

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
 Data File : VX000106.D
 Acq On : 20 Feb 2018 13:52
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Quant Time: Feb 21 05:40:16 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 05:38:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	15841	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	95528	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	90201	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.09	65	36464	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	11.15	95	44039	30.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.00%
63) Toluene-d8	8.73	98	116103	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	19213	20.00	ug/l	100
3) Chloromethane	1.32	50	19936	20.00	ug/l	100
4) Vinyl Chloride	1.40	62	23406	20.00	ug/l	100
5) Bromomethane	1.65	94	21097	20.00	ug/l	100
6) Chloroethane	1.73	64	14733	20.00	ug/l	100
7) Trichlorofluoromethane	1.93	101	39994	20.00	ug/l	100
8) Diethyl Ether	2.20	74	14628	20.00	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	22118	20.00	ug/l	100
10) 1,1-Dichloroethene	2.38	96	21230	20.00	ug/l	100
11) Methyl Iodide	2.51	142	17057	20.00	ug/l	100
12) Methyl Acetate	2.79	43	37837	20.00	ug/l	100
13) Acrolein	2.30	56	21596	100.00	ug/l	100
14) Acrylonitrile	3.16	53	82170	100.00	ug/l	100
15) Acetone	2.45	58	28011	100.00	ug/l	100
16) Carbon Disulfide	2.57	76	59728	20.00	ug/l	100
17) Allyl chloride	2.73	41	35667	20.00	ug/l	100
18) Methylene Chloride	2.86	84	22631	20.00	ug/l	100
19) trans-1,2-Dichloroethene	3.17	96	22799	20.00	ug/l	100
20) Diisopropyl ether	3.89	45	54482	20.00	ug/l	100
21) 1,1-Dichloroethane	3.70	63	38759	20.00	ug/l	100
22) cis-1,2-Dichloroethene	4.61	96	21196	20.00	ug/l	100
23) tert-Butyl Alcohol	3.08	59	48027	100.48	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	72558	20.00	ug/l	100
25) Chloroform	5.23	83	36700	20.00	ug/l	100
26) Cyclohexane	5.59	56	28907	20.00	ug/l #	100
29) 1,1-Dichloropropene	5.81	75	27541	20.00	ug/l	100
30) 2-Butanone	4.72	43	110011	100.00	ug/l	100
31) 2,2-Dichloropropane	4.60	77	29699	20.00	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	33498	20.00	ug/l	100
33) Carbon Tetrachloride	5.79	117	29585	20.00	ug/l	100
34) Benzene	6.15	78	80480	20.00	ug/l	100
35) Methacrylonitrile	5.07	41	19614	20.00	ug/l	100
36) 1,2-Dichloroethane	6.21	62	30372	20.00	ug/l	100
37) Trichloroethene	7.22	130	23920	20.00	ug/l	100
38) Methylcyclohexane	7.47	83	32439	20.00	ug/l	100
39) 1,2-Dichloropropane	7.52	63	20335	20.00	ug/l	100
40) Dibromomethane	7.68	93	15283	20.00	ug/l	100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	29481	20.00	ug/l	100
42) Vinyl Acetate	3.84	43	264501	100.00	ug/l	100
43) Ethyl Acetate	4.88	43	38449	20.00	ug/l	100
44) Isopropyl Acetate	6.48	43	54916	20.00	ug/l	100
45) 1,4-Dioxane	7.77	88	13599	400.00	ug/l	100
46) Methyl methacrylate	7.79	41	26810	20.00	ug/l	100
47) n-amyl Acetate	10.91	43	47188	20.00	ug/l	100
48) t-1,3-Dichloropropene	8.45	75	34610	20.00	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	33436	20.00	ug/l	100
50) 1,1,2-Trichloroethane	9.23	97	22047	20.00	ug/l	100
51) Ethyl methacrylate	9.19	69	33591	20.00	ug/l	100
52) 1,3-Dichloropropane	9.38	76	36651	20.00	ug/l	100
53) Dibromochloromethane	9.59	129	24985	20.00	ug/l	100
54) 1,2-Dibromoethane	9.68	107	25124	20.00	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	85638	100.00	ug/l	100
56) Bromoform	10.87	173	19843	20.00	ug/l	100
58) 4-Methyl-2-Pentanone	8.66	43	203221	100.00	ug/l	100
59) 2-Hexanone	9.51	43	173057	100.00	ug/l	100
61) Tetrachloroethene	9.34	164	21937	20.00	ug/l	100
62) Toluene	8.79	91	94824	20.00	ug/l	100
64) Chlorobenzene	10.15	112	63234	20.00	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	22545	20.00	ug/l	100
66) Ethyl Benzene	10.26	91	108909	20.00	ug/l	100
67) m/p-Xylenes	10.37	106	83554	40.00	ug/l	100
68) o-Xylene	10.71	106	41237	20.00	ug/l	100
69) Styrene	10.72	104	68134	20.00	ug/l	100
70) Isopropylbenzene	11.02	105	111316	20.00	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.28	83	38395	20.00	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	48218	27.34	ug/l	82
73) Bromobenzene	11.26	156	28766	20.00	ug/l	100
74) n-propylbenzene	11.37	91	130400	20.00	ug/l	100
75) 2-Chlorotoluene	11.43	91	76192	20.00	ug/l	100
76) 1,3,5-Trimethylbenzene	11.52	105	93975	19.98	ug/l	70
77) t-1,4-Dichloro-2-butene	11.09	75	12310	20.00	ug/l	100
78) 4-Chlorotoluene	11.52	91	89823	20.00	ug/l	100
79) tert-butylbenzene	12.07	119	104569	22.13	ug/l	95
80) 1,2,4-Trimethylbenzene	11.82	105	97421	20.00	ug/l	100
81) sec-Butylbenzene	11.96	105	116965	20.00	ug/l	100
82) p-Isopropyltoluene	12.07	119	104569	20.00	ug/l	100
83) 1,3-Dichlorobenzene	12.04	146	55329	20.00	ug/l	100
84) 1,4-Dichlorobenzene	12.11	146	56963	20.00	ug/l	100
85) n-Butylbenzene	12.40	91	97767	20.00	ug/l	100
86) Hexachloroethane	12.60	117	17127	20.00	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	55515	20.00	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	10680	20.00	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	39750	20.00	ug/l	100
90) Hexachlorobutadiene	13.79	225	16555	20.00	ug/l	100
91) Naphthalene	13.84	128	142517	20.00	ug/l	100
92) 1,2,3-Trichlorobenzene	14.03	180	40472	20.00	ug/l	100

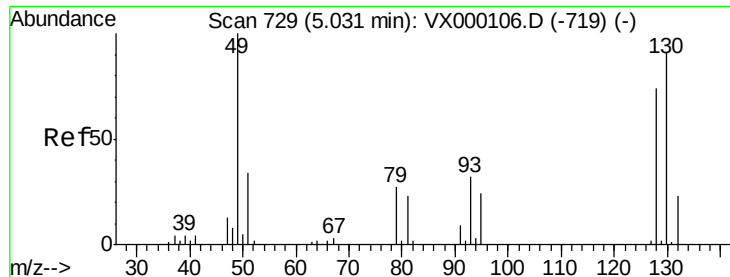
Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

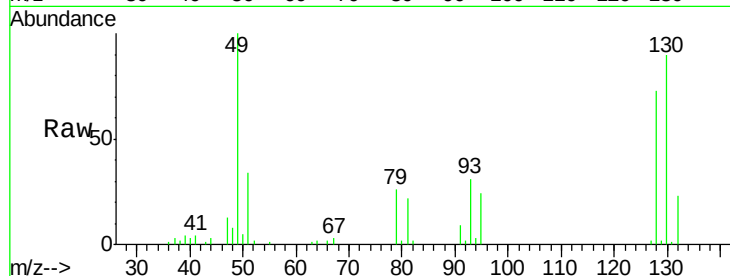
Tgt Ion:128 Resp: 15841

Ion Ratio Lower Upper

128 100

49 151.3 0.0 378.3

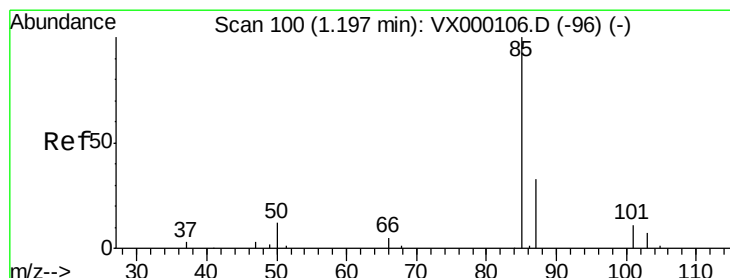
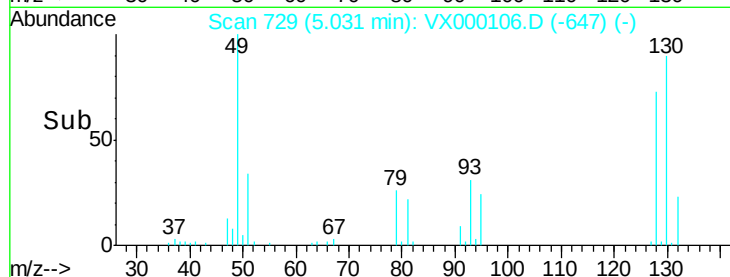
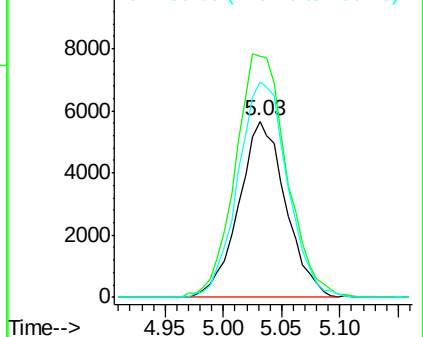
130 129.7 0.0 324.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000106.D

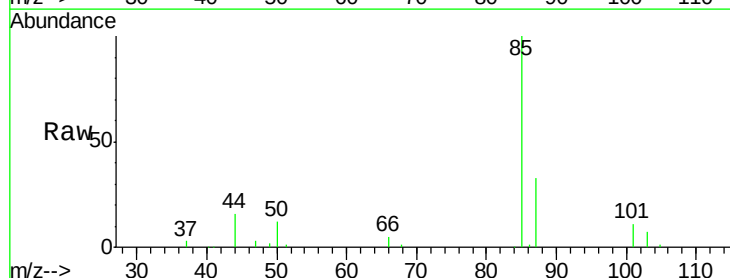
Acq: 20 Feb 2018 13:52

Tgt Ion: 85 Resp: 19213

Ion Ratio Lower Upper

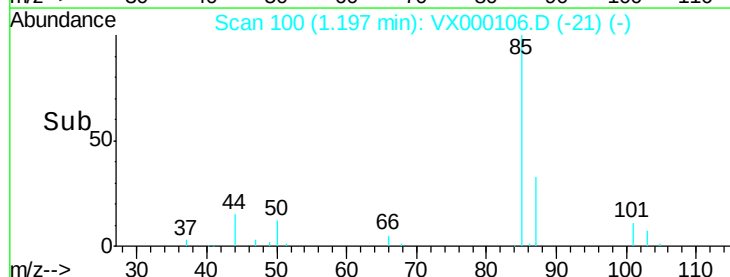
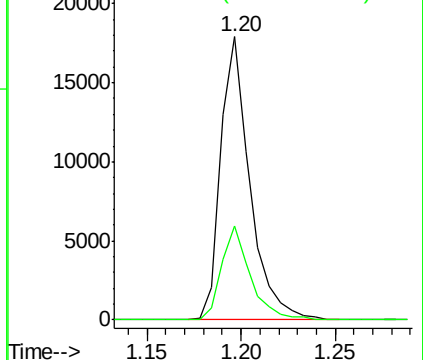
85 100

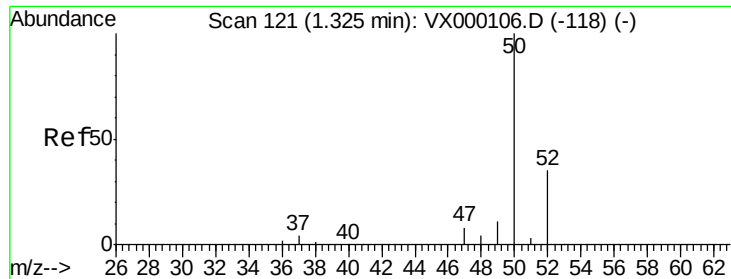
87 33.1 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

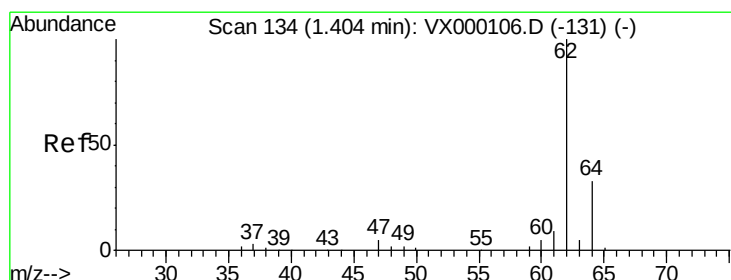
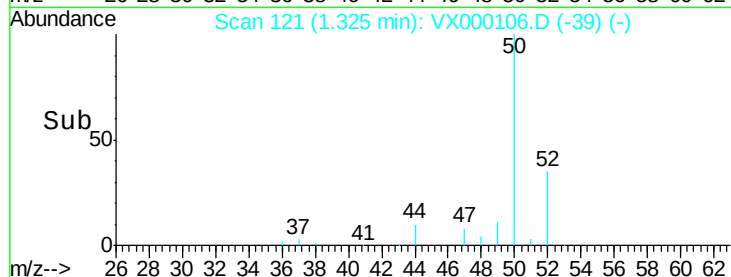
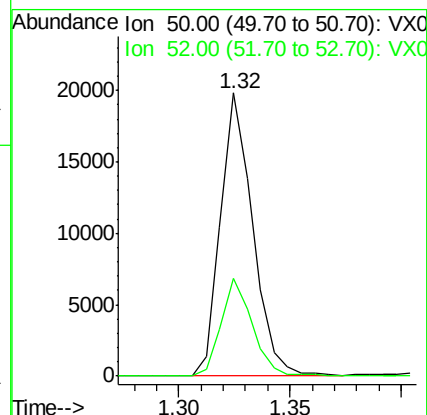
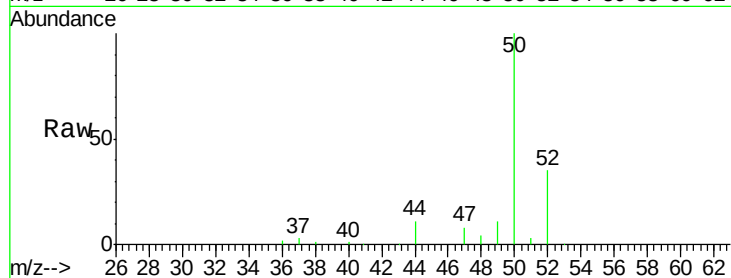
VSTDICCC020

Tgt Ion: 50 Resp: 19936

Ion Ratio Lower Upper

50 100

52 34.7 27.8 41.6



#4

Vinyl Chloride

Concen: 20.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX000106.D

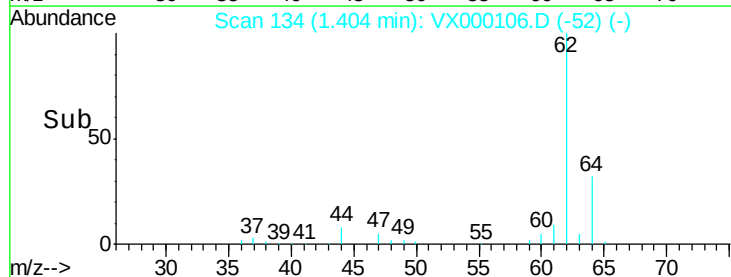
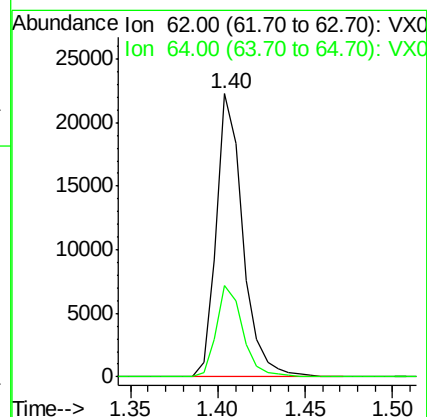
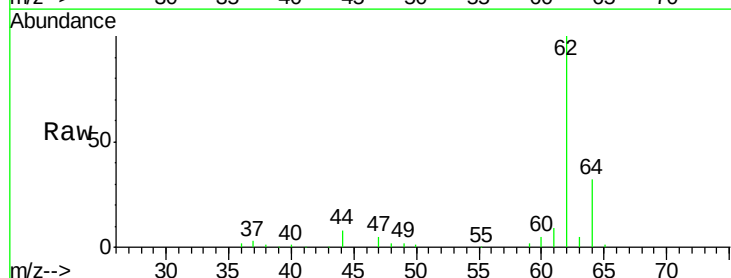
Acq: 20 Feb 2018 13:52

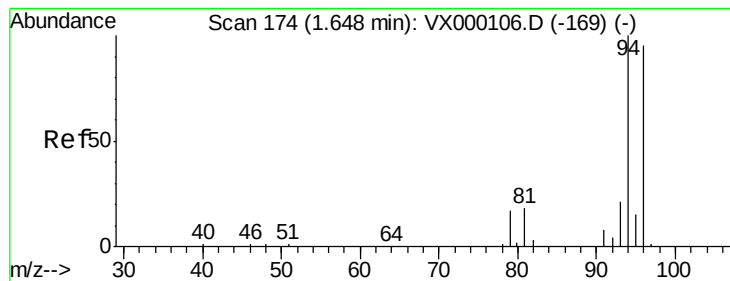
Tgt Ion: 62 Resp: 23406

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 20.00 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

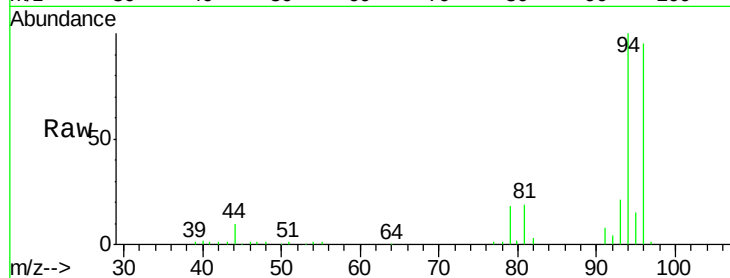
VSTDICCC020

Tgt Ion: 94 Resp: 21097

Ion Ratio Lower Upper

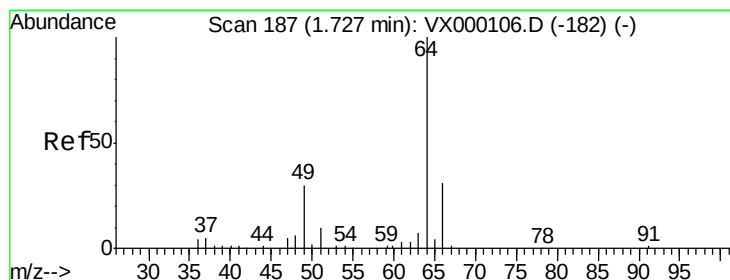
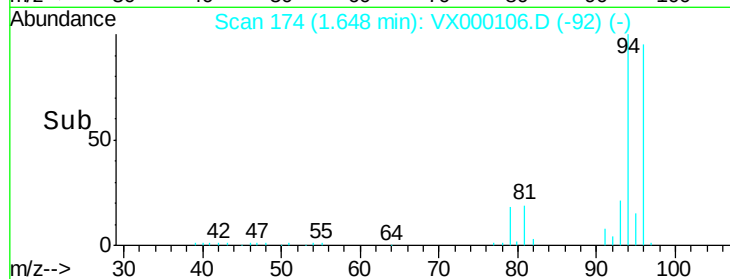
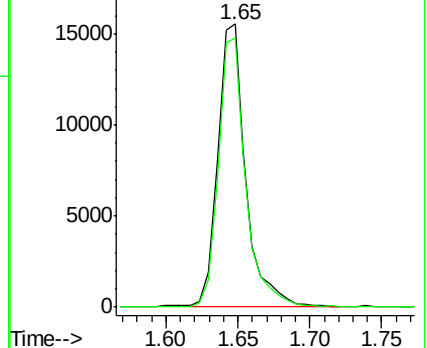
94 100

96 95.2 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 20.00 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000106.D

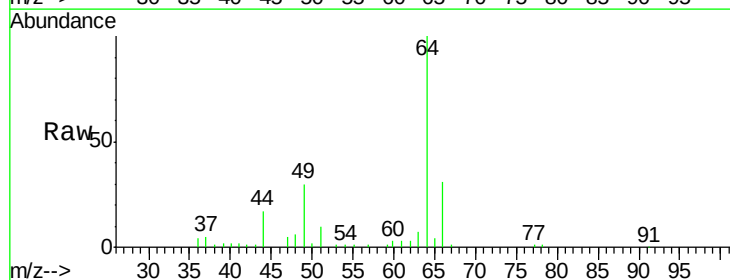
Acq: 20 Feb 2018 13:52

Tgt Ion: 64 Resp: 14733

Ion Ratio Lower Upper

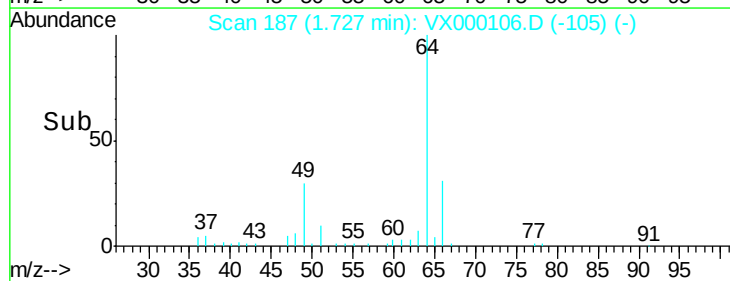
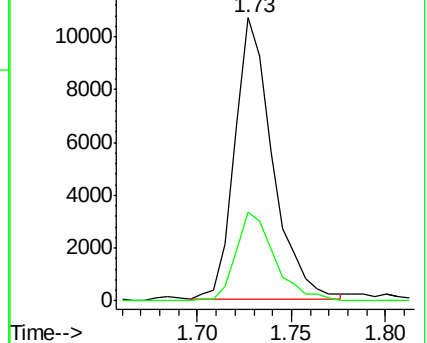
64 100

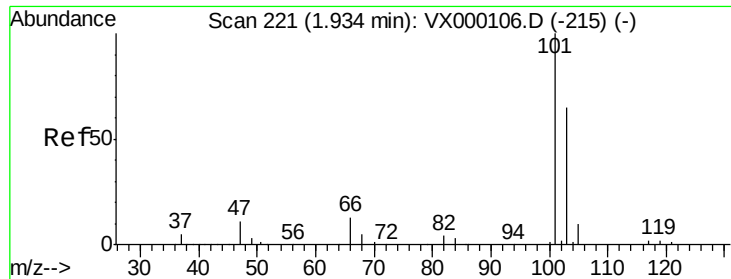
66 31.5 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



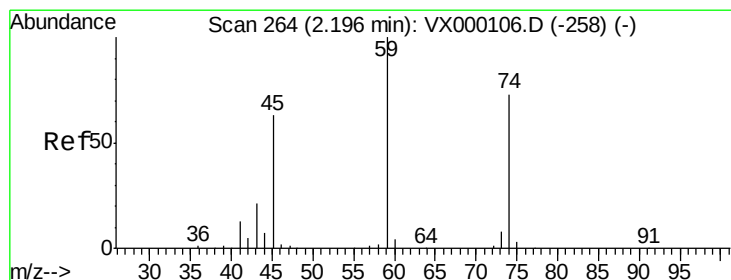
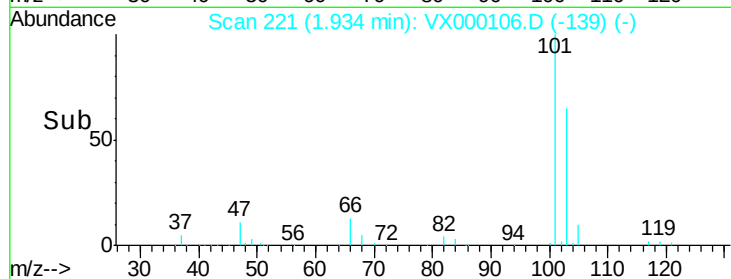
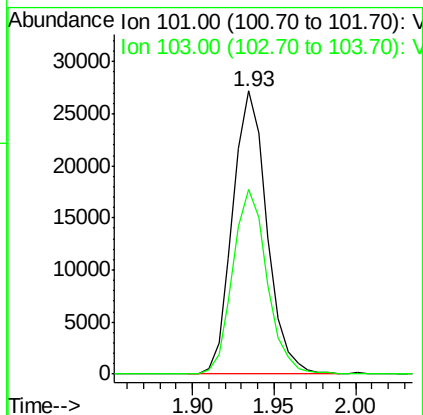
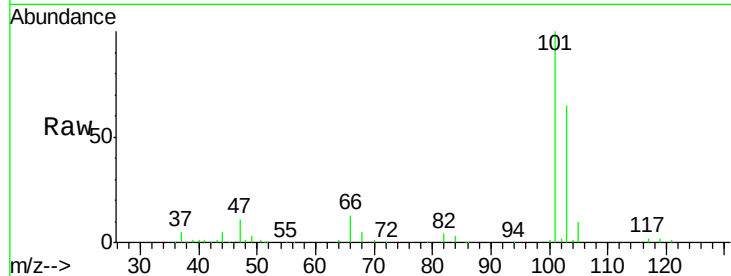


#7

Trichlorofluoromethane
Concen: 20.00 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Instrument :
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ClientSampleId :
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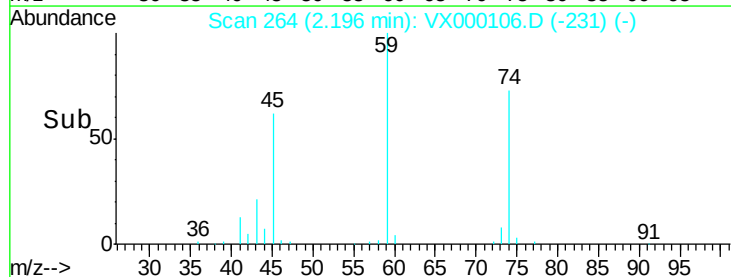
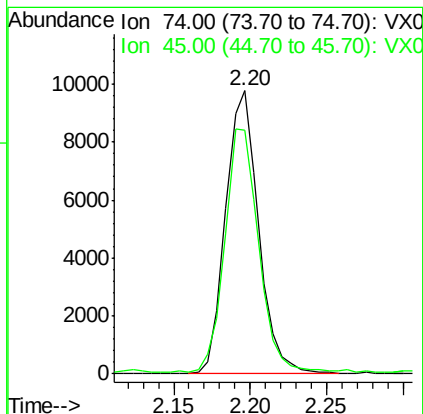
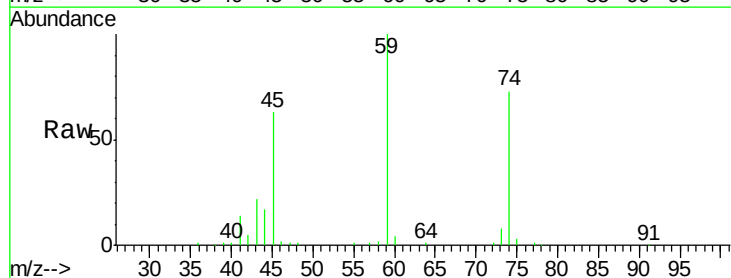
Tgt Ion: 101 Resp: 39994
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

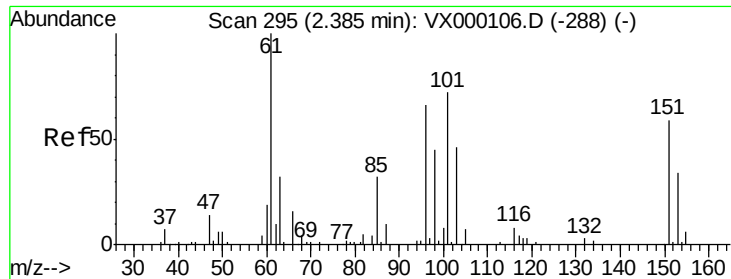


#8

Diethyl Ether
Concen: 20.00 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 74 Resp: 14628
Ion Ratio Lower Upper
74 100
45 88.8 17.8 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.00 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

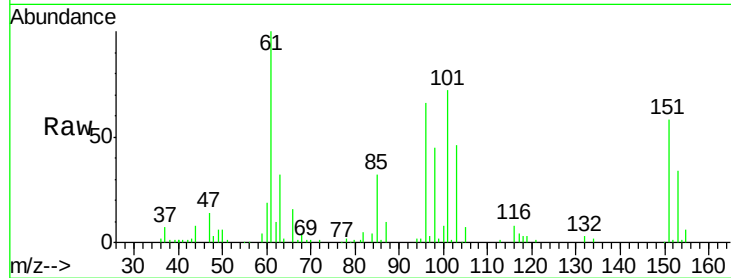
Tgt Ion:101 Resp: 22118

Ion Ratio Lower Upper

101 100

85 45.2 0.0 90.4

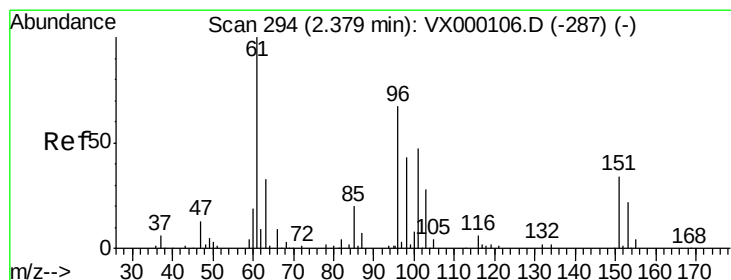
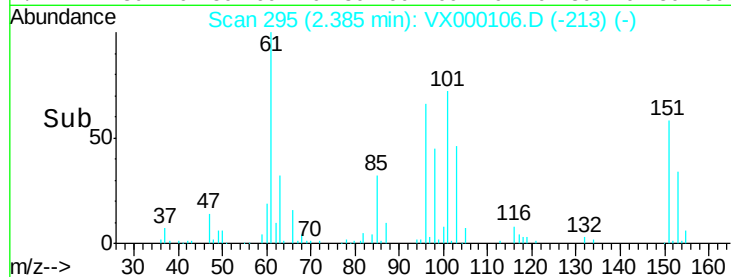
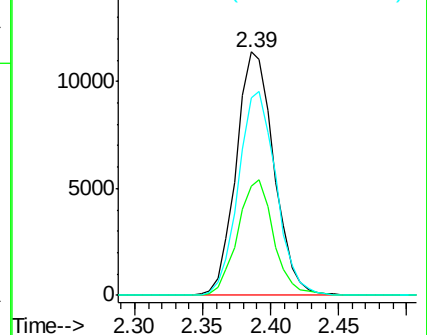
151 83.8 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.00 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

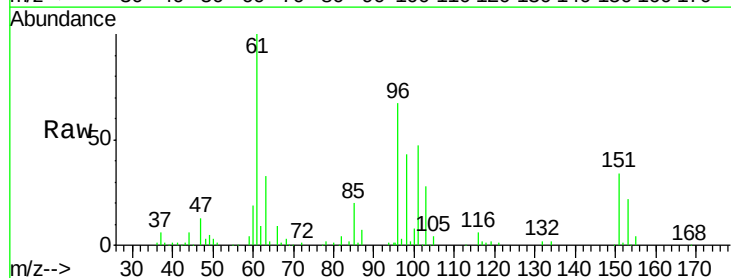
Tgt Ion: 96 Resp: 21230

Ion Ratio Lower Upper

96 100

61 148.3 118.6 178.0

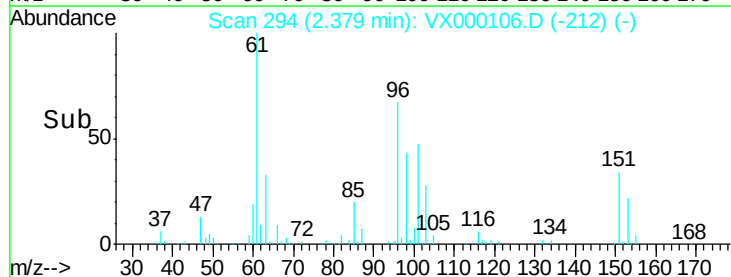
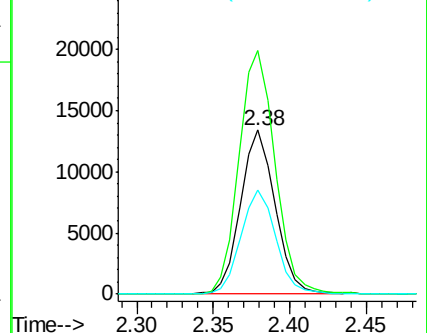
98 63.8 51.0 76.6

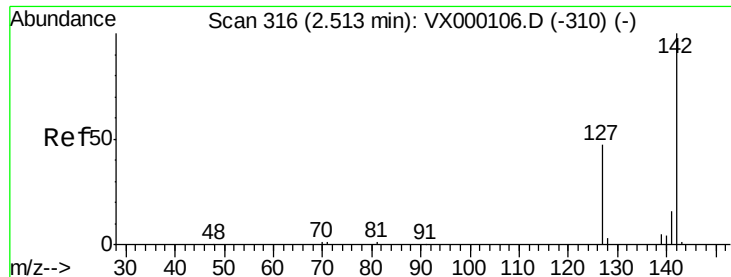


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

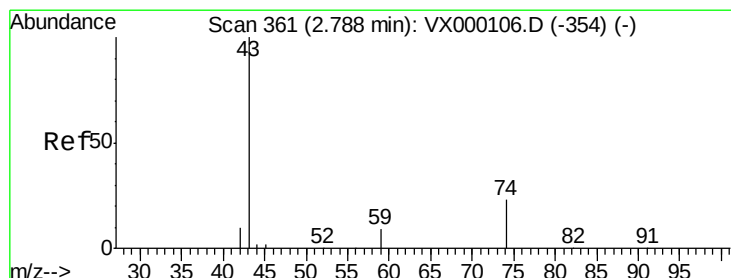
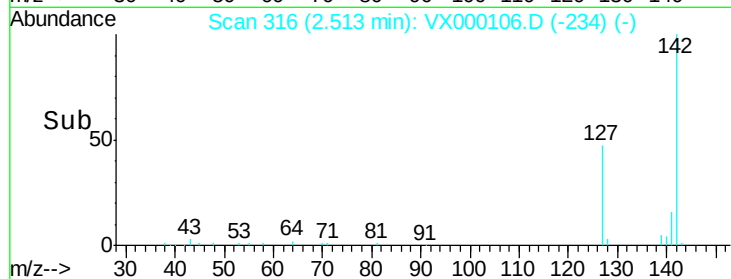
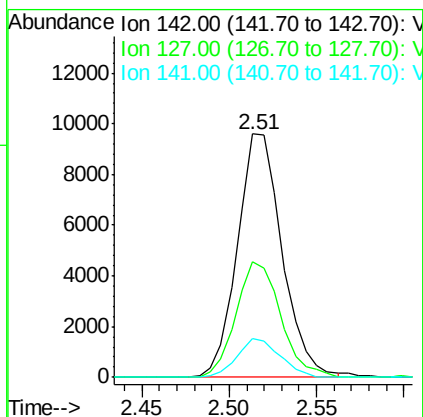
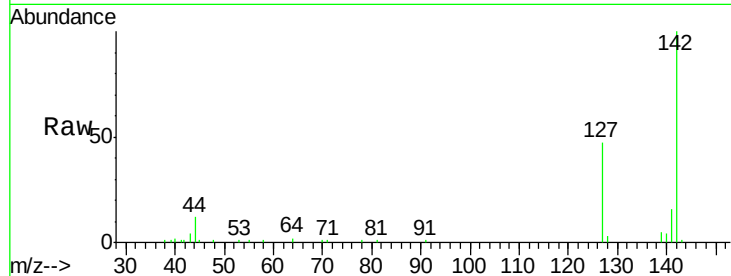




#11
Methyl Iodide
Concen: 20.00 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

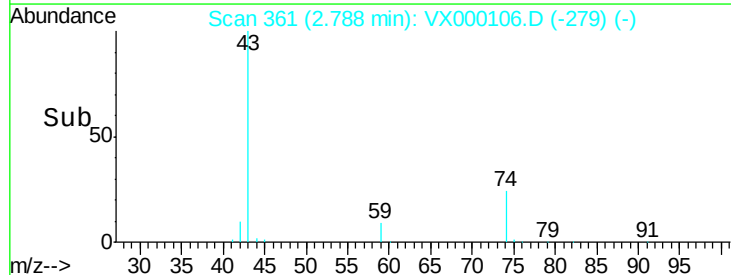
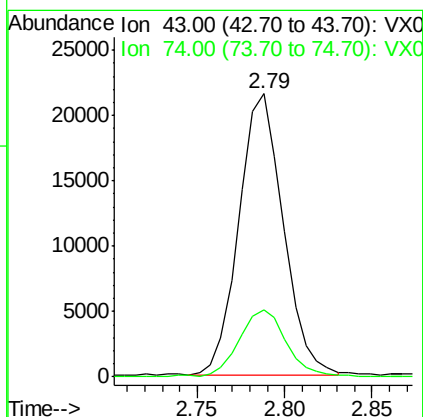
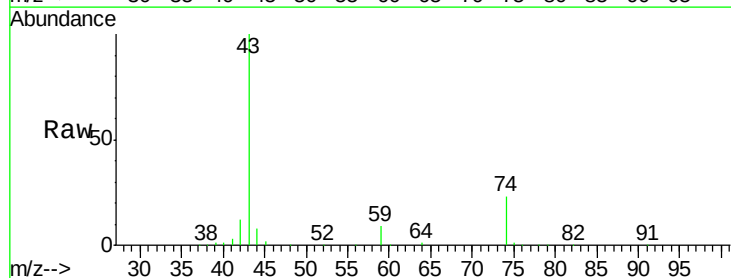
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

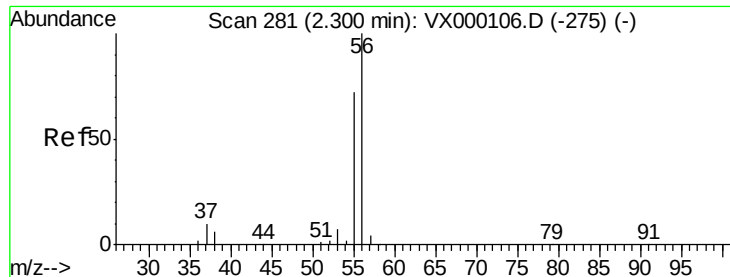
Tgt Ion:142 Resp: 17057
Ion Ratio Lower Upper
142 100
127 47.7 23.8 71.5
141 16.3 8.2 24.4



#12
Methyl Acetate
Concen: 20.00 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 43 Resp: 37837
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8





#13

Acrolein

Concen: 100.00 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

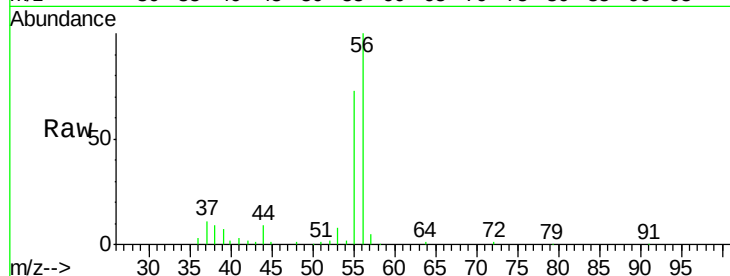
VSTDICCC020

Tgt Ion: 56 Resp: 21596

Ion Ratio Lower Upper

56 100

55 71.6 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

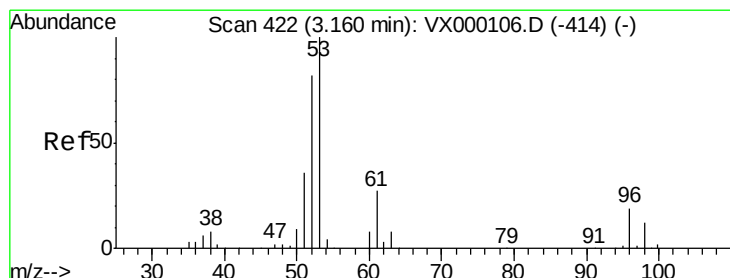
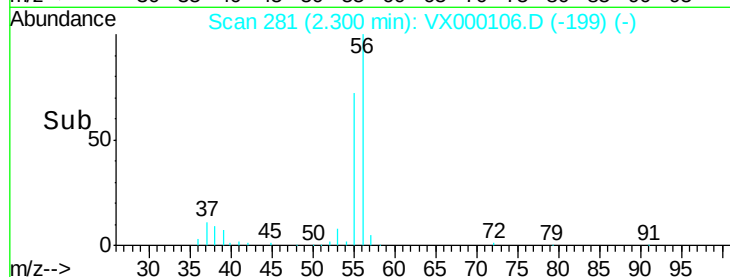
15000

10000

5000

0

Time-->



#14

Acrylonitrile

Concen: 100.00 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

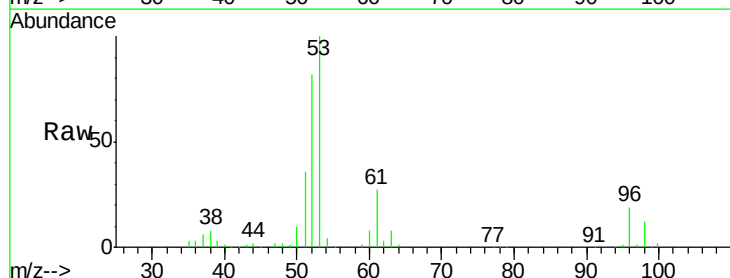
Tgt Ion: 53 Resp: 82170

Ion Ratio Lower Upper

53 100

52 83.9 41.9 125.8

51 37.5 18.8 56.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

50000

40000

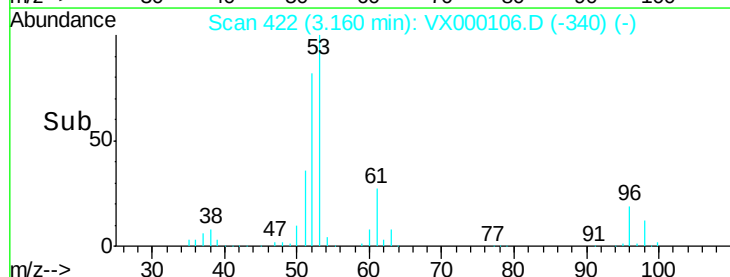
30000

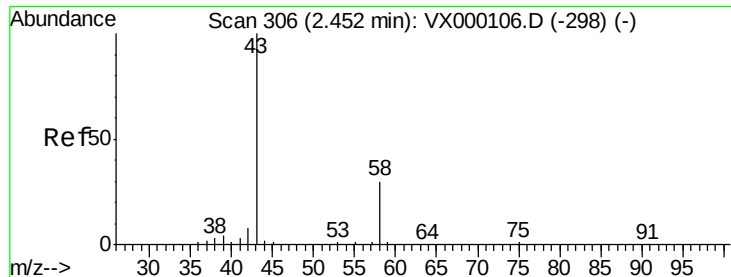
20000

10000

0

Time-->





#15

Acetone

Concen: 100.00 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

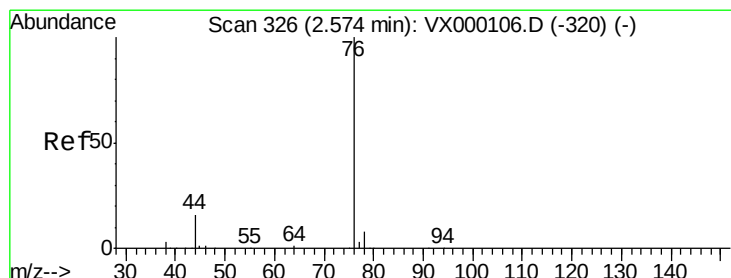
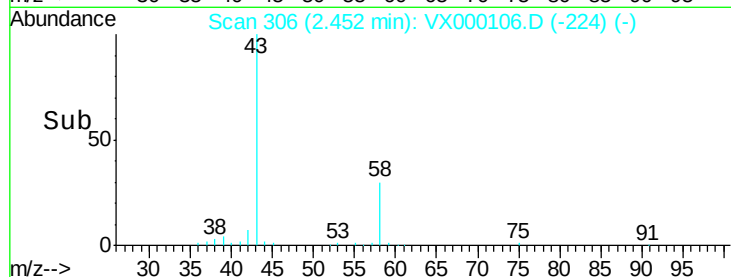
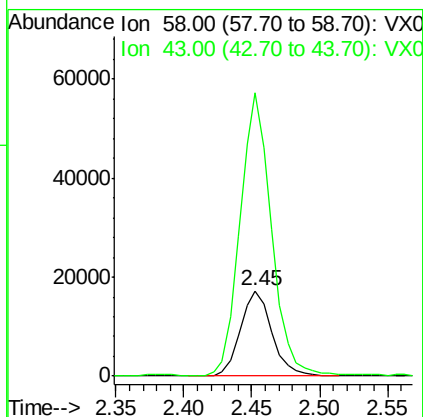
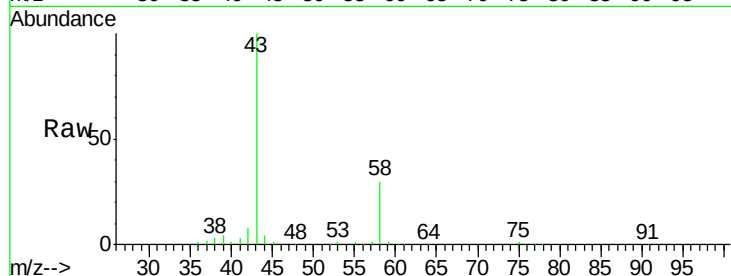
VSTDICCC020

Tgt Ion: 58 Resp: 28011

Ion Ratio Lower Upper

58 100

43 330.7 264.6 396.8



#16

Carbon Disulfide

Concen: 20.00 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000106.D

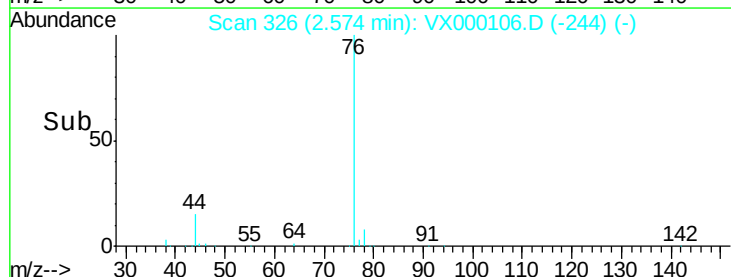
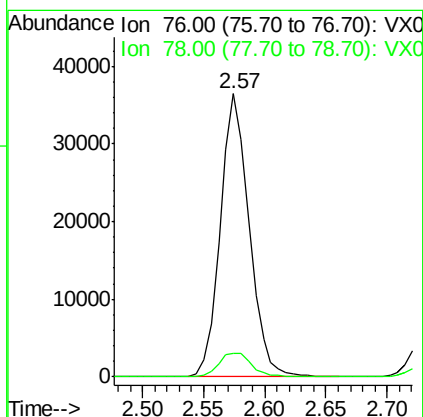
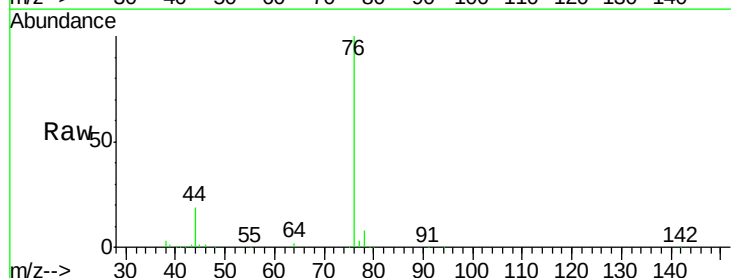
Acq: 20 Feb 2018 13:52

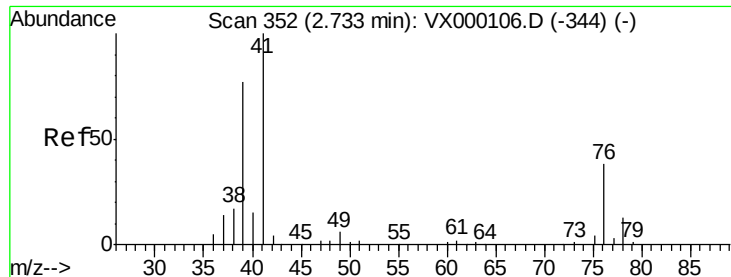
Tgt Ion: 76 Resp: 59728

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2

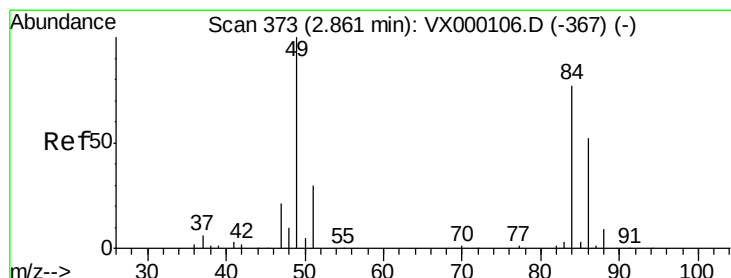
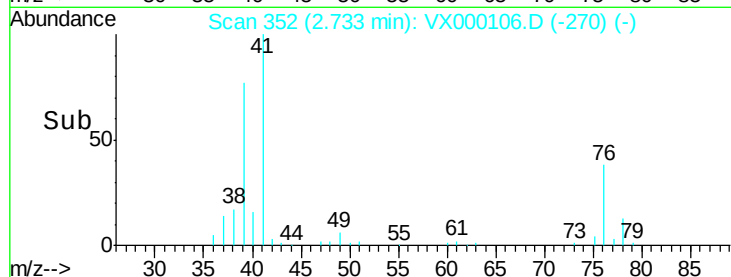
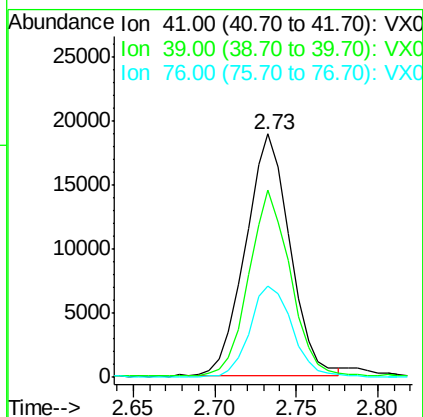
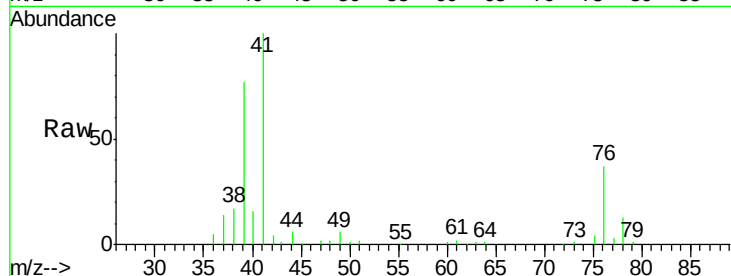




#17
 Allyl chloride
 Concen: 20.00 ug/l
 RT: 2.73 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

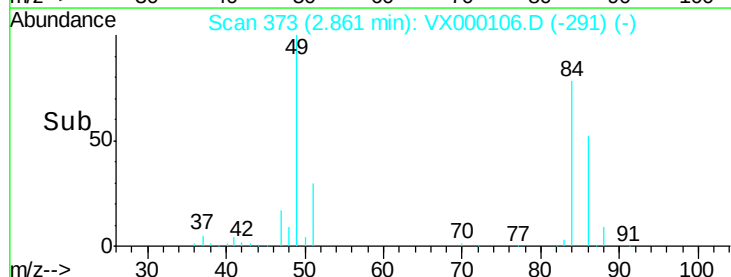
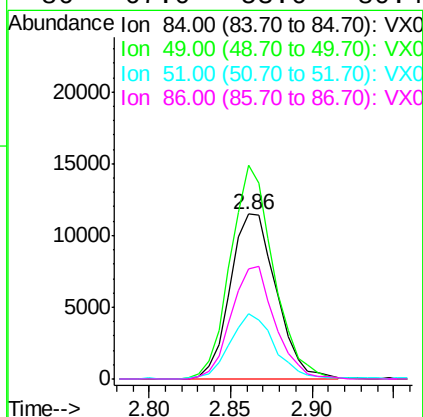
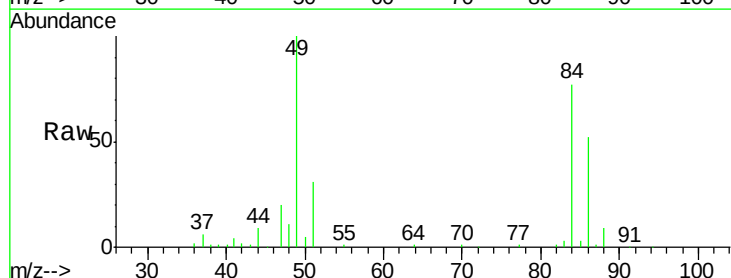
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

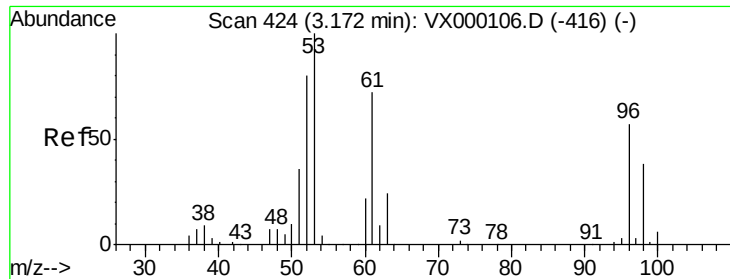
Tgt Ion: 41 Resp: 35667
 Ion Ratio Lower Upper
 41 100
 39 77.0 38.5 115.5
 76 37.4 18.7 56.1



#18
 Methylene Chloride
 Concen: 20.00 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion: 84 Resp: 22631
 Ion Ratio Lower Upper
 84 100
 49 129.1 103.3 154.9
 51 39.0 31.2 46.8
 86 67.0 53.6 80.4





#19

trans-1,2-Dichloroethene

Concen: 20.00 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

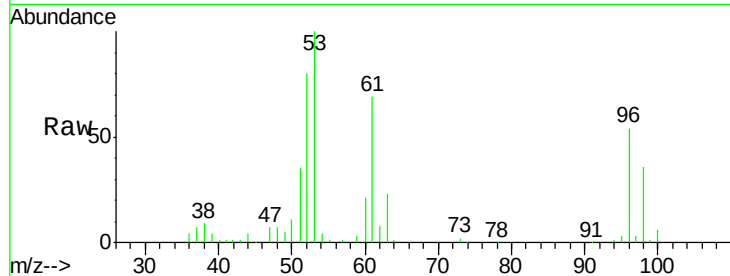
Tgt Ion: 96 Resp: 22799

Ion Ratio Lower Upper

96 100

61 126.3 101.0 151.6

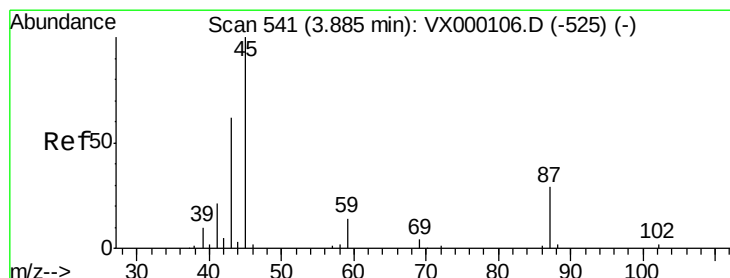
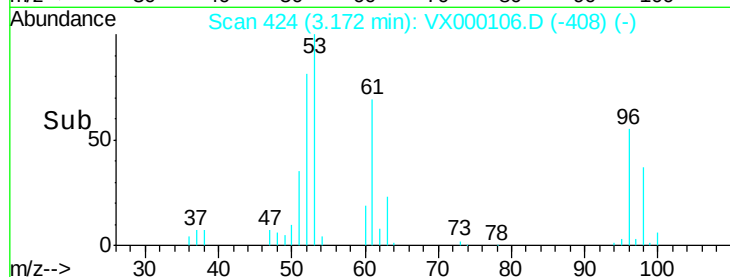
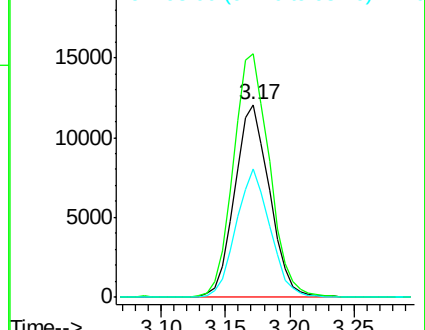
98 66.6 53.3 79.9



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 20.00 ug/l

RT: 3.89 min Scan# 541

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Tgt Ion: 45 Resp: 54482

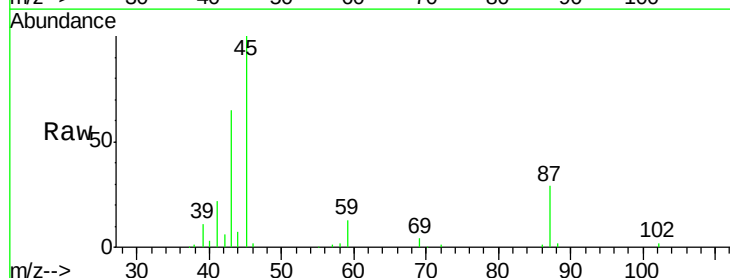
Ion Ratio Lower Upper

45 100

43 62.0 49.6 74.4

87 28.9 23.1 34.7

59 13.5 10.8 16.2

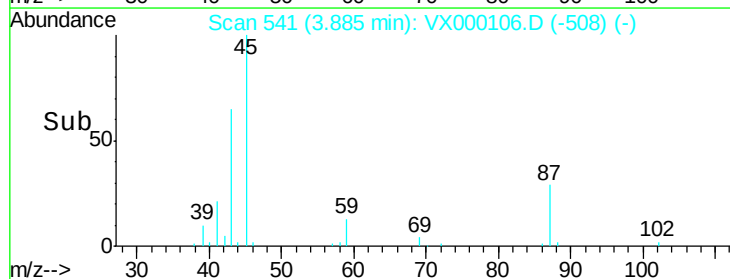
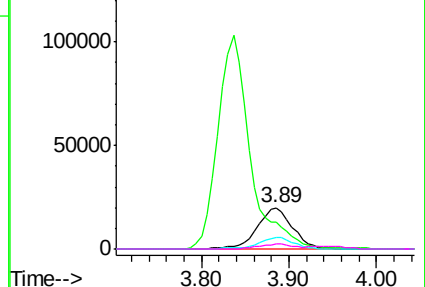


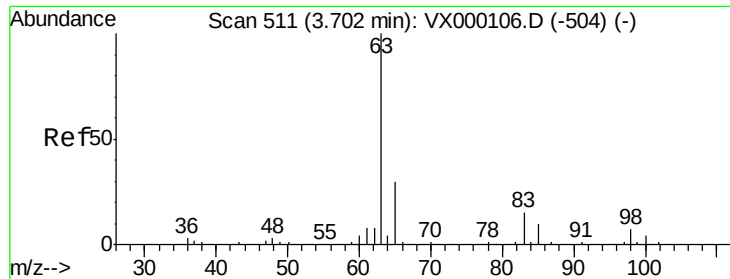
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 20.00 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

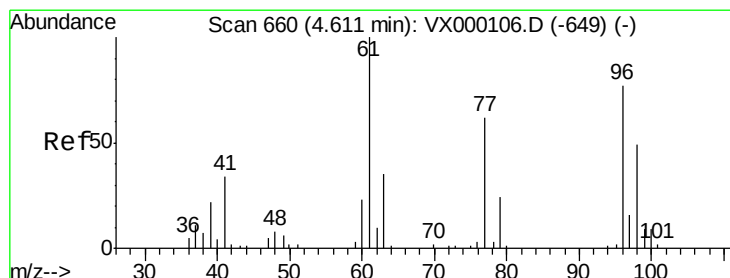
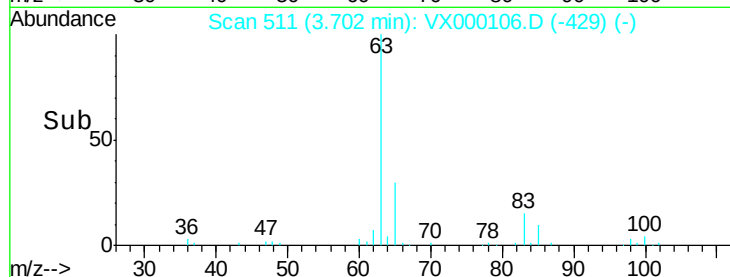
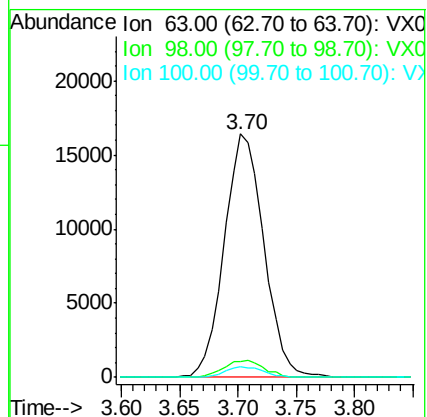
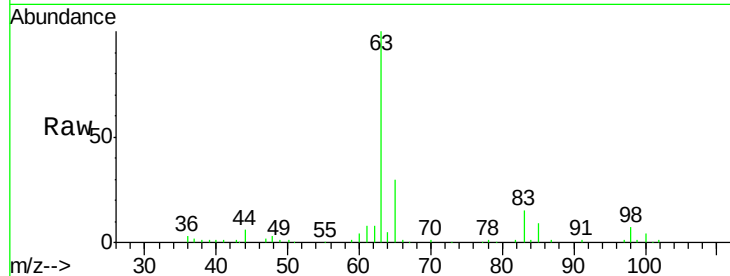
Tgt Ion: 63 Resp: 38759

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.3 2.1 6.5



#22

cis-1,2-Dichloroethene

Concen: 20.00 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

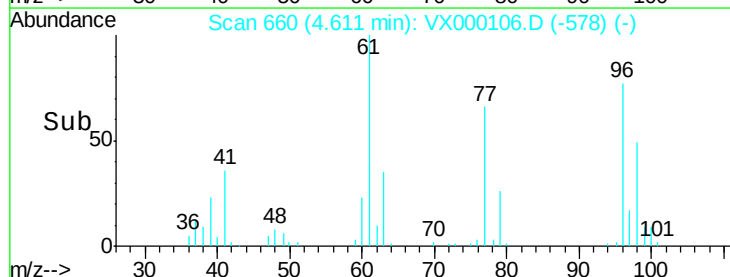
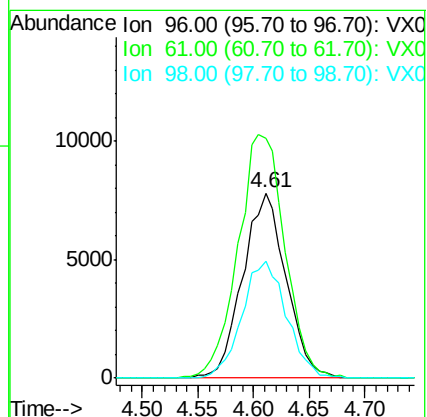
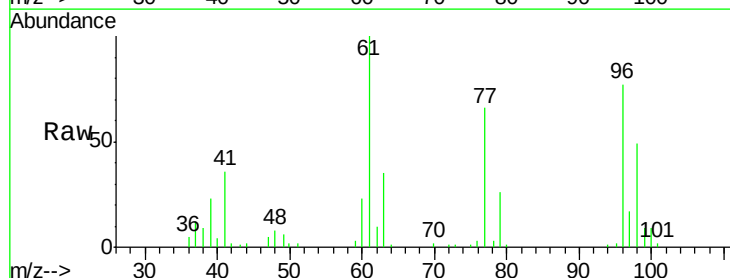
Tgt Ion: 96 Resp: 21196

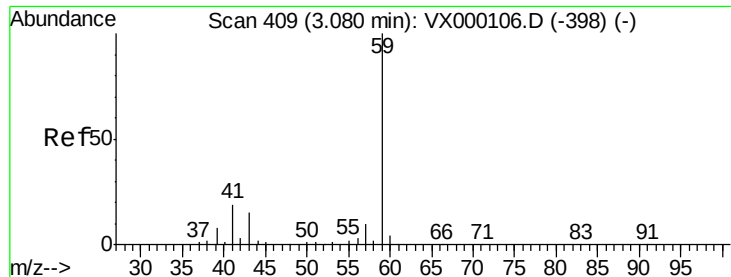
Ion Ratio Lower Upper

96 100

61 141.9 113.5 170.3

98 64.8 51.8 77.8





#23

tert-Butyl Alcohol

Concen: 100.48 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

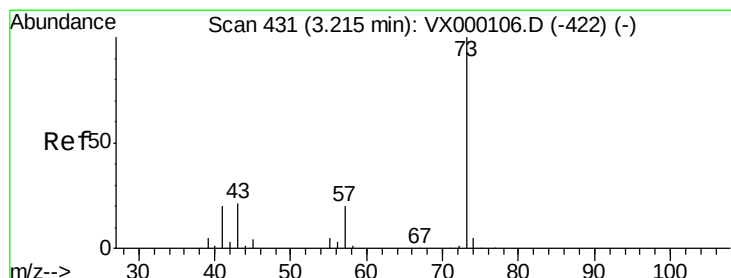
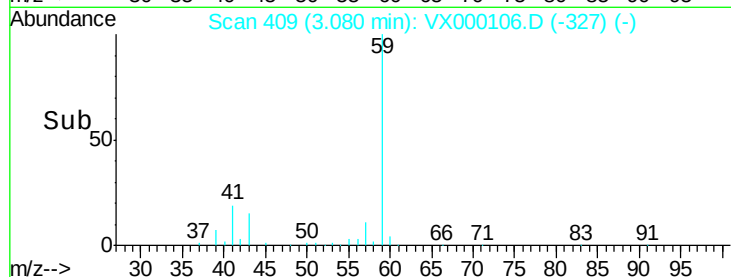
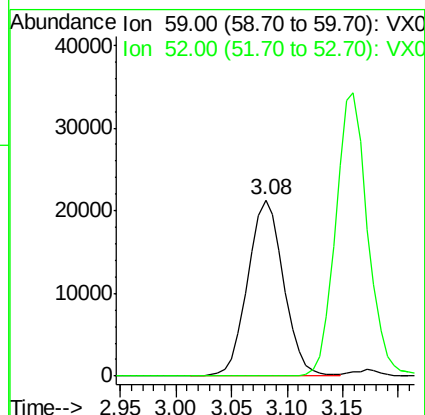
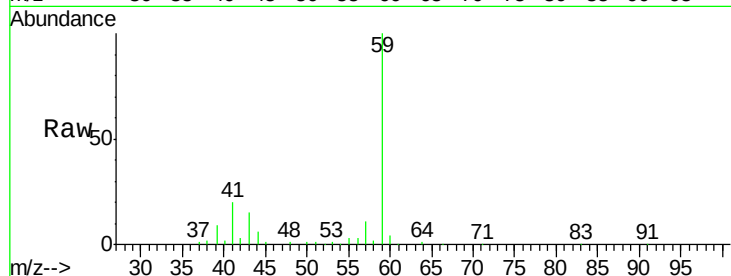
VSTDICCC020

Tgt Ion: 59 Resp: 48027

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 20.00 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.00 min

Lab File: VX000106.D

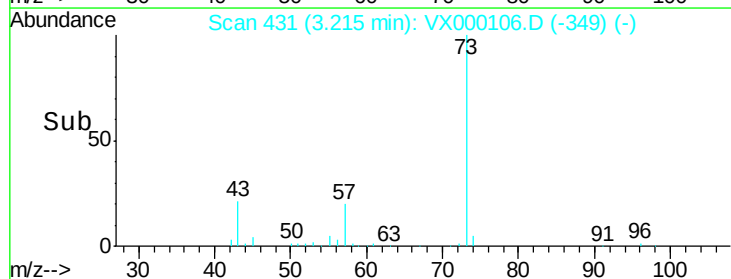
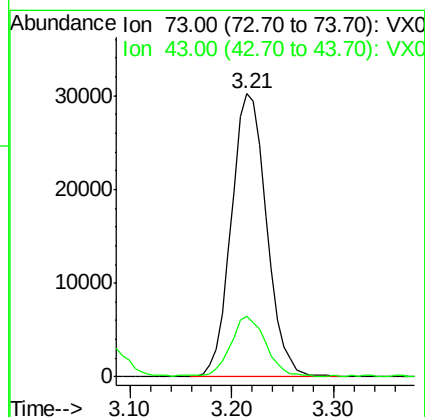
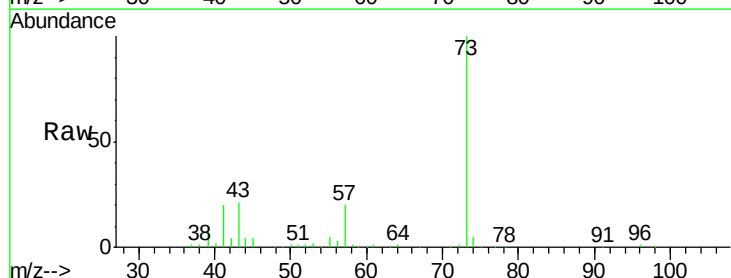
Acq: 20 Feb 2018 13:52

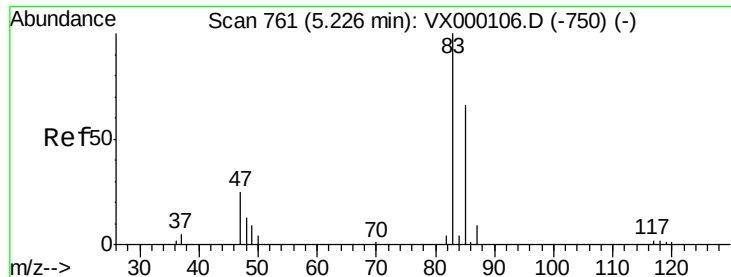
Tgt Ion: 73 Resp: 72558

Ion Ratio Lower Upper

73 100

43 20.6 16.5 24.7

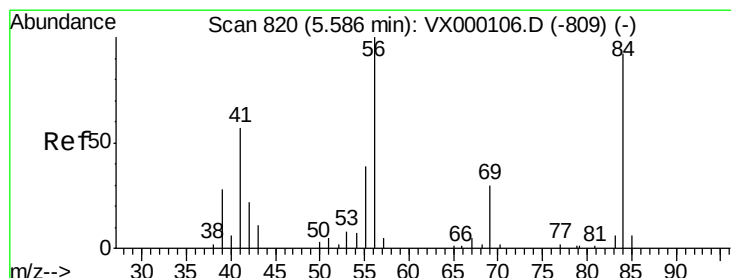
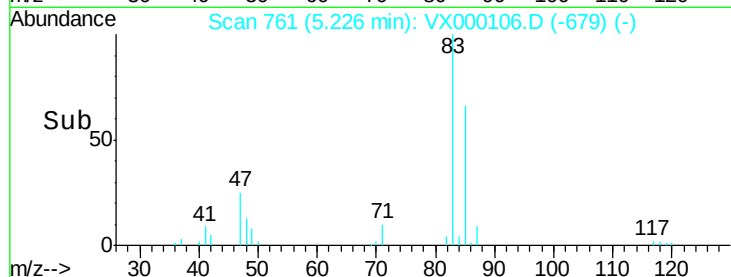
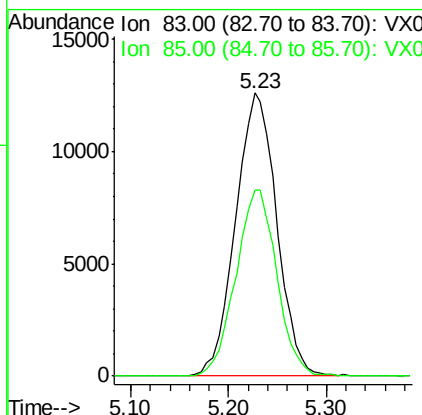
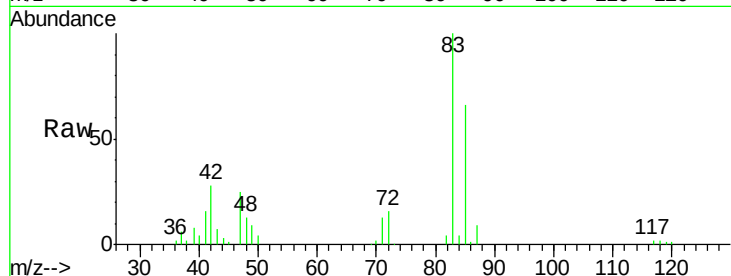




#25
Chloroform
Concen: 20.00 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

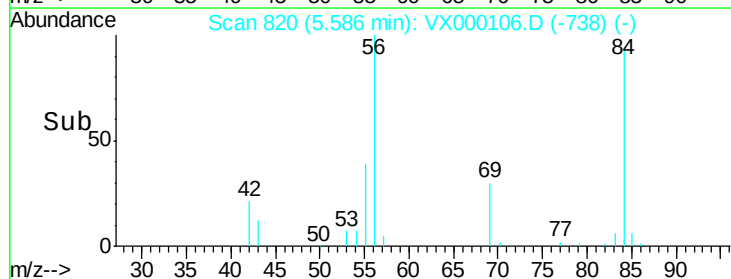
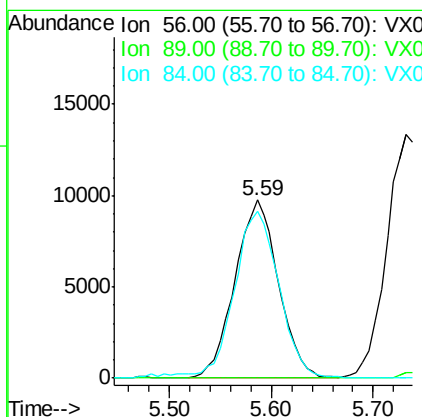
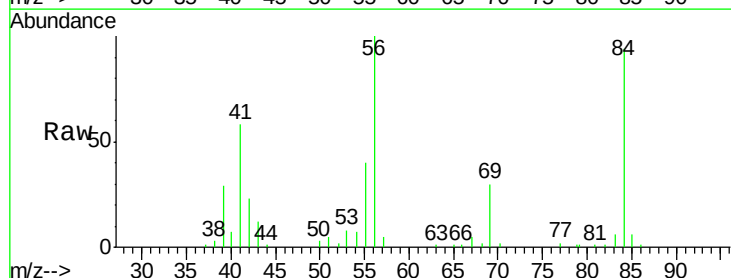
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

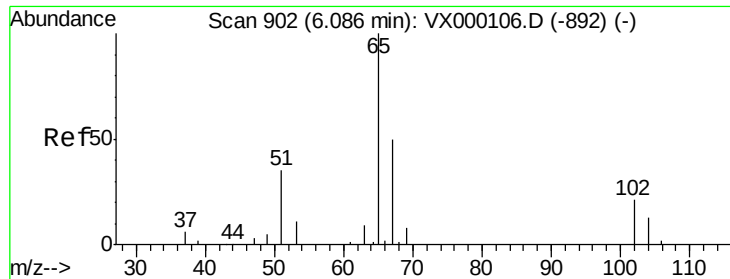
Tgt Ion: 83 Resp: 36700
Ion Ratio Lower Upper
83 100
85 65.6 52.5 78.7



#26
Cyclohexane
Concen: 20.00 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 56 Resp: 28907
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 93.5 74.8 112.2

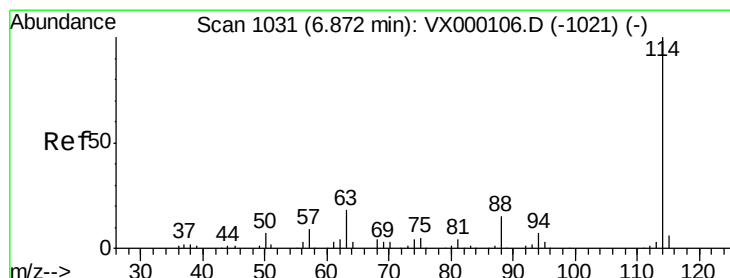
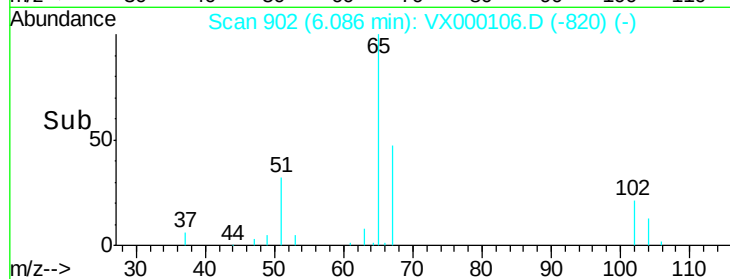
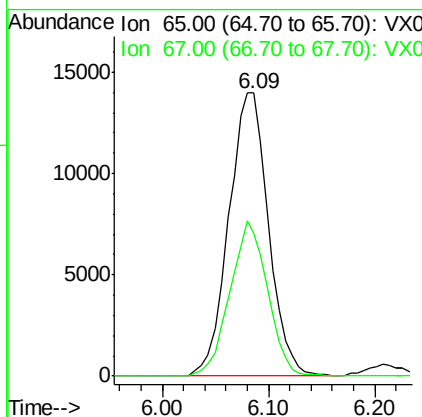
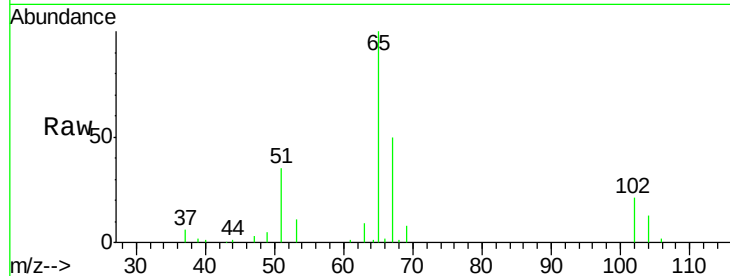




#27
 1,2-Dichloroethane-d4
 Concen: 30.00 ug/l
 RT: 6.09 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

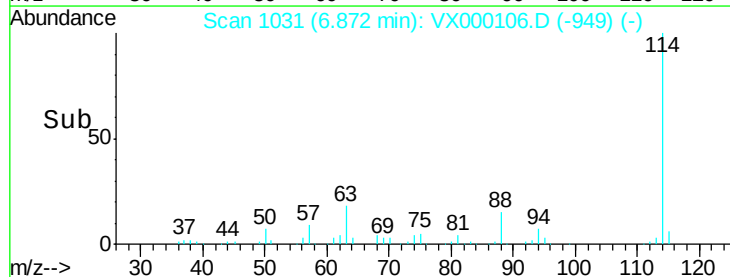
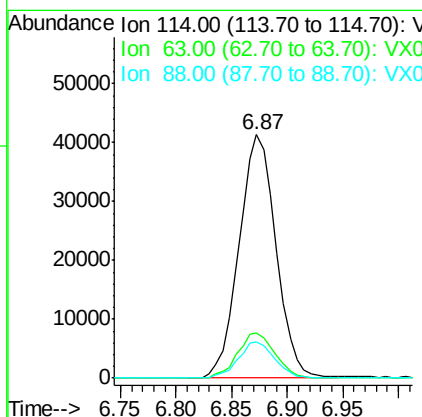
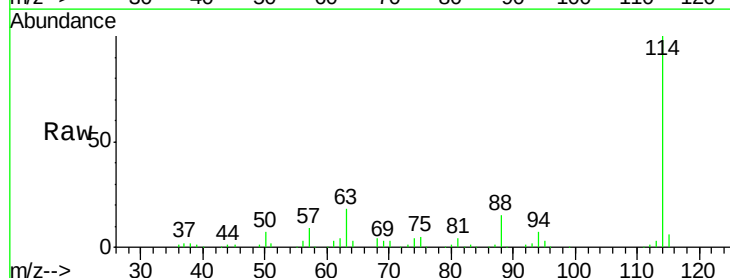
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

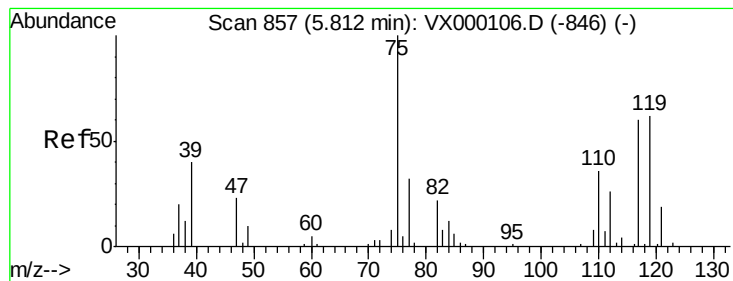
Tgt Ion: 65 Resp: 36464
 Ion Ratio Lower Upper
 65 100
 67 51.8 41.4 62.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion: 114 Resp: 95528
 Ion Ratio Lower Upper
 114 100
 63 18.7 15.0 22.4
 88 14.8 11.8 17.8





#29

1,1-Dichloropropene

Concen: 20.00 ug/l

RT: 5.81 min Scan# 857

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

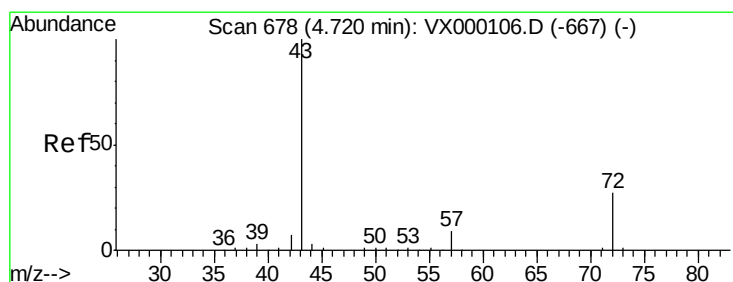
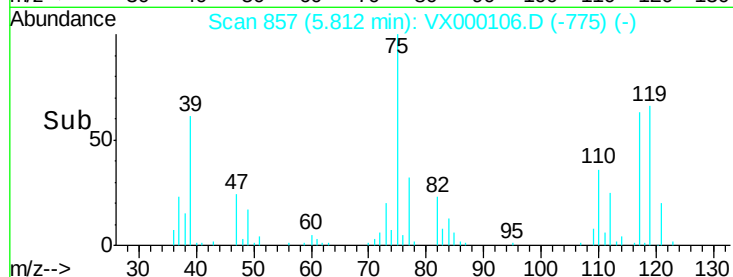
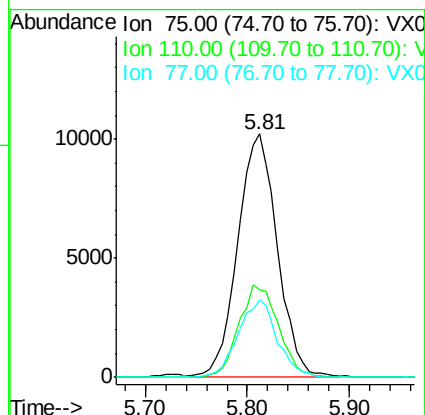
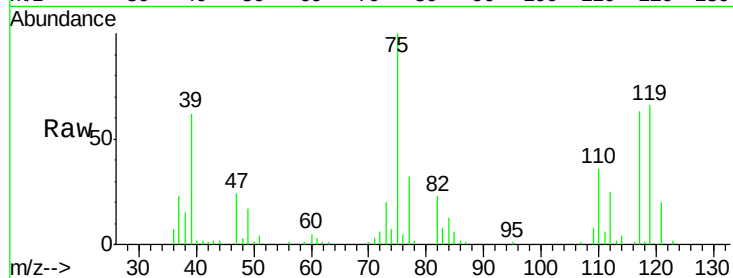
Tgt Ion: 75 Resp: 27541

Ion Ratio Lower Upper

75 100

110 37.8 0.0 75.6

77 31.3 0.0 62.6



#30

2-Butanone

Concen: 100.00 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

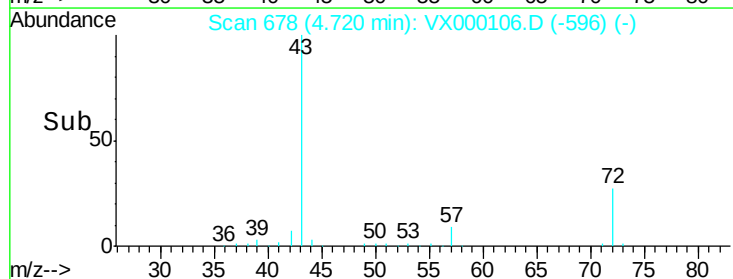
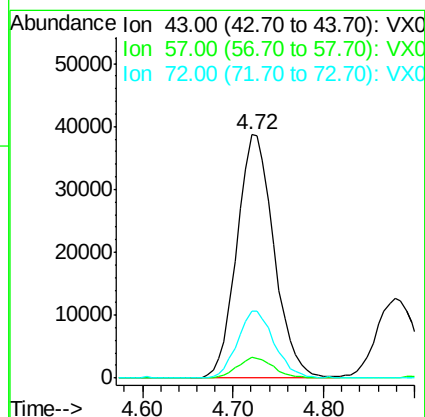
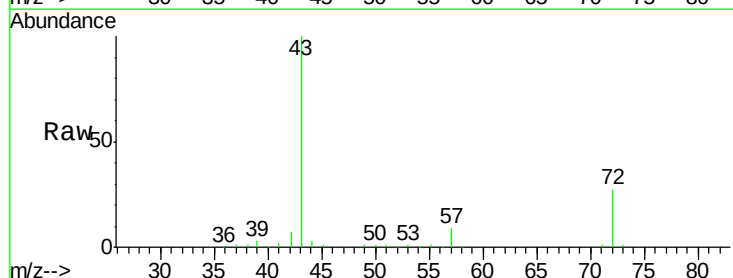
Tgt Ion: 43 Resp: 110011

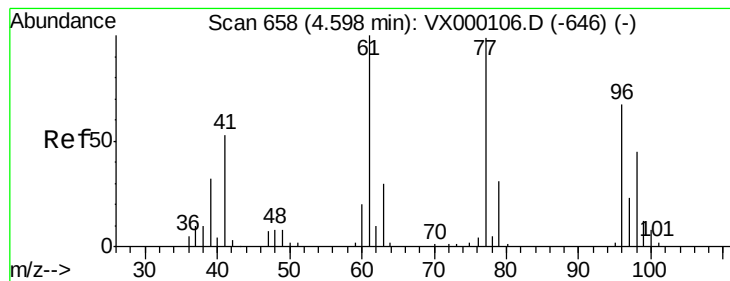
Ion Ratio Lower Upper

43 100

57 8.3 6.6 10.0

72 27.2 21.8 32.6





#31

2,2-Dichloropropane

Concen: 20.00 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

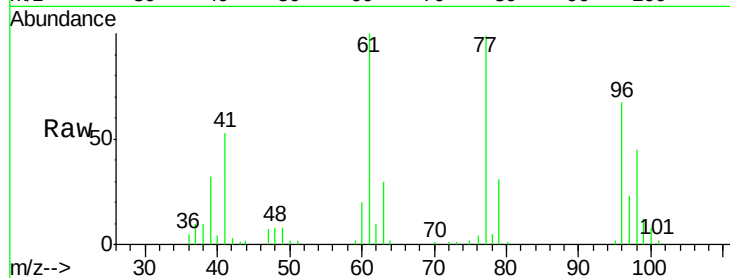
VSTDICCC020

Tgt Ion: 77 Resp: 29699

Ion Ratio Lower Upper

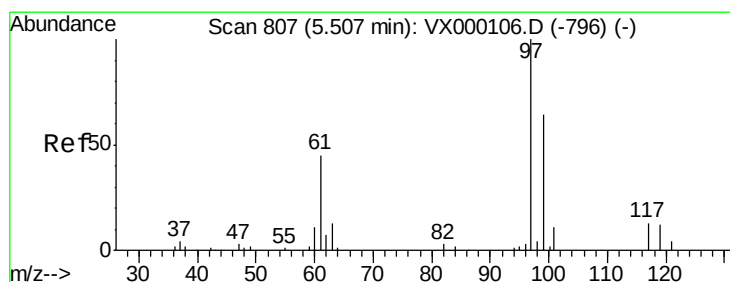
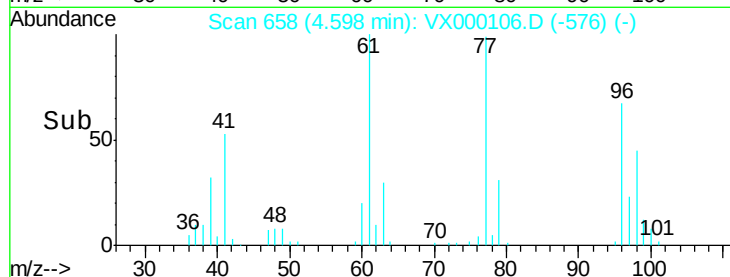
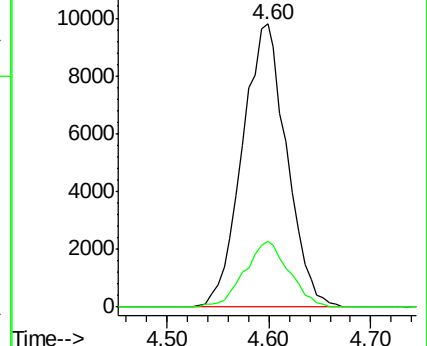
77 100

97 23.2 18.6 27.8



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.00 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

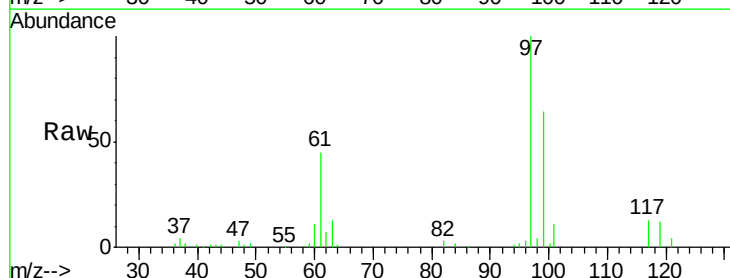
Tgt Ion: 97 Resp: 33498

Ion Ratio Lower Upper

97 100

99 65.4 52.3 78.5

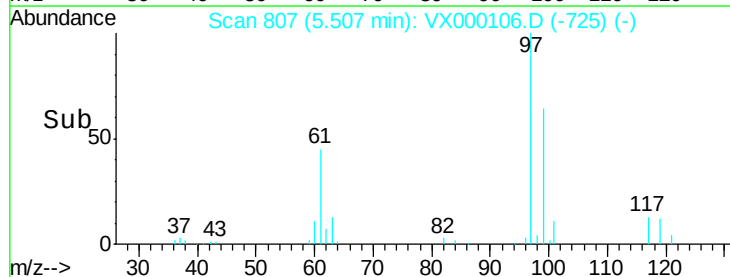
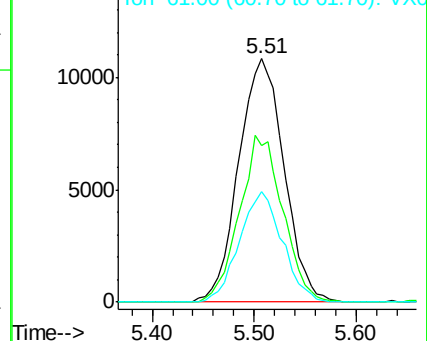
61 42.9 34.3 51.5

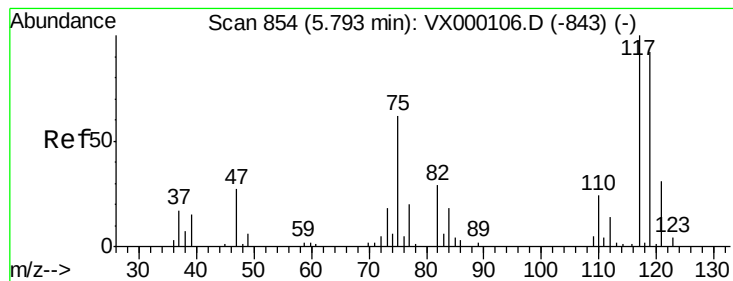


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 20.00 ug/l

RT: 5.79 min Scan# 854

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

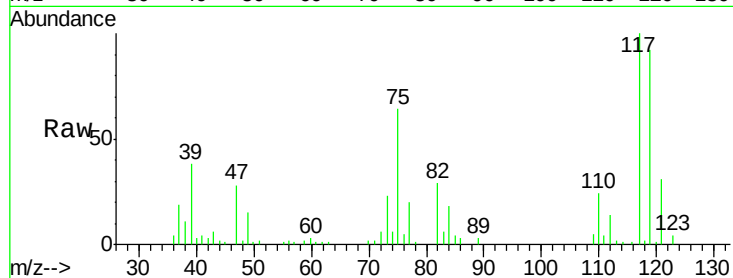
Tgt Ion:117 Resp: 29585

Ion Ratio Lower Upper

117 100

119 91.9 73.5 110.3

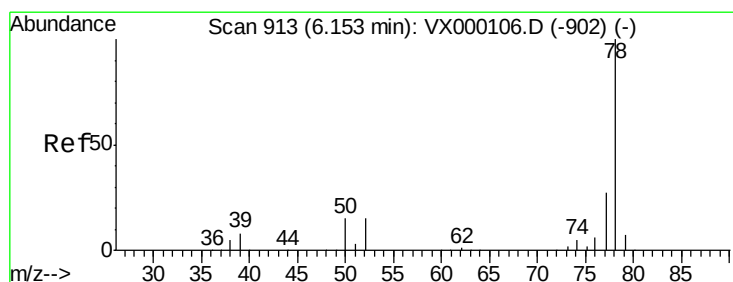
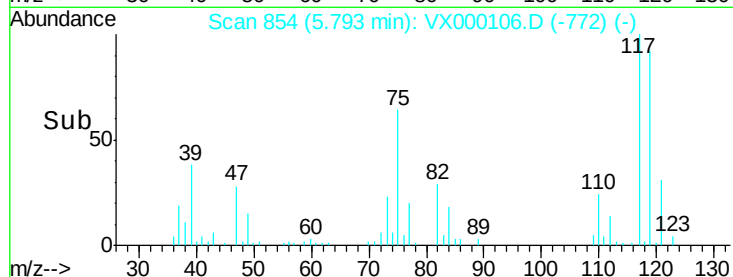
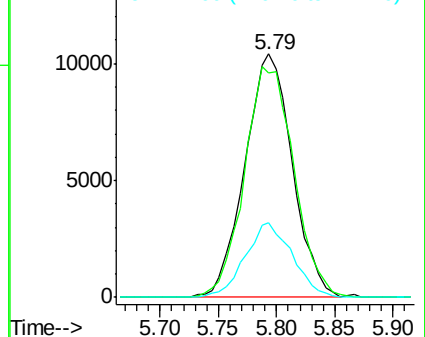
121 30.8 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.00 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

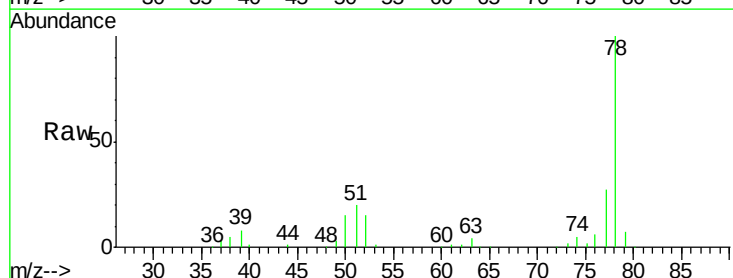
Tgt Ion: 78 Resp: 80480

Ion Ratio Lower Upper

78 100

77 27.1 21.7 32.5

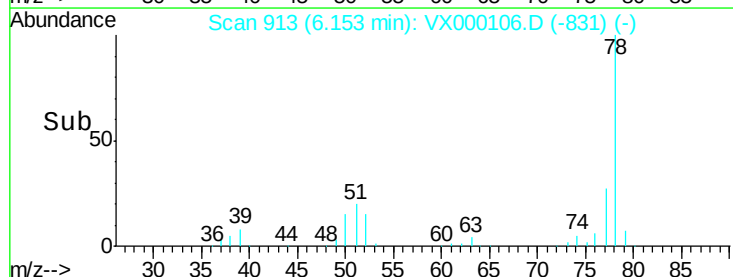
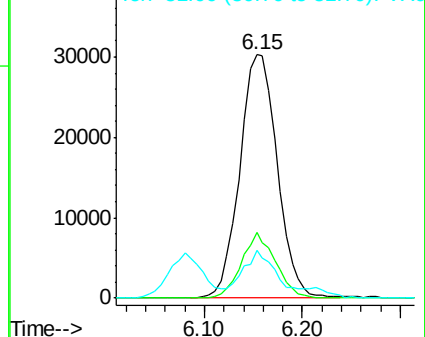
51 18.6 14.9 22.3

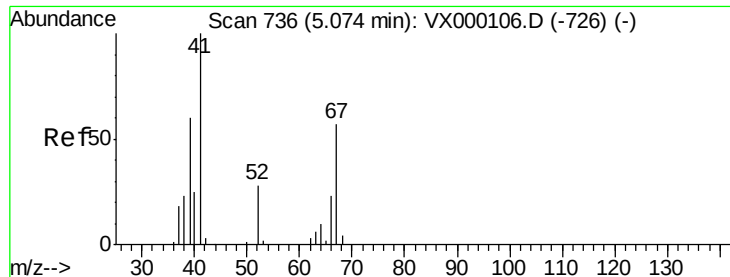


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

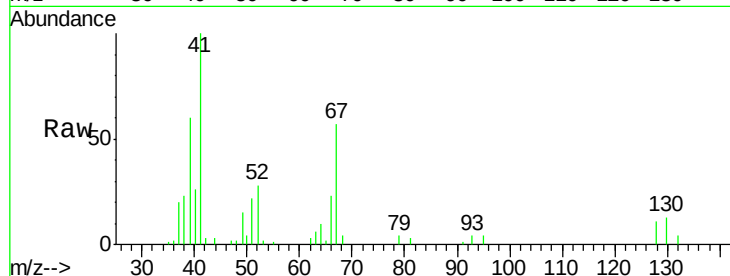




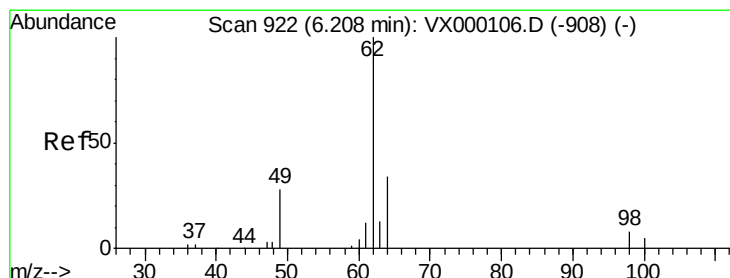
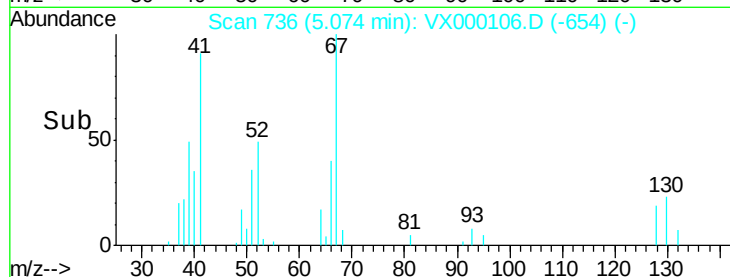
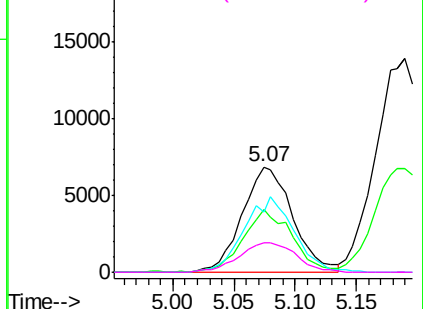
#35
Methacrylonitrile
Concen: 20.00 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:	41	Resp:	19614
Ion	Ratio	Lower	Upper
41	100		
39	59.5	29.8	89.3
67	57.5	28.7	86.3
52	27.9	14.0	41.9

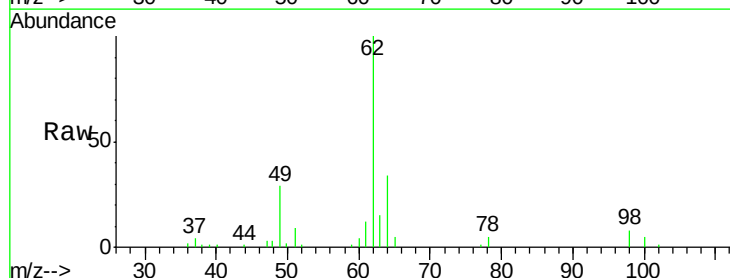


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

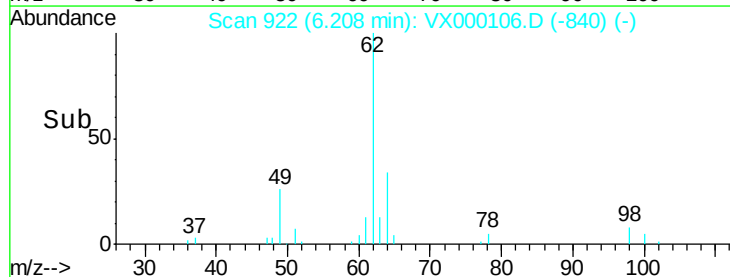
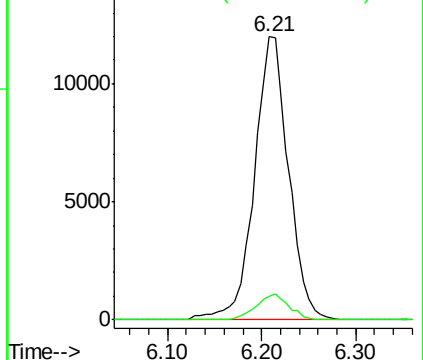


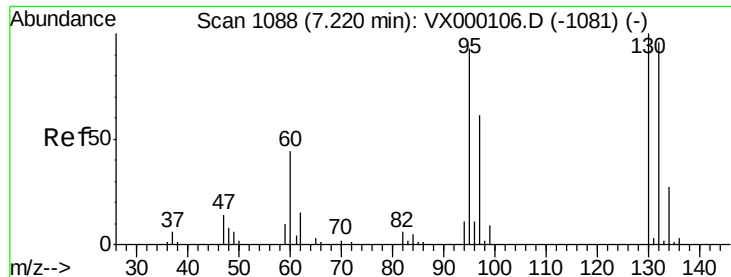
#36
1,2-Dichloroethane
Concen: 20.00 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion:	62	Resp:	30372
Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.9	10.3



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

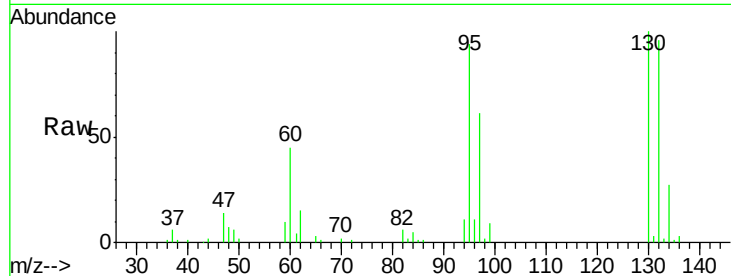




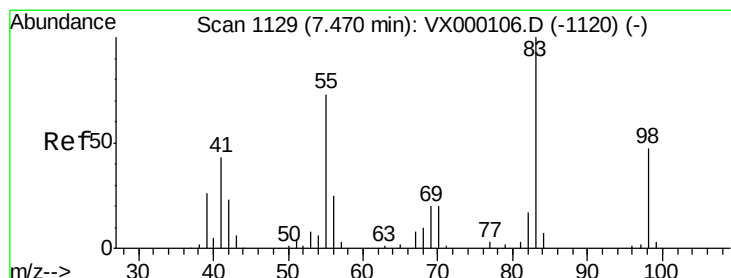
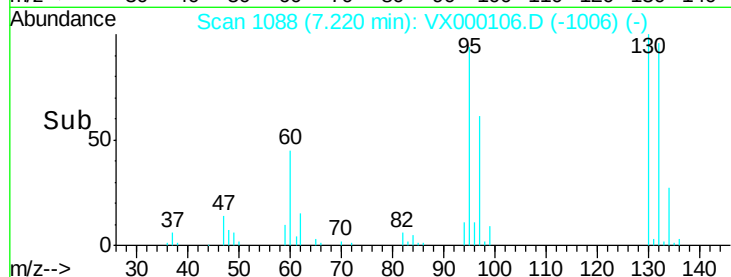
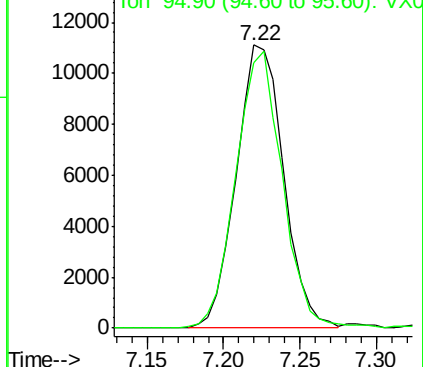
#37
 Trichloroethene
 Concen: 20.00 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tgt Ion:130 Resp: 23920
 Ion Ratio Lower Upper
 130 100
 95 93.3 74.6 112.0

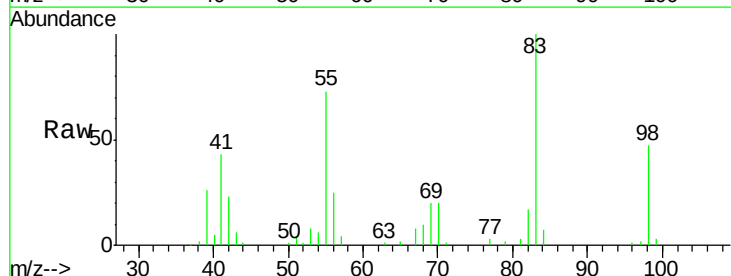


Abundance Ion 129.90 (129.60 to 130.60): V

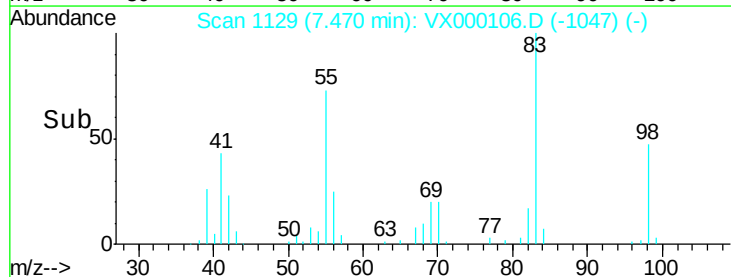
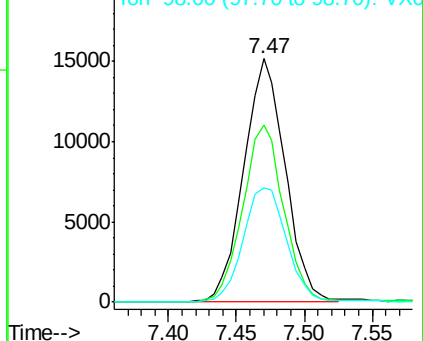


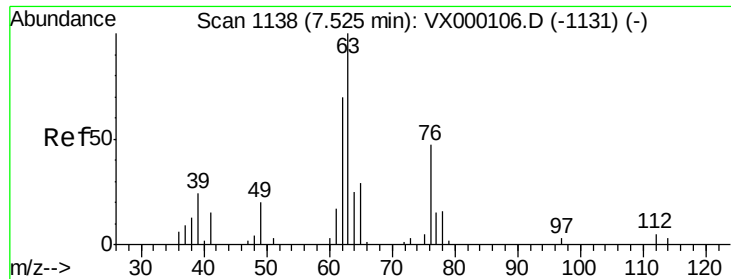
#38
 Methylcyclohexane
 Concen: 20.00 ug/l
 RT: 7.47 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion: 83 Resp: 32439
 Ion Ratio Lower Upper
 83 100
 55 71.8 35.9 107.7
 98 49.3 24.6 74.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

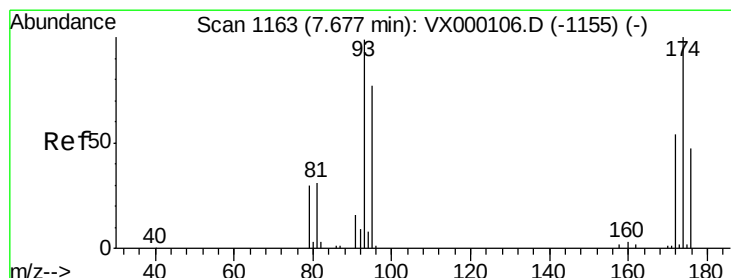
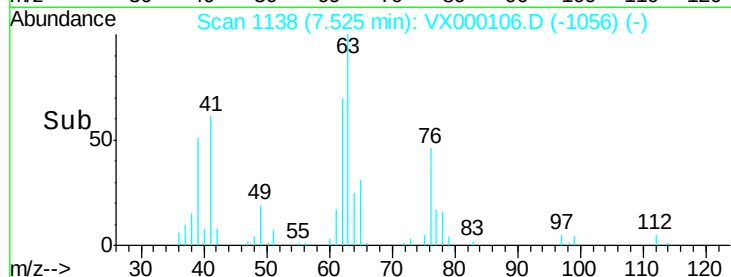
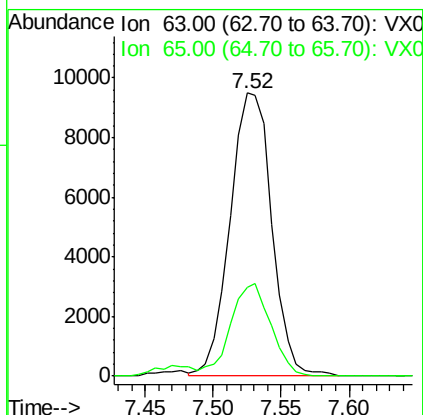
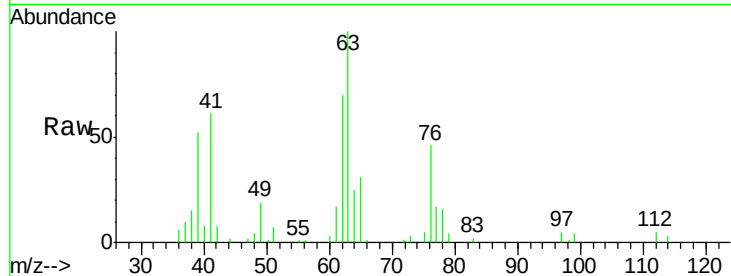




#39
 1,2-Dichloropropane
 Concen: 20.00 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

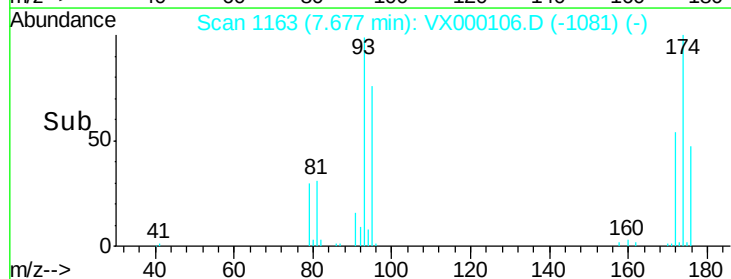
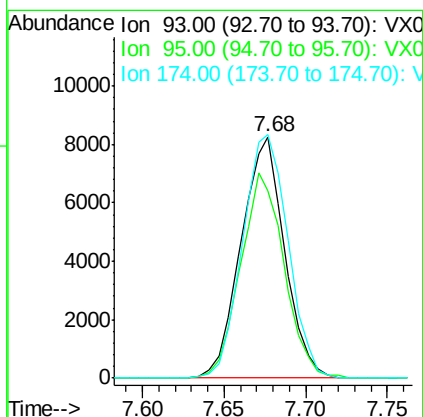
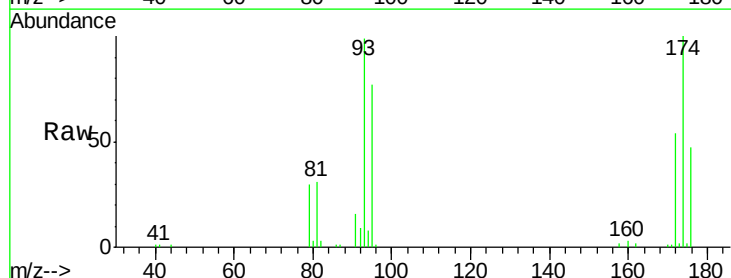
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

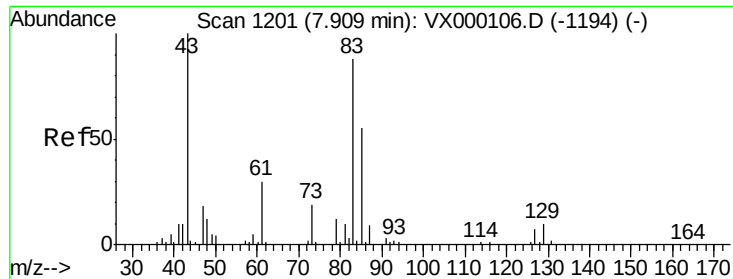
Tgt Ion: 63 Resp: 20335
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6



#40
 Dibromomethane
 Concen: 20.00 ug/l
 RT: 7.68 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion: 93 Resp: 15283
 Ion Ratio Lower Upper
 93 100
 95 85.3 0.0 170.6
 174 105.2 0.0 210.4





#41

Bromodichloromethane

Concen: 20.00 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

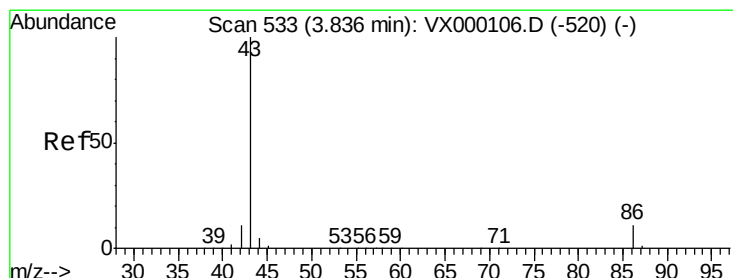
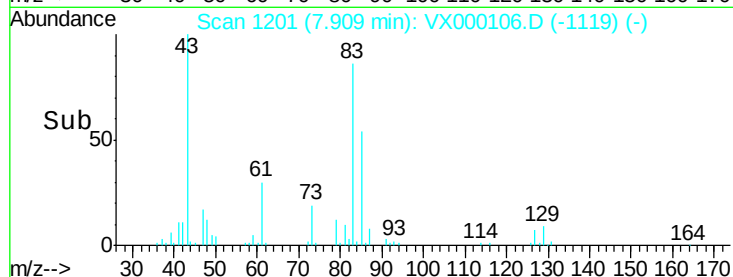
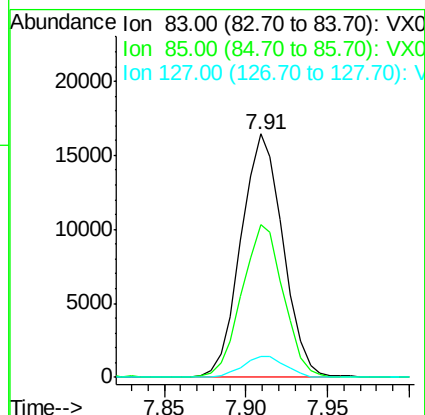
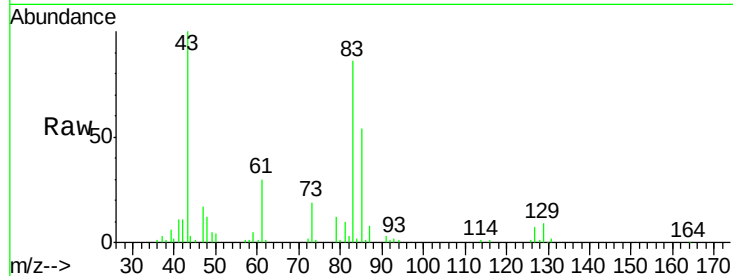
Tgt Ion: 83 Resp: 29481

Ion Ratio Lower Upper

83 100

85 62.5 50.0 75.0

127 8.3 6.6 10.0



#42

Vinyl Acetate

Concen: 100.00 ug/l

RT: 3.84 min Scan# 533

Delta R.T. 0.00 min

Lab File: VX000106.D

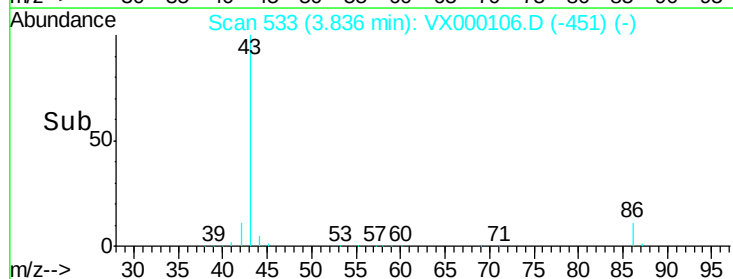
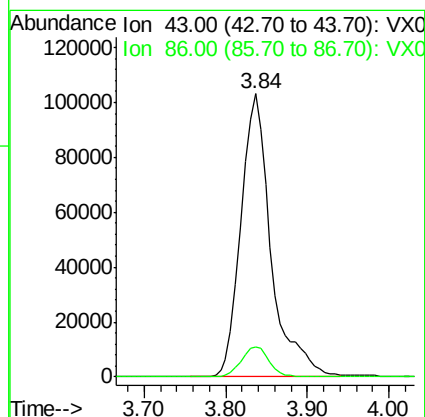
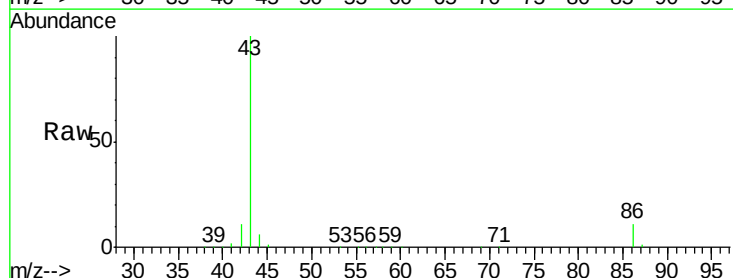
Acq: 20 Feb 2018 13:52

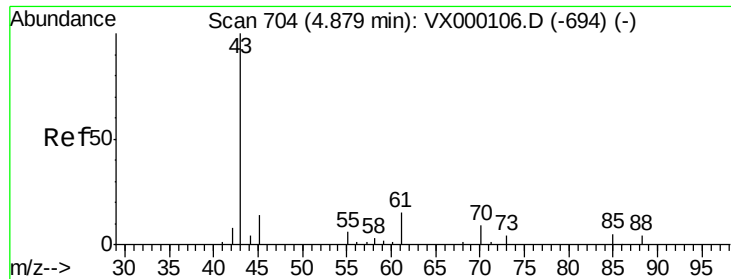
Tgt Ion: 43 Resp: 264501

Ion Ratio Lower Upper

43 100

86 9.7 7.8 11.6





#43

Ethyl Acetate

Concen: 20.00 ug/l

RT: 4.88 min Scan# 704

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

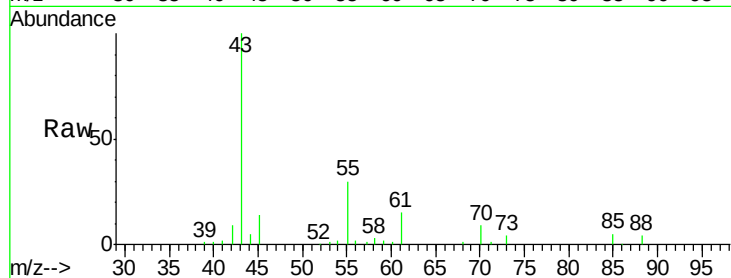
VSTDICCC020

Tgt Ion: 43 Resp: 38449

Ion Ratio Lower Upper

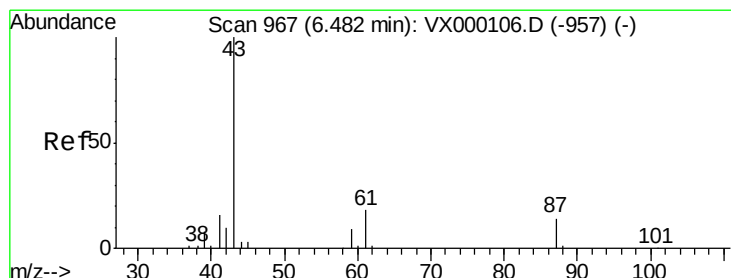
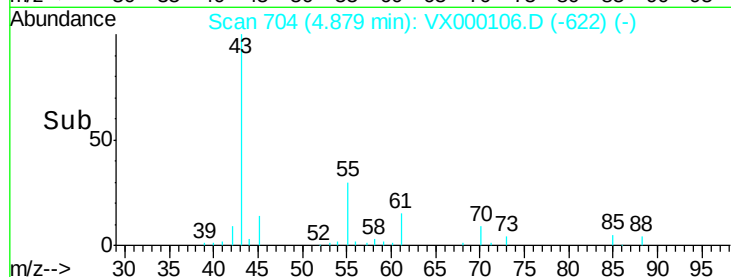
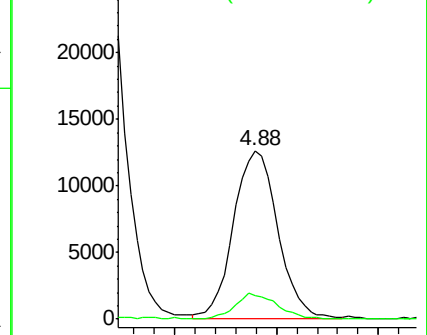
43 100

45 14.2 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 20.00 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000106.D

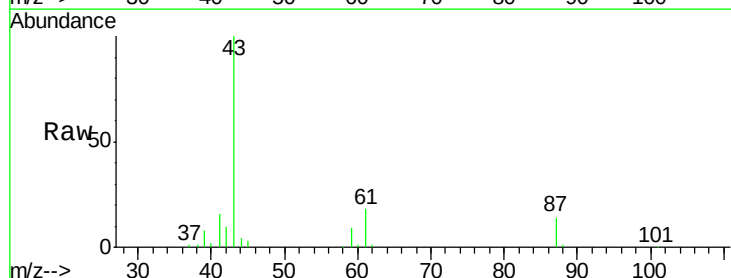
Acq: 20 Feb 2018 13:52

Tgt Ion: 43 Resp: 54916

Ion Ratio Lower Upper

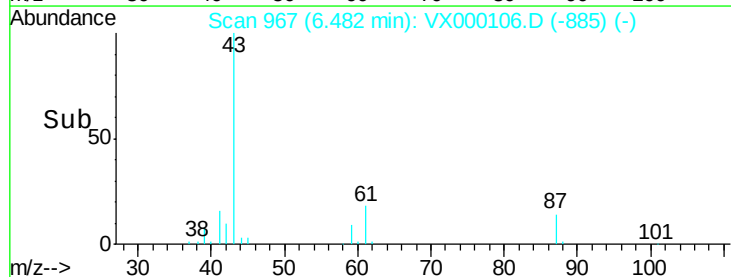
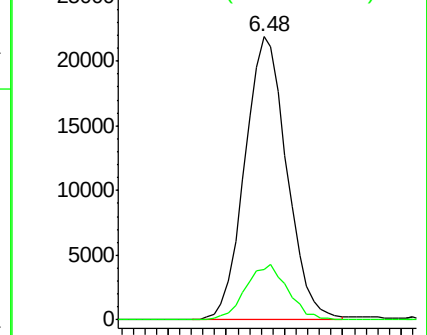
43 100

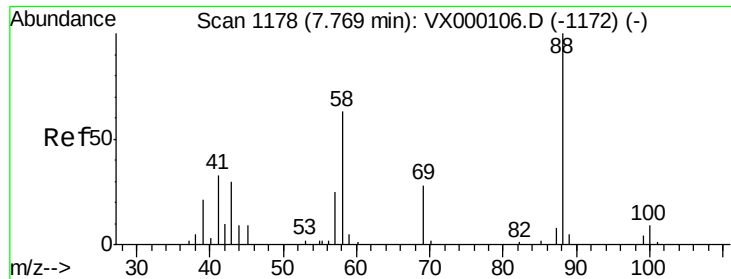
61 19.6 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

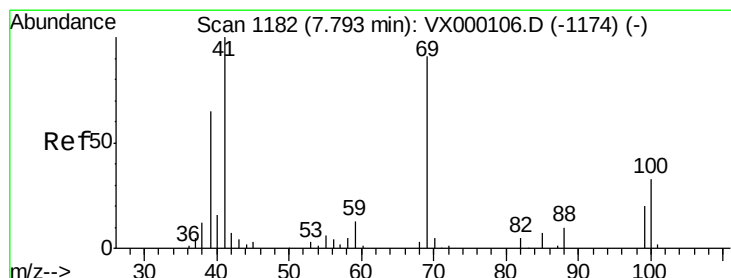
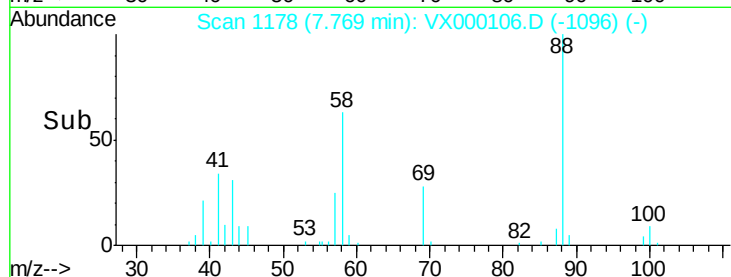
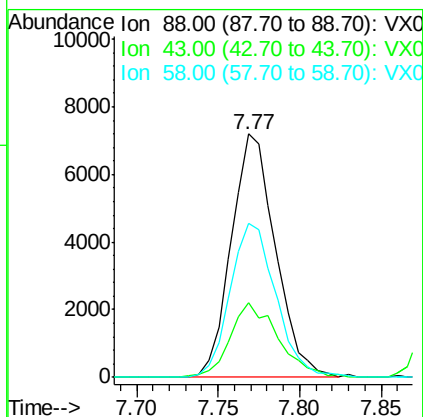
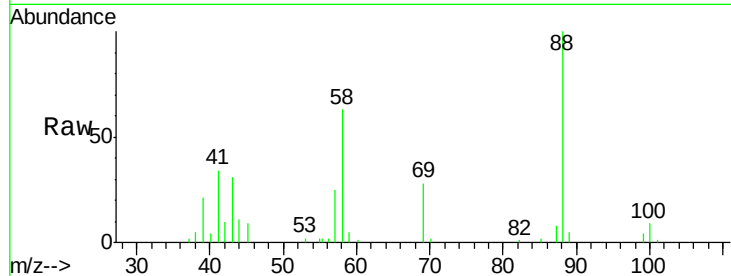




#45
 1,4-Dioxane
 Concen: 400.00 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

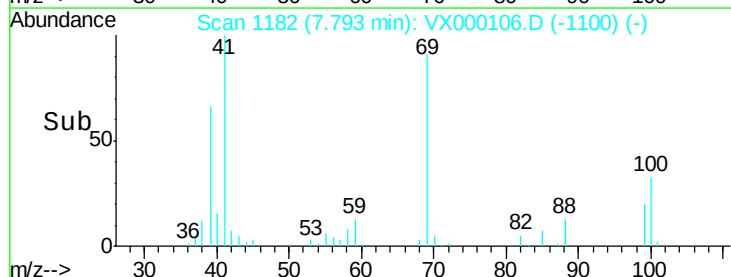
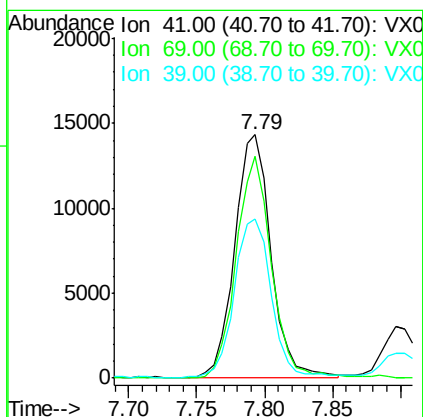
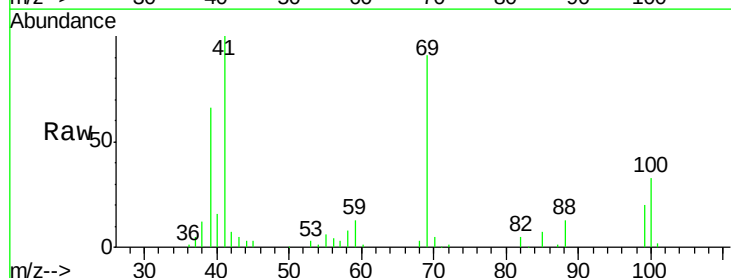
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

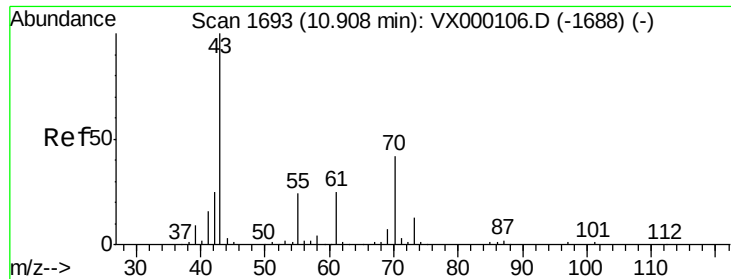
Tgt Ion: 88 Resp: 13599
 Ion Ratio Lower Upper
 88 100
 43 33.5 26.8 40.2
 58 65.1 52.1 78.1



#46
 Methyl methacrylate
 Concen: 20.00 ug/l
 RT: 7.79 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion: 41 Resp: 26810
 Ion Ratio Lower Upper
 41 100
 69 91.0 45.5 136.5
 39 65.0 32.5 97.5





#47

n-amyI Acetate

Concen: 20.00 ug/l

RT: 10.91 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

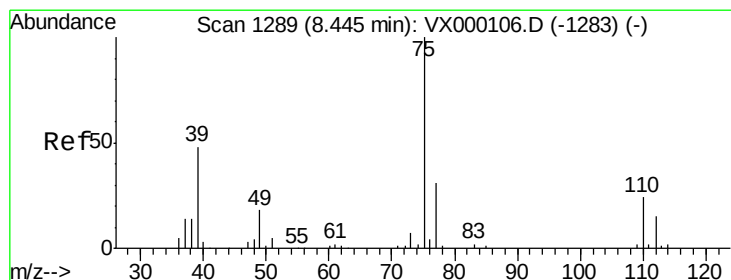
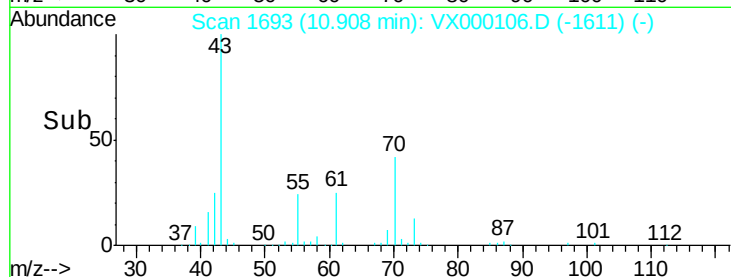
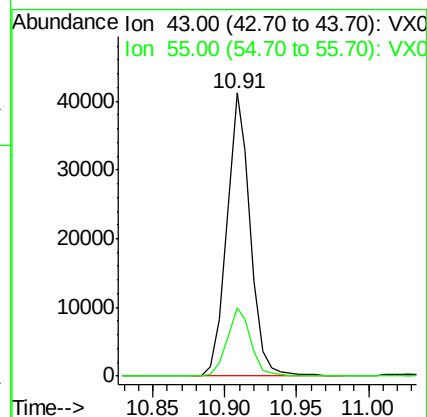
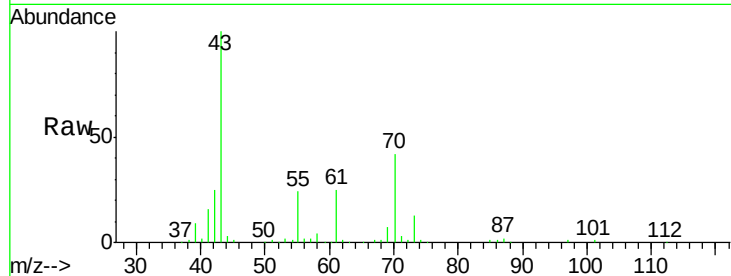
VSTDICCC020

Tgt Ion: 43 Resp: 47188

Ion Ratio Lower Upper

43 100

55 24.3 19.4 29.2



#48

t-1,3-Dichloropropene

Concen: 20.00 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000106.D

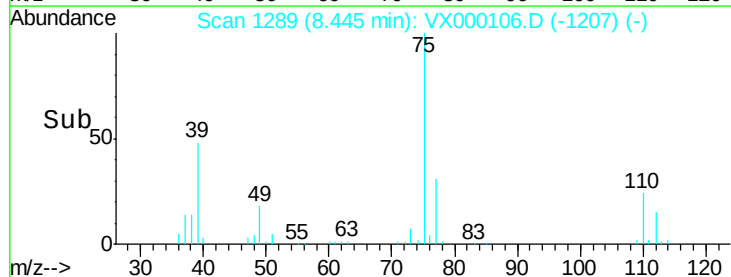
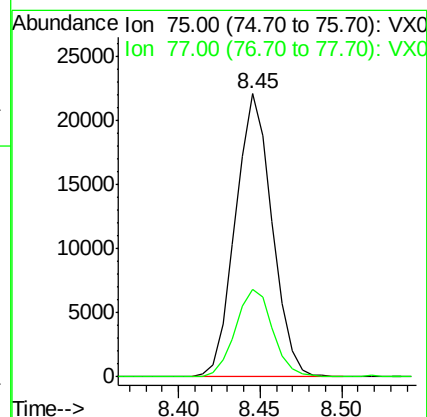
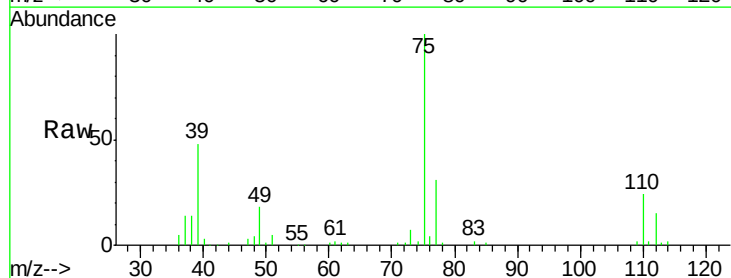
Acq: 20 Feb 2018 13:52

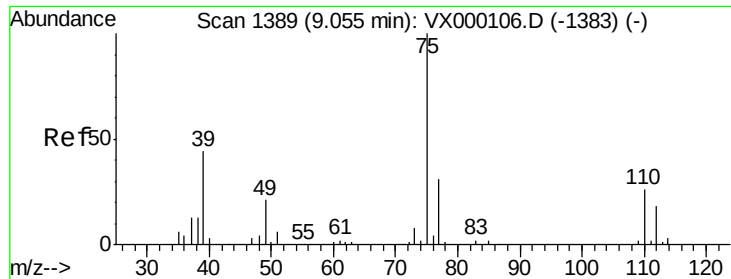
Tgt Ion: 75 Resp: 34610

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0



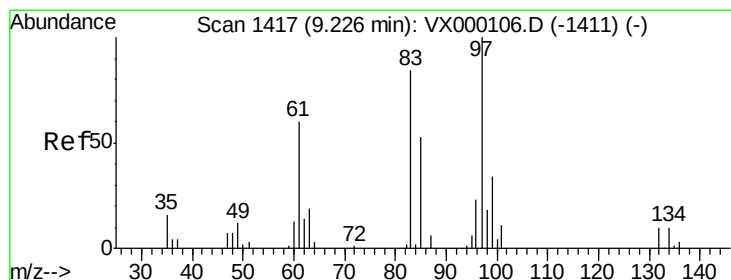
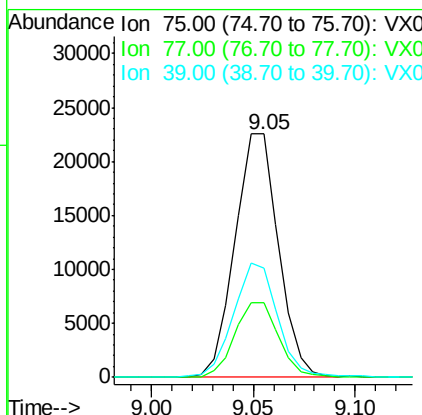
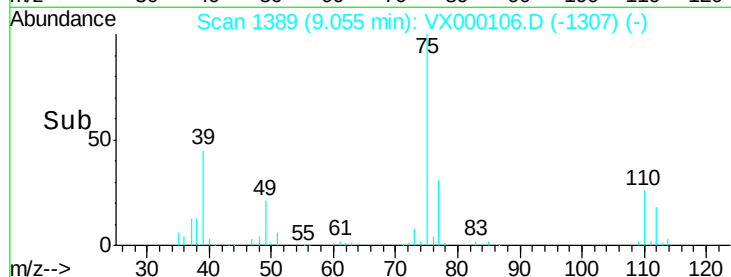
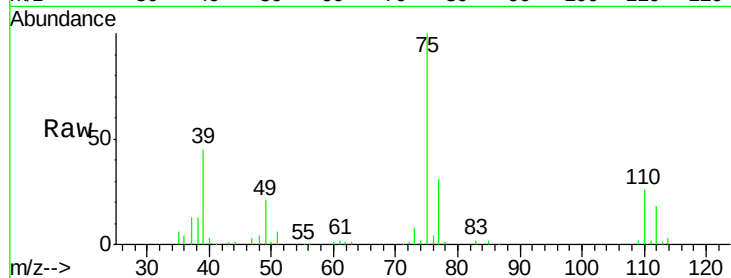


#49

cis-1,3-Dichloropropene
Concen: 20.00 ug/l
RT: 9.05 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

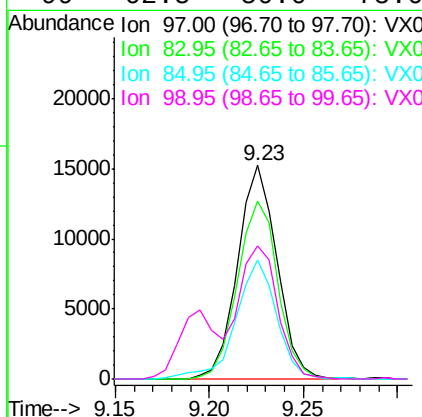
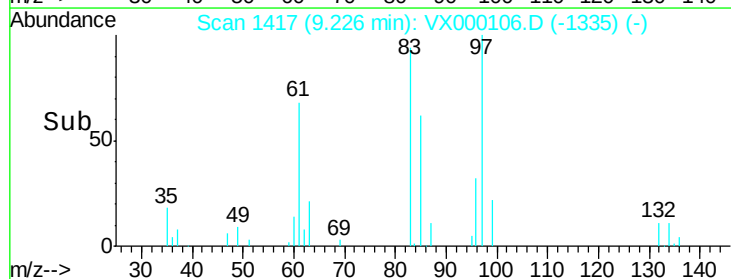
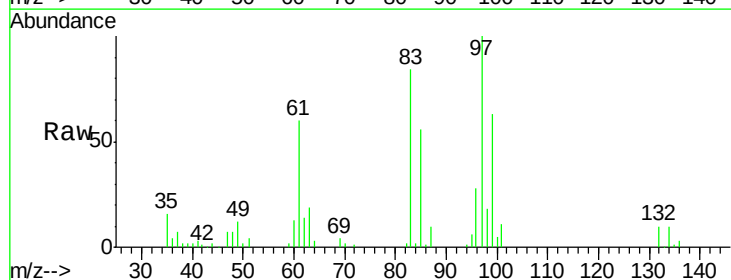
Tgt Ion: 75 Resp: 33436
Ion Ratio Lower Upper
75 100
77 30.6 24.5 36.7
39 44.5 35.6 53.4

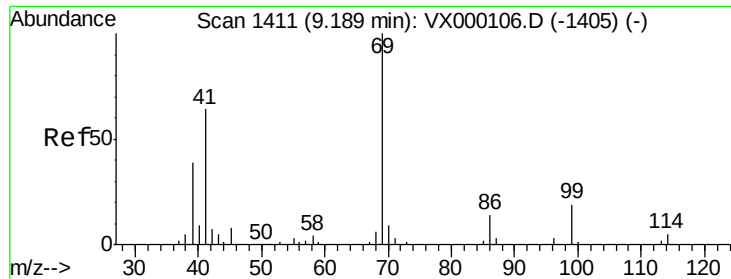


#50

1,1,2-Trichloroethane
Concen: 20.00 ug/l
RT: 9.23 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 97 Resp: 22047
Ion Ratio Lower Upper
97 100
83 83.6 66.9 100.3
85 55.5 44.4 66.6
99 62.5 50.0 75.0





#51

Ethyl methacrylate

Concen: 20.00 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

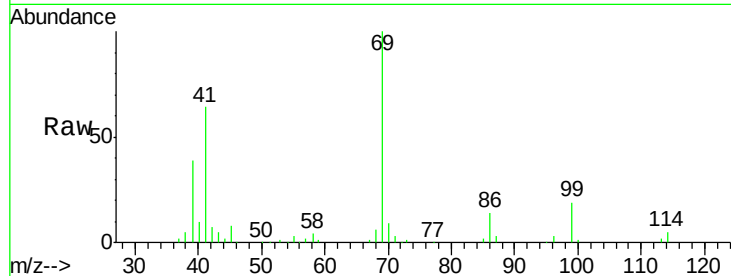
Tgt Ion: 69 Resp: 33591

Ion Ratio Lower Upper

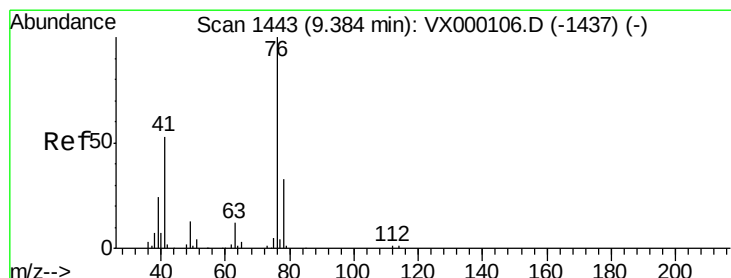
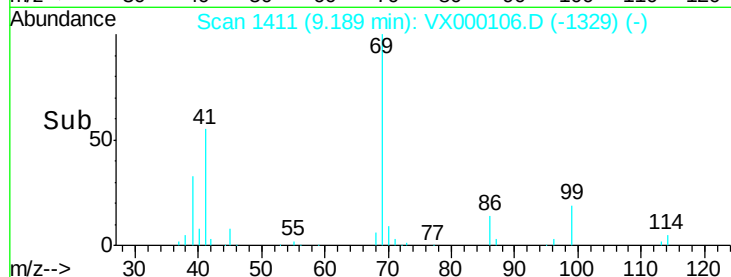
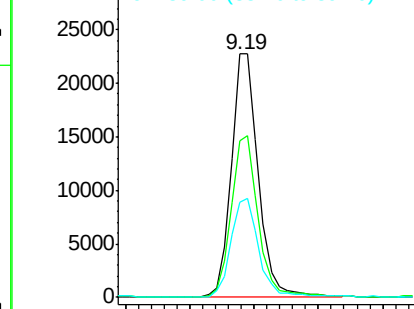
69 100

41 64.2 32.1 96.3

39 39.1 19.6 58.7



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: 20.00 ug/l

RT: 9.38 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VX000106.D

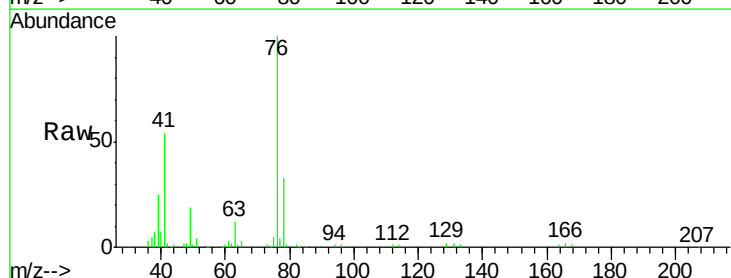
Acq: 20 Feb 2018 13:52

Tgt Ion: 76 Resp: 36651

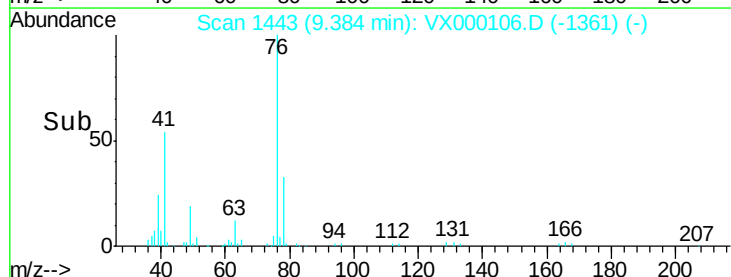
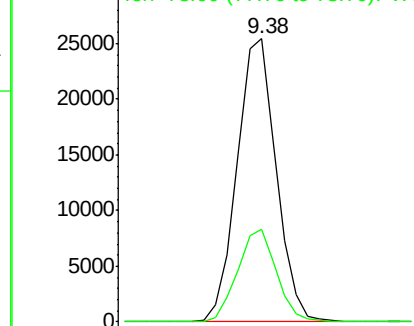
Ion Ratio Lower Upper

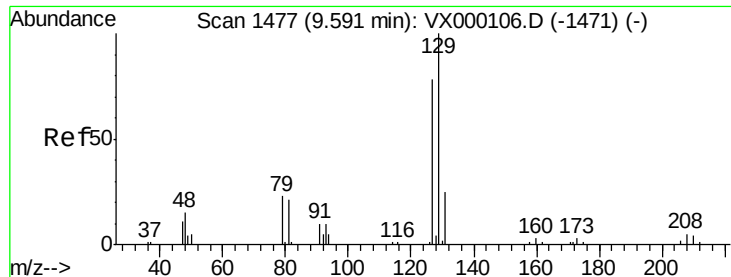
76 100

78 32.5 0.0 65.0



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

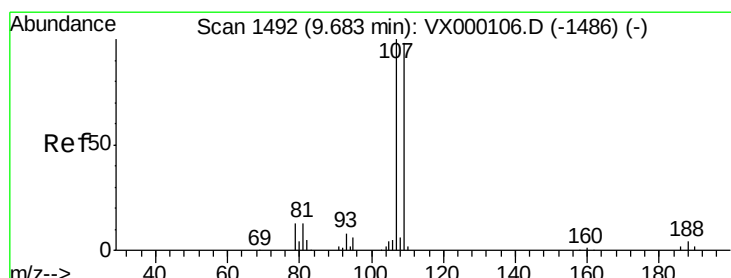
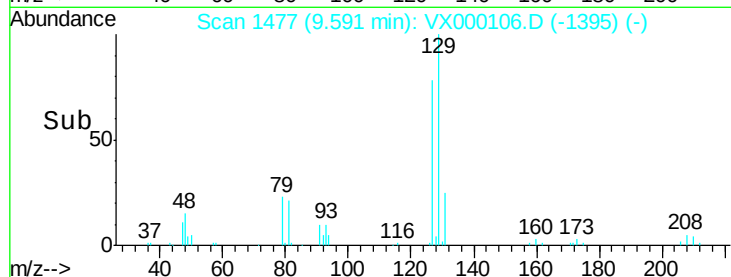
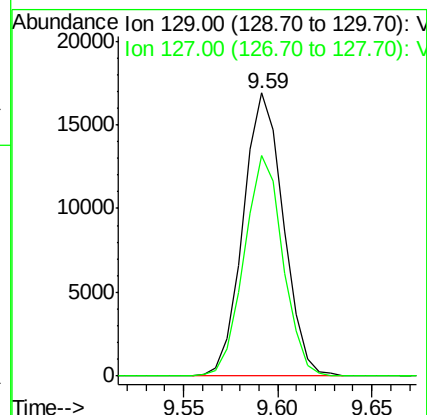
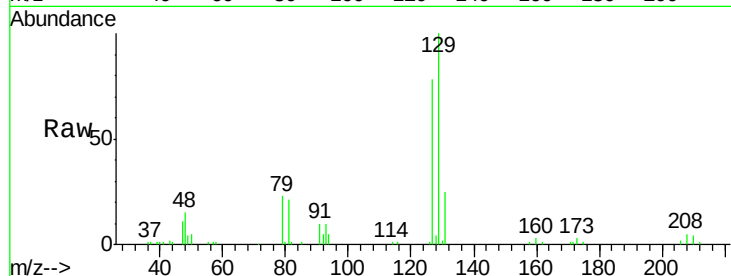




#53
Dibromochloromethane
Concen: 20.00 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

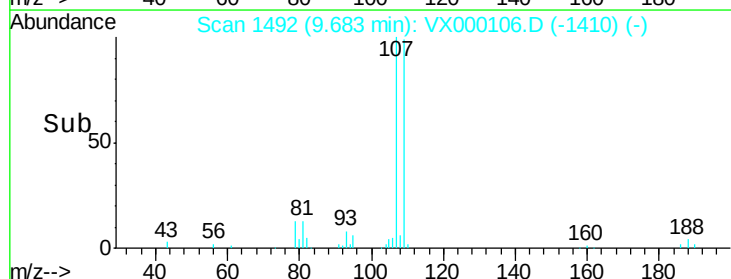
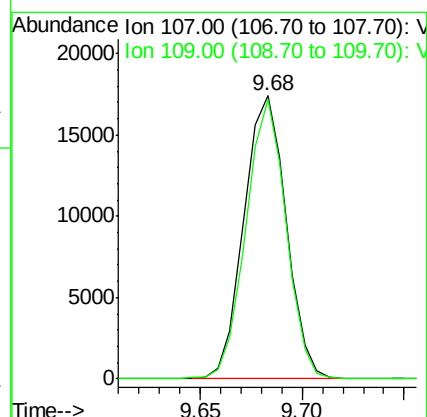
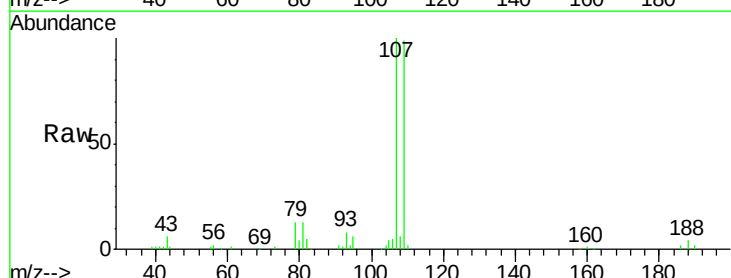
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

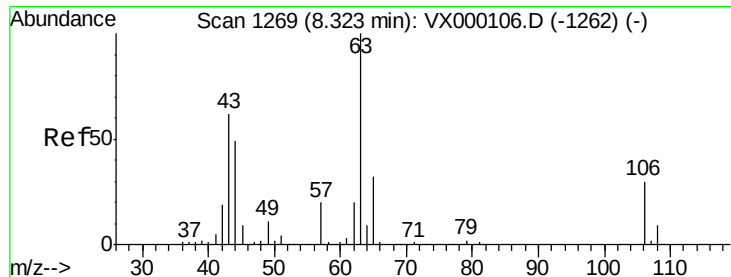
Tgt Ion:129 Resp: 24985
Ion Ratio Lower Upper
129 100
127 75.0 37.5 112.5



#54
1,2-Dibromoethane
Concen: 20.00 ug/l
RT: 9.68 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion:107 Resp: 25124
Ion Ratio Lower Upper
107 100
109 93.1 74.5 111.7

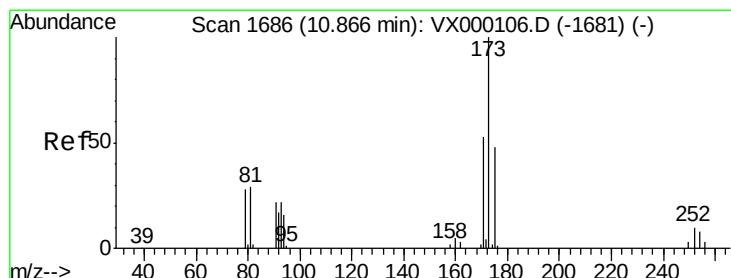
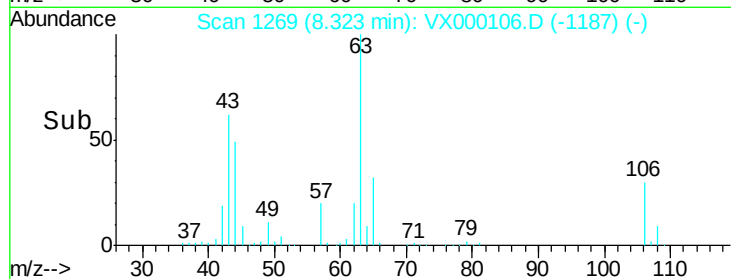
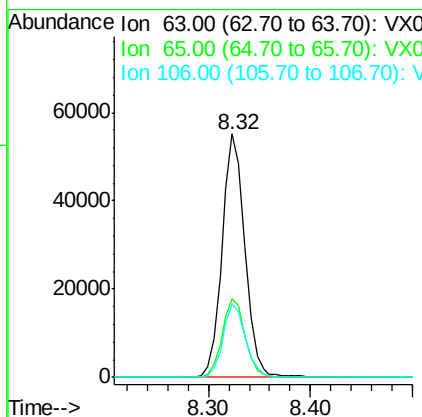
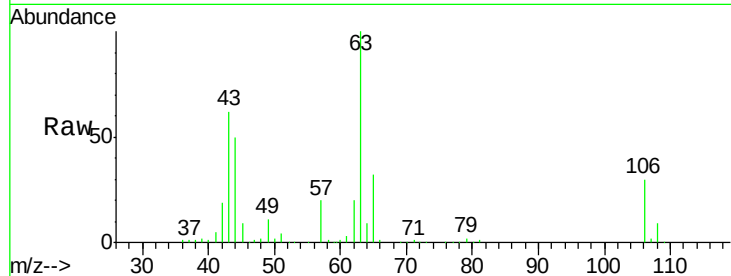




#55
2-Chloroethyl vinyl ether
Concen: 100.00 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

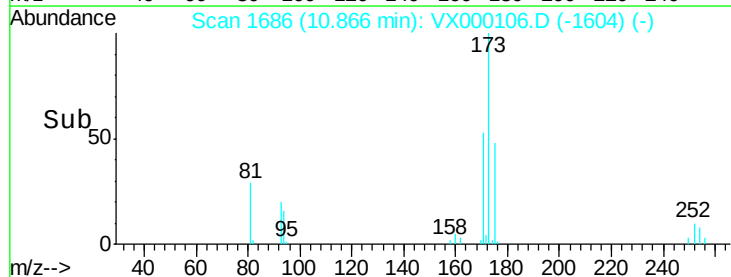
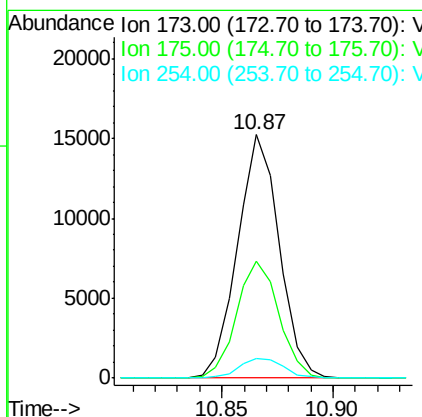
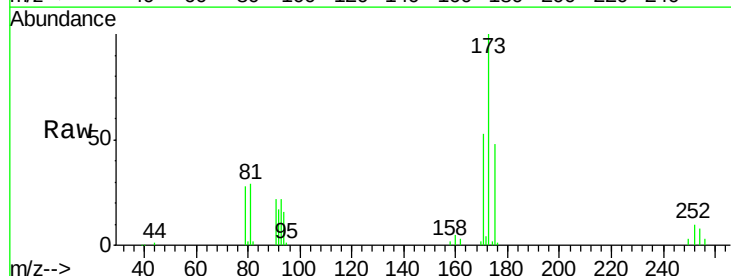
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

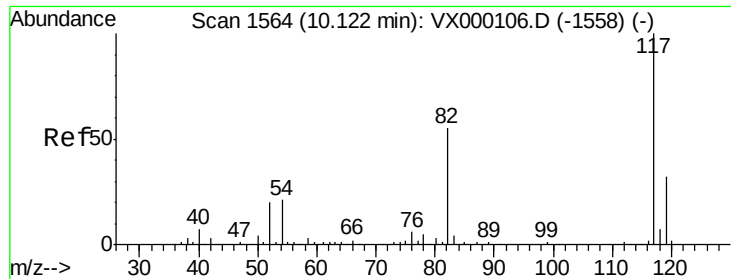
Tgt Ion: 63 Resp: 85638
Ion Ratio Lower Upper
63 100
65 32.3 25.8 38.8
106 29.7 23.8 35.6



#56
Bromoform
Concen: 20.00 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 173 Resp: 19843
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.4
254 8.7 7.0 10.4

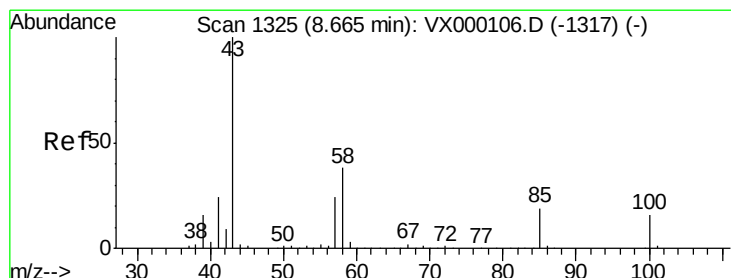
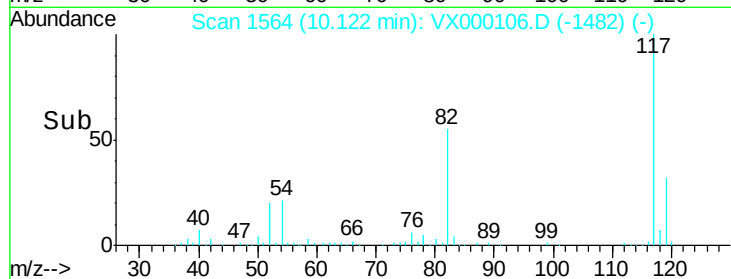
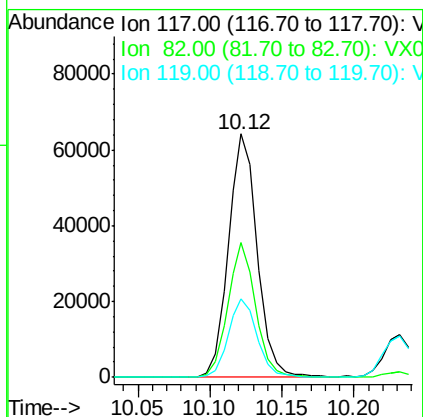
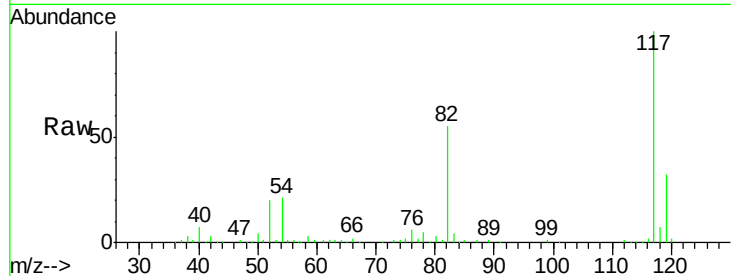




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

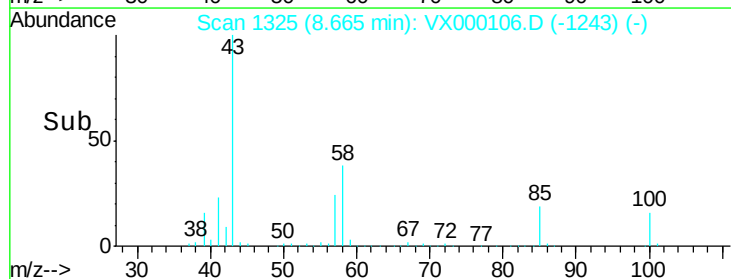
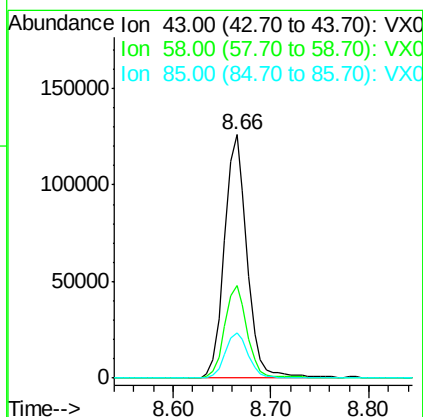
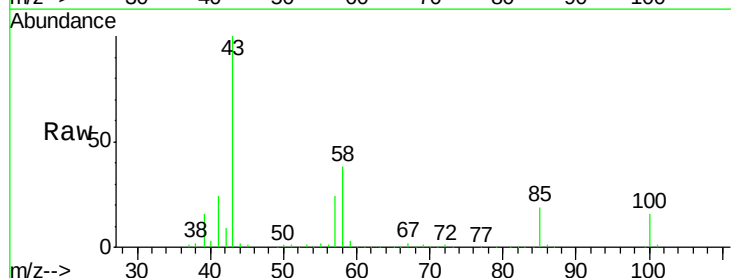
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

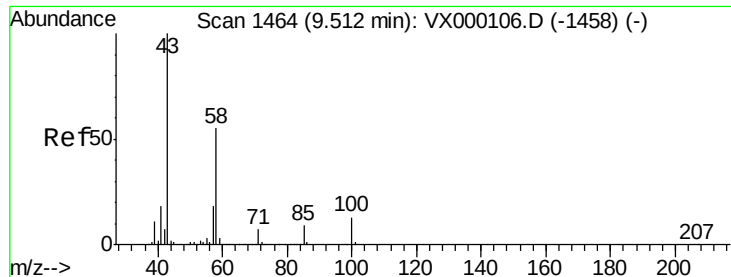
Tgt Ion: 117 Resp: 90201
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.3 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 100.00 ug/l
RT: 8.66 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 43 Resp: 203221
Ion Ratio Lower Upper
43 100
58 37.3 29.8 44.8
85 18.6 14.9 22.3

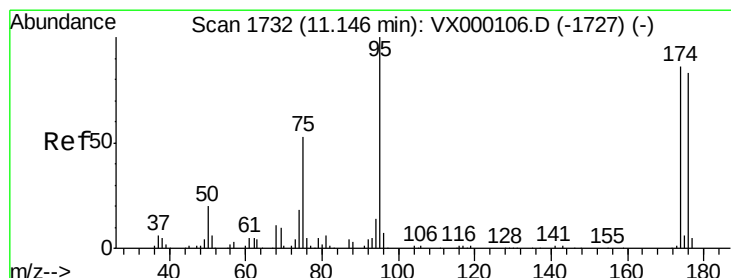
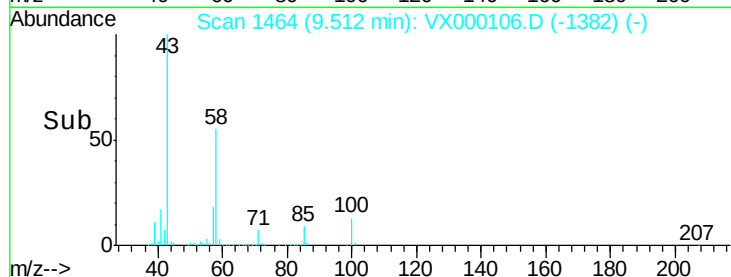
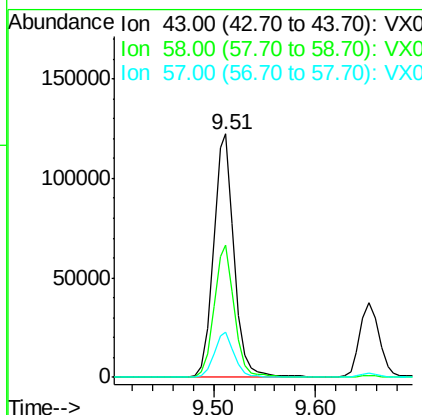
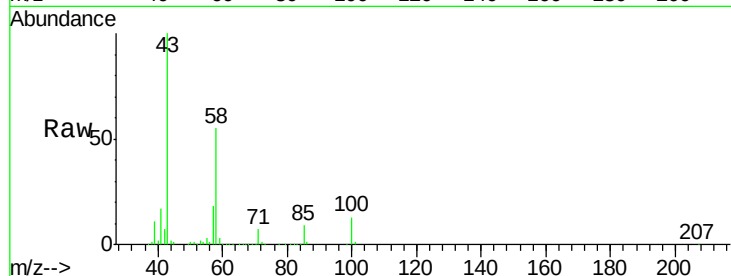




#59
2-Hexanone
Concen: 100.00 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

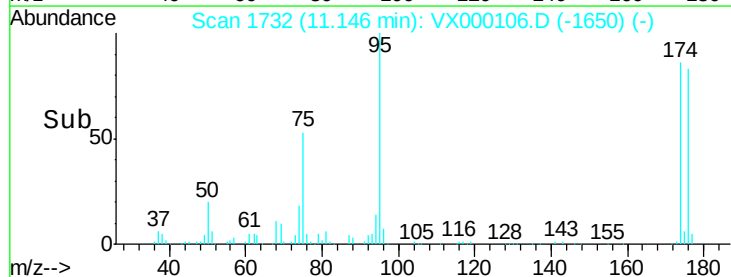
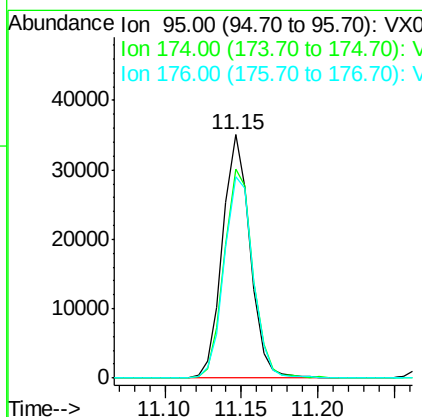
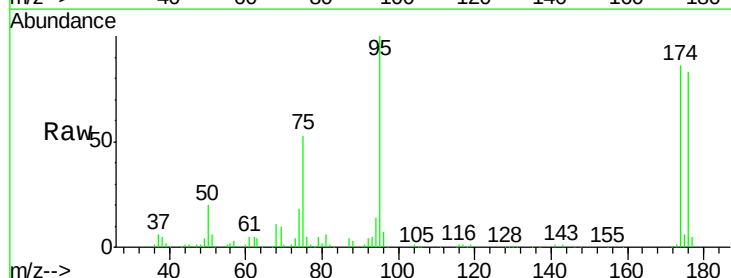
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

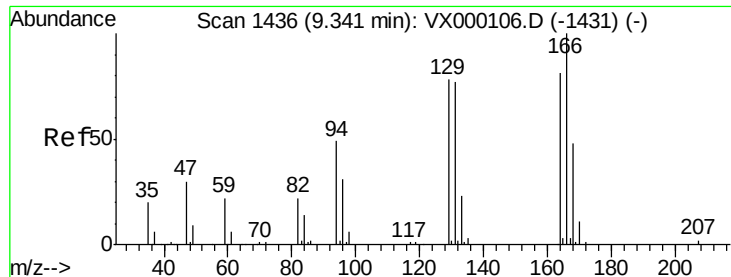
Tgt Ion: 43 Resp: 173057
Ion Ratio Lower Upper
43 100
58 53.8 43.0 64.6
57 18.0 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 30.00 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 95 Resp: 44039
Ion Ratio Lower Upper
95 100
174 88.9 71.1 106.7
176 86.6 69.3 103.9

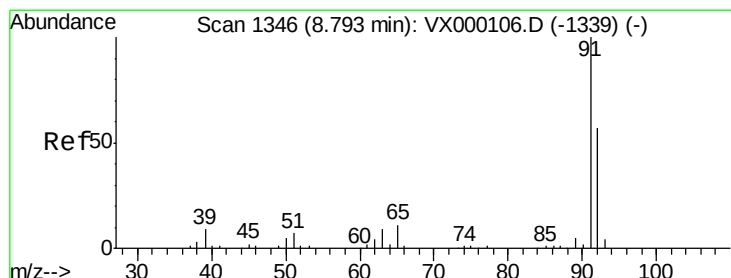
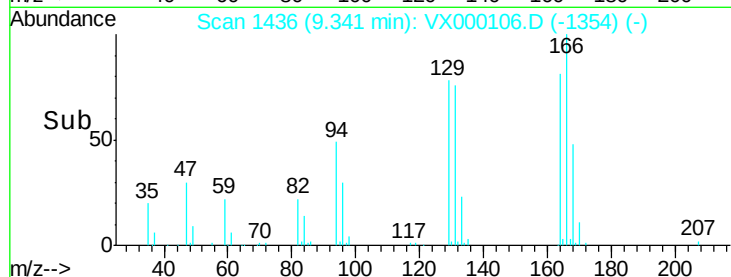
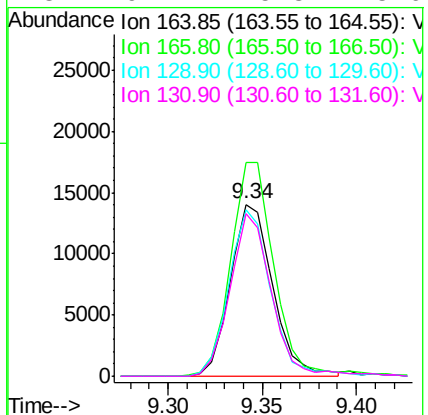
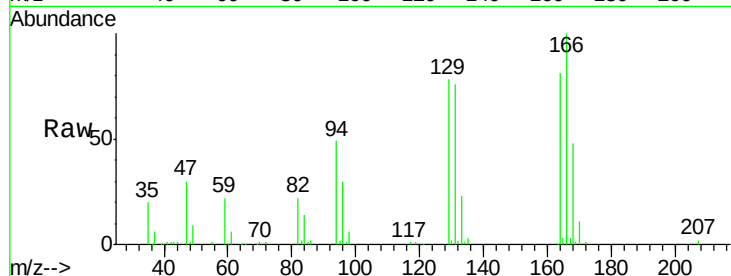




#61
Tetrachloroethene
Concen: 20.00 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

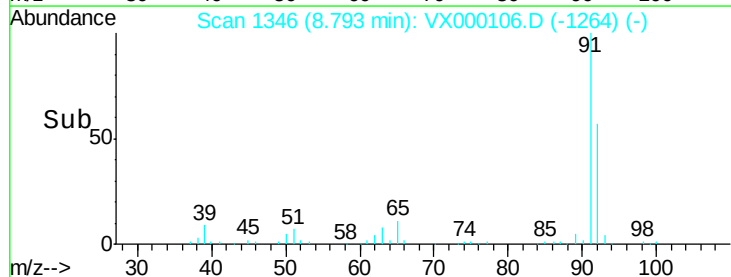
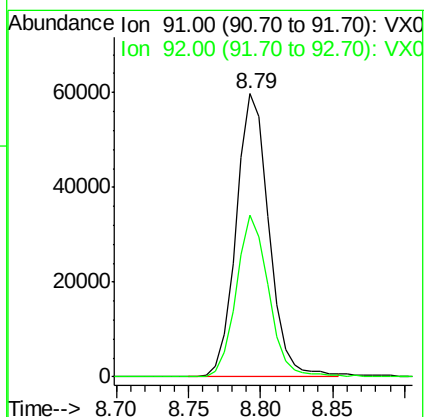
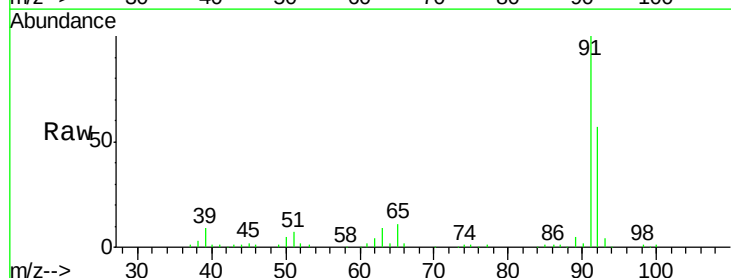
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

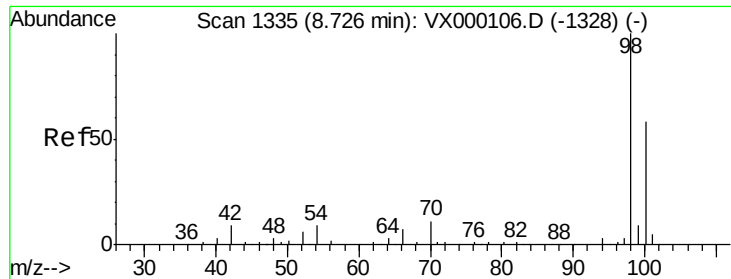
Tgt Ion:164 Resp: 21937
Ion Ratio Lower Upper
164 100
166 123.7 99.0 148.4
129 96.3 77.0 115.6
131 94.7 75.8 113.6



#62
Toluene
Concen: 20.00 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 91 Resp: 94824
Ion Ratio Lower Upper
91 100
92 56.7 45.4 68.0

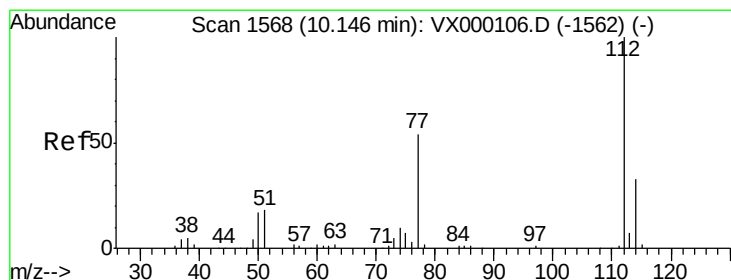
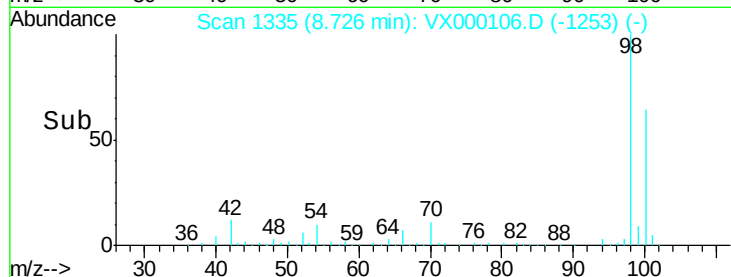
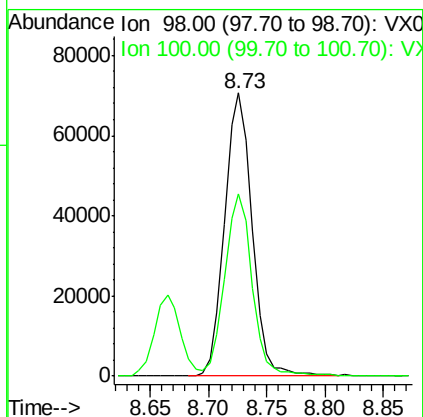
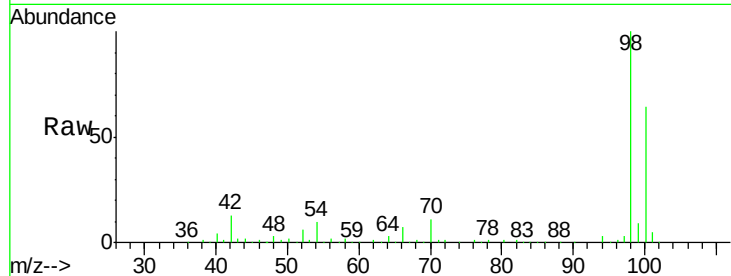




#63
Toluene-d8
Concen: 30.00 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

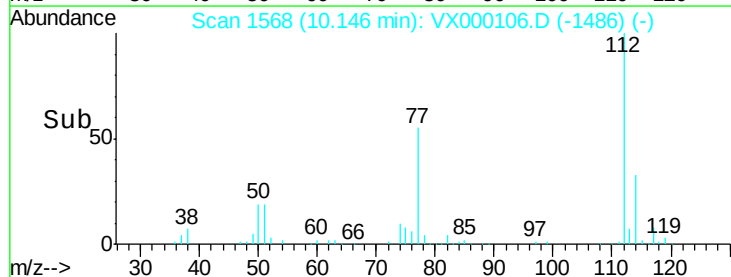
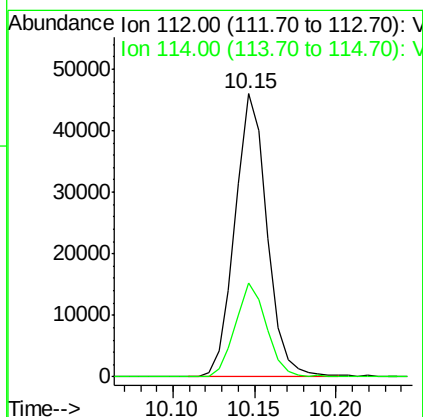
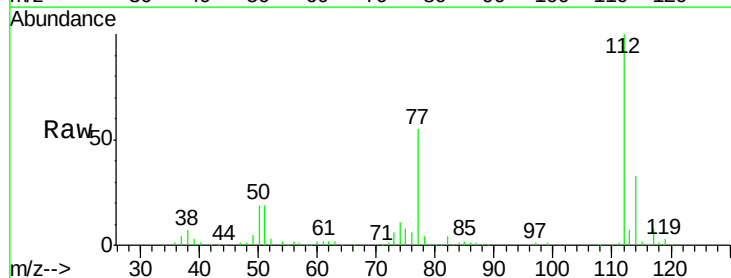
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

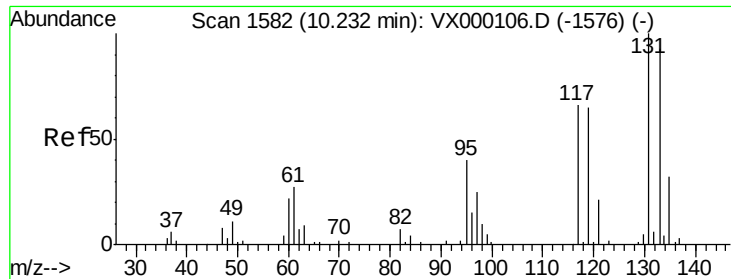
Tgt Ion: 98 Resp: 116103
Ion Ratio Lower Upper
98 100
100 62.5 50.0 75.0



#64
Chlorobenzene
Concen: 20.00 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 112 Resp: 63234
Ion Ratio Lower Upper
112 100
114 33.0 26.4 39.6





#65

1,1,1,2-Tetrachloroethane

Concen: 20.00 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

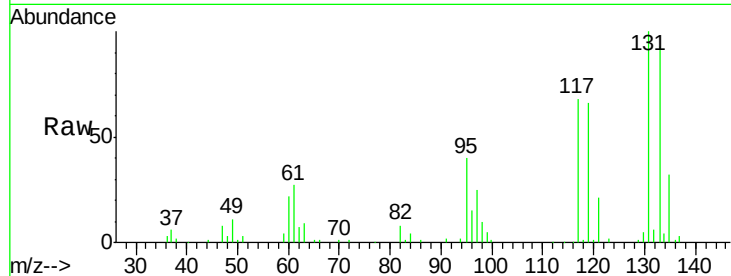
Tgt Ion:131 Resp: 22545

Ion Ratio Lower Upper

131 100

133 93.8 0.0 187.6

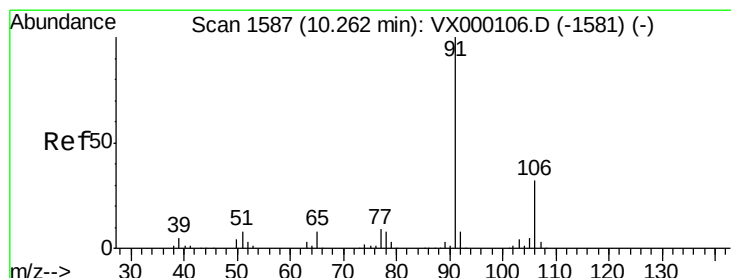
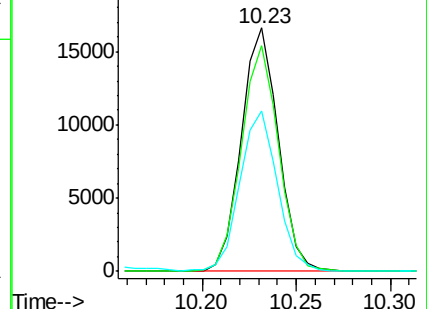
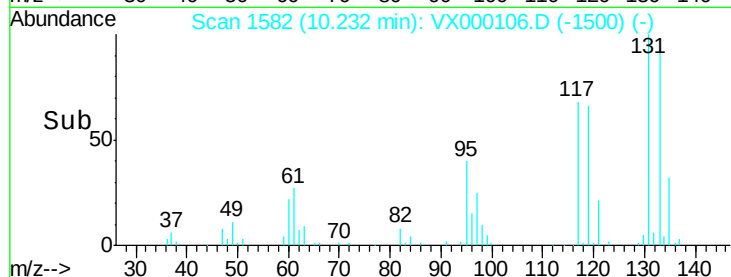
119 67.0 0.0 134.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.00 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VX000106.D

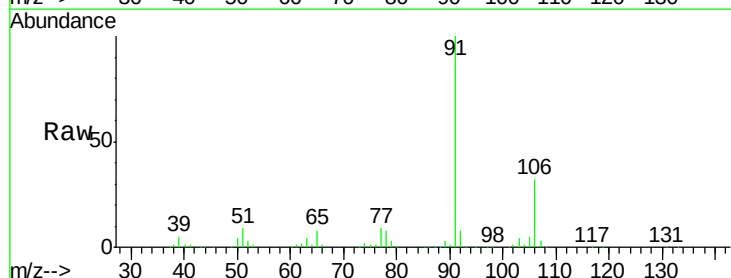
Acq: 20 Feb 2018 13:52

Tgt Ion: 91 Resp: 108909

Ion Ratio Lower Upper

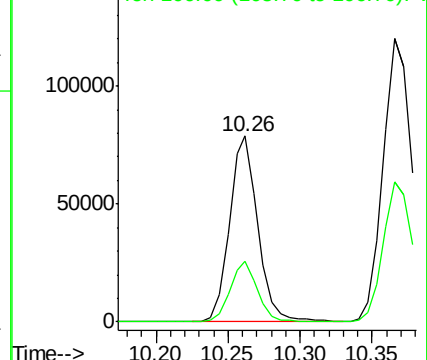
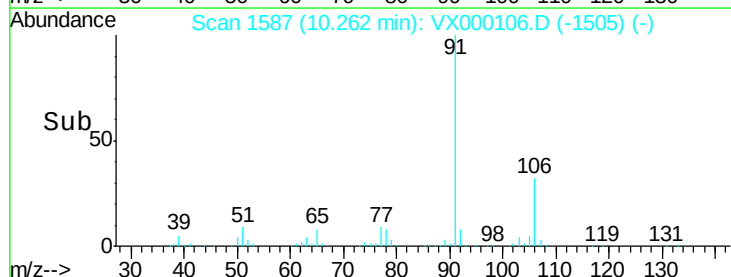
91 100

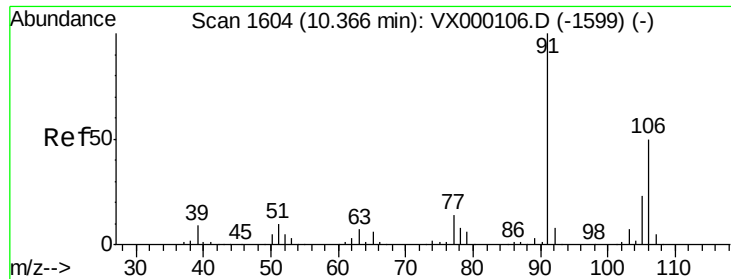
106 32.4 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.00 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampled :

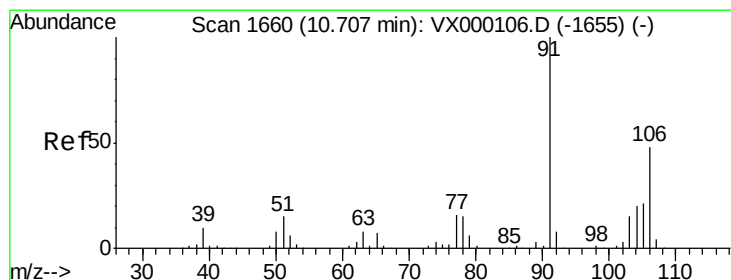
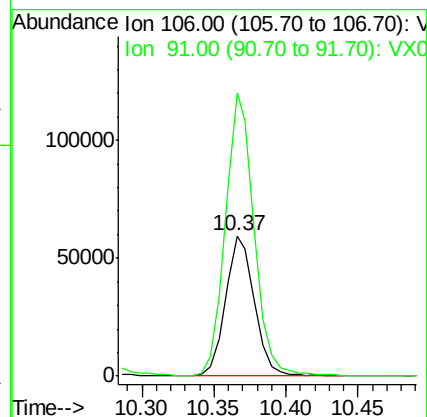
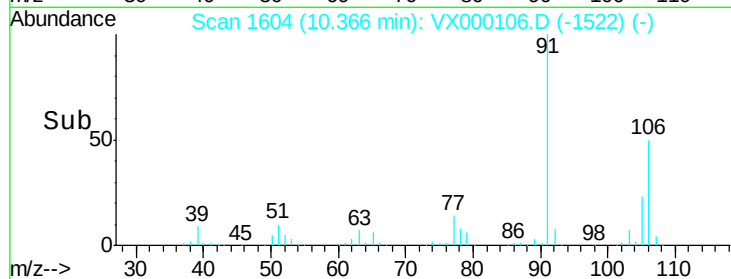
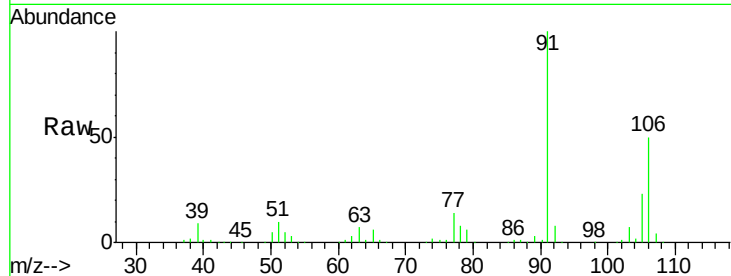
VSTDICCC020

Tgt Ion:106 Resp: 83554

Ion Ratio Lower Upper

106 100

91 202.0 161.6 242.4



#68

o-Xylene

Concen: 20.00 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX000106.D

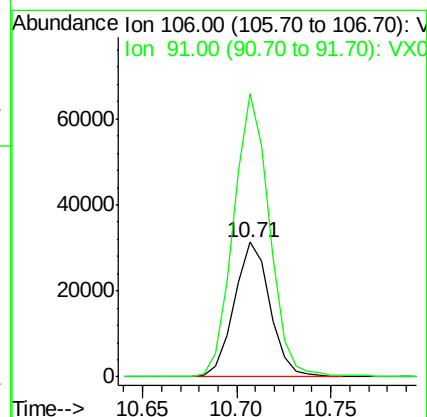
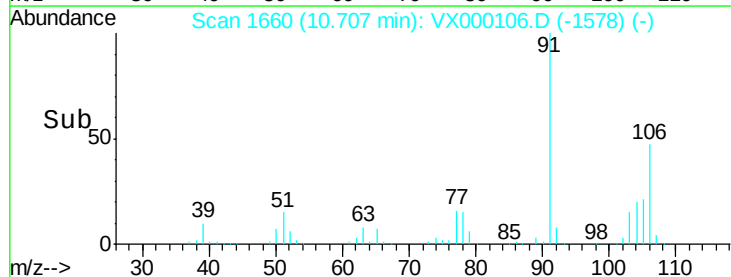
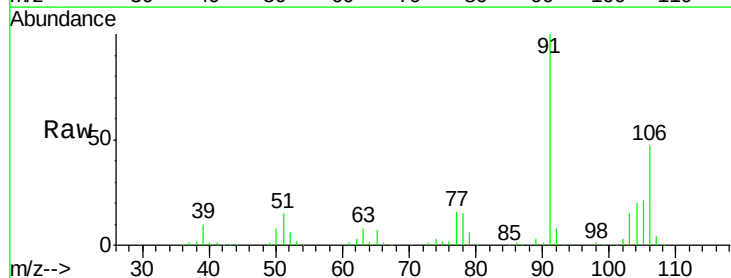
Acq: 20 Feb 2018 13:52

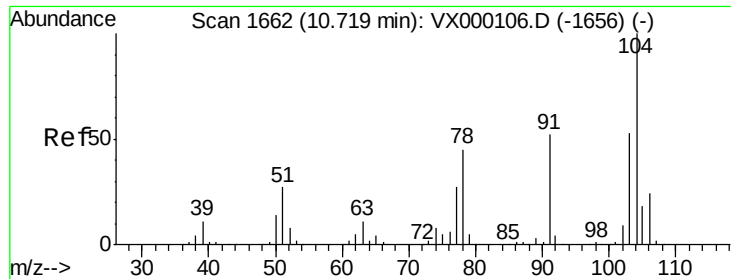
Tgt Ion:106 Resp: 41237

Ion Ratio Lower Upper

106 100

91 211.2 105.6 316.8

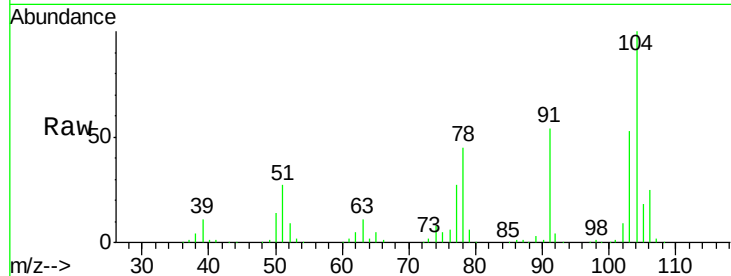




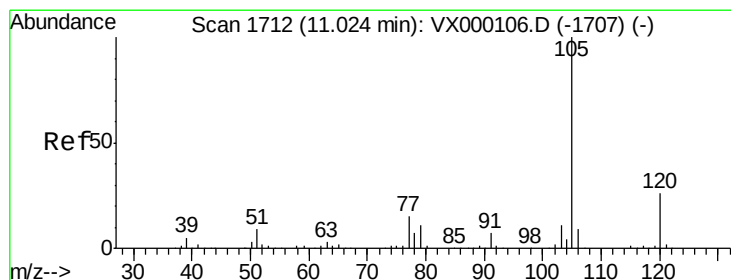
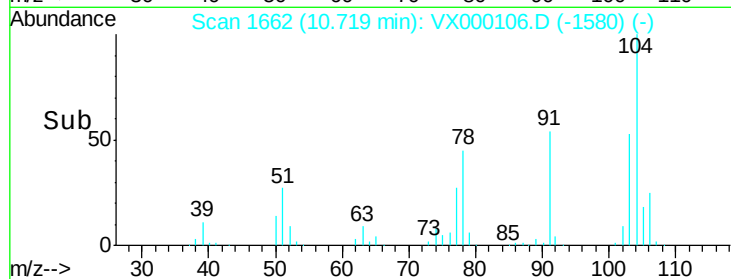
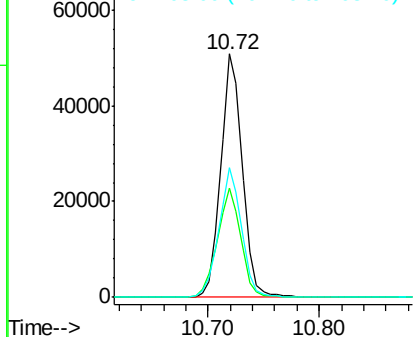
#69
Styrene
Concen: 20.00 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:104 Resp: 68134
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.4
103 55.9 44.7 67.1

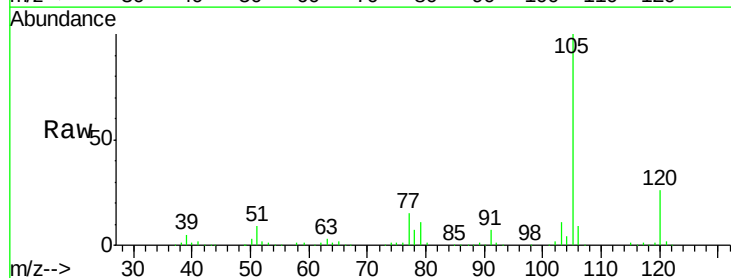


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX
Ion 103.00 (102.70 to 103.70): V

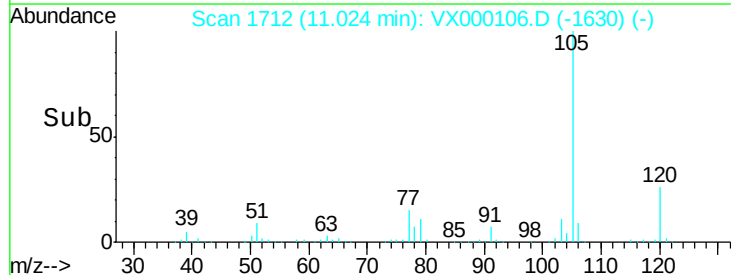
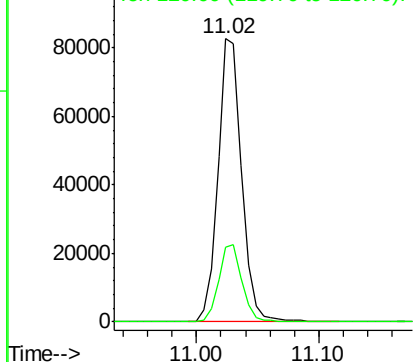


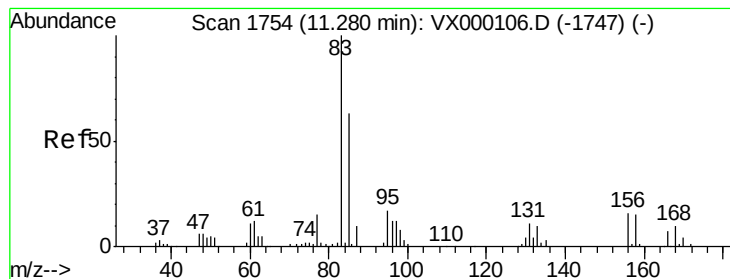
#70
Isopropylbenzene
Concen: 20.00 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion:105 Resp: 111316
Ion Ratio Lower Upper
105 100
120 26.9 18.8 35.0



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





#71

1,1,2,2-Tetrachloroethane

Concen: 20.00 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

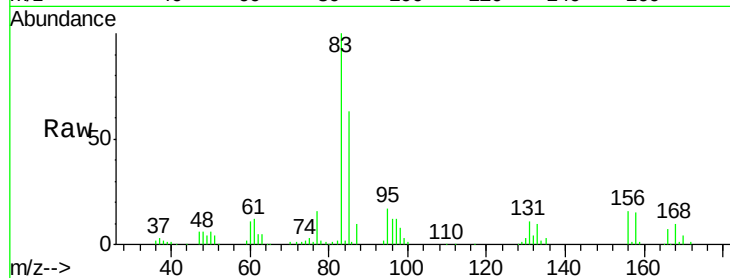
Tgt Ion: 83 Resp: 38395

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

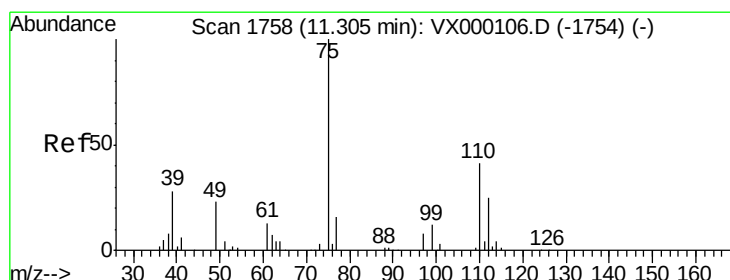
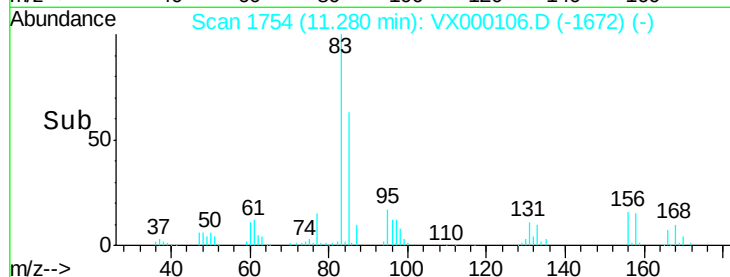
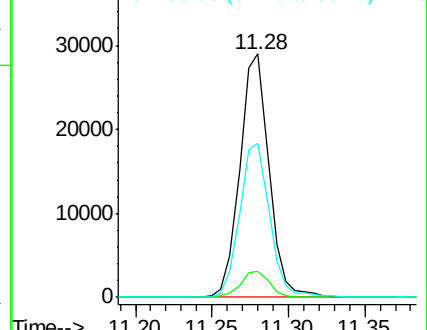
85 65.0 32.5 97.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 27.34 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000106.D

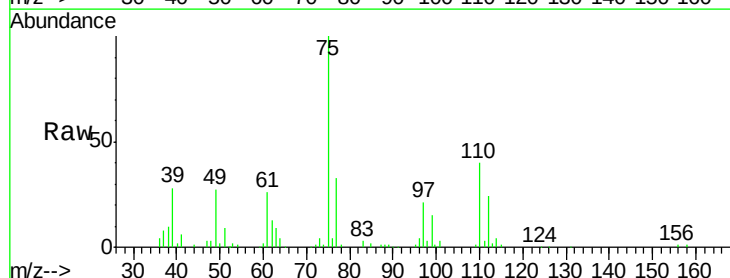
Acq: 20 Feb 2018 13:52

Tgt Ion: 75 Resp: 48218

Ion Ratio Lower Upper

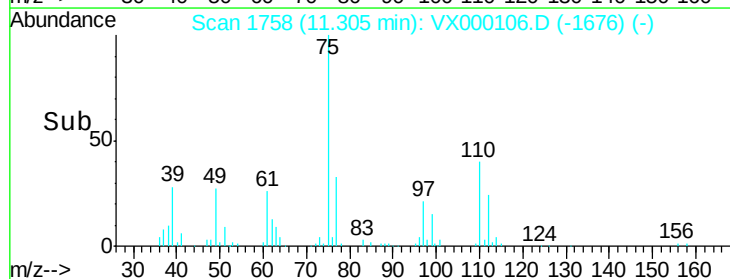
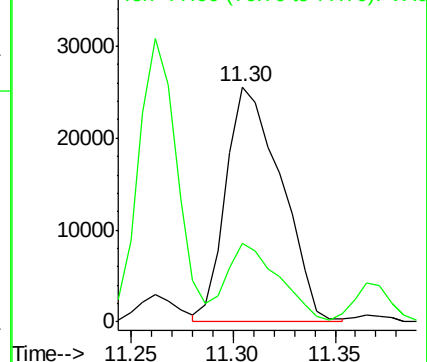
75 100

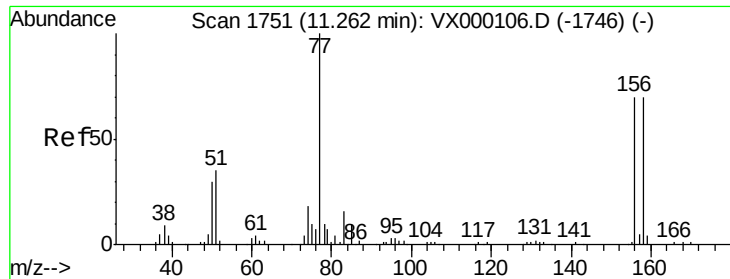
77 31.4 0.0 85.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 20.00 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

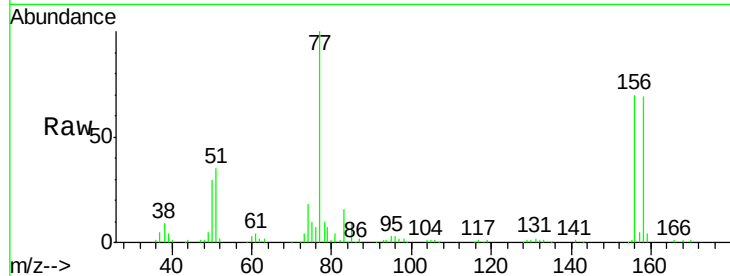
Tgt Ion:156 Resp: 28766

Ion Ratio Lower Upper

156 100

77 140.1 0.0 280.2

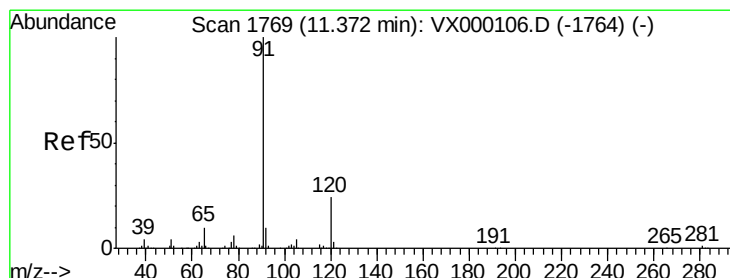
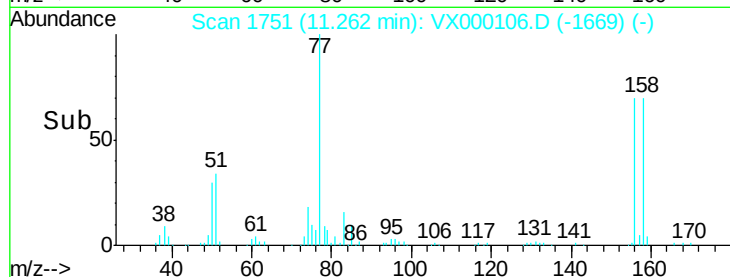
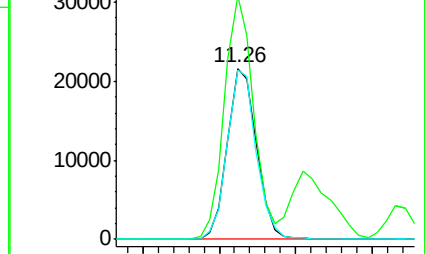
158 98.6 0.0 197.2



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: 20.00 ug/l

RT: 11.37 min Scan# 1769

Delta R.T. 0.00 min

Lab File: VX000106.D

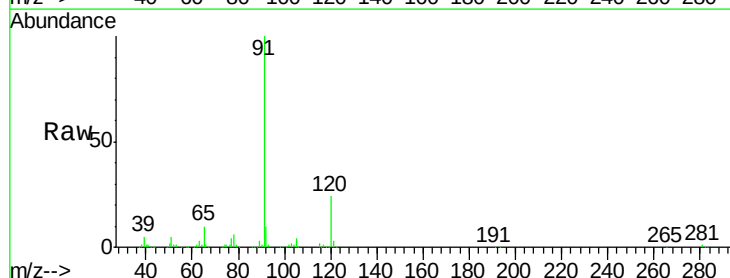
Acq: 20 Feb 2018 13:52

Tgt Ion: 91 Resp: 130400

Ion Ratio Lower Upper

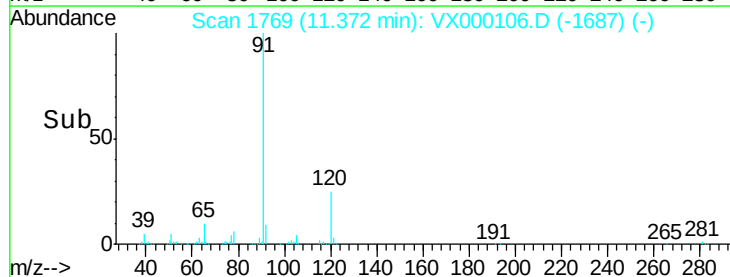
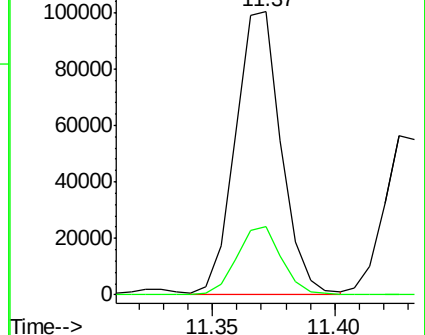
91 100

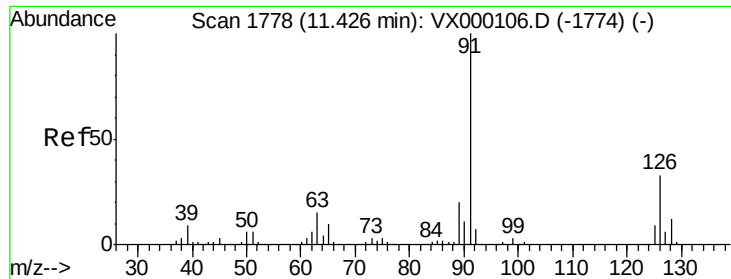
120 23.7 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

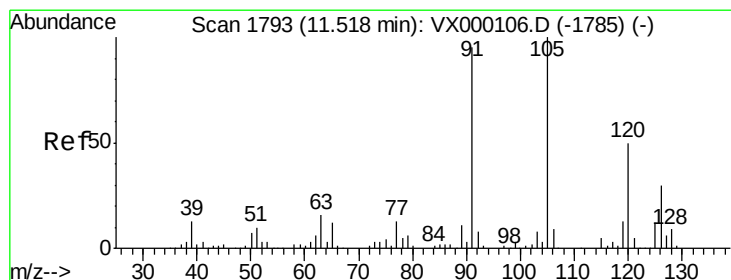
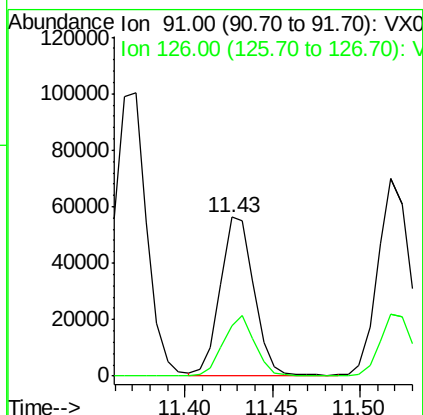
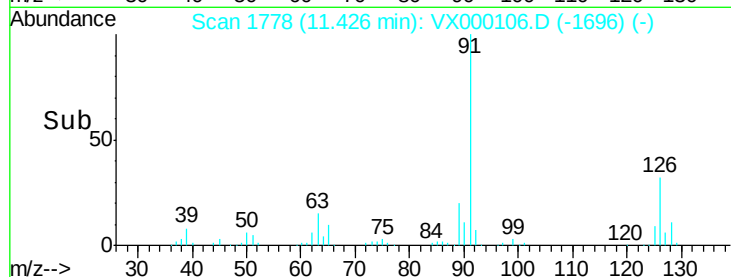
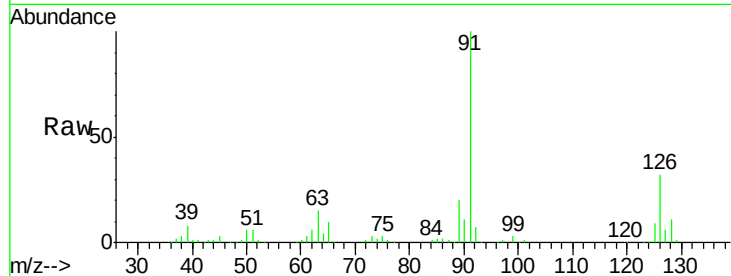




#75
 2-Chlorotoluene
 Concen: 20.00 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

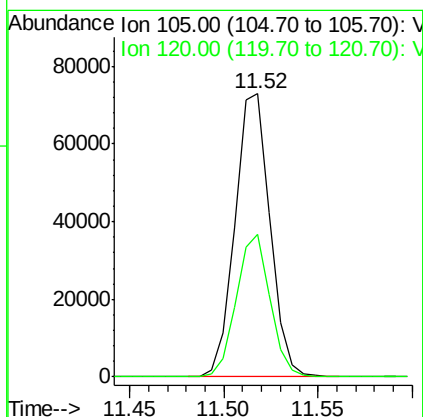
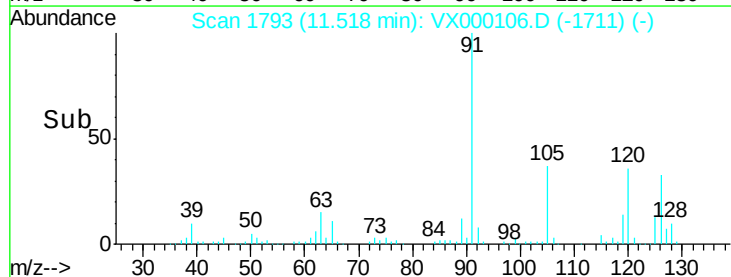
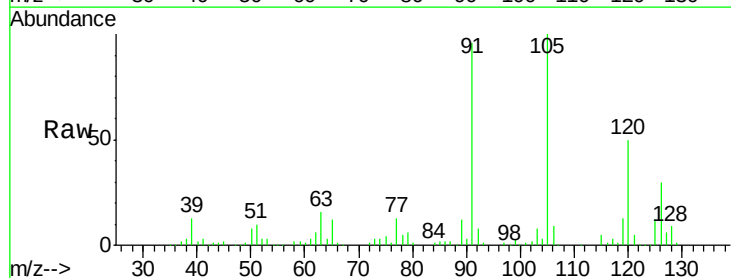
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

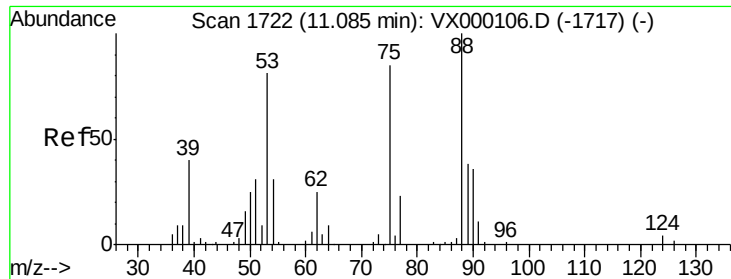
Tgt Ion: 91 Resp: 76192
 Ion Ratio Lower Upper
 91 100
 126 35.7 0.0 71.4



#76
 1,3,5-Trimethylbenzene
 Concen: 19.98 ug/l
 RT: 11.52 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion: 105 Resp: 93975
 Ion Ratio Lower Upper
 105 100
 120 48.6 0.0 63.8

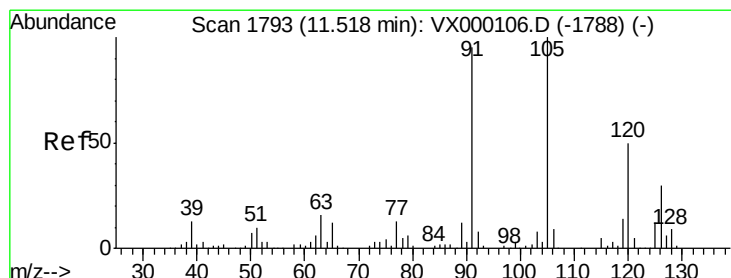
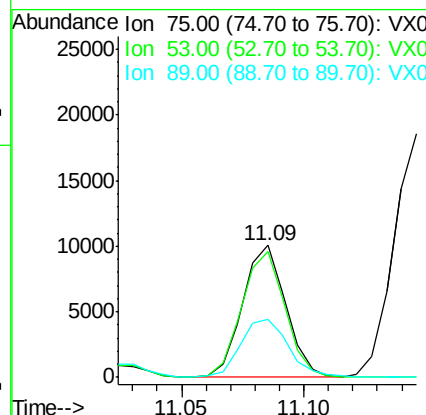
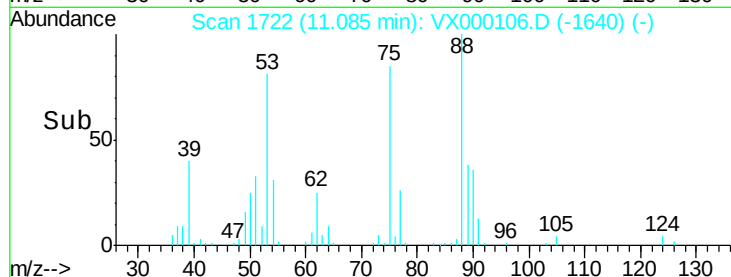
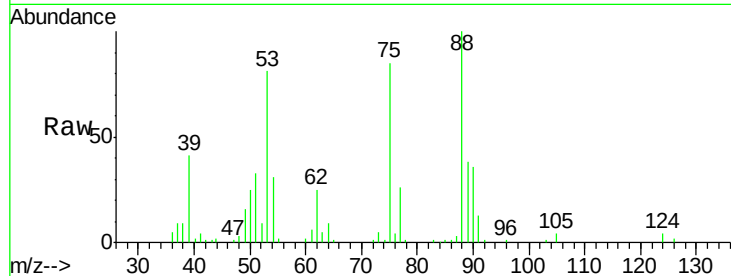




#77
t-1,4-Dichloro-2-butene
Concen: 20.00 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

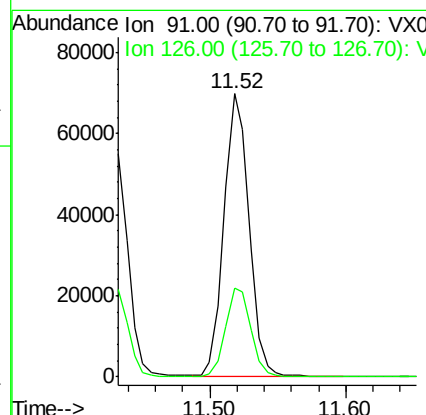
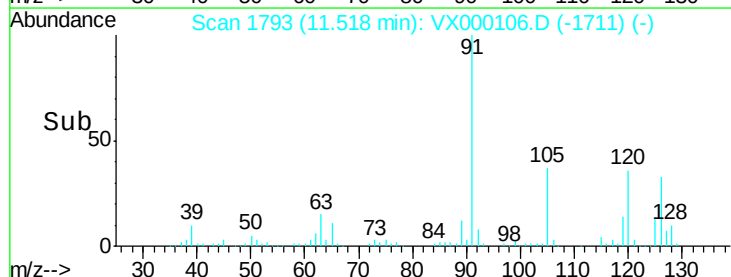
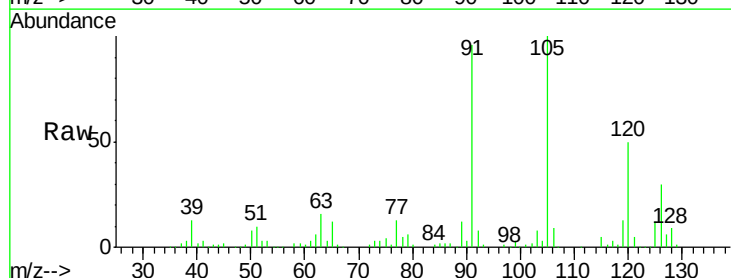
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

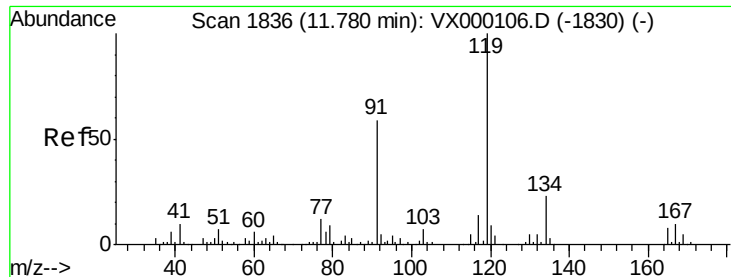
Tgt Ion: 75 Resp: 12310
Ion Ratio Lower Upper
75 100
53 95.5 47.8 143.3
89 44.5 22.3 66.8



#78
4-Chlorotoluene
Concen: 20.00 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion: 91 Resp: 89823
Ion Ratio Lower Upper
91 100
126 31.7 0.0 63.4

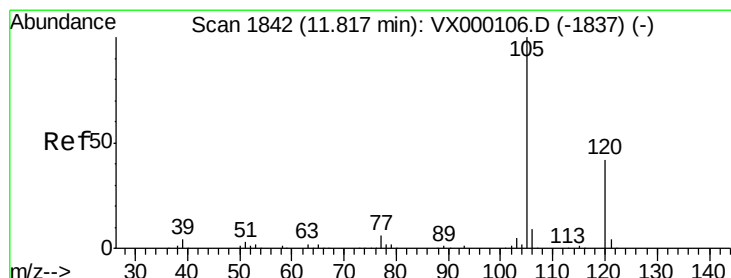
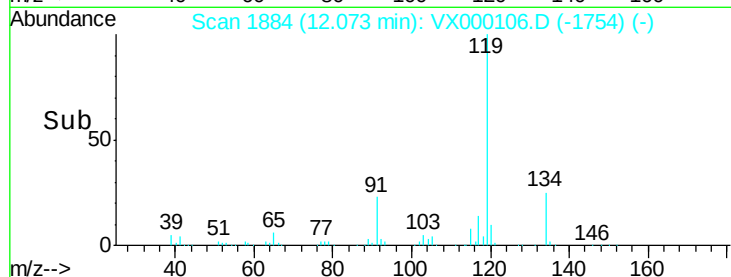
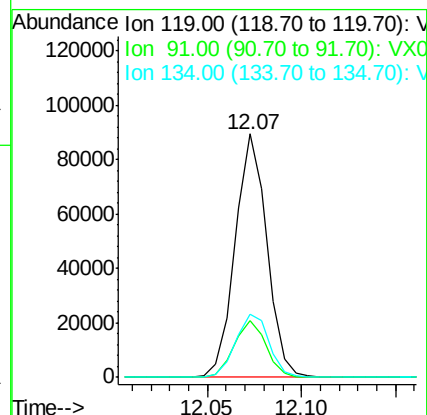
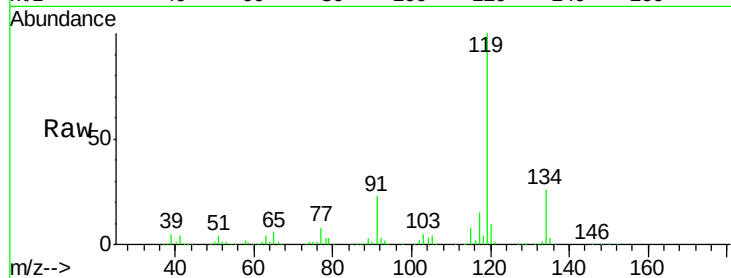




#79
tert-butylbenzene
Concen: 22.13 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.29 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

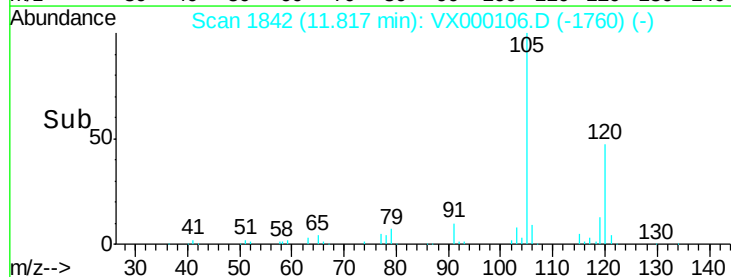
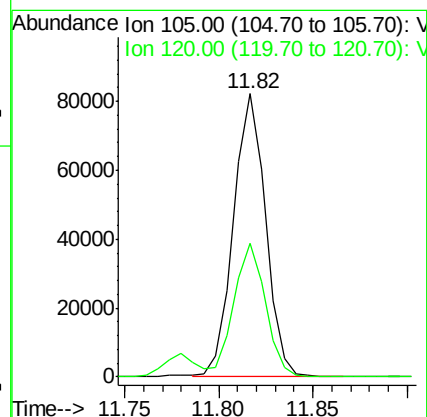
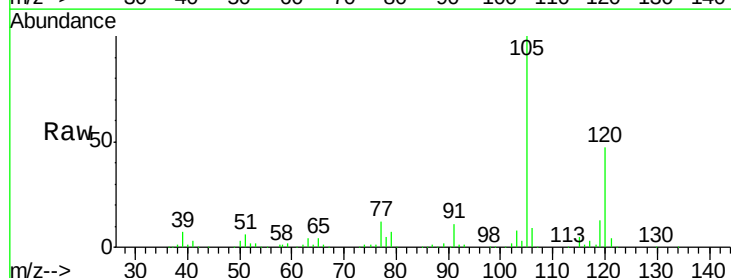
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

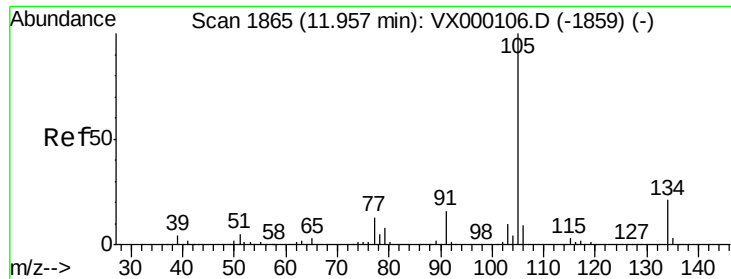
Tgt Ion:119 Resp: 104569
Ion Ratio Lower Upper
119 100
91 23.3 0.0 51.6
134 27.2 0.0 60.2



#80
1,2,4-Trimethylbenzene
Concen: 20.00 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion:105 Resp: 97421
Ion Ratio Lower Upper
105 100
120 46.5 0.0 93.0

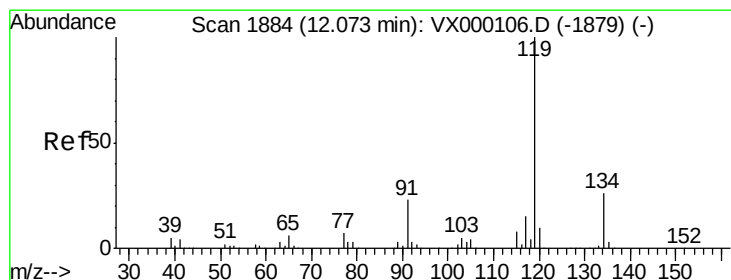
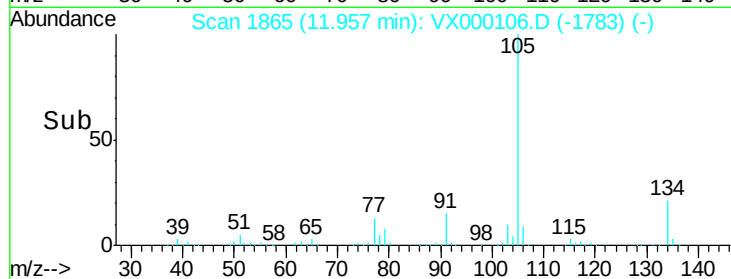
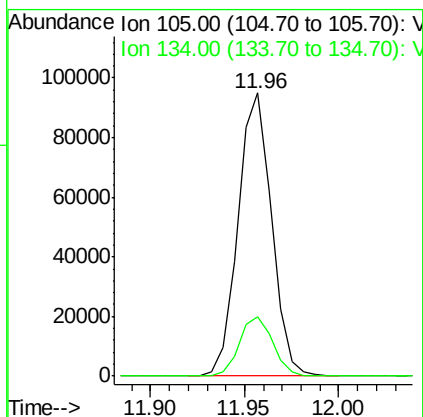
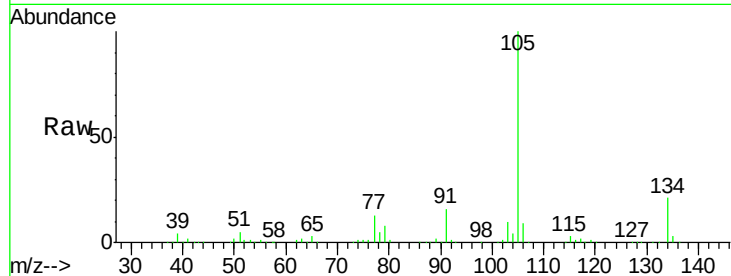




#81
 sec-Butylbenzene
 Concen: 20.00 ug/l
 RT: 11.96 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

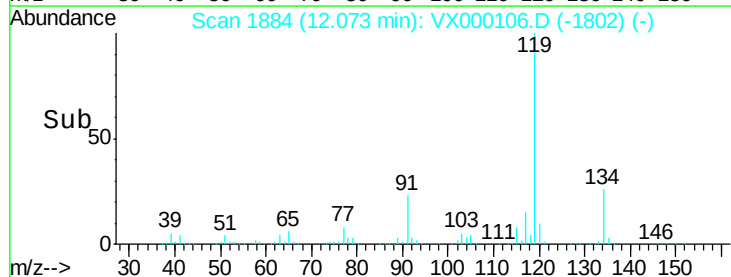
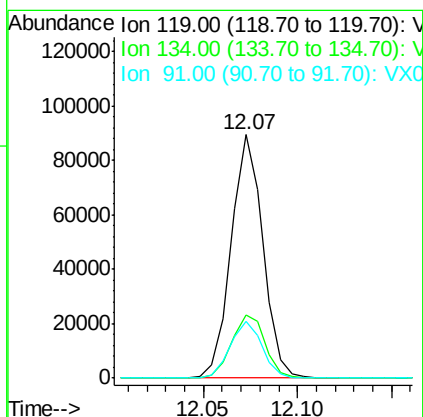
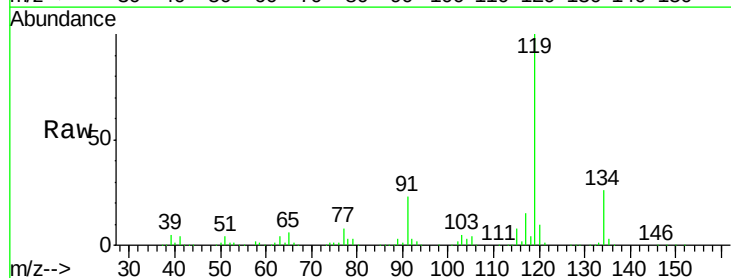
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

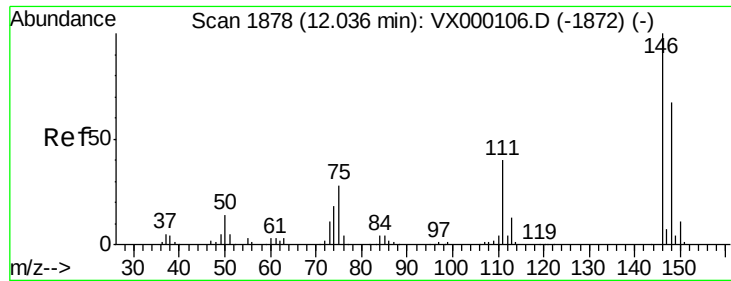
Tgt Ion:105 Resp: 116965
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 20.00 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion:119 Resp: 104569
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 54.4
 91 23.3 0.0 46.6

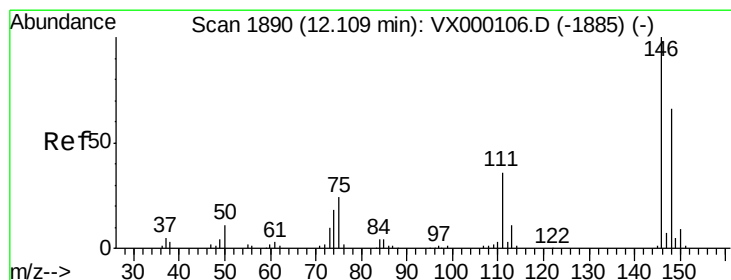
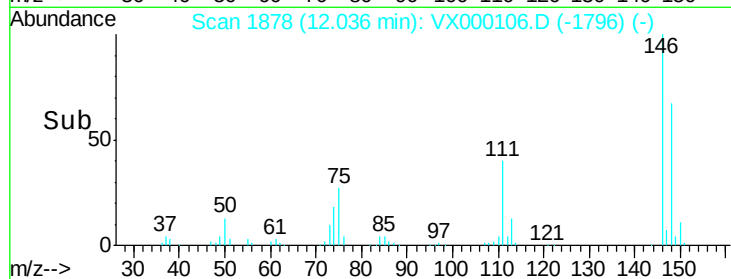
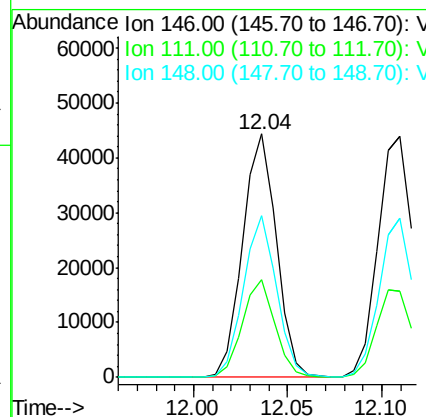
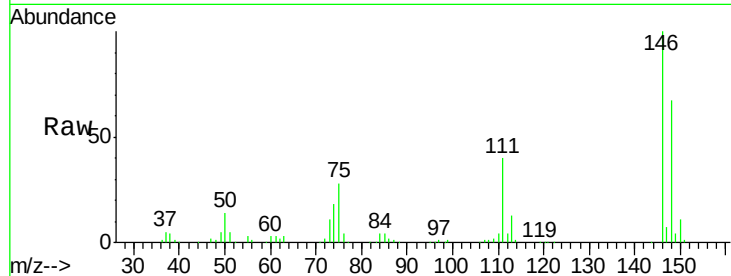




#83
 1,3-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

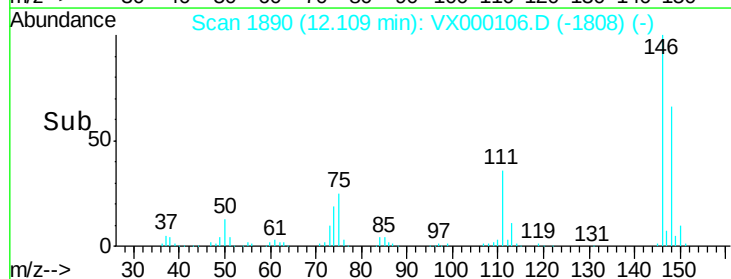
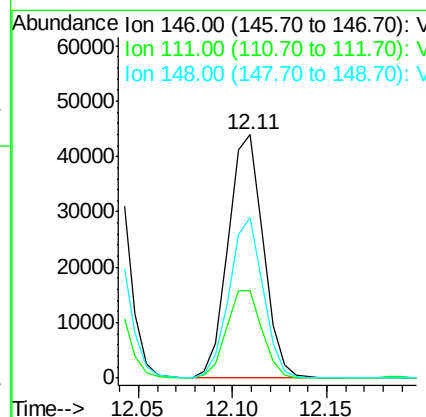
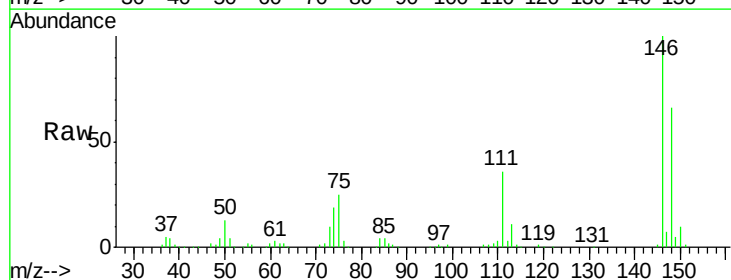
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

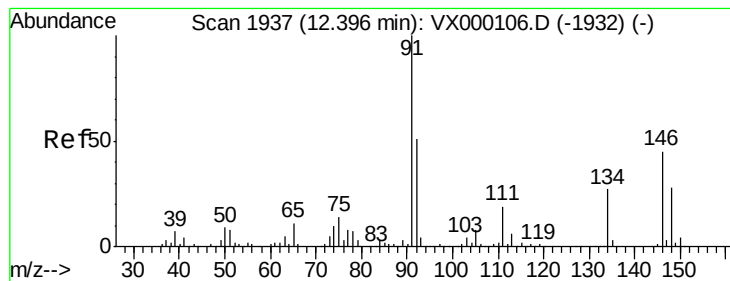
Tgt Ion:146 Resp: 55329
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.2
 148 65.1 32.6 97.7



#84
 1,4-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion:146 Resp: 56963
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.4 55.0
 148 63.8 31.9 95.7





#85

n-Butylbenzene

Concen: 20.00 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000106.D

Acq: 20 Feb 2018 13:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

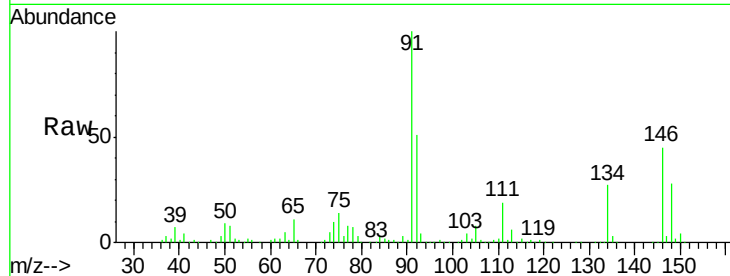
Tgt Ion: 91 Resp: 97767

Ion Ratio Lower Upper

91 100

92 51.0 0.0 102.0

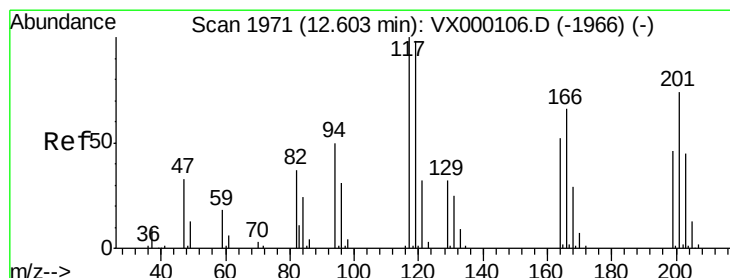
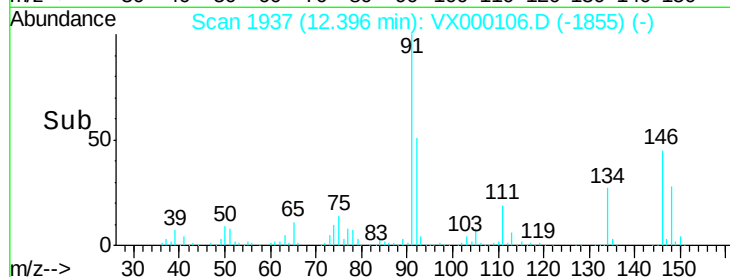
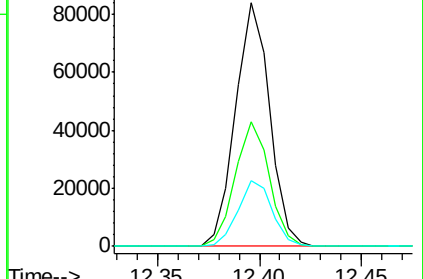
134 27.1 0.0 54.2



Abundance Ion 91.00 (90.70 to 91.70): VX000106.D (-1932) (-)

Ion 92.00 (91.70 to 92.70): VX000106.D (-1932) (-)

Ion 134.00 (133.70 to 134.70): VX000106.D (-1932) (-)



#86

Hexachloroethane

Concen: 20.00 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000106.D

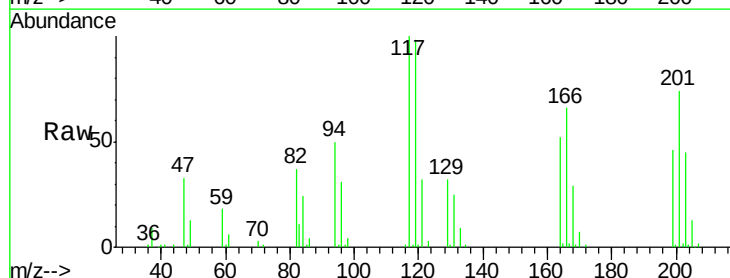
Acq: 20 Feb 2018 13:52

Tgt Ion: 117 Resp: 17127

Ion Ratio Lower Upper

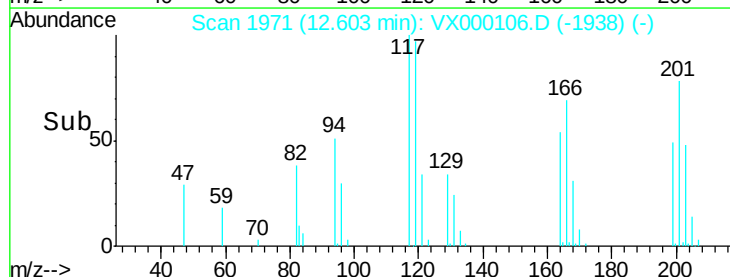
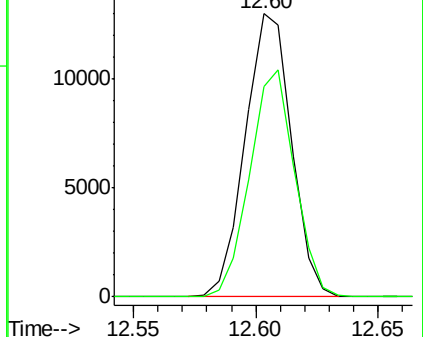
117 100

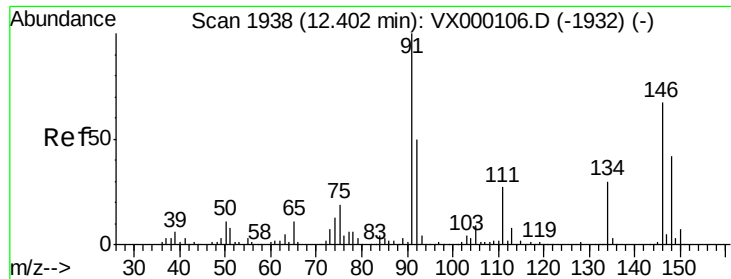
201 77.7 38.9 116.6



Abundance Ion 117.00 (116.70 to 117.70): VX000106.D (-1966) (-)

Ion 201.00 (200.70 to 201.70): VX000106.D (-1966) (-)

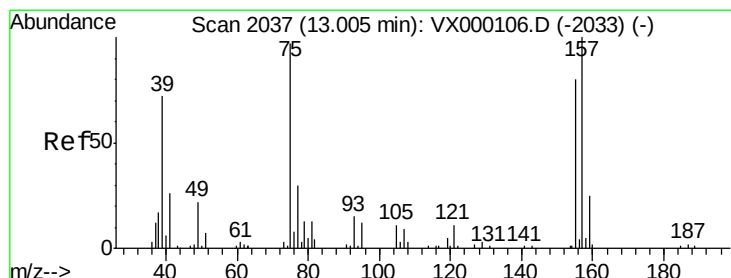
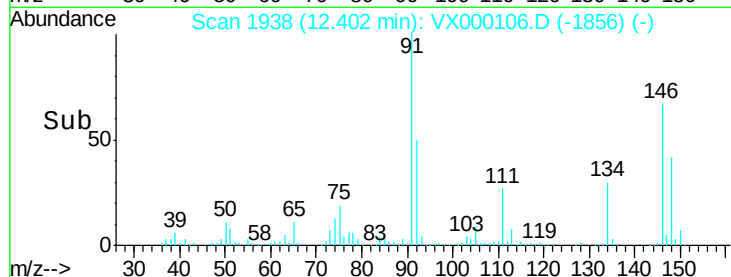
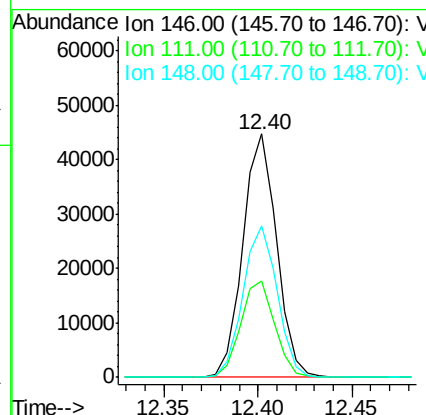
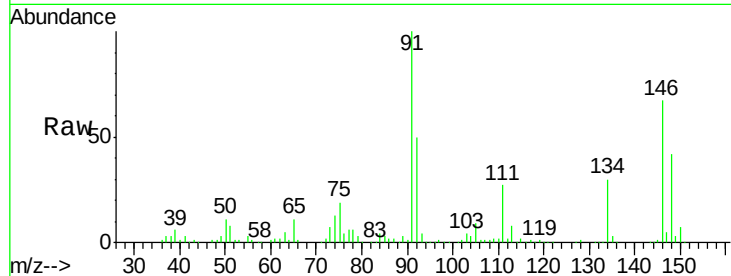




#87
 1,2-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

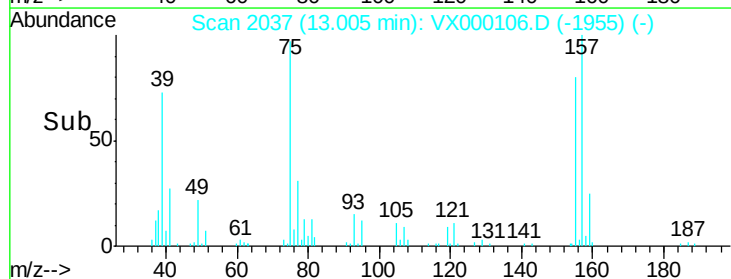
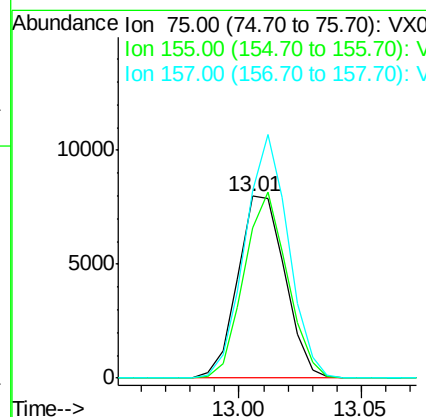
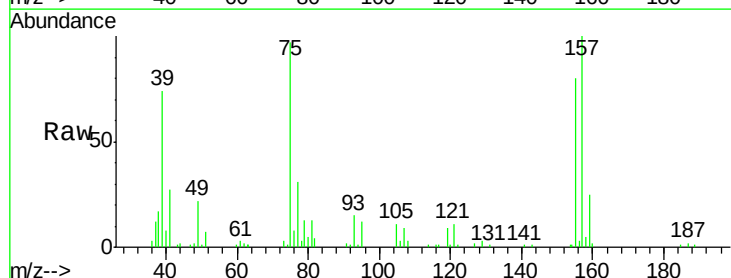
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

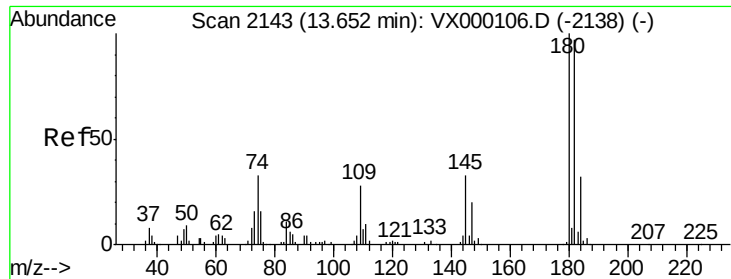
Tgt Ion: 146 Resp: 55515
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 63.3 31.6 95.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.00 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion: 75 Resp: 10680
 Ion Ratio Lower Upper
 75 100
 155 93.9 75.1 112.7
 157 123.7 99.0 148.4

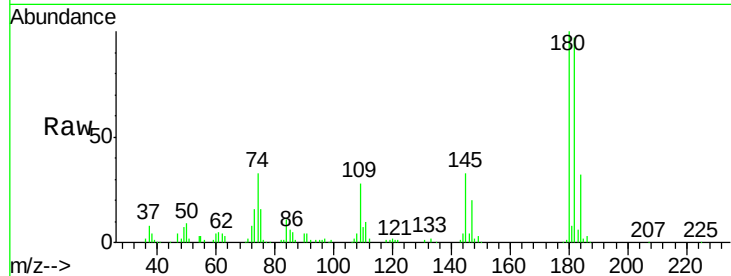




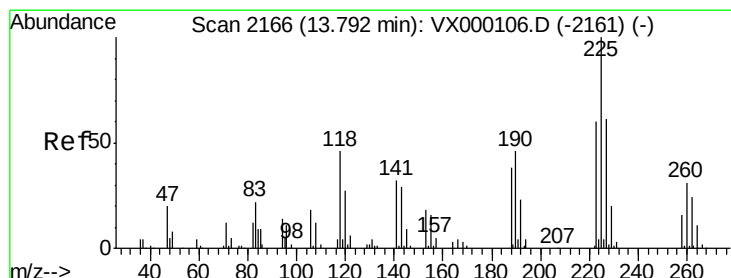
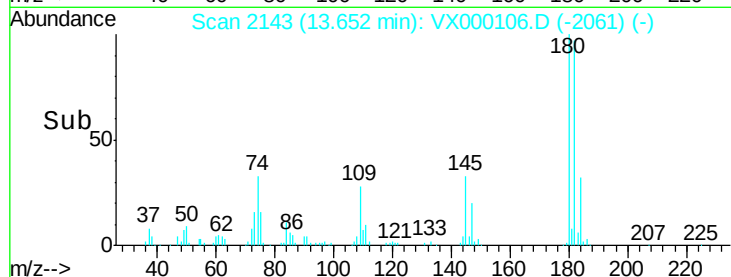
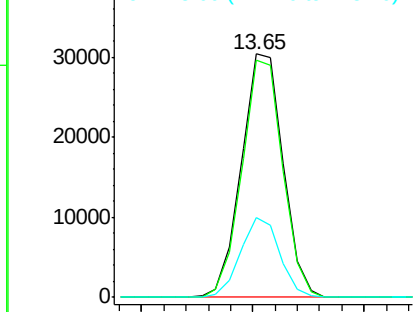
#89
 1,2,4-Trichlorobenzene
 Concen: 20.00 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tgt Ion:180 Resp: 39750
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 145 30.8 24.6 37.0

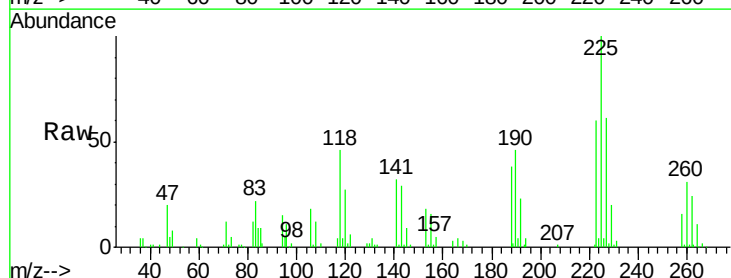


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

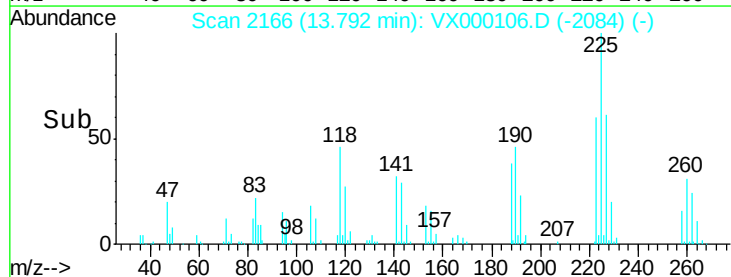
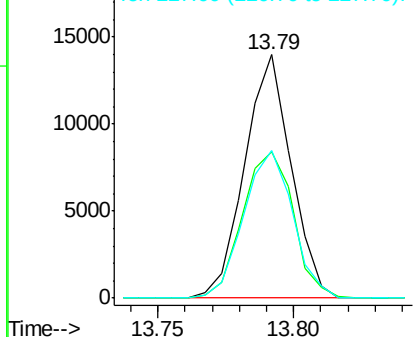


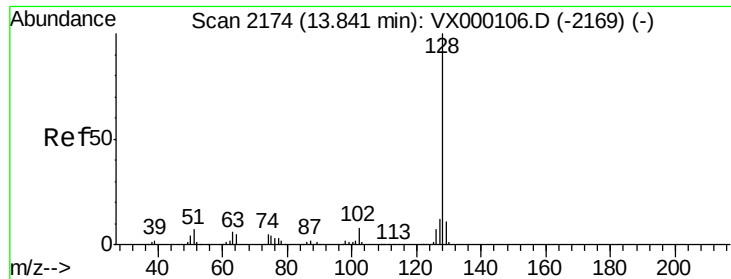
#90
 Hexachlorobutadiene
 Concen: 20.00 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000106.D
 Acq: 20 Feb 2018 13:52

Tgt Ion:225 Resp: 16555
 Ion Ratio Lower Upper
 225 100
 223 65.6 0.0 131.2
 227 63.8 0.0 127.6



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

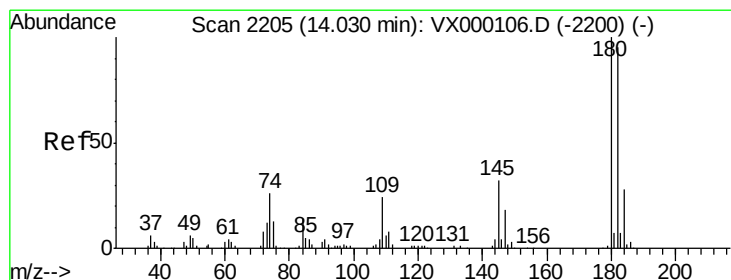
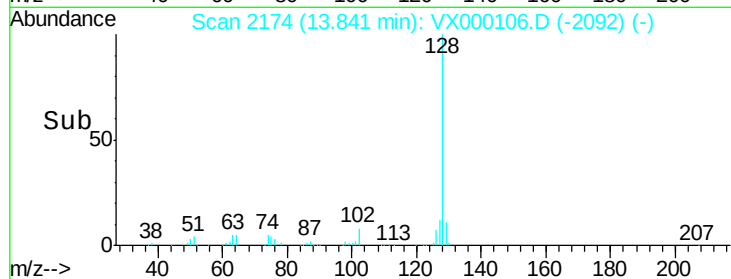
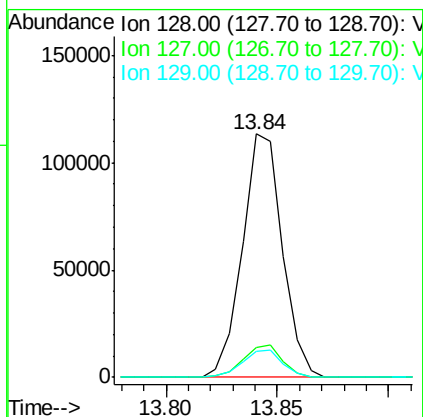
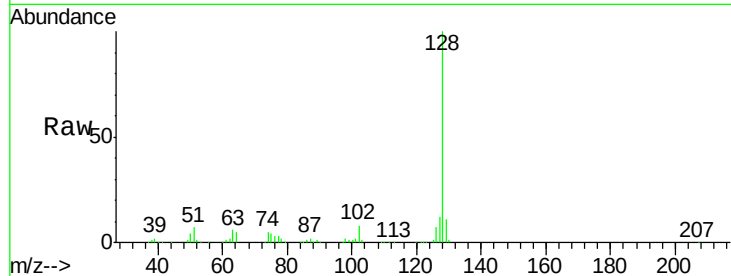




#91
Naphthalene
Concen: 20.00 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tgt Ion:128 Resp: 142517
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.3 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 20.00 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000106.D
Acq: 20 Feb 2018 13:52

Tgt Ion:180 Resp: 40472
Ion Ratio Lower Upper
180 100
182 94.3 0.0 188.6
145 32.9 0.0 65.8

