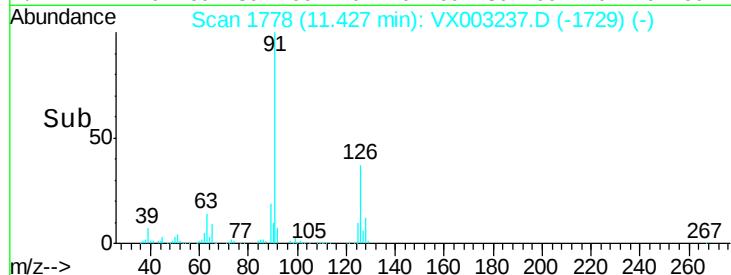
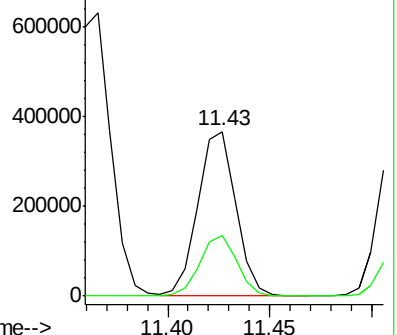
91 100

126 36.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX002859.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX002859.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.78 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003237.D

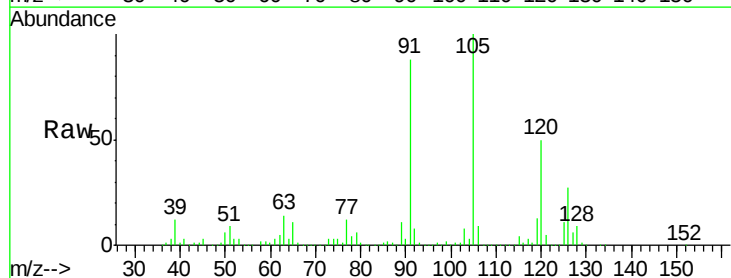
Acq: 07 Jul 2018 02:27

Tgt Ion: 105 Resp: 594186

Ion Ratio Lower Upper

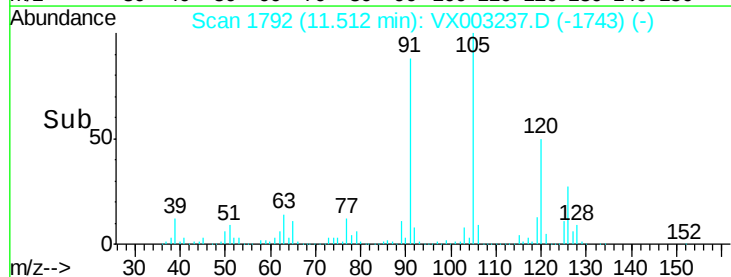
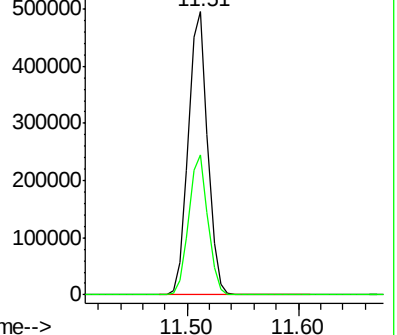
105 100

120 49.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002859.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX002859.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.47 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

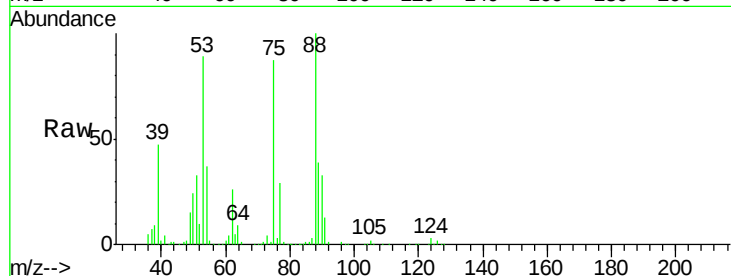
Tot Ion: 75 Resp: 54372

Ion Ratio Lower Upper

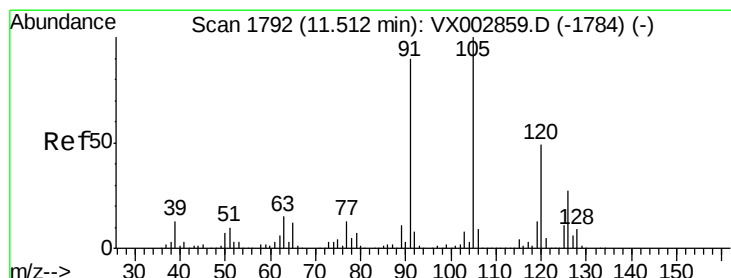
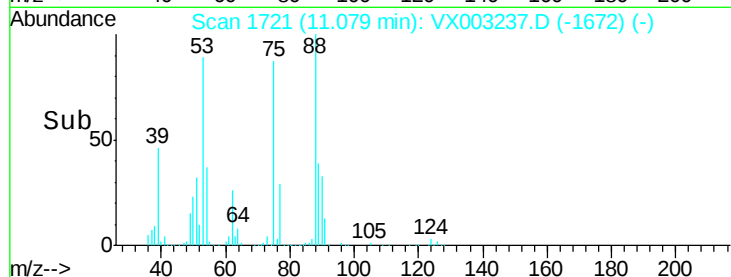
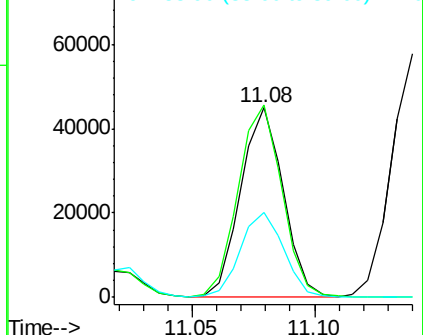
75 100

53 104.2 86.8 130.2

89 46.2 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.69 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003237.D

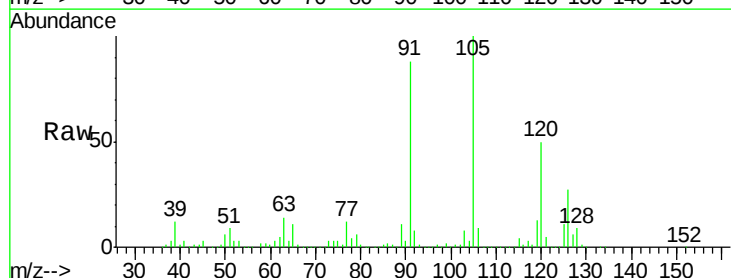
Acq: 07 Jul 2018 02:27

Tgt Ion: 91 Resp: 552325

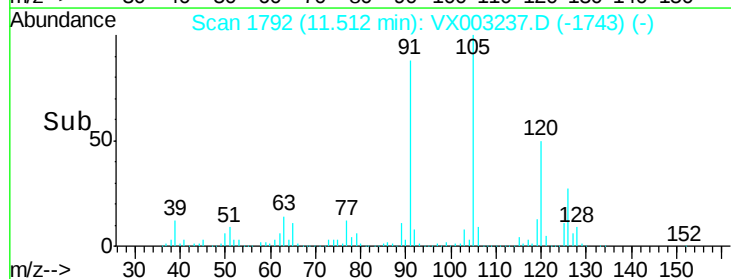
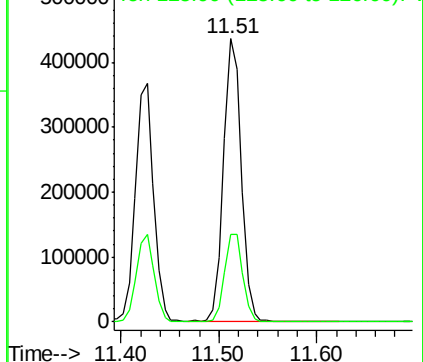
Ion Ratio Lower Upper

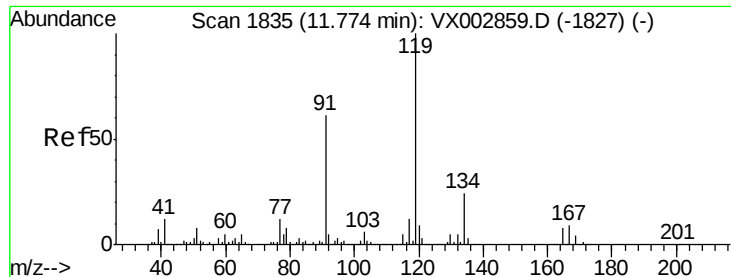
91 100

126 31.8 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

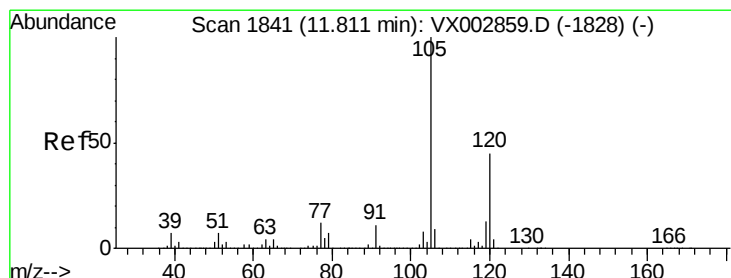
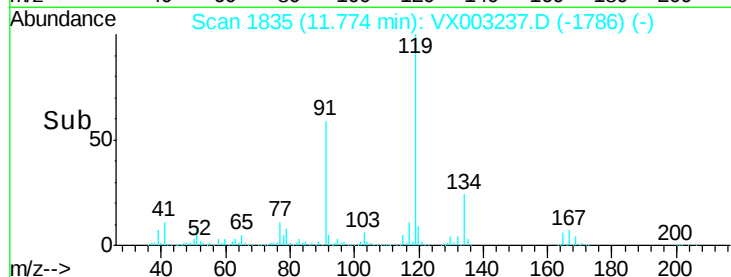
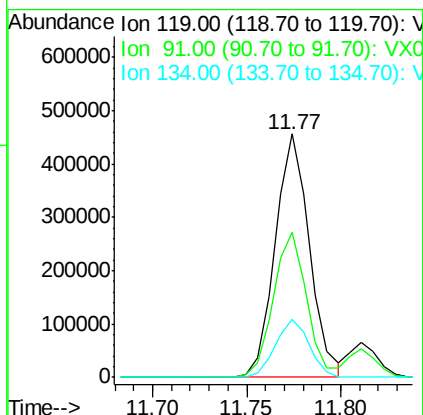
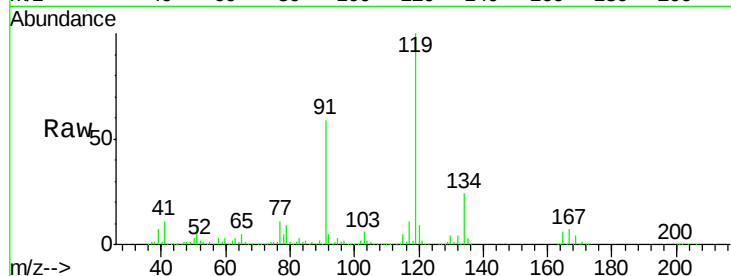




#83
tert-Butylbenzene
Concen: 50.68 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

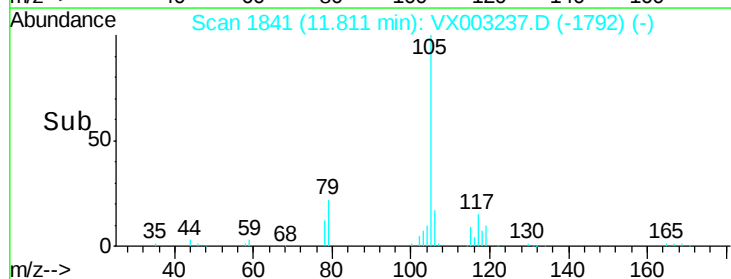
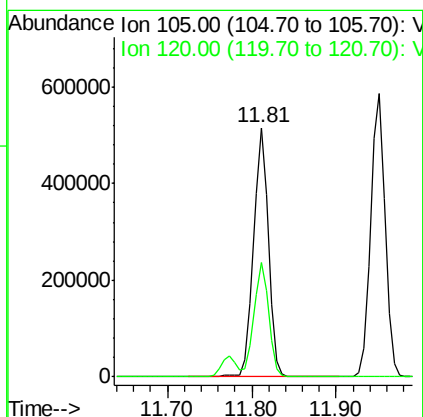
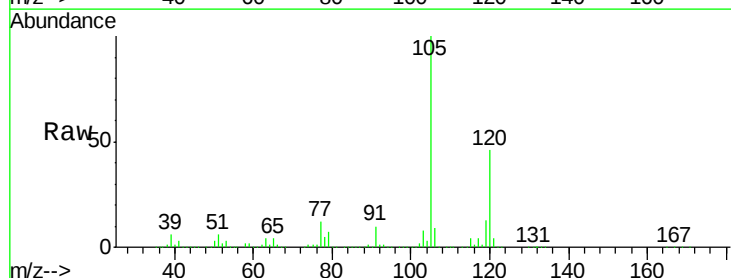
Instrument :
MSVOA_X
ClientSampleId :

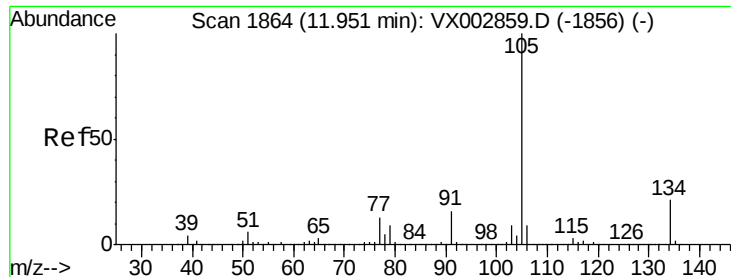
Tot Ion:119 Resp: 573176
Ion Ratio Lower Upper
119 100
91 58.5 30.3 90.9
134 23.6 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 51.31 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion:105 Resp: 610041
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.8





#85

sec-Butylbenzene

Concen: 51.10 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

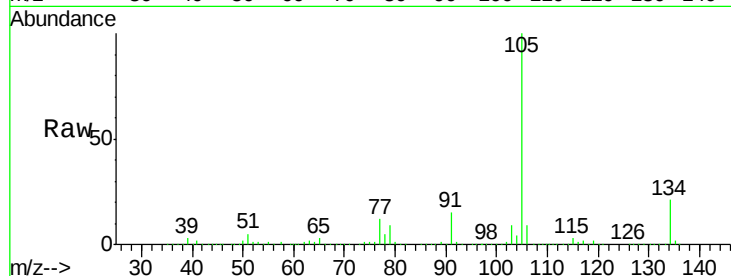
ClientSampleId :

Tot Ion:105 Resp: 700989

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

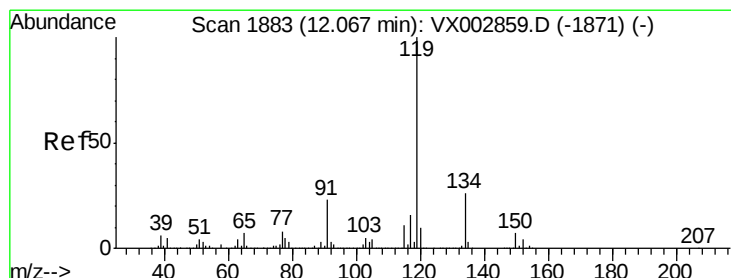
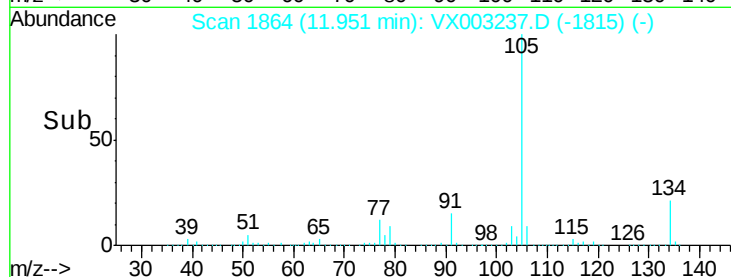
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.49 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

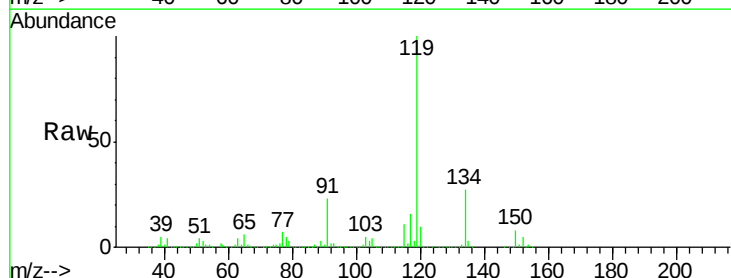
Tgt Ion:119 Resp: 635066

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 23.0 11.9 35.7



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

12.07

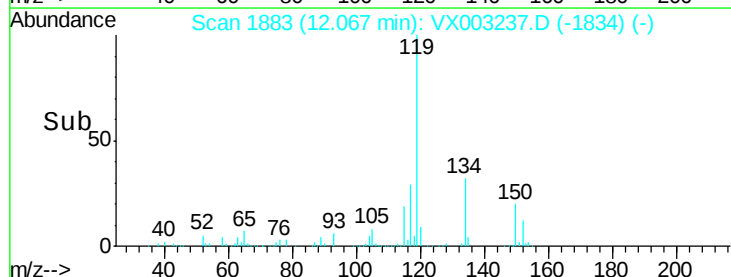
600000

400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.41 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampleId :

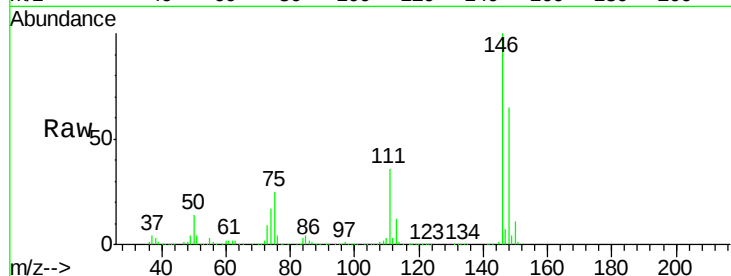
Tot Ion:146 Resp: 357186

Ion Ratio Lower Upper

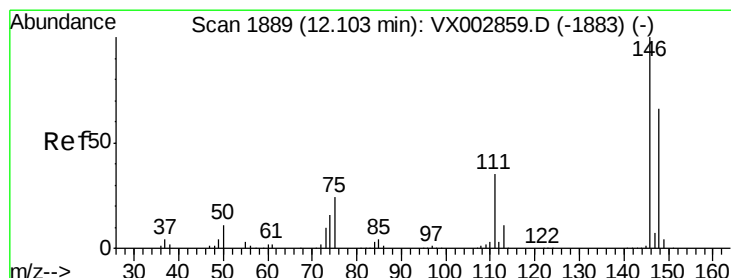
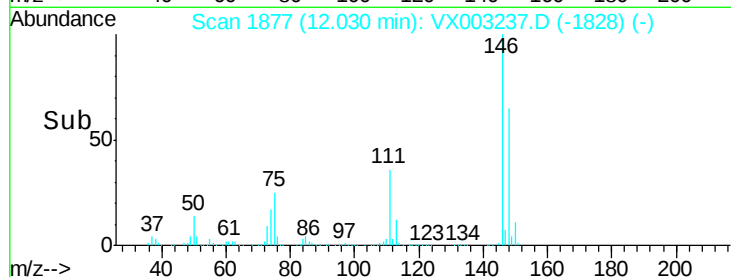
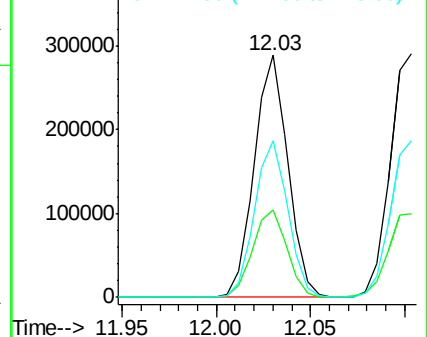
146 100

111 37.0 18.9 56.7

148 64.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.75 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

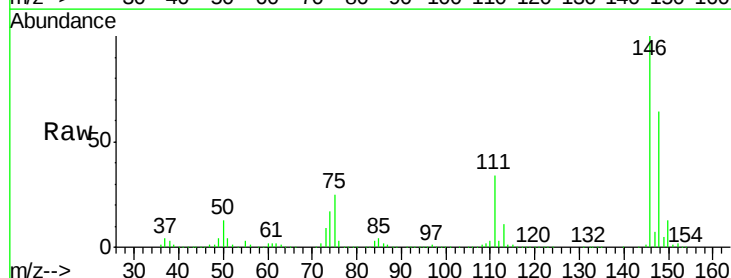
Tgt Ion:146 Resp: 362812

Ion Ratio Lower Upper

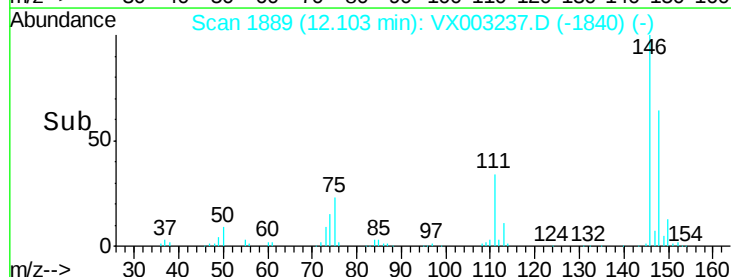
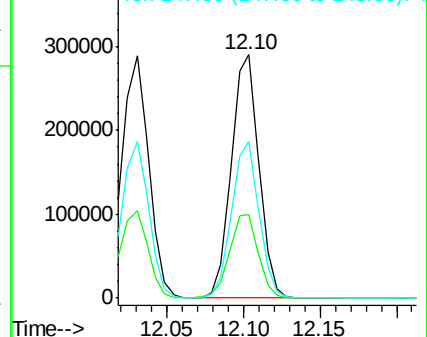
146 100

111 35.7 18.7 56.1

148 63.9 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.43 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampled :

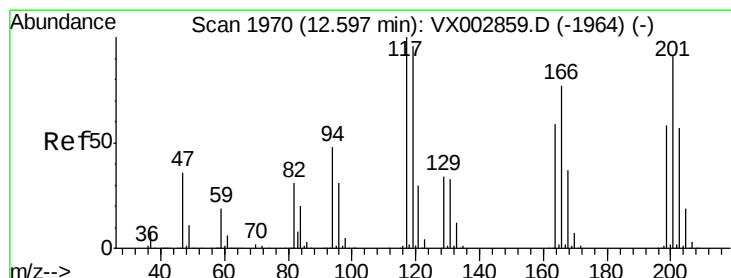
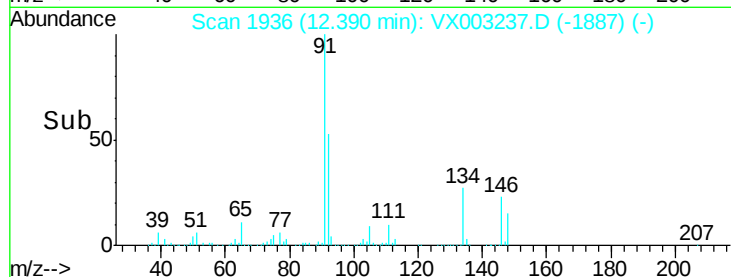
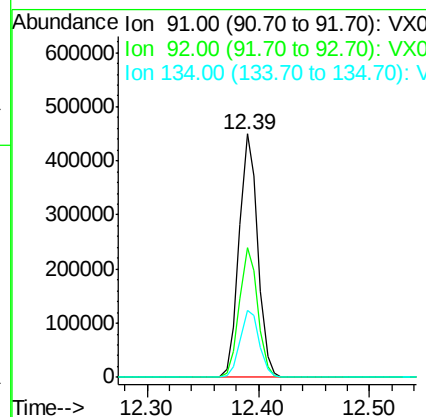
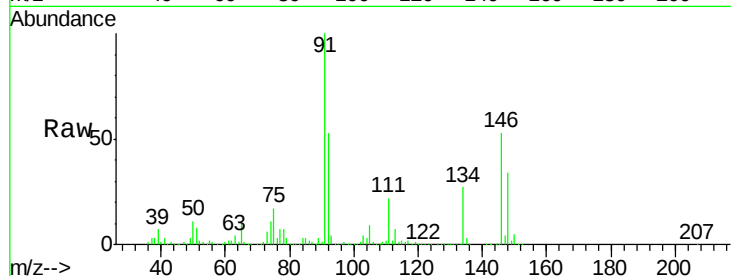
Tot Ion: 91 Resp: 519909

Ion Ratio Lower Upper

91 100

92 52.7 26.0 78.0

134 28.1 13.5 40.5



#90

Hexachloroethane

Concen: 51.35 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX003237.D

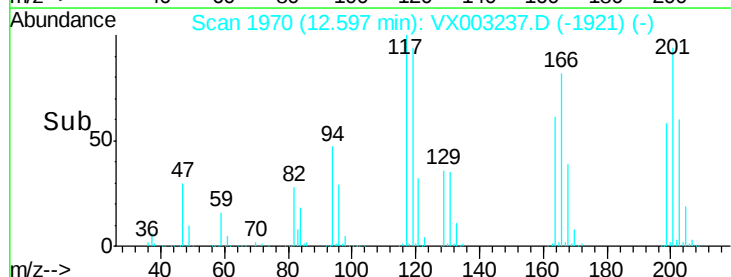
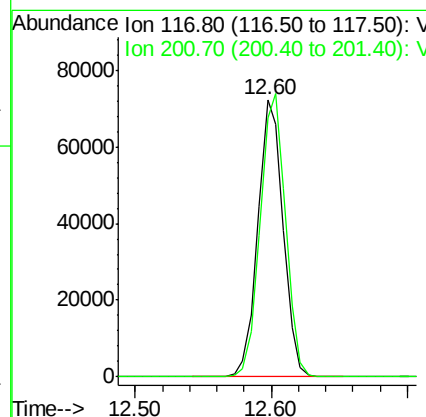
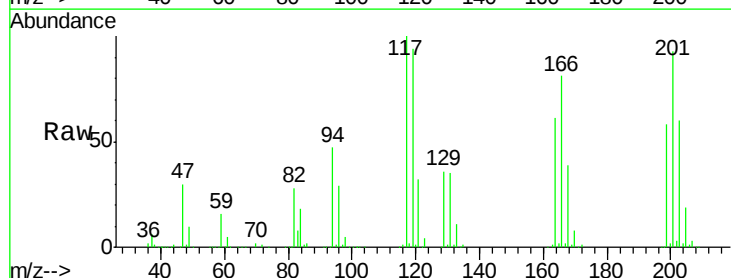
Acq: 07 Jul 2018 02:27

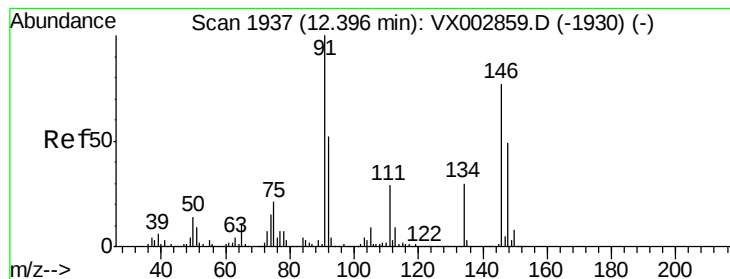
Tgt Ion: 117 Resp: 94201

Ion Ratio Lower Upper

117 100

201 102.8 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 51.06 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

Instrument :

MSVOA_X

ClientSampled :

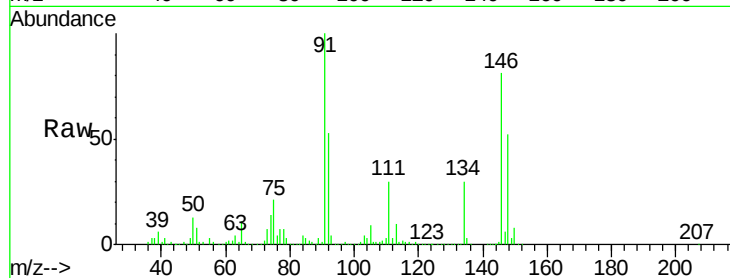
Tot Ion:146 Resp: 365186

Ion Ratio Lower Upper

146 100

111 38.0 19.4 58.1

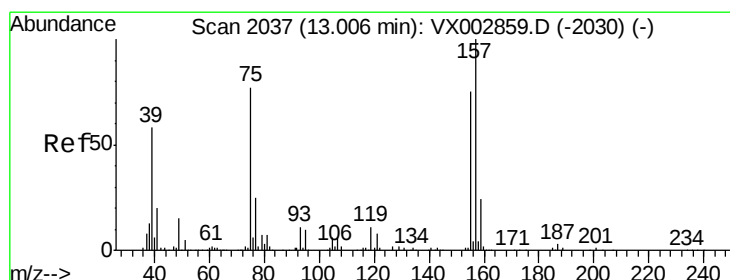
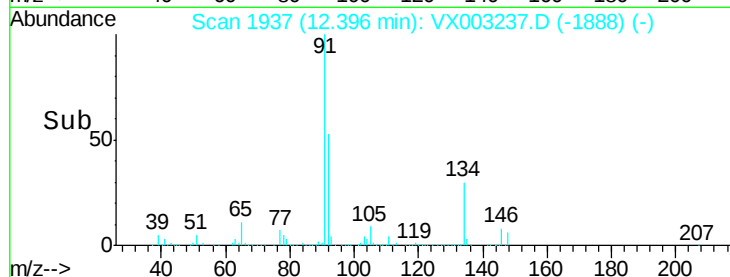
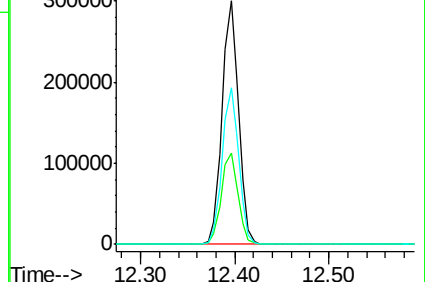
148 64.5 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.05 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX003237.D

Acq: 07 Jul 2018 02:27

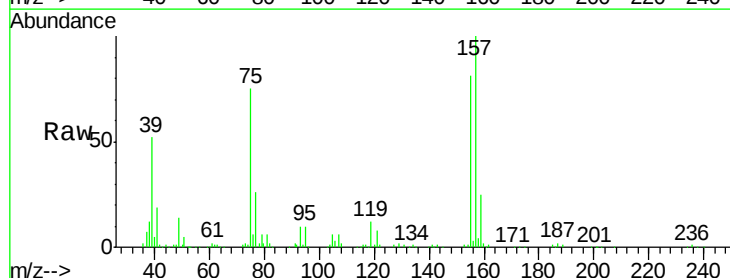
Tgt Ion: 75 Resp: 48160

Ion Ratio Lower Upper

75 100

155 100.6 45.8 137.4

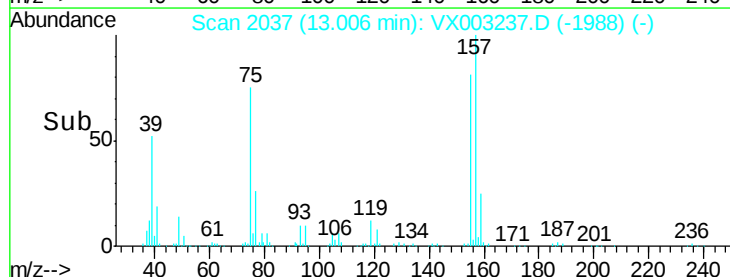
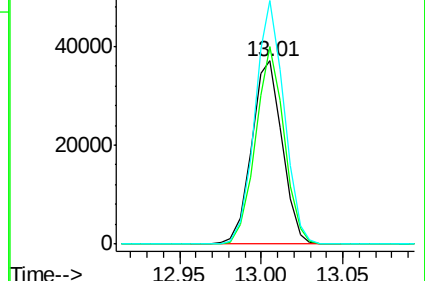
157 126.6 60.1 180.3

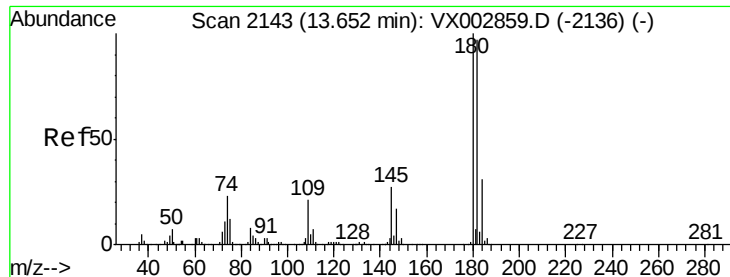


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

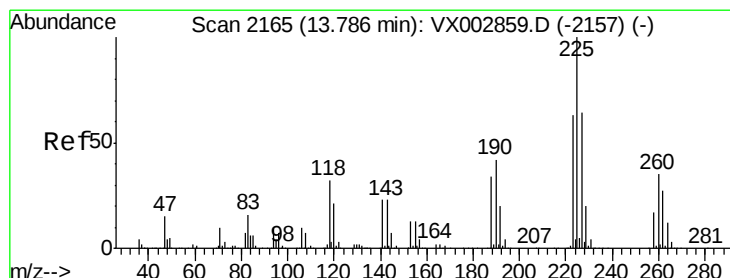
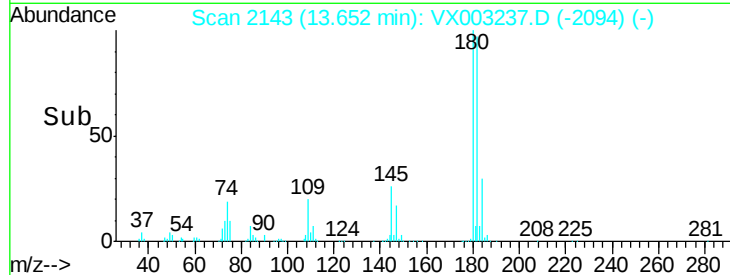
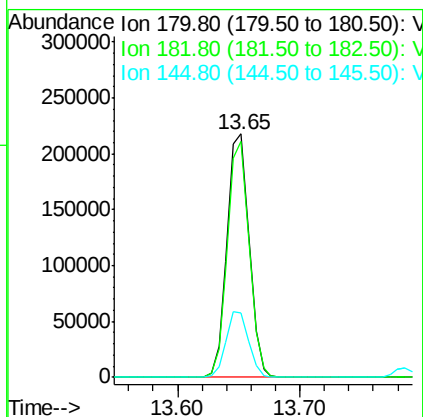
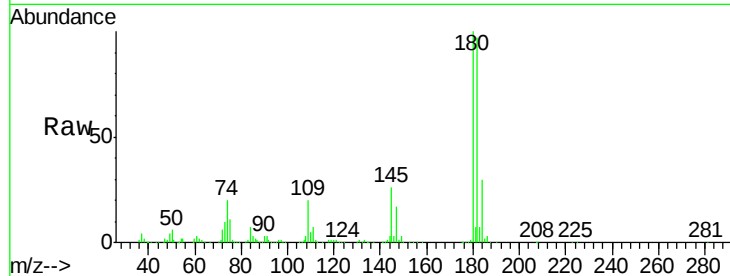




#93
 1,2,4-Trichlorobenzene
 Concen: 52.14 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

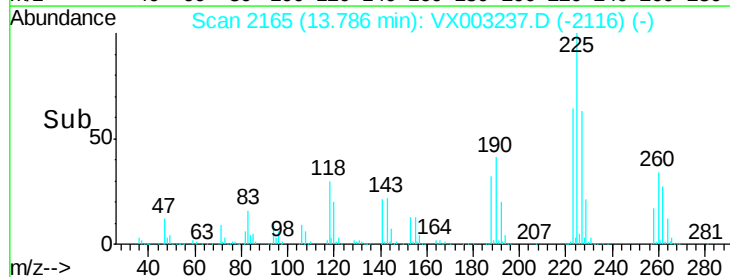
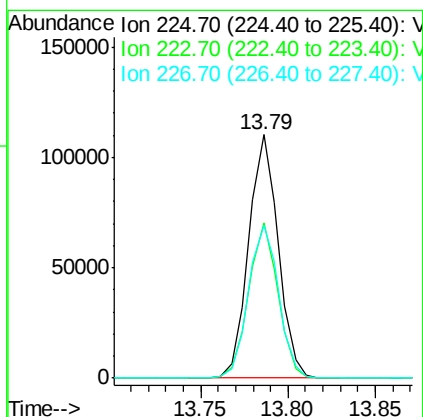
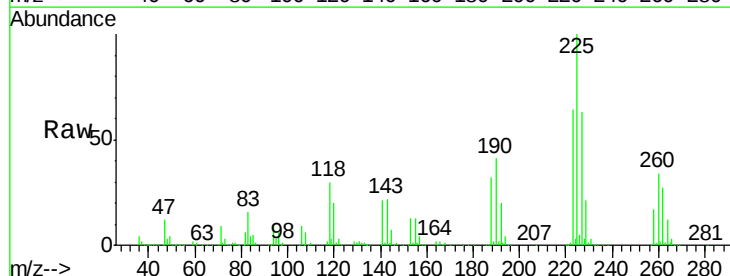
Instrument :
 MSVOA_X
 ClientSampleId :

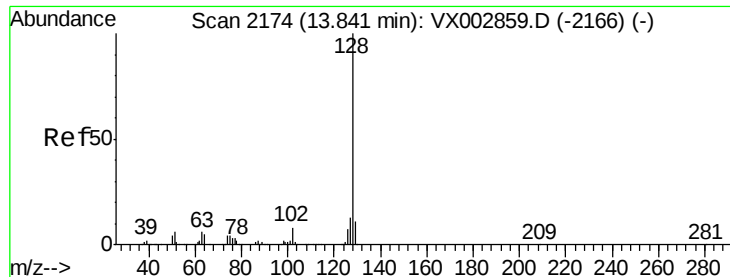
Tot Ion:180 Resp: 271403
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.7 143.1
 145 27.3 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 49.63 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003237.D
 Acq: 07 Jul 2018 02:27

Tgt Ion:225 Resp: 128848
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.6 95.0
 227 64.6 32.4 97.2

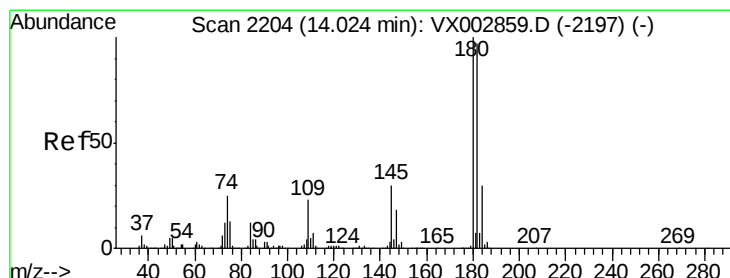
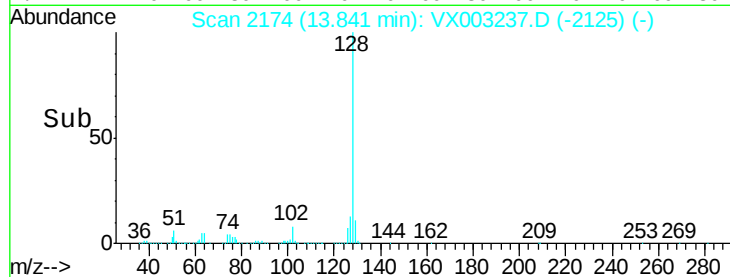
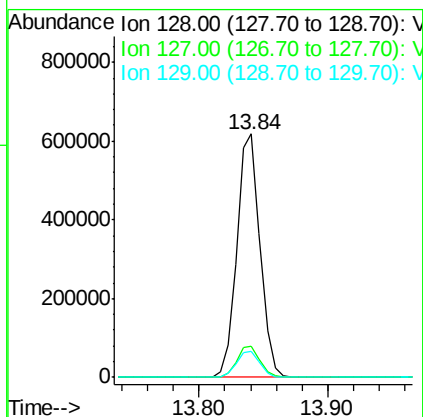
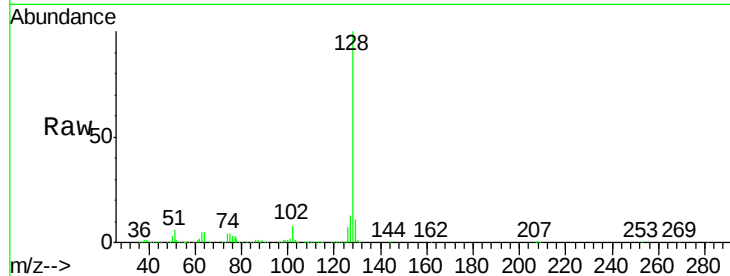




#95
Naphthalene
Concen: 55.49 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 769240
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.66 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003237.D
Acq: 07 Jul 2018 02:27

Tgt Ion:180 Resp: 284159
Ion Ratio Lower Upper
180 100
182 95.4 48.0 144.0
145 29.2 14.8 44.3

