

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
 Data File : VX000110.D
 Acq On : 20 Feb 2018 16:04
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 21 05:42:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 05:38:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	15787	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	93914	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	89579	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	37508	30.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.20%
60) 4-Bromofluorobenzene	11.15	95	43177	29.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.73%
63) Toluene-d8	8.73	98	115871	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	5254	5.49	ug/l	99
3) Chloromethane	1.32	50	5493	5.53	ug/l	99
4) Vinyl Chloride	1.40	62	6446	5.53	ug/l	93
5) Bromomethane	1.64	94	6721	6.39	ug/l	92
6) Chloroethane	1.73	64	4243	5.78	ug/l	93
7) Trichlorofluoromethane	1.93	101	11259	5.65	ug/l	86
8) Diethyl Ether	2.19	74	3773	5.18	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5677	5.15	ug/l	94
10) 1,1-Dichloroethene	2.37	96	5571	5.27	ug/l	94
11) Methyl Iodide	2.51	142	4983	5.86	ug/l	97
12) Methyl Acetate	2.79	43	10041	5.33	ug/l	93
13) Acrolein	2.30	56	6524	30.31	ug/l	95
14) Acrylonitrile	3.15	53	21874	26.71	ug/l	100
15) Acetone	2.45	58	7107	25.46	ug/l	89
16) Carbon Disulfide	2.57	76	16837	5.66	ug/l #	94
17) Allyl chloride	2.73	41	9995	5.62	ug/l	97
18) Methylene Chloride	2.86	84	6346	5.63	ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	6194	5.45	ug/l	89
20) Diisopropyl ether	3.89	45	15895	5.85	ug/l #	93
21) 1,1-Dichloroethane	3.71	63	10099	5.23	ug/l	95
22) cis-1,2-Dichloroethene	4.61	96	5835	5.52	ug/l	95
23) tert-Butyl Alcohol	3.09	59	13014	27.32	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	19033	5.26	ug/l	98
25) Chloroform	5.23	83	9499	5.19	ug/l	90
26) Cyclohexane	5.58	56	7831	5.44	ug/l #	99
29) 1,1-Dichloropropene	5.81	75	7330	5.41	ug/l	87
30) 2-Butanone	4.73	43	28904	26.73	ug/l #	95
31) 2,2-Dichloropropane	4.60	77	7861	5.38	ug/l #	72
32) 1,1,1-Trichloroethane	5.51	97	8609	5.23	ug/l	97
33) Carbon Tetrachloride	5.79	117	7311	5.03	ug/l	97
34) Benzene	6.15	78	20391	5.15	ug/l #	89
35) Methacrylonitrile	5.09	41	5542	5.75	ug/l	93
36) 1,2-Dichloroethane	6.21	62	8046	5.39	ug/l #	87
37) Trichloroethene	7.22	130	6292	5.35	ug/l	96
38) Methylcyclohexane	7.47	83	8682	5.44	ug/l	96
39) 1,2-Dichloropropane	7.52	63	5364	5.37	ug/l	99
40) Dibromomethane	7.67	93	3900	5.19	ug/l	98

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 21 05:42:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 05:38:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.91	83	7428	5.13	ug/l #	99
42) Vinyl Acetate	3.84	43	79145	30.44	ug/l	98
43) Ethyl Acetate	4.88	43	10169	5.38	ug/l #	74
44) Isopropyl Acetate	6.49	43	14283	5.29	ug/l	98
45) 1,4-Dioxane	7.77	88	3698	110.64	ug/l	97
46) Methyl methacrylate	7.79	41	6756	5.13	ug/l	91
47) n-amyl Acetate	10.91	43	11649	5.02	ug/l	99
48) t-1,3-Dichloropropene	8.45	75	8565	5.03	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	8123	4.94	ug/l	97
50) 1,1,2-Trichloroethane	9.23	97	5725	5.28	ug/l #	91
51) Ethyl methacrylate	9.20	69	8785	5.32	ug/l	96
52) 1,3-Dichloropropane	9.38	76	9317	5.17	ug/l	99
53) Dibromochloromethane	9.59	129	5811	4.73	ug/l	96
54) 1,2-Dibromoethane	9.68	107	6262	5.07	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	19381	23.02	ug/l	98
56) Bromoform	10.87	173	4362	4.47	ug/l	97
58) 4-Methyl-2-Pentanone	8.66	43	51116	25.33	ug/l	100
59) 2-Hexanone	9.51	43	42794	24.90	ug/l	98
61) Tetrachloroethene	9.34	164	5608	5.15	ug/l	87
62) Toluene	8.79	91	23824	5.06	ug/l	98
64) Chlorobenzene	10.15	112	16578	5.28	ug/l	89
65) 1,1,1,2-Tetrachloroethane	10.23	131	5321	4.75	ug/l	98
66) Ethyl Benzene	10.26	91	27488	5.08	ug/l	99
67) m/p-Xylenes	10.37	106	21363	10.30	ug/l	97
68) o-Xylene	10.71	106	10181	4.97	ug/l	97
69) Styrene	10.72	104	16625	4.91	ug/l	99
70) Isopropylbenzene	11.02	105	28083	5.08	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	9299	4.88	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	11203	6.40	ug/l	83
73) Bromobenzene	11.26	156	7000	4.90	ug/l	96
74) n-propylbenzene	11.37	91	33477	5.17	ug/l	99
75) 2-Chlorotoluene	11.43	91	18759	4.96	ug/l	99
76) 1,3,5-Trimethylbenzene	11.52	105	23663	5.07	ug/l	71
77) t-1,4-Dichloro-2-butene	11.09	75	2633	4.31	ug/l	86
78) 4-Chlorotoluene	11.52	91	22505	5.05	ug/l	98
79) tert-butylbenzene	12.07	119	25243	5.38	ug/l	95
80) 1,2,4-Trimethylbenzene	11.82	105	23804	4.92	ug/l	100
81) sec-Butylbenzene	11.96	105	28890	4.97	ug/l	99
82) p-Isopropyltoluene	12.07	119	25243	4.86	ug/l	96
83) 1,3-Dichlorobenzene	12.04	146	13525	4.92	ug/l	98
84) 1,4-Dichlorobenzene	12.11	146	14619	5.17	ug/l	100
85) n-Butylbenzene	12.40	91	24455	5.04	ug/l	98
86) Hexachloroethane	12.60	117	4041	4.75	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	13442	4.88	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	2652	5.00	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	9907	5.02	ug/l	98
90) Hexachlorobutadiene	13.79	225	4390	5.34	ug/l	95
91) Naphthalene	13.84	128	34202	4.83	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	9978	4.97	ug/l	99

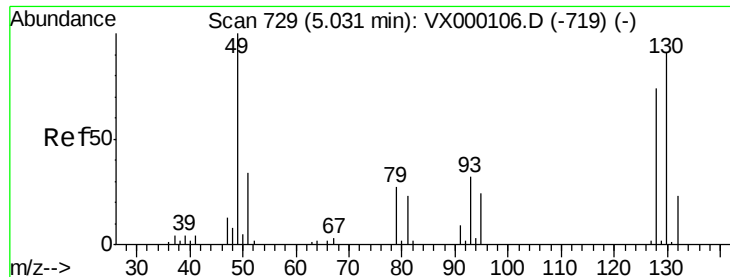
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
Data File : VX000110.D
Acq On : 20 Feb 2018 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 21 05:42:21 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 05:38:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

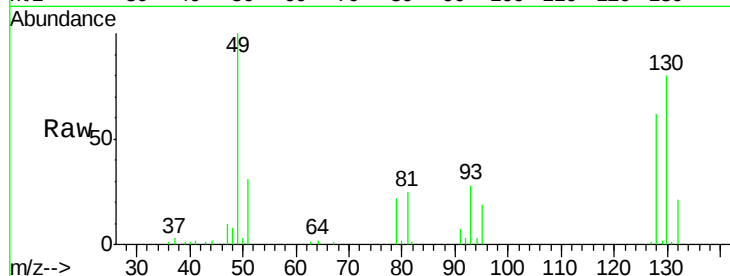
Tgt Ion:128 Resp: 15787

Ion Ratio Lower Upper

128 100

49 147.3 0.0 378.3

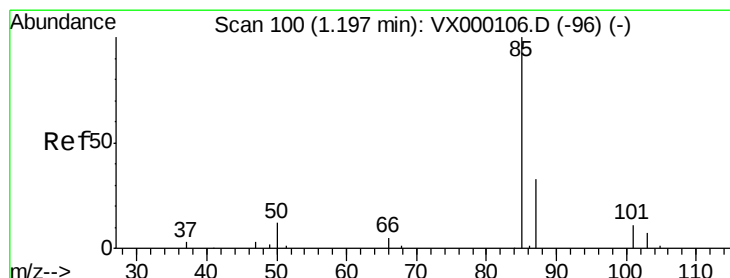
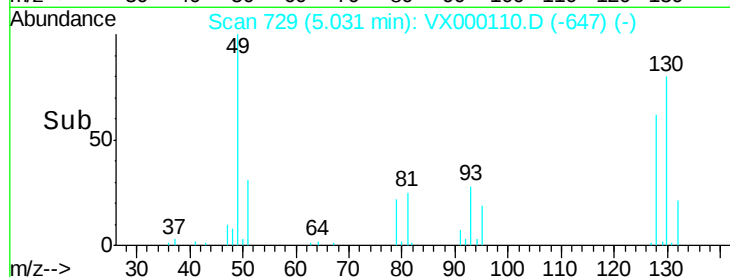
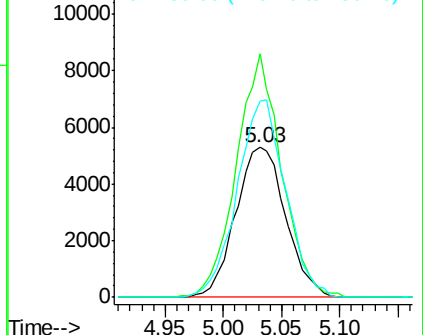
130 127.0 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.49 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000110.D

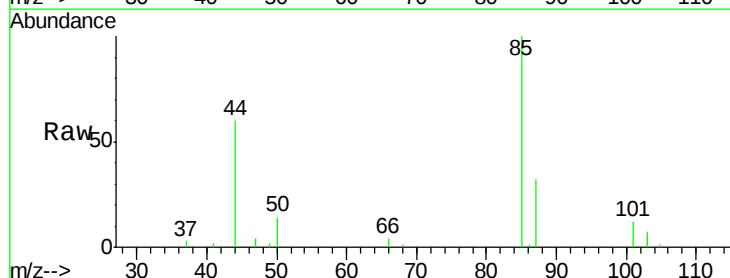
Acq: 20 Feb 2018 16:04

Tgt Ion: 85 Resp: 5254

Ion Ratio Lower Upper

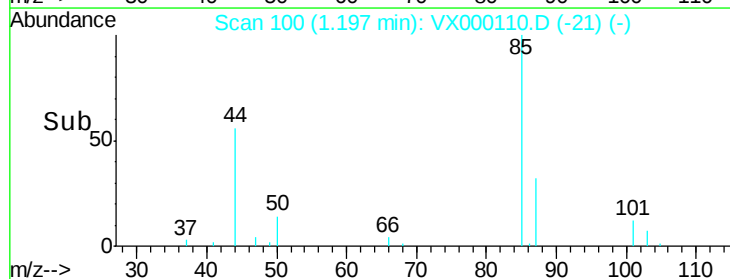
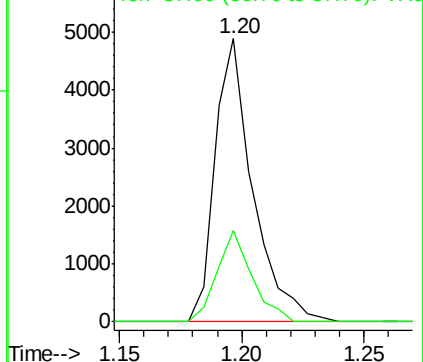
85 100

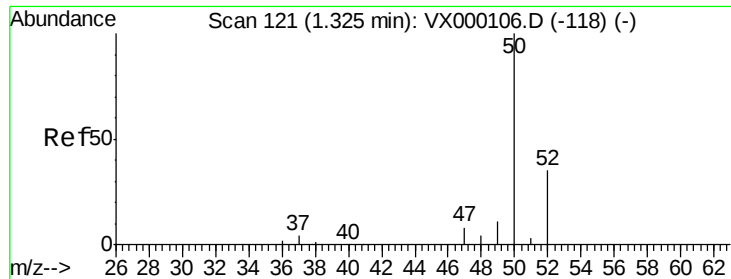
87 32.4 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 5.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

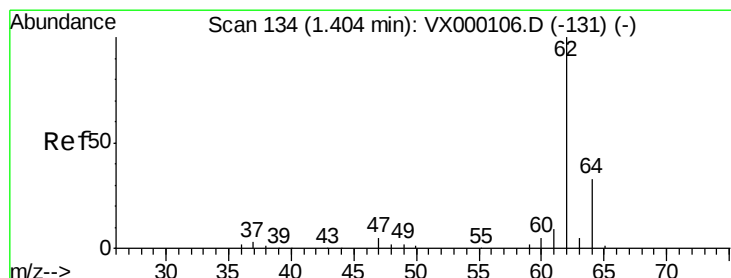
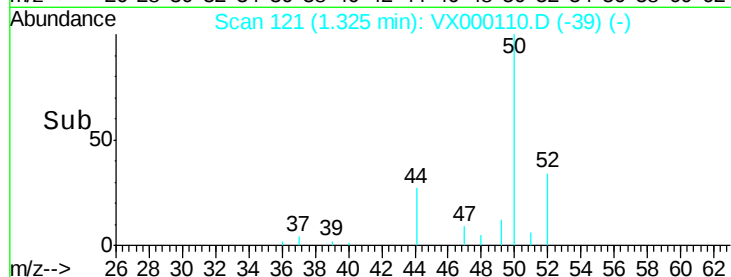
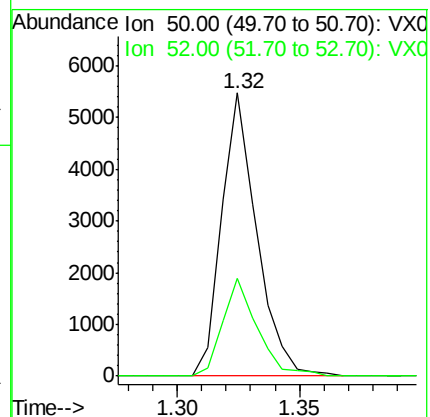
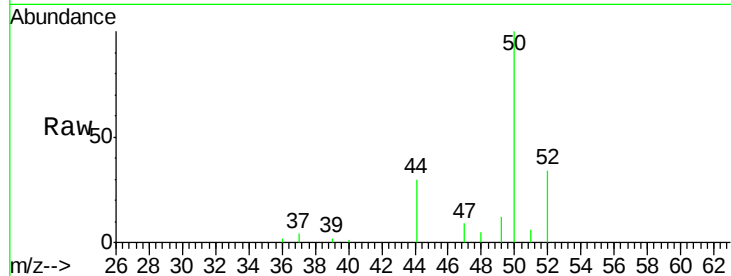
VSTDIC005

Tgt Ion: 50 Resp: 5493

Ion Ratio Lower Upper

50 100

52 34.4 27.8 41.6



#4

Vinyl Chloride

Concen: 5.53 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX000110.D

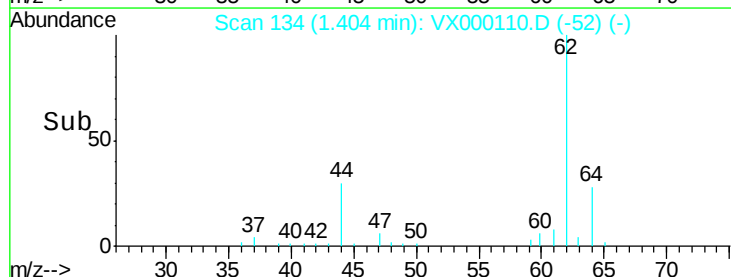
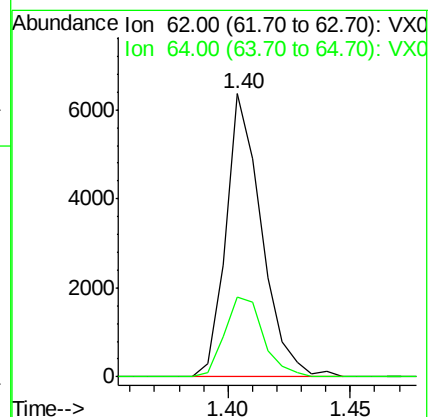
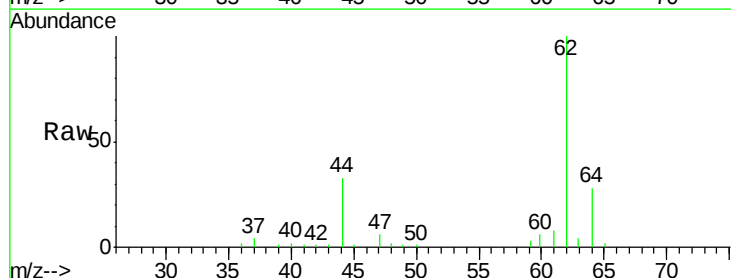
Acq: 20 Feb 2018 16:04

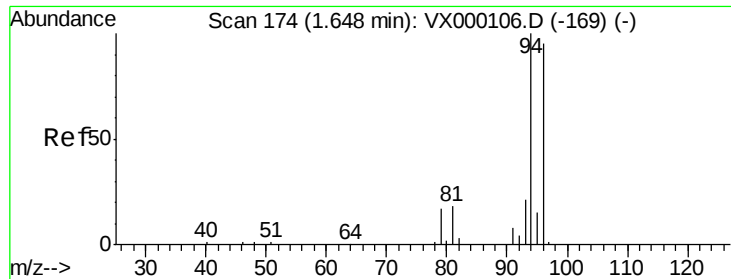
Tgt Ion: 62 Resp: 6446

Ion Ratio Lower Upper

62 100

64 28.4 26.0 39.0





#5

Bromomethane

Concen: 6.39 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

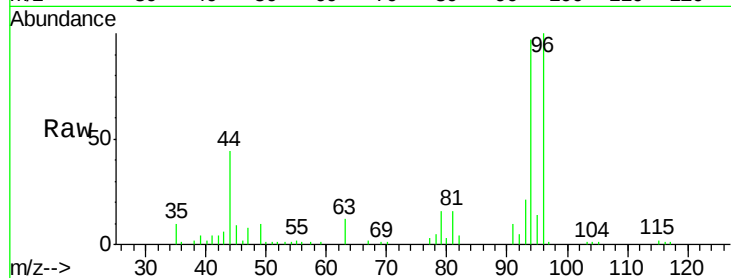
VSTDIC005

Tgt Ion: 94 Resp: 6721

Ion Ratio Lower Upper

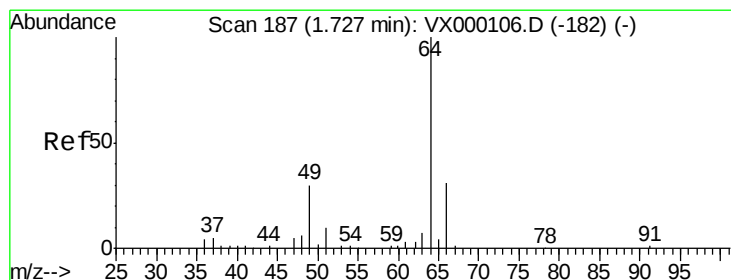
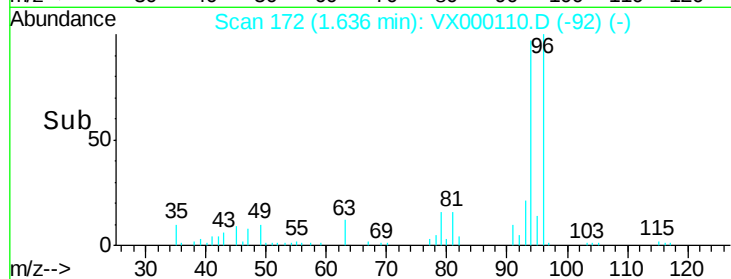
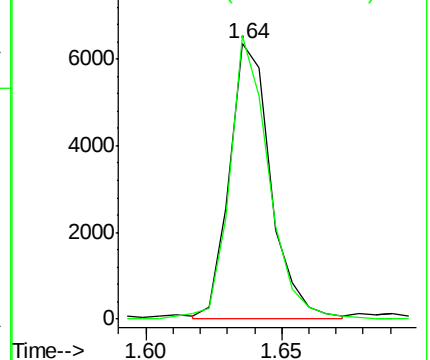
94 100

96 102.8 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 5.78 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000110.D

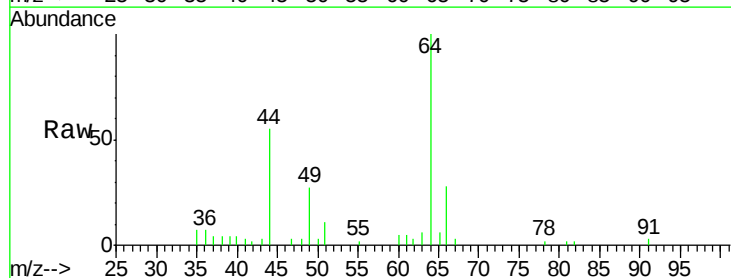
Acq: 20 Feb 2018 16:04

Tgt Ion: 64 Resp: 4243

Ion Ratio Lower Upper

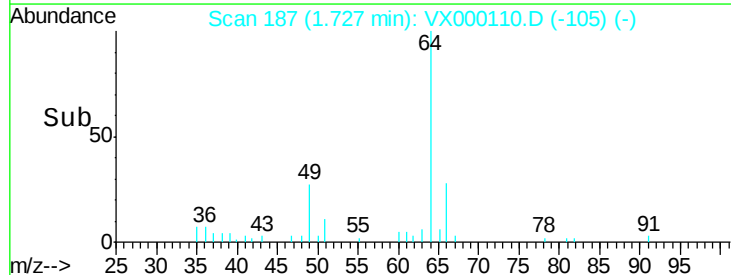
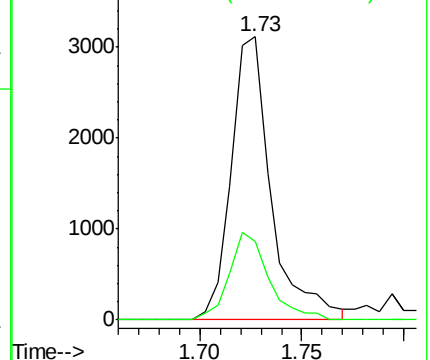
64 100

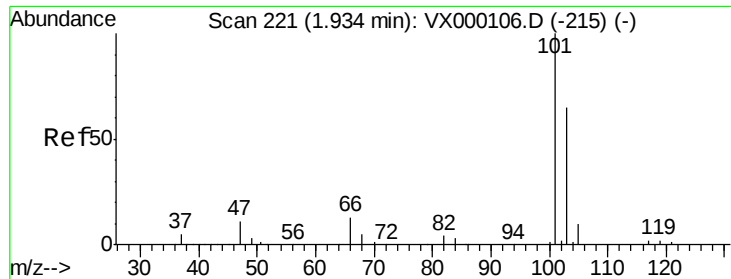
66 27.8 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

Trichlorofluoromethane

Concen: 5.65 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

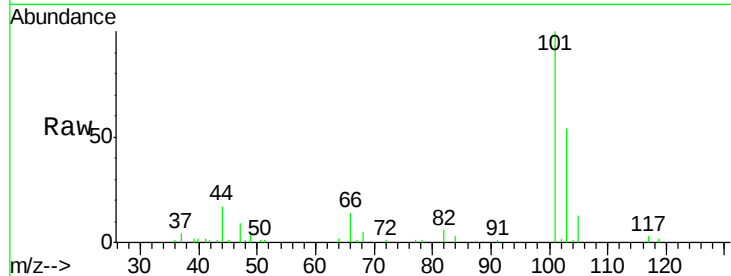
VSTDIC005

Tgt Ion: 101 Resp: 11259

Ion Ratio Lower Upper

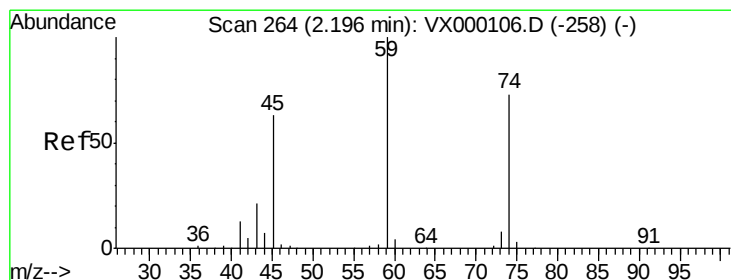
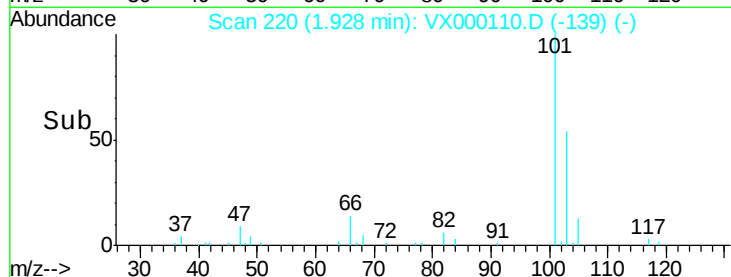
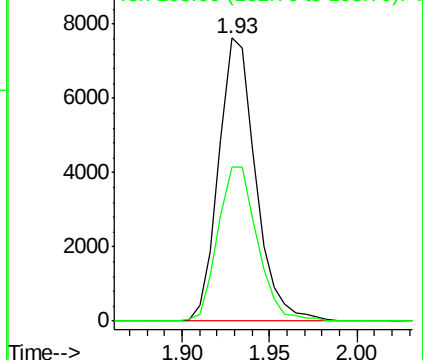
101 100

103 54.5 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.18 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX000110.D

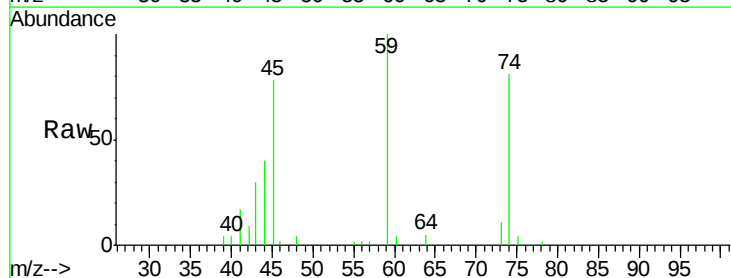
Acq: 20 Feb 2018 16:04

Tgt Ion: 74 Resp: 3773

Ion Ratio Lower Upper

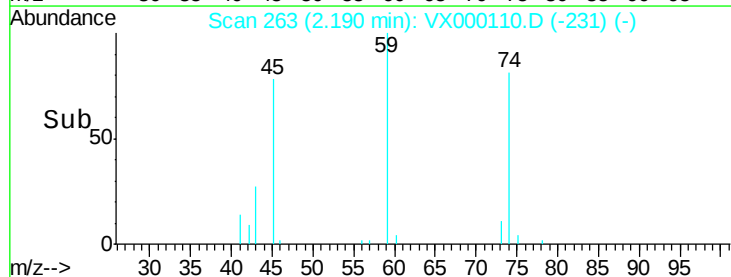
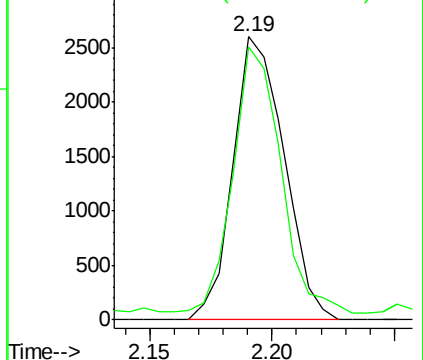
74 100

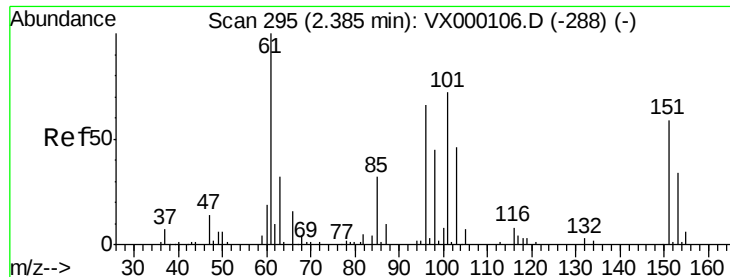
45 95.0 17.8 159.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.15 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

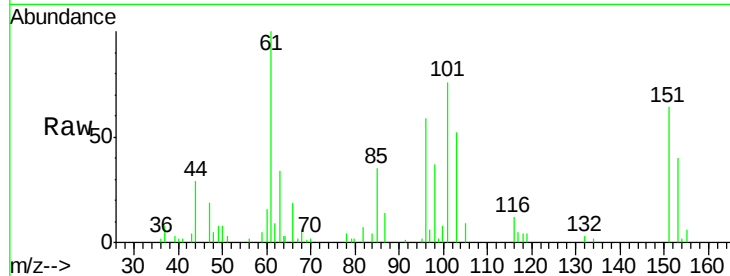
Tgt Ion:101 Resp: 5677

Ion Ratio Lower Upper

101 100

85 49.1 0.0 90.4

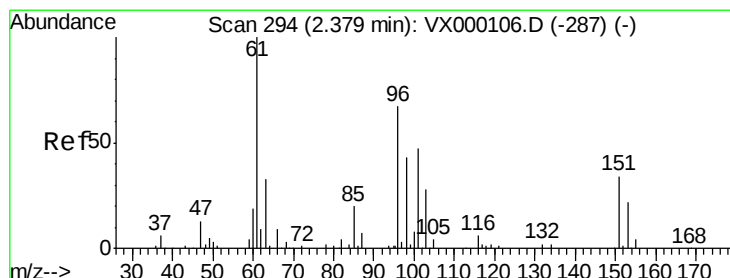
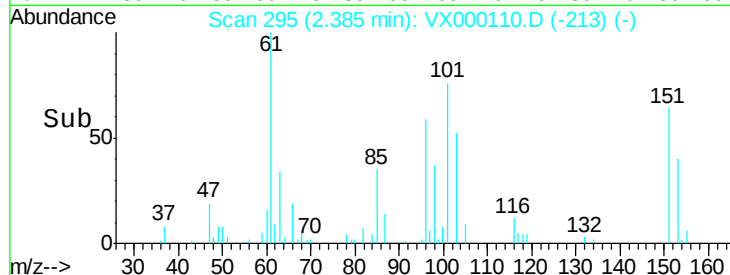
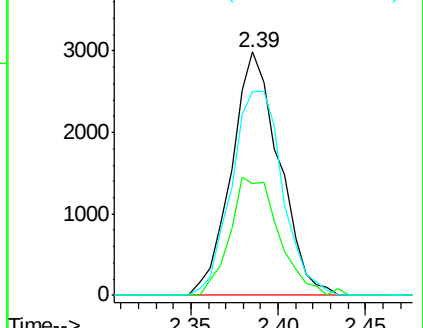
151 89.8 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.27 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

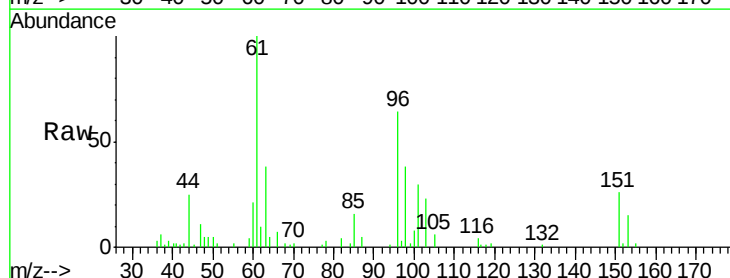
Tgt Ion: 96 Resp: 5571

Ion Ratio Lower Upper

96 100

61 155.7 118.6 178.0

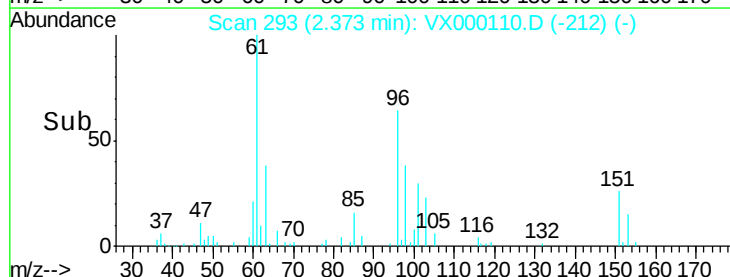
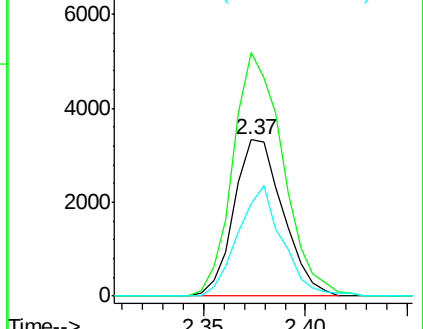
98 58.9 51.0 76.6

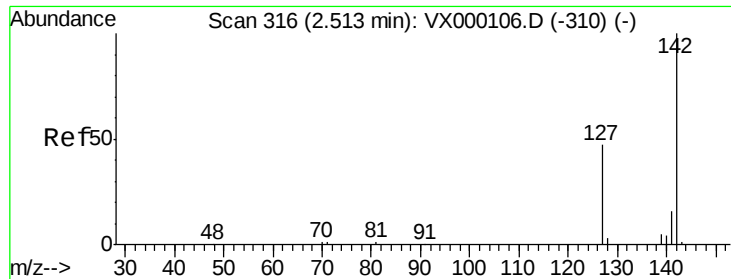


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

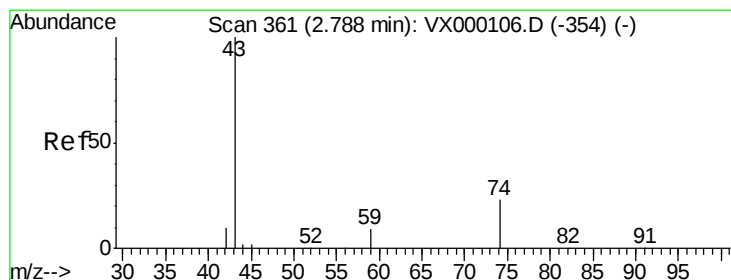
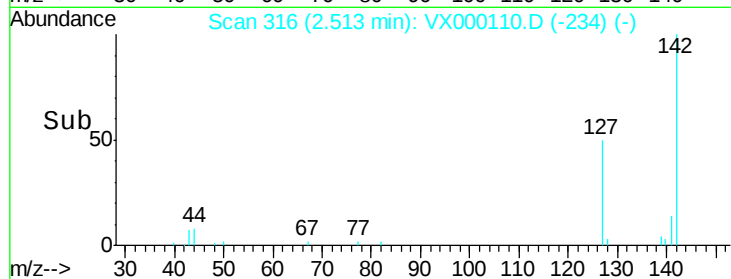
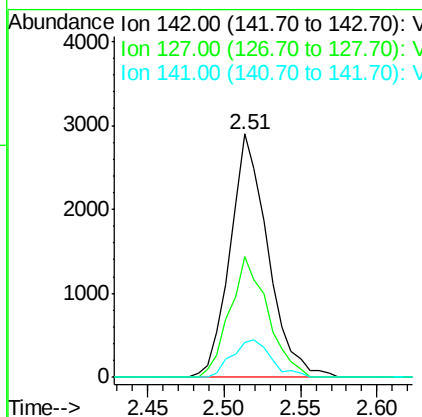
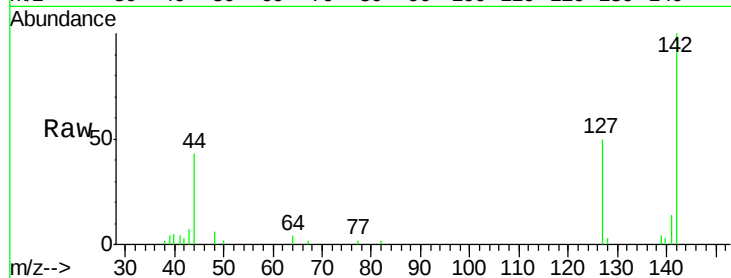




#11
Methyl Iodide
Concen: 5.86 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

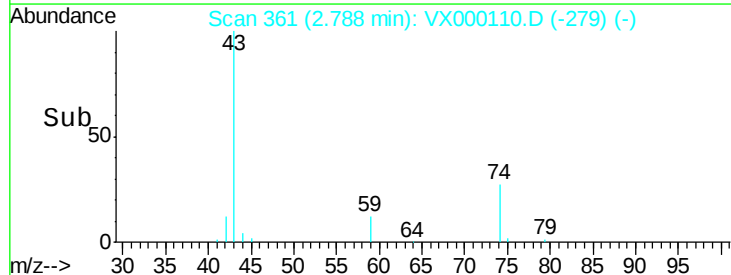
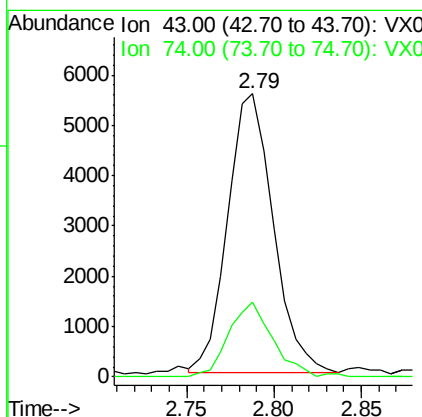
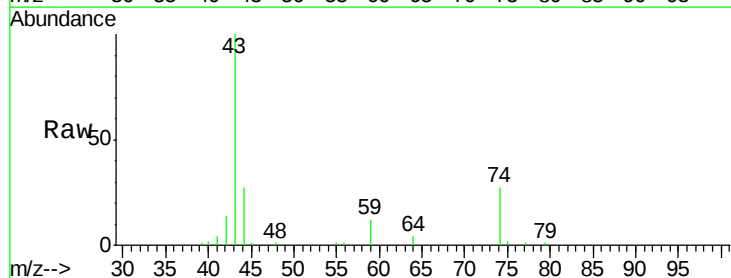
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

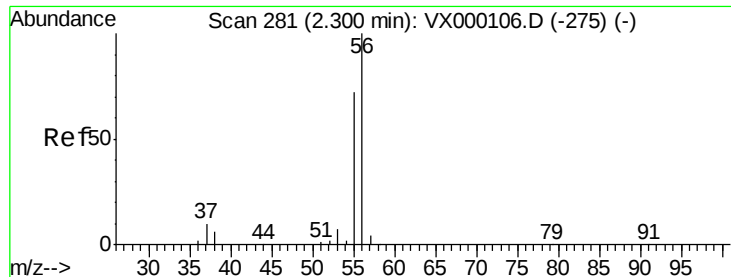
Tgt Ion: 142 Resp: 4983
Ion Ratio Lower Upper
142 100
127 49.8 23.8 71.5
141 14.5 8.2 24.4



#12
Methyl Acetate
Concen: 5.33 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 10041
Ion Ratio Lower Upper
43 100
74 26.5 18.6 27.8





#13

Acrolein

Concen: 30.31 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

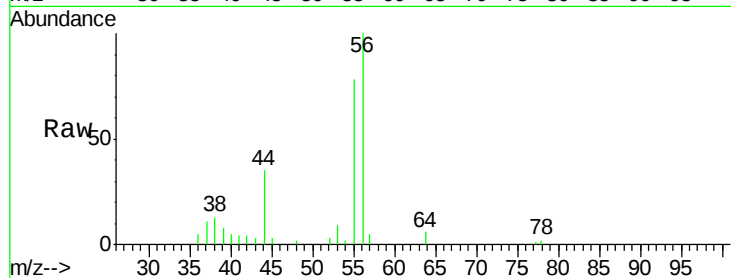
VSTDIC005

Tgt Ion: 56 Resp: 6524

Ion Ratio Lower Upper

56 100

55 75.8 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

4000

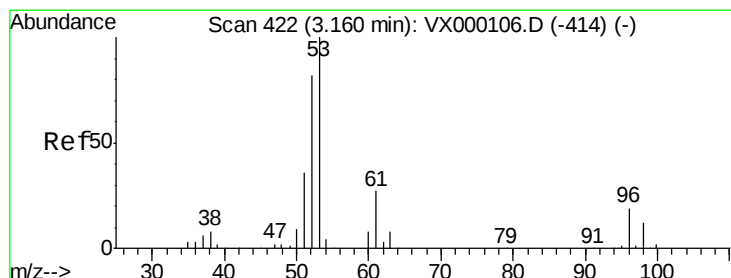
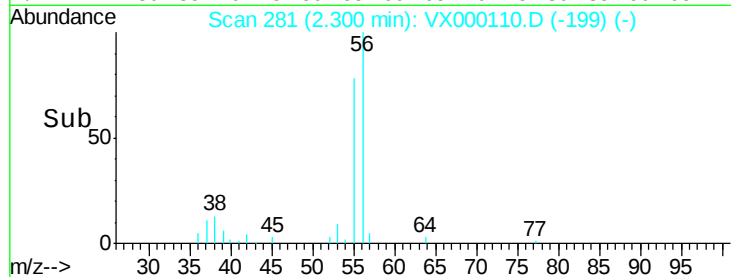
3000

2000

1000

0

Time-->



#14

Acrylonitrile

Concen: 26.71 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

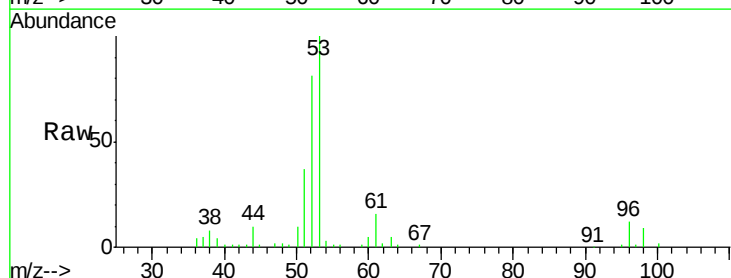
Tgt Ion: 53 Resp: 21874

Ion Ratio Lower Upper

53 100

52 84.1 41.9 125.8

51 37.6 18.8 56.3



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

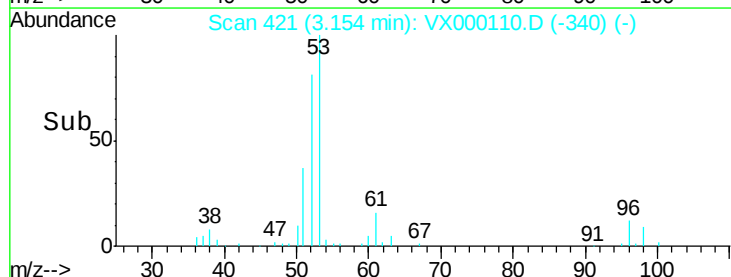
15000

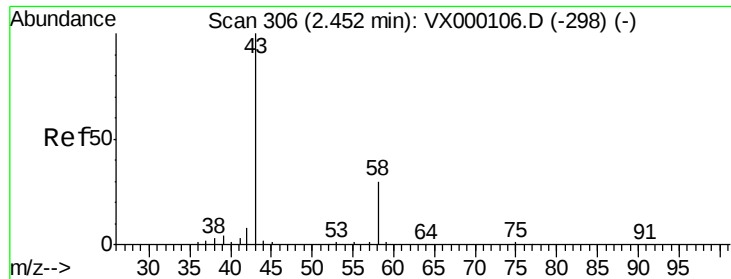
10000

5000

0

Time-->





#15

Acetone

Concen: 25.46 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

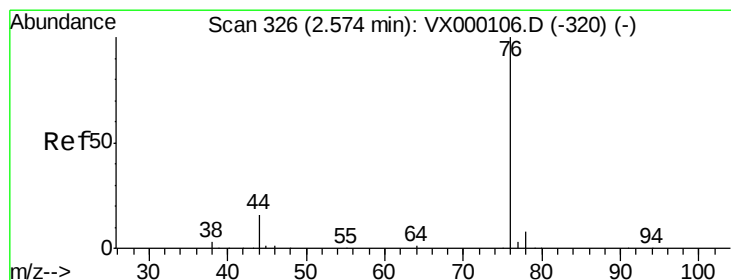
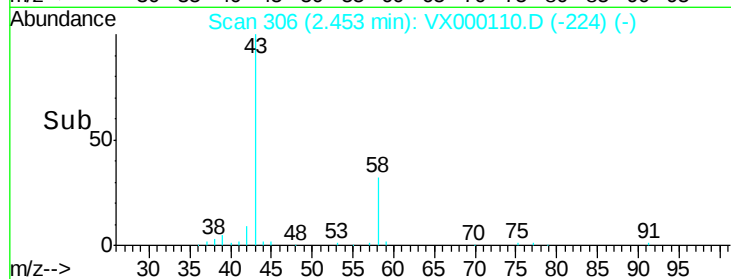
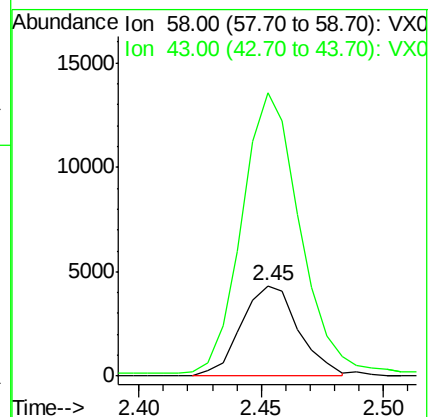
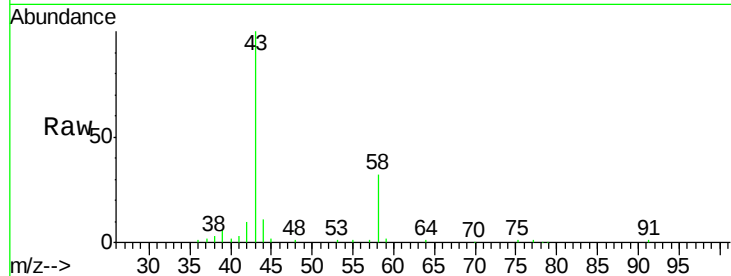
VSTDIC005

Tgt Ion: 58 Resp: 7107

Ion Ratio Lower Upper

58 100

43 307.5 264.6 396.8



#16

Carbon Disulfide

Concen: 5.66 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000110.D

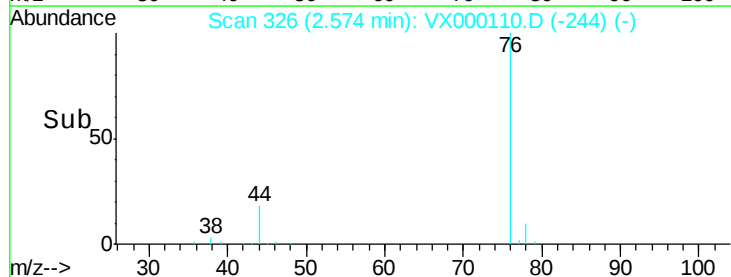
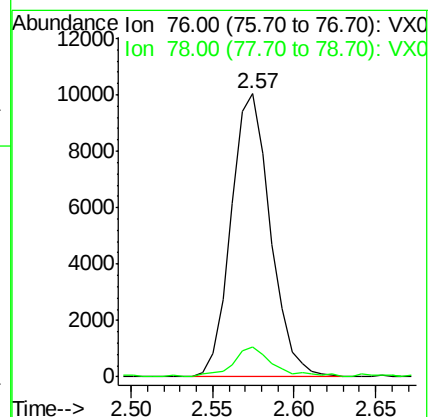
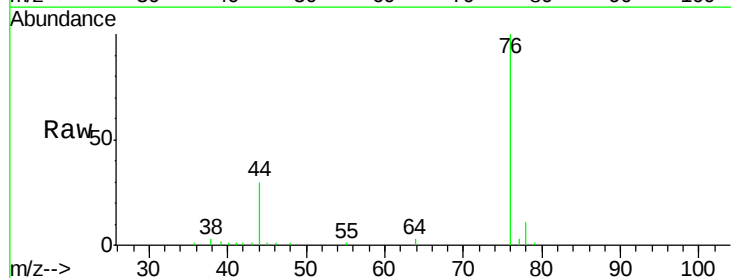
Acq: 20 Feb 2018 16:04

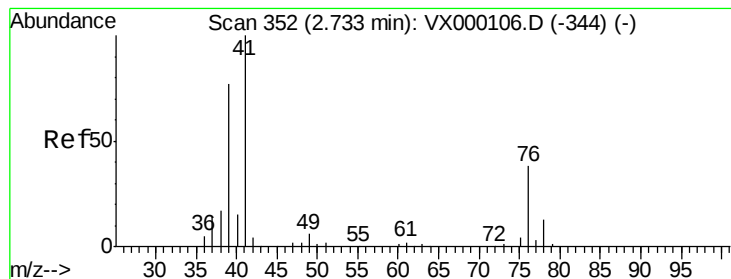
Tgt Ion: 76 Resp: 16837

Ion Ratio Lower Upper

76 100

78 10.6 6.8 10.2#





#17

Allyl chloride

Concen: 5.62 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

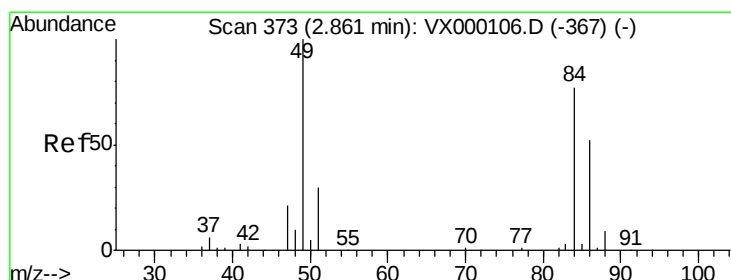
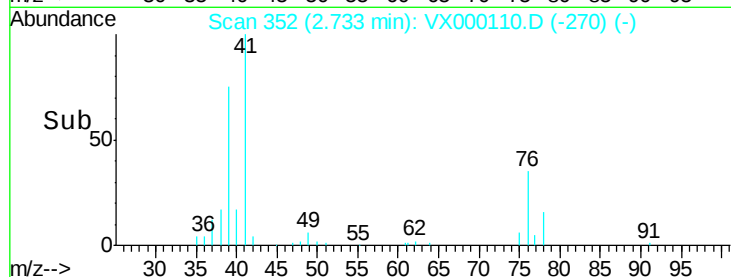
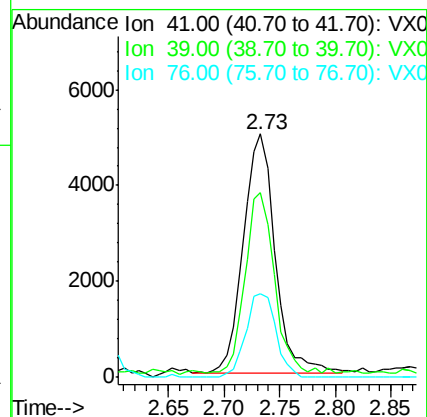
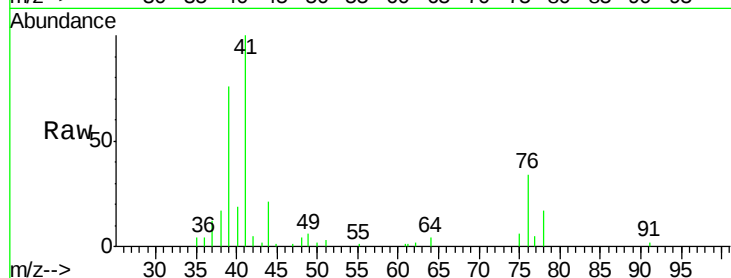
Tgt Ion: 41 Resp: 9995

Ion Ratio Lower Upper

41 100

39 74.7 38.5 115.5

76 34.7 18.7 56.1



#18

Methylene Chloride

Concen: 5.63 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Tgt Ion: 84 Resp: 6346

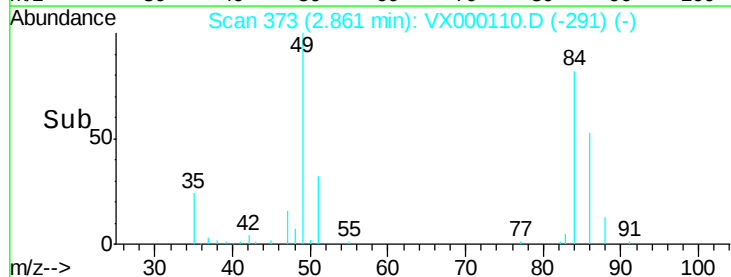
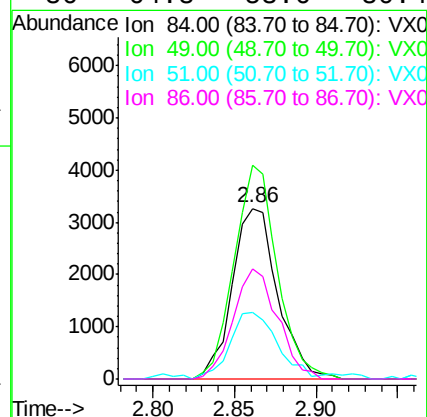
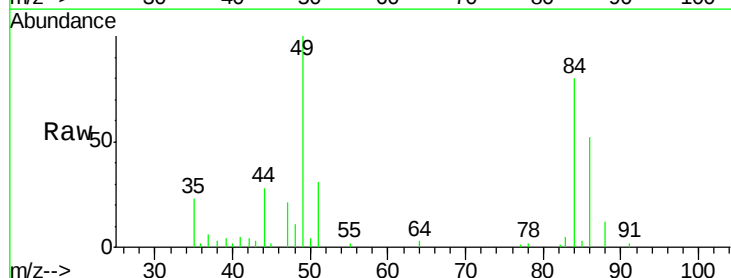
Ion Ratio Lower Upper

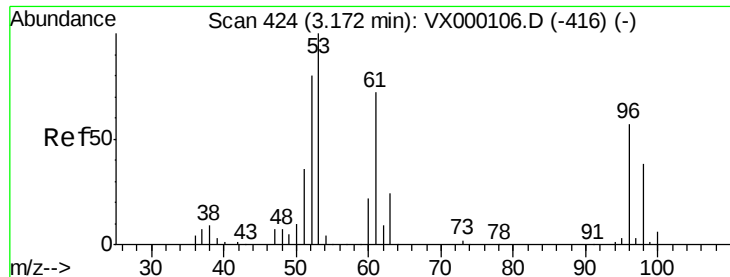
84 100

49 125.0 103.3 154.9

51 38.7 31.2 46.8

86 64.8 53.6 80.4





#19

trans-1,2-Dichloroethene

Concen: 5.45 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

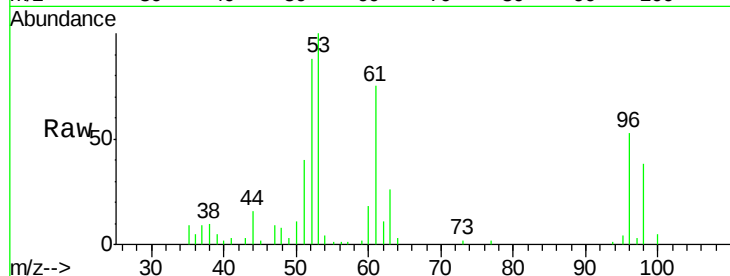
Tgt Ion: 96 Resp: 6194

Ion Ratio Lower Upper

96 100

61 142.3 101.0 151.6

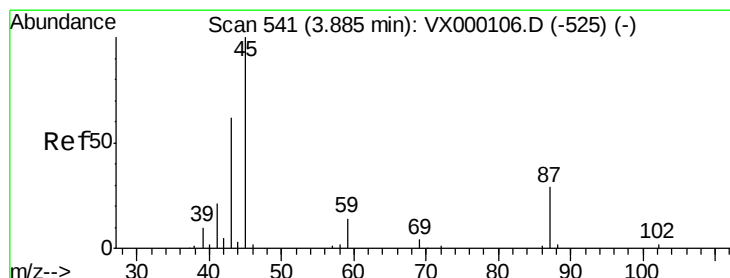
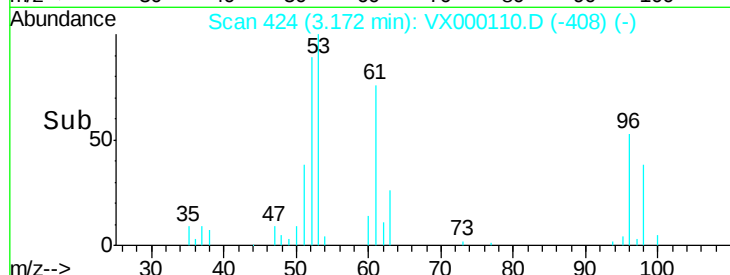
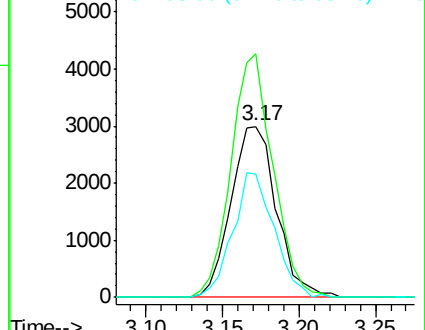
98 72.0 53.3 79.9



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 5.85 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Tgt Ion: 45 Resp: 15895

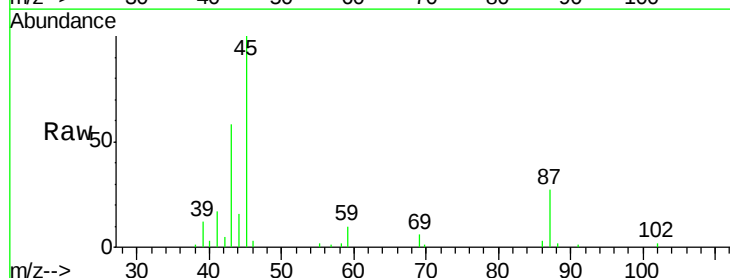
Ion Ratio Lower Upper

45 100

43 55.6 49.6 74.4

87 27.3 23.1 34.7

59 10.5 10.8 16.2#

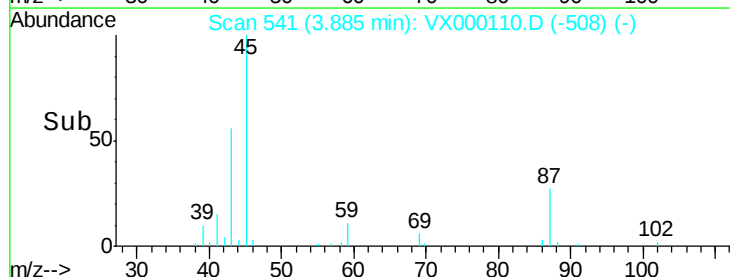
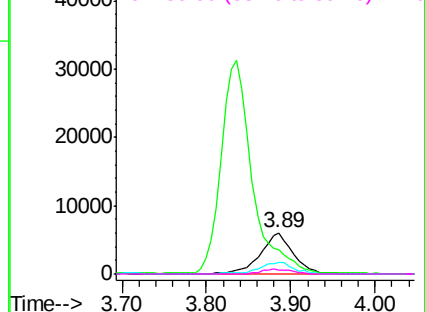


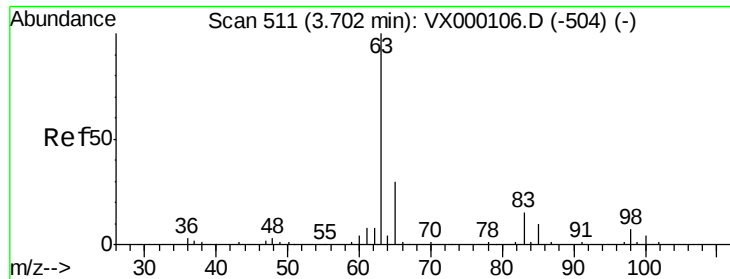
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





#21

1,1-Dichloroethane

Concen: 5.23 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

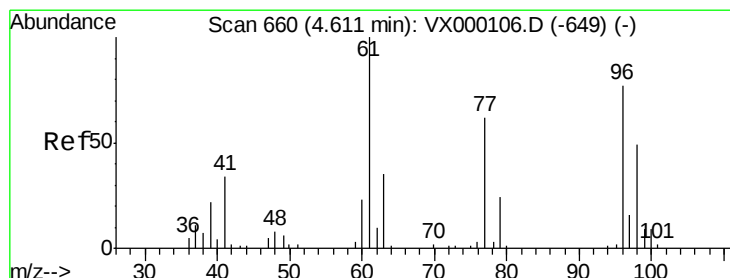
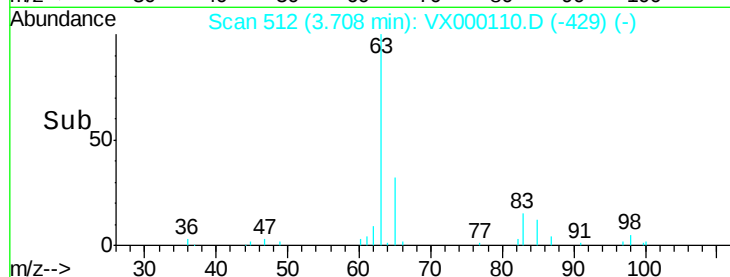
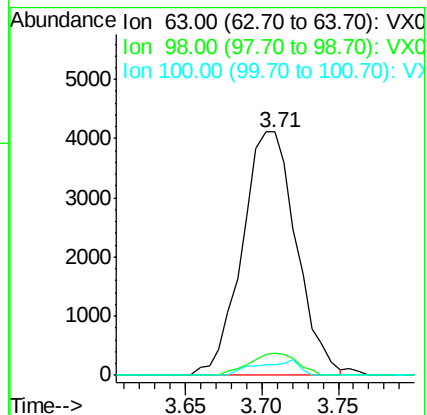
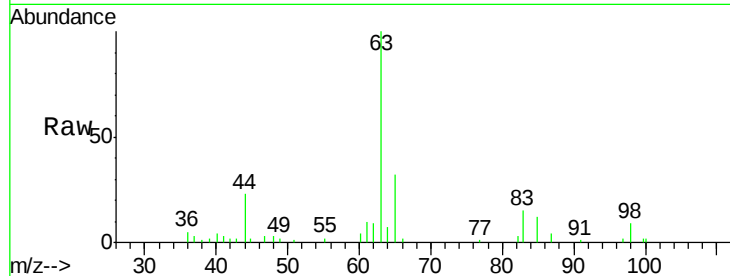
Tgt Ion: 63 Resp: 10099

Ion Ratio Lower Upper

63 100

98 9.2 3.3 9.9

100 4.6 2.1 6.5



#22

cis-1,2-Dichloroethene

Concen: 5.52 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

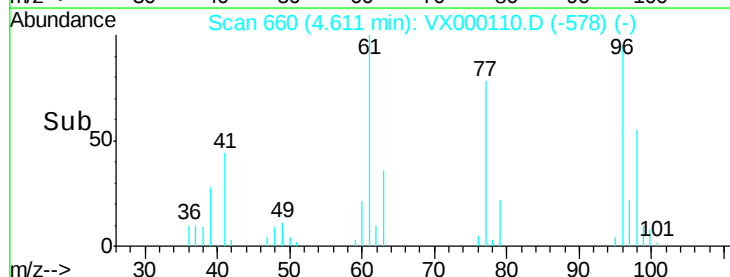
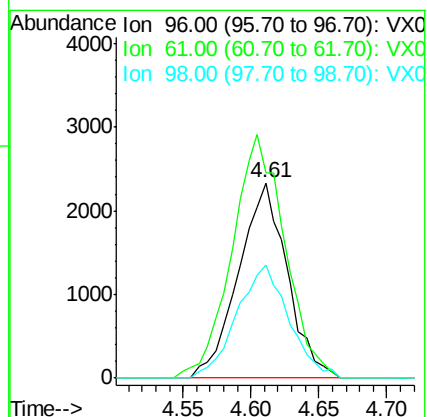
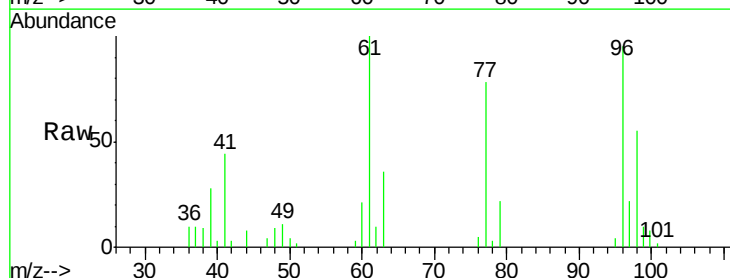
Tgt Ion: 96 Resp: 5835

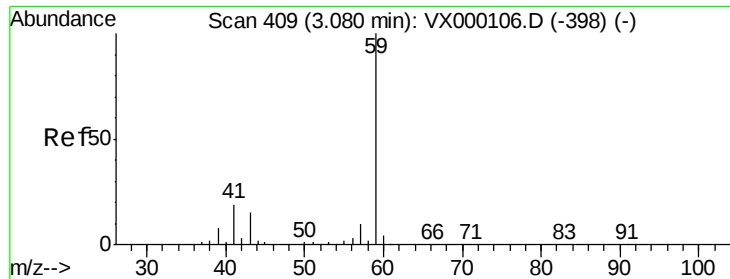
Ion Ratio Lower Upper

96 100

61 135.2 113.5 170.3

98 61.9 51.8 77.8

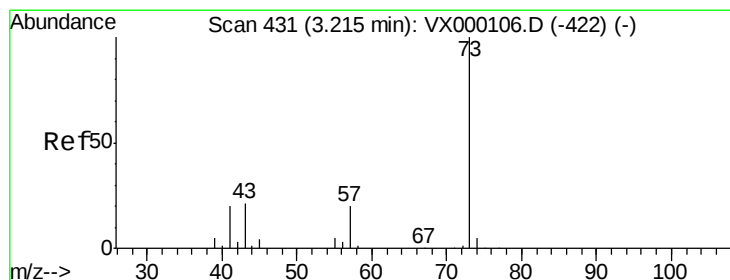
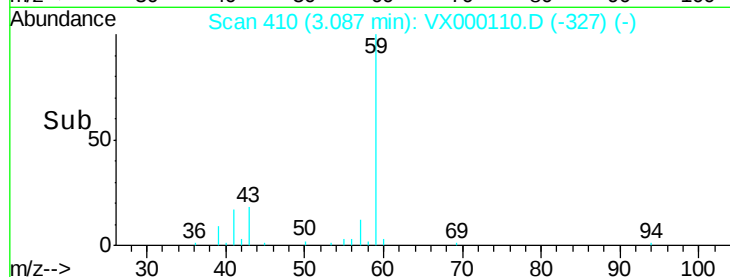
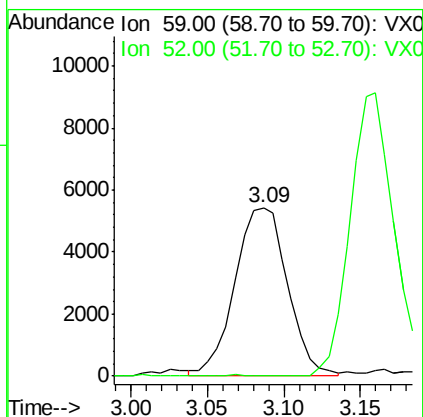
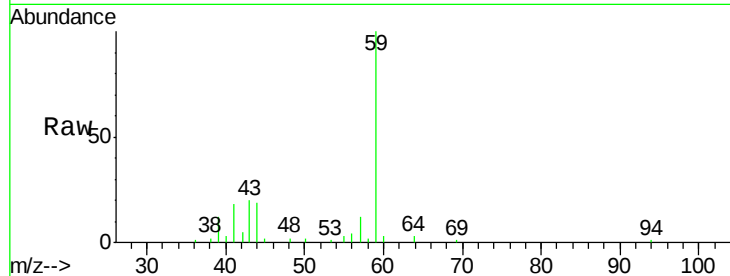




#23
 tert-Butyl Alcohol
 Concen: 27.32 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.01 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

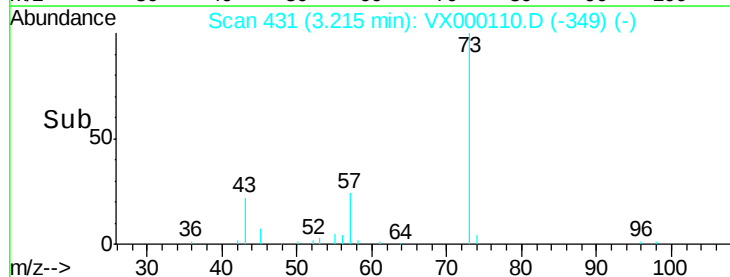
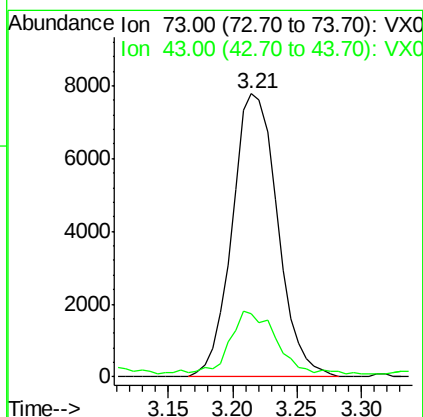
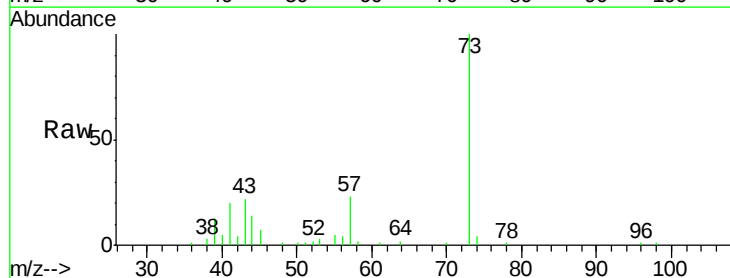
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

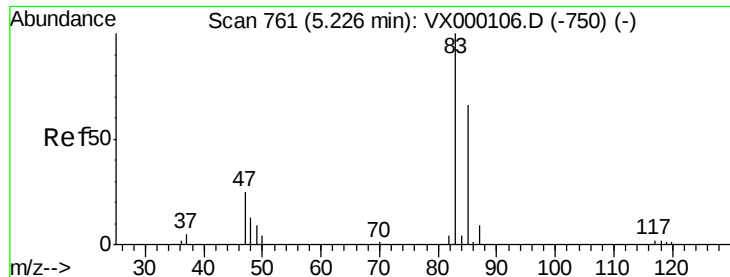
Tgt Ion: 59 Resp: 13014
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 5.26 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion: 73 Resp: 19033
 Ion Ratio Lower Upper
 73 100
 43 21.4 16.5 24.7





#25

Chloroform

Concen: 5.19 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

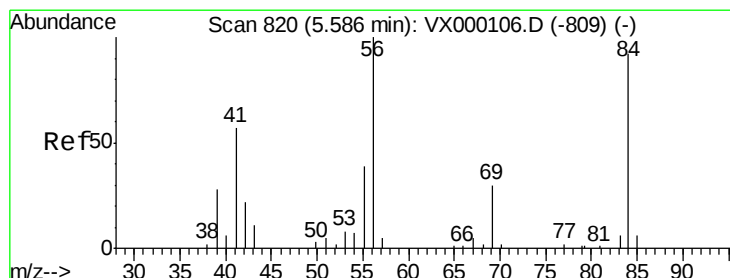
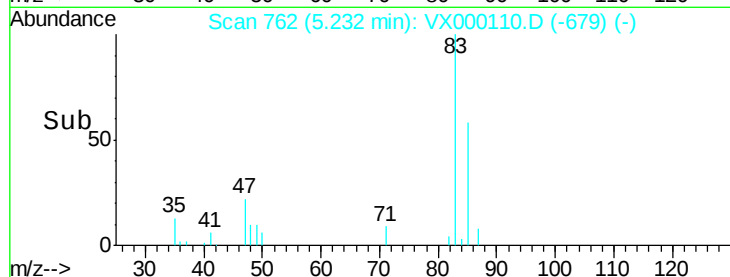
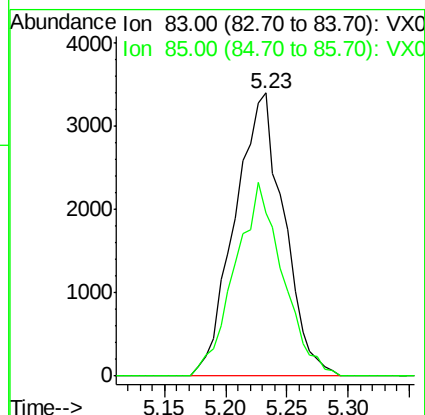
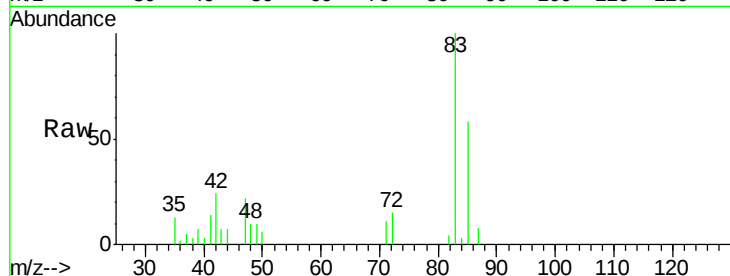
VSTDIC005

Tgt Ion: 83 Resp: 9499

Ion Ratio Lower Upper

83 100

85 57.5 52.5 78.7



#26

Cyclohexane

Concen: 5.44 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

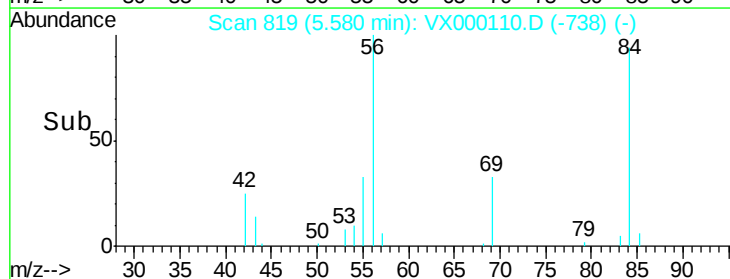
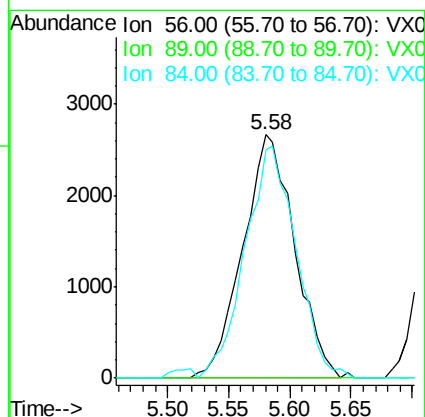
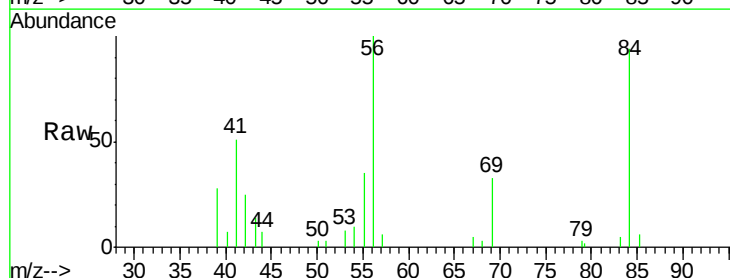
Tgt Ion: 56 Resp: 7831

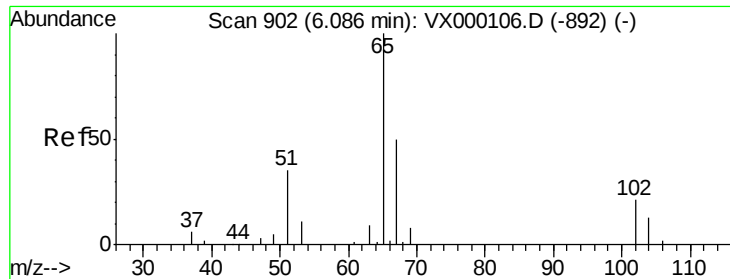
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 94.2 74.8 112.2

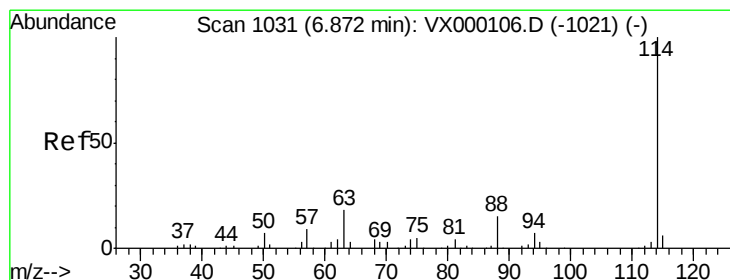
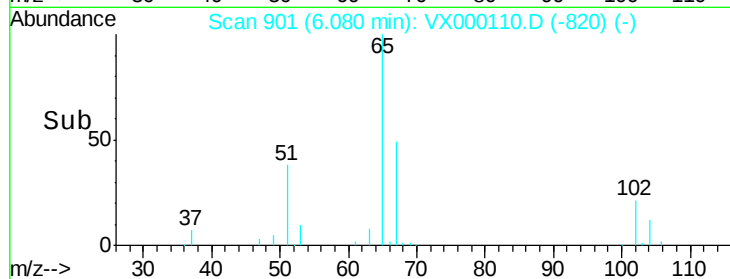
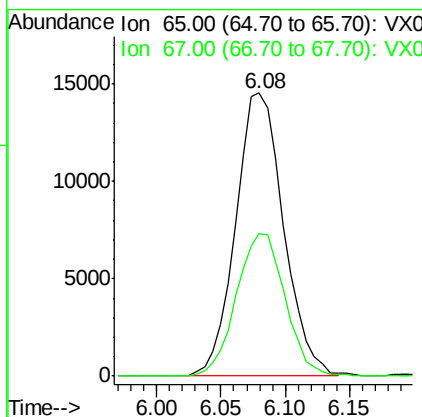
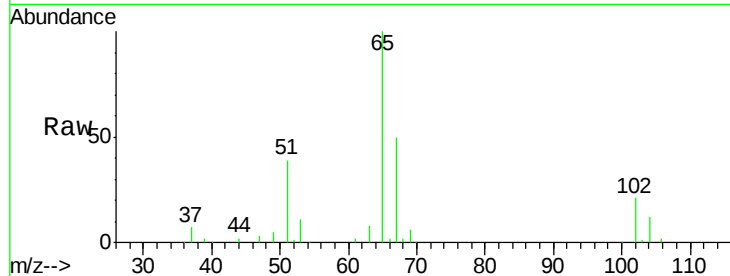




#27
 1,2-Dichloroethane-d4
 Concen: 30.96 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

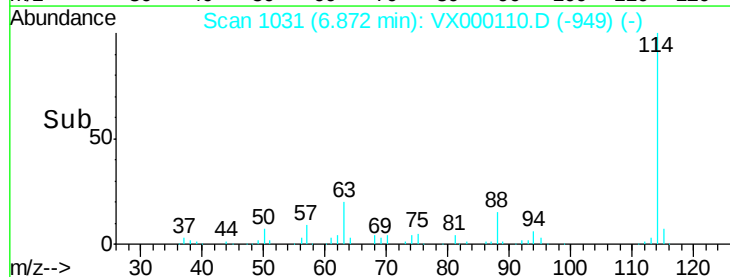
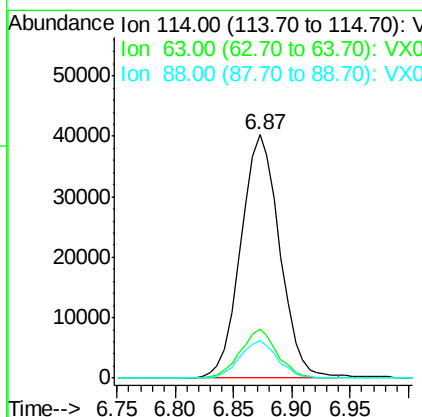
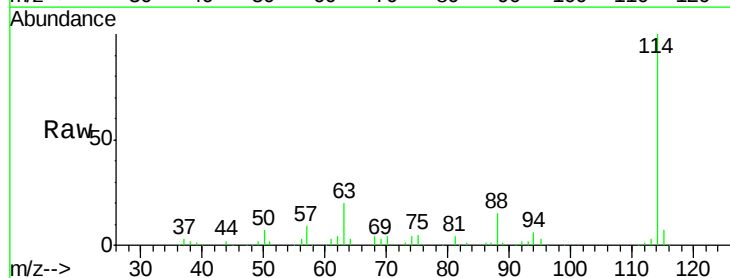
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

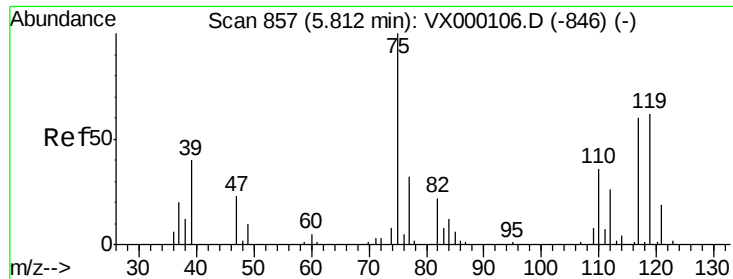
Tgt Ion: 65 Resp: 37508
 Ion Ratio Lower Upper
 65 100
 67 51.1 41.4 62.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion: 114 Resp: 93914
 Ion Ratio Lower Upper
 114 100
 63 19.1 15.0 22.4
 88 14.8 11.8 17.8

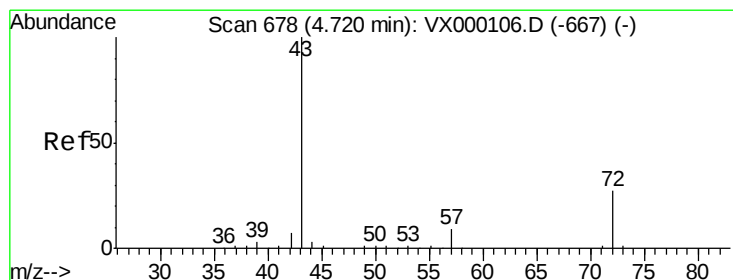
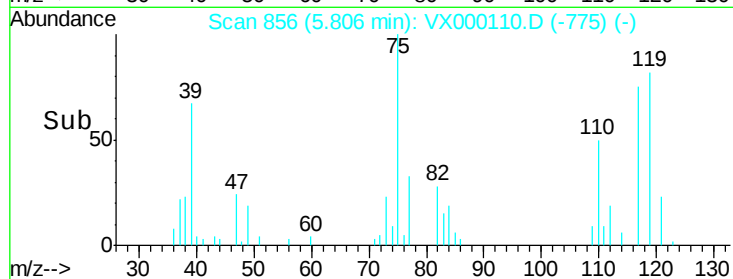
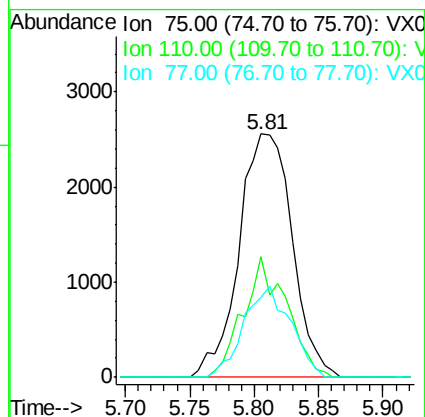
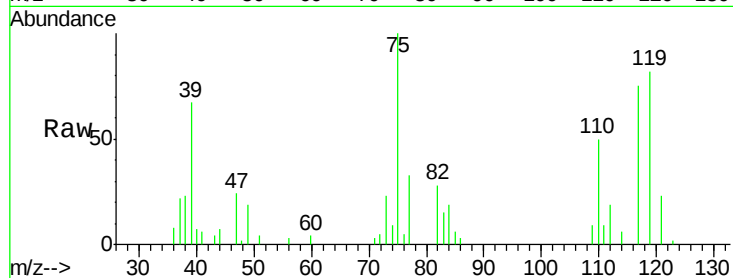




#29
1,1-Dichloropropene
Concen: 5.41 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

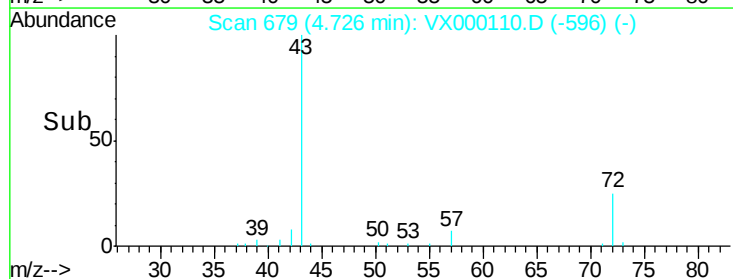
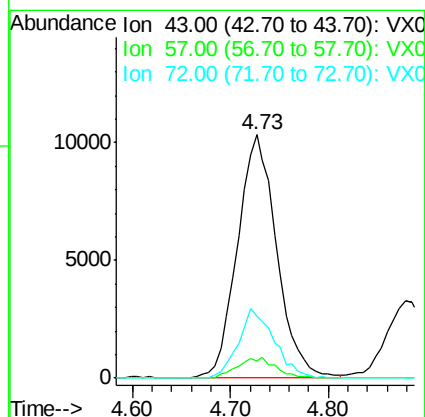
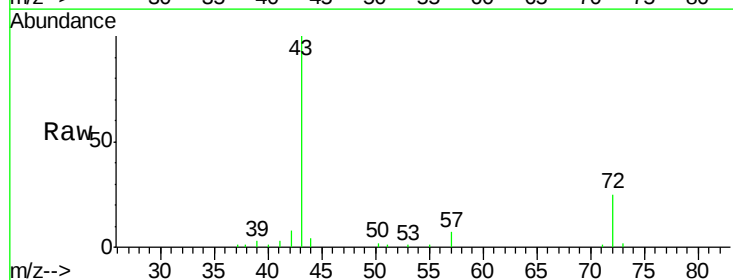
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

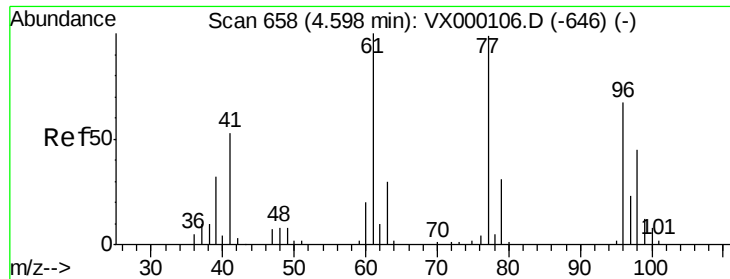
Tgt Ion: 75 Resp: 7330
Ion Ratio Lower Upper
75 100
110 24.6 0.0 75.6
77 33.0 0.0 62.6



#30
2-Butanone
Concen: 26.73 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 28904
Ion Ratio Lower Upper
43 100
57 4.4 6.6 10.0#
72 25.8 21.8 32.6

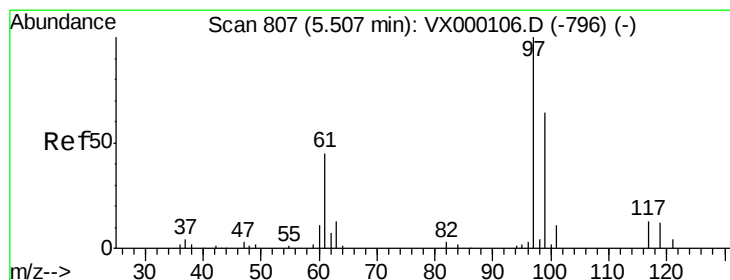
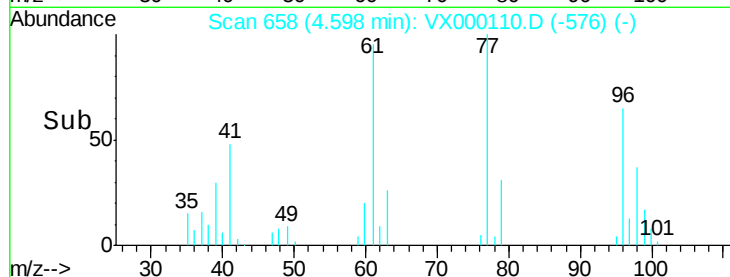
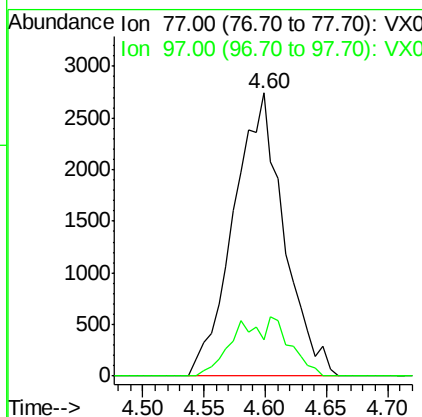
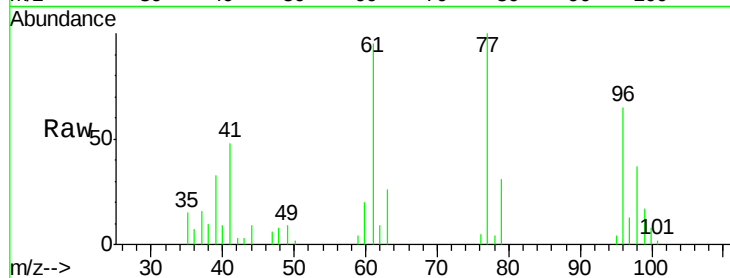




#31
 2,2-Dichloropropane
 Concen: 5.38 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

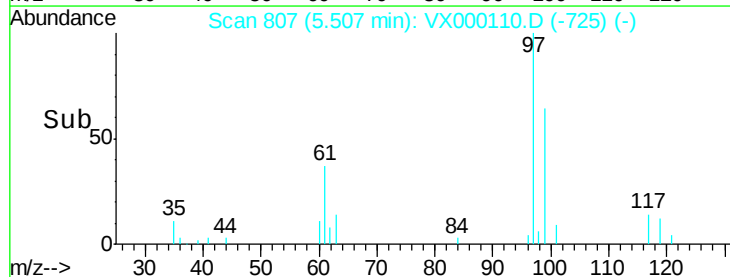
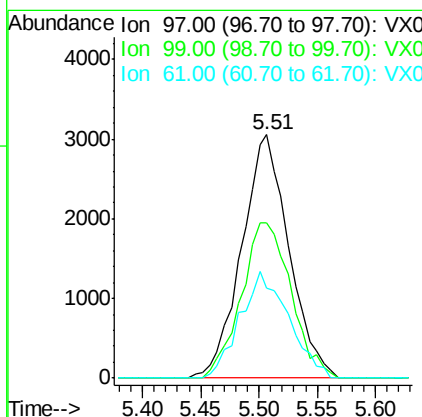
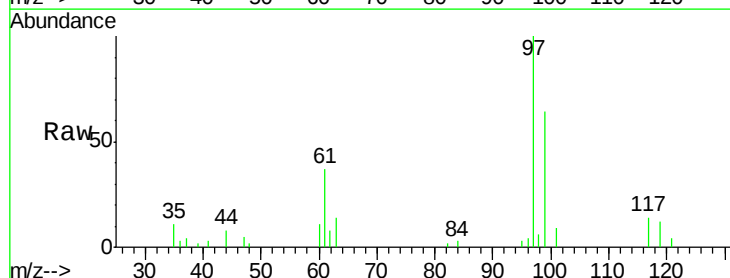
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

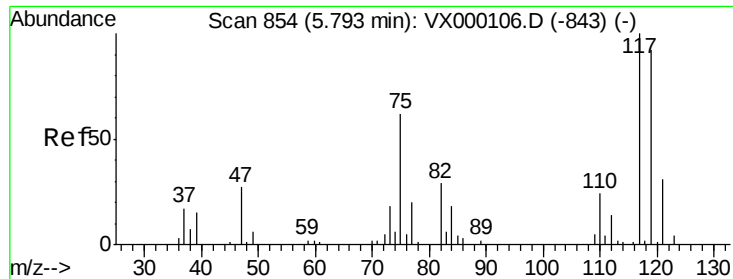
Tgt Ion: 77 Resp: 7861
 Ion Ratio Lower Upper
 77 100
 97 9.6 18.6 27.8#



#32
 1,1,1-Trichloroethane
 Concen: 5.23 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion: 97 Resp: 8609
 Ion Ratio Lower Upper
 97 100
 99 67.2 52.3 78.5
 61 44.7 34.3 51.5





#33

Carbon Tetrachloride

Concen: 5.03 ug/l

RT: 5.79 min Scan# 854

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

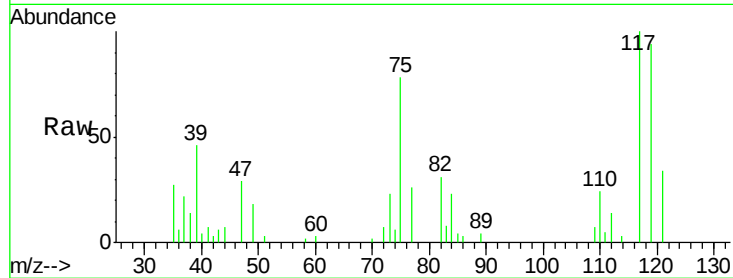
Tgt Ion: 117 Resp: 7311

Ion Ratio Lower Upper

117 100

119 93.9 73.5 110.3

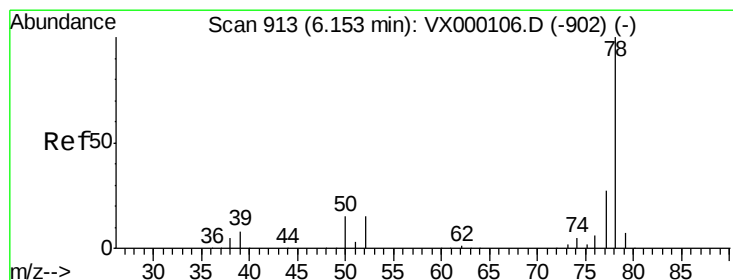
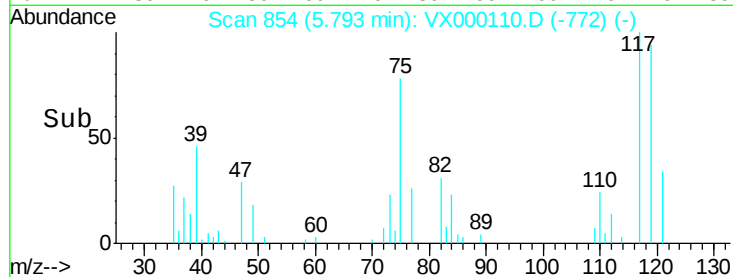
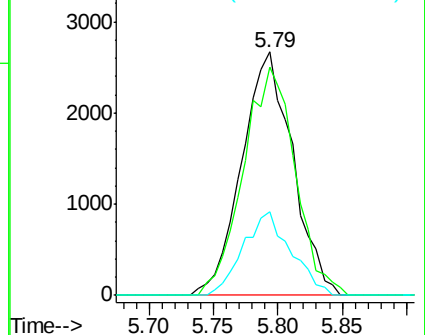
121 34.3 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 5.15 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

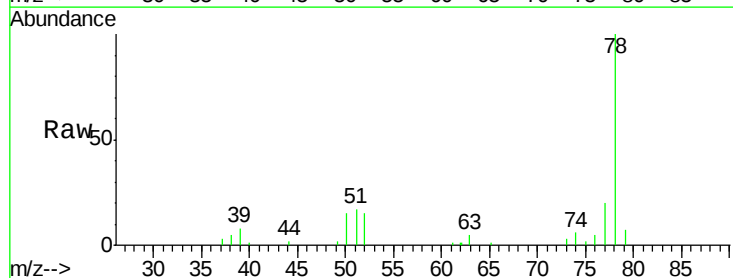
Tgt Ion: 78 Resp: 20391

Ion Ratio Lower Upper

78 100

77 20.5 21.7 32.5#

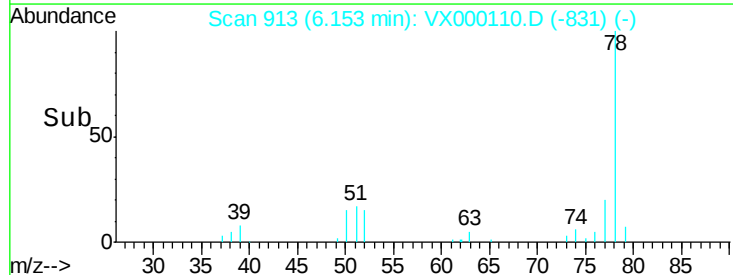
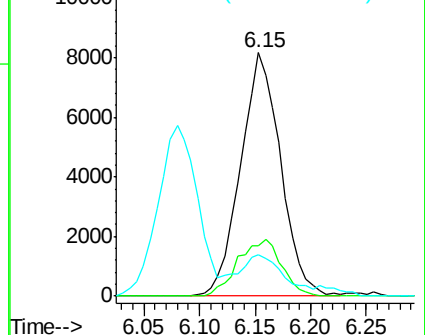
51 14.8 14.9 22.3#

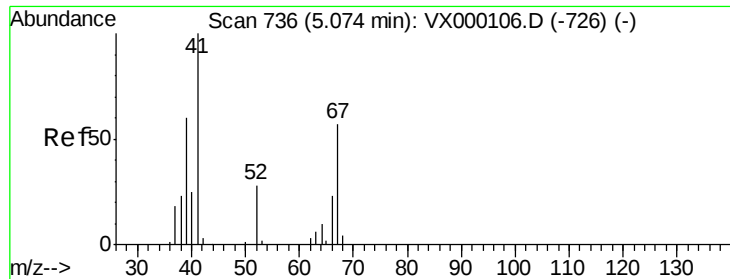


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

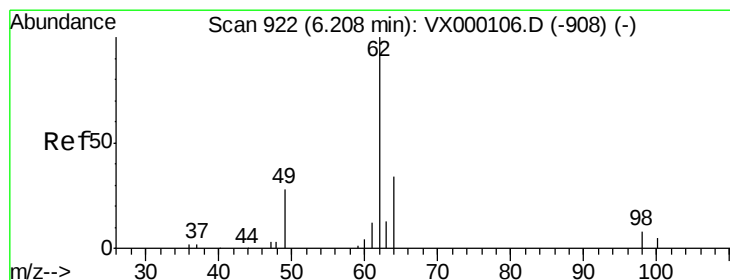
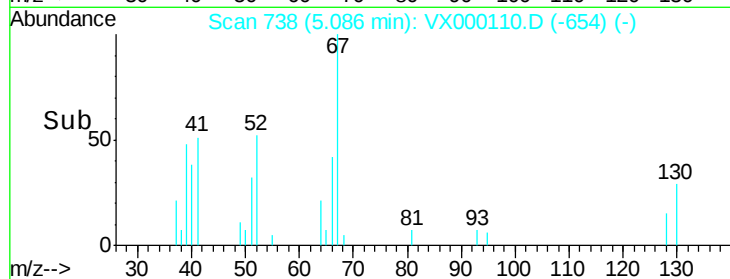
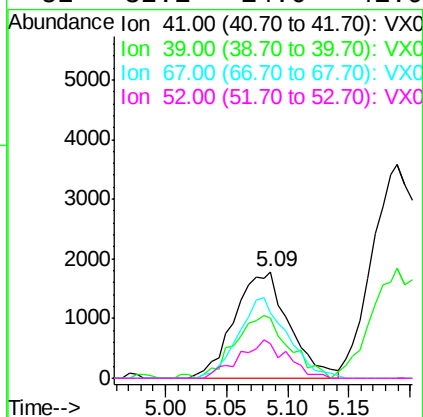
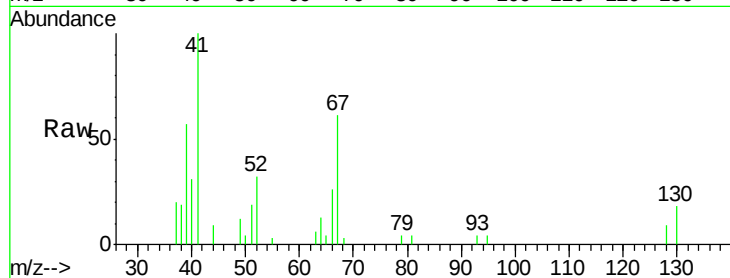




#35
Methacrylonitrile
Concen: 5.75 ug/l
RT: 5.09 min Scan# 738
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

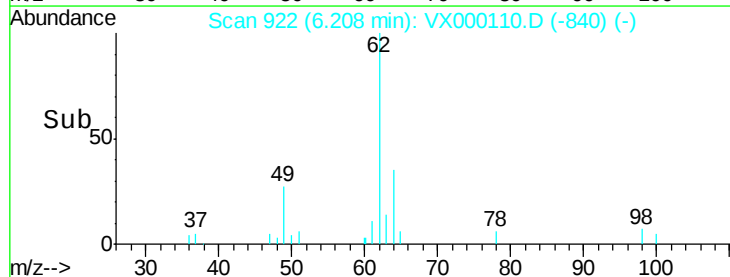
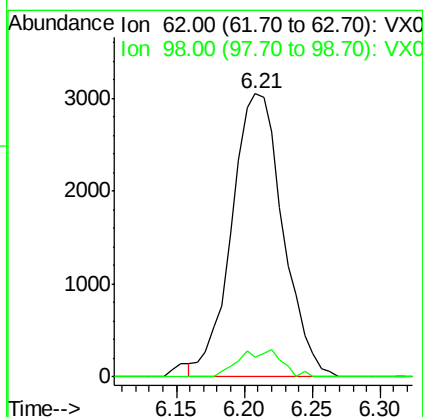
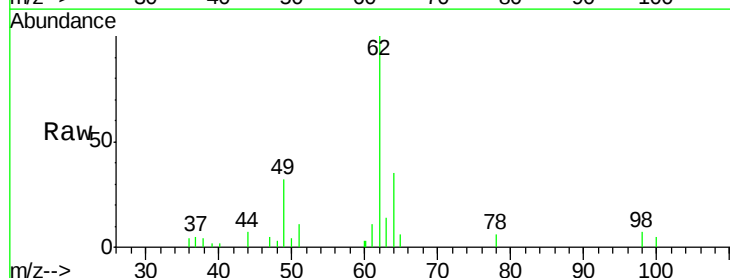
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

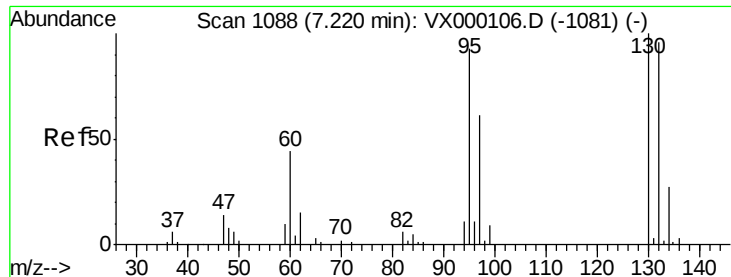
Tgt Ion:	41	Resp:	5542
Ion	Ratio	Lower	Upper
41	100		
39	53.0	29.8	89.3
67	61.3	28.7	86.3
52	32.1	14.0	41.9



#36
1,2-Dichloroethane
Concen: 5.39 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:	62	Resp:	8046
Ion	Ratio	Lower	Upper
62	100		
98	3.9	6.9	10.3#

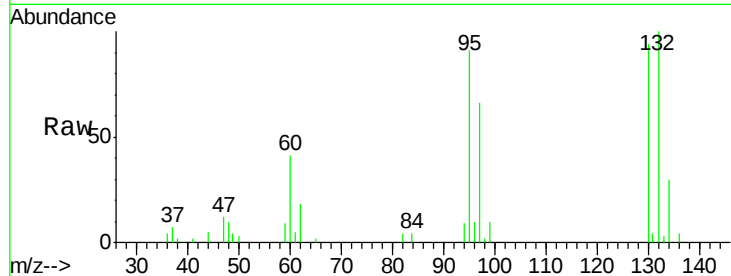




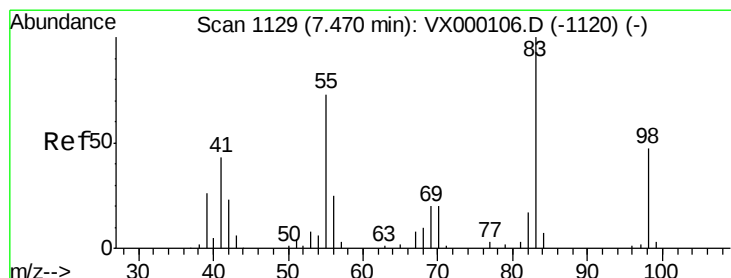
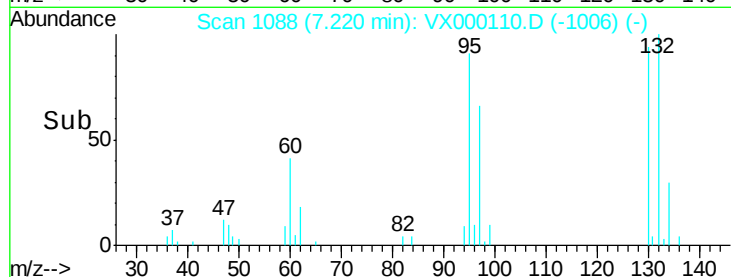
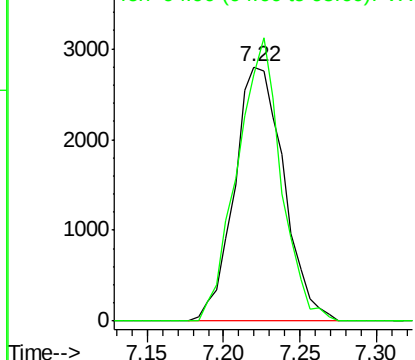
#37
 Trichloroethene
 Concen: 5.35 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion: 130 Resp: 6292
 Ion Ratio Lower Upper
 130 100
 95 97.0 74.6 112.0

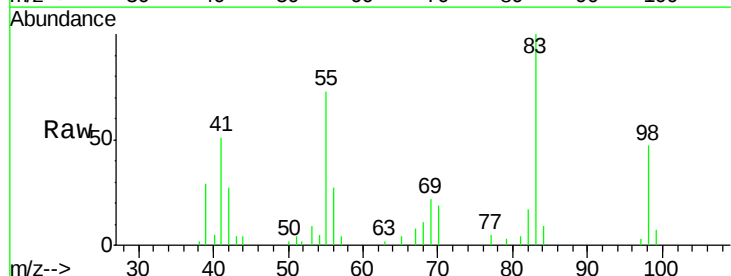


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

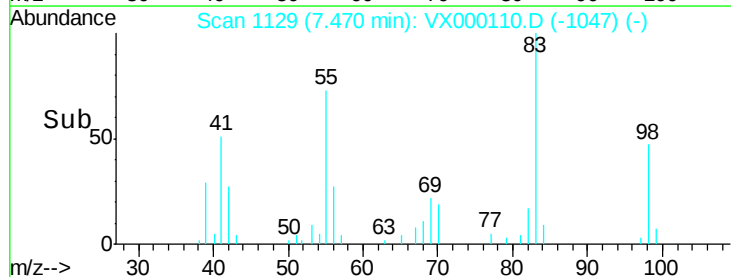
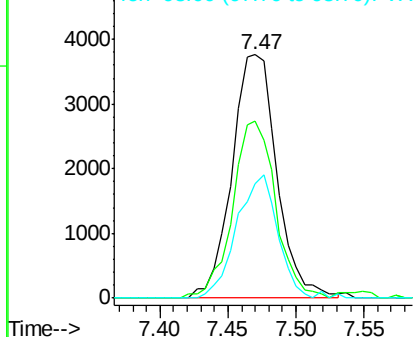


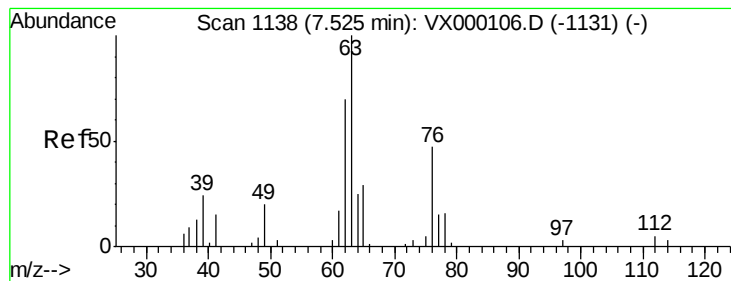
#38
 Methylcyclohexane
 Concen: 5.44 ug/l
 RT: 7.47 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion: 83 Resp: 8682
 Ion Ratio Lower Upper
 83 100
 55 69.6 35.9 107.7
 98 46.0 24.6 74.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 5.37 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

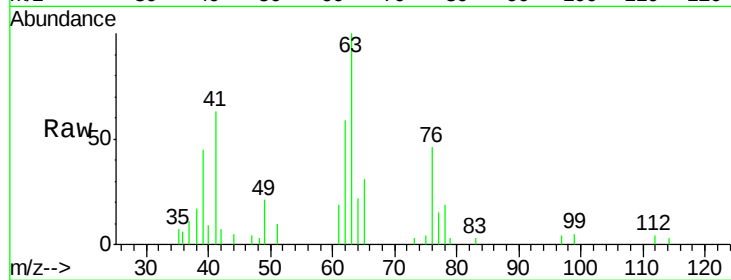
VSTDIC005

Tgt Ion: 63 Resp: 5364

Ion Ratio Lower Upper

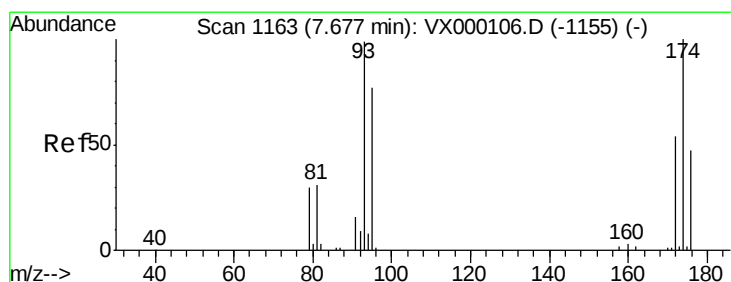
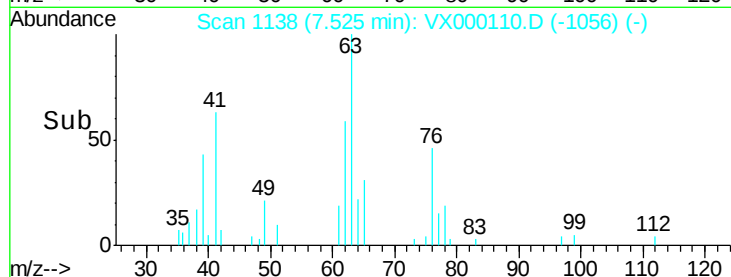
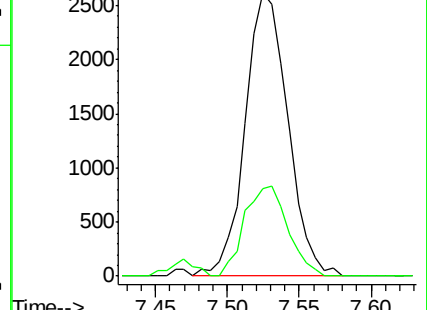
63 100

65 31.0 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 5.19 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

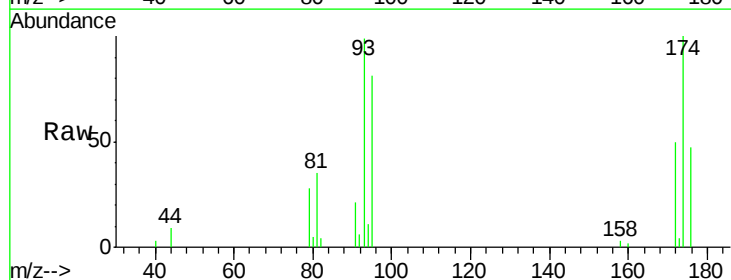
Tgt Ion: 93 Resp: 3900

Ion Ratio Lower Upper

93 100

95 87.8 0.0 170.6

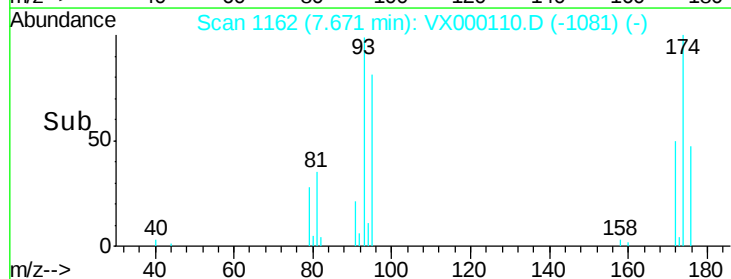
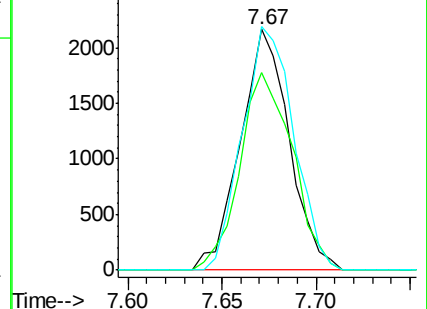
174 105.9 0.0 210.4

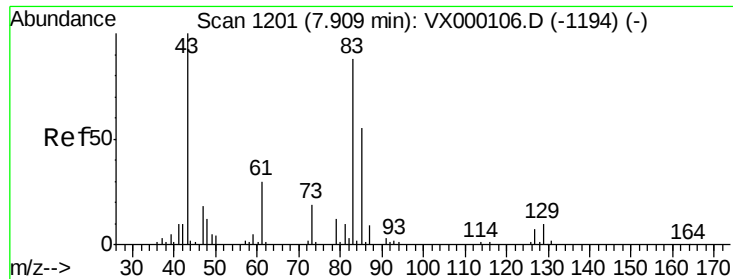


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 5.13 ug/l

RT: 7.91 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

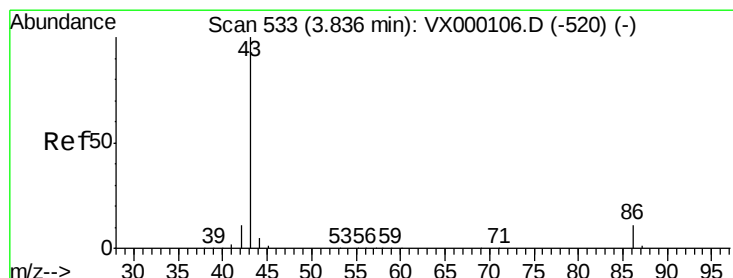
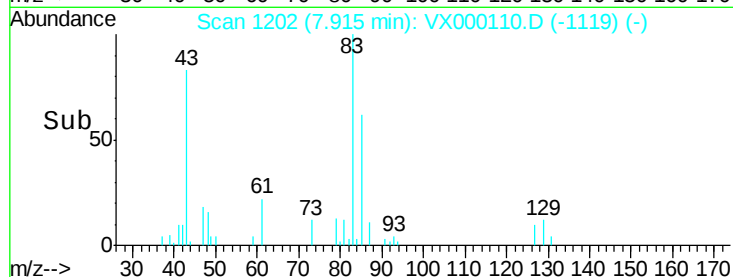
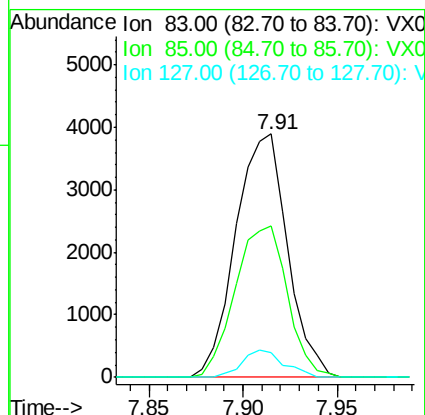
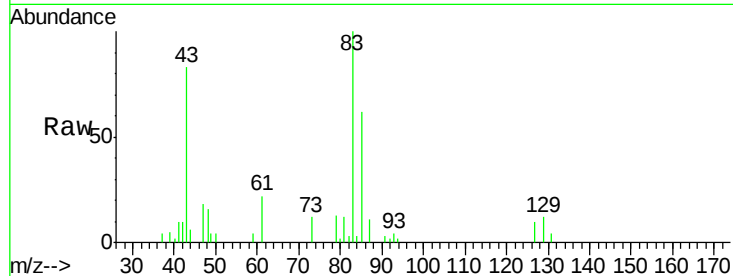
Tgt Ion: 83 Resp: 7428

Ion Ratio Lower Upper

83 100

85 62.4 50.0 75.0

127 10.0 6.6 10.0#



#42

Vinyl Acetate

Concen: 30.44 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000110.D

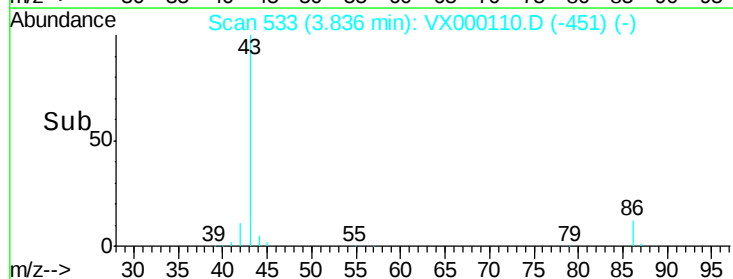
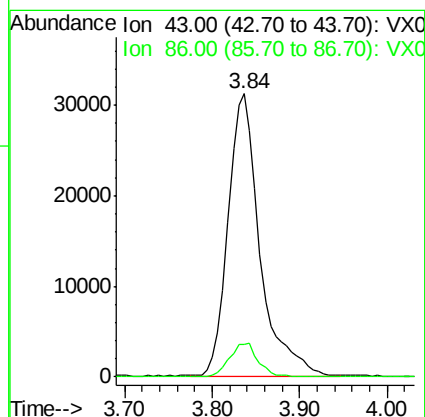
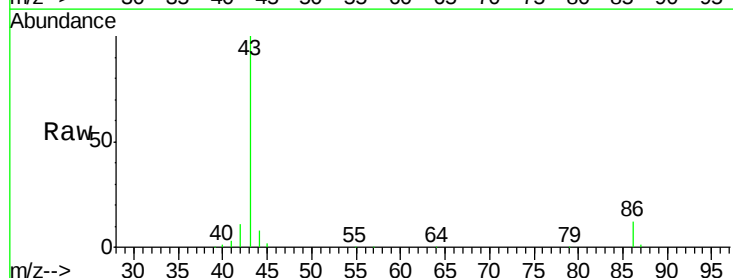
Acq: 20 Feb 2018 16:04

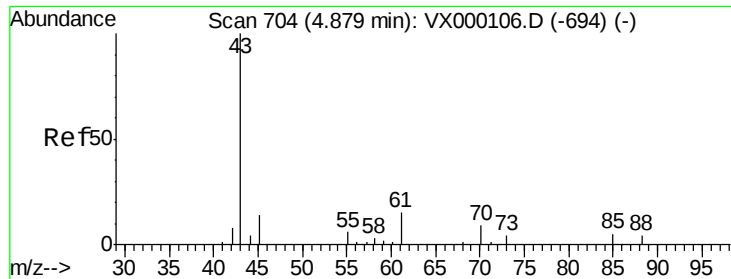
Tgt Ion: 43 Resp: 79145

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.6





#43

Ethyl Acetate

Concen: 5.38 ug/l

RT: 4.88 min Scan# 704

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

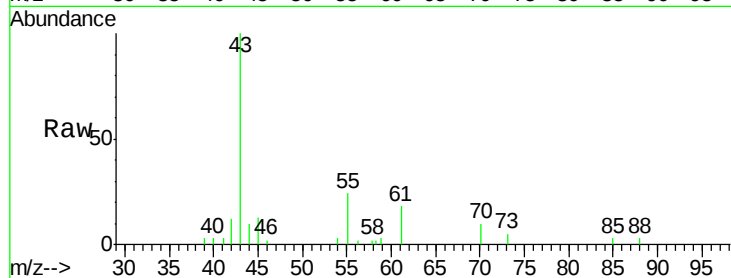
VSTDIC005

Tgt Ion: 43 Resp: 10169

Ion Ratio Lower Upper

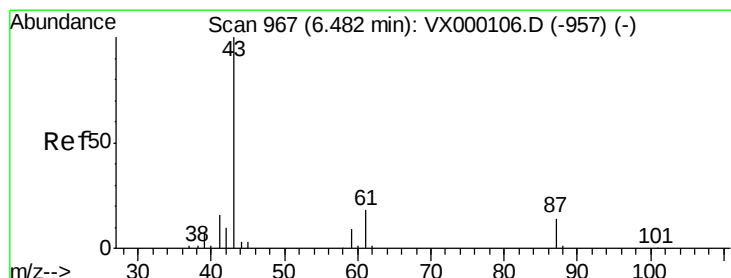
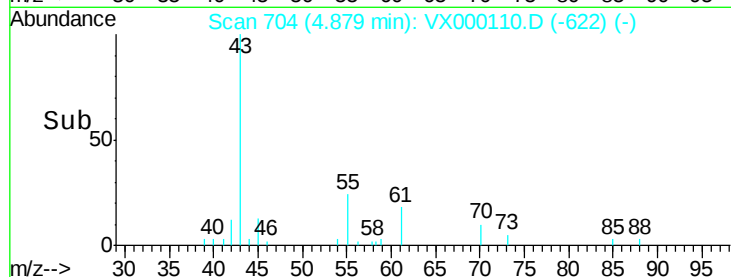
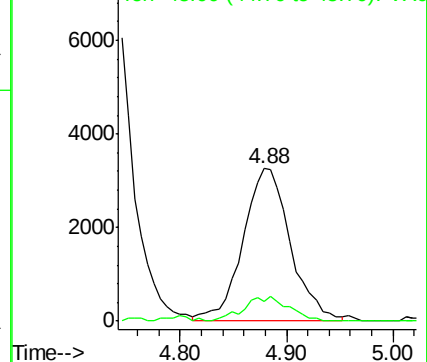
43 100

45 3.7 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 5.29 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000110.D

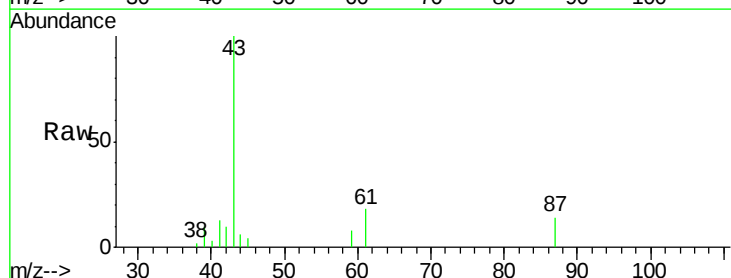
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 14283

Ion Ratio Lower Upper

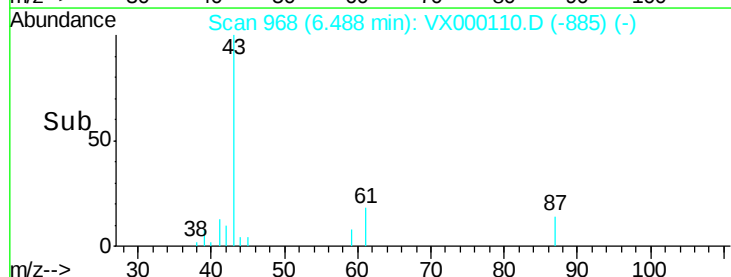
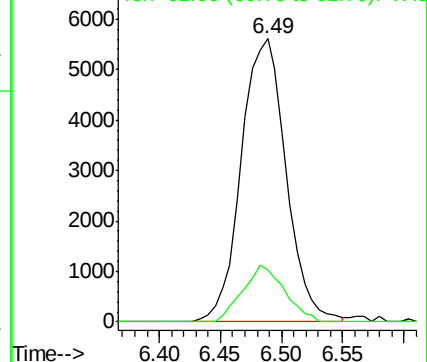
43 100

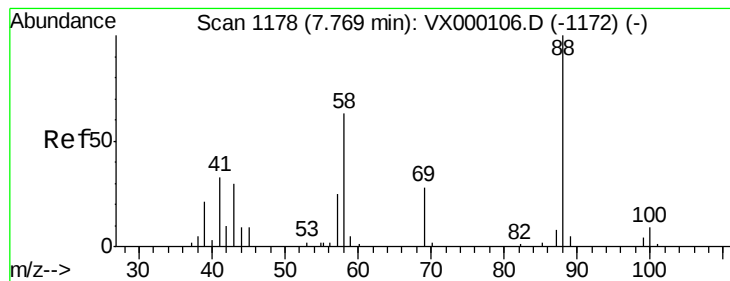
61 18.7 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 110.64 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

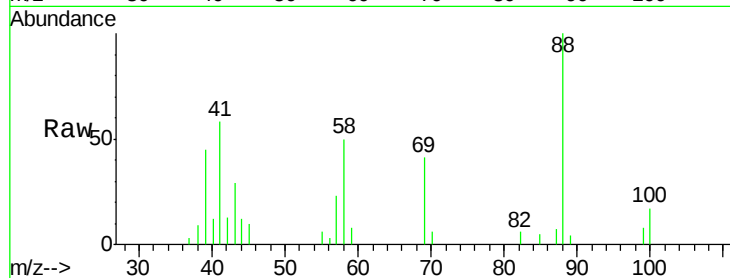
Tgt Ion: 88 Resp: 3698

Ion Ratio Lower Upper

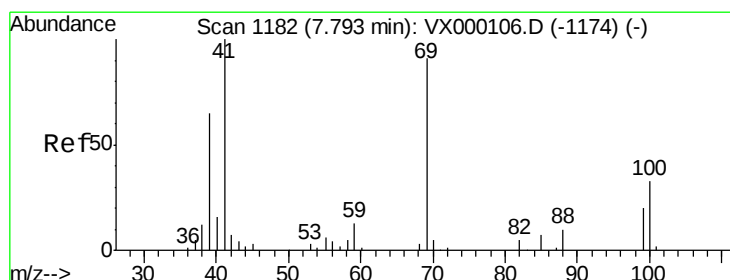
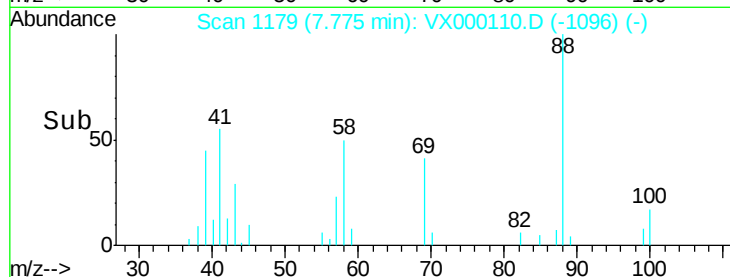
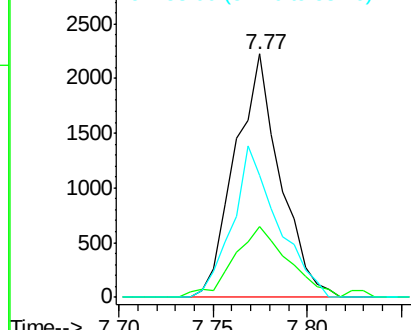
88 100

43 33.2 26.8 40.2

58 62.3 52.1 78.1



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 5.13 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

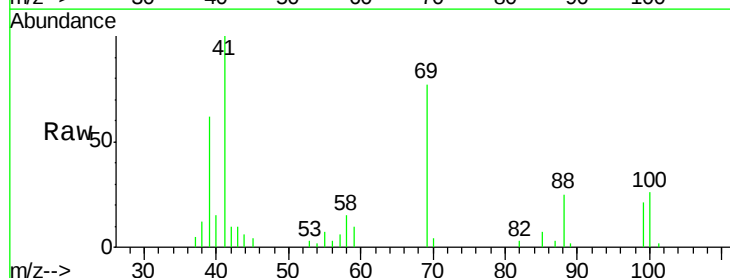
Tgt Ion: 41 Resp: 6756

Ion Ratio Lower Upper

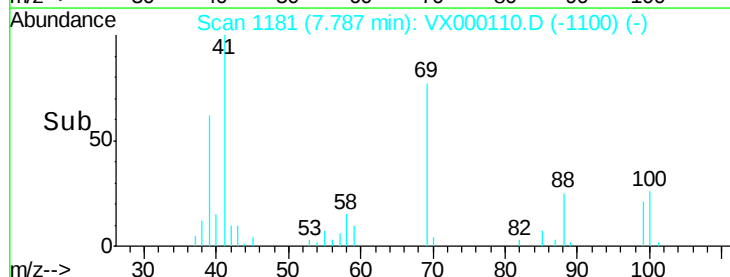
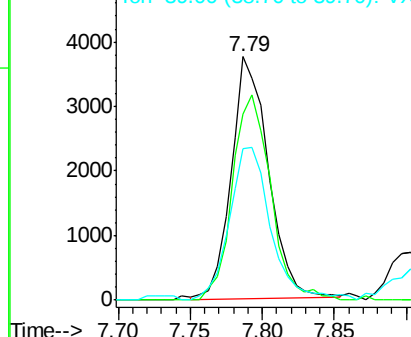
41 100

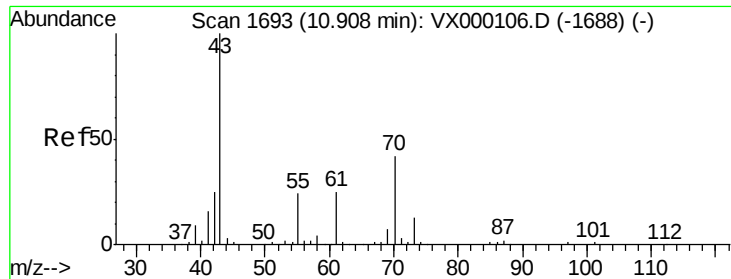
69 77.7 45.5 136.5

39 62.9 32.5 97.5



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

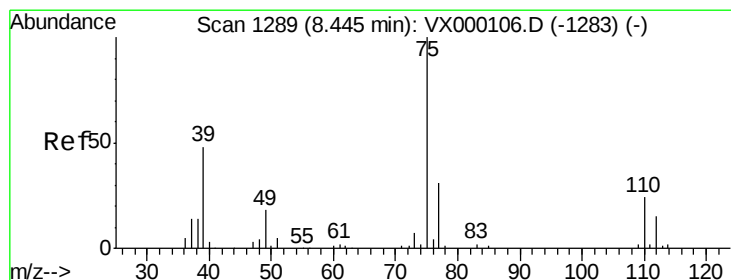
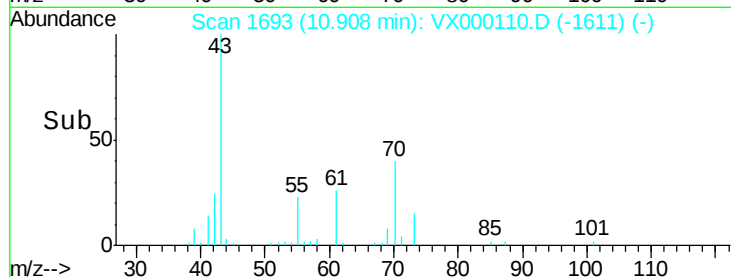
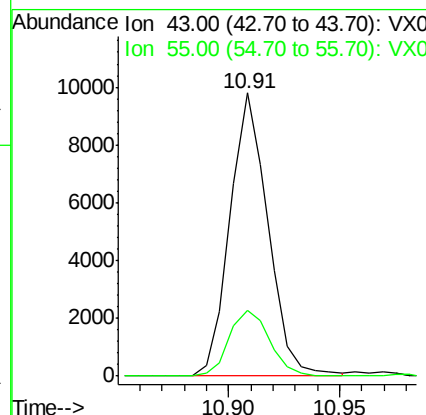
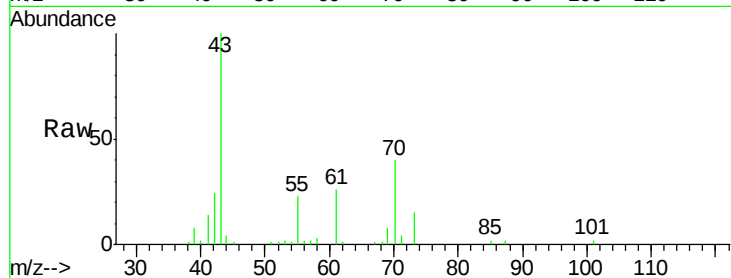




#47
n-amy1 Acetate
Concen: 5.02 ug/l
RT: 10.91 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

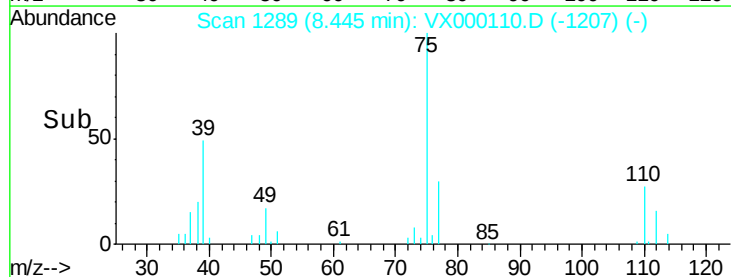
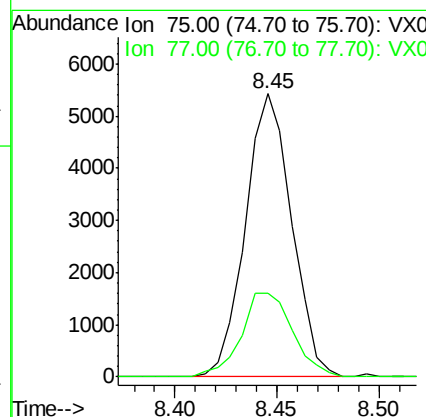
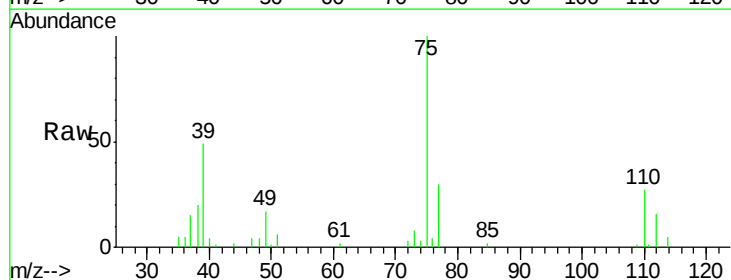
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

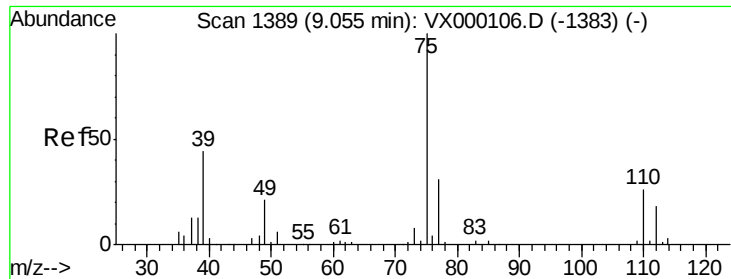
Tgt Ion: 43 Resp: 11649
Ion Ratio Lower Upper
43 100
55 24.6 19.4 29.2



#48
t-1,3-Dichloropropene
Concen: 5.03 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 75 Resp: 8565
Ion Ratio Lower Upper
75 100
77 29.7 24.6 37.0

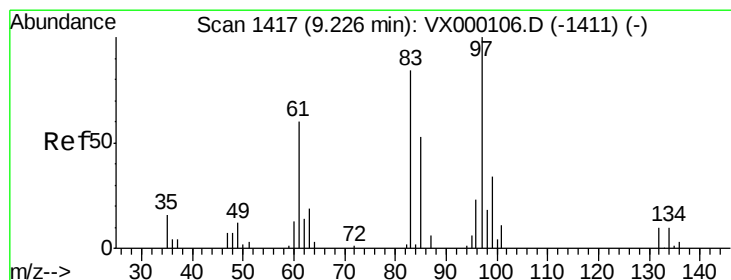
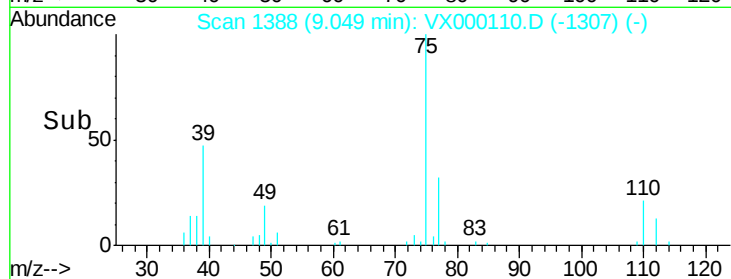
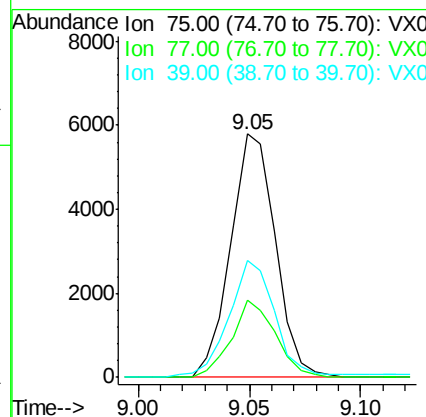
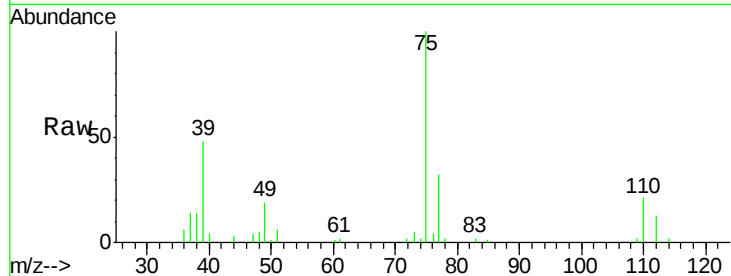




#49
 cis-1,3-Dichloropropene
 Concen: 4.94 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

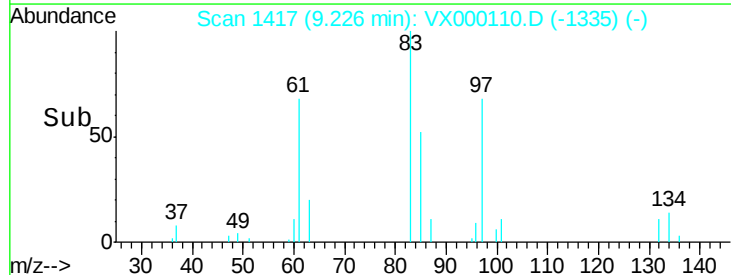
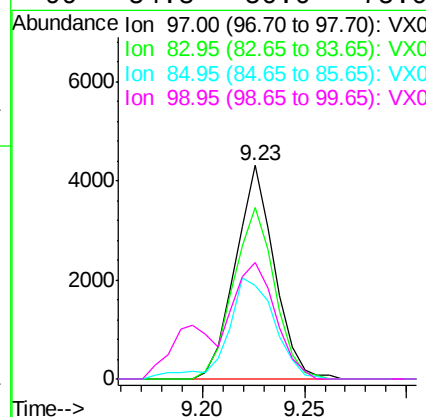
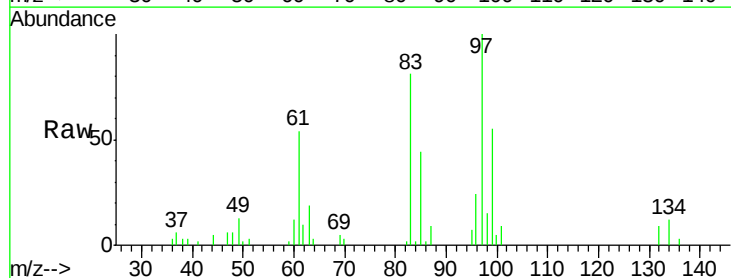
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

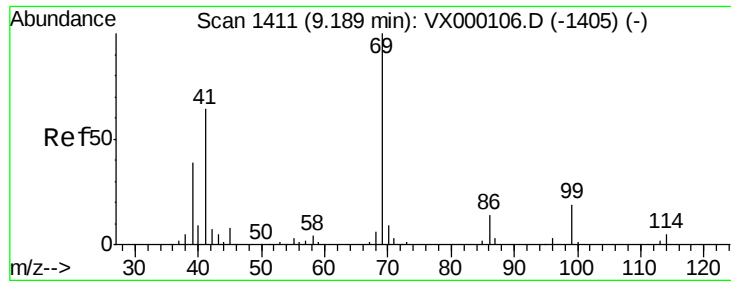
Tgt Ion: 75 Resp: 8123
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.5 36.7
 39 46.5 35.6 53.4



#50
 1,1,2-Trichloroethane
 Concen: 5.28 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion: 97 Resp: 5725
 Ion Ratio Lower Upper
 97 100
 83 80.5 66.9 100.3
 85 44.0 44.4 66.6#
 99 54.8 50.0 75.0





#51

Ethyl methacrylate

Concen: 5.32 ug/l

RT: 9.20 min Scan# 1412

Delta R.T. 0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

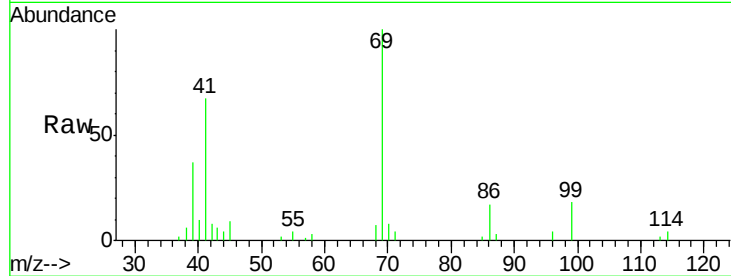
Tgt Ion: 69 Resp: 8785

Ion Ratio Lower Upper

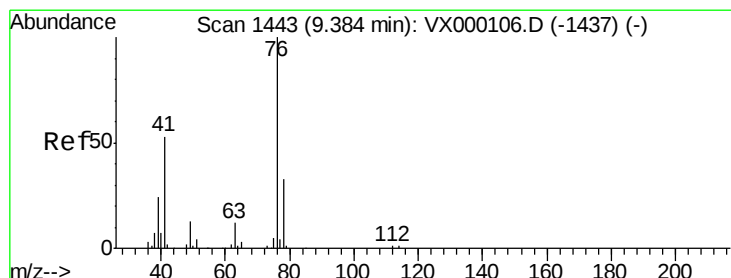
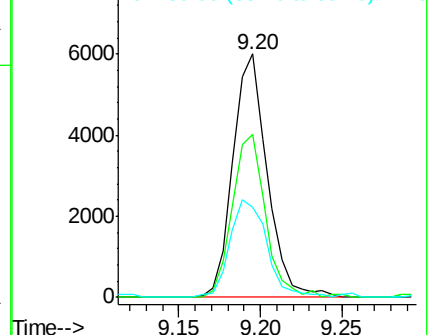
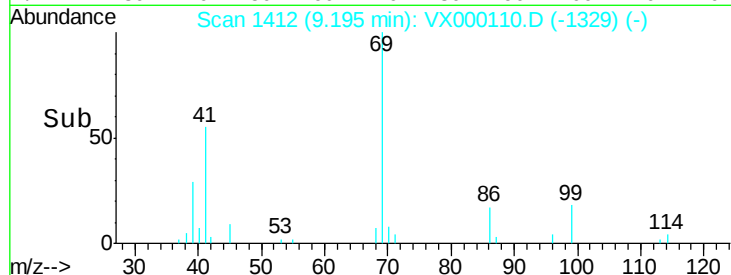
69 100

41 67.0 32.1 96.3

39 37.0 19.6 58.7



Abundance Ion 69.00 (68.70 to 69.70): VX000110.D (-1329) (-)



#52

1,3-Dichloropropane

Concen: 5.17 ug/l

RT: 9.38 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VX000110.D

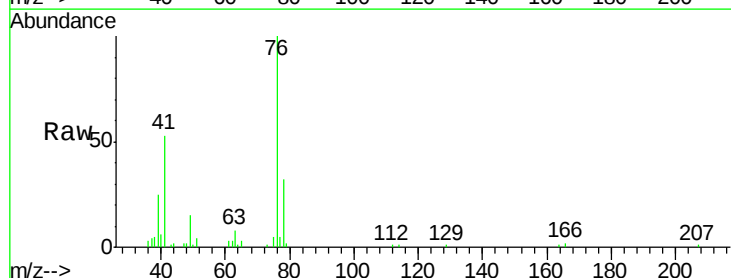
Acq: 20 Feb 2018 16:04

Tgt Ion: 76 Resp: 9317

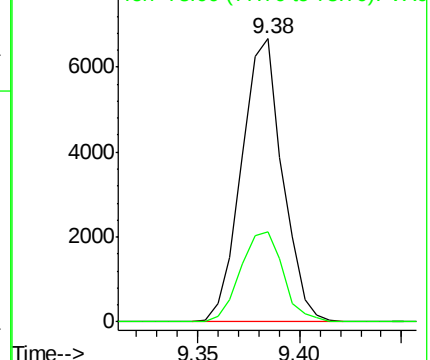
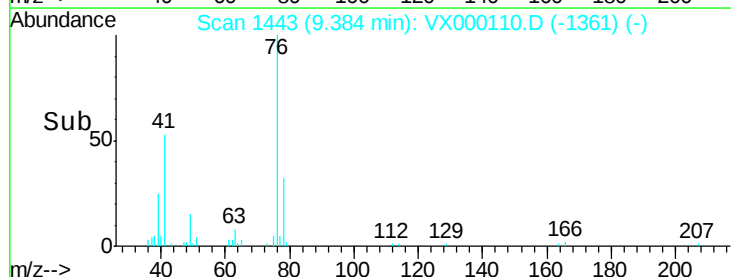
Ion Ratio Lower Upper

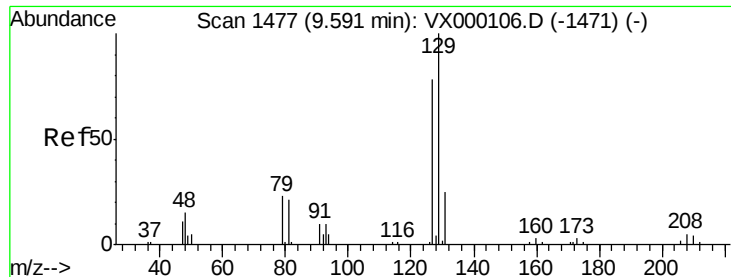
76 100

78 33.0 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VX000110.D (-1361) (-)





#53

Dibromochloromethane

Concen: 4.73 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

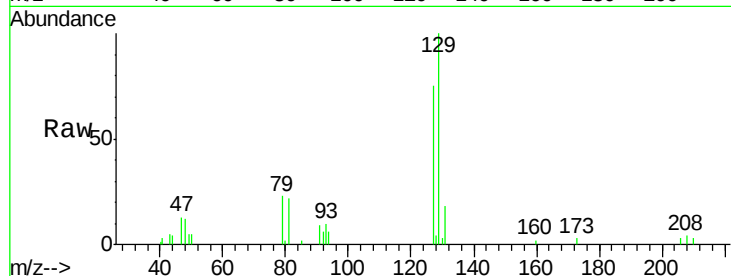
VSTDIC005

Tgt Ion:129 Resp: 5811

Ion Ratio Lower Upper

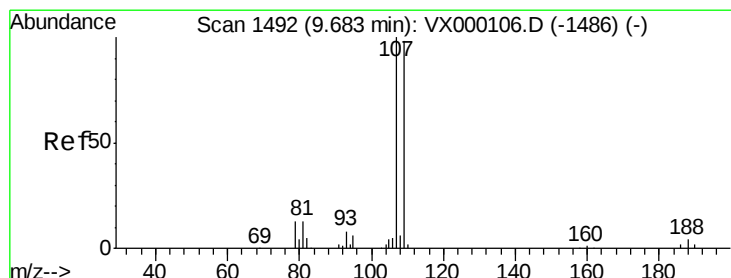
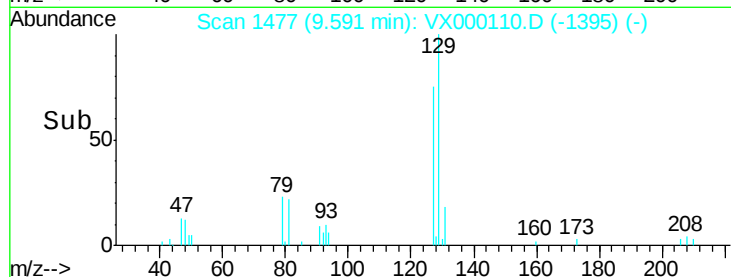
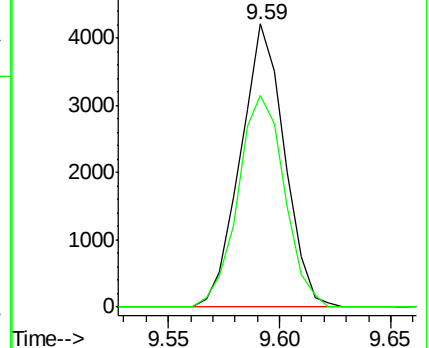
129 100

127 78.8 37.5 112.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.07 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000110.D

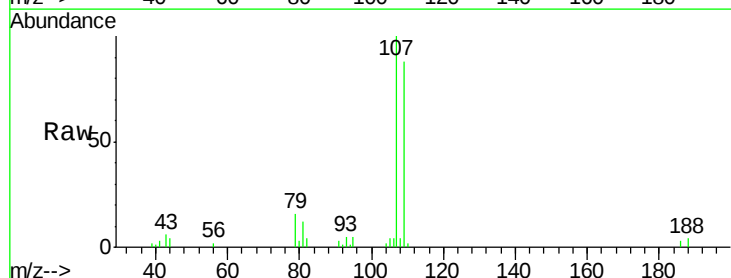
Acq: 20 Feb 2018 16:04

Tgt Ion:107 Resp: 6262

Ion Ratio Lower Upper

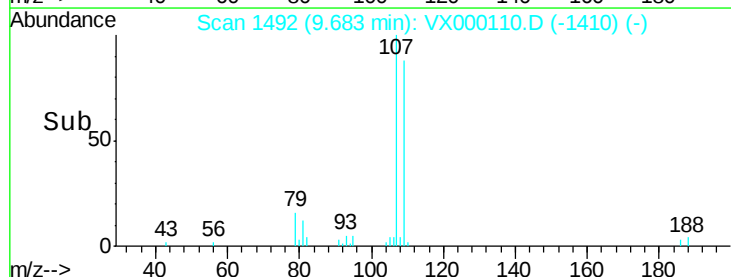
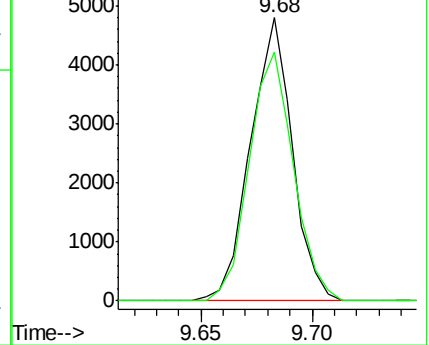
107 100

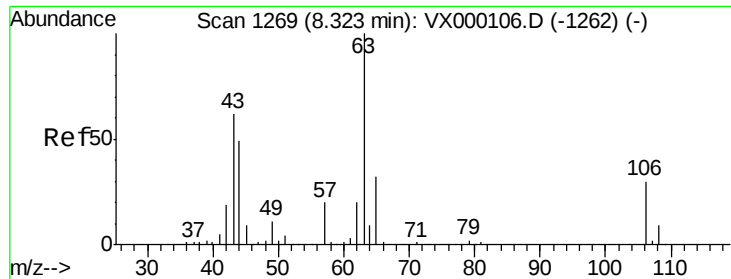
109 93.1 74.5 111.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

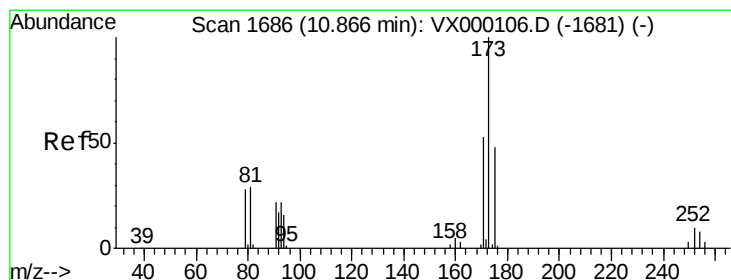
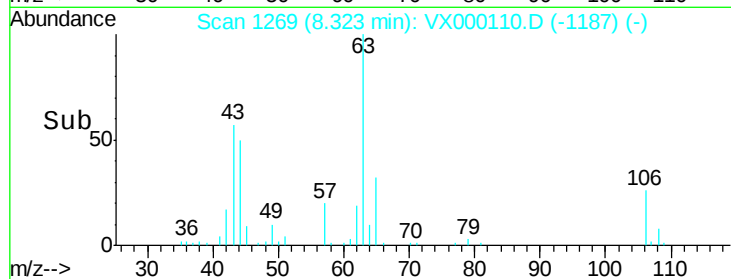
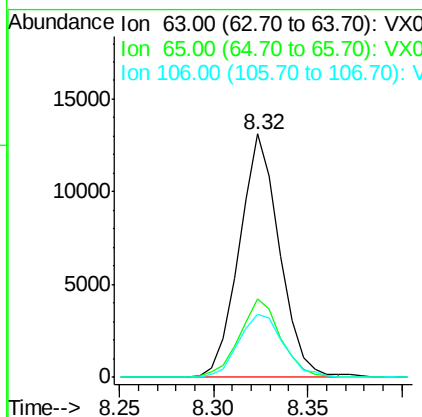
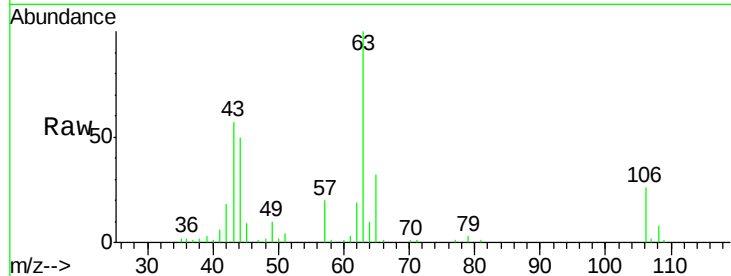




#55
2-Chloroethyl vinyl ether
Concen: 23.02 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

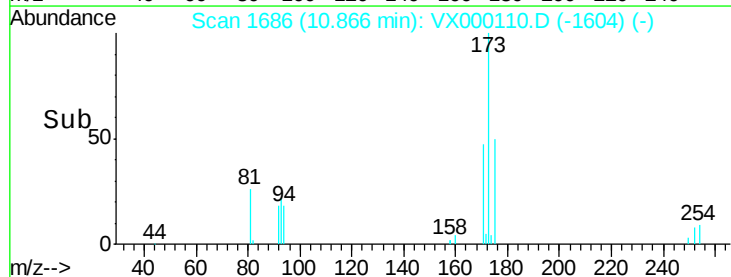
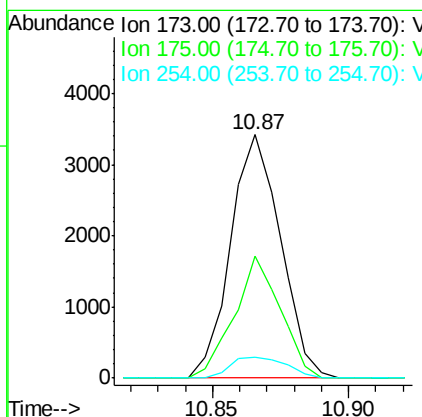
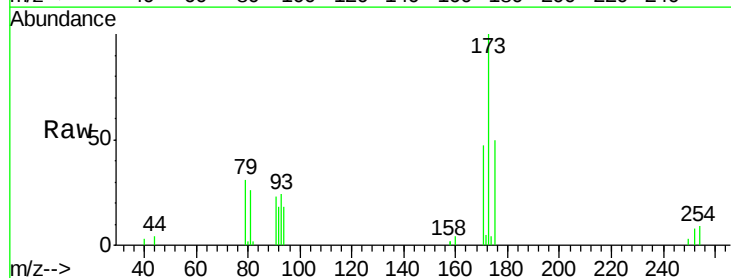
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

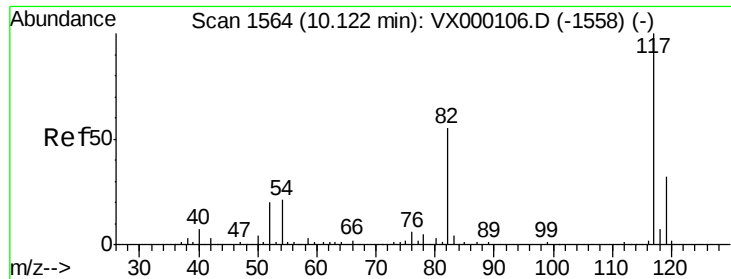
Tgt Ion: 63 Resp: 19381
Ion Ratio Lower Upper
63 100
65 33.1 25.8 38.8
106 28.6 23.8 35.6



#56
Bromoform
Concen: 4.47 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 173 Resp: 4362
Ion Ratio Lower Upper
173 100
175 46.3 39.0 58.4
254 9.7 7.0 10.4

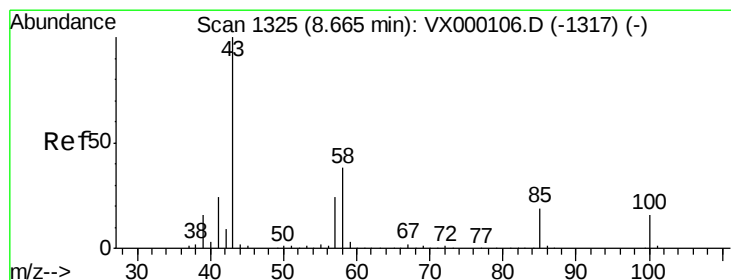
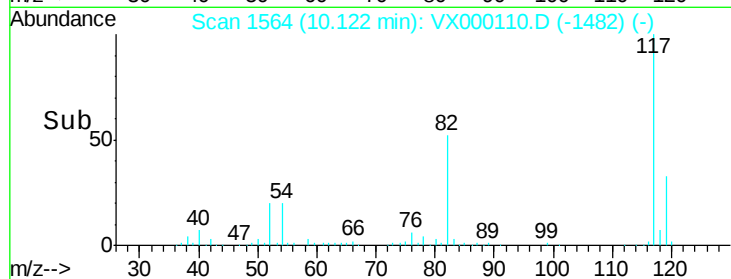
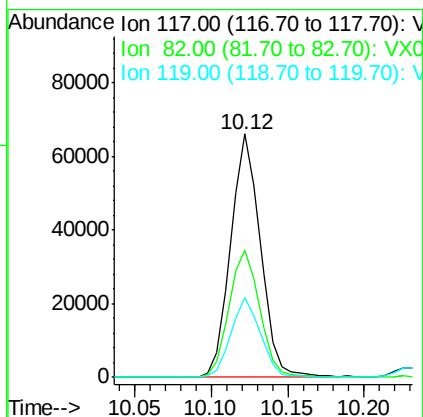
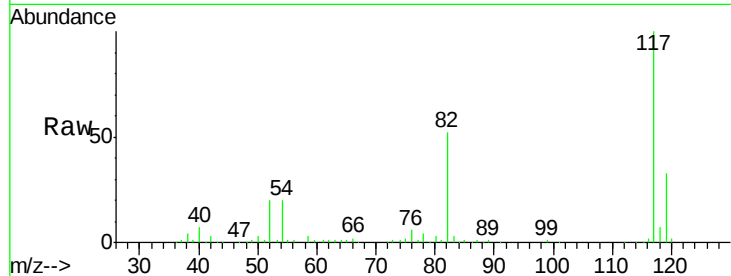




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

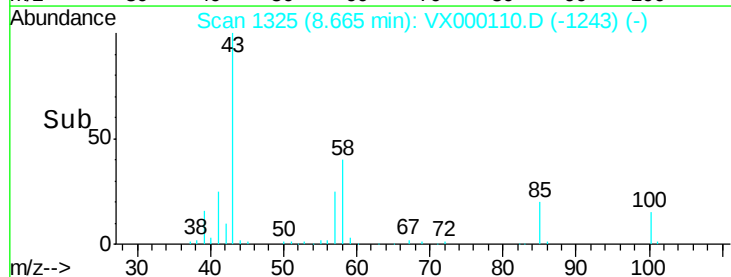
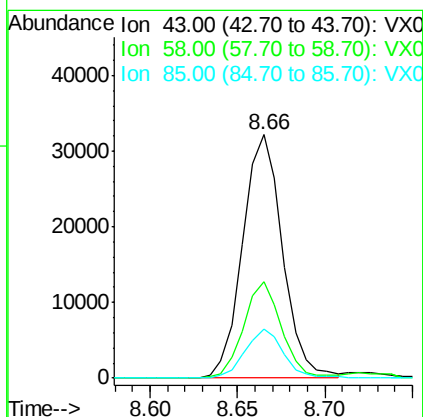
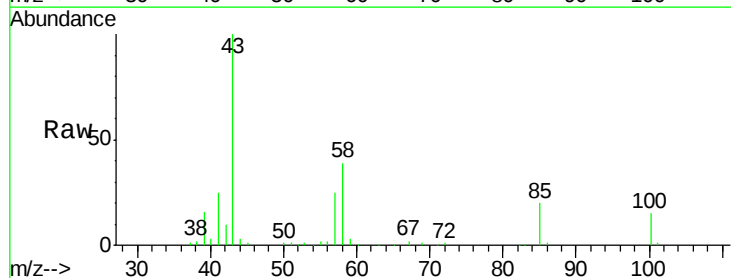
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

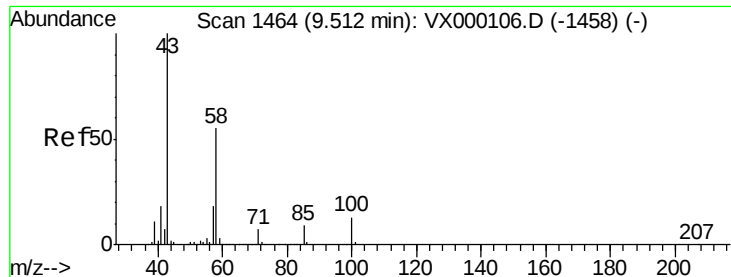
Tgt Ion: 117 Resp: 89579
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.6 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 25.33 ug/l
RT: 8.66 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 51116
Ion Ratio Lower Upper
43 100
58 37.4 29.8 44.8
85 19.0 14.9 22.3

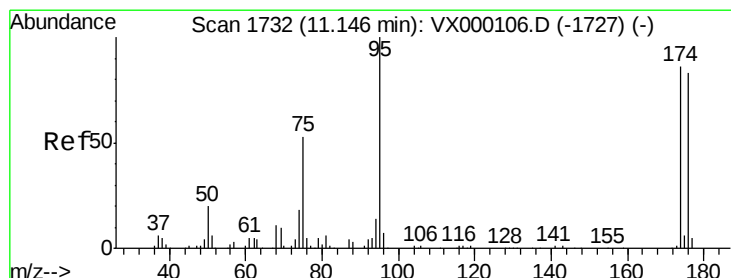
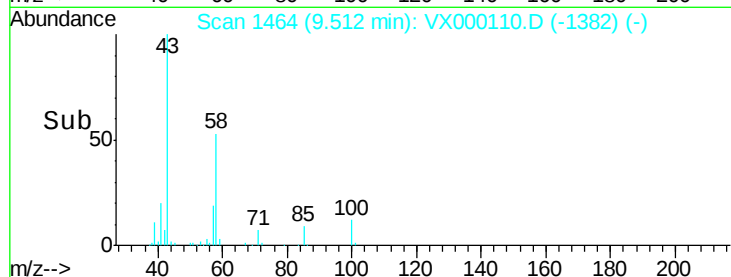
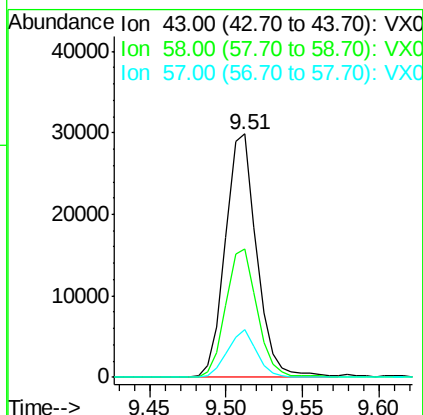
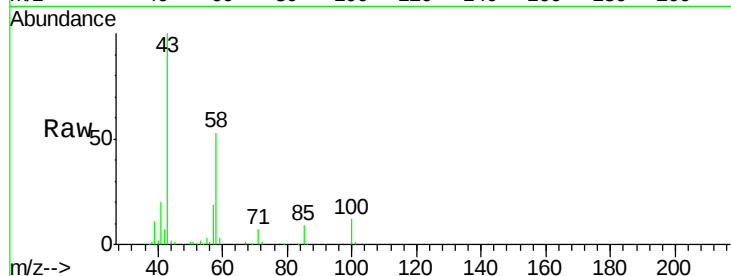




#59
2-Hexanone
Concen: 24.90 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

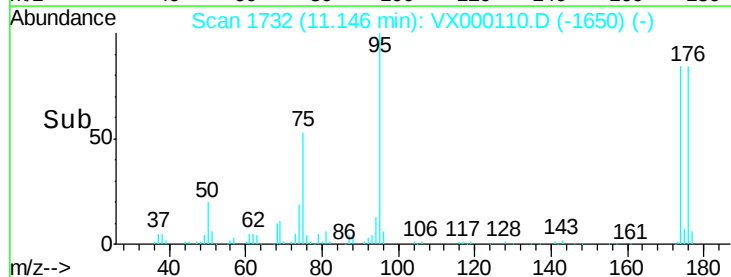
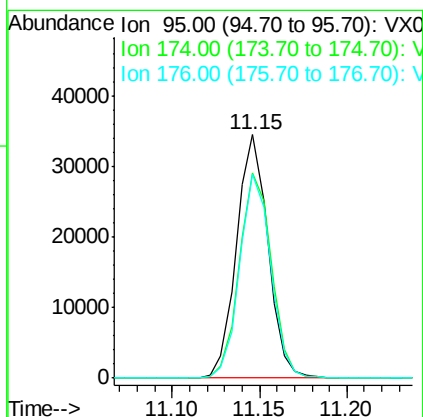
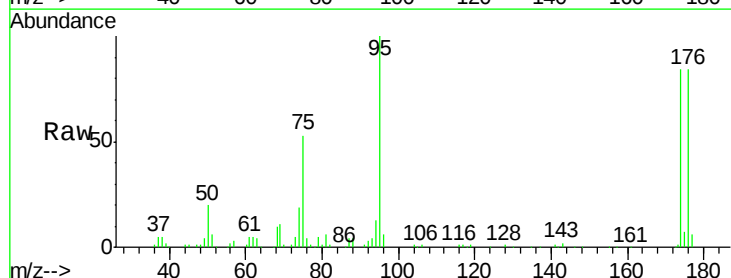
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

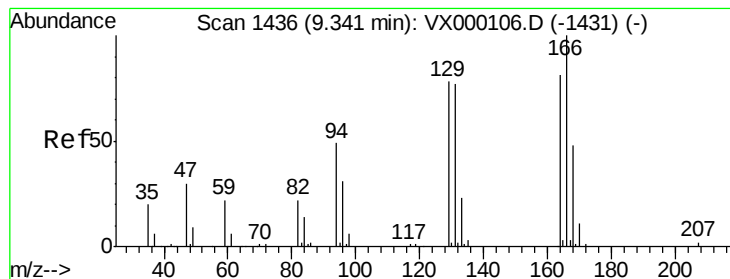
Tgt Ion: 43 Resp: 42794
Ion Ratio Lower Upper
43 100
58 52.3 43.0 64.6
57 18.3 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 29.62 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 95 Resp: 43177
Ion Ratio Lower Upper
95 100
174 86.6 71.1 106.7
176 82.6 69.3 103.9





#61

Tetrachloroethene

Concen: 5.15 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 5608

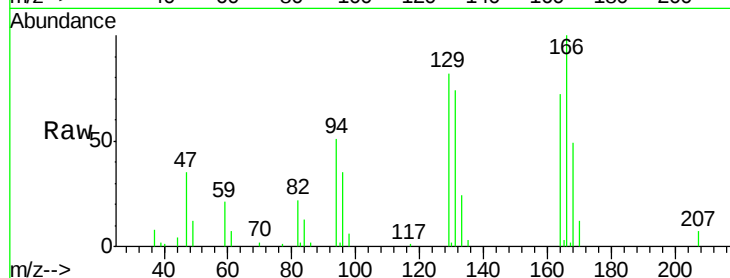
Ion Ratio Lower Upper

164 100

166 138.5 99.0 148.4

129 113.2 77.0 115.6

131 102.1 75.8 113.6

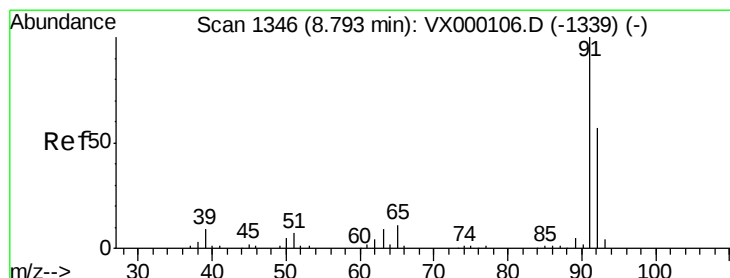
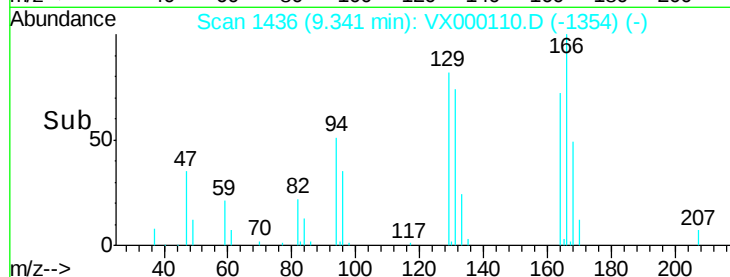
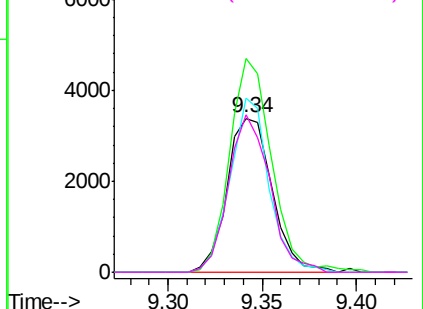


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.06 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000110.D

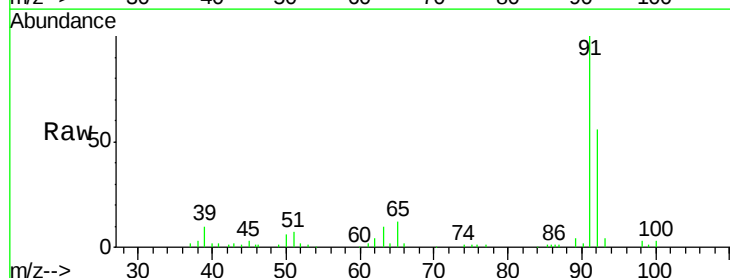
Acq: 20 Feb 2018 16:04

Tgt Ion: 91 Resp: 23824

Ion Ratio Lower Upper

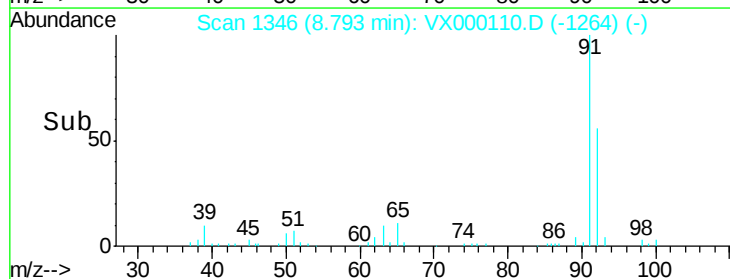
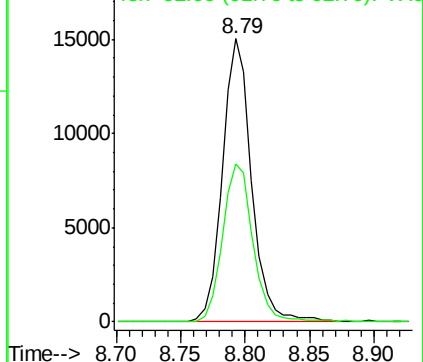
91 100

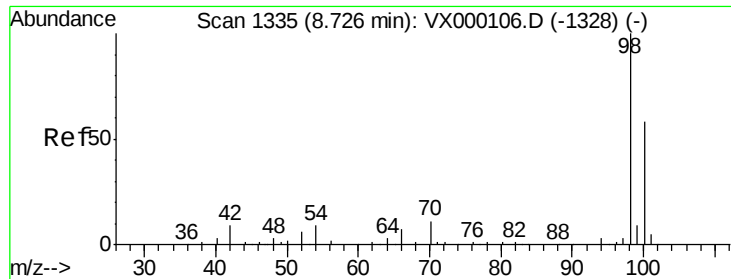
92 58.2 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.15 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

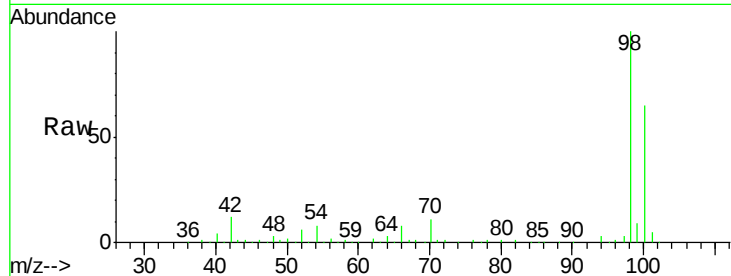
VSTDIC005

Tgt Ion: 98 Resp: 115871

Ion Ratio Lower Upper

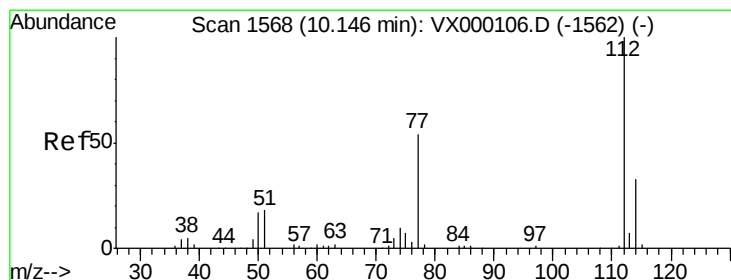
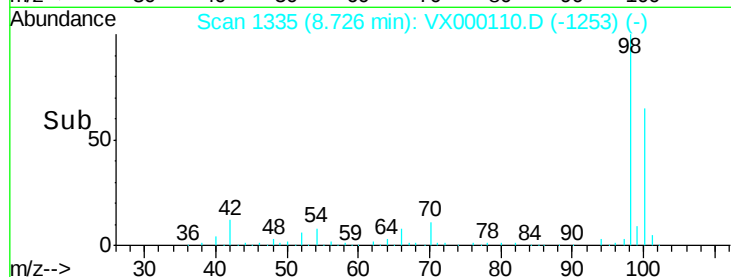
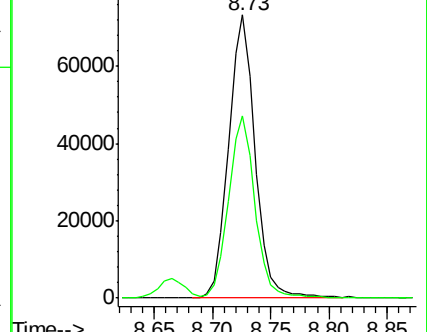
98 100

100 62.6 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VX000110.D (-1253) (-)

Ion 100.00 (99.70 to 100.70): VX000110.D (-1253) (-)



#64

Chlorobenzene

Concen: 5.28 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000110.D

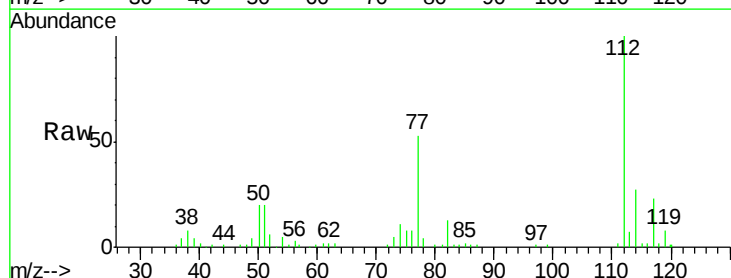
Acq: 20 Feb 2018 16:04

Tgt Ion: 112 Resp: 16578

Ion Ratio Lower Upper

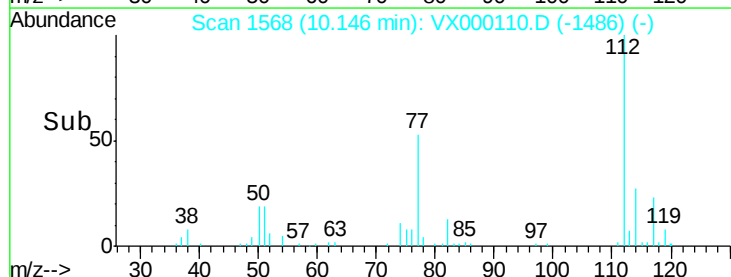
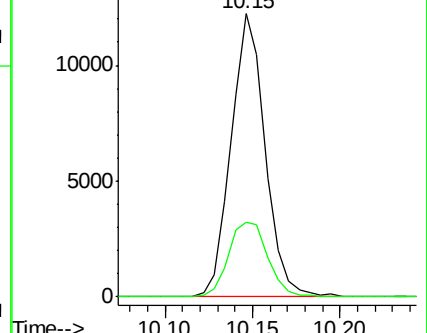
112 100

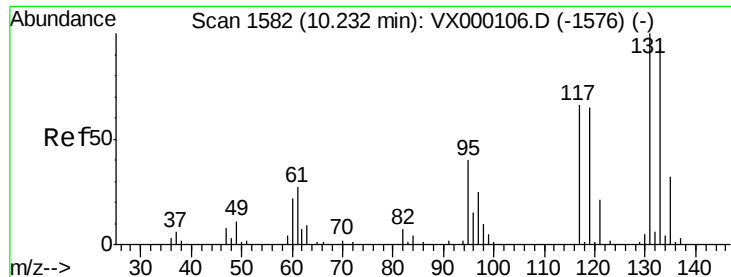
114 26.6 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): VX000110.D (-1486) (-)

Ion 114.00 (113.70 to 114.70): VX000110.D (-1486) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 4.75 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

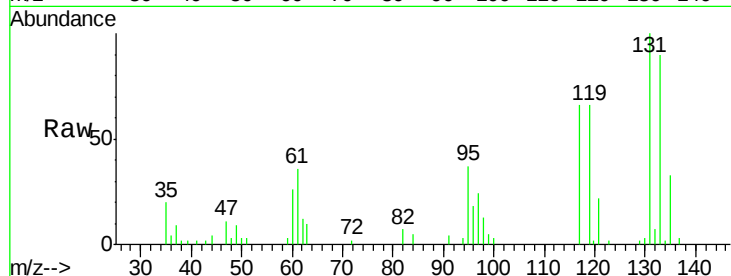
Tgt Ion: 131 Resp: 5321

Ion Ratio Lower Upper

131 100

133 95.1 0.0 187.6

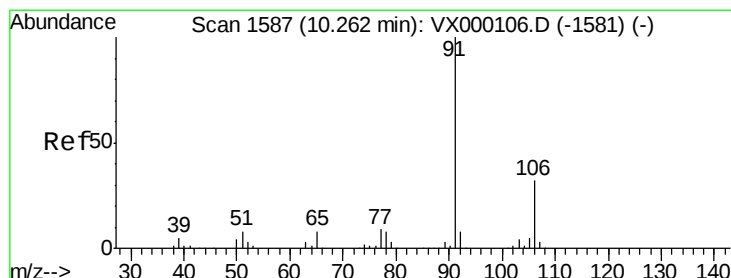
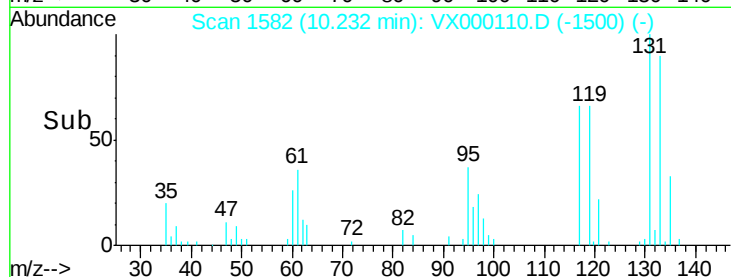
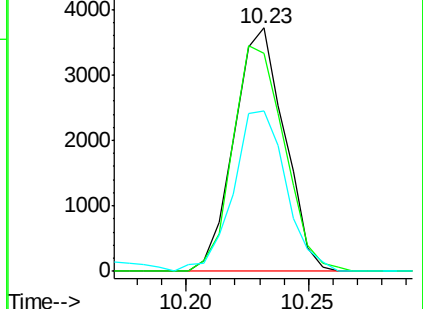
119 69.1 0.0 134.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.08 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VX000110.D

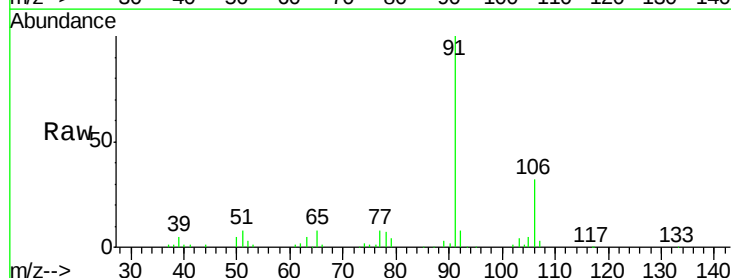
Acq: 20 Feb 2018 16:04

Tgt Ion: 91 Resp: 27488

Ion Ratio Lower Upper

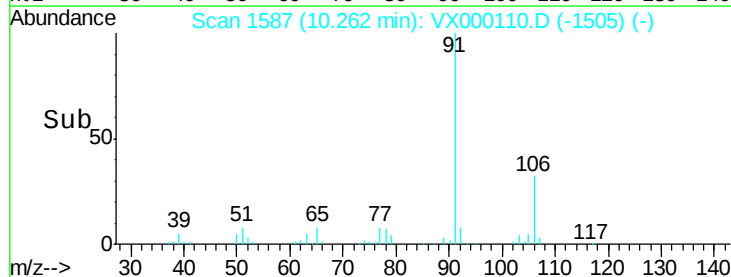
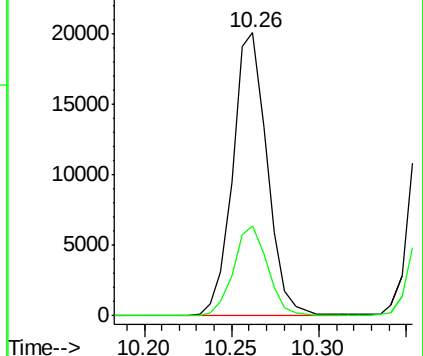
91 100

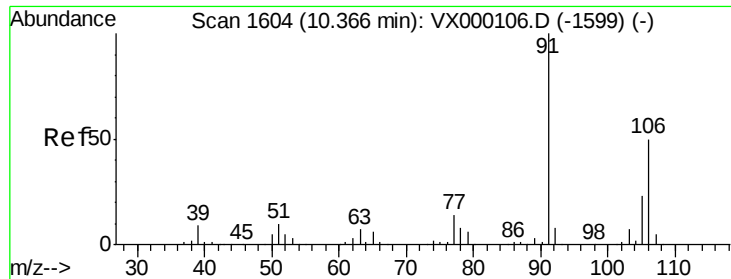
106 31.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 10.30 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

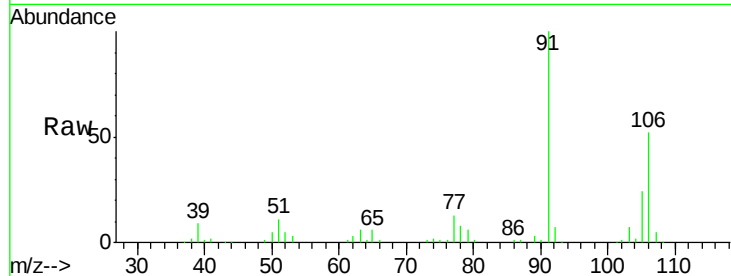
VSTDIC005

Tgt Ion:106 Resp: 21363

Ion Ratio Lower Upper

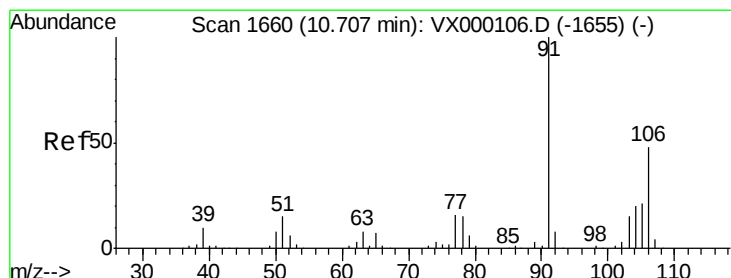
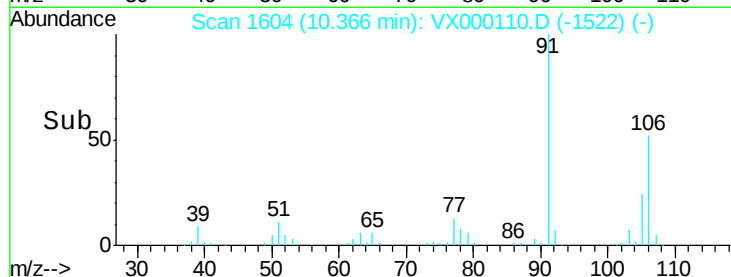
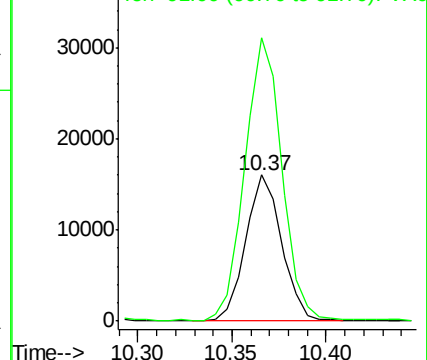
106 100

91 196.7 161.6 242.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 4.97 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX000110.D

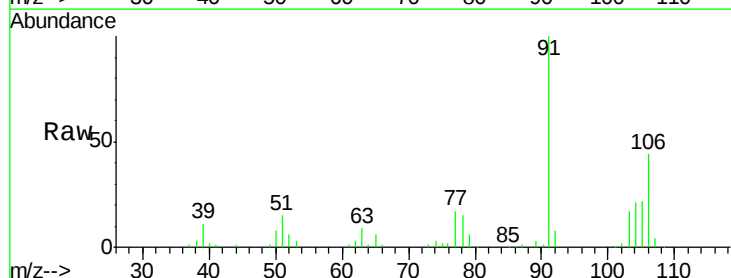
Acq: 20 Feb 2018 16:04

Tgt Ion:106 Resp: 10181

Ion Ratio Lower Upper

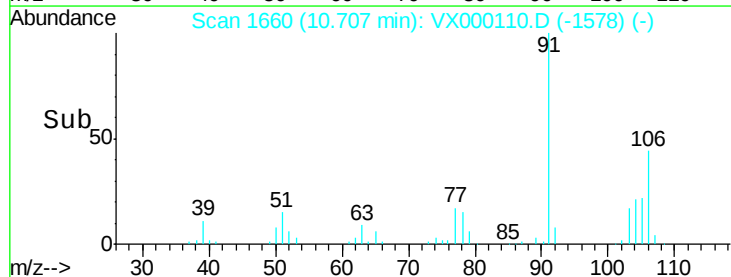
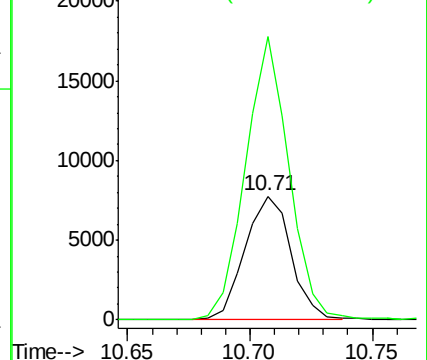
106 100

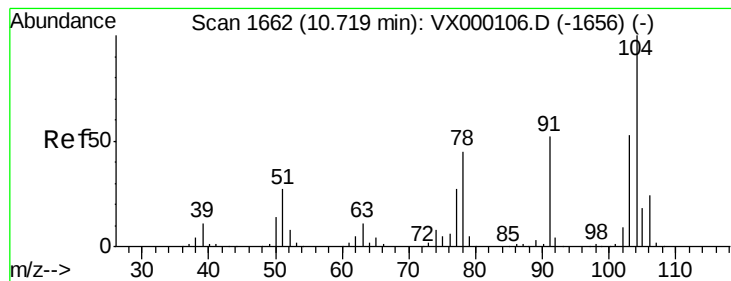
91 215.5 105.6 316.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Styrene

Concen: 4.91 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

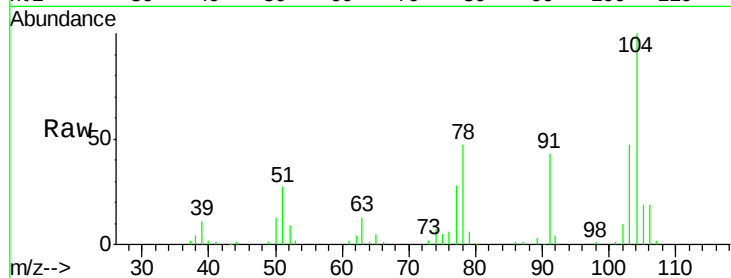
Tgt Ion:104 Resp: 16625

Ion Ratio Lower Upper

104 100

78 49.4 39.0 58.4

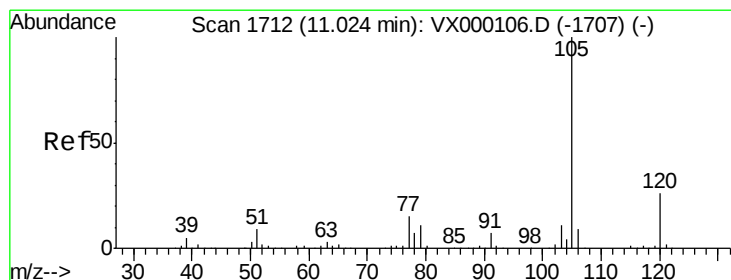
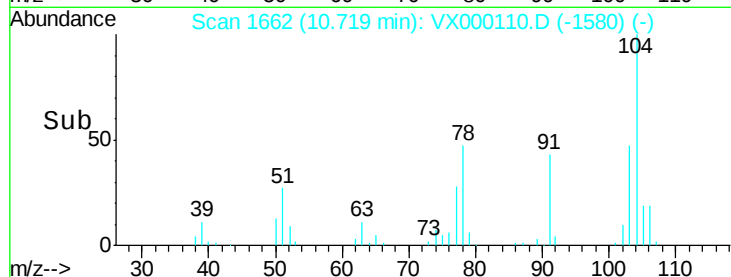
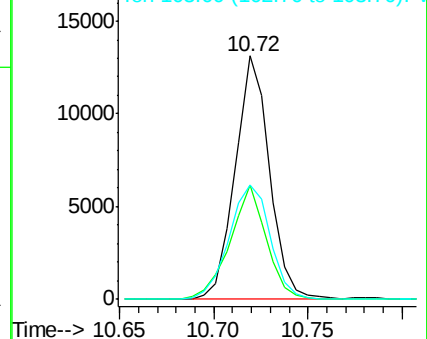
103 56.2 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 5.08 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000110.D

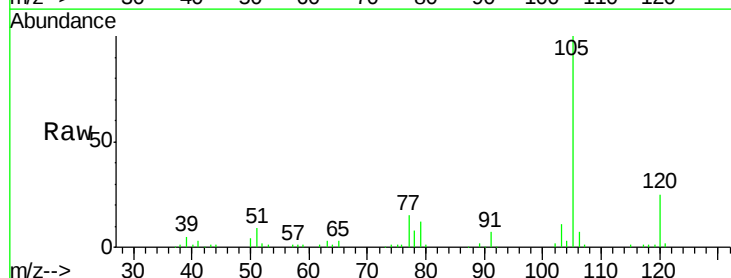
Acq: 20 Feb 2018 16:04

Tgt Ion:105 Resp: 28083

Ion Ratio Lower Upper

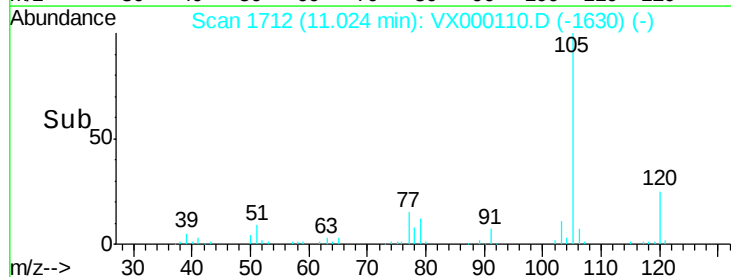
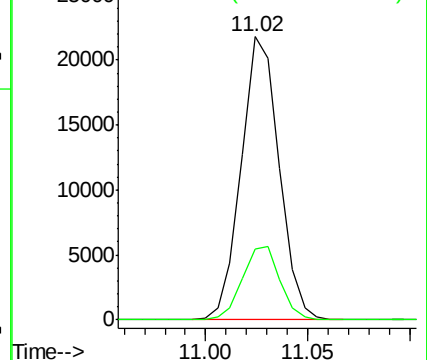
105 100

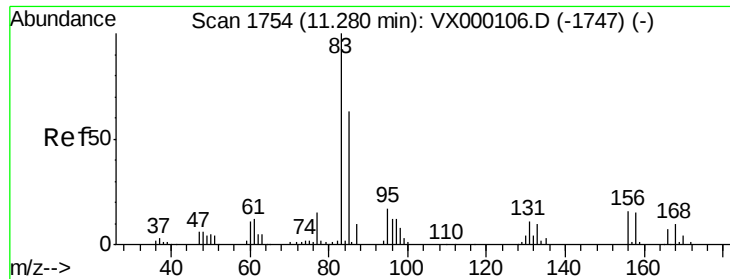
120 25.7 18.8 35.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

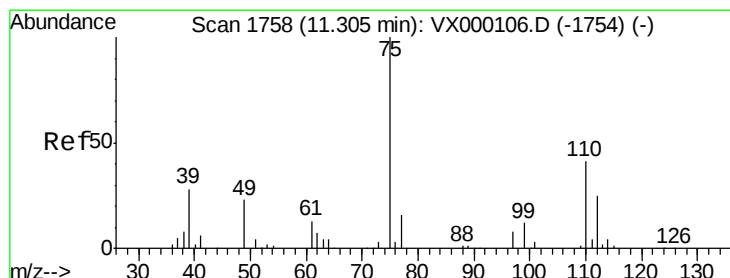
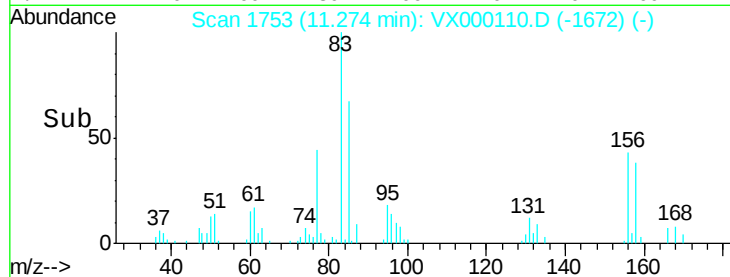
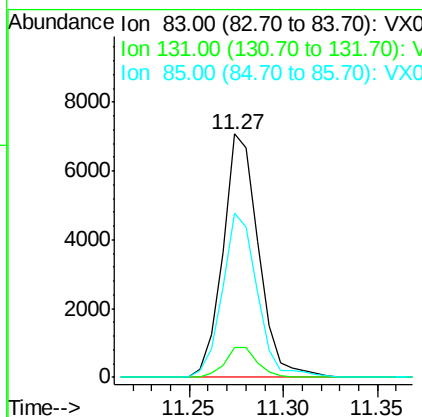
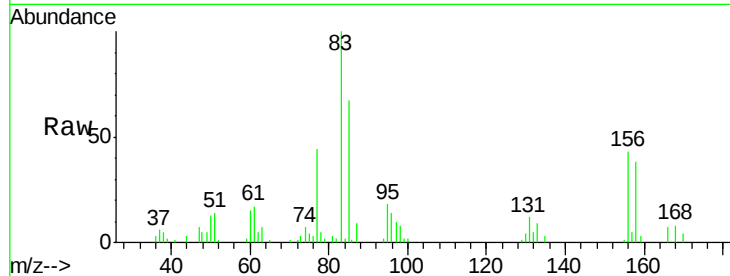




#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.88 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.01 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

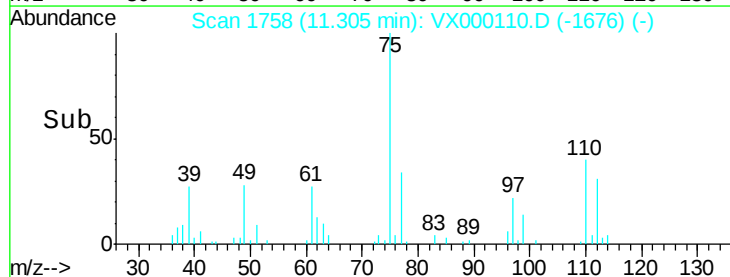
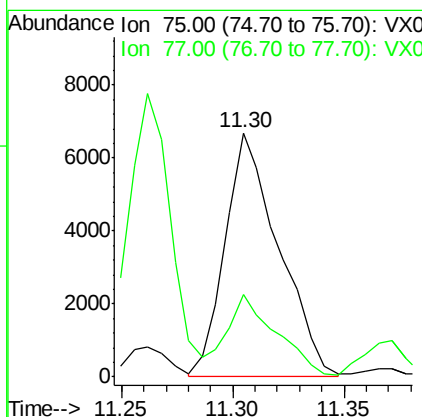
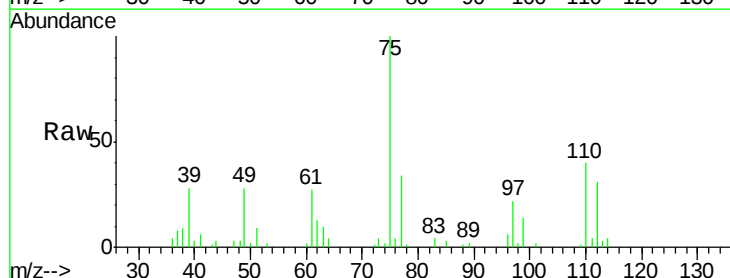
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

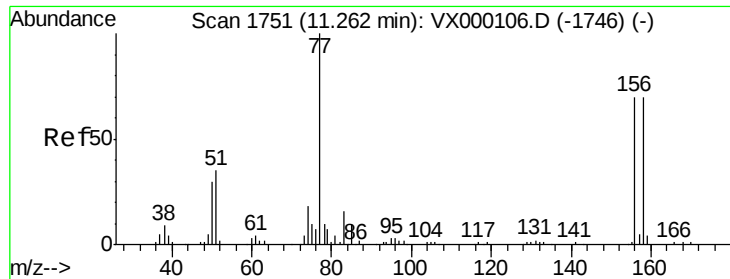
Tgt Ion: 83 Resp: 9299
 Ion Ratio Lower Upper
 83 100
 131 11.2 5.3 16.1
 85 64.5 32.5 97.5



#72
 1,2,3-Trichloropropane
 Concen: 6.40 ug/l
 RT: 11.30 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion: 75 Resp: 11203
 Ion Ratio Lower Upper
 75 100
 77 31.8 0.0 85.8

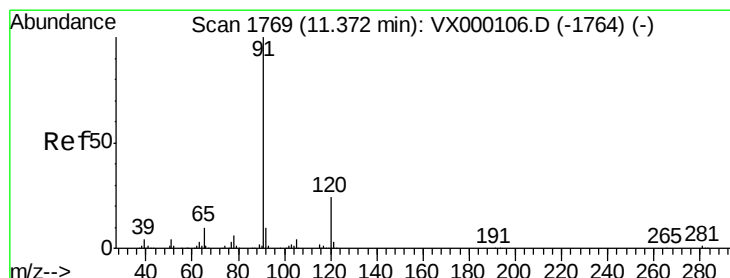
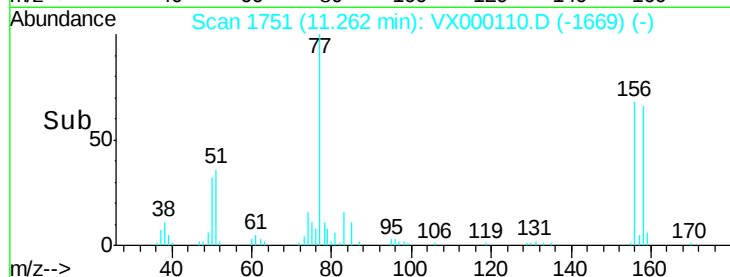
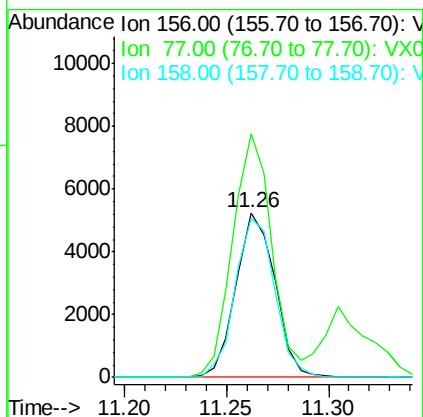
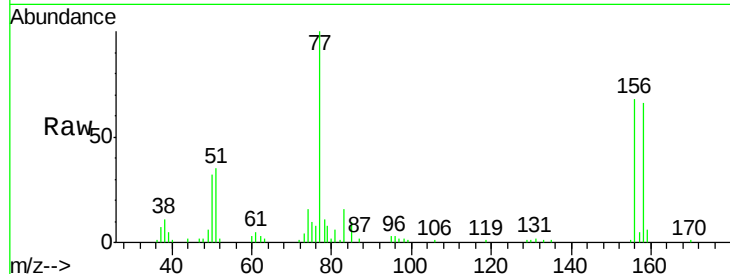




#73
Bromobenzene
Concen: 4.90 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

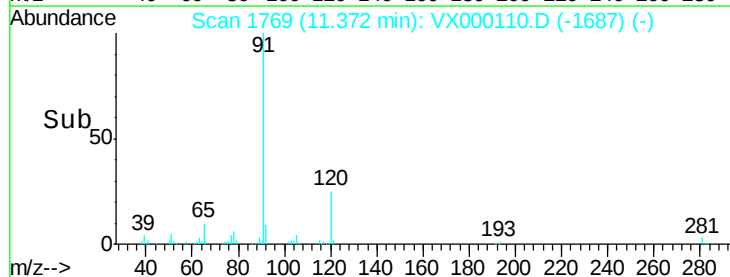
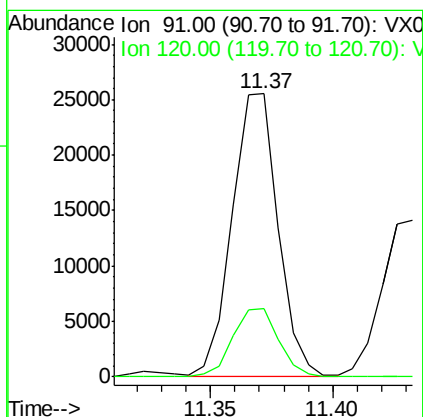
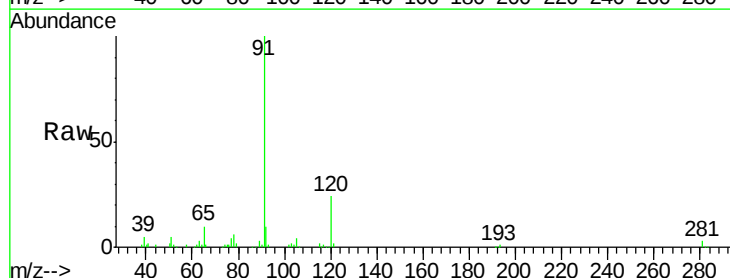
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

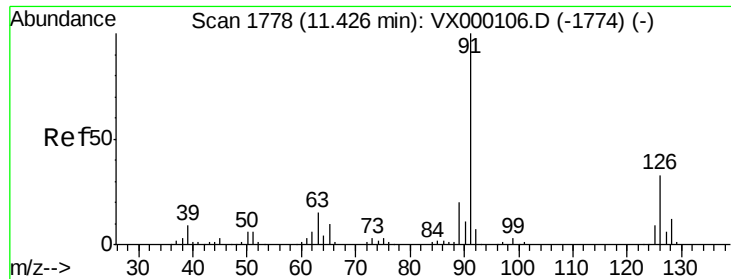
Tgt Ion: 156 Resp: 7000
Ion Ratio Lower Upper
156 100
77 147.7 0.0 280.2
158 97.5 0.0 197.2



#74
n-propylbenzene
Concen: 5.17 ug/l
RT: 11.37 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 91 Resp: 33477
Ion Ratio Lower Upper
91 100
120 24.0 0.0 47.4





#75

2-Chlorotoluene

Concen: 4.96 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

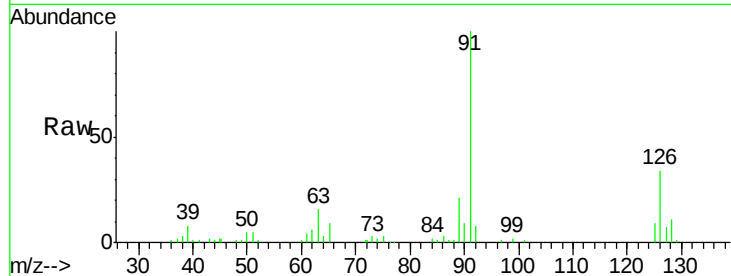
VSTDIC005

Tgt Ion: 91 Resp: 18759

Ion Ratio Lower Upper

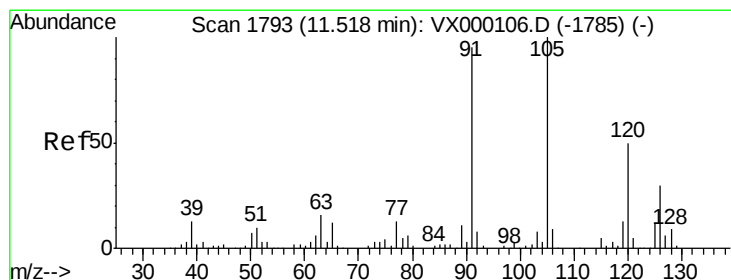
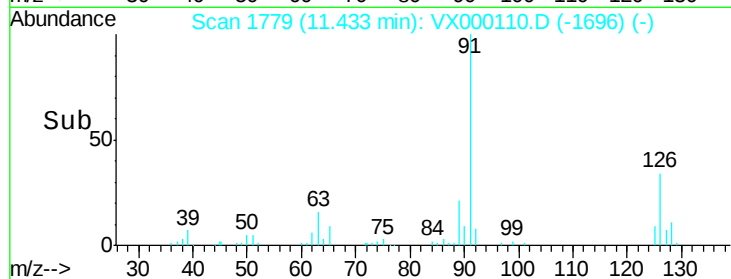
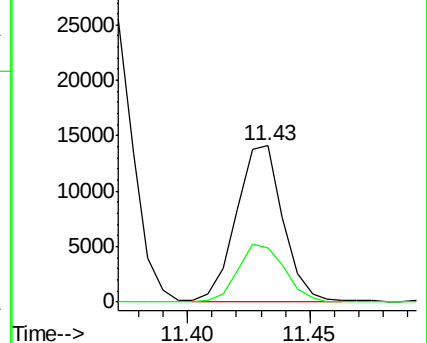
91 100

126 36.5 0.0 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 5.07 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000110.D

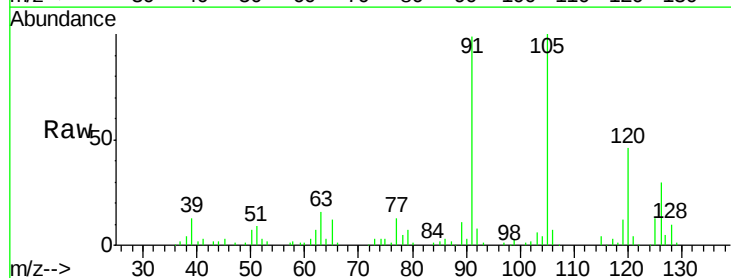
Acq: 20 Feb 2018 16:04

Tgt Ion: 105 Resp: 23663

Ion Ratio Lower Upper

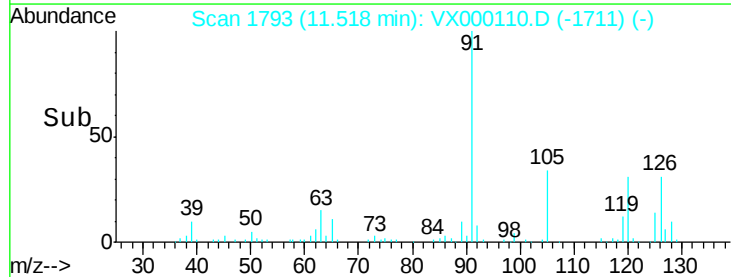
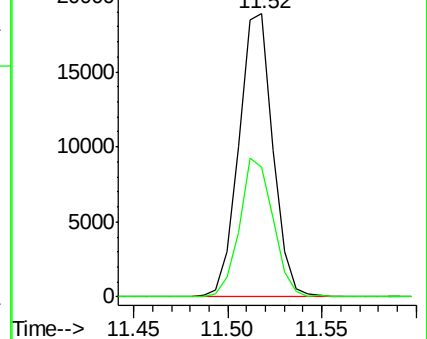
105 100

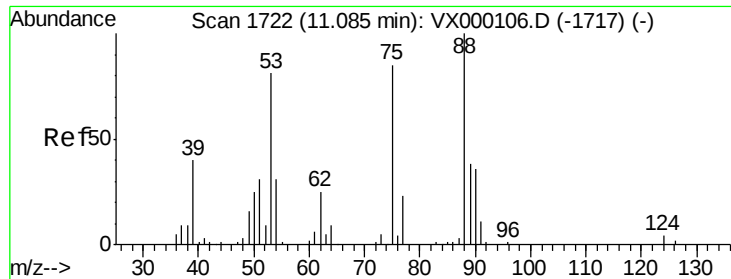
120 48.2 0.0 63.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 4.31 ug/l

RT: 11.09 min Scan# 1722

Delta R.T. 0.00 min

Lab File: VX000110.D

Acq: 20 Feb 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

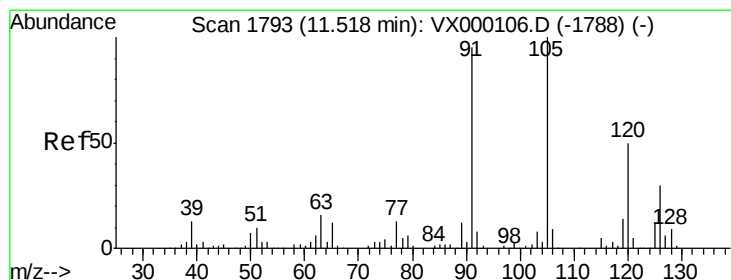
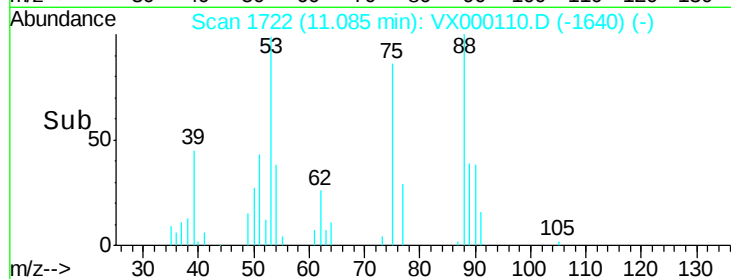
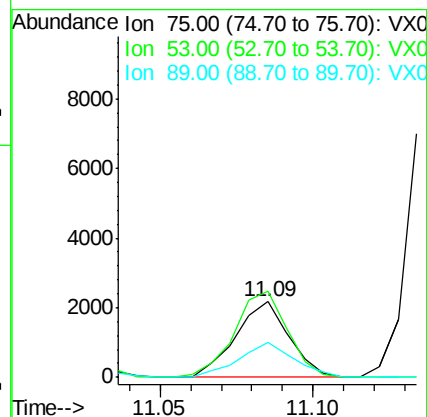
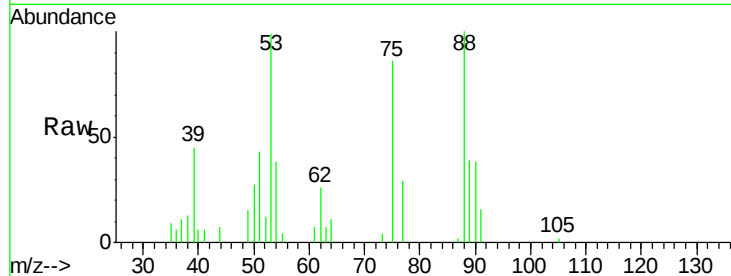
Tgt Ion: 75 Resp: 2633

Ion Ratio Lower Upper

75 100

53 115.0 47.8 143.3

89 45.6 22.3 66.8



#78

4-Chlorotoluene

Concen: 5.05 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX000110.D

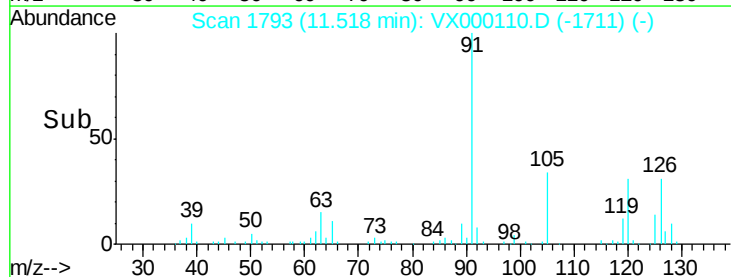
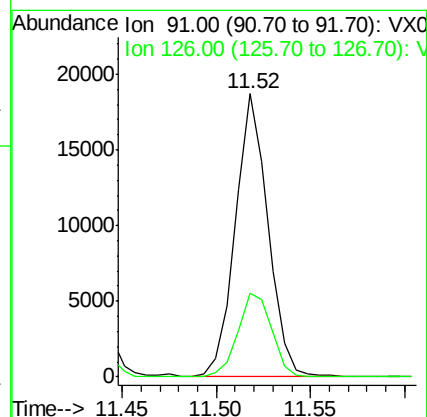
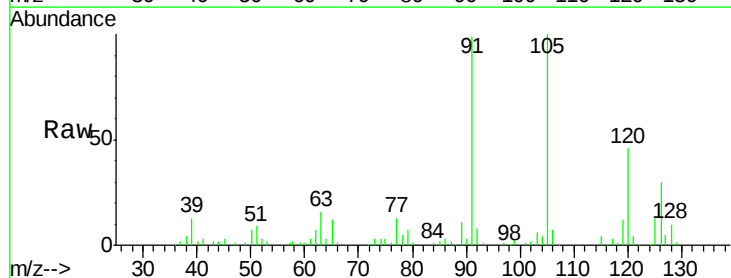
Acq: 20 Feb 2018 16:04

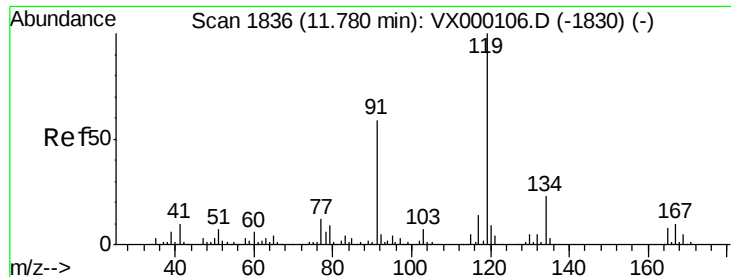
Tgt Ion: 91 Resp: 22505

Ion Ratio Lower Upper

91 100

126 30.5 0.0 63.4

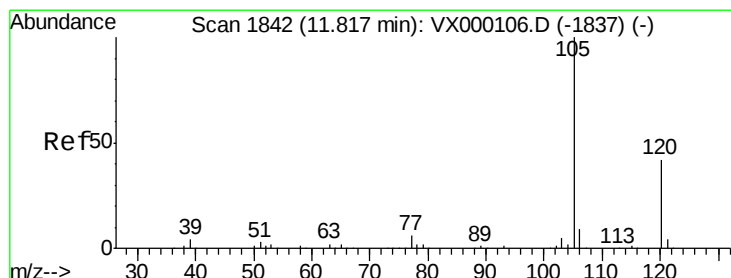
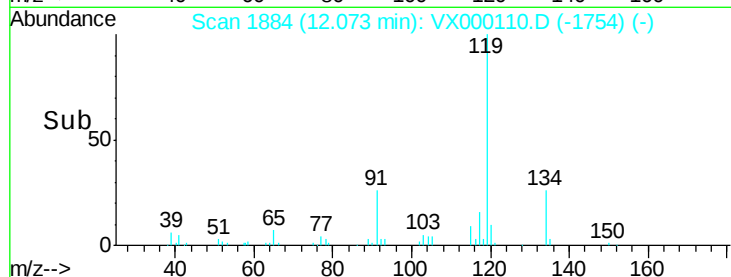
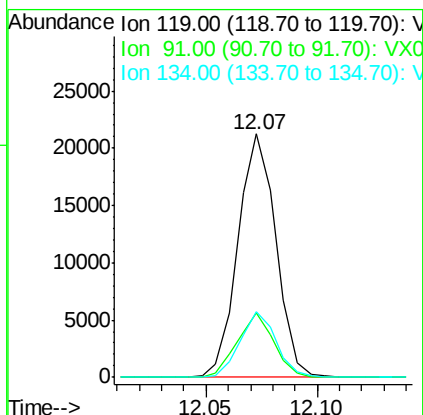
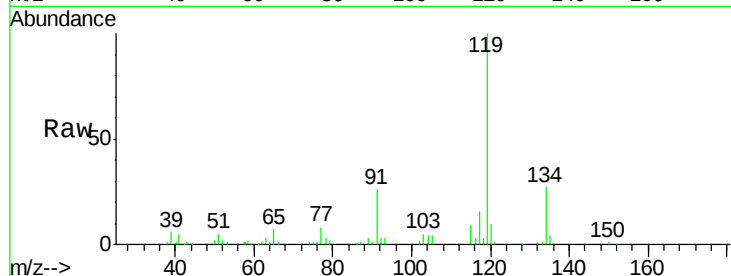




#79
tert-butylbenzene
Concen: 5.38 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.29 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

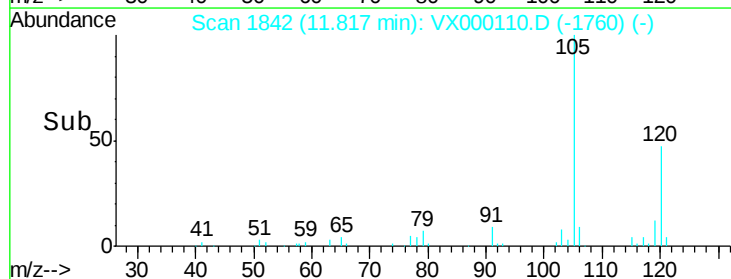
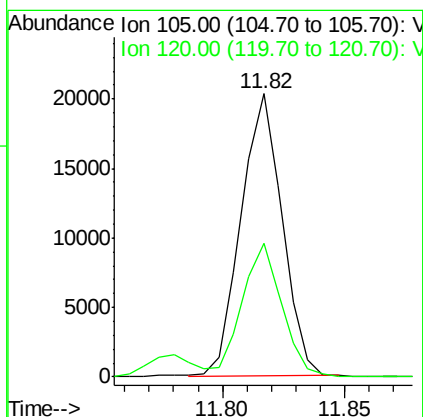
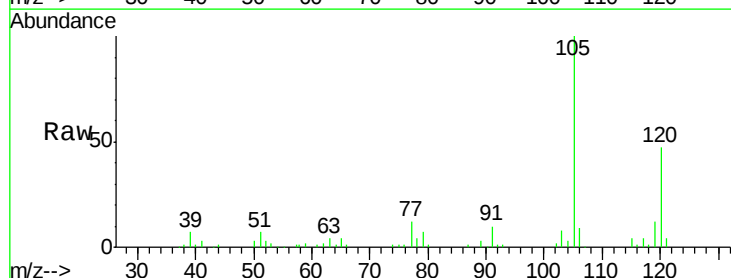
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

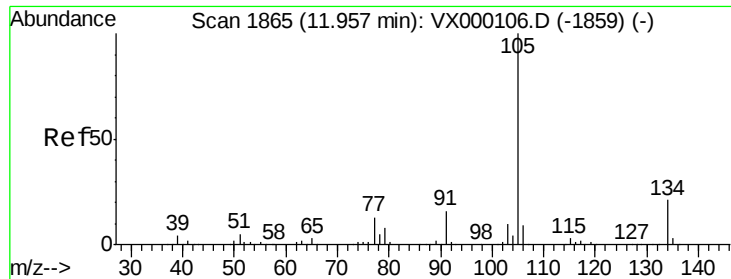
Tgt Ion:119 Resp: 25243
Ion Ratio Lower Upper
119 100
91 25.5 0.0 51.6
134 25.6 0.0 60.2



#80
1,2,4-Trimethylbenzene
Concen: 4.92 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:105 Resp: 23804
Ion Ratio Lower Upper
105 100
120 46.3 0.0 93.0

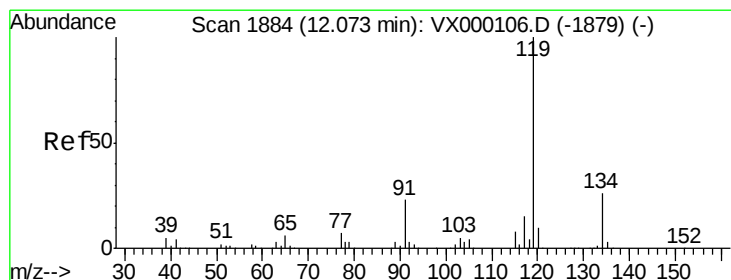
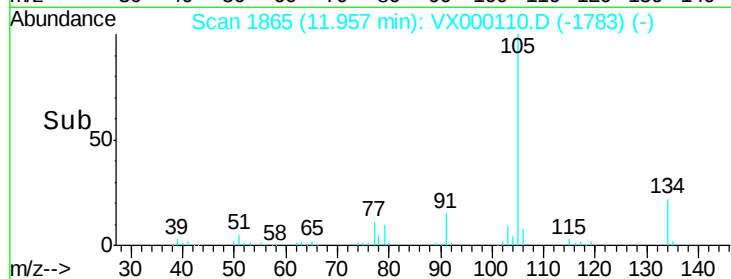
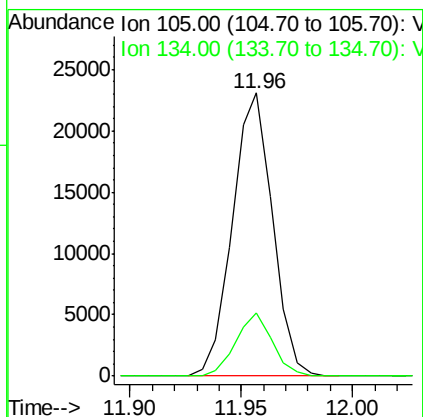
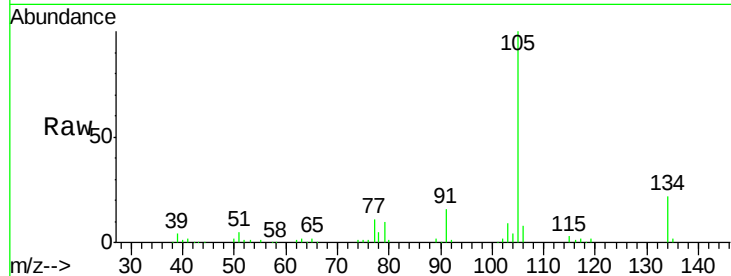




#81
 sec-Butylbenzene
 Concen: 4.97 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

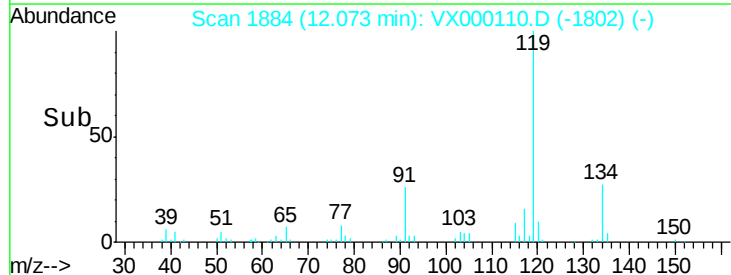
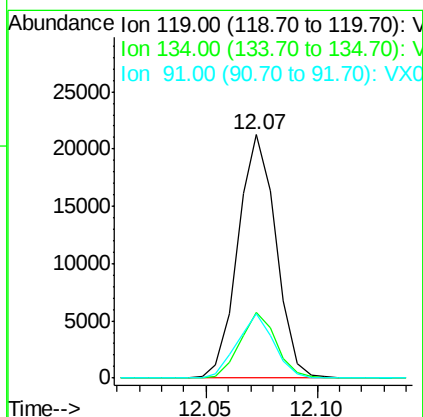
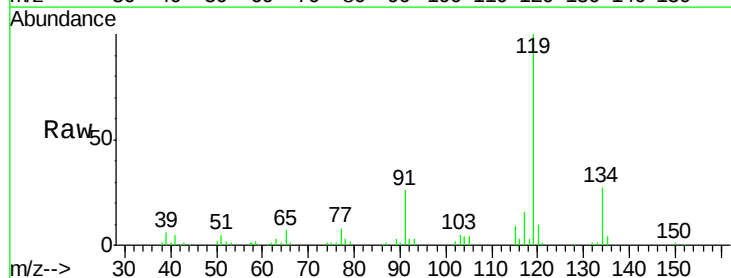
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

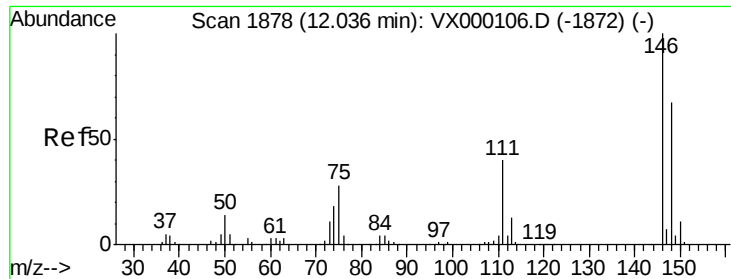
Tgt Ion:105 Resp: 28890
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 4.86 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion:119 Resp: 25243
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 54.4
 91 25.5 0.0 46.6

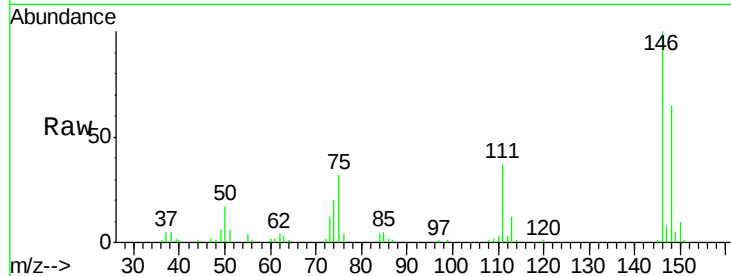




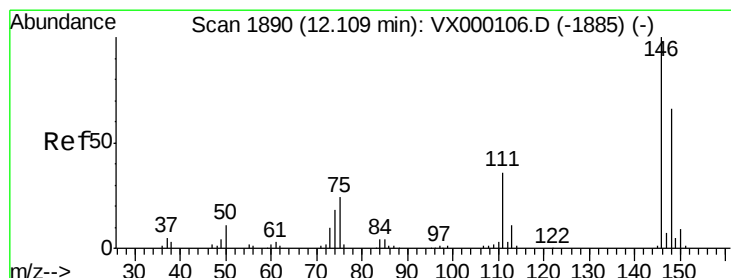
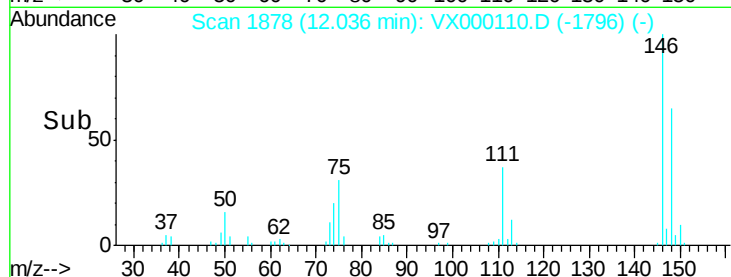
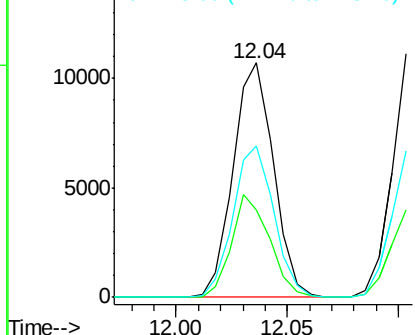
#83
 1,3-Dichlorobenzene
 Concen: 4.92 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tgt Ion:146 Resp: 13525
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.4 58.2
 148 65.4 32.6 97.7

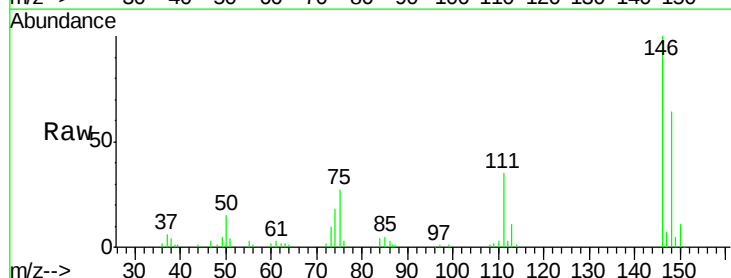


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

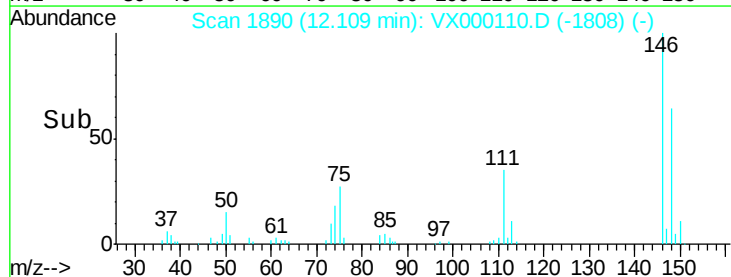
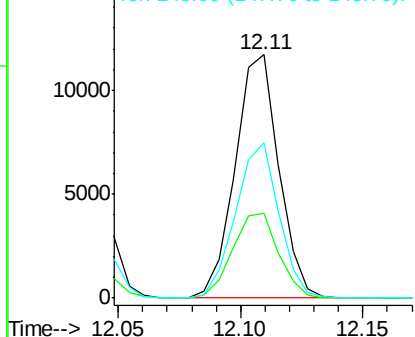


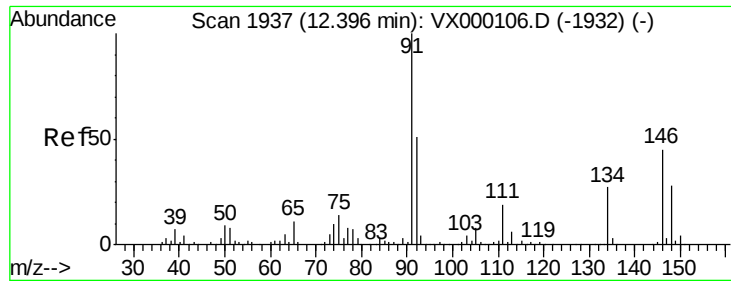
#84
 1,4-Dichlorobenzene
 Concen: 5.17 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion:146 Resp: 14619
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.0
 148 63.4 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

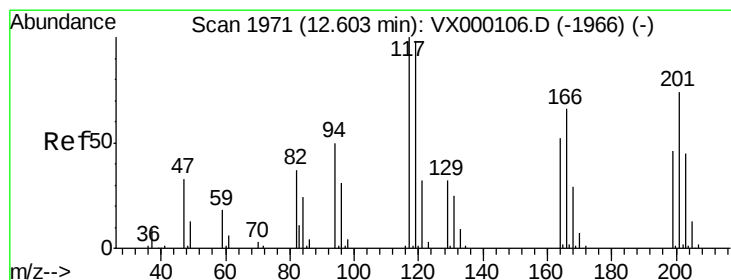
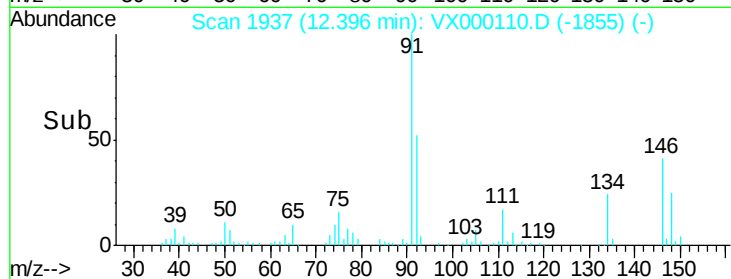
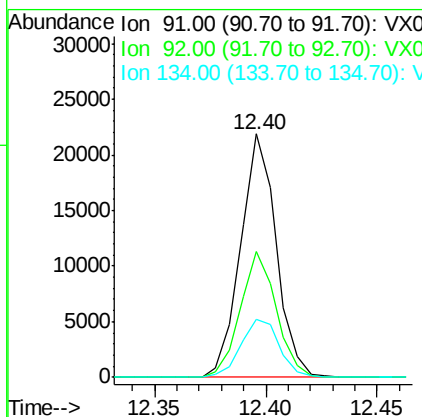
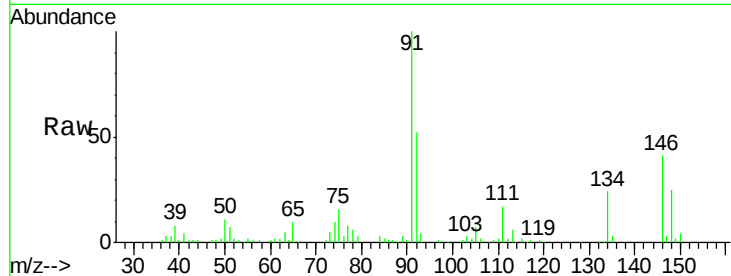




#85
n-Butylbenzene
Concen: 5.04 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

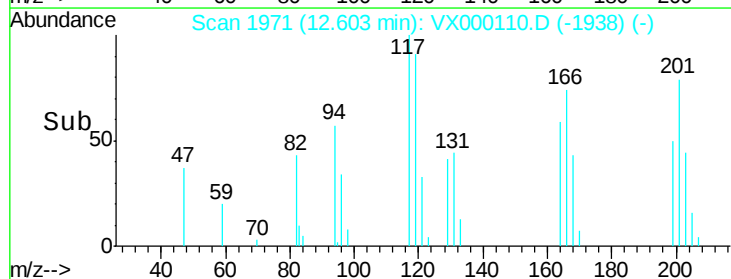
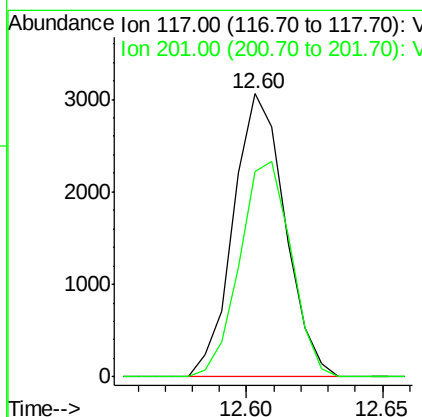
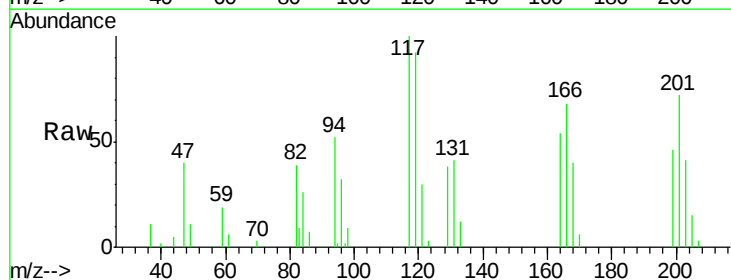
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 24455
Ion Ratio Lower Upper
91 100
92 51.9 0.0 102.0
134 25.8 0.0 54.2



#86
Hexachloroethane
Concen: 4.75 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 117 Resp: 4041
Ion Ratio Lower Upper
117 100
201 75.2 38.9 116.6

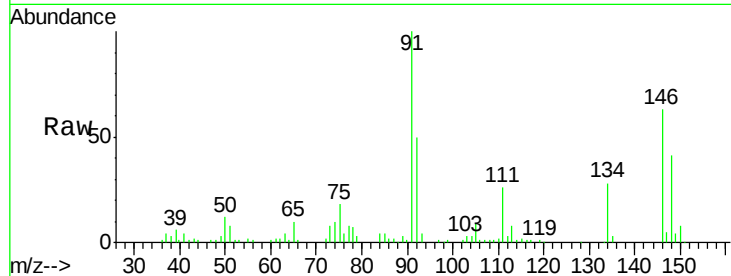




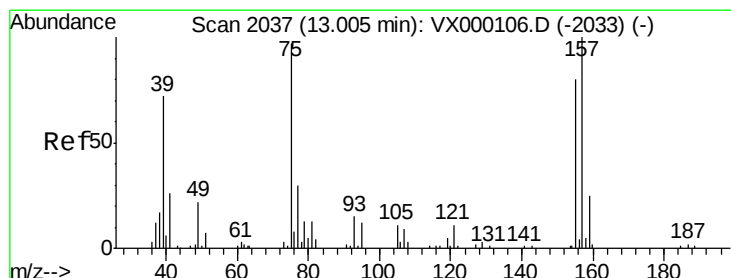
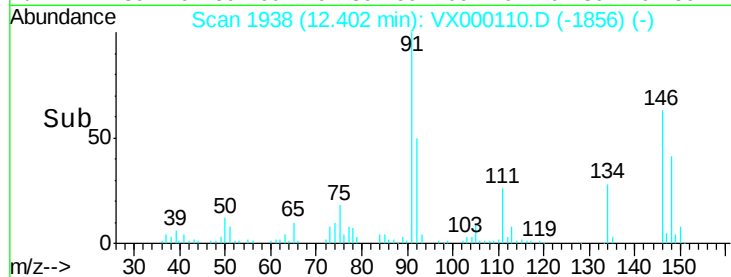
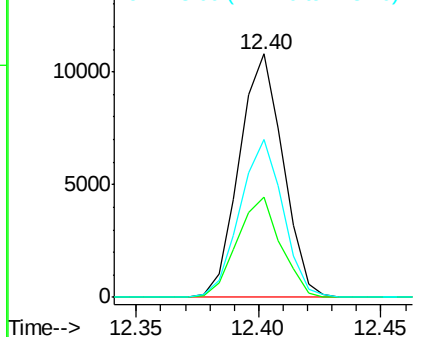
#87
 1,2-Dichlorobenzene
 Concen: 4.88 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion: 146 Resp: 13442
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.0 60.0
 148 63.7 31.6 95.0

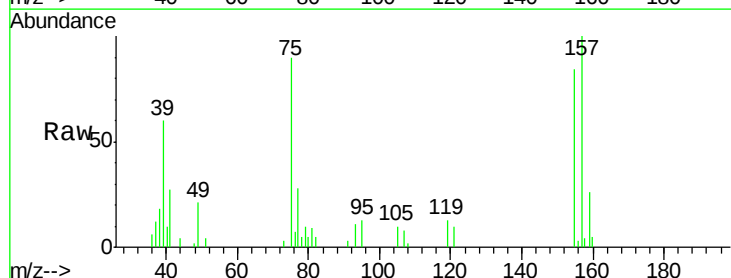


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

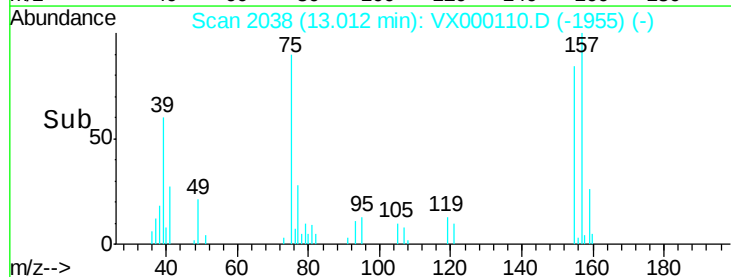
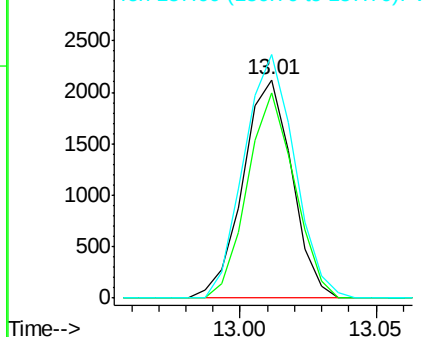


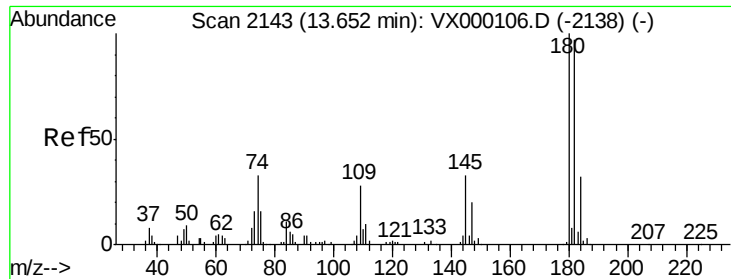
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.00 ug/l
 RT: 13.01 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion: 75 Resp: 2652
 Ion Ratio Lower Upper
 75 100
 155 90.2 75.1 112.7
 157 115.3 99.0 148.4



Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

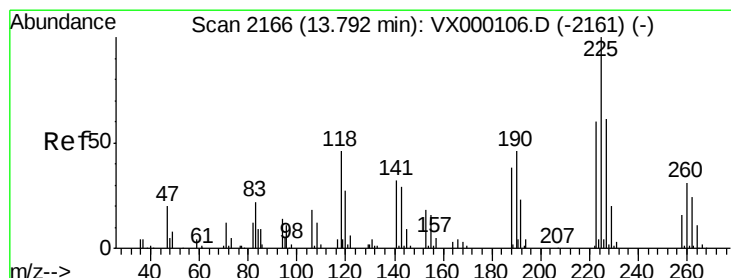
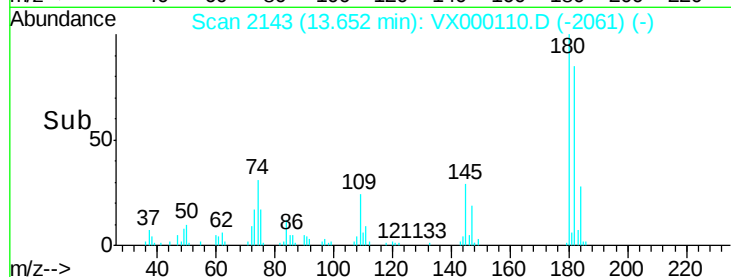
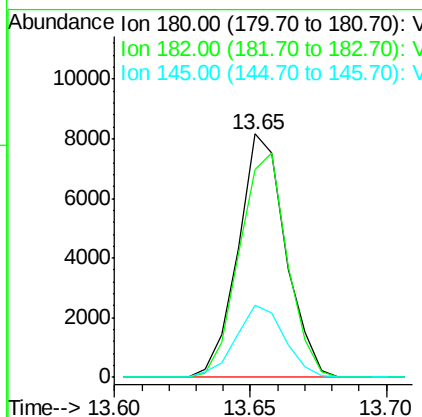
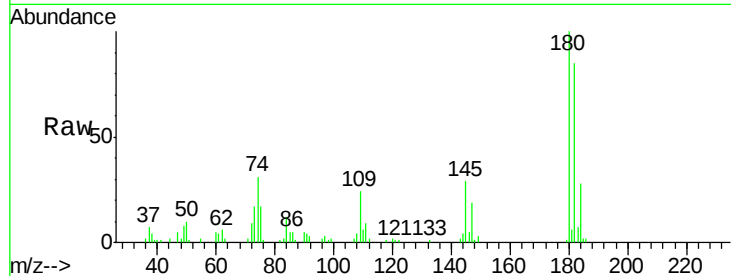




#89
 1,2,4-Trichlorobenzene
 Concen: 5.02 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

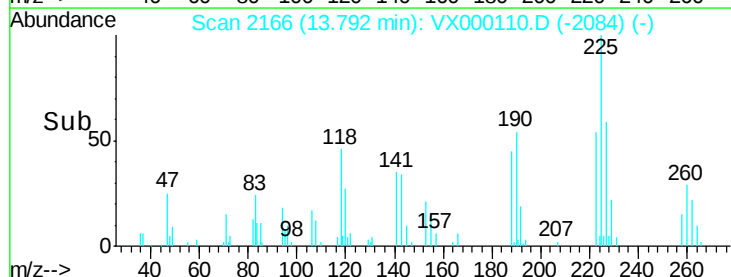
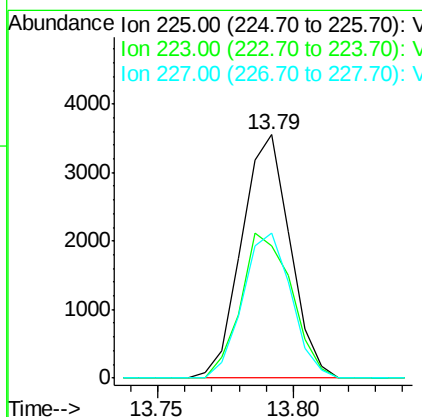
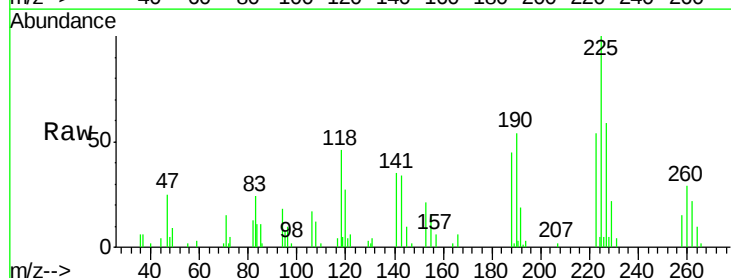
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

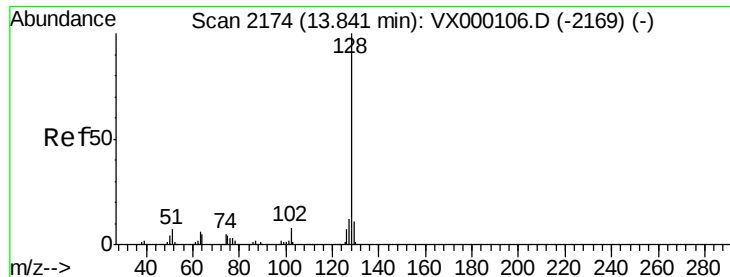
Tgt Ion:180 Resp: 9907
 Ion Ratio Lower Upper
 180 100
 182 92.5 76.3 114.5
 145 30.2 24.6 37.0



#90
 Hexachlorobutadiene
 Concen: 5.34 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000110.D
 Acq: 20 Feb 2018 16:04

Tgt Ion:225 Resp: 4390
 Ion Ratio Lower Upper
 225 100
 223 62.3 0.0 131.2
 227 59.4 0.0 127.6

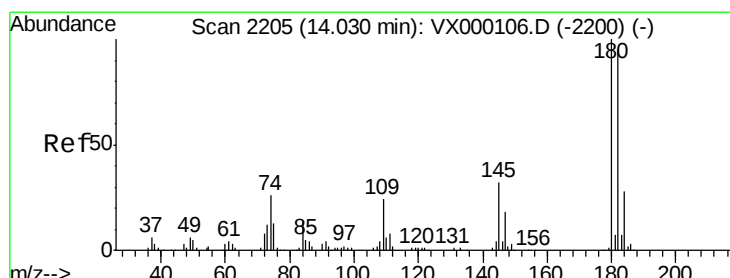
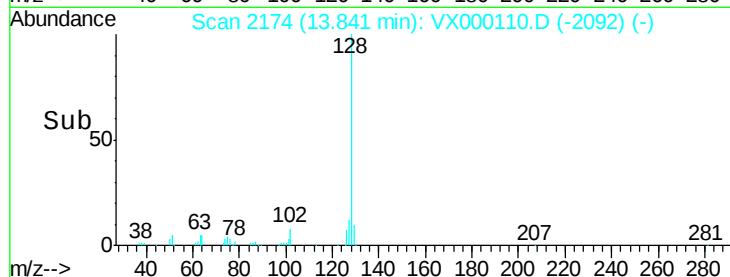
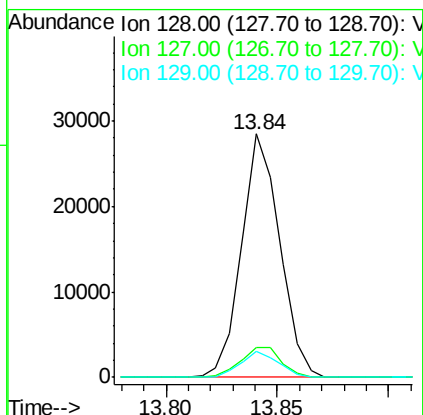
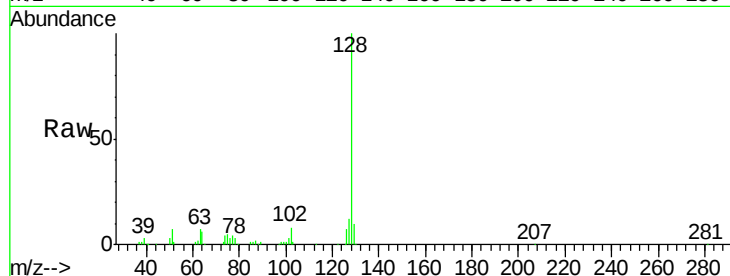




#91
Naphthalene
Concen: 4.83 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 34202
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.4 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 4.97 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:180 Resp: 9978
Ion Ratio Lower Upper
180 100
182 95.1 0.0 188.6
145 32.9 0.0 65.8

