

Data File : VX001706.D
Acq On : 14 May 2018 11:14
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 16 02:34:25 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 07:16:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	61355	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	327253	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	307403	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	128306	28.66	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.53%
60) 4-Bromofluorobenzene	11.14	95	139973	28.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.90%
63) Toluene-d8	8.72	98	404012	29.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.23%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79502	26.59	ug/l	99
3) Chloromethane	1.32	50	77797	23.50	ug/l	99
4) Vinyl Chloride	1.41	62	80857	23.40	ug/l	98
5) Bromomethane	1.65	94	43682	25.57	ug/l	97
6) Chloroethane	1.73	64	50466	21.93	ug/l	92
7) Trichlorofluoromethane	1.93	101	124669	25.11	ug/l	100
8) Diethyl Ether	2.19	74	46937	21.80	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	76449	27.71	ug/l	98
10) 1,1-Dichloroethene	2.38	96	67315	23.71	ug/l	98
11) Methyl Iodide	2.51	142	87210	21.14	ug/l	99
12) Methyl Acetate	2.78	43	92619	19.18	ug/l	99
13) Acrolein	2.29	56	53182	97.14	ug/l	99
14) Acrylonitrile	3.15	53	186084	96.48	ug/l	99
15) Acetone	2.45	58	55364	106.85	ug/l	98
16) Carbon Disulfide	2.57	76	170409	24.23	ug/l	99
17) Allyl chloride	2.73	41	124541	22.99	ug/l	95
18) Methylene Chloride	2.86	84	74633	22.27	ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	72094	23.39	ug/l	98
20) Diisopropyl ether	3.87	45	233334	23.06	ug/l	97
21) 1,1-Dichloroethane	3.70	63	131977	22.68	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	81716	23.51	ug/l	97
23) tert-Butyl Alcohol	3.06	59	77640	90.47	ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	221682	21.49	ug/l	99
25) Chloroform	5.21	83	137001	22.85	ug/l	96
26) Cyclohexane	5.58	56	117582	27.69	ug/l	# 100
29) 1,1-Dichloropropene	5.80	75	100583	24.47	ug/l	98
30) 2-Butanone	4.70	43	257204	94.81	ug/l	100
31) 2,2-Dichloropropane	4.59	77	109395	30.95	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	121661	23.27	ug/l	99
33) Carbon Tetrachloride	5.79	117	110796	24.06	ug/l	100
34) Benzene	6.15	78	300045	22.82	ug/l	98
35) Methacrylonitrile	5.06	41	55440	18.85	ug/l	96
36) 1,2-Dichloroethane	6.20	62	111549	21.45	ug/l	99
37) Trichloroethene	7.21	130	94854	24.48	ug/l	98
38) Methylcyclohexane	7.46	83	125590	28.57	ug/l	99
39) 1,2-Dichloropropane	7.52	63	73432	22.28	ug/l	99
40) Dibromomethane	7.67	93	51390	21.76	ug/l	97

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ClientSampleId :

Quant Time: May 16 02:34:25 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri May 11 07:16:13 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	98305	22.13	ug/l	98
42) Vinyl Acetate	3.82	43	966431	108.00	ug/l	99
43) Ethyl Acetate	4.85	43	98126	18.98	ug/l	98
44) Isopropyl Acetate	6.47	43	154275	19.48	ug/l	99
45) 1,4-Dioxane	7.76	88	34739	374.17	ug/l	98
46) Methyl methacrylate	7.78	41	83098	19.43	ug/l	96
47) n-amyl Acetate	10.90	43	129496	19.15	ug/l	98
48) t-1,3-Dichloropropene	8.44	75	114686	23.39	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	103937	23.99	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	78523	22.46	ug/l	98
51) Ethyl methacrylate	9.18	69	104238	20.68	ug/l	98
52) 1,3-Dichloropropane	9.38	76	129678	22.51	ug/l	98
53) Dibromochloromethane	9.59	129	77616	21.37	ug/l	99
54) 1,2-Dibromoethane	9.68	107	77543	21.02	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	242121	90.34	ug/l	100
56) Bromoform	10.86	173	59889	20.17	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	506242	91.56	ug/l	99
59) 2-Hexanone	9.50	43	386649	93.34	ug/l	100
61) Tetrachloroethene	9.34	164	114752	25.66	ug/l	100
62) Toluene	8.79	91	340013	22.99	ug/l	100
64) Chlorobenzene	10.14	112	228739	23.54	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	83890	22.85	ug/l	100
66) Ethyl Benzene	10.26	91	375014	24.44	ug/l	99
67) m/p-Xylenes	10.37	106	305161	49.80	ug/l	99
68) o-Xylene	10.70	106	143615	23.69	ug/l	99
69) Styrene	10.71	104	238587	23.85	ug/l	99
70) Isopropylbenzene	11.02	105	369778	23.68	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	98221	18.75	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	116945	23.04	ug/l	93
73) Bromobenzene	11.26	156	103552	21.88	ug/l	99
74) n-propylbenzene	11.37	91	426270	24.79	ug/l	100
75) 2-Chlorotoluene	11.43	91	248743	23.07	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	309947	23.58	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	27321	20.93	ug/l	91
78) 4-Chlorotoluene	11.51	91	290084	23.66	ug/l	100
79) tert-butylbenzene	12.07	119	357086	25.68	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	319057	23.78	ug/l	100
81) sec-Butylbenzene	11.95	105	380586	25.00	ug/l	100
82) p-Isopropyltoluene	12.07	119	357086	25.68	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	193327	23.42	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	197448	23.80	ug/l	98
85) n-Butylbenzene	12.39	91	295020	26.68	ug/l	99
86) Hexachloroethane	12.60	117	51518	23.35	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	191107	22.33	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	21201	17.37	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	149338	24.56	ug/l	100
90) Hexachlorobutadiene	13.79	225	82364	26.47	ug/l	98
91) Naphthalene	13.84	128	376556	20.68	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	150818	23.45	ug/l	99

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051418\
Quantitation Report (Not Reviewed)

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

Data File : VX001706.D

Acq On : 14 May 2018 11:14

Operator : JC/MD

Sample : VSTDCCC020

Misc : 5.0mL/MSV0A_X/WATER

ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

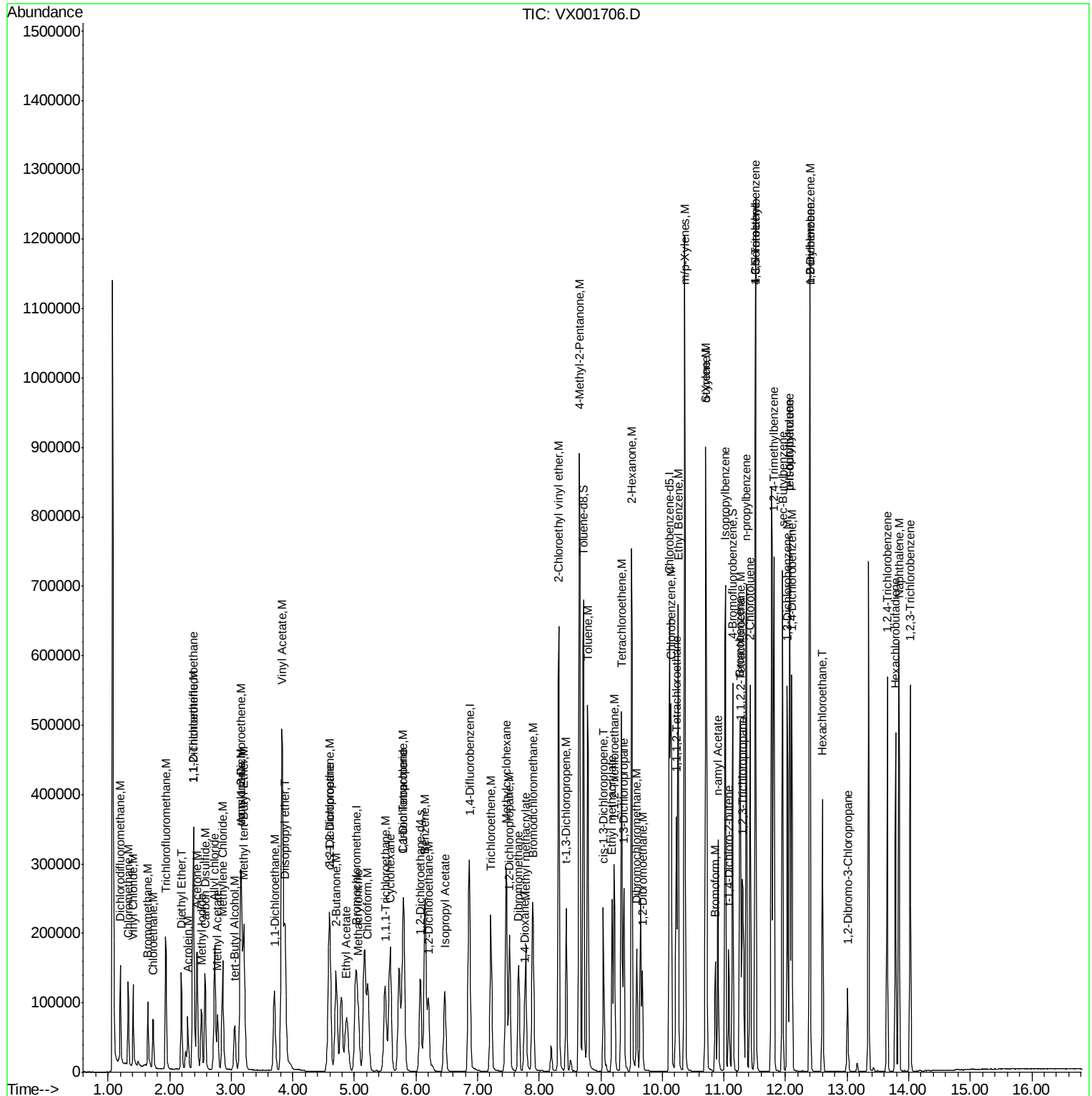
Quant Time: May 16 02:34:25 2018

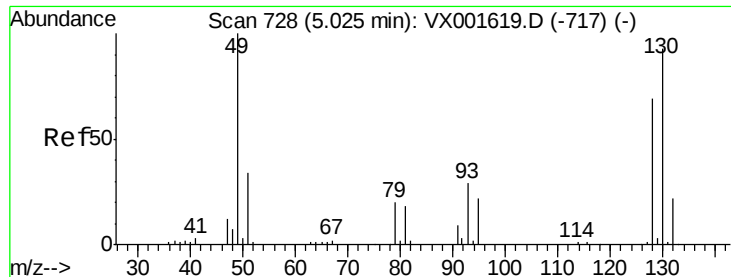
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri May 11 07:16:13 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

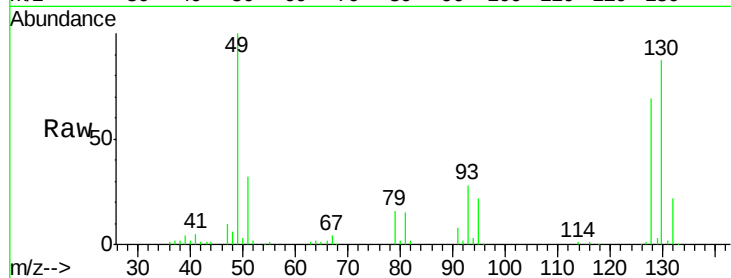
Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :



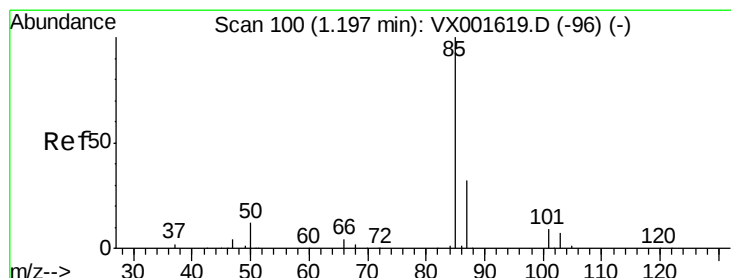
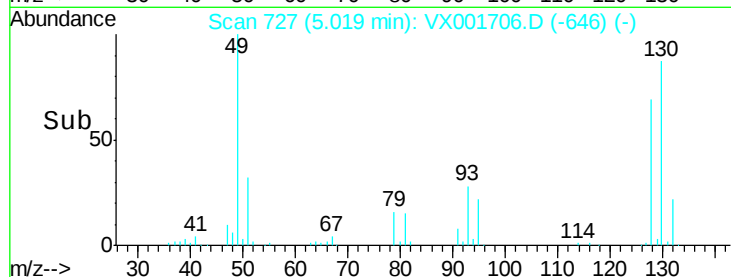
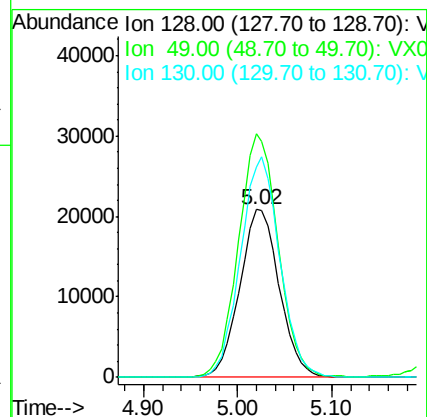
Tgt Ion:128 Resp: 61355

Ion Ratio Lower Upper

128 100

49 146.0 0.0 372.0

130 130.7 0.0 326.5



#2

Dichlorodifluoromethane

Concen: 26.59 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001706.D

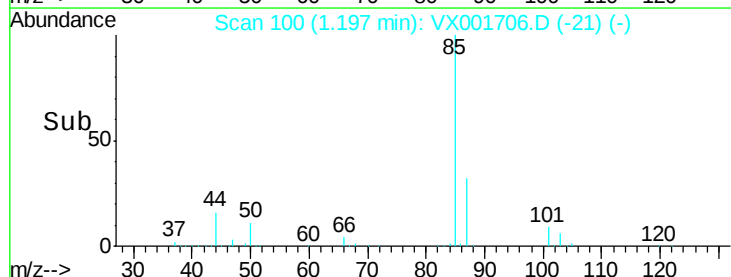
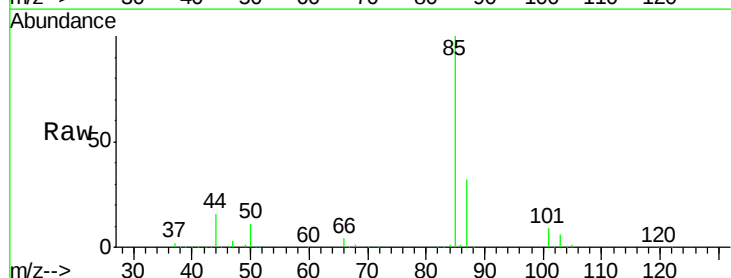
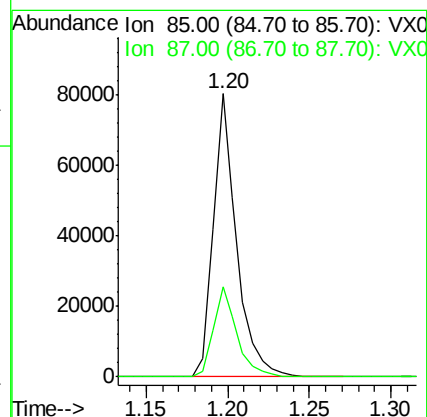
Acq: 14 May 2018 11:14

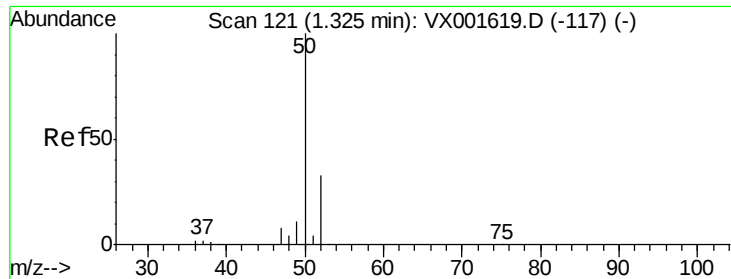
Tgt Ion: 85 Resp: 79502

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8





#3

Chloromethane

Concen: 23.50 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

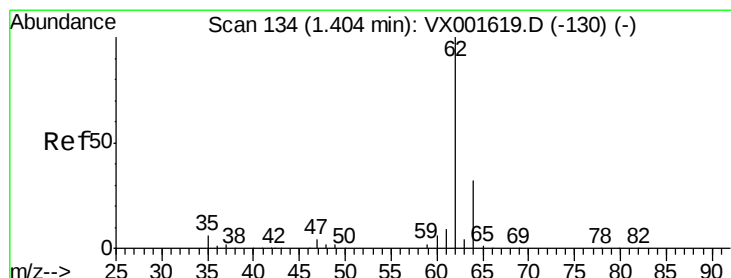
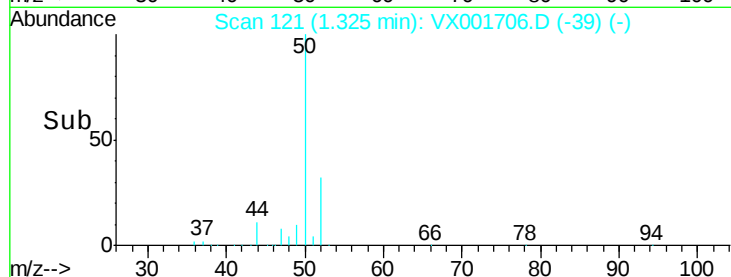
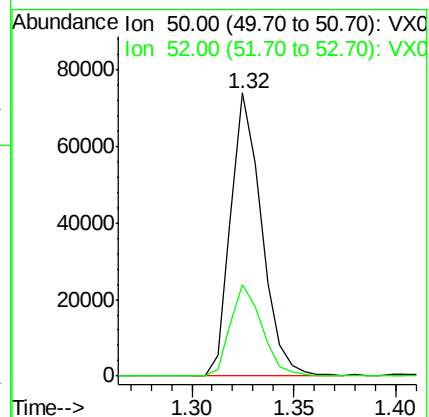
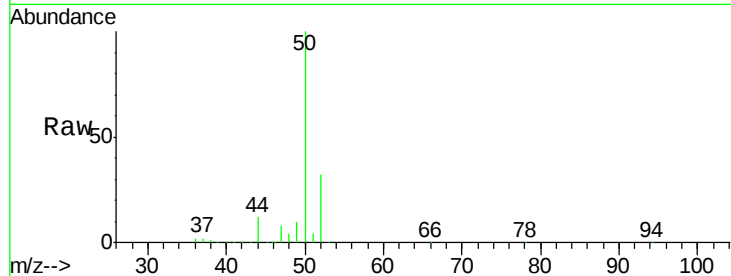
ClientSampleId :

Tgt Ion: 50 Resp: 77797

Ion Ratio Lower Upper

50 100

52 32.2 26.4 39.6



#4

Vinyl Chloride

Concen: 23.40 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX001706.D

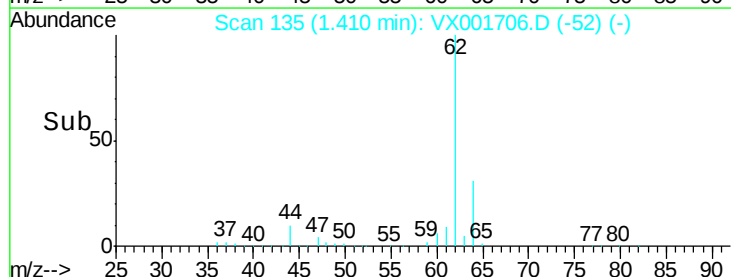
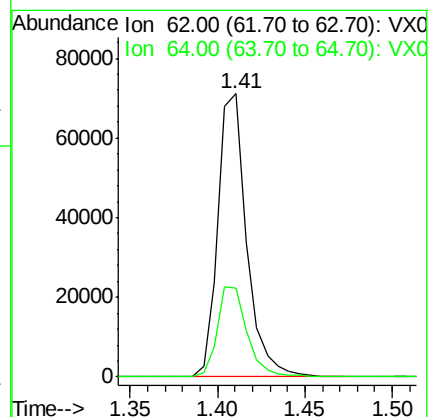
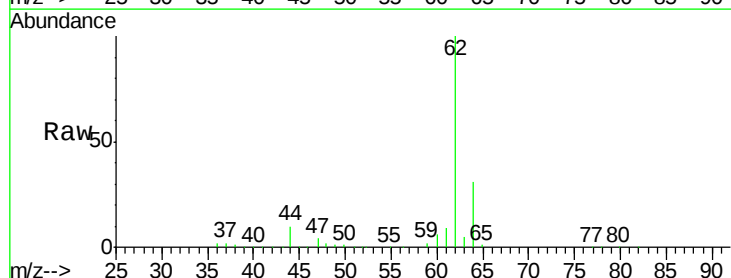
Acq: 14 May 2018 11:14

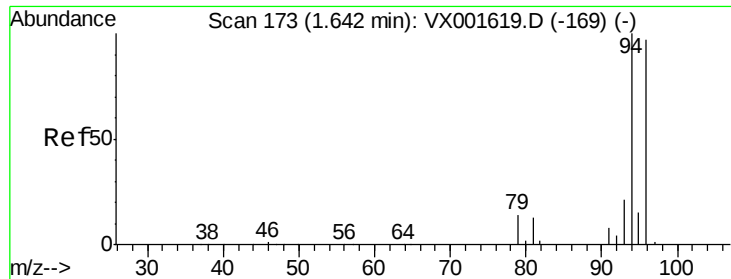
Tgt Ion: 62 Resp: 80857

Ion Ratio Lower Upper

62 100

64 31.3 25.9 38.9

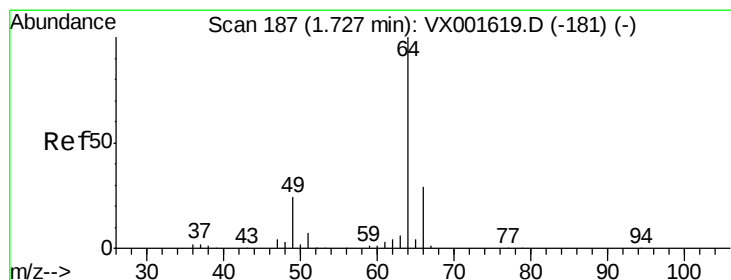
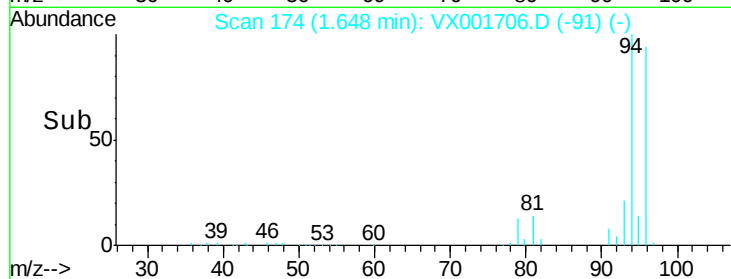
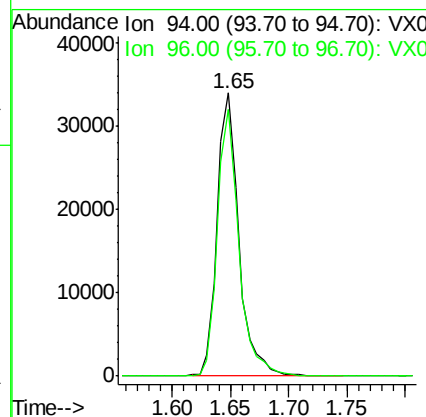
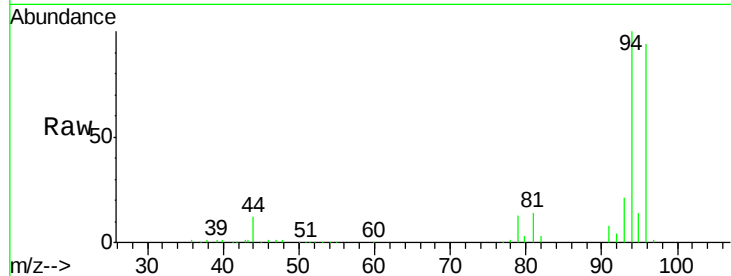




#5
Bromomethane
Concen: 25.57 ug/l
RT: 1.65 min Scan# 174
Delta R.T. 0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

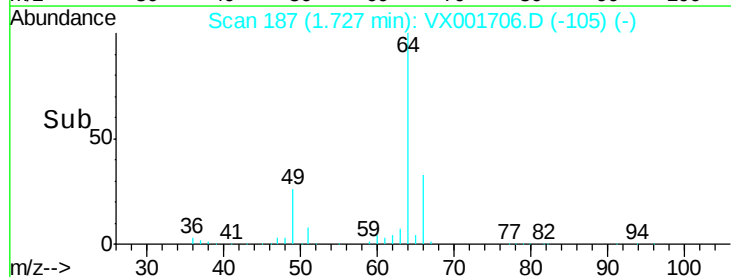
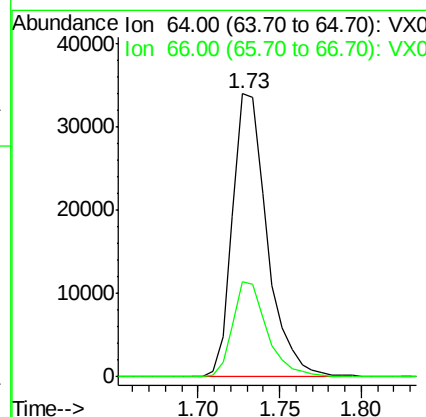
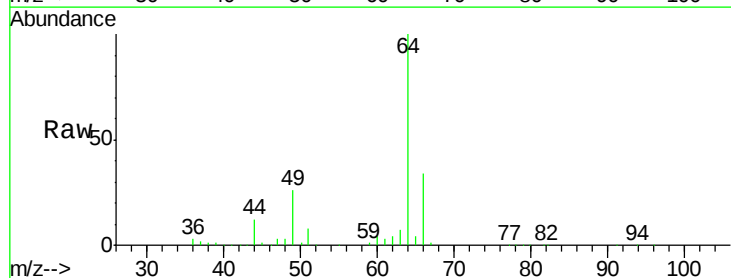
Instrument :
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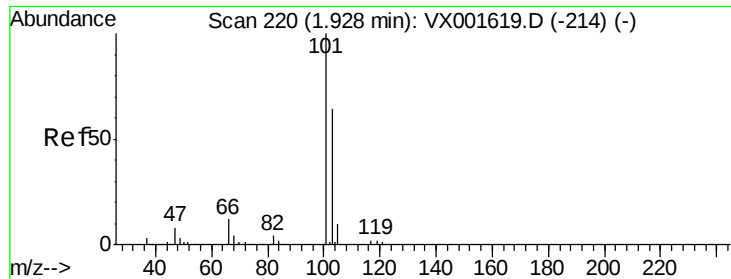
Tgt Ion: 94 Resp: 43682
Ion Ratio Lower Upper
94 100
96 94.3 77.8 116.8



#6
Chloroethane
Concen: 21.93 ug/l
RT: 1.73 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 64 Resp: 50466
Ion Ratio Lower Upper
64 100
66 33.6 23.4 35.2



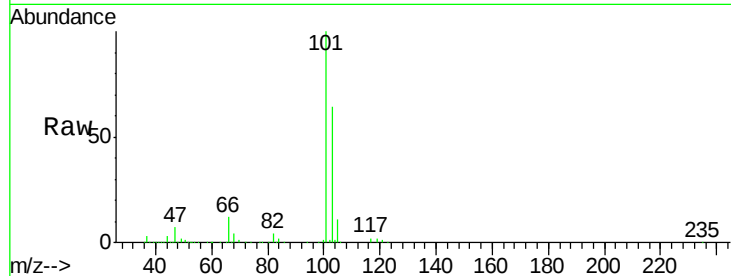


#7

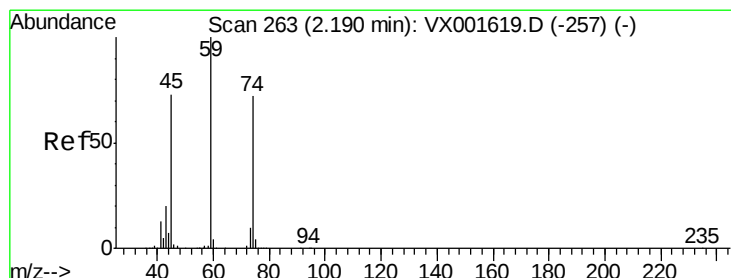
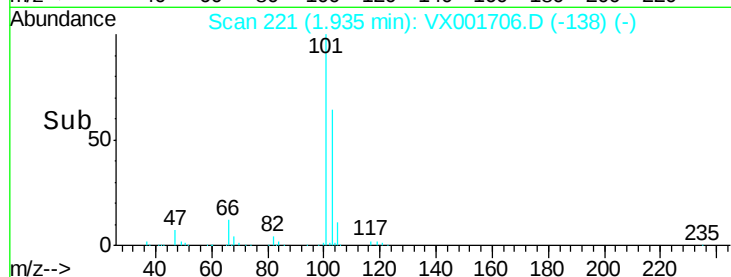
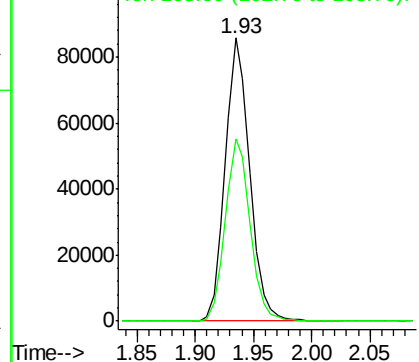
Trichlorofluoromethane
Concen: 25.11 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 101 Resp: 124669
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0



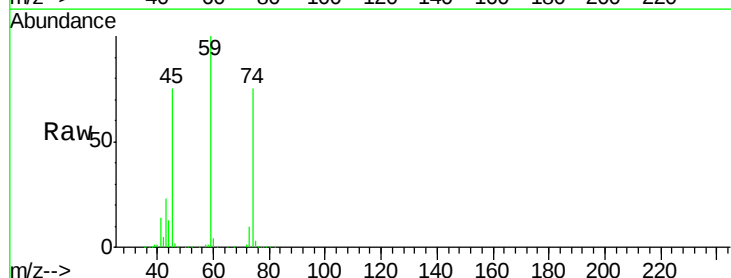
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



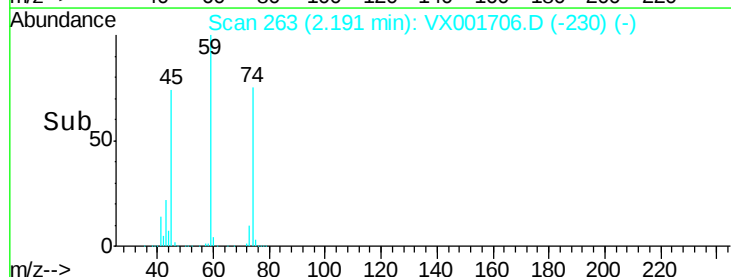
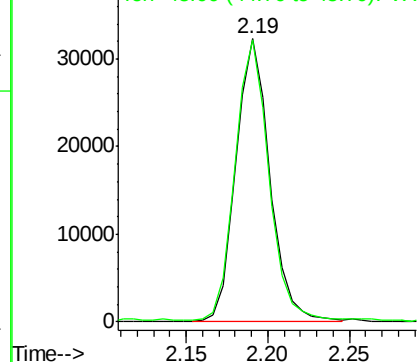
#8

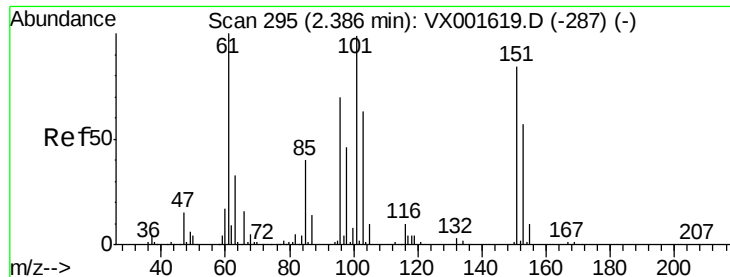
Diethyl Ether
Concen: 21.80 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 74 Resp: 46937
Ion Ratio Lower Upper
74 100
45 98.0 19.4 174.2



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: 27.71 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

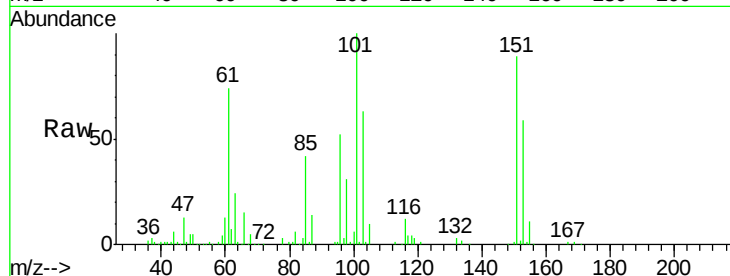
Tgt Ion:101 Resp: 76449

Ion Ratio Lower Upper

101 100

85 41.9 0.0 84.0

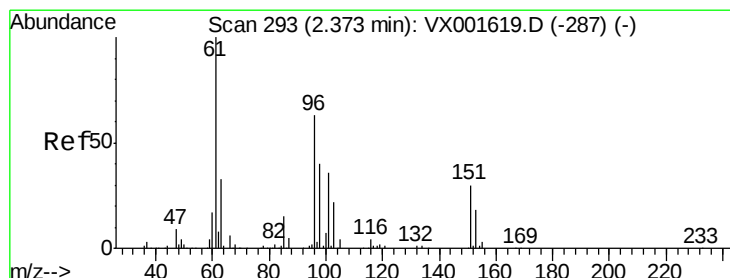
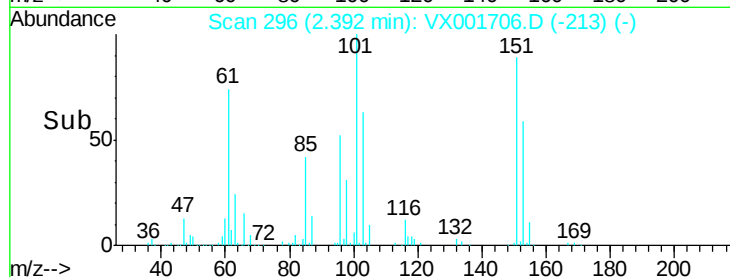
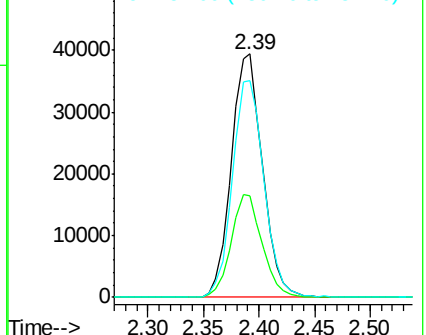
151 90.3 0.0 176.4



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: 23.71 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

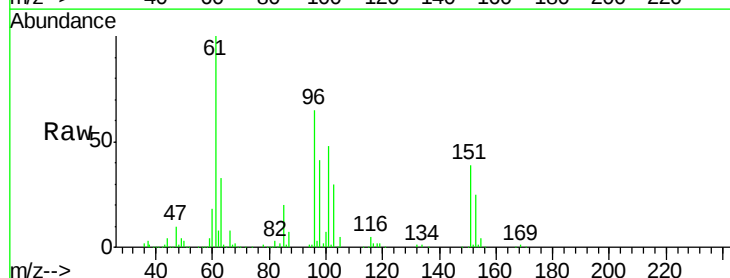
Tgt Ion: 96 Resp: 67315

Ion Ratio Lower Upper

96 100

61 153.8 126.5 189.7

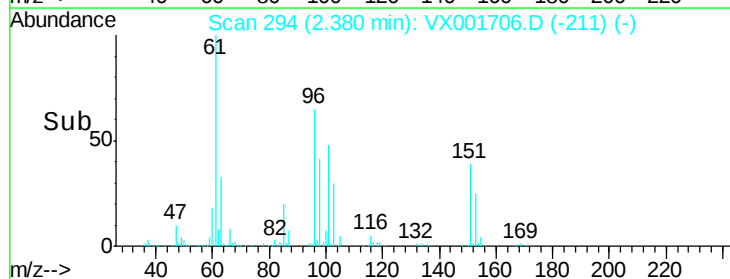
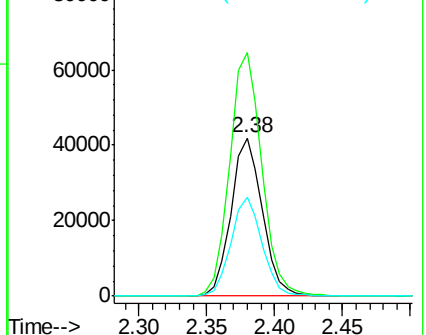
98 62.9 50.6 75.8

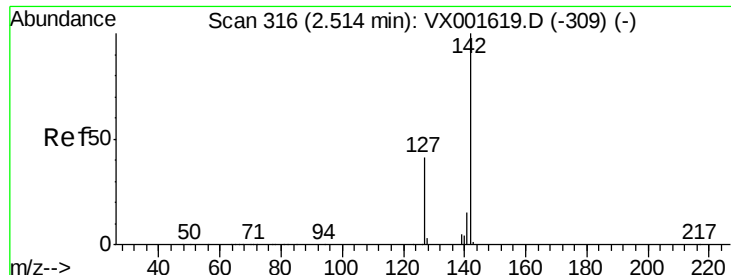


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

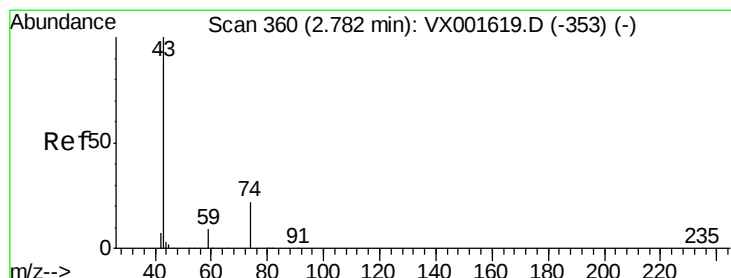
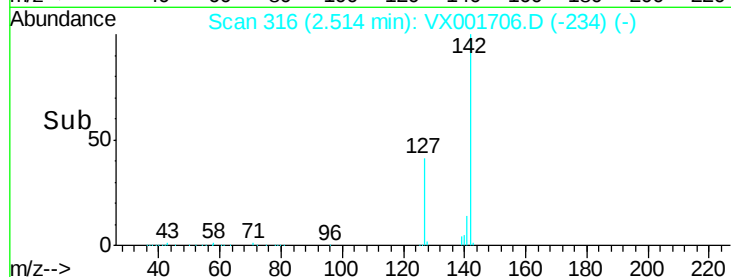
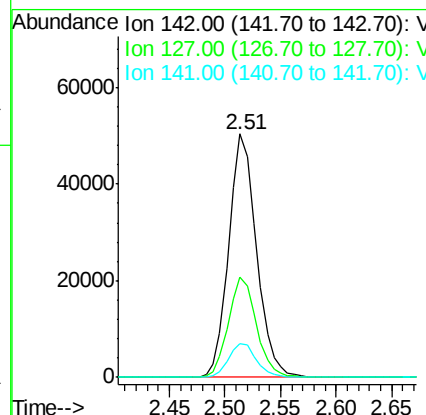
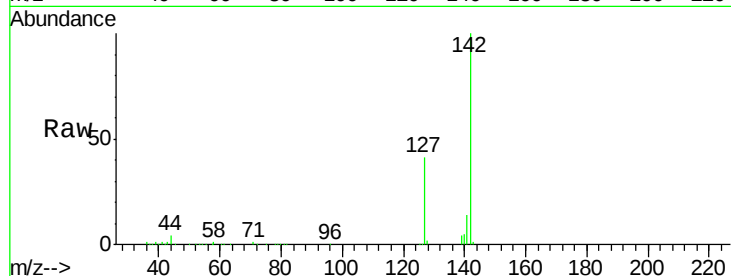




#11
Methyl Iodide
Concen: 21.14 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

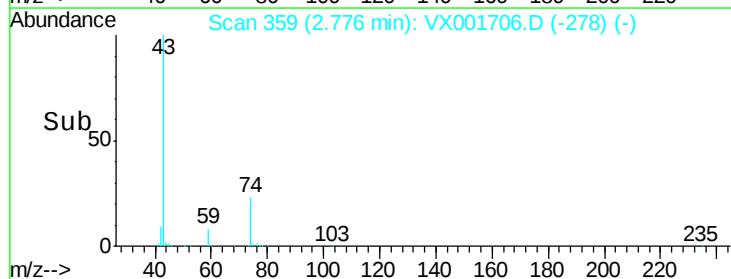
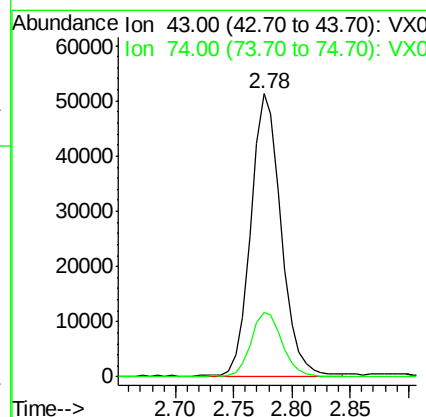
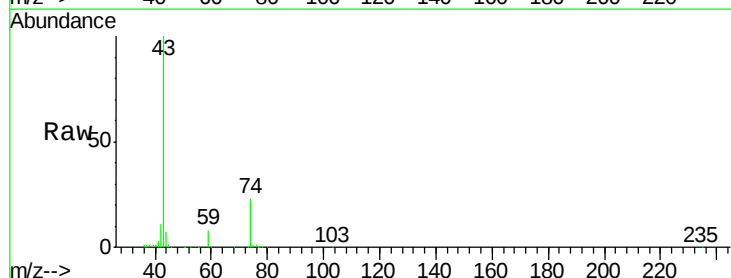
Instrument :
MSVOA_X
ClientSampleId :

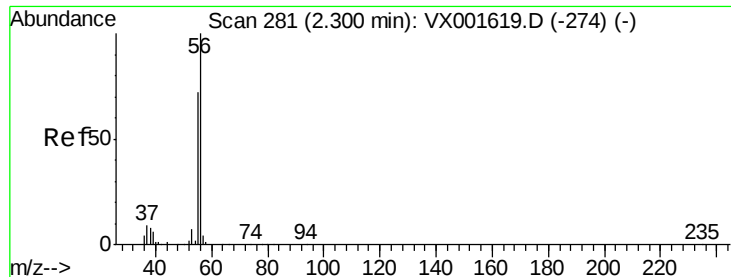
Tgt Ion:142 Resp: 87210
Ion Ratio Lower Upper
142 100
127 41.3 20.7 62.1
141 13.8 7.4 22.3



#12
Methyl Acetate
Concen: 19.18 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 43 Resp: 92619
Ion Ratio Lower Upper
43 100
74 23.0 18.0 27.0





#13

Acrolein

Concen: 97.14 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

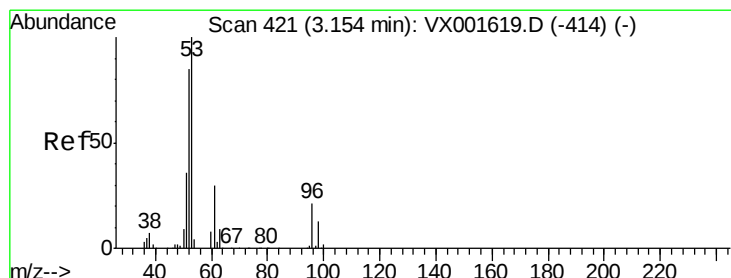
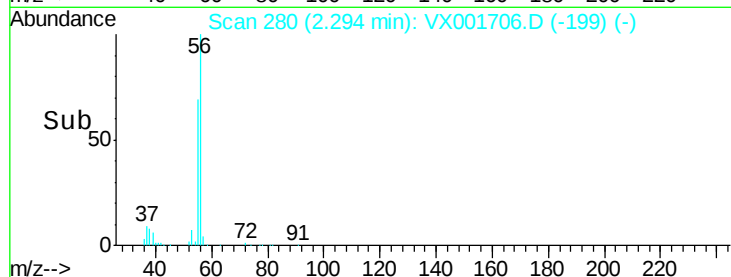
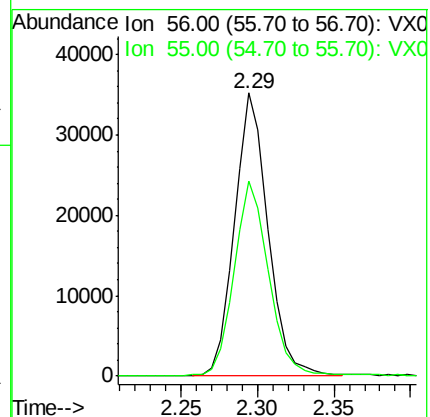
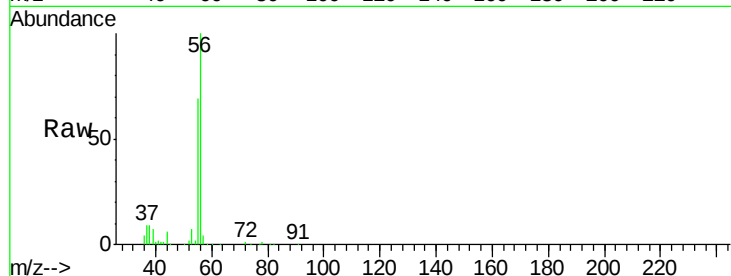
ClientSampleId :

Tgt Ion: 56 Resp: 53182

Ion Ratio Lower Upper

56 100

55 71.6 56.9 85.3



#14

Acrylonitrile

Concen: 96.48 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

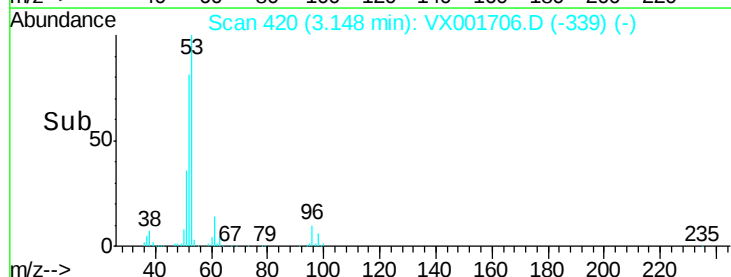
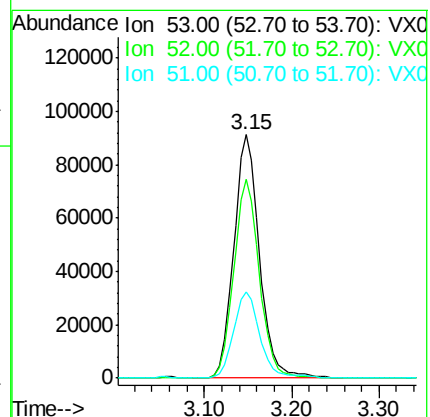
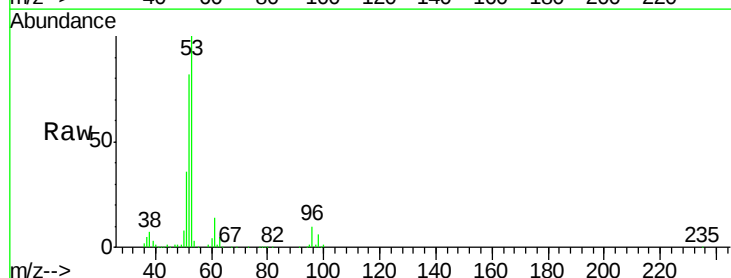
Tgt Ion: 53 Resp: 186084

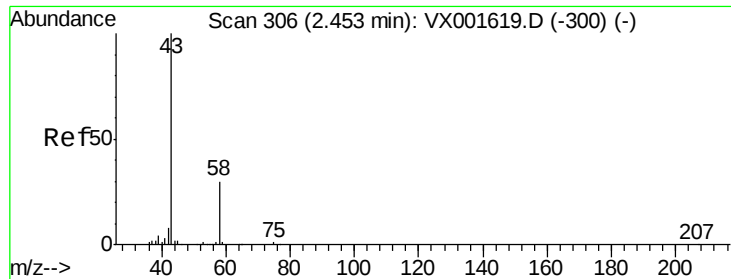
Ion Ratio Lower Upper

53 100

52 80.9 41.3 123.9

51 36.3 18.1 54.3





#15

Acetone

Concen: 106.85 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

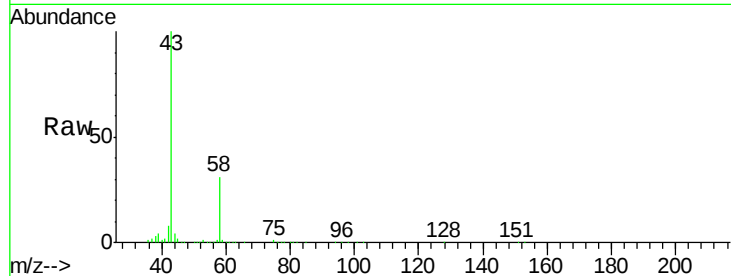
ClientSampleId :

Tgt Ion: 58 Resp: 55364

Ion Ratio Lower Upper

58 100

43 326.1 264.2 396.2



Abundance Ion 58.00 (57.70 to 58.70): VX001619.D (-300) (-)

Ion 43.00 (42.70 to 43.70): VX001619.D (-300) (-)

120000

100000

80000

60000

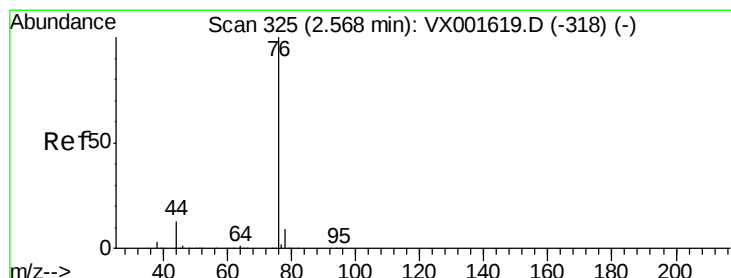
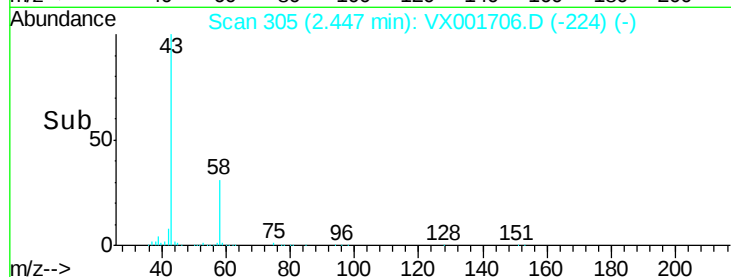
40000

20000

0

2.40 2.45 2.50

Time-->



#16

Carbon Disulfide

Concen: 24.23 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001706.D

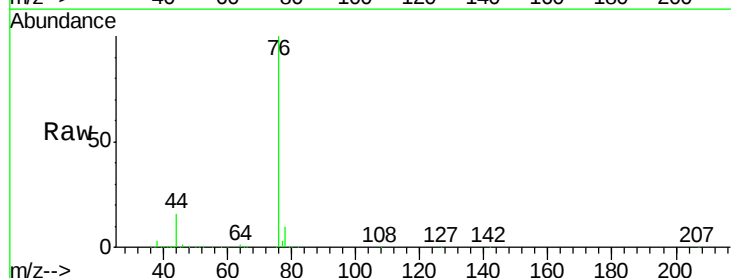
Acq: 14 May 2018 11:14

Tgt Ion: 76 Resp: 170409

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX001619.D (-318) (-)

Ion 78.00 (77.70 to 78.70): VX001619.D (-318) (-)

120000

100000

80000

60000

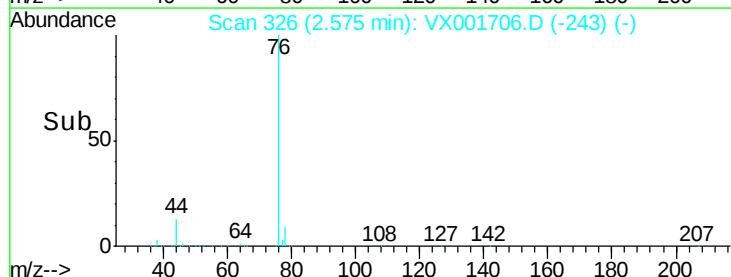
40000

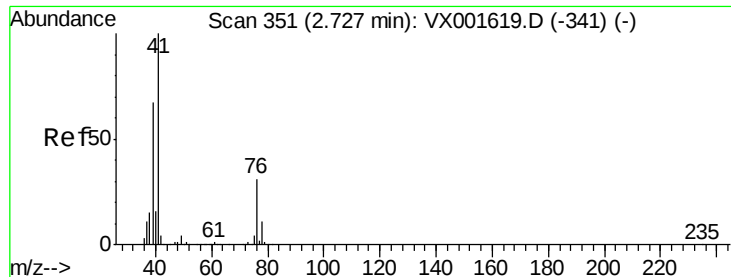
20000

0

2.50 2.55 2.60 2.65 2.70

Time-->





#17

Allyl chloride

Concen: 22.99 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

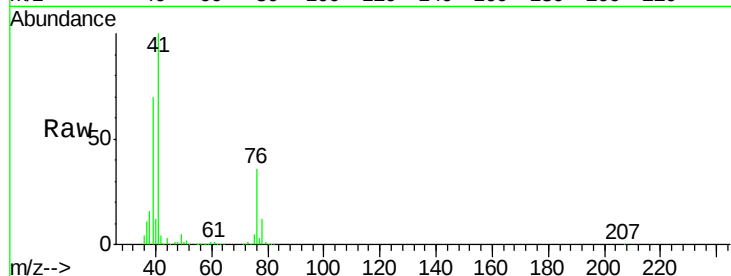
Tgt Ion: 41 Resp: 124541

Ion Ratio Lower Upper

41 100

39 70.2 33.7 101.1

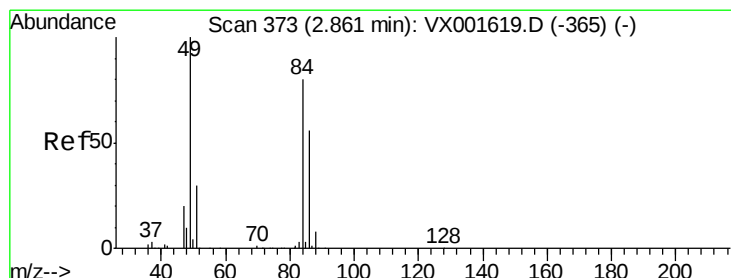
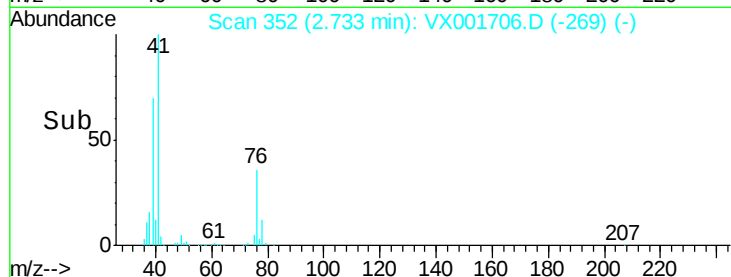
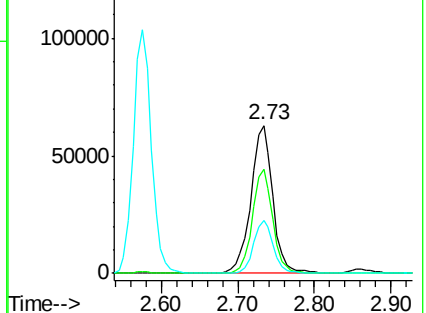
76 35.6 15.4 46.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 22.27 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Tgt Ion: 84 Resp: 74633

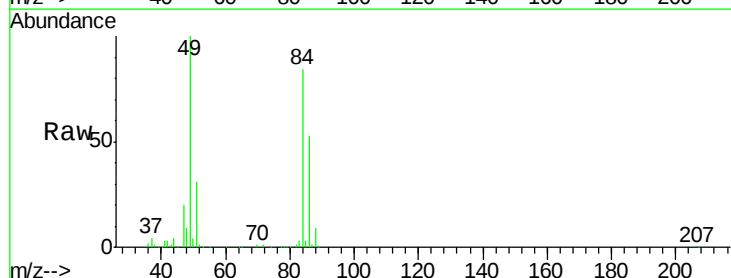
Ion Ratio Lower Upper

84 100

49 119.2 99.5 149.3

51 36.7 30.1 45.1

86 63.7 55.4 83.2

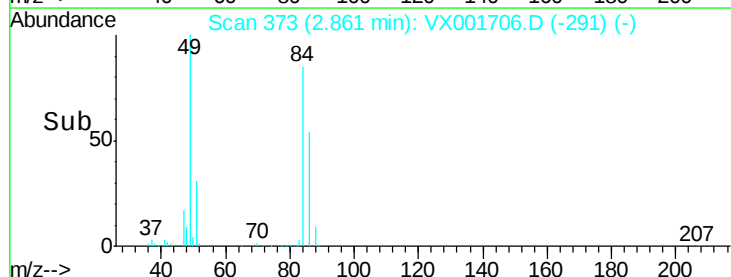
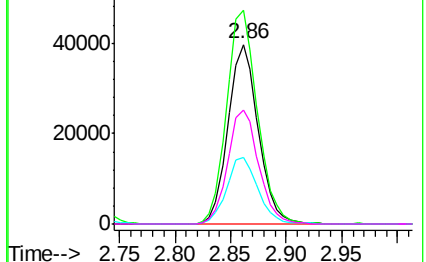


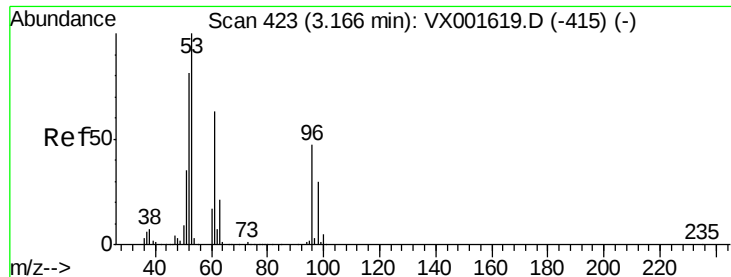
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 23.39 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

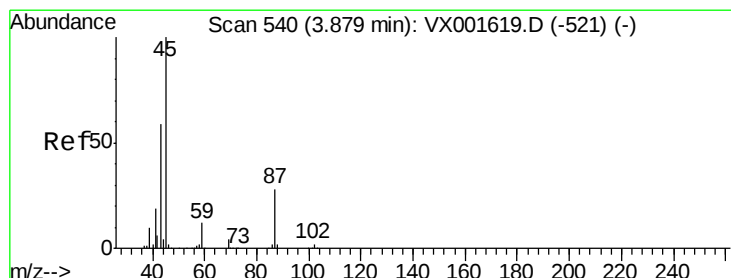
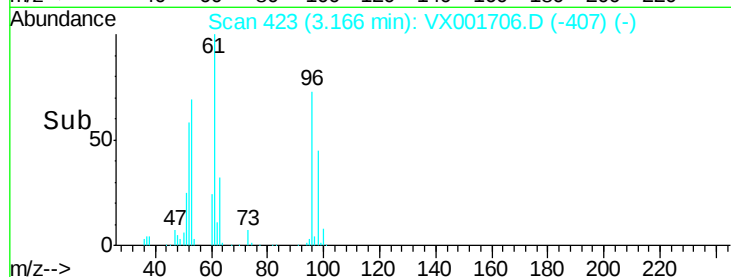
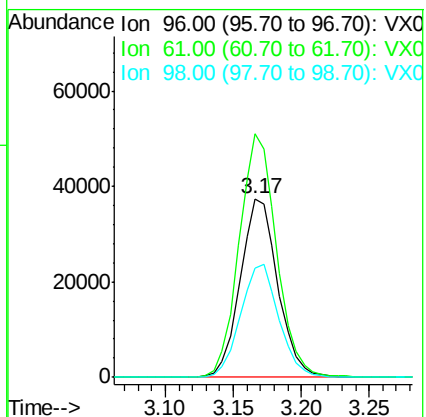
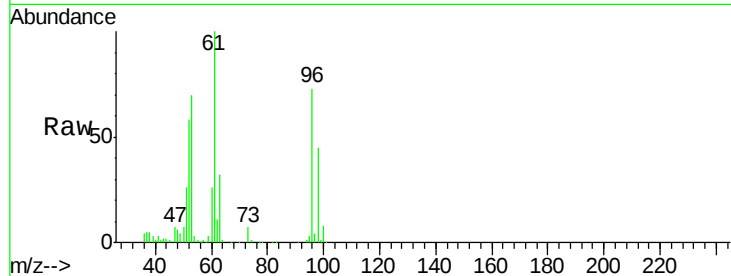
Tgt Ion: 96 Resp: 72094

Ion Ratio Lower Upper

96 100

61 136.5 107.7 161.5

98 61.2 51.6 77.4



#20

Diisopropyl ether

Concen: 23.06 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Tgt Ion: 45 Resp: 233334

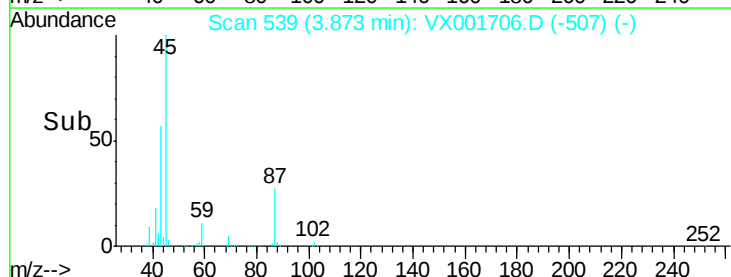
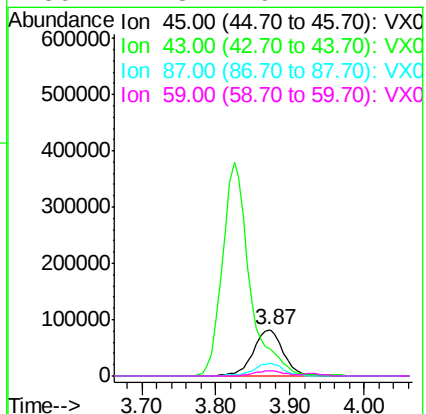
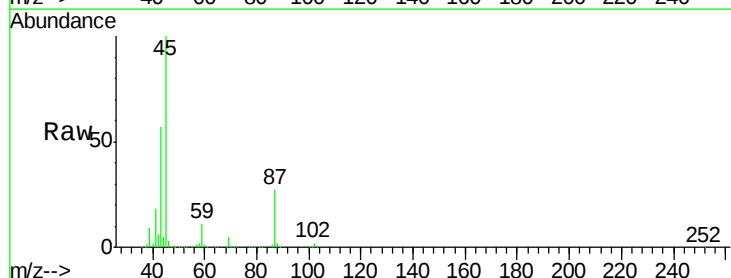
Ion Ratio Lower Upper

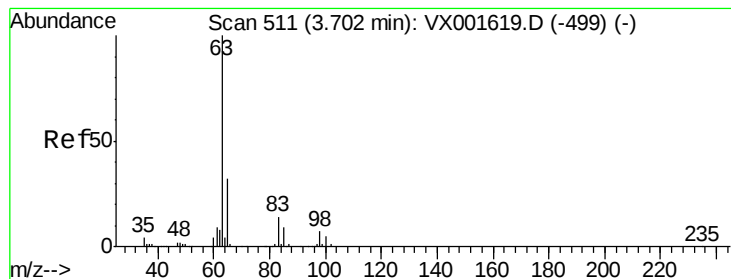
45 100

43 56.8 47.5 71.3

87 27.1 22.2 33.4

59 11.3 9.4 14.2





#21

1,1-Dichloroethane

Concen: 22.68 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

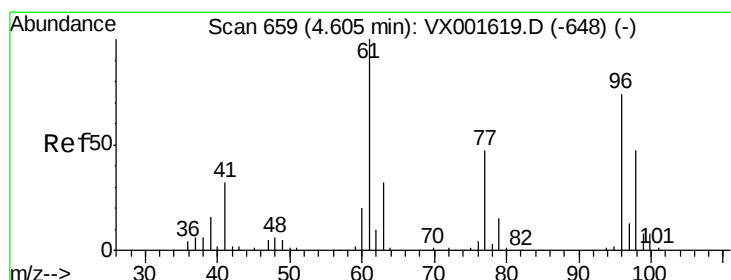
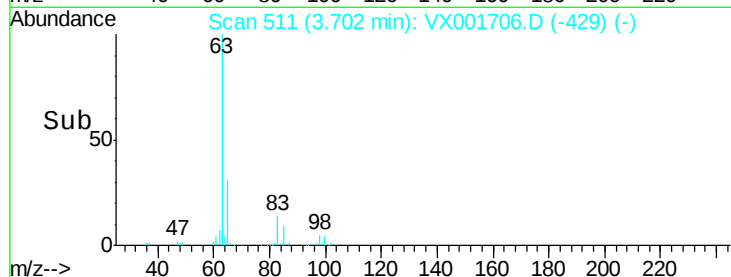
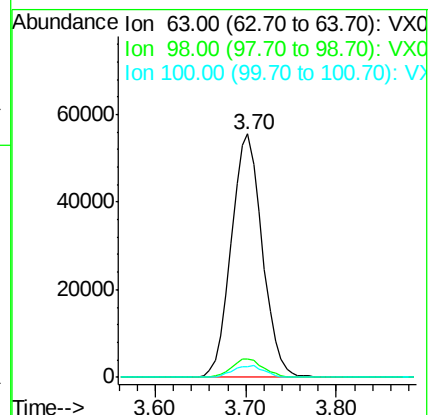
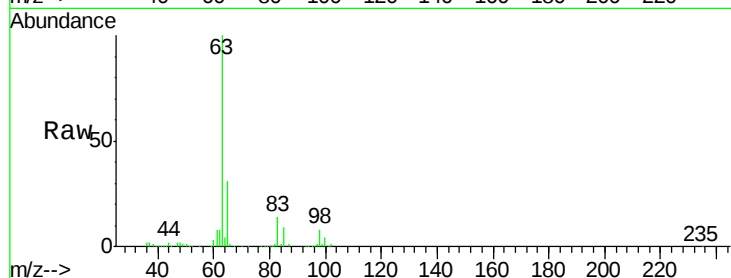
Tgt Ion: 63 Resp: 131977

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.5

100 4.4 2.5 7.4



#22

cis-1,2-Dichloroethene

Concen: 23.51 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

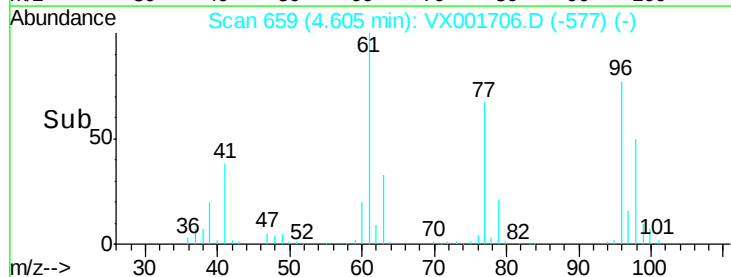
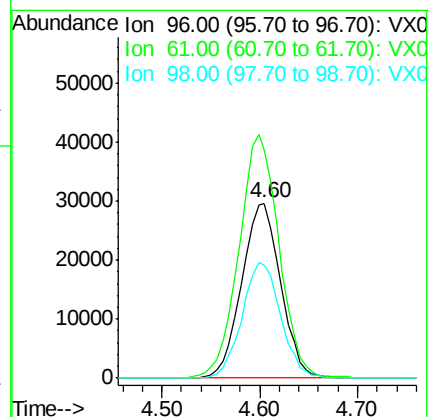
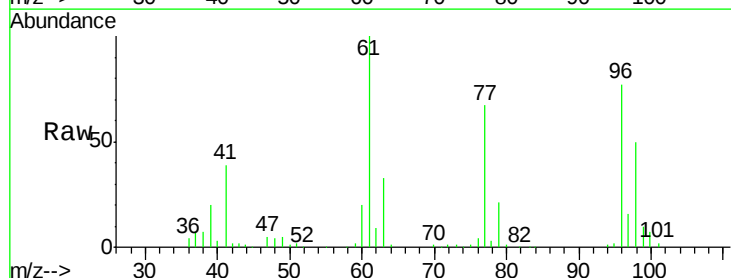
Tgt Ion: 96 Resp: 81716

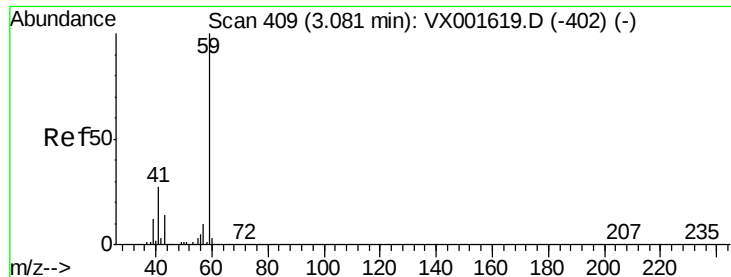
Ion Ratio Lower Upper

96 100

61 143.1 117.3 175.9

98 65.5 51.2 76.8





#23

tert-Butyl Alcohol

Concen: 90.47 ug/l

RT: 3.06 min Scan# 405

Delta R.T. -0.02 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

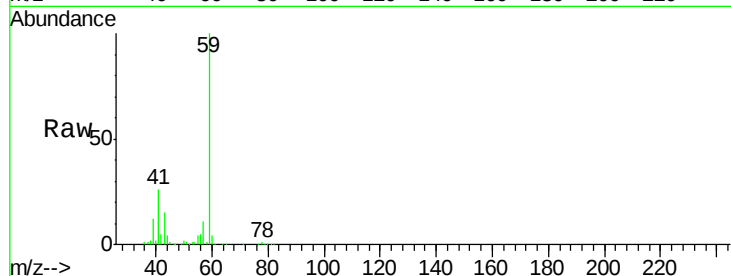
ClientSampled :

Tgt Ion: 59 Resp: 77640

Ion Ratio Lower Upper

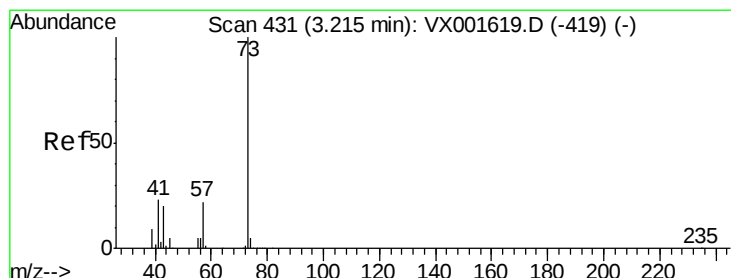
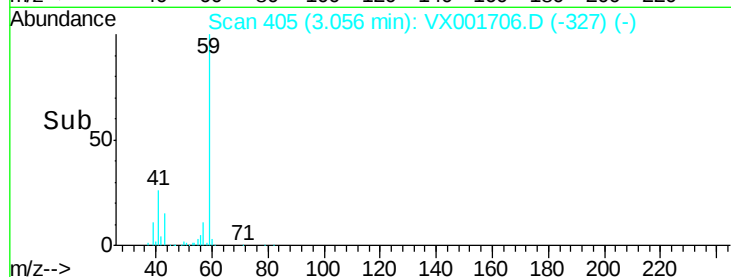
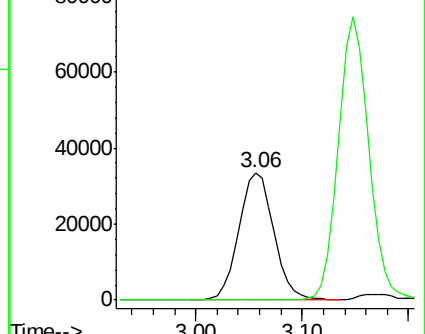
59 100

52 0.3 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 21.49 ug/l

RT: 3.20 min Scan# 429

Delta R.T. -0.01 min

Lab File: VX001706.D

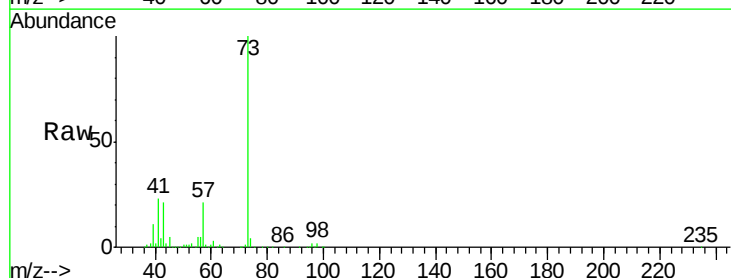
Acq: 14 May 2018 11:14

Tgt Ion: 73 Resp: 221682

Ion Ratio Lower Upper

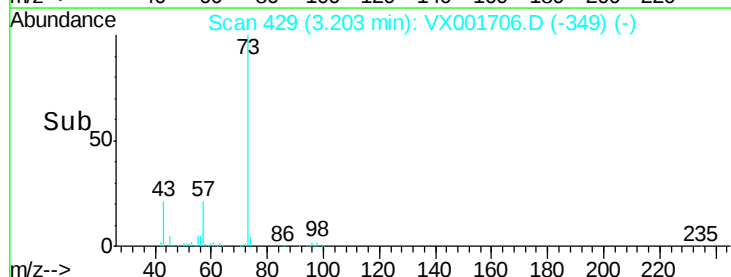
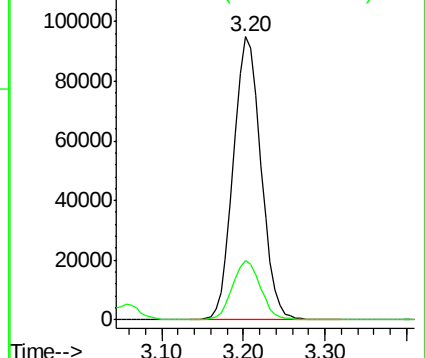
73 100

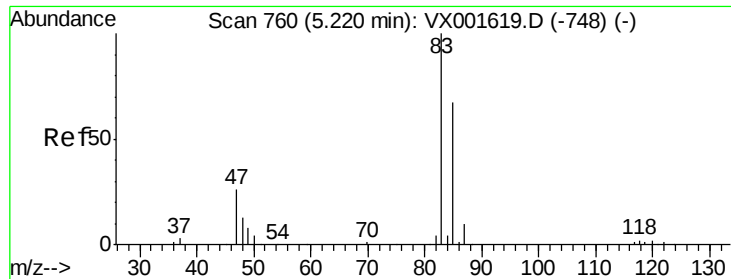
43 21.0 16.3 24.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 22.85 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

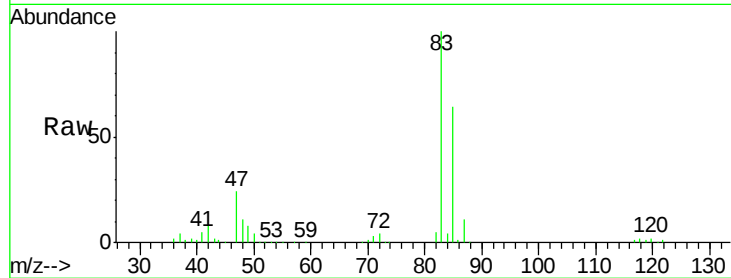
ClientSampleId :

Tgt Ion: 83 Resp: 137001

Ion Ratio Lower Upper

83 100

85 64.2 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.21

40000

30000

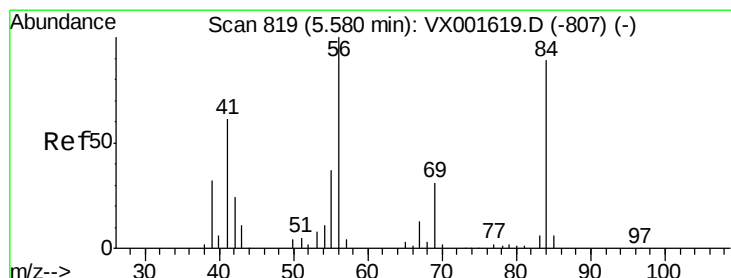
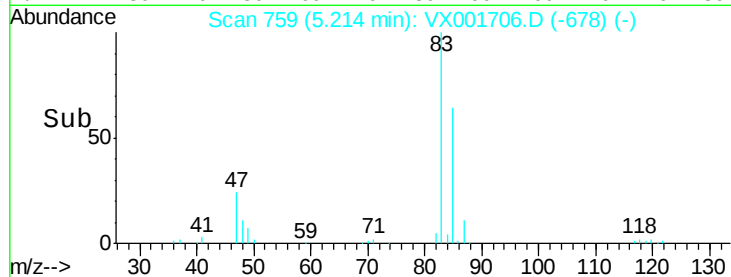
20000

10000

0

5.10 5.20 5.30

Time-->



#26

Cyclohexane

Concen: 27.69 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

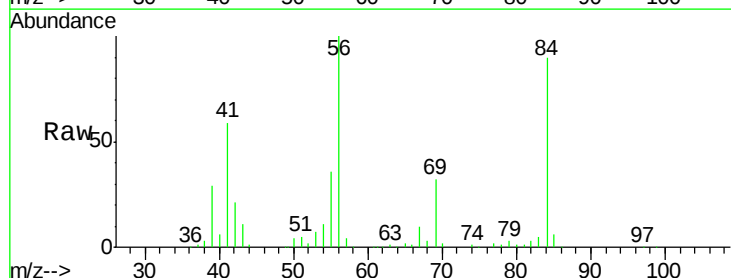
Tgt Ion: 56 Resp: 117582

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 89.9 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

60000

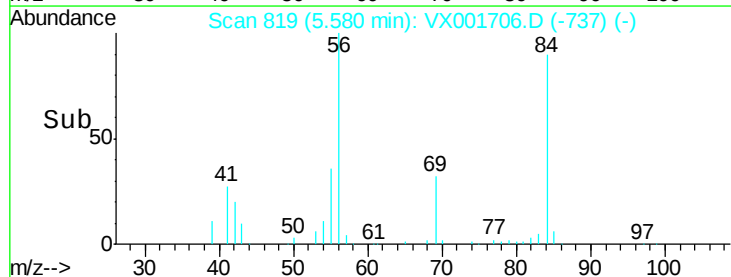
40000

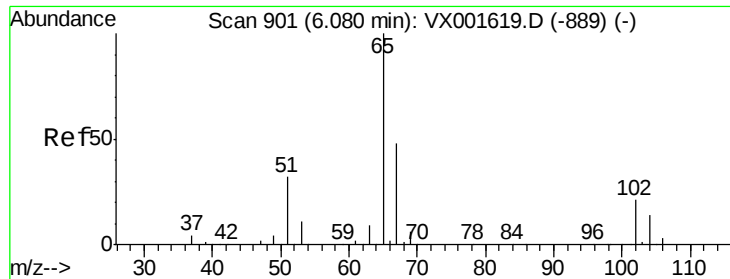
20000

0

5.50 5.58 5.70

Time-->

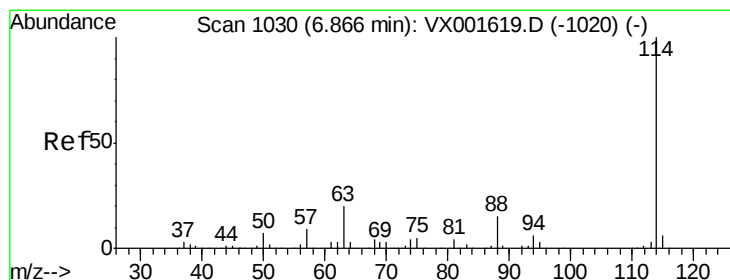
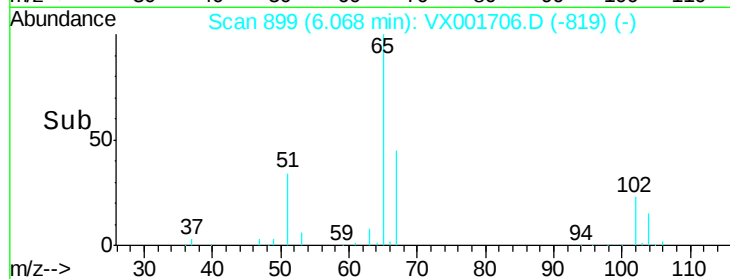
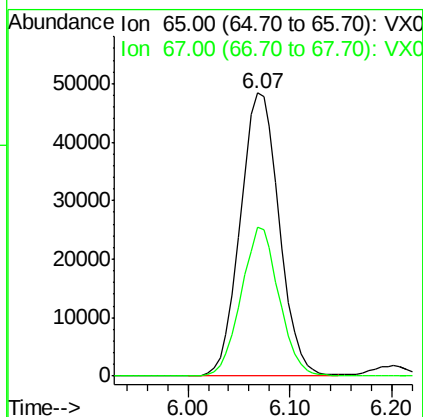
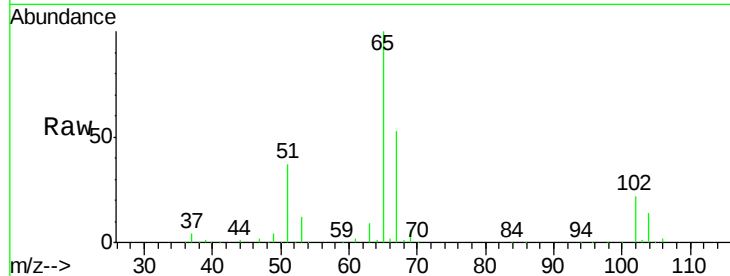




#27
 1,2-Dichloroethane-d4
 Concen: 28.66 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

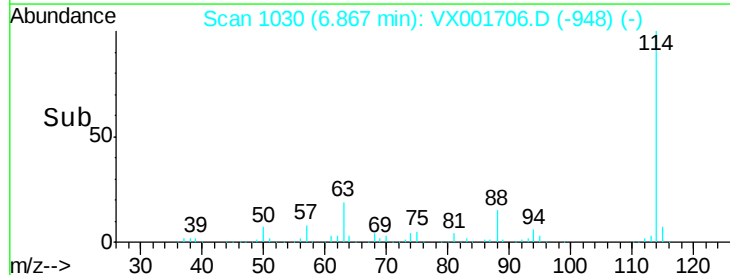
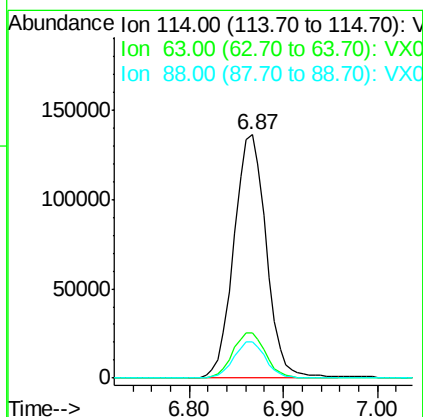
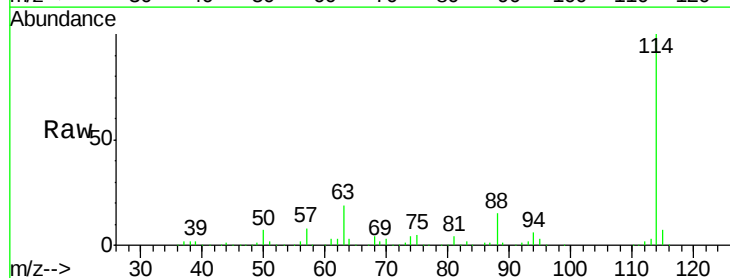
Instrument :
 MSVOA_X
 ClientSampled :

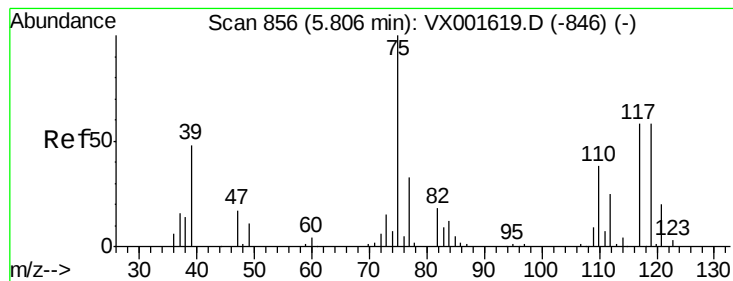
Tgt Ion: 65 Resp: 128306
 Ion Ratio Lower Upper
 65 100
 67 51.1 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

Tgt Ion: 114 Resp: 327253
 Ion Ratio Lower Upper
 114 100
 63 19.0 15.5 23.3
 88 14.8 12.2 18.4





#29

1,1-Dichloropropene

Concen: 24.47 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

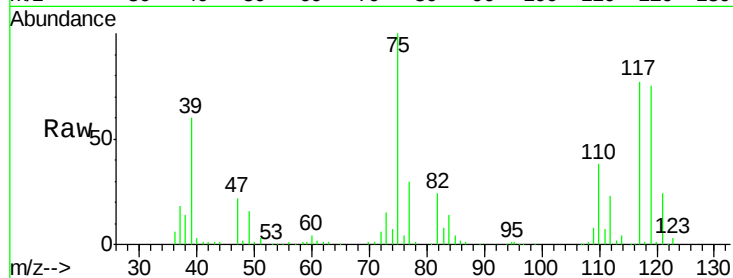
Tgt Ion: 75 Resp: 100583

Ion Ratio Lower Upper

75 100

110 38.4 0.0 74.6

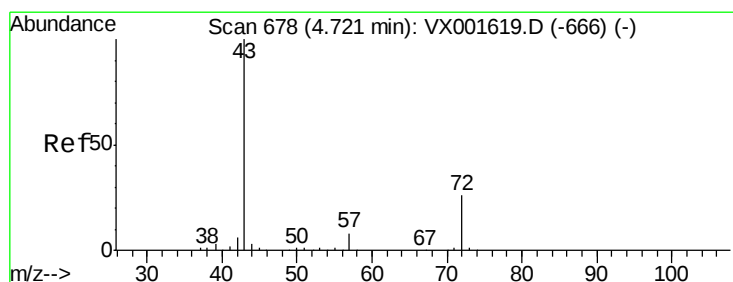
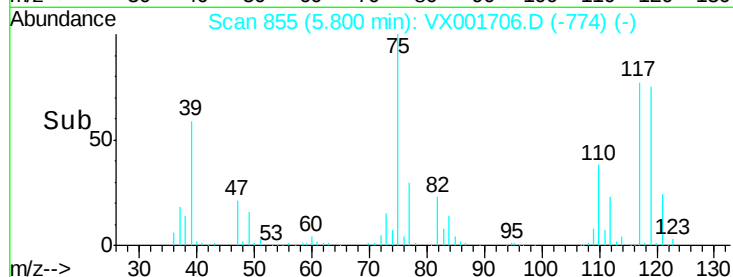
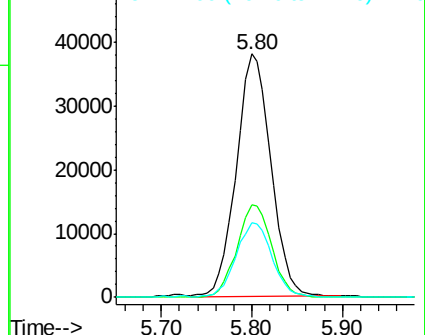
77 31.9 0.0 62.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 94.81 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.02 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

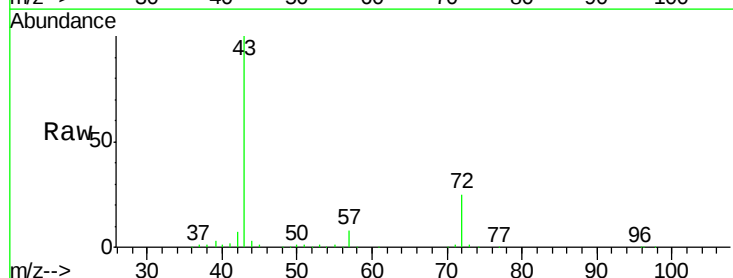
Tgt Ion: 43 Resp: 257204

Ion Ratio Lower Upper

43 100

57 8.2 6.3 9.5

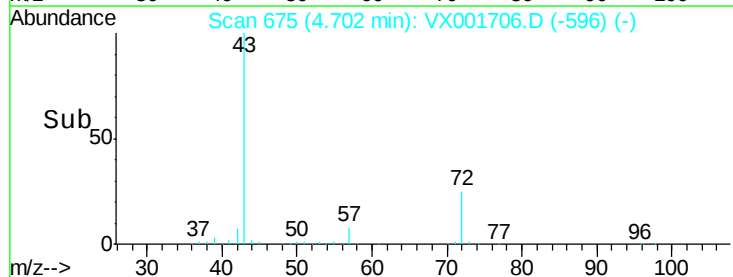
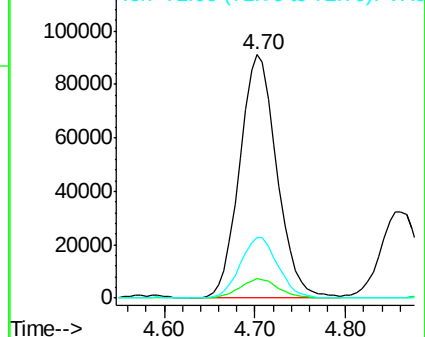
72 25.3 20.2 30.4

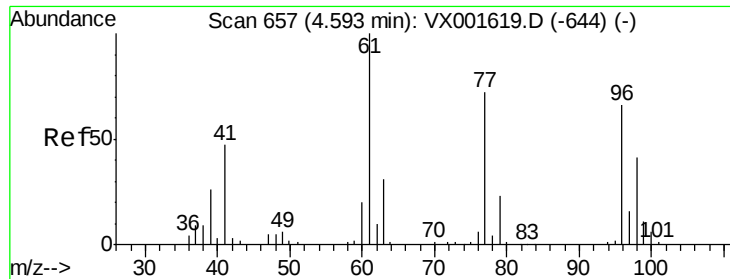


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

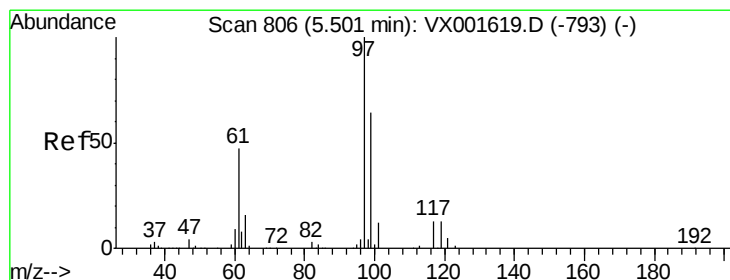
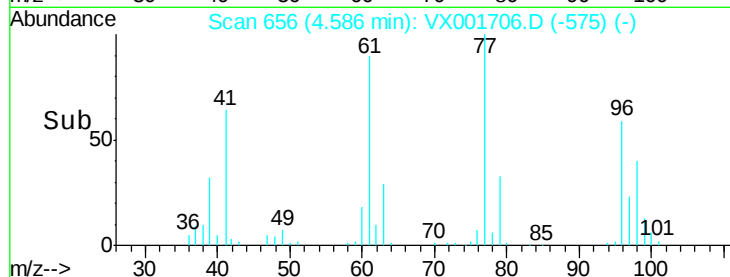
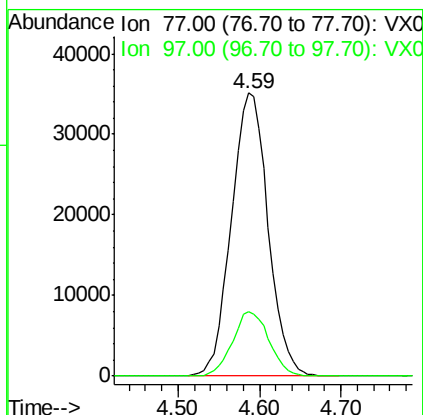
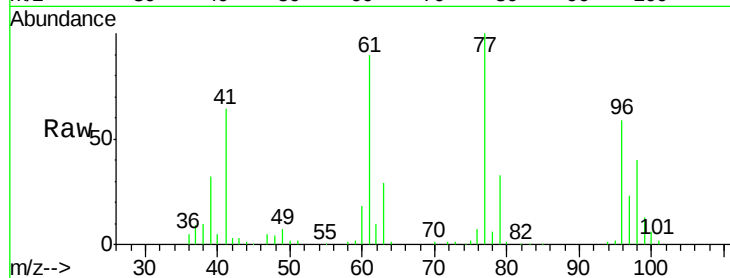




#31
 2,2-Dichloropropane
 Concen: 30.95 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

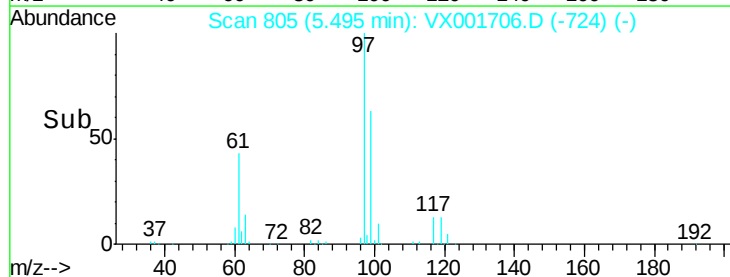
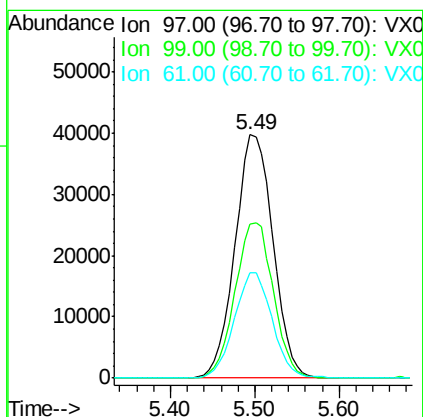
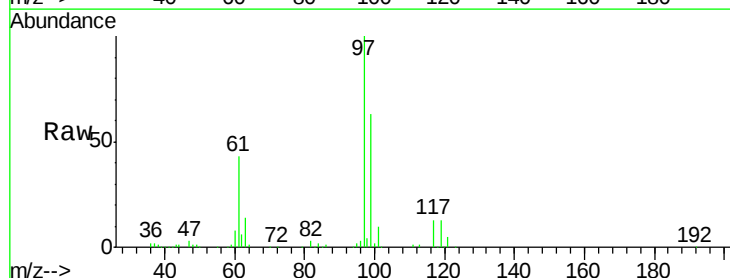
Instrument :
 MSVOA_X
 ClientSampleId :

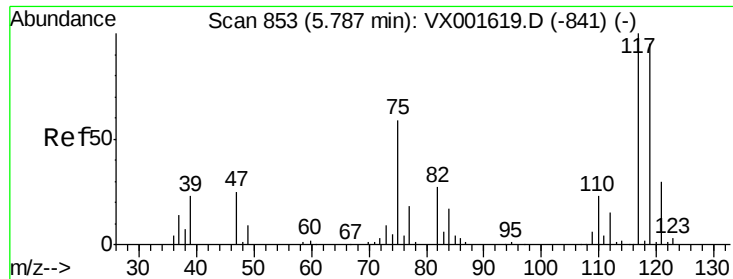
Tgt Ion: 77 Resp: 109395
 Ion Ratio Lower Upper
 77 100
 97 22.8 19.3 28.9



#32
 1,1,1-Trichloroethane
 Concen: 23.27 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

Tgt Ion: 97 Resp: 121661
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.7 77.5
 61 43.1 35.6 53.4

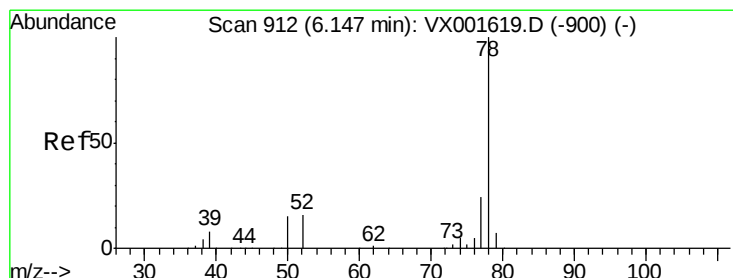
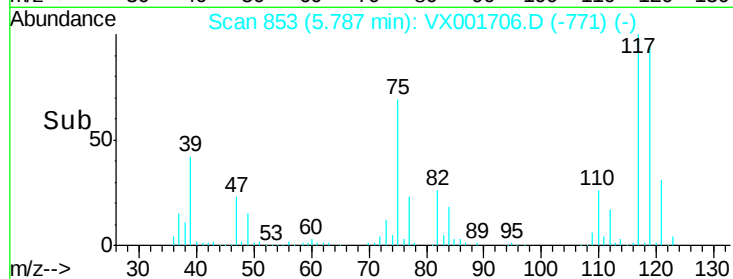
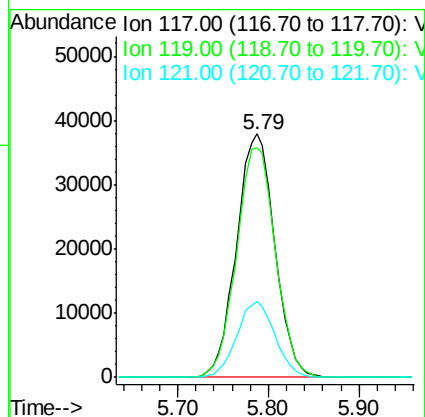
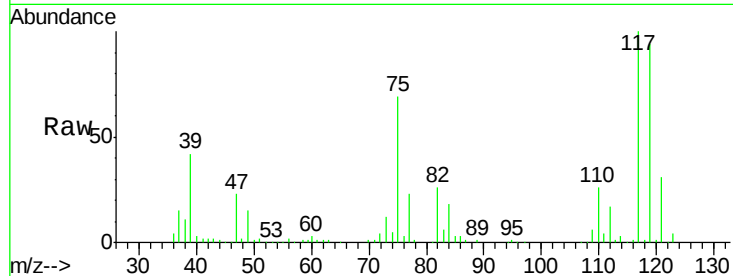




#33
Carbon Tetrachloride
Concen: 24.06 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

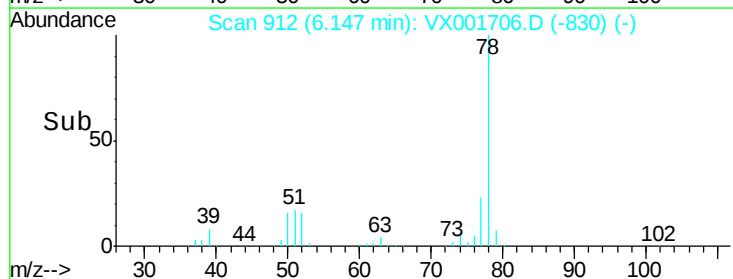
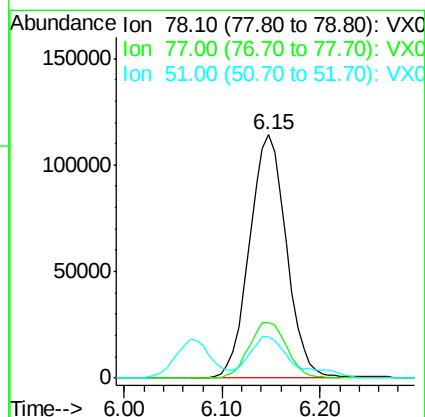
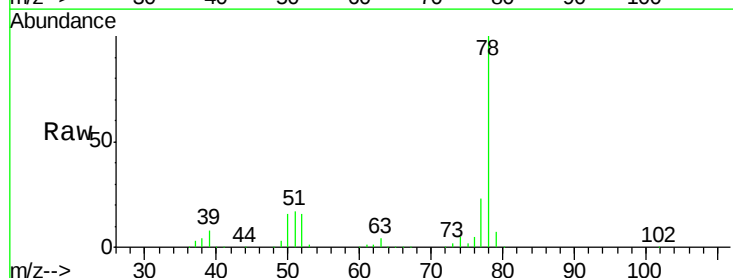
Instrument :
MSVOA_X
ClientSampled :

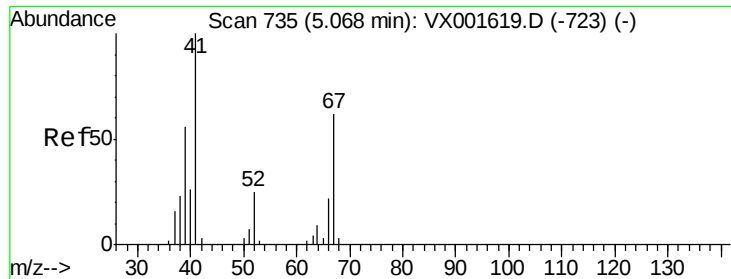
Tgt Ion: 117 Resp: 110796
Ion Ratio Lower Upper
117 100
119 94.3 75.7 113.5
121 30.9 24.3 36.5



#34
Benzene
Concen: 22.82 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 78 Resp: 300045
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2
51 15.2 13.5 20.3

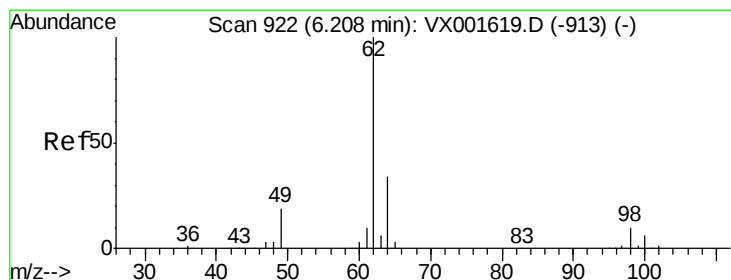
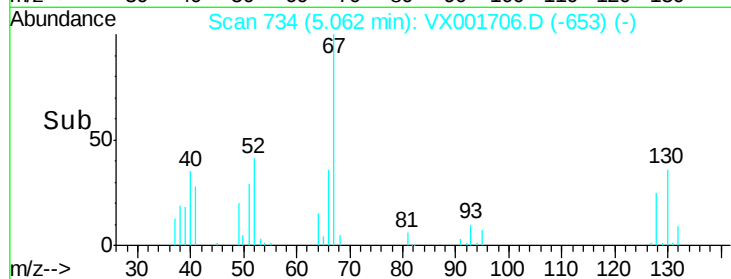
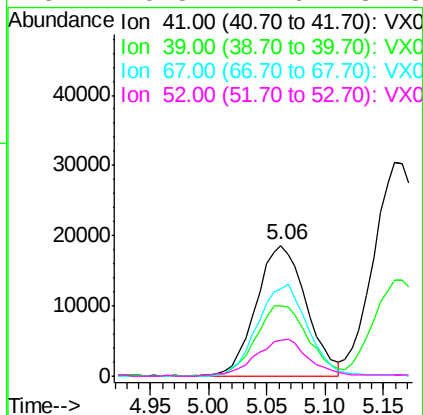
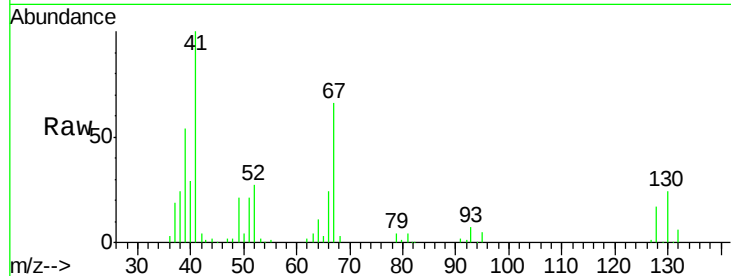




#35
Methacrylonitrile
Concen: 18.85 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

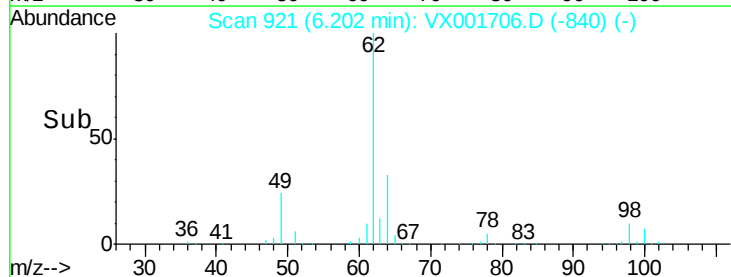
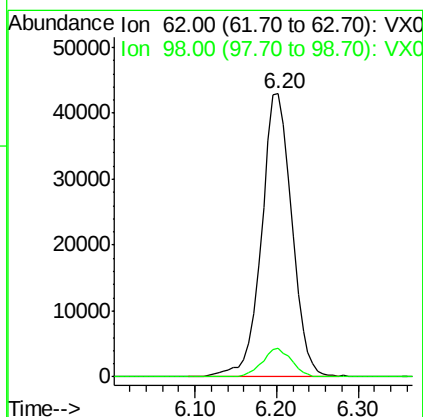
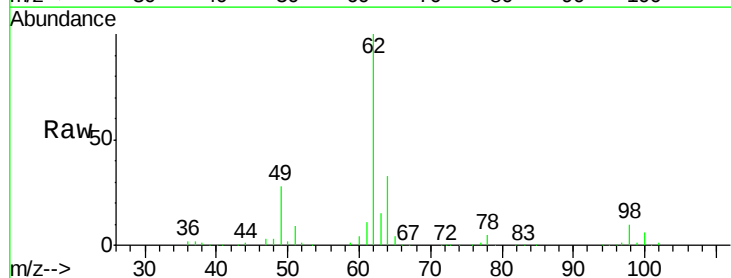
Instrument :
MSVOA_X
ClientSampleId :

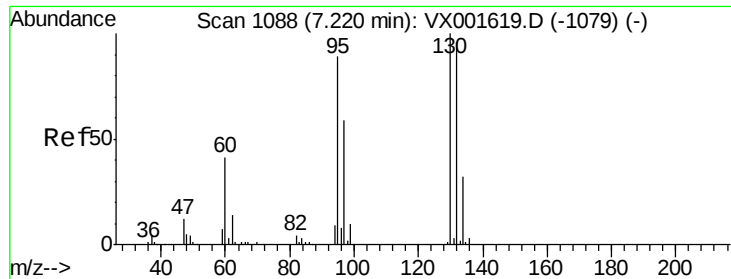
Tgt Ion:	41	Resp:	55440
Ion	Ratio	Lower	Upper
41	100		
39	53.5	27.9	83.6
67	66.5	30.9	92.5
52	26.8	12.6	37.8



#36
1,2-Dichloroethane
Concen: 21.45 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion:	62	Resp:	111549
Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.7	11.5

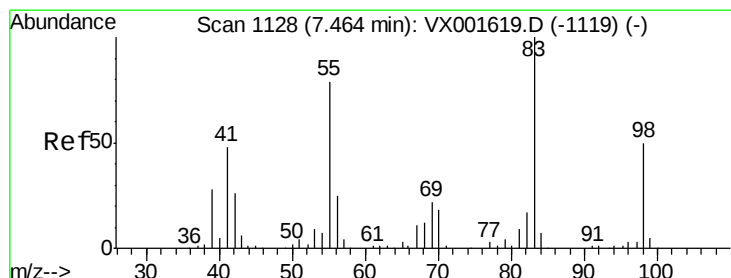
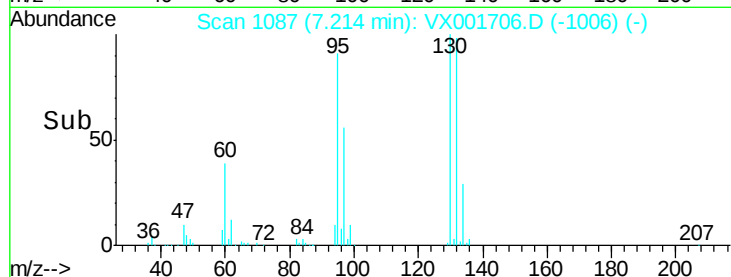
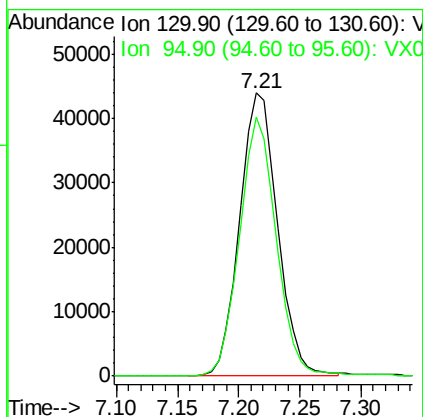
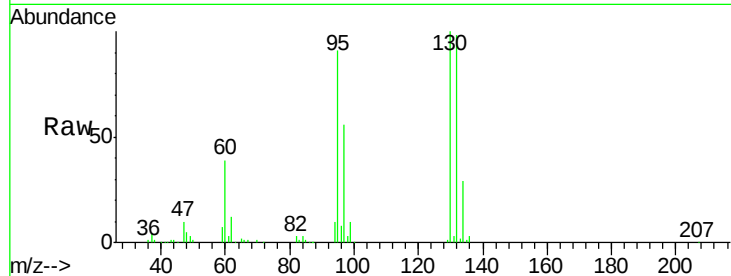




#37
 Trichloroethene
 Concen: 24.48 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

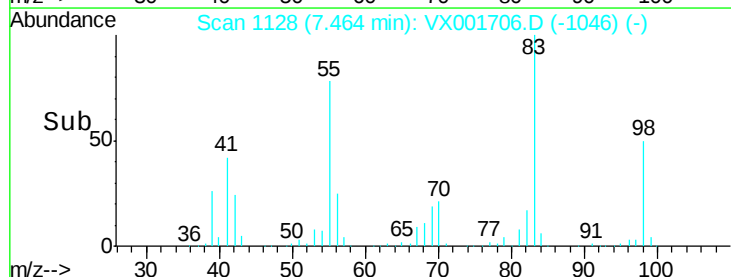
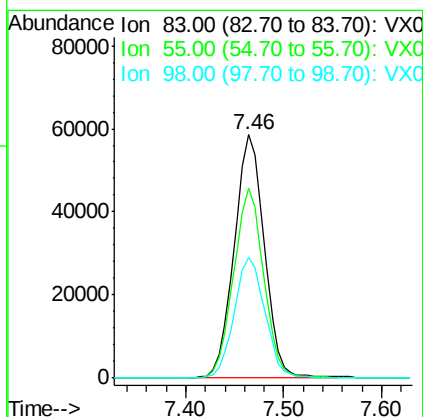
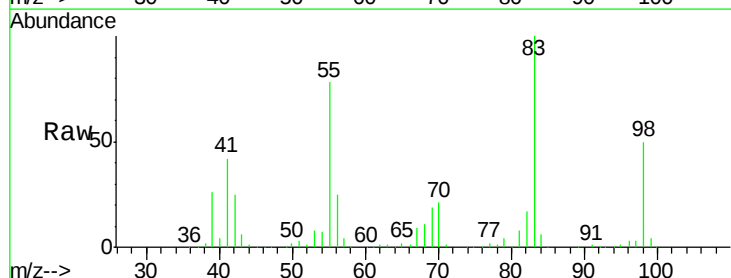
Instrument :
 MSVOA_X
 ClientSampleId :

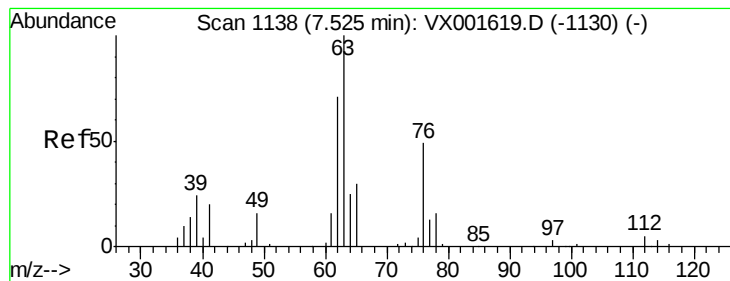
Tgt Ion:130 Resp: 94854
 Ion Ratio Lower Upper
 130 100
 95 91.5 71.4 107.2



#38
 Methylcyclohexane
 Concen: 28.57 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

Tgt Ion: 83 Resp: 125590
 Ion Ratio Lower Upper
 83 100
 55 77.4 39.6 118.7
 98 50.3 25.0 75.0





#39

1,2-Dichloropropane

Concen: 22.28 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

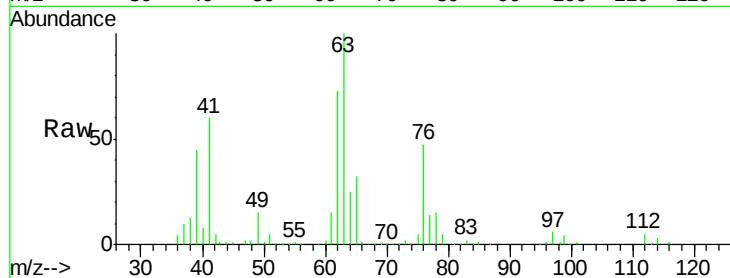
ClientSampled :

Tgt Ion: 63 Resp: 73432

Ion Ratio Lower Upper

63 100

65 32.1 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.52

40000

30000

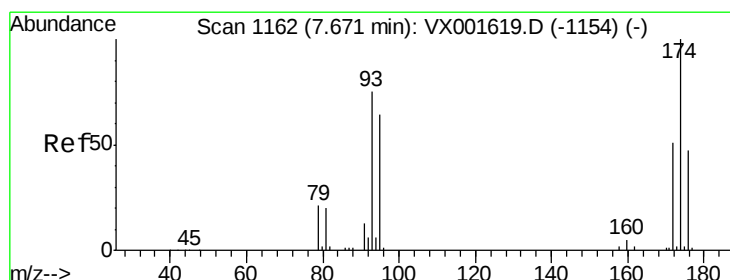
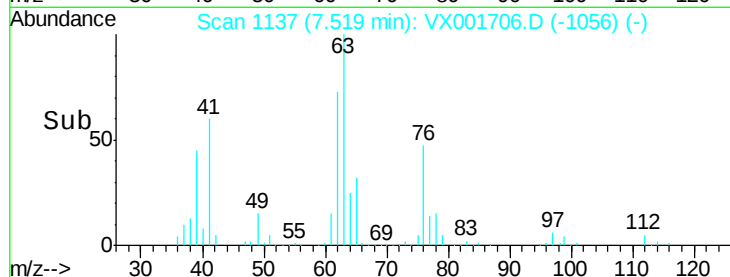
20000

10000

0

7.45 7.50 7.55 7.60

Time-->



#40

Dibromomethane

Concen: 21.76 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

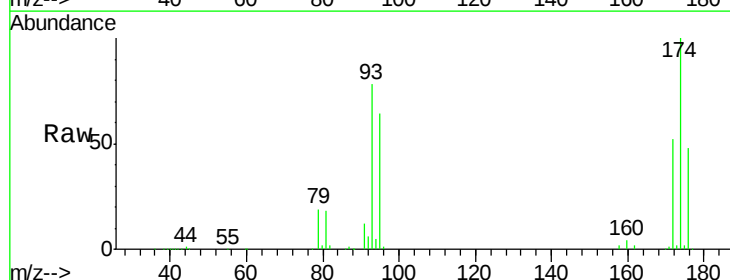
Tgt Ion: 93 Resp: 51390

Ion Ratio Lower Upper

93 100

95 83.5 0.0 166.2

174 134.3 0.0 259.2



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

50000

40000

30000

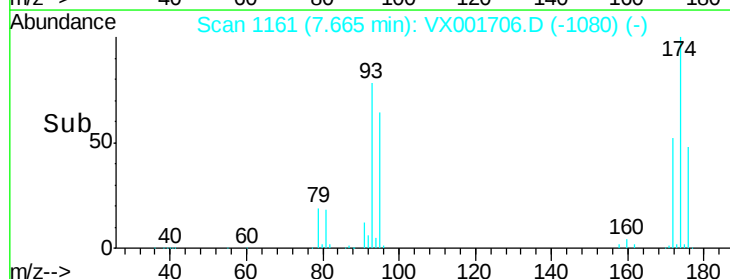
20000

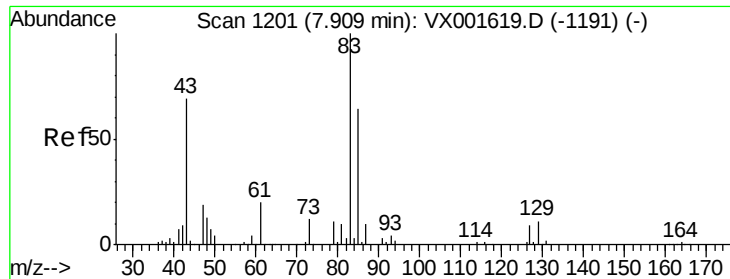
10000

0

7.60 7.65 7.70 7.75

Time-->





#41

Bromodichloromethane

Concen: 22.13 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

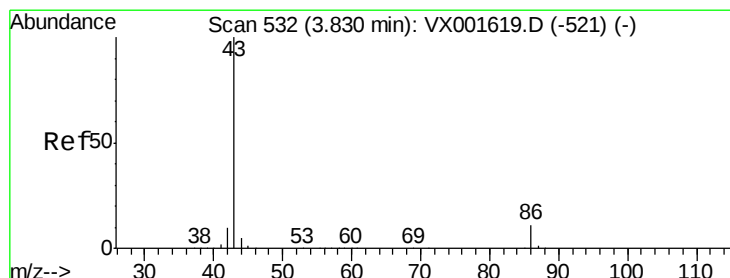
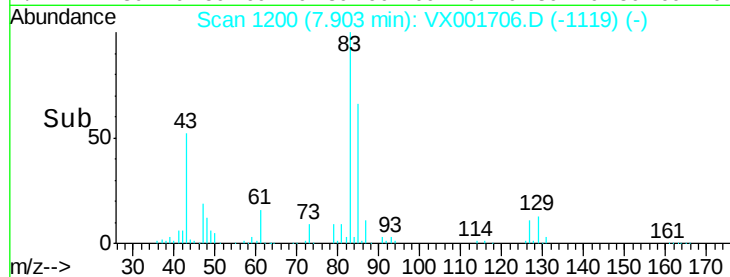
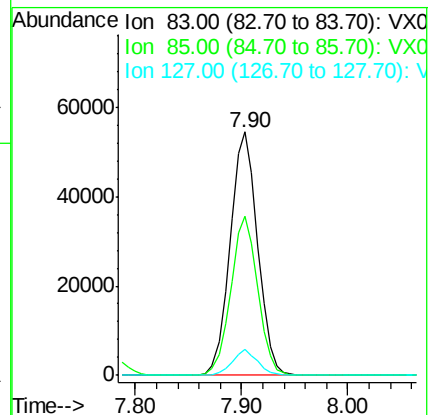
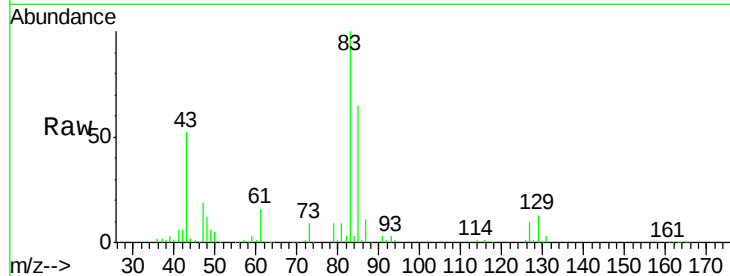
Tgt Ion: 83 Resp: 98305

Ion Ratio Lower Upper

83 100

85 65.4 51.3 76.9

127 10.5 7.5 11.3



#42

Vinyl Acetate

Concen: 108.00 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX001706.D

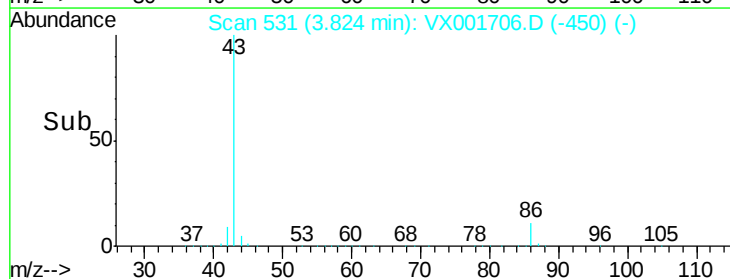
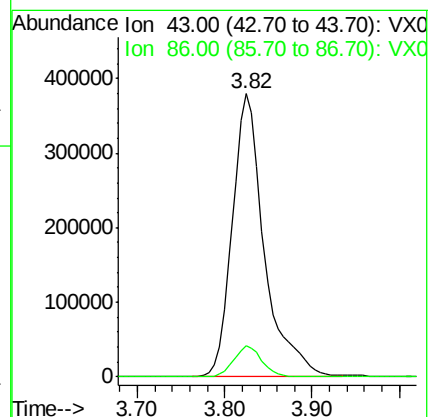
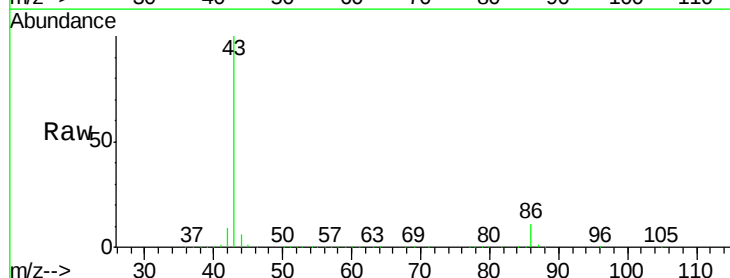
Acq: 14 May 2018 11:14

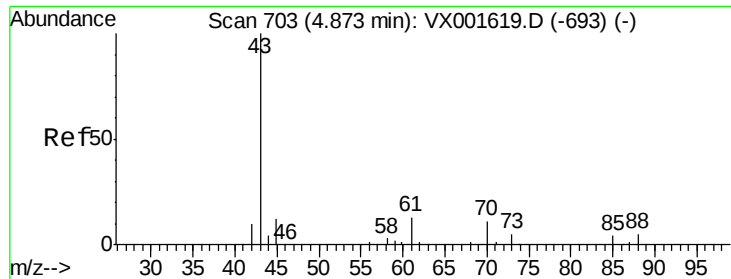
Tgt Ion: 43 Resp: 966431

Ion Ratio Lower Upper

43 100

86 9.6 7.4 11.2





#43

Ethyl Acetate

Concen: 18.98 ug/l

RT: 4.85 min Scan# 700

Delta R.T. -0.02 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

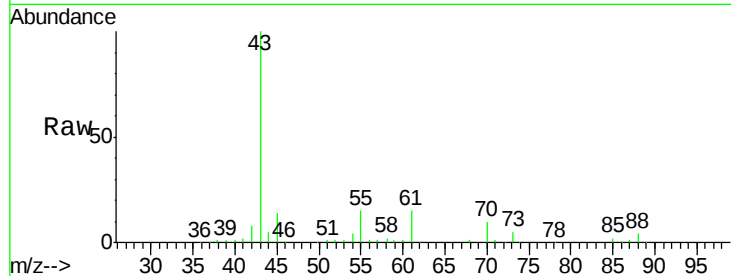
ClientSampled :

Tgt Ion: 43 Resp: 98126

Ion Ratio Lower Upper

43 100

45 15.0 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

100000

80000

60000

40000

20000

0

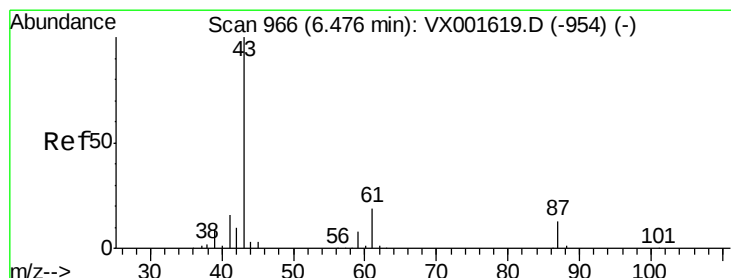
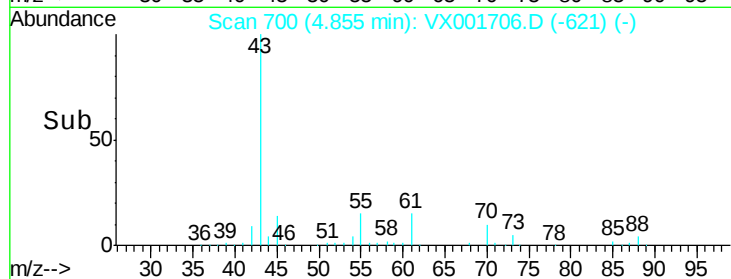
4.80

4.85

4.90

5.00

Time-->



#44

Isopropyl Acetate

Concen: 19.48 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001706.D

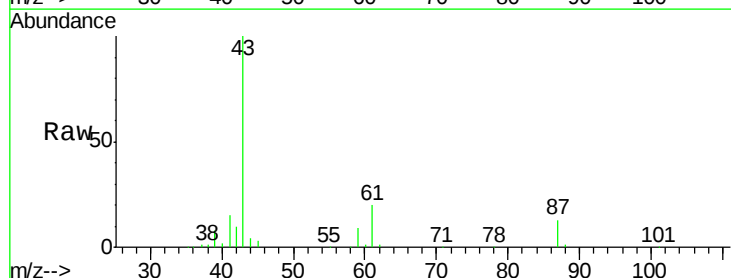
Acq: 14 May 2018 11:14

Tgt Ion: 43 Resp: 154275

Ion Ratio Lower Upper

43 100

61 19.4 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

60000

40000

20000

0

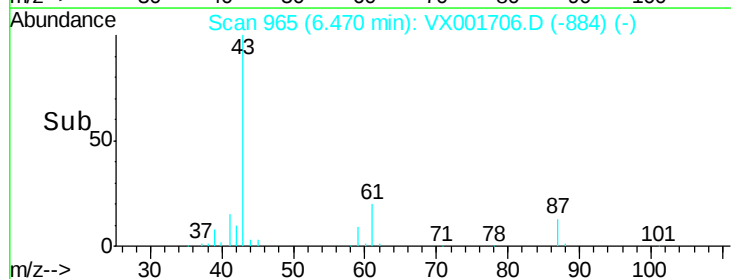
6.40

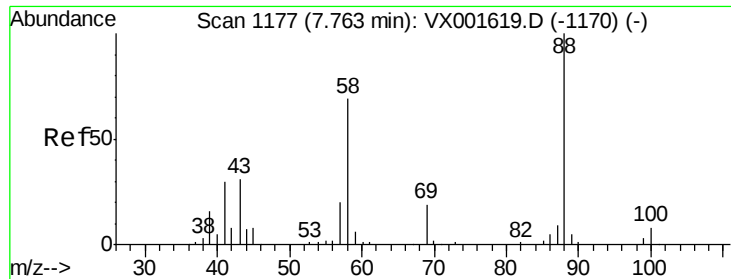
6.47

6.50

6.60

Time-->

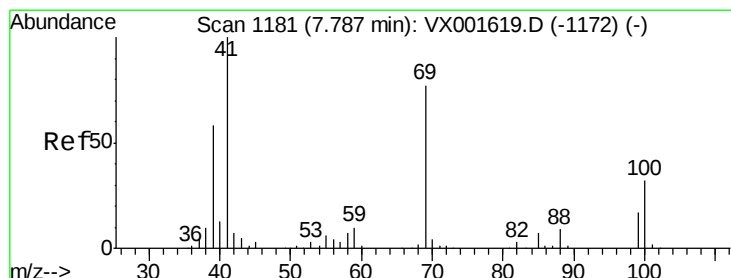
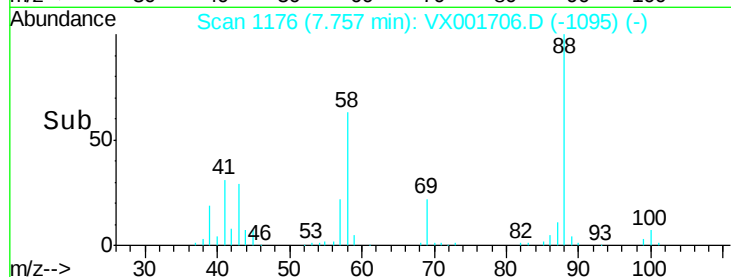
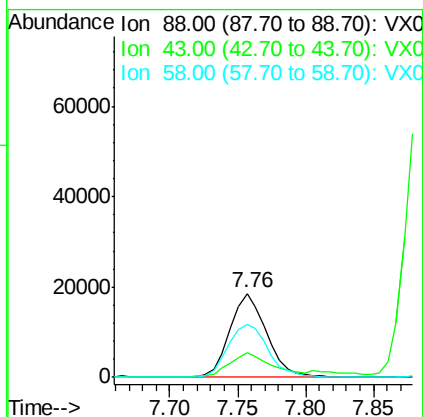
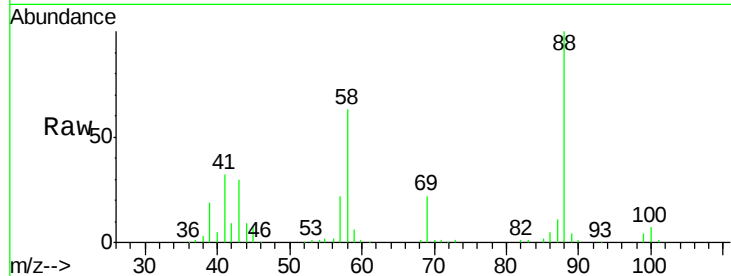




#45
1,4-Dioxane
Concen: 374.17 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

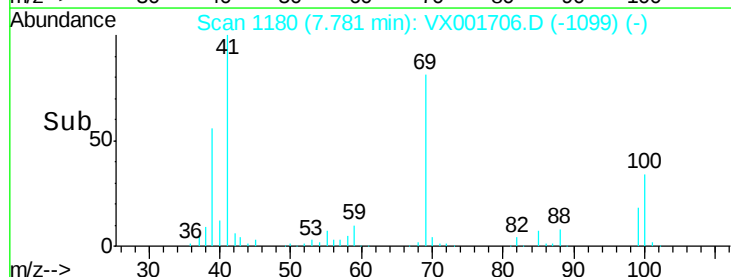
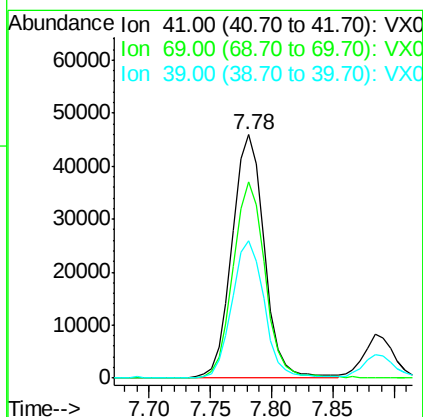
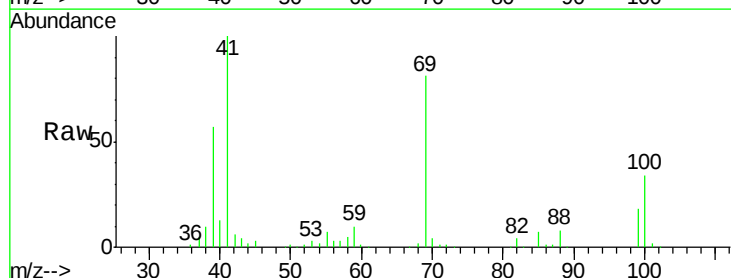
Instrument :
MSVOA_X
ClientSampleId :

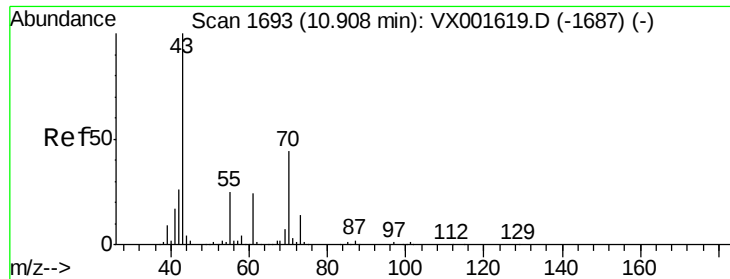
Tgt Ion: 88 Resp: 34739
Ion Ratio Lower Upper
88 100
43 32.6 27.9 41.9
58 69.5 55.3 82.9



#46
Methyl methacrylate
Concen: 19.43 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 41 Resp: 83098
Ion Ratio Lower Upper
41 100
69 81.0 38.4 115.2
39 56.4 29.0 87.1

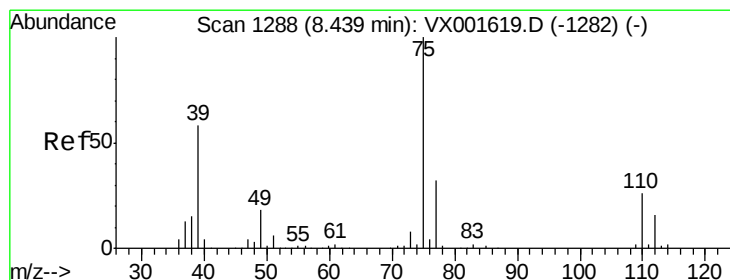
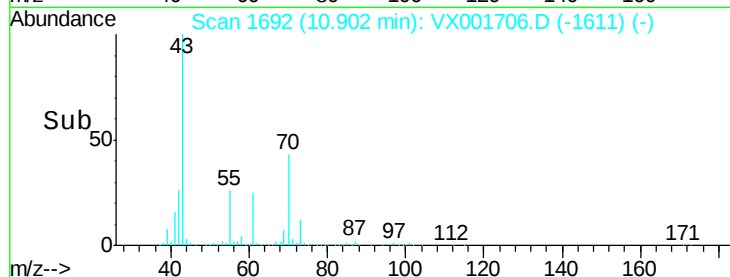
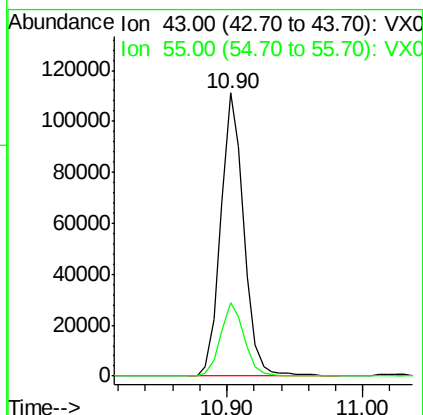
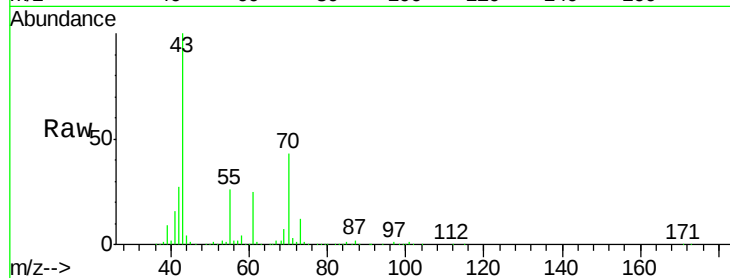




#47
n-amy1 Acetate
Concen: 19.15 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

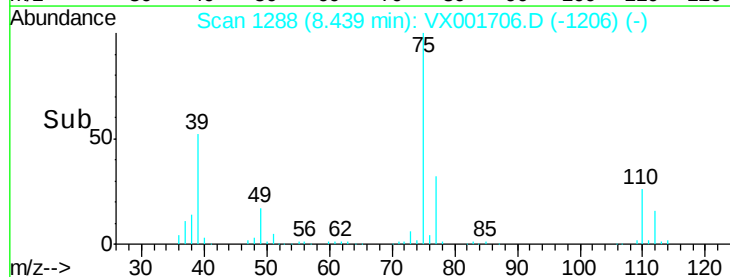
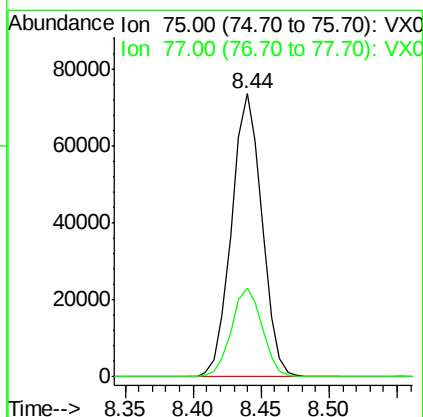
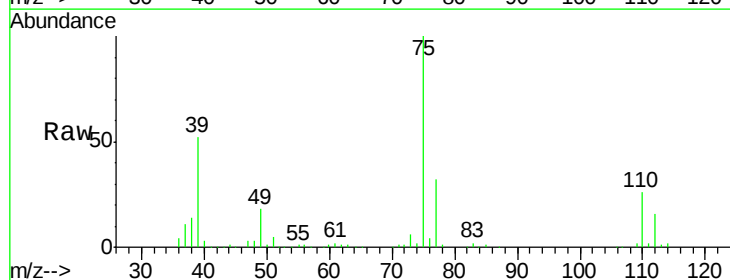
Instrument :
MSVOA_X
ClientSampleId :

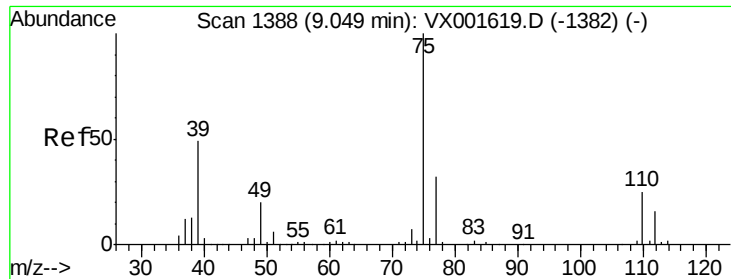
Tgt Ion: 43 Resp: 129496
Ion Ratio Lower Upper
43 100
55 26.9 20.8 31.2



#48
t-1,3-Dichloropropene
Concen: 23.39 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 75 Resp: 114686
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3



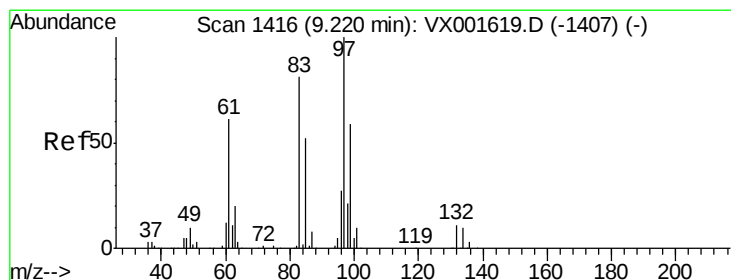
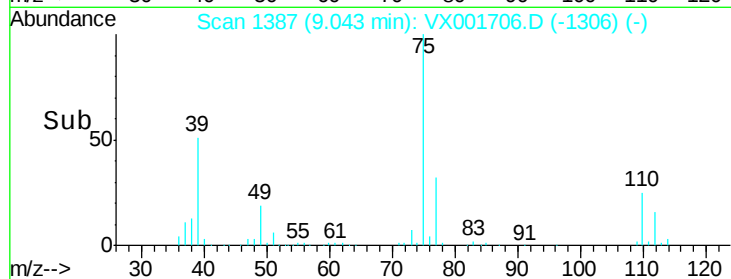
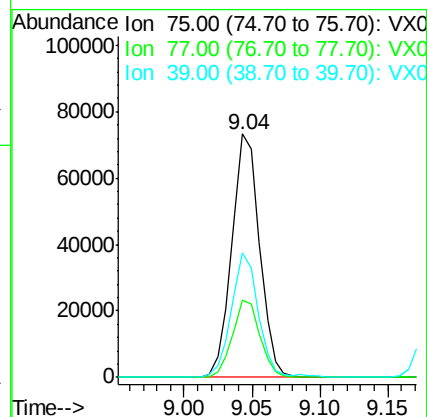
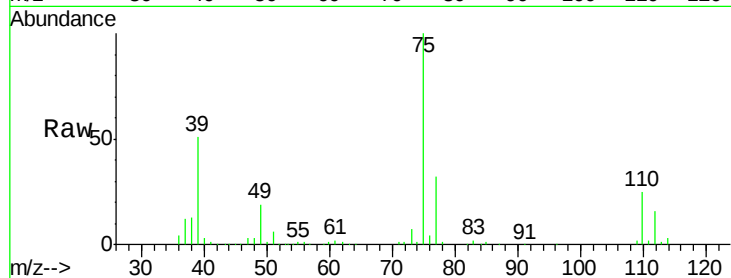


#49

cis-1,3-Dichloropropene
Concen: 23.99 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :

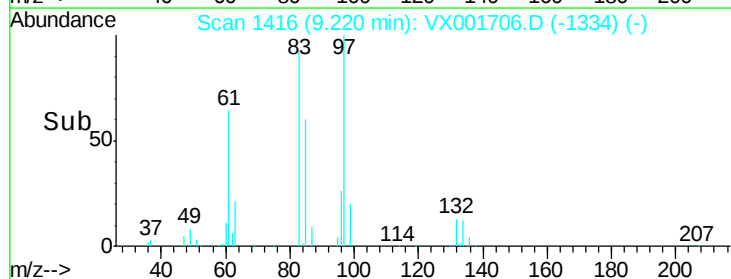
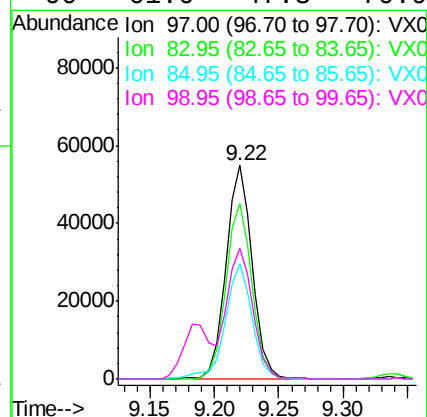
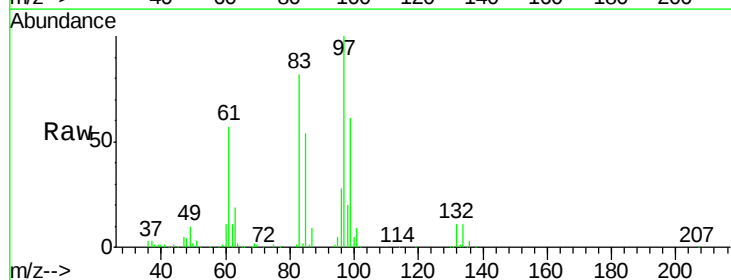
Tgt Ion: 75 Resp: 103937
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6
39 51.1 39.4 59.0

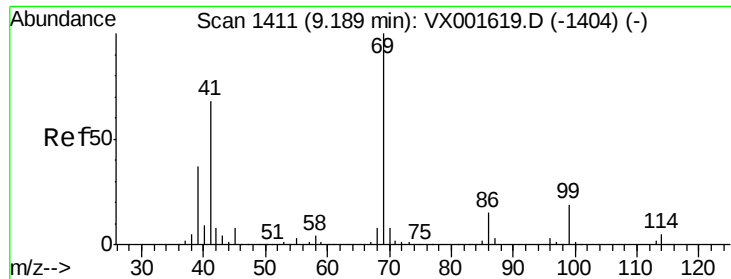


#50

1,1,2-Trichloroethane
Concen: 22.46 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 97 Resp: 78523
Ion Ratio Lower Upper
97 100
83 81.7 65.0 97.6
85 53.9 41.5 62.3
99 61.0 47.3 70.9

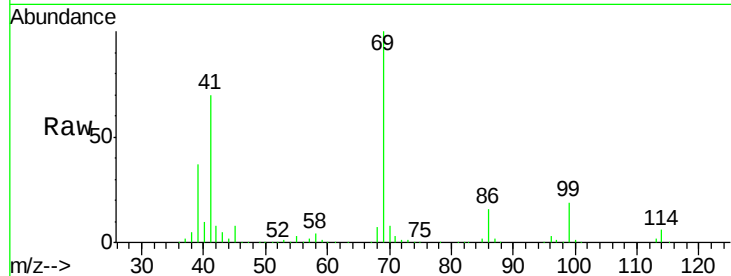




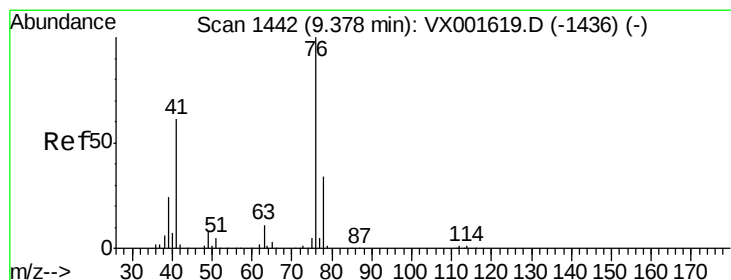
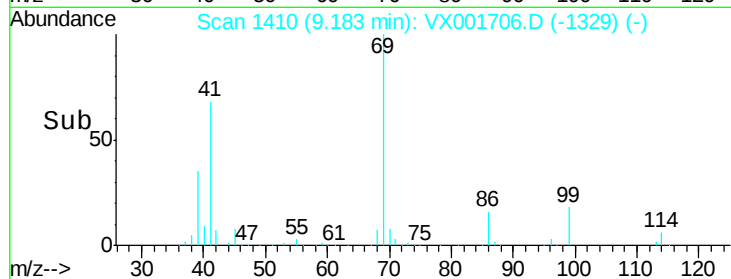
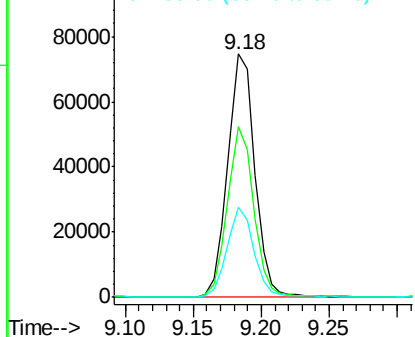
#51
Ethyl methacrylate
Concen: 20.68 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 69 Resp: 104238
Ion Ratio Lower Upper
69 100
41 70.2 33.9 101.6
39 36.8 18.4 55.2

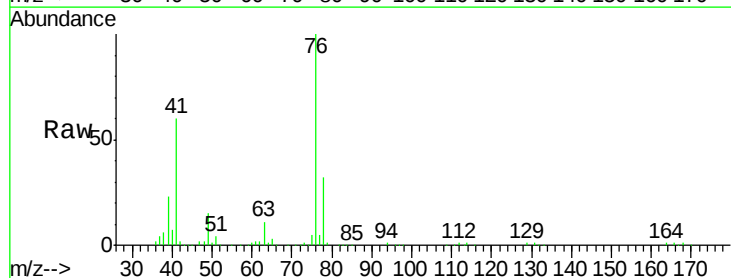


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

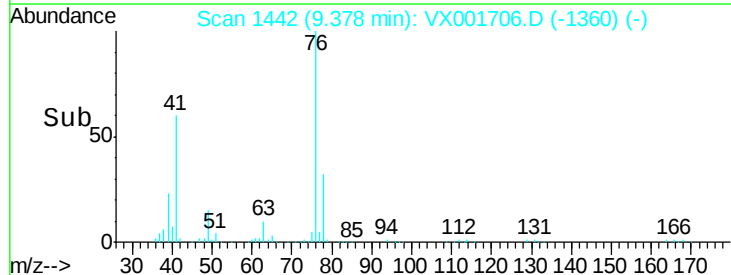
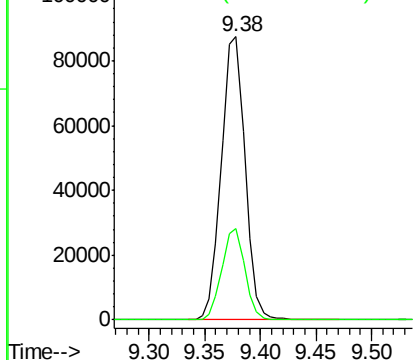


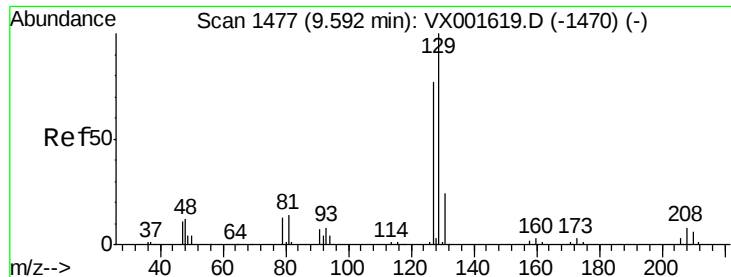
#52
1,3-Dichloropropane
Concen: 22.51 ug/l
RT: 9.38 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 76 Resp: 129678
Ion Ratio Lower Upper
76 100
78 31.5 0.0 65.8



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 21.37 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

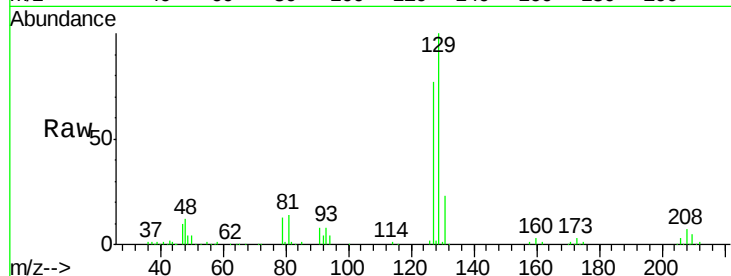
ClientSampleId :

Tgt Ion:129 Resp: 77616

Ion Ratio Lower Upper

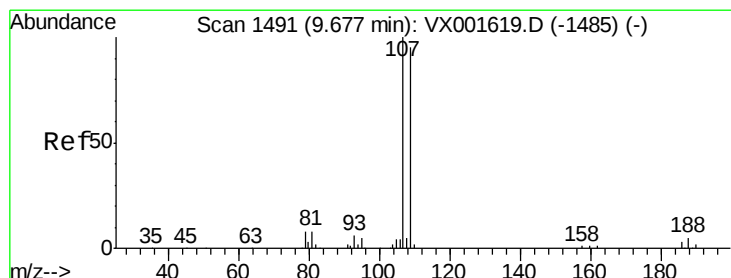
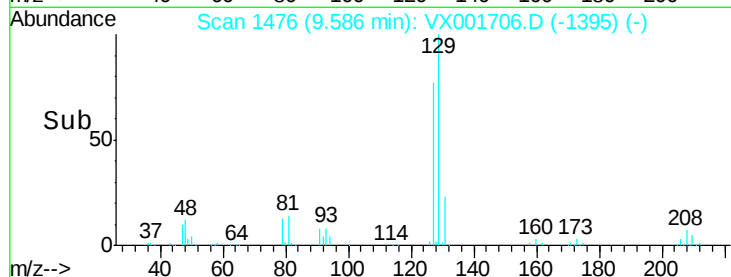
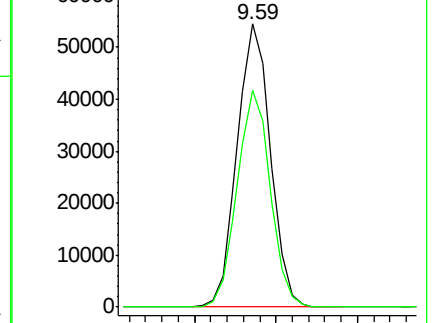
129 100

127 76.3 37.9 113.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.02 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001706.D

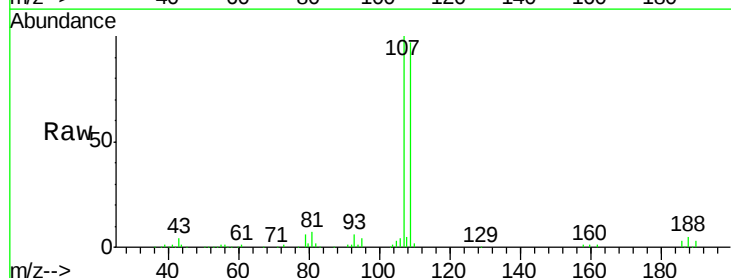
Acq: 14 May 2018 11:14

Tgt Ion:107 Resp: 77543

Ion Ratio Lower Upper

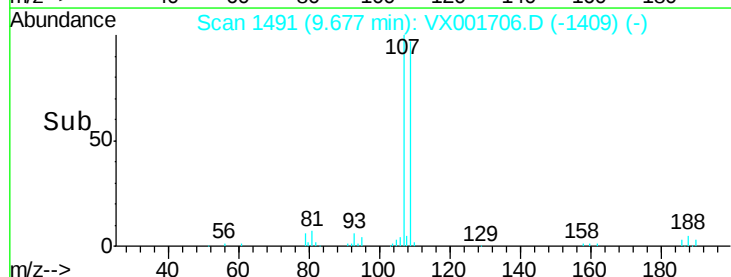
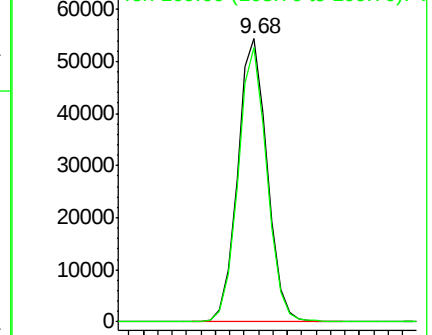
107 100

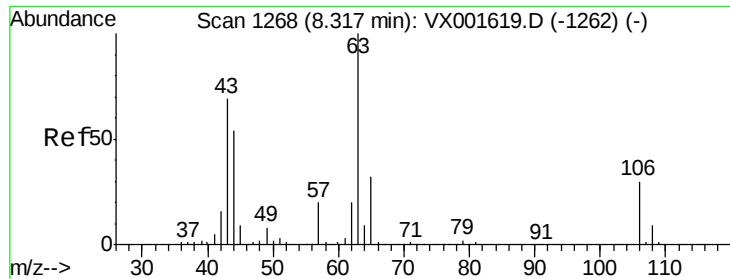
109 94.7 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

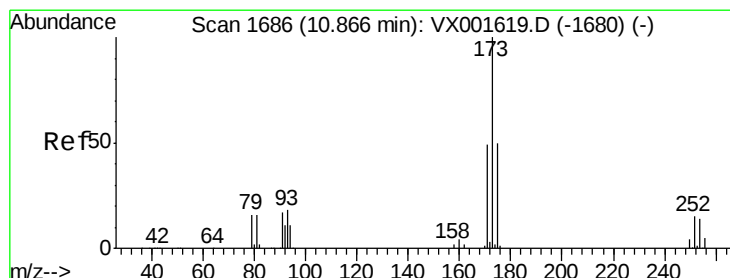
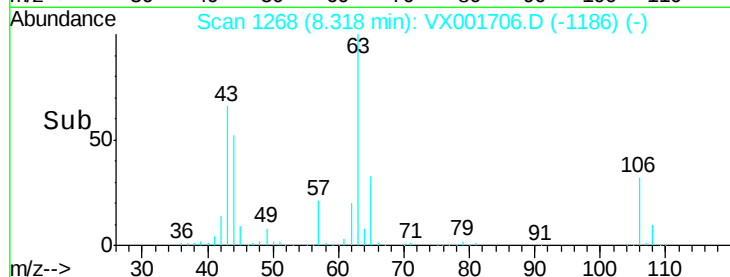
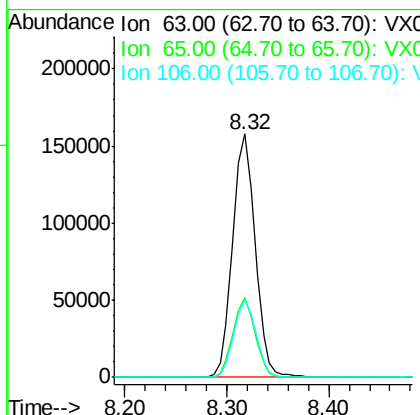
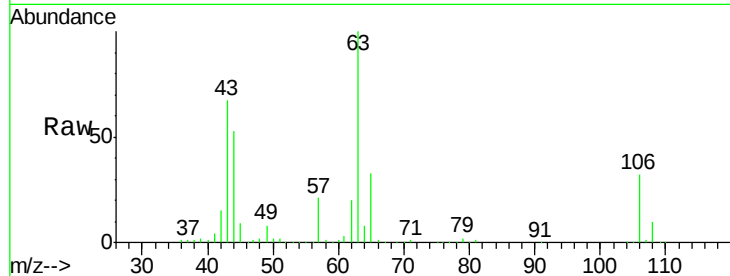




#55
2-Chloroethyl vinyl ether
Concen: 90.34 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

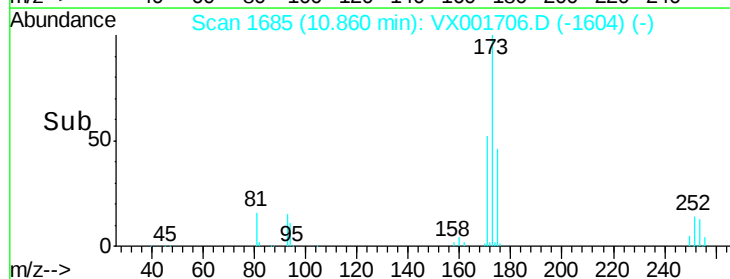
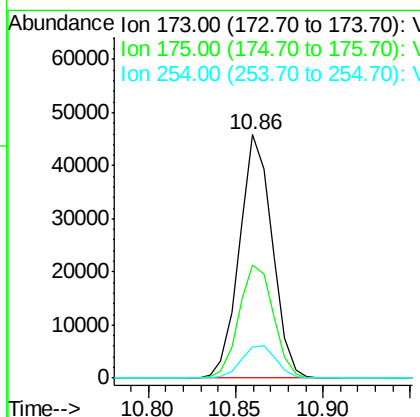
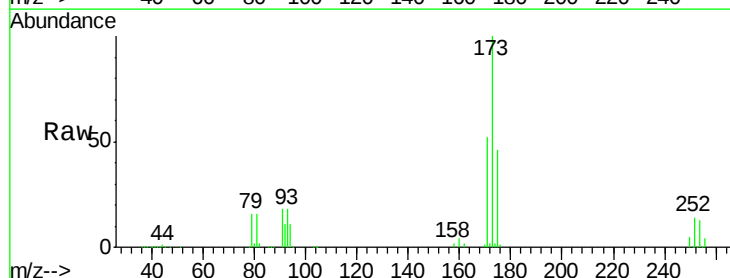
Instrument :
MSVOA_X
ClientSampleId :

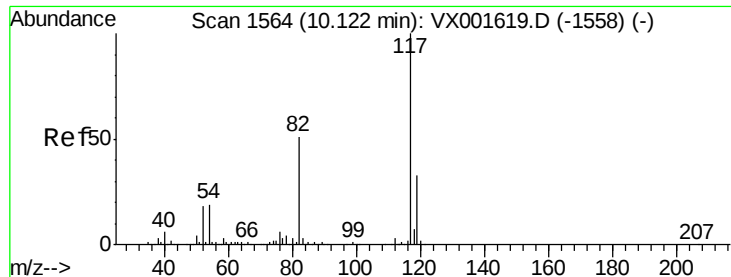
Tgt Ion: 63 Resp: 242121
Ion Ratio Lower Upper
63 100
65 32.1 25.8 38.8
106 31.2 24.8 37.2



#56
Bromoform
Concen: 20.17 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 173 Resp: 59889
Ion Ratio Lower Upper
173 100
175 48.6 39.8 59.8
254 14.0 10.7 16.1

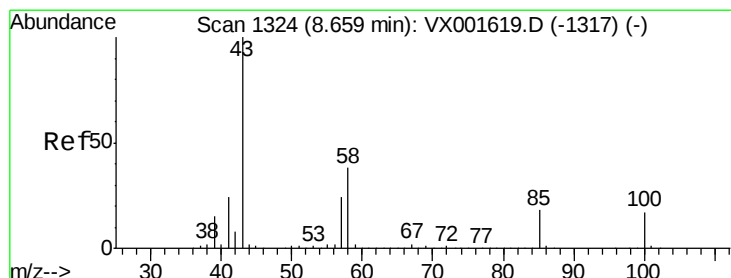
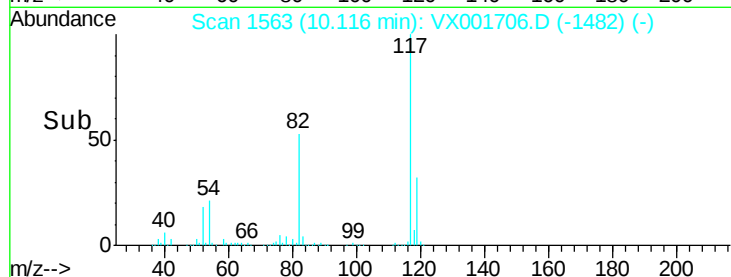
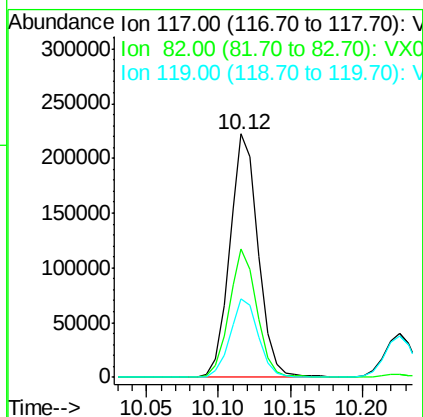
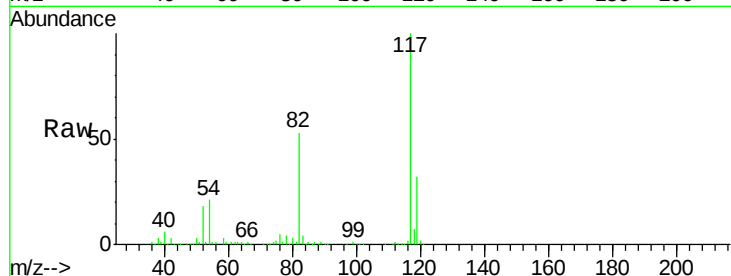




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

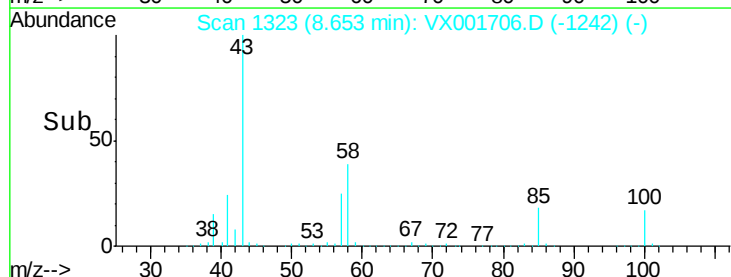
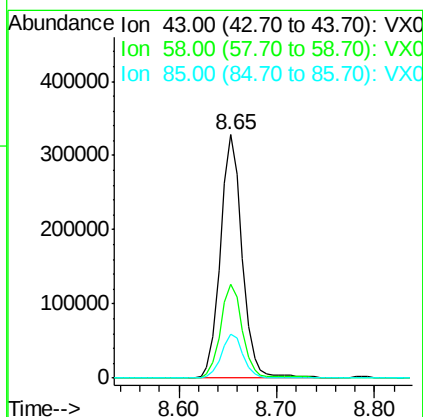
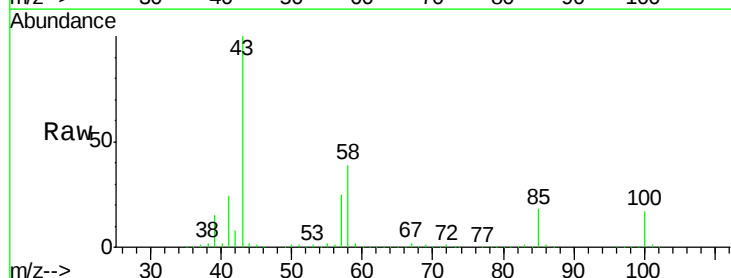
Instrument :
MSVOA_X
ClientSampled :

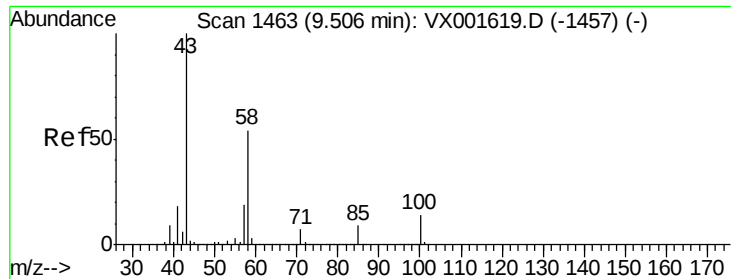
Tgt Ion: 117 Resp: 307403
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.2
119 32.1 26.3 39.5



#58
4-Methyl-2-Pentanone
Concen: 91.56 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 43 Resp: 506242
Ion Ratio Lower Upper
43 100
58 38.5 30.4 45.6
85 18.2 14.3 21.5

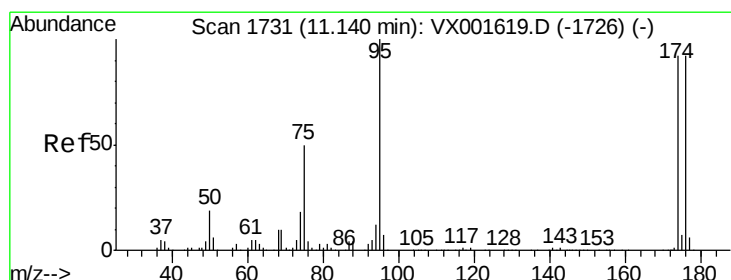
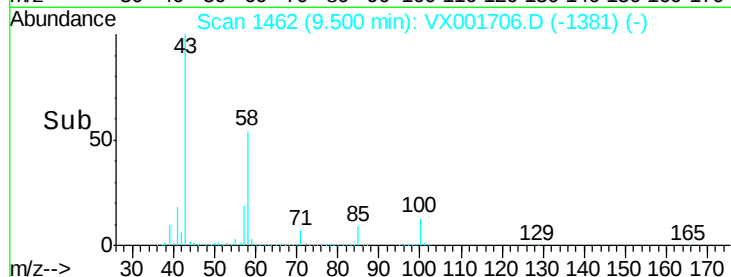
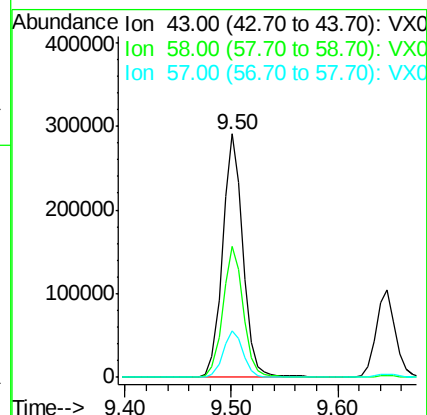
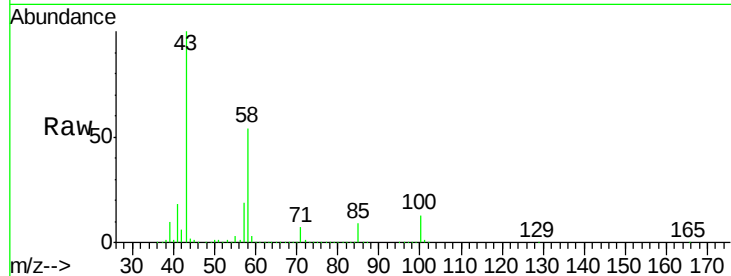




#59
2-Hexanone
Concen: 93.34 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

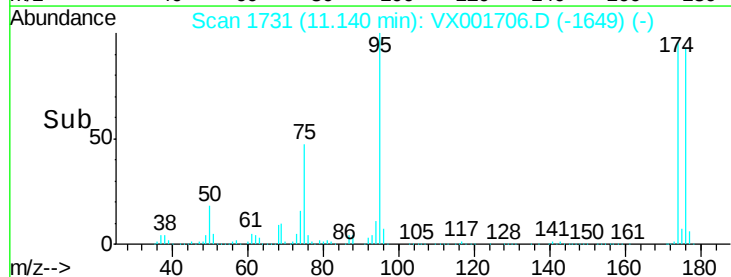
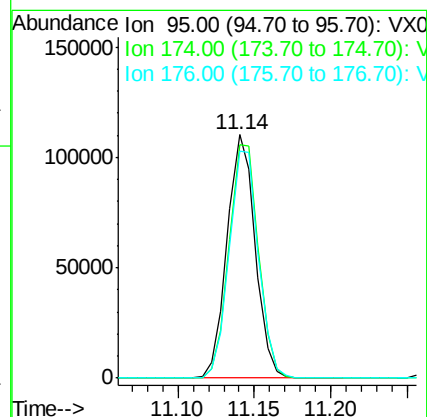
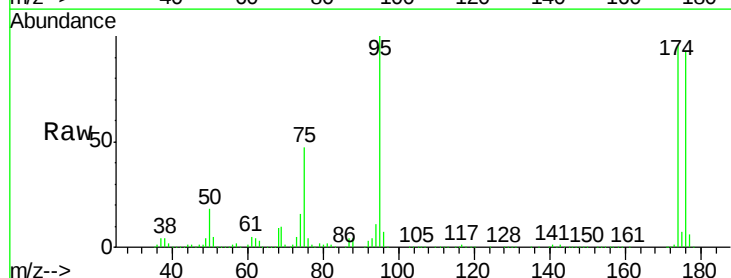
Instrument :
MSVOA_X
ClientSampleId :

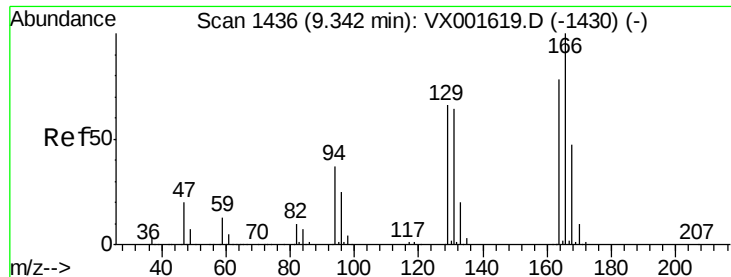
Tgt Ion: 43 Resp: 386649
Ion Ratio Lower Upper
43 100
58 53.8 43.0 64.4
57 19.1 15.4 23.0



#60
4-Bromofluorobenzene
Concen: 28.77 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 95 Resp: 139973
Ion Ratio Lower Upper
95 100
174 100.9 80.2 120.2
176 98.0 79.2 118.8

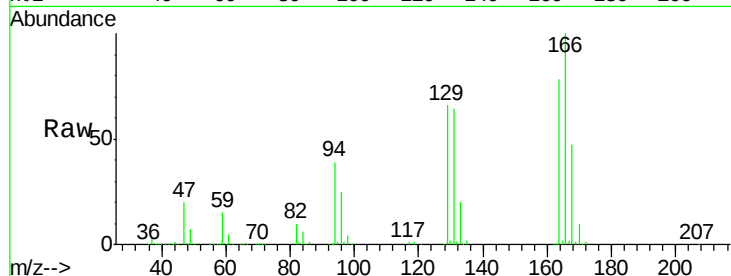




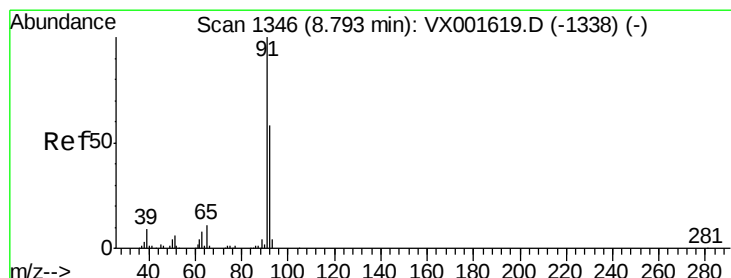
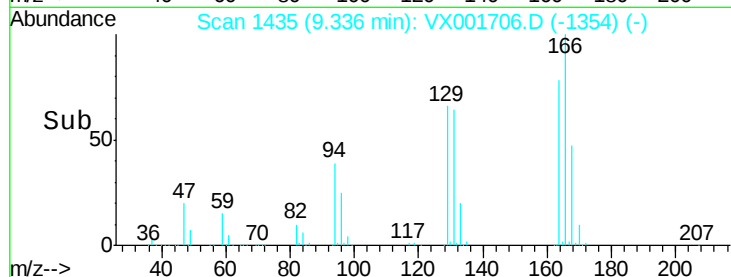
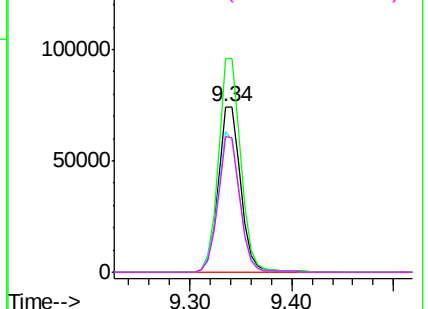
#61
Tetrachloroethene
Concen: 25.66 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:164 Resp: 114752
Ion Ratio Lower Upper
164 100
166 128.7 102.8 154.2
129 85.0 67.8 101.8
131 82.2 66.2 99.2

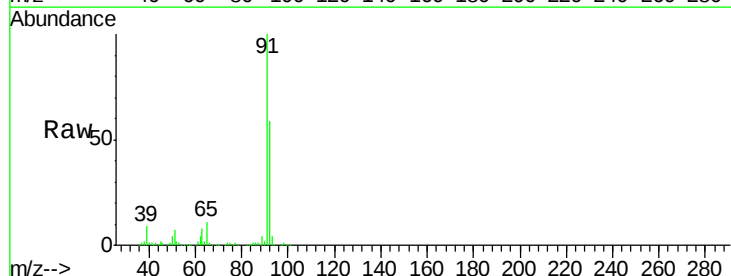


Abundance Ion 163.85 (163.55 to 164.55): V
150000
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

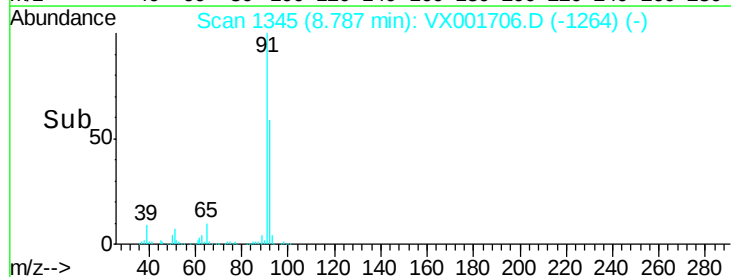
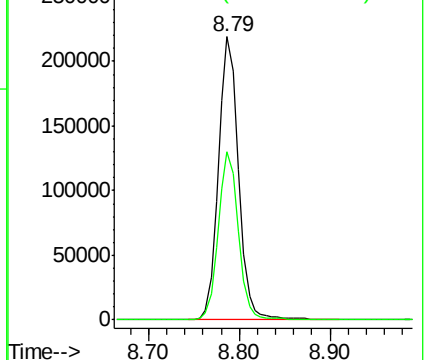


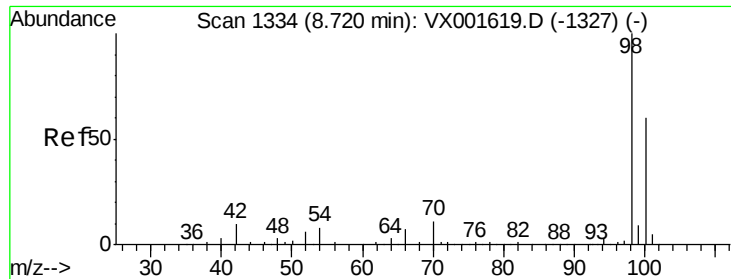
#62
Toluene
Concen: 22.99 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 91 Resp: 340013
Ion Ratio Lower Upper
91 100
92 59.4 47.4 71.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
250000
Ion 92.00 (91.70 to 92.70): VX0

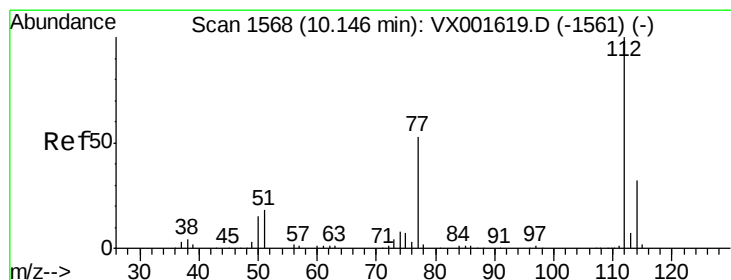
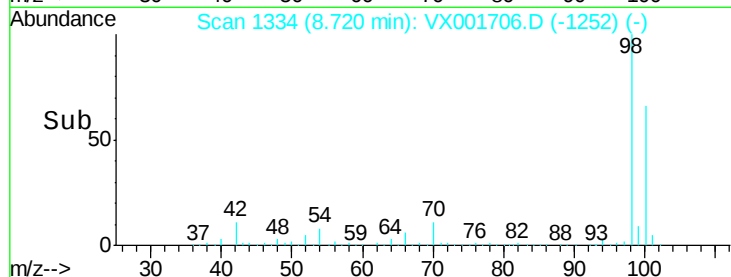
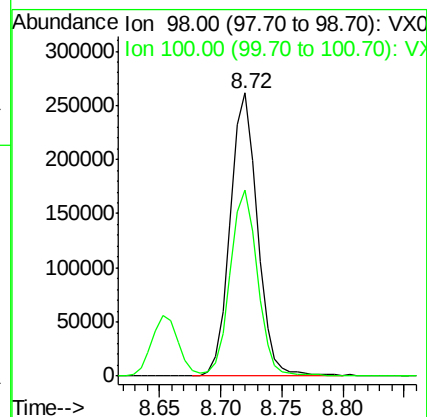
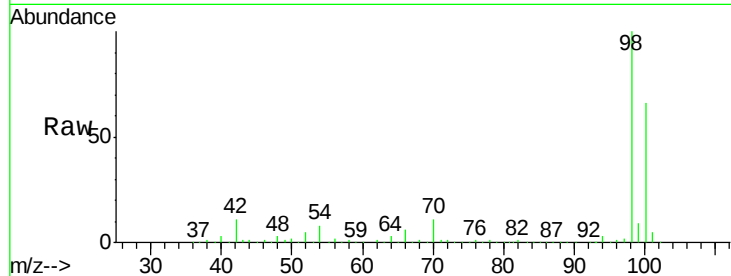




#63
Toluene-d8
Concen: 29.47 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

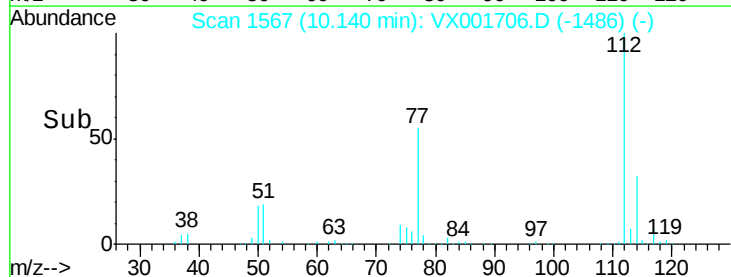
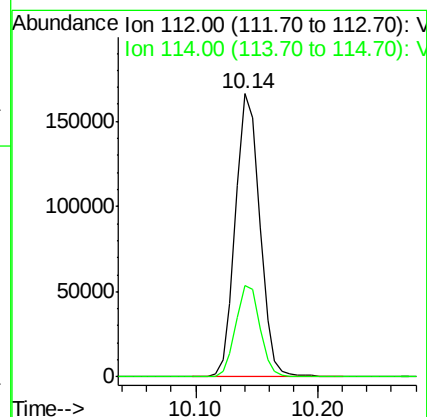
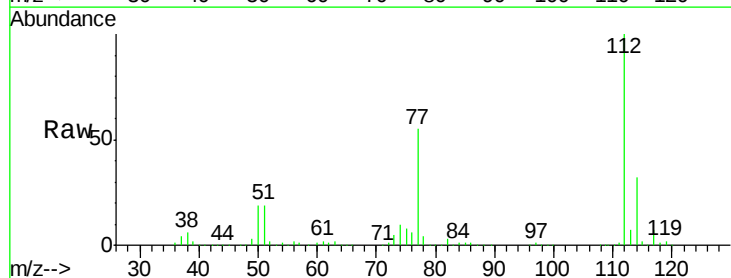
Instrument :
MSVOA_X
ClientSampleId :

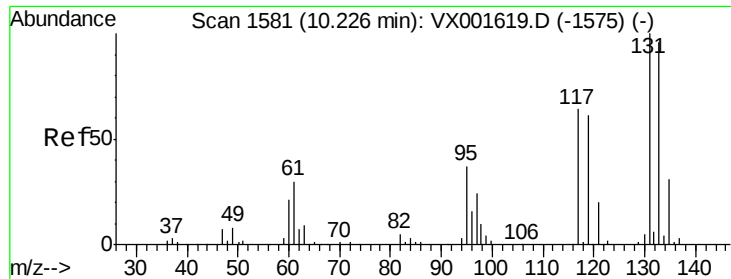
Tgt Ion: 98 Resp: 404012
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2



#64
Chlorobenzene
Concen: 23.54 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion: 112 Resp: 228739
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 22.85 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

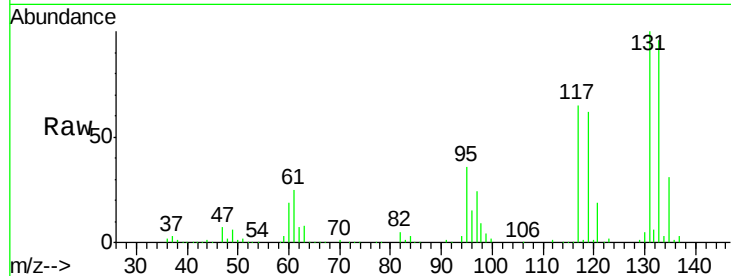
Tgt Ion: 131 Resp: 83890

Ion Ratio Lower Upper

131 100

133 95.3 0.0 191.4

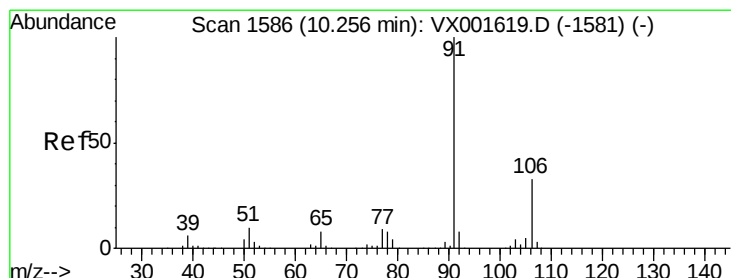
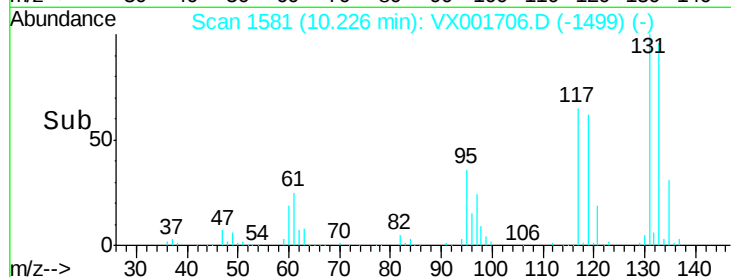
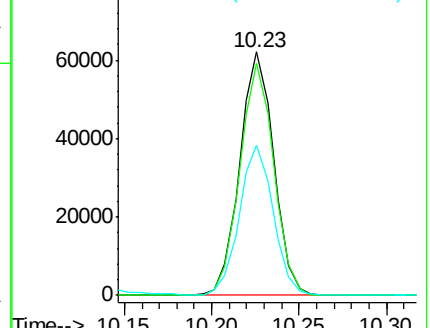
119 61.7 0.0 124.2



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: 24.44 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001706.D

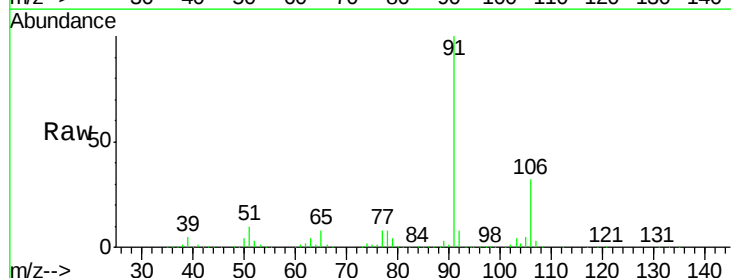
Acq: 14 May 2018 11:14

Tgt Ion: 91 Resp: 375014

Ion Ratio Lower Upper

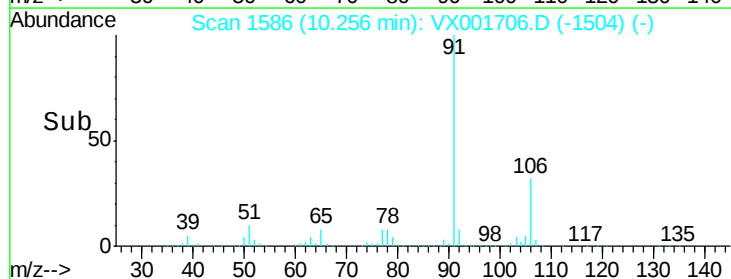
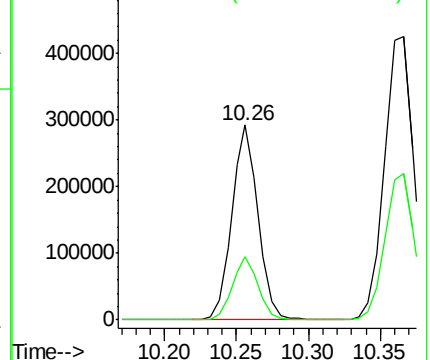
91 100

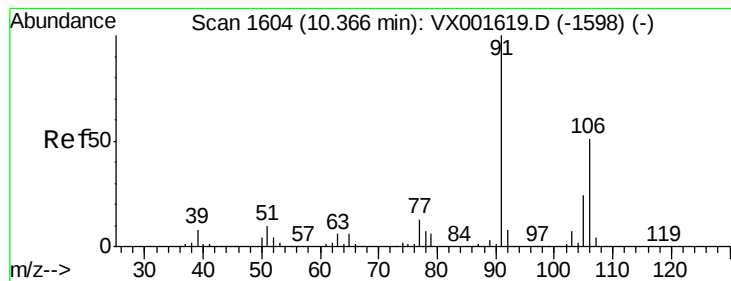
106 32.5 26.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 49.80 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

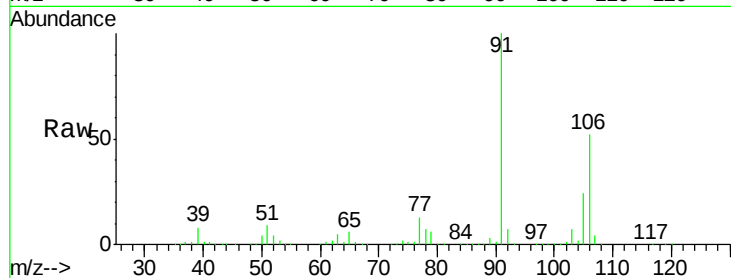
ClientSampleId :

Tgt Ion:106 Resp: 305161

Ion Ratio Lower Upper

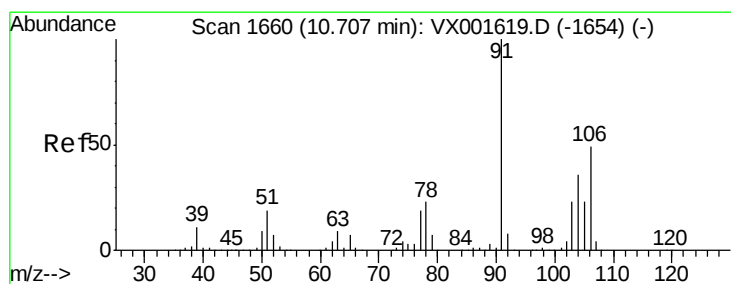
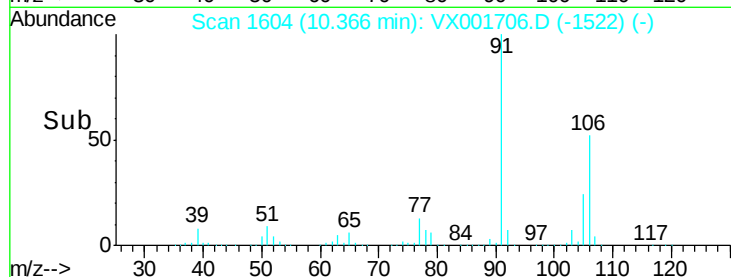
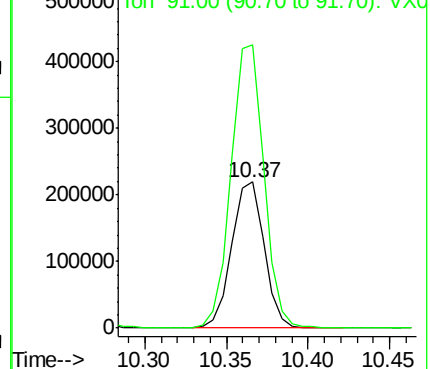
106 100

91 196.0 157.8 236.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 23.69 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX001706.D

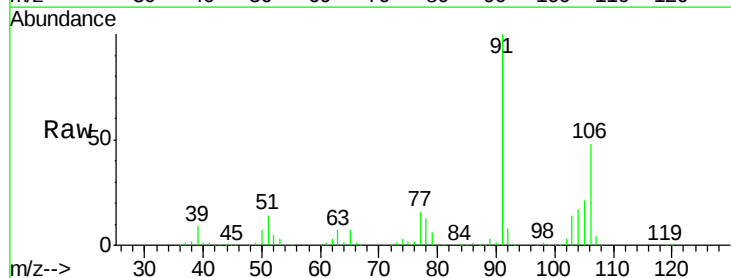
Acq: 14 May 2018 11:14

Tgt Ion:106 Resp: 143615

Ion Ratio Lower Upper

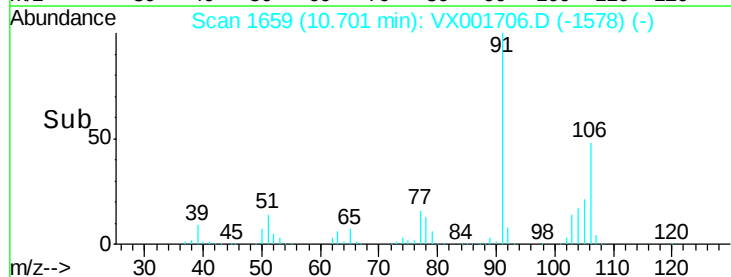
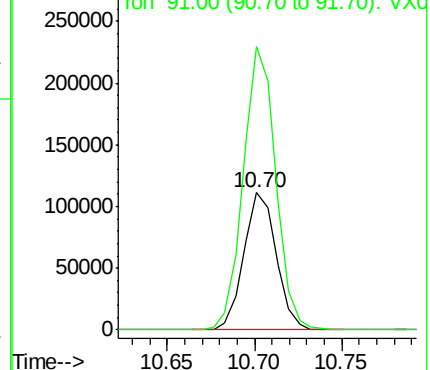
106 100

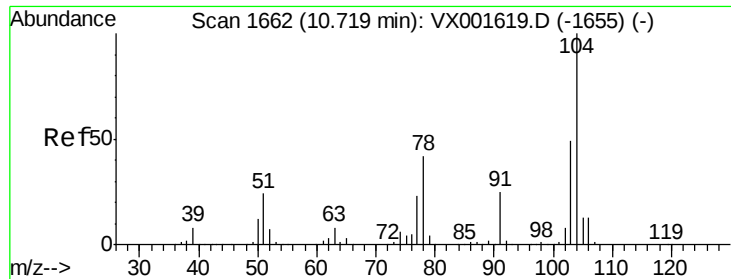
91 207.0 104.3 312.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

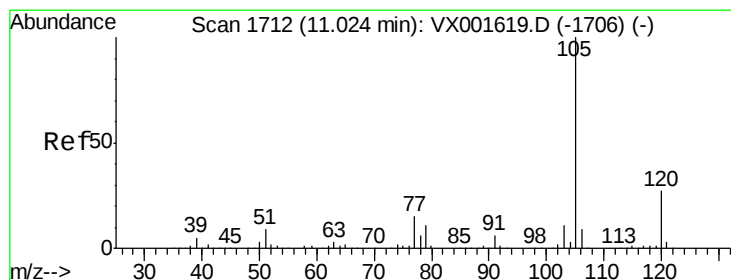
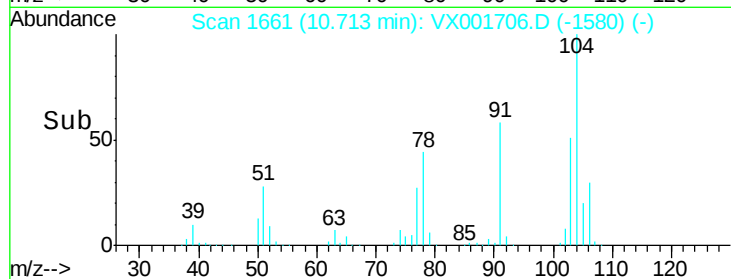
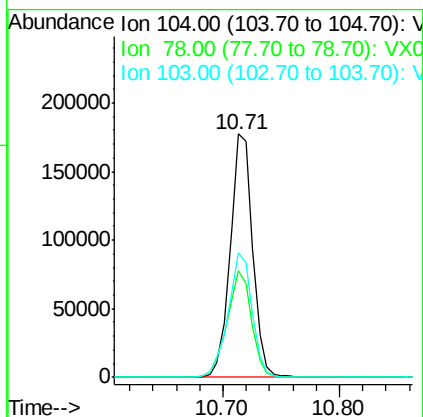
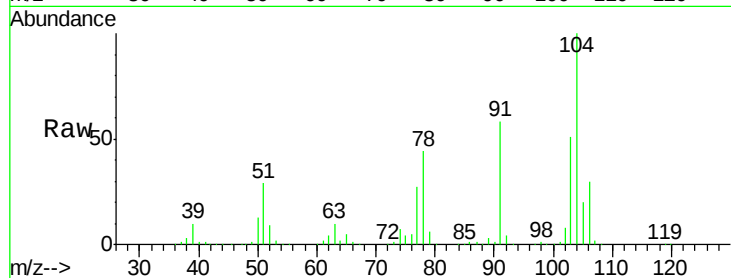




#69
Styrene
Concen: 23.85 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

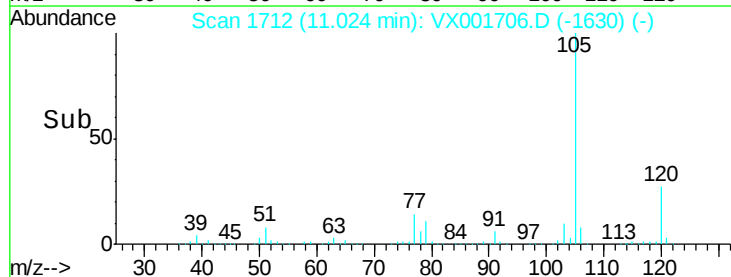
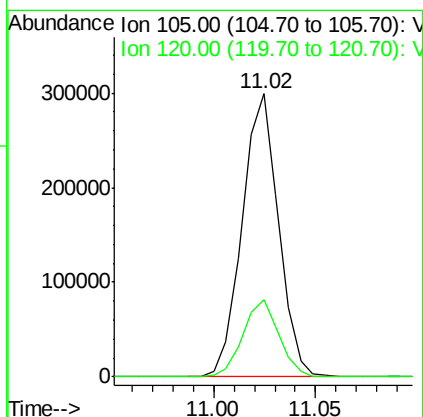
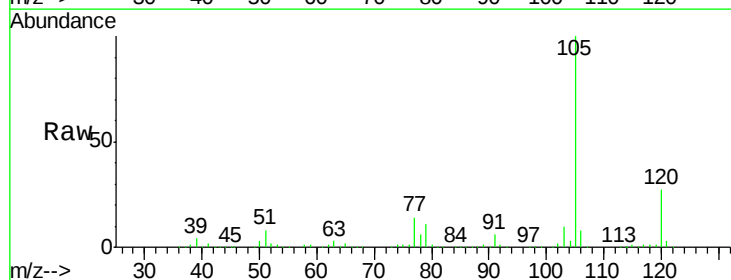
Instrument :
MSVOA_X
ClientSampleId :

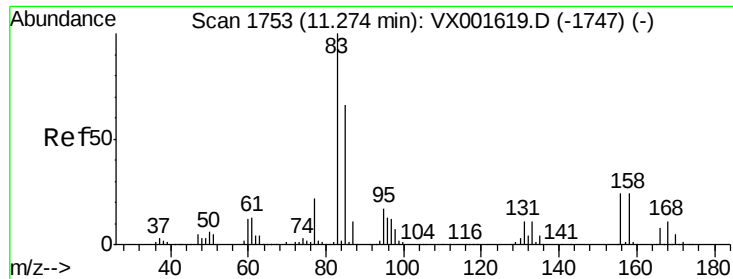
Tgt Ion:104 Resp: 238587
Ion Ratio Lower Upper
104 100
78 47.3 39.3 58.9
103 54.2 43.7 65.5



#70
Isopropylbenzene
Concen: 23.68 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion:105 Resp: 369778
Ion Ratio Lower Upper
105 100
120 27.1 19.1 35.5

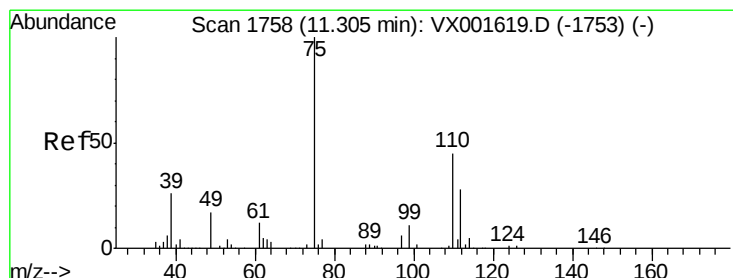
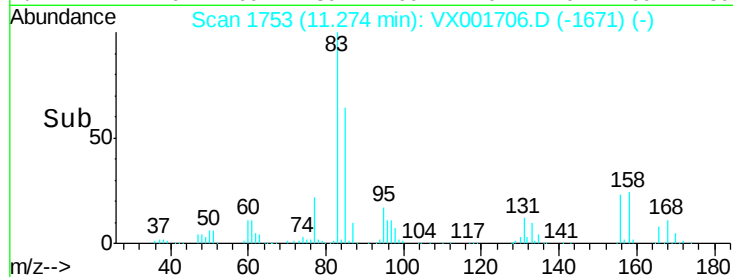
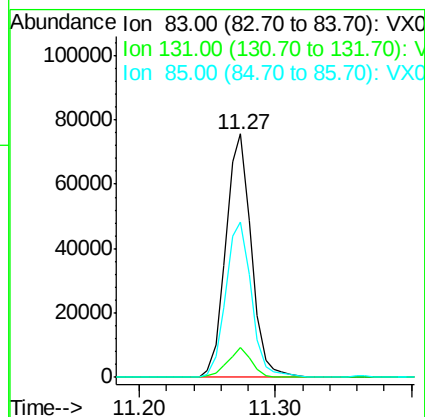
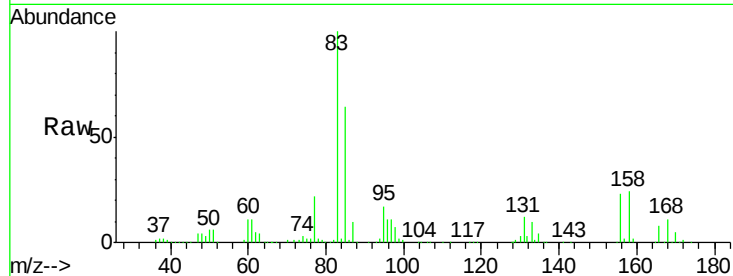




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.75 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

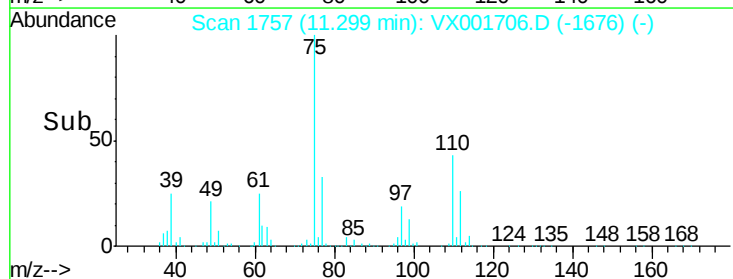
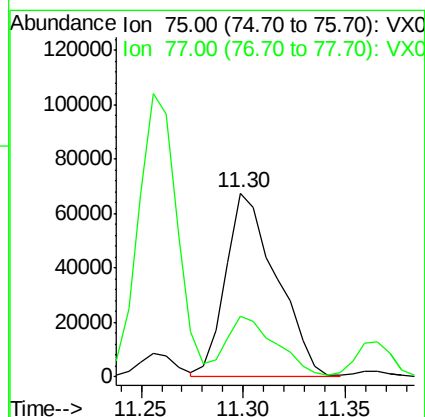
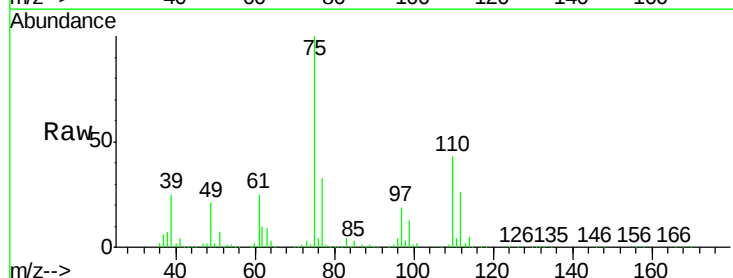
Instrument :
 MSVOA_X
 ClientSampleId :

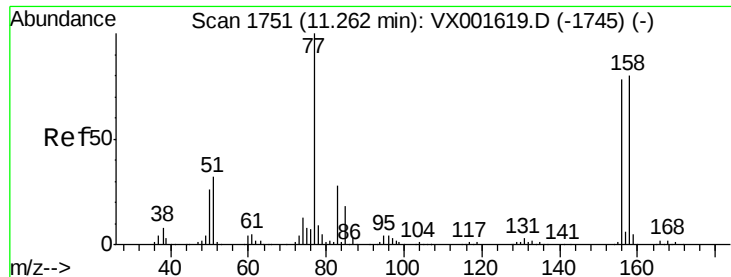
Tgt Ion: 83 Resp: 98221
 Ion Ratio Lower Upper
 83 100
 131 11.4 5.8 17.4
 85 64.5 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 23.04 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

Tgt Ion: 75 Resp: 116945
 Ion Ratio Lower Upper
 75 100
 77 32.6 0.0 73.2





#73

Bromobenzene

Concen: 21.88 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampled :

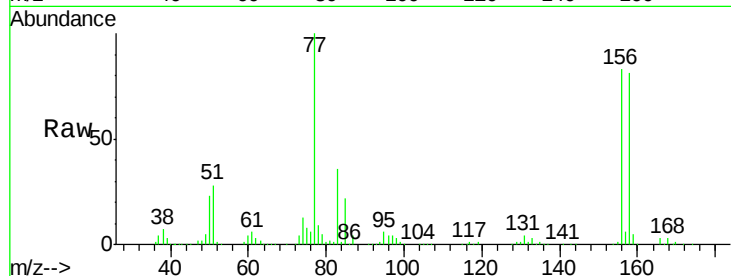
Tgt Ion:156 Resp: 103552

Ion Ratio Lower Upper

156 100

77 131.3 0.0 266.4

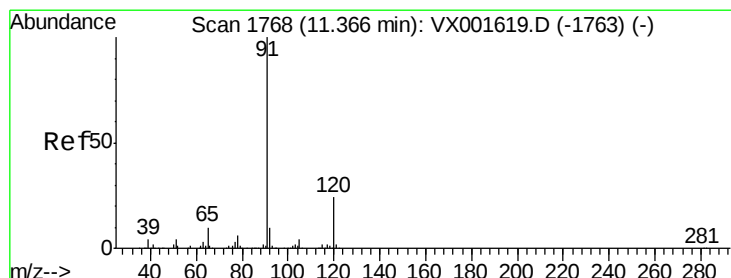
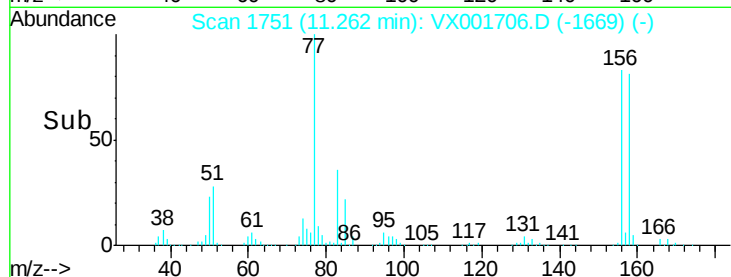
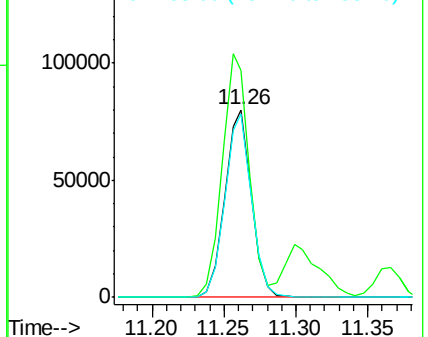
158 98.3 0.0 194.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 24.79 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001706.D

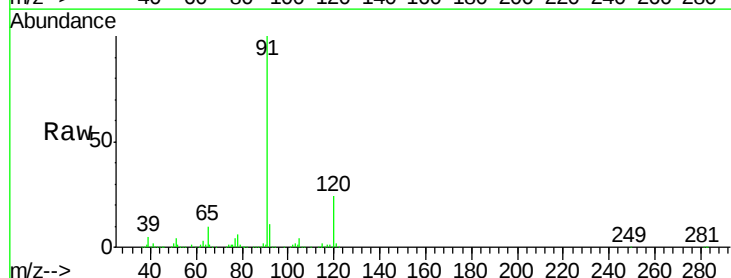
Acq: 14 May 2018 11:14

Tgt Ion: 91 Resp: 426270

Ion Ratio Lower Upper

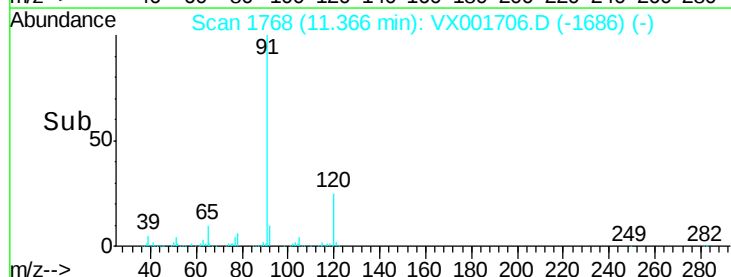
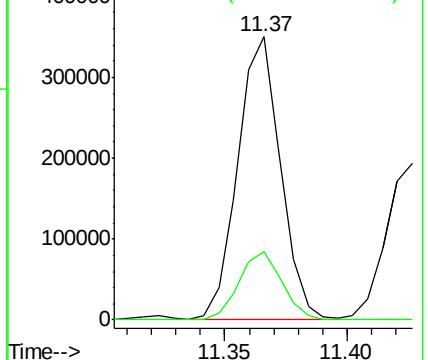
91 100

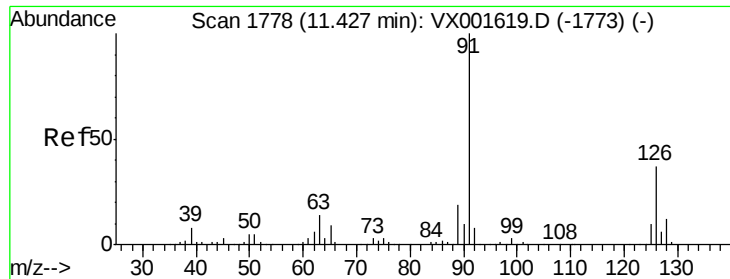
120 24.2 0.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 23.07 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

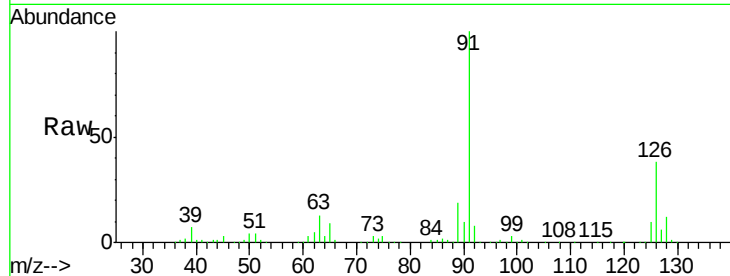
ClientSampleId :

Tgt Ion: 91 Resp: 248743

Ion Ratio Lower Upper

91 100

126 36.7 0.0 72.0



Abundance Ion 91.00 (90.70 to 91.70): VX001619.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX001619.D (-1773) (-)

400000

300000

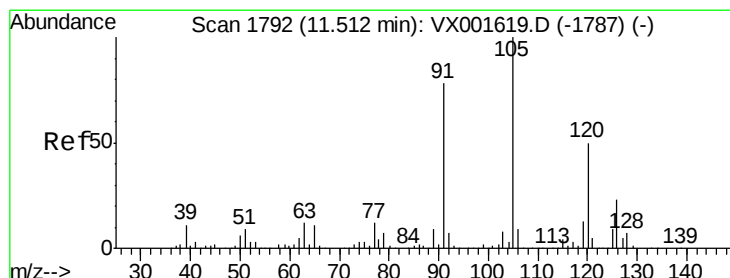
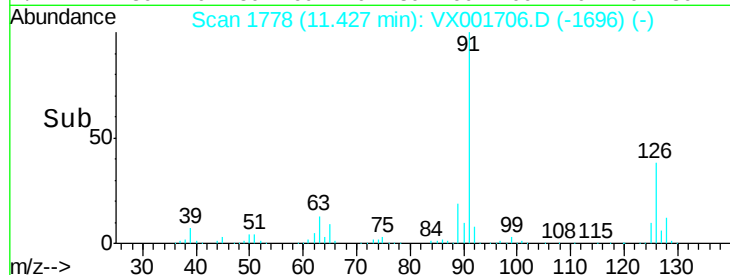
200000

100000

0

11.40 11.43 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 23.58 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001706.D

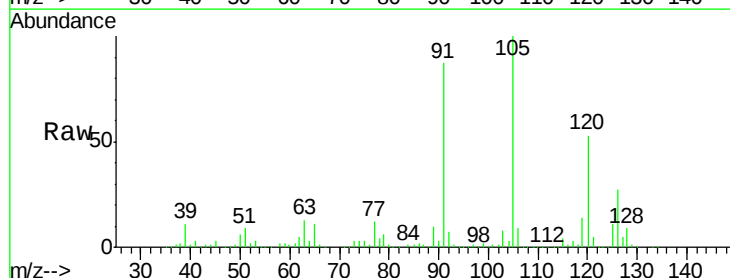
Acq: 14 May 2018 11:14

Tgt Ion: 105 Resp: 309947

Ion Ratio Lower Upper

105 100

120 51.8 0.0 101.8



Abundance Ion 105.00 (104.70 to 105.70): VX001619.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VX001619.D (-1787) (-)

300000

250000

200000

150000

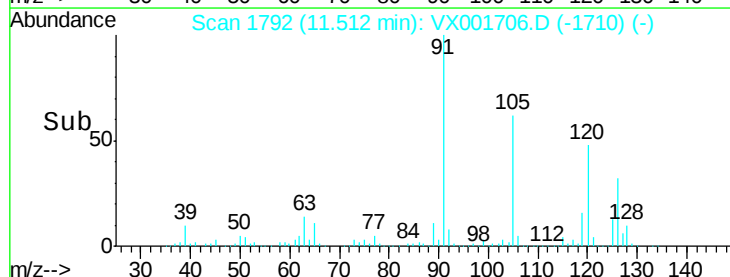
100000

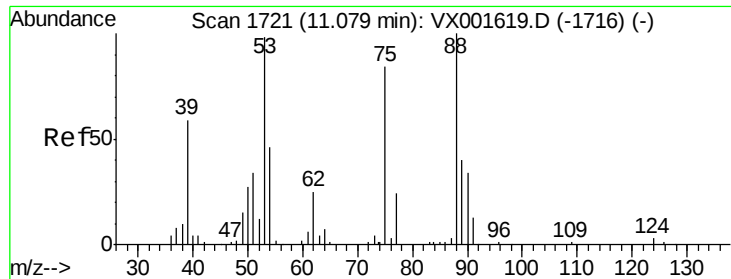
50000

0

11.45 11.50 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 20.93 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

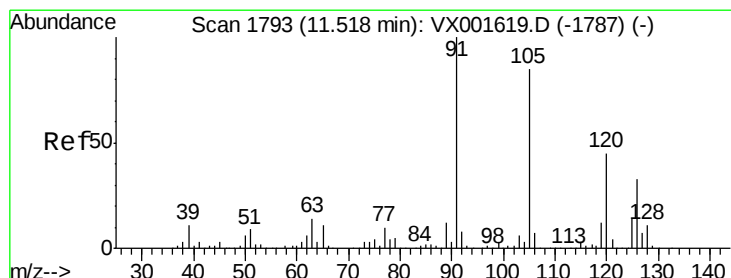
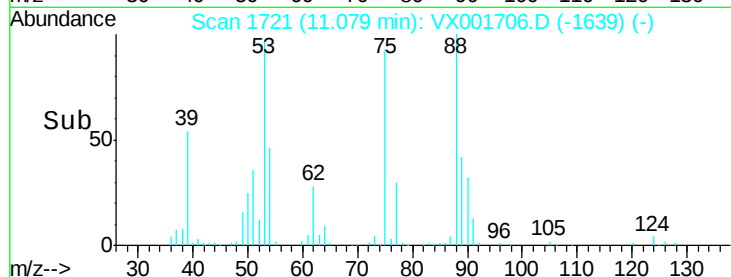
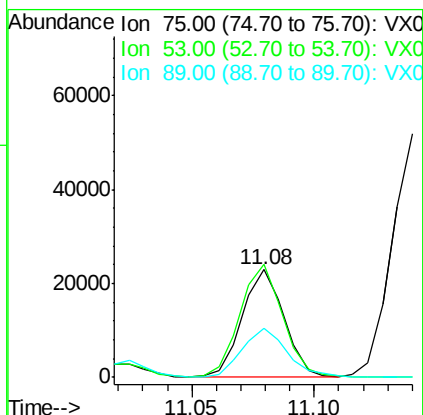
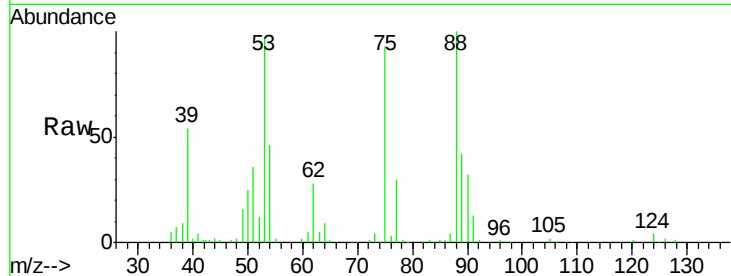
Tgt Ion: 75 Resp: 27321

Ion Ratio Lower Upper

75 100

53 104.2 58.3 174.8

89 45.4 23.9 71.8



#78

4-Chlorotoluene

Concen: 23.66 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX001706.D

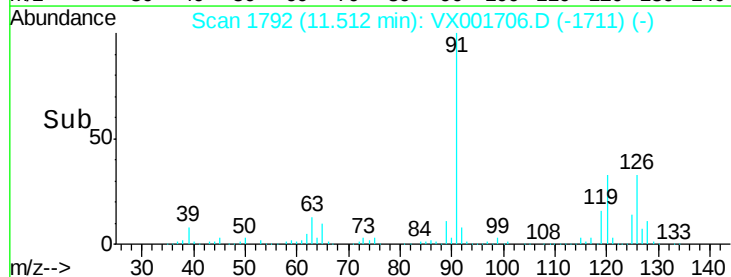
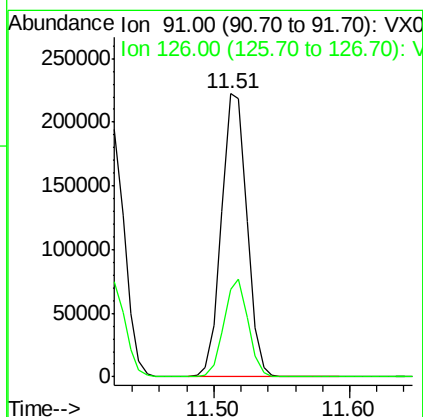
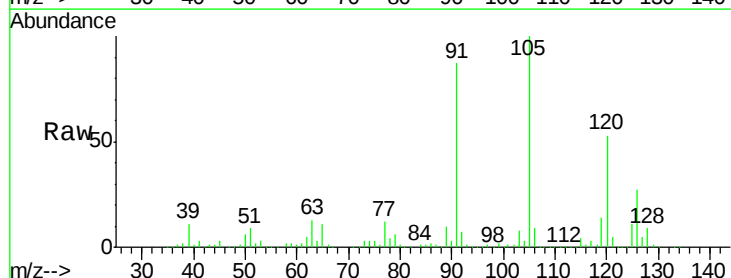
Acq: 14 May 2018 11:14

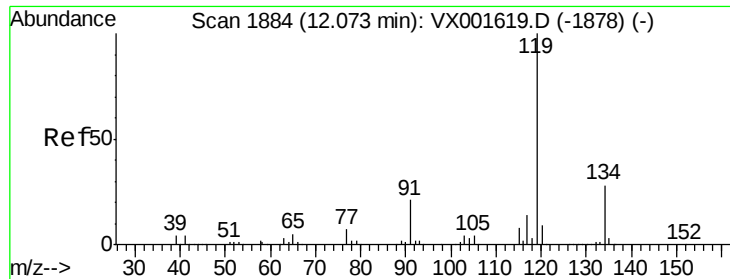
Tgt Ion: 91 Resp: 290084

Ion Ratio Lower Upper

91 100

126 32.6 0.0 64.8

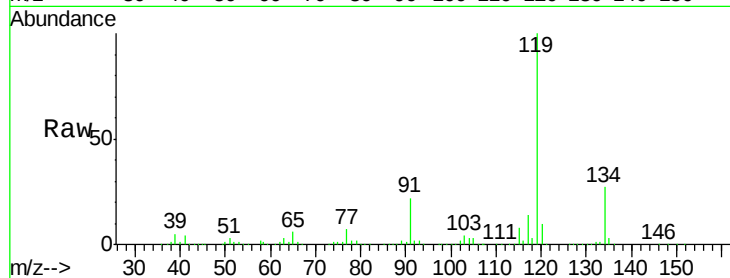




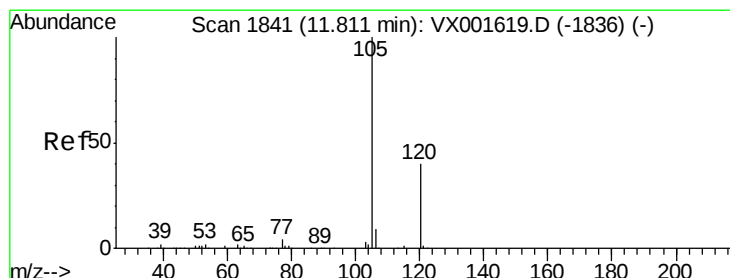
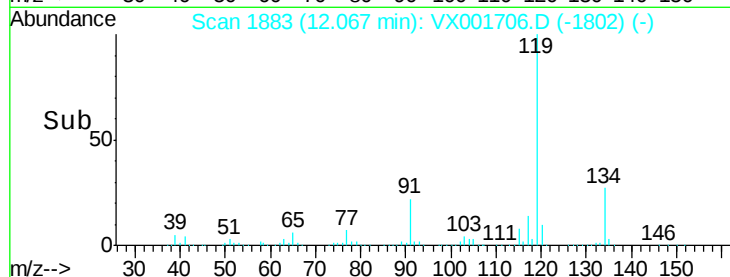
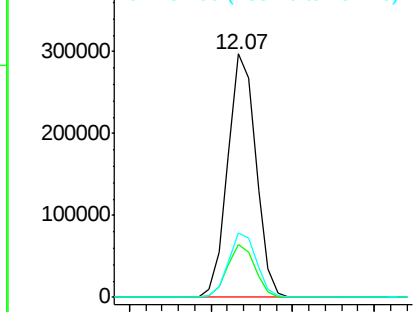
#79
tert-butylbenzene
Concen: 25.68 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:119 Resp: 357086
Ion Ratio Lower Upper
119 100
91 21.2 0.0 44.0
134 26.6 0.0 53.8

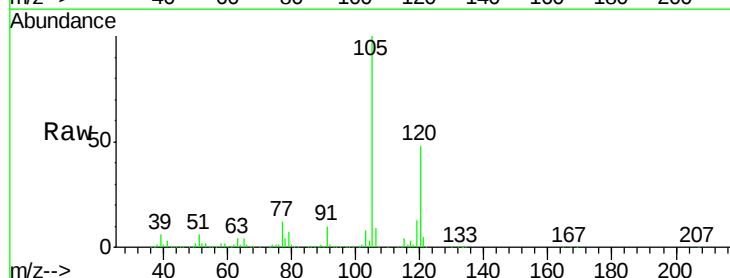


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V

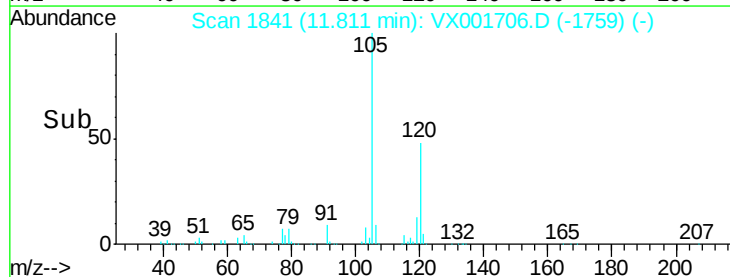
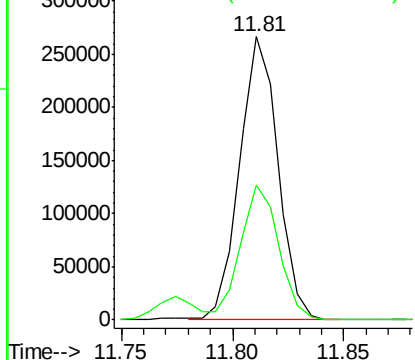


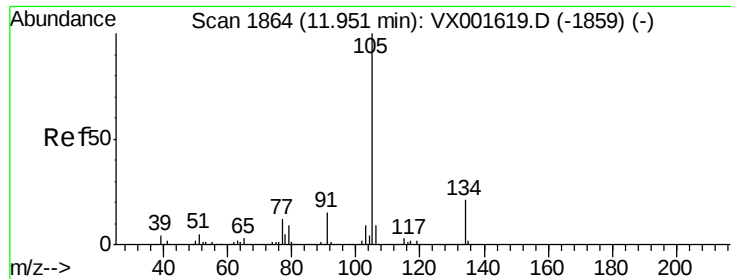
#80
1,2,4-Trimethylbenzene
Concen: 23.78 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion:105 Resp: 319057
Ion Ratio Lower Upper
105 100
120 47.0 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

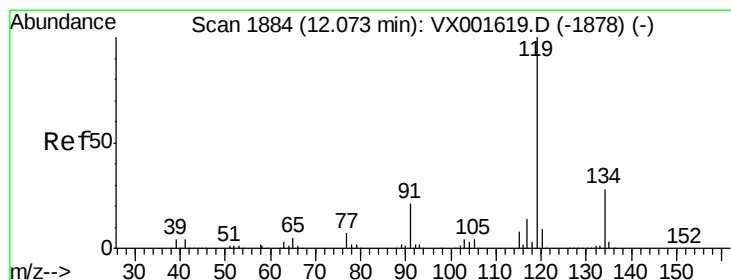
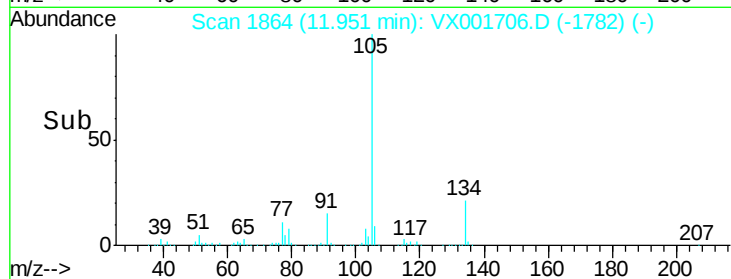
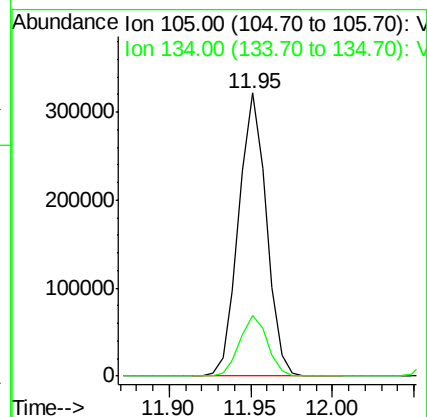
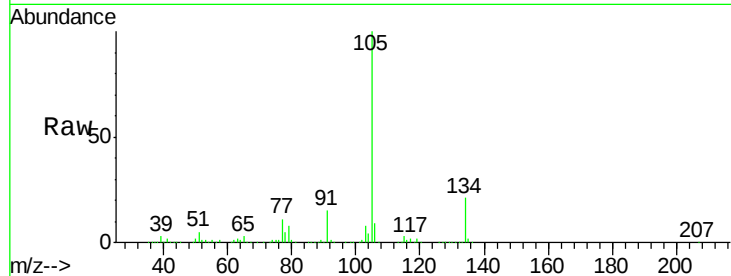




#81
 sec-Butylbenzene
 Concen: 25.00 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

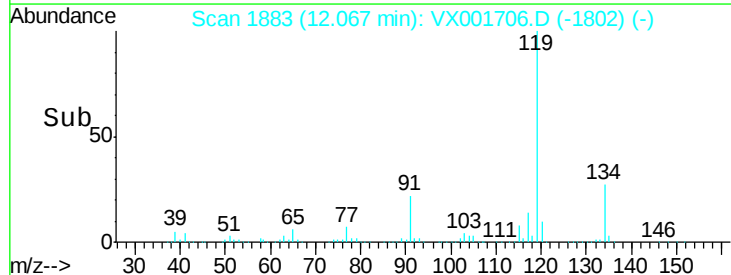
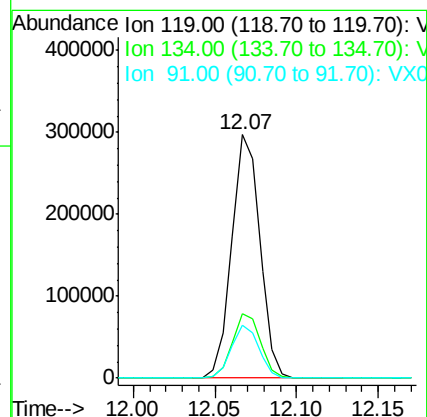
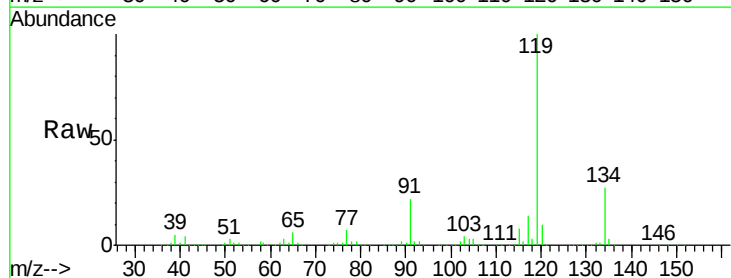
Instrument :
 MSVOA_X
 ClientSampleId :

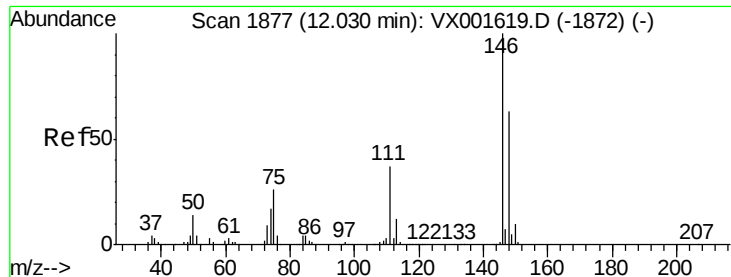
Tgt Ion:105 Resp: 380586
 Ion Ratio Lower Upper
 105 100
 134 21.6 0.0 43.4



#82
 p-Isopropyltoluene
 Concen: 25.68 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

Tgt Ion:119 Resp: 357086
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 53.8
 91 21.2 0.0 44.0

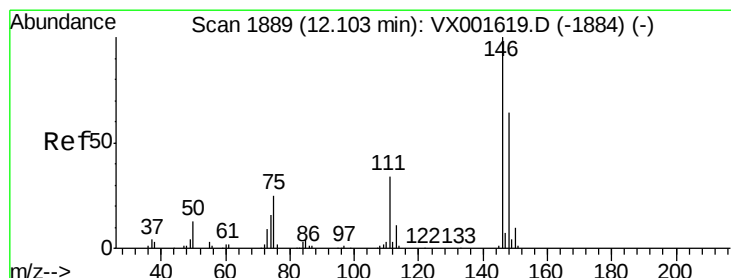
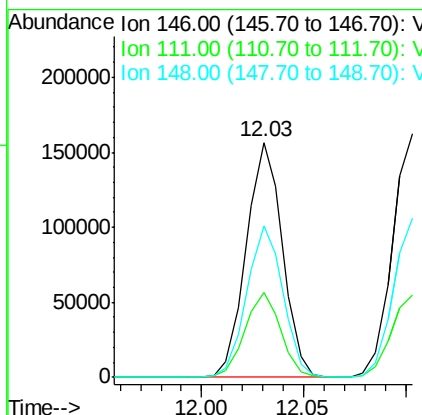
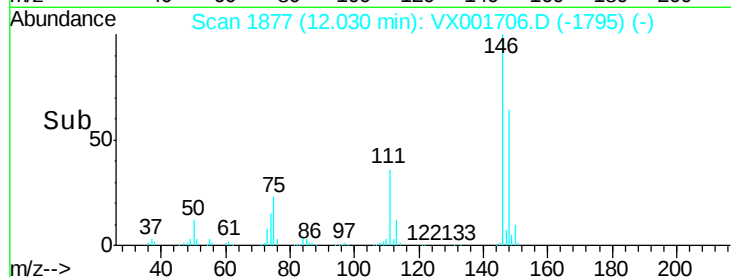
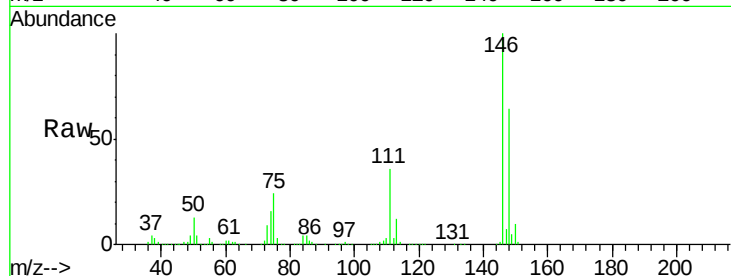




#83
 1,3-Dichlorobenzene
 Concen: 23.42 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

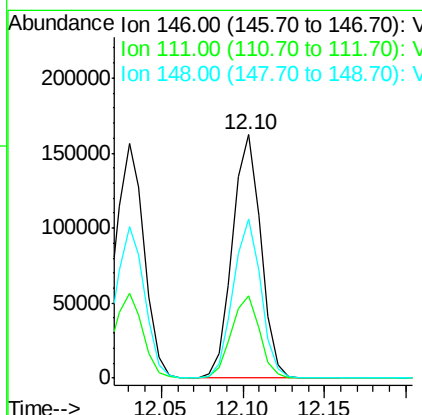
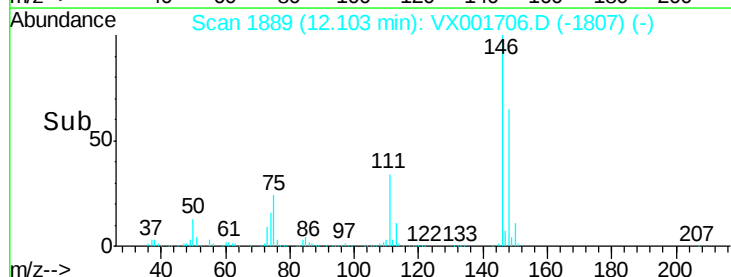
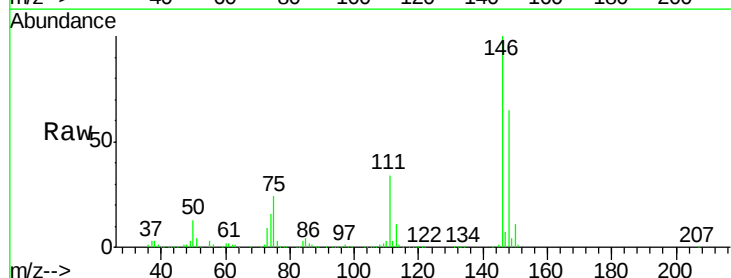
Instrument :
 MSVOA_X
 ClientSampleId :

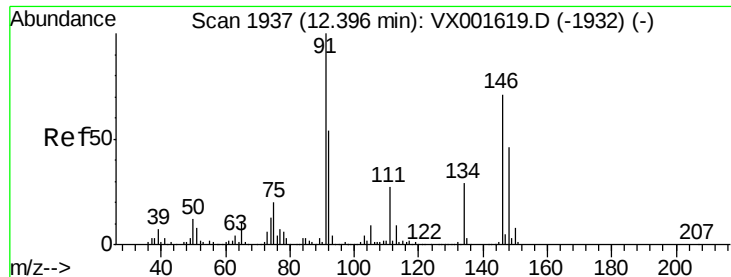
Tgt Ion:146 Resp: 193327
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.1 54.1
 148 64.4 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 23.80 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

Tgt Ion:146 Resp: 197448
 Ion Ratio Lower Upper
 146 100
 111 33.4 17.4 52.3
 148 63.9 32.5 97.4





#85

n-Butylbenzene

Concen: 26.68 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

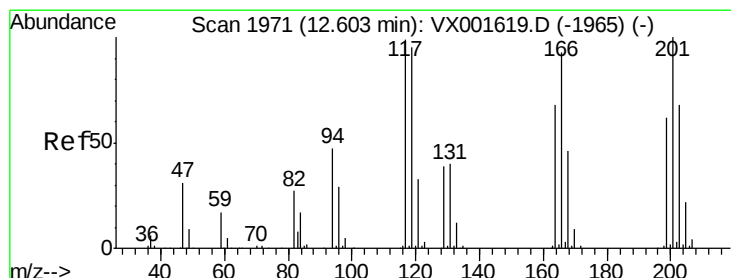
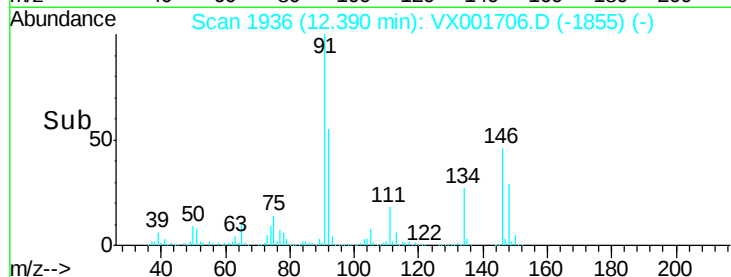
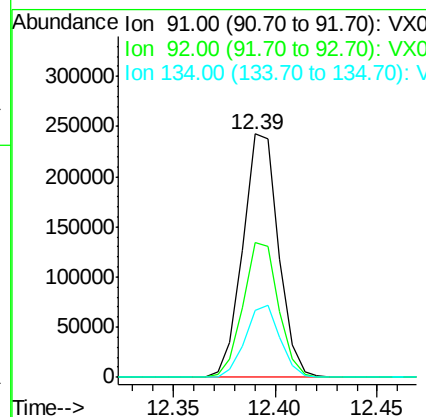
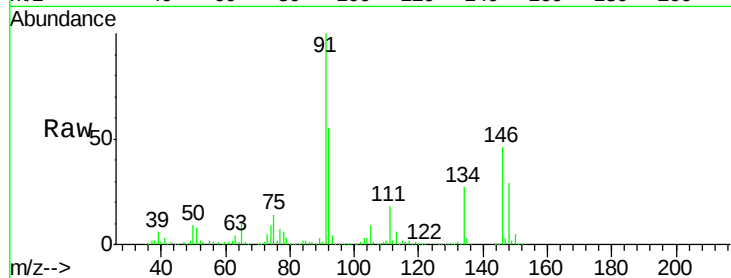
Tgt Ion: 91 Resp: 295020

Ion Ratio Lower Upper

91 100

92 54.9 0.0 107.8

134 29.0 0.0 56.8



#86

Hexachloroethane

Concen: 23.35 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX001706.D

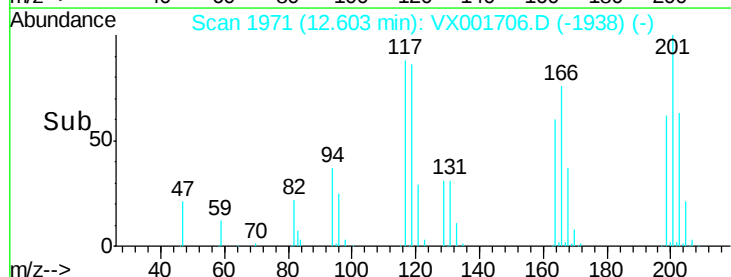
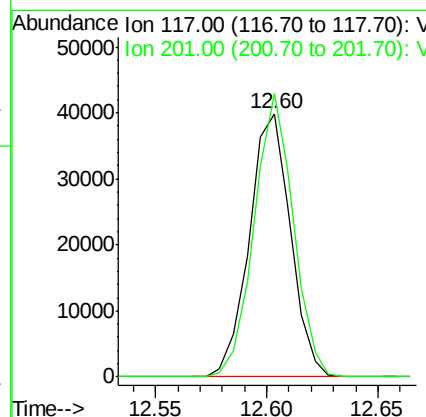
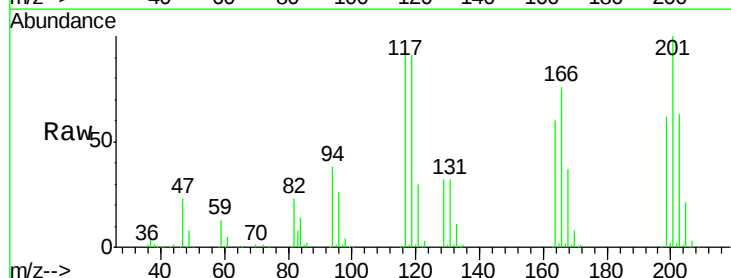
Acq: 14 May 2018 11:14

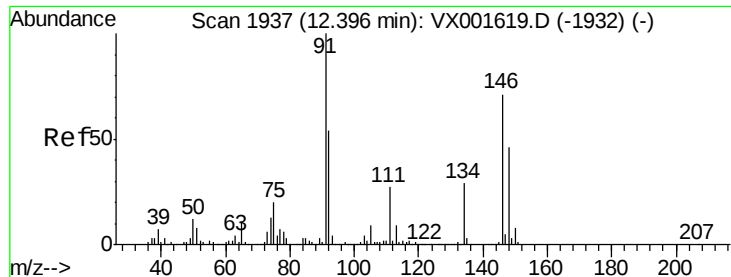
Tgt Ion: 117 Resp: 51518

Ion Ratio Lower Upper

117 100

201 101.6 50.1 150.3





#87

1,2-Dichlorobenzene

Concen: 22.33 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

Instrument :

MSVOA_X

ClientSampleId :

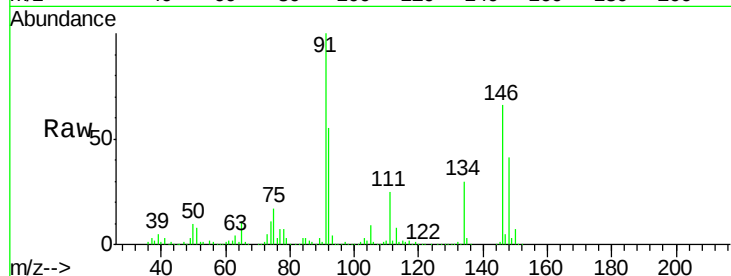
Tgt Ion:146 Resp: 191107

Ion Ratio Lower Upper

146 100

111 37.4 18.7 56.1

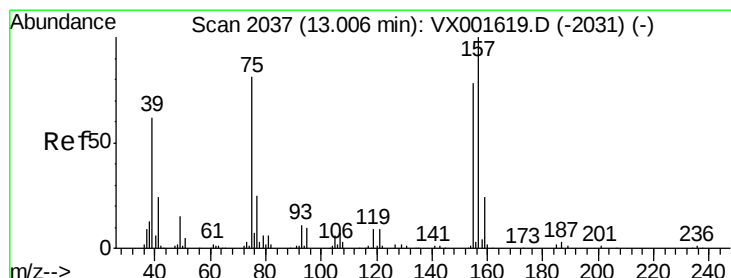
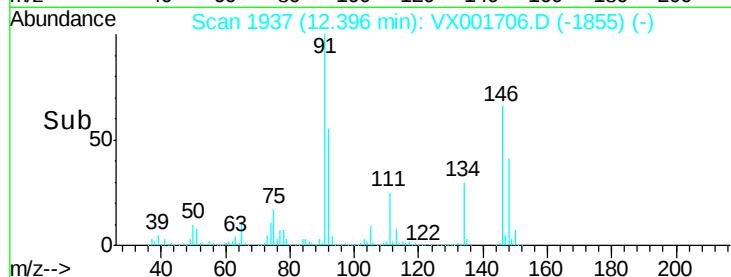
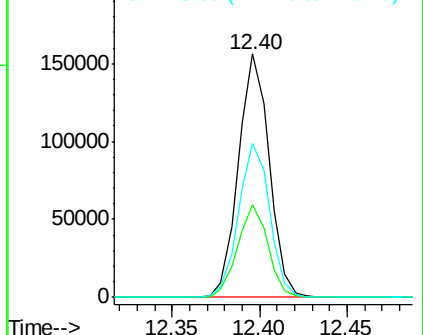
148 63.9 32.1 96.5



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: 17.37 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001706.D

Acq: 14 May 2018 11:14

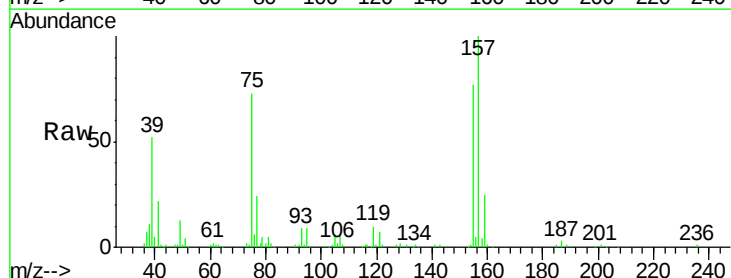
Tgt Ion: 75 Resp: 21201

Ion Ratio Lower Upper

75 100

155 103.8 79.8 119.8

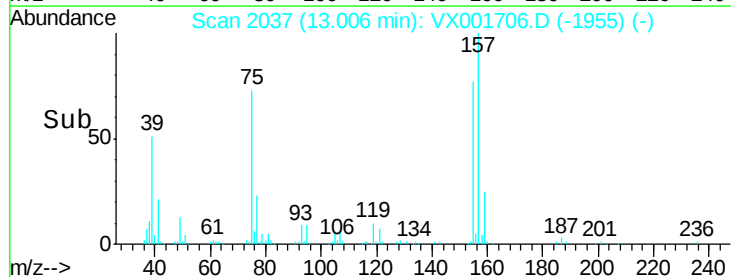
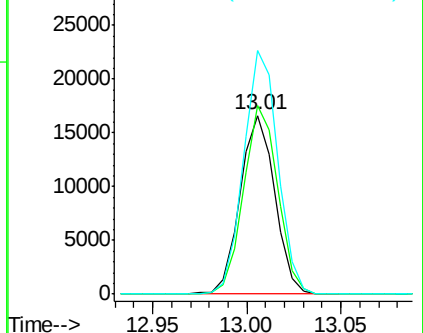
157 134.9 105.4 158.2

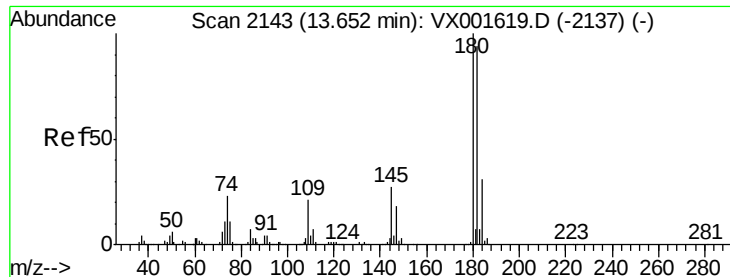


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

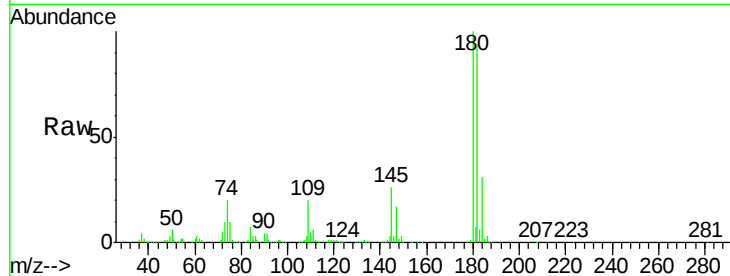




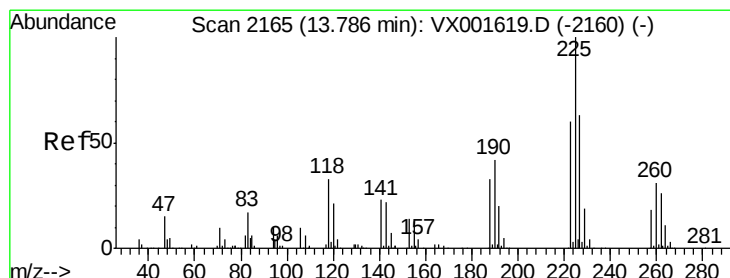
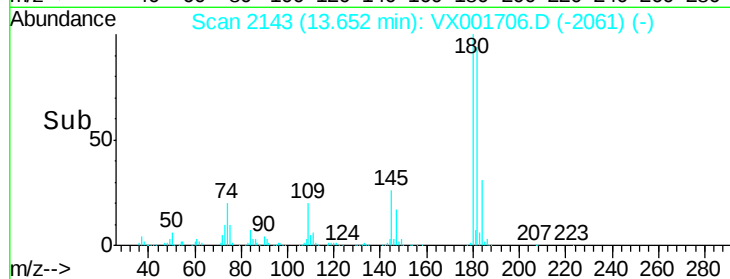
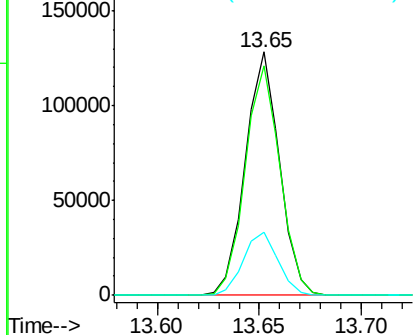
#89
 1,2,4-Trichlorobenzene
 Concen: 24.56 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:180 Resp: 149338
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 115.0
 145 26.6 21.5 32.3

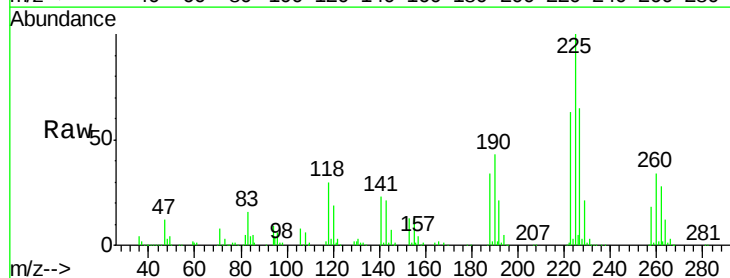


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

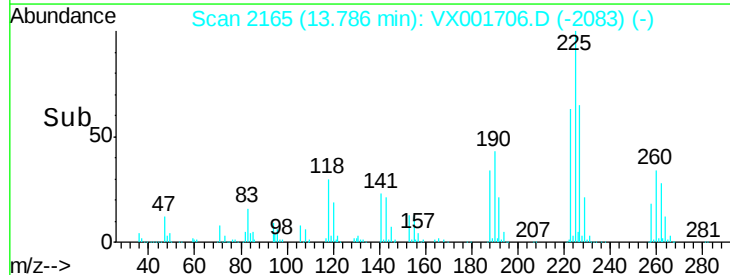
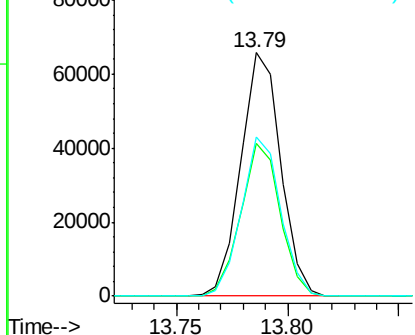


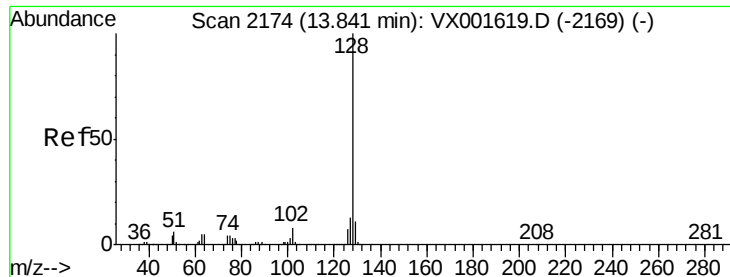
#90
 Hexachlorobutadiene
 Concen: 26.47 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001706.D
 Acq: 14 May 2018 11:14

Tgt Ion:225 Resp: 82364
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 120.2
 227 64.4 0.0 126.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

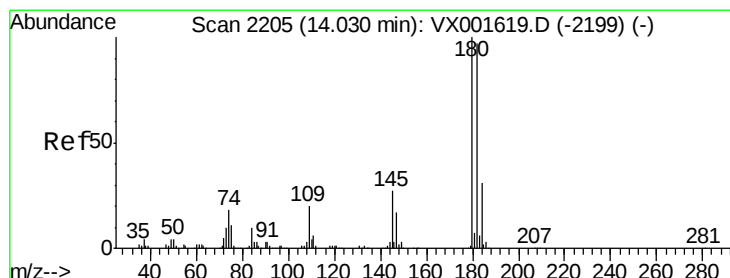
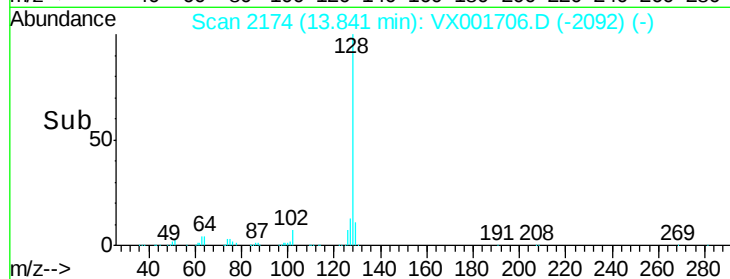
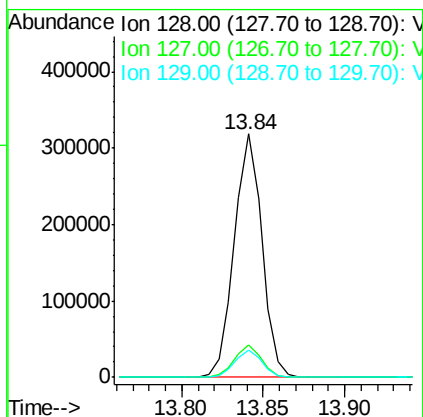
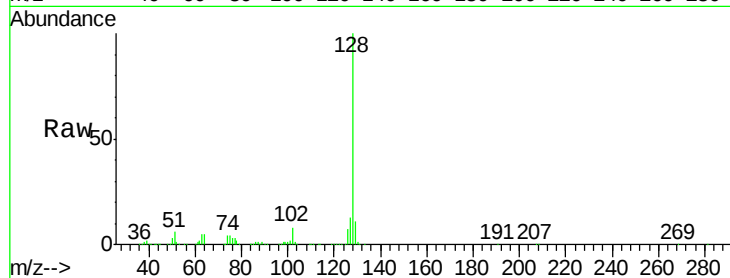




#91
Naphthalene
Concen: 20.68 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 376556
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 23.45 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VX001706.D
Acq: 14 May 2018 11:14

Tgt Ion:180 Resp: 150818
Ion Ratio Lower Upper
180 100
182 95.5 0.0 192.2
145 28.2 0.0 56.0

