

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041718\
 Data File : VX000973.D
 Acq On : 17 Apr 2018 18:58
 Operator : JC/MD
 Sample : VX0417WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 03:59:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	353273	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	224464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	146749	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
35) Dibromofluoromethane	5.51	113	117881	43.31	ug/l	0.00
Spiked Amount			Recovery	=	86.62%	
50) Toluene-d8	8.72	98	436514	43.07	ug/l	0.00
Spiked Amount			Recovery	=	86.14%	
62) 4-Bromofluorobenzene	11.14	95	178152	42.49	ug/l	0.00
Spiked Amount			Recovery	=	84.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	49138	17.111	ug/l	99
3) Chloromethane	1.32	50	45620	18.528	ug/l	99
4) Vinyl Chloride	1.41	62	49875	18.009	ug/l	97
5) Bromomethane	1.65	94	34644	29.660	ug/l	98
6) Chloroethane	1.73	64	32484	19.352	ug/l	100
7) Trichlorofluoromethane	1.93	101	77901	18.644	ug/l	97
8) Diethyl Ether	2.19	74	30581	19.592	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46211	18.756	ug/l	99
10) Methyl Iodide	2.52	142	32058	22.197	ug/l	99
11) Tert butyl alcohol	3.07	59	45980	80.737	ug/l	99
12) 1,1-Dichloroethene	2.38	96	42759	18.313	ug/l	98
13) Acrolein	2.29	56	10790	39.015	ug/l	94
14) Allyl chloride	2.73	41	78306	18.137	ug/l	98
15) Acrylonitrile	3.15	53	121367	99.958	ug/l	99
16) Acetone	2.45	43	115307	104.241	ug/l	98
17) Carbon Disulfide	2.57	76	97987	13.859	ug/l	100
18) Methyl Acetate	2.78	43	63290	22.110	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	156154	20.079	ug/l	99
20) Methylene Chloride	2.86	84	49135	19.098	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	45883	17.820	ug/l	98
22) Diisopropyl ether	3.88	45	162728	20.509	ug/l	99
23) Vinyl Acetate	3.83	43	676806	97.155	ug/l	99
24) 1,1-Dichloroethane	3.70	63	88866	19.960	ug/l	98
25) 2-Butanone	4.71	43	177246	97.032	ug/l	99
26) 2,2-Dichloropropane	4.59	77	74149	16.779	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	55677	19.055	ug/l	99
28) Bromochloromethane	5.03	49	32310	18.022	ug/l	96
29) Tetrahydrofuran	5.17	42	108417	93.476	ug/l	99
30) Chloroform	5.22	83	92035	19.525	ug/l	96
31) Cyclohexane	5.59	56	73952	17.491	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	81027	18.043	ug/l	98
36) 1,1-Dichloropropene	5.81	75	68305	17.556	ug/l	98
37) Ethyl Acetate	4.87	43	67198	17.692	ug/l	99
38) Carbon Tetrachloride	5.79	117	68496	15.729	ug/l	100

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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 03:59:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	74658	15.979	ug/l	98
40) Benzene	6.15	78	198885	18.398	ug/l	99
41) Methacrylonitrile	5.07	41	40552	18.481	ug/l	99
42) 1,2-Dichloroethane	6.21	62	77018	19.076	ug/l	98
43) Isopropyl Acetate	6.47	43	116218	17.847	ug/l	100
44) Trichloroethene	7.22	130	60168	17.896	ug/l	98
45) 1,2-Dichloropropane	7.52	63	52326	19.008	ug/l	98
46) Dibromomethane	7.67	93	35436	18.463	ug/l	99
47) Bromodichloromethane	7.91	83	65371	16.876	ug/l	97
48) Methyl methacrylate	7.79	41	60576	17.947	ug/l	100
49) 1,4-Dioxane	7.76	88	18953	279.412	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	359944	94.101	ug/l	98
52) Toluene	8.79	92	129382	18.040	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	79742	17.163	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	74383	16.441	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	53156	18.670	ug/l	98
56) Ethyl methacrylate	9.19	69	79346	18.065	ug/l	99
57) 1,3-Dichloropropane	9.38	76	87690	19.372	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	186669	90.965	ug/l	99
59) 2-Hexanone	9.50	43	271629	91.984	ug/l	99
60) Dibromochloromethane	9.59	129	55713	16.354	ug/l	99
61) 1,2-Dibromoethane	9.68	107	54838	18.155	ug/l	99
64) Tetrachloroethene	9.34	164	60163	18.481	ug/l	98
65) Chlorobenzene	10.15	112	156337	18.667	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	53965	17.119	ug/l	98
67) Ethyl Benzene	10.26	91	256679	18.382	ug/l	98
68) m/p-Xylenes	10.37	106	200886	36.449	ug/l	99
69) o-Xylene	10.71	106	96982	18.257	ug/l	98
70) Styrene	10.72	104	163120	18.215	ug/l	100
71) Bromoform	10.87	173	42647	14.611	ug/l #	99
73) Isopropylbenzene	11.02	105	265722	18.660	ug/l	99
74) N-amyl acetate	6.47	43	116218	18.123	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	78553	19.008	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	85610	22.115	ug/l	87
77) Bromobenzene	11.26	156	76810	18.406	ug/l	99
78) n-propylbenzene	11.37	91	301223	18.493	ug/l	99
79) 2-Chlorotoluene	11.43	91	179281	18.624	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	223655	18.263	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18290	12.997	ug/l #	85
82) 4-Chlorotoluene	11.52	91	214792	18.485	ug/l	99
83) tert-Butylbenzene	11.77	119	228223	18.216	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	231384	18.302	ug/l	99
85) sec-Butylbenzene	11.95	105	266803	18.051	ug/l	100
86) p-Isopropyltoluene	12.07	119	246089	17.854	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	143822	18.620	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	145921	18.434	ug/l	99
89) n-Butylbenzene	12.40	91	215258	17.694	ug/l	99
90) Hexachloroethane	12.60	117	33669	14.436	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	141666	18.998	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15392	14.865	ug/l	97

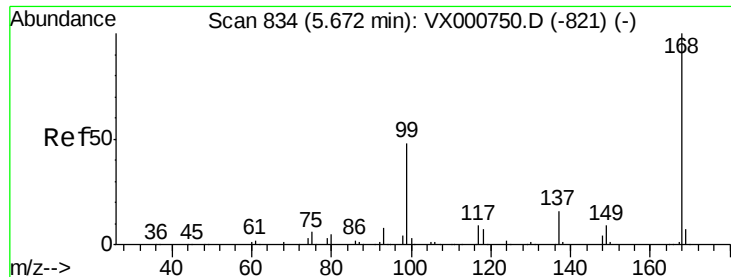
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041718\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	113425	17.826	ug/l	99
94) Hexachlorobutadiene	13.79	225	48327	15.446	ug/l	99
95) Naphthalene	13.84	128	296129	18.131	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110238	17.837	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

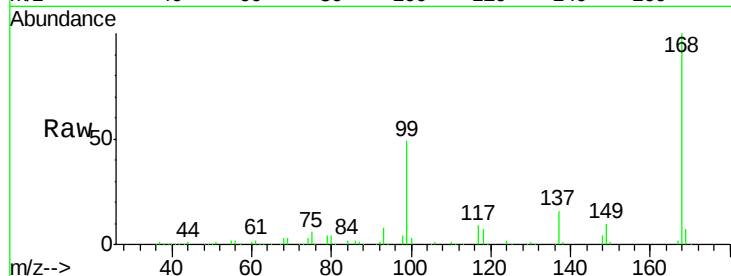
ClientSampleId :

Tot Ion:168 Resp: 254397

Ion Ratio Lower Upper

168 100

99 48.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

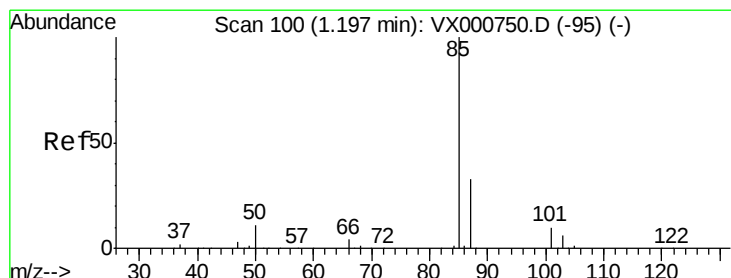
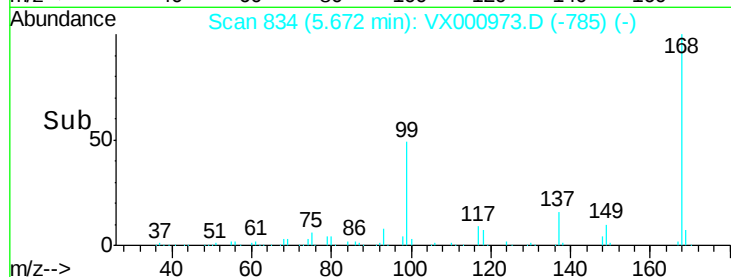
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.111 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000973.D

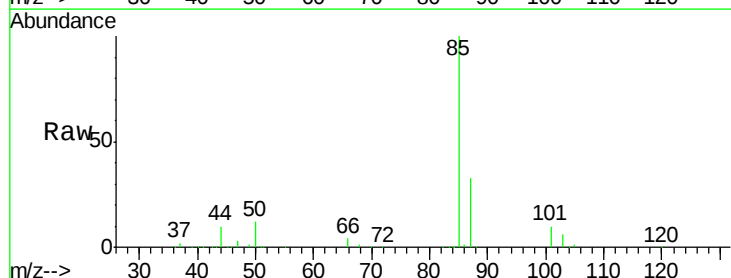
Acq: 17 Apr 2018 18:58

Tgt Ion: 85 Resp: 49138

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

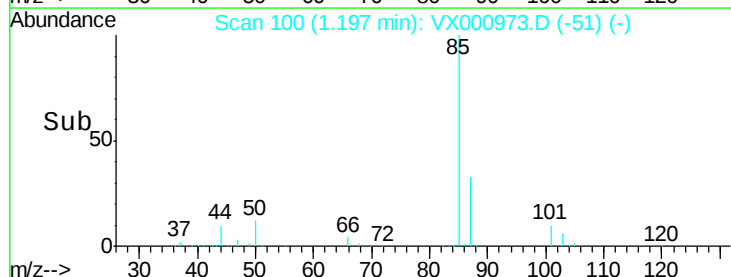
20000

10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.528 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

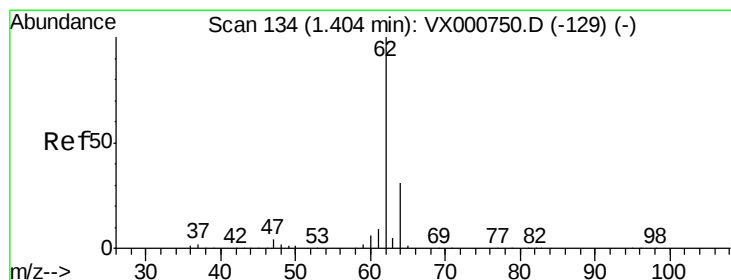
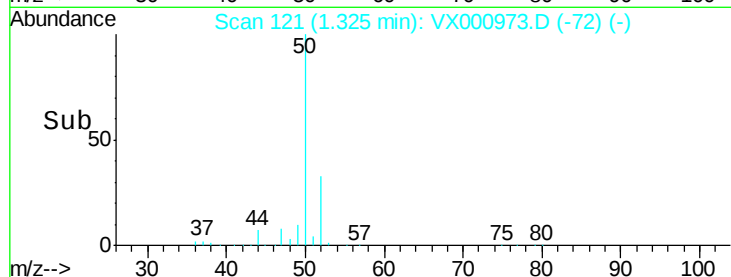
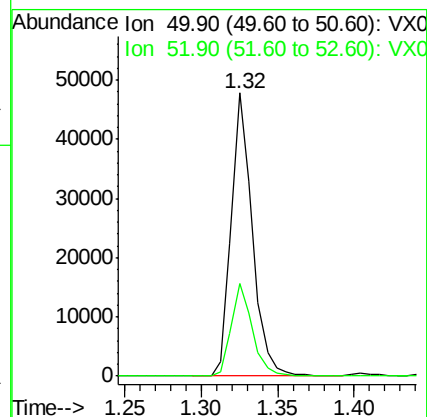
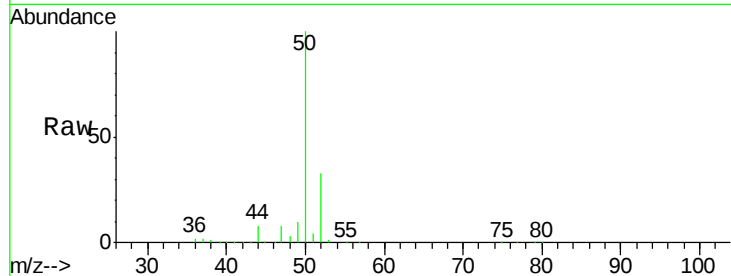
ClientSampled :

Tot Ion: 50 Resp: 45620

Ion Ratio Lower Upper

50 100

52 32.6 25.8 38.8



#4

Vinyl Chloride

Concen: 18.009 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX000973.D

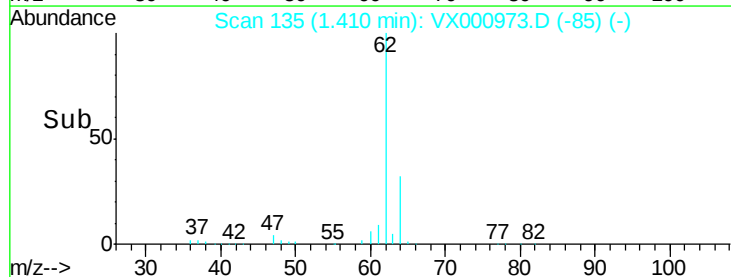
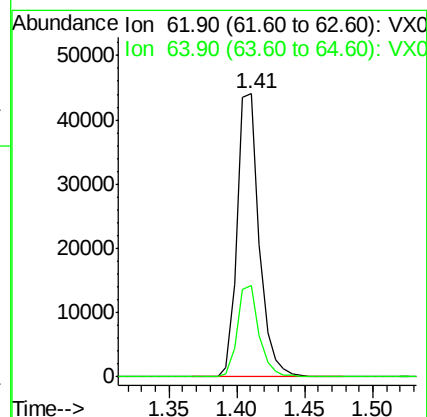
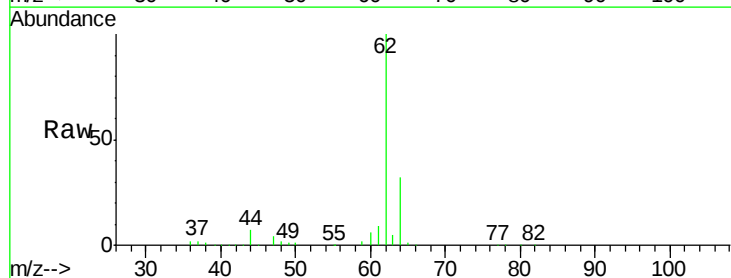
Acq: 17 Apr 2018 18:58

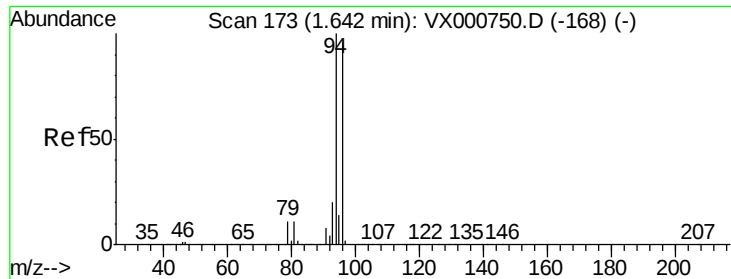
Tgt Ion: 62 Resp: 49875

Ion Ratio Lower Upper

62 100

64 32.4 24.6 36.8





#5

Bromomethane

Concen: 29.660 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

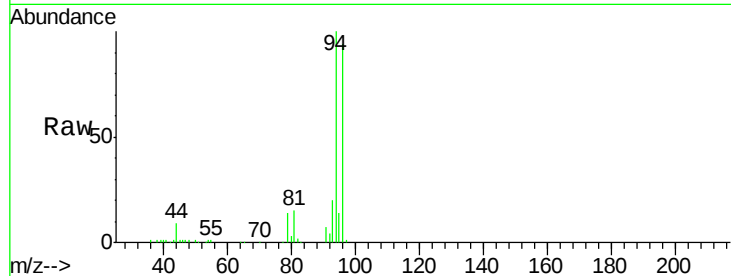
ClientSampleId :

Tot Ion: 94 Resp: 34644

Ion Ratio Lower Upper

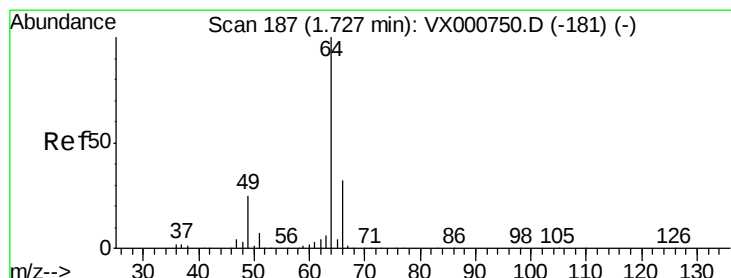
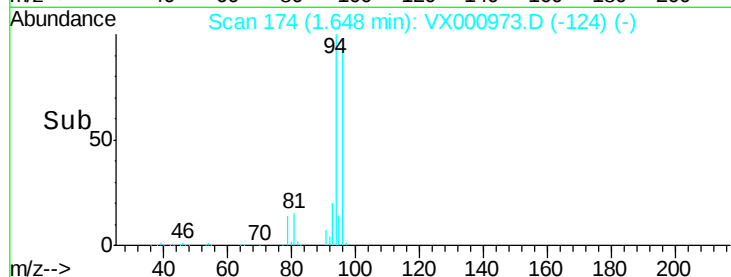
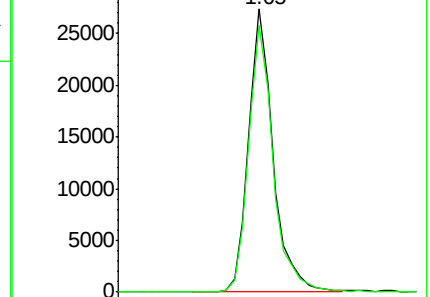
94 100

96 94.2 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.352 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000973.D

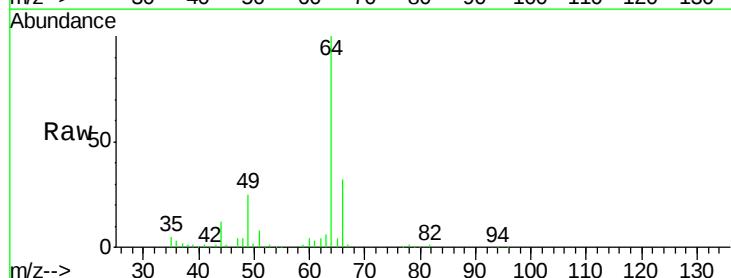
Acq: 17 Apr 2018 18:58

Tgt Ion: 64 Resp: 32484

Ion Ratio Lower Upper

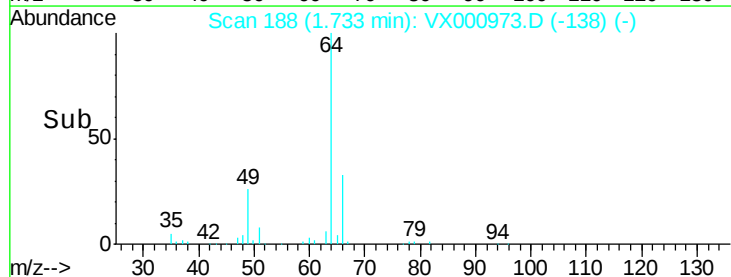
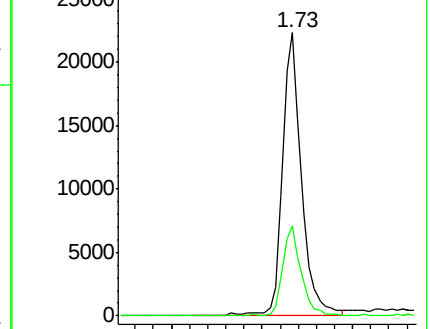
64 100

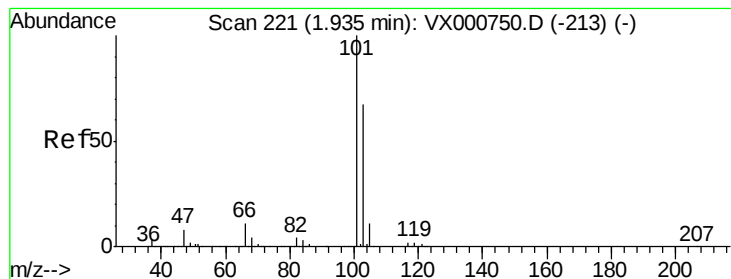
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



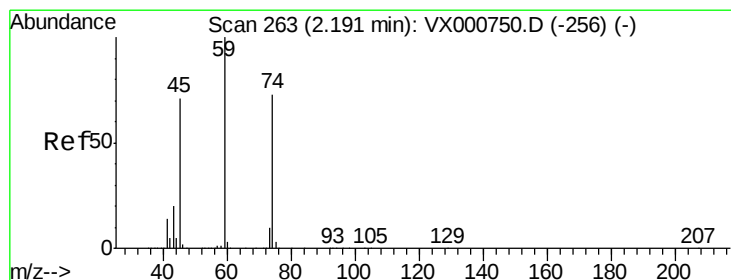
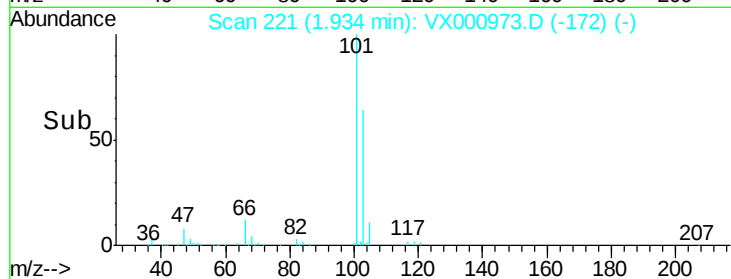
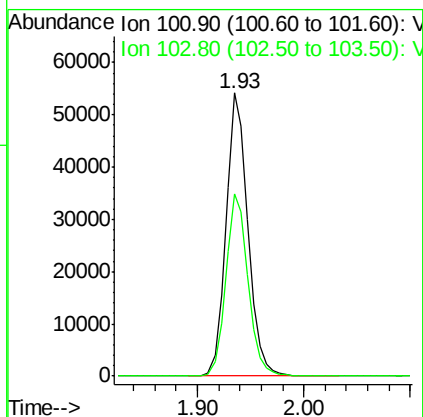
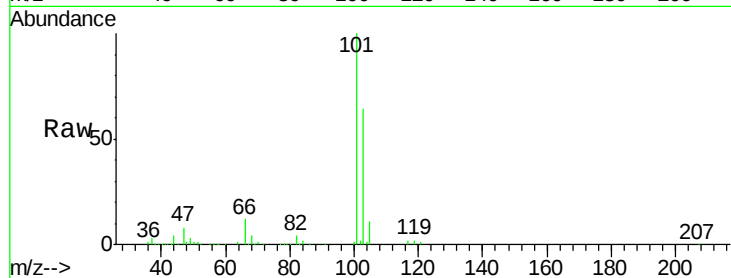


#7

Trichlorofluoromethane
 Concen: 18.644 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampled :

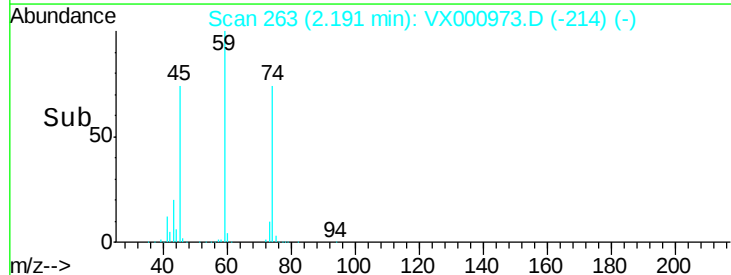
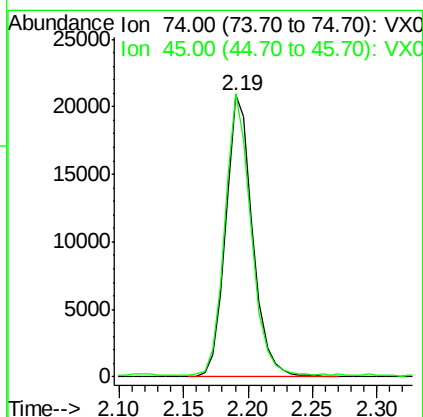
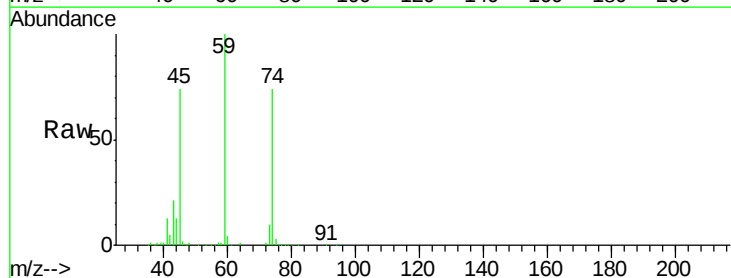
Tot Ion:101 Resp: 77901
 Ion Ratio Lower Upper
 101 100
 103 64.4 53.2 79.8

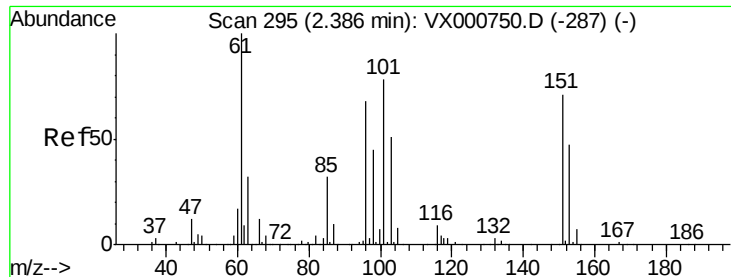


#8

Diethyl Ether
 Concen: 19.592 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Tgt Ion: 74 Resp: 30581
 Ion Ratio Lower Upper
 74 100
 45 97.6 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.756 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

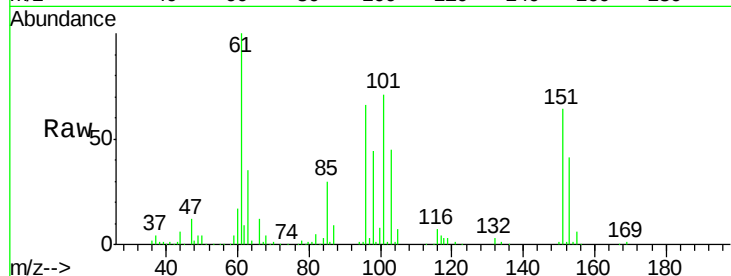
Tot Ion:101 Resp: 46211

Ion Ratio Lower Upper

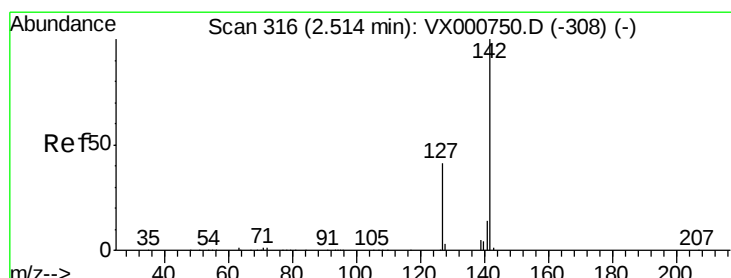
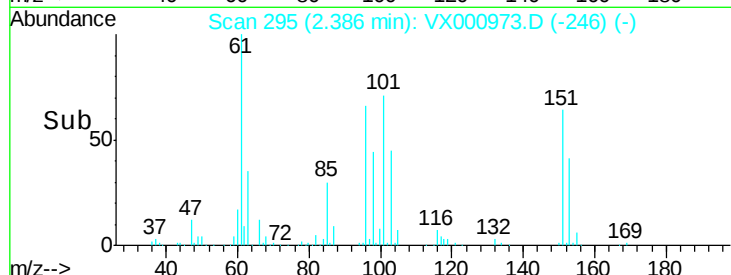
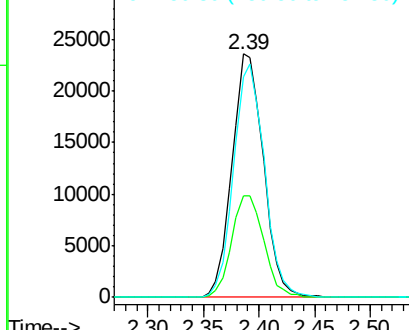
101 100

85 42.8 34.0 51.0

151 94.1 75.8 113.8



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.197 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

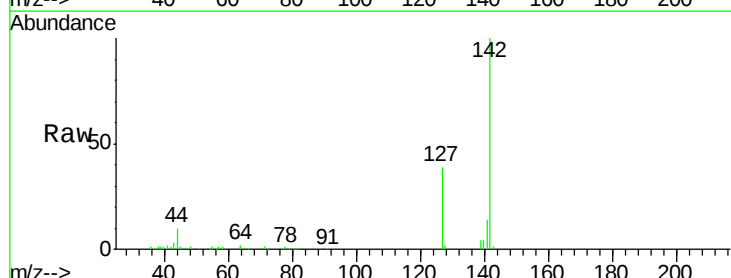
Tgt Ion:142 Resp: 32058

Ion Ratio Lower Upper

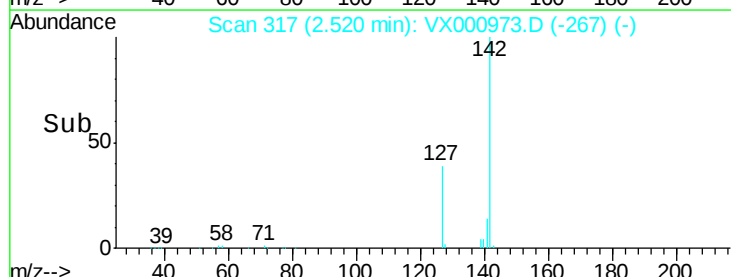
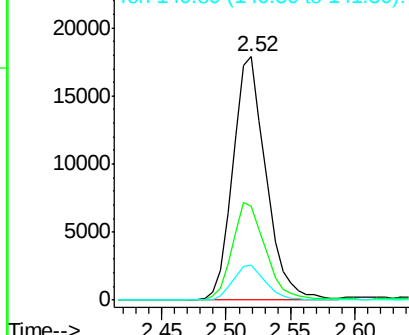
142 100

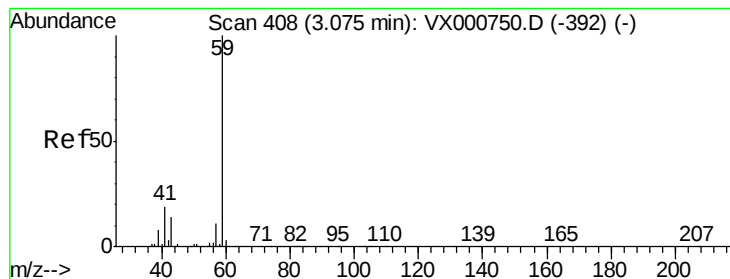
127 40.4 32.6 49.0

141 14.3 11.5 17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



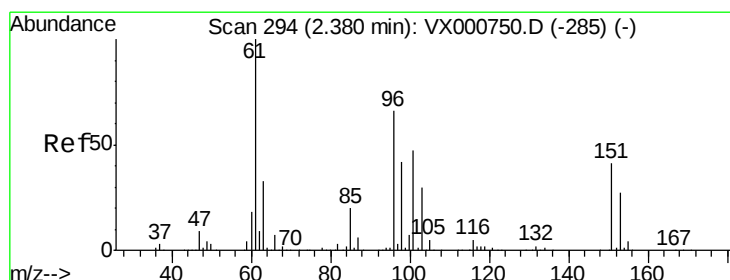
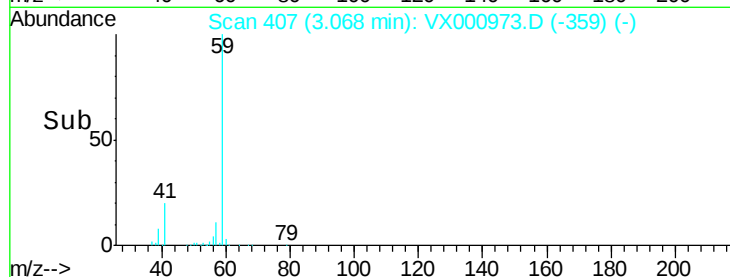
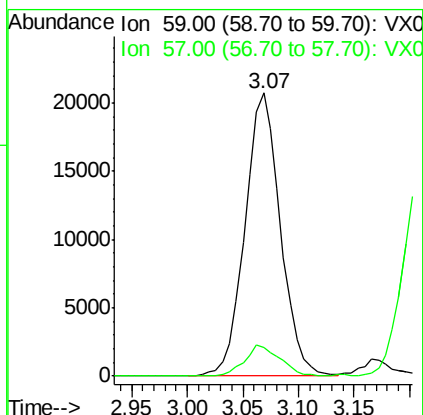
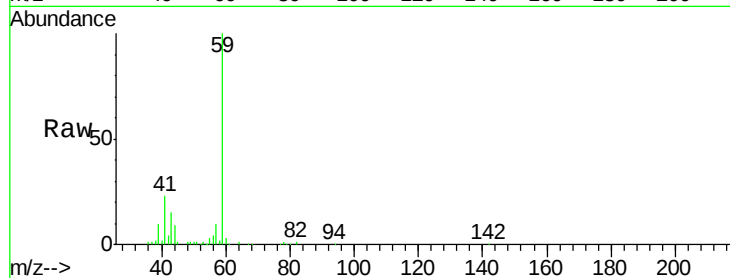


#11

Tert butyl alcohol
 Concen: 80.737 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :

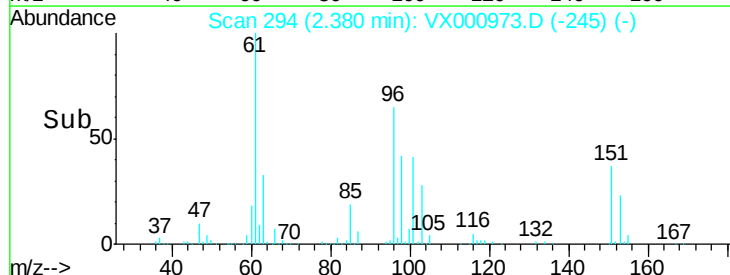
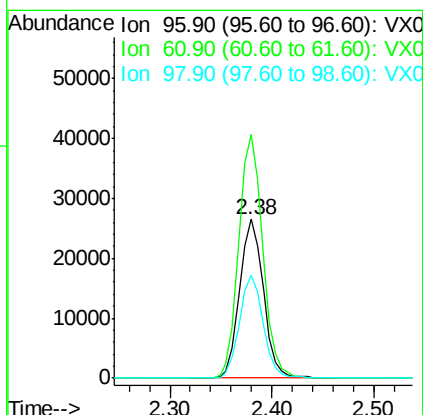
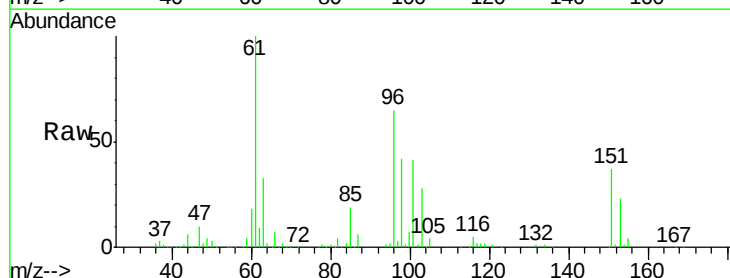
Tot Ion: 59 Resp: 45980
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.4 12.6

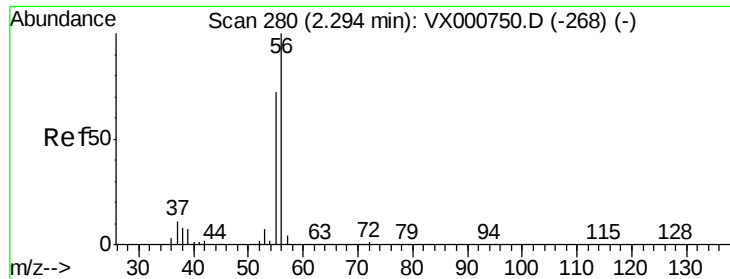


#12

1,1-Dichloroethene
 Concen: 18.313 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Tgt Ion: 96 Resp: 42759
 Ion Ratio Lower Upper
 96 100
 61 153.5 120.5 180.7
 98 64.8 50.9 76.3





#13

Acrolein

Concen: 39.015 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

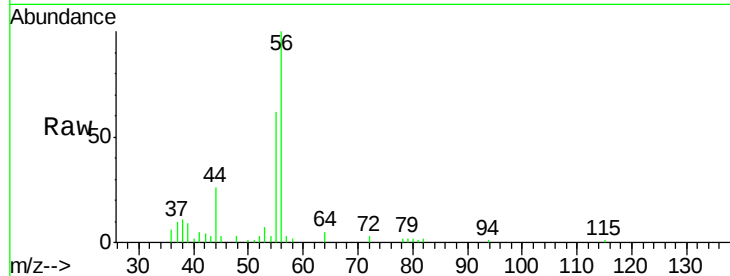
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 10790

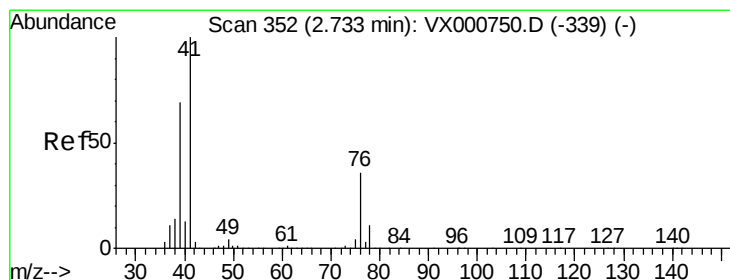
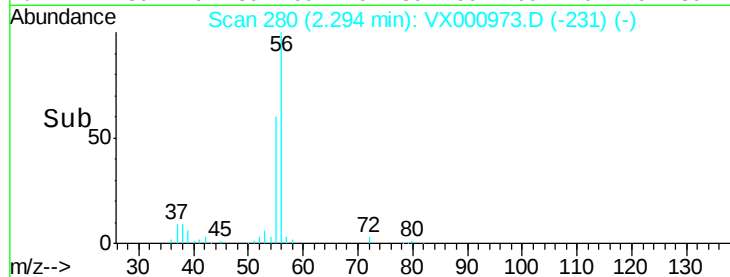
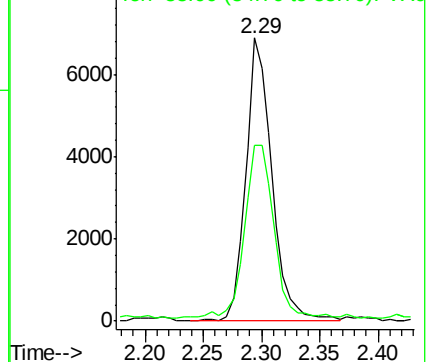
Ion Ratio Lower Upper

56 100

55 68.4 58.7 88.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.137 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

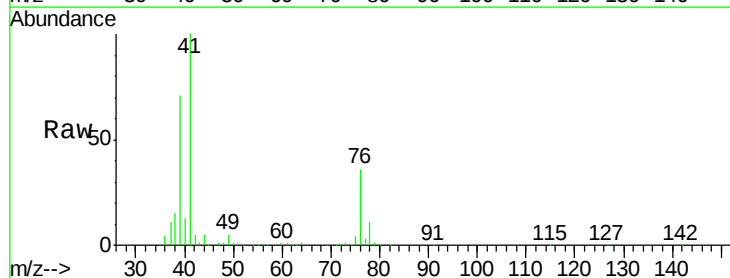
Tgt Ion: 41 Resp: 78306

Ion Ratio Lower Upper

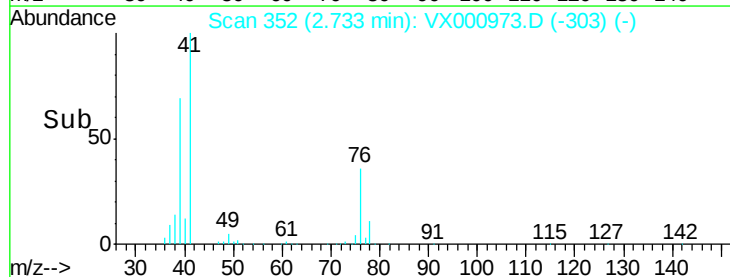
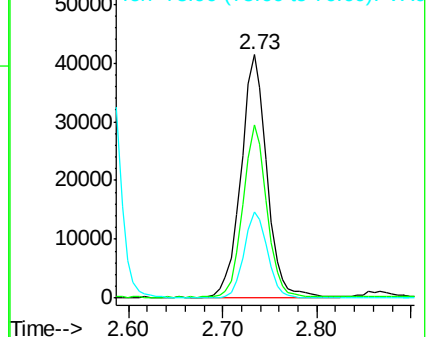
41 100

39 66.6 51.5 77.3

76 32.6 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 99.958 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

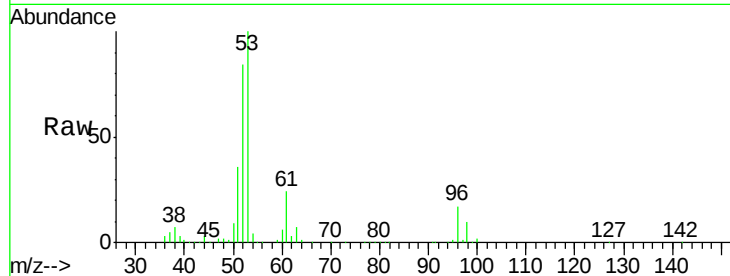
Tot Ion: 53 Resp: 121367

Ion Ratio Lower Upper

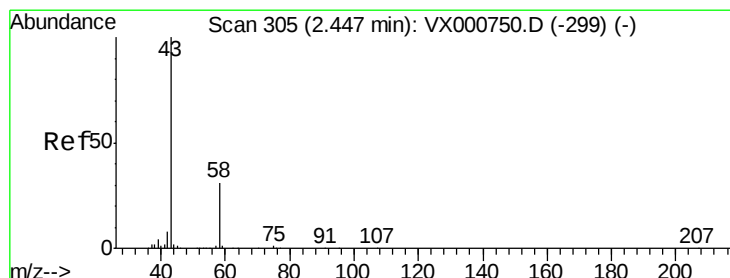
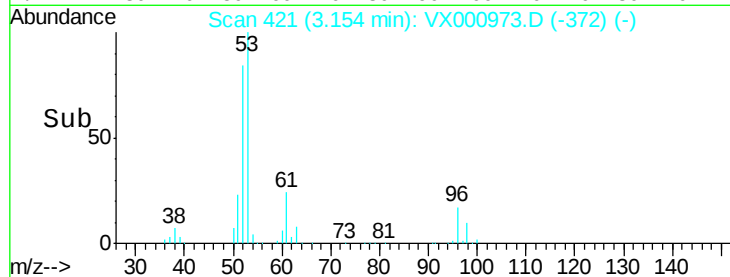
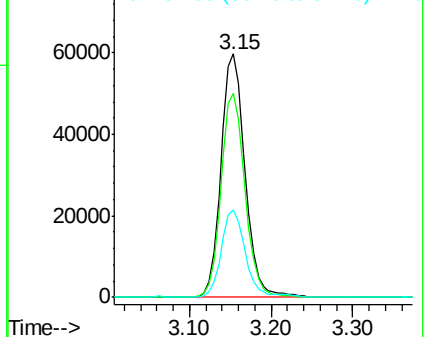
53 100

52 83.9 66.5 99.7

51 36.3 28.8 43.2



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



#16

Acetone

Concen: 104.241 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX000973.D

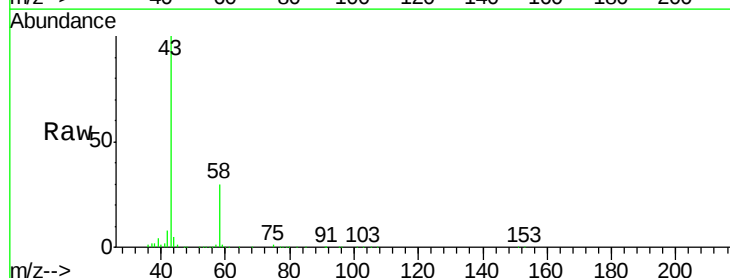
Acq: 17 Apr 2018 18:58

Tgt Ion: 43 Resp: 115307

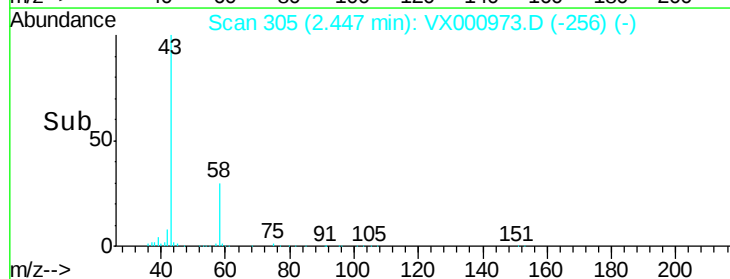
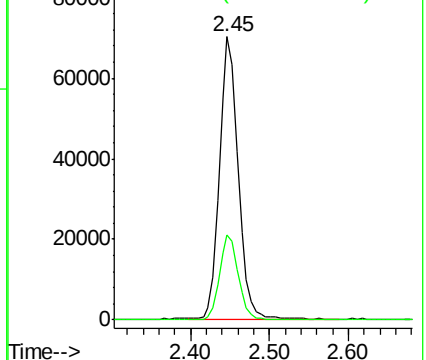
Ion Ratio Lower Upper

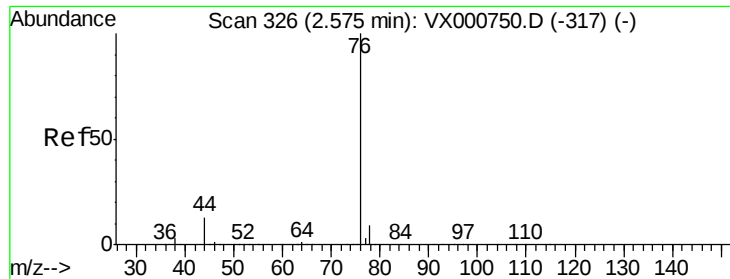
43 100

58 29.9 24.6 37.0



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

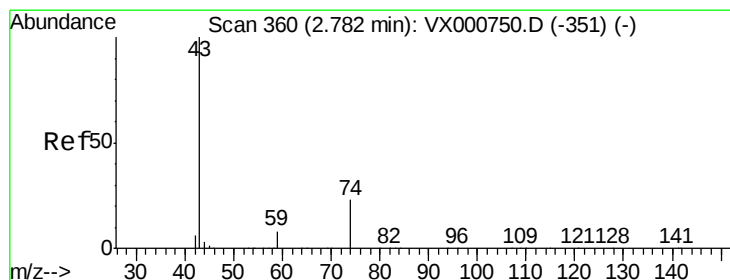
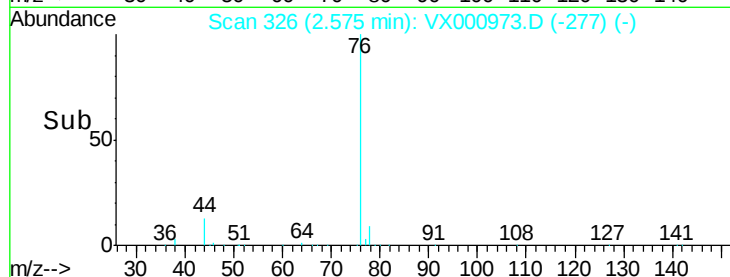
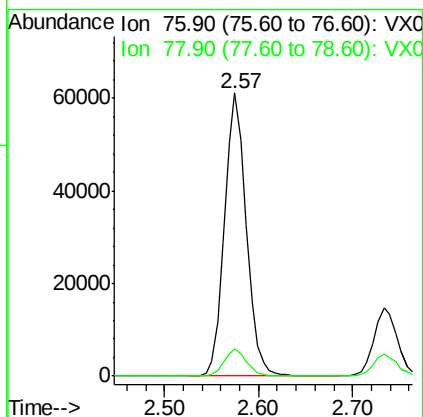
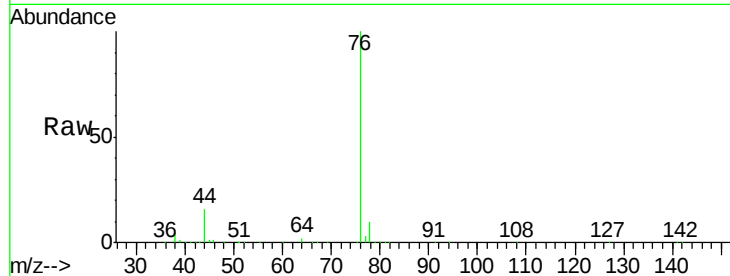




#17
Carbon Disulfide
Concen: 13.859 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

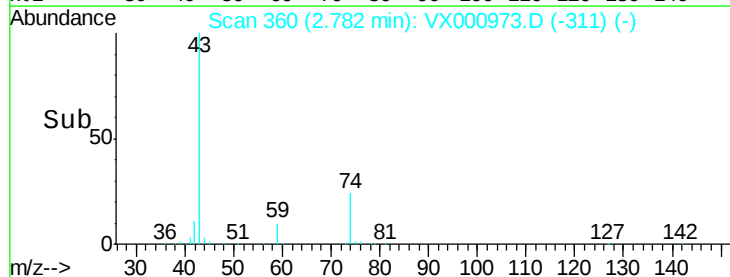
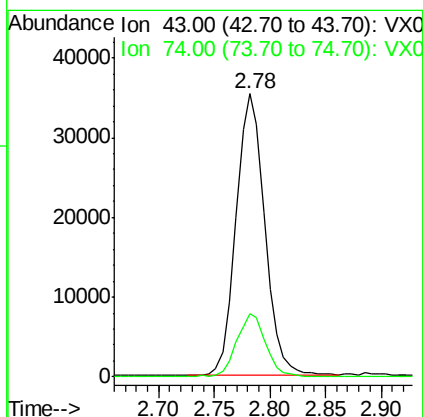
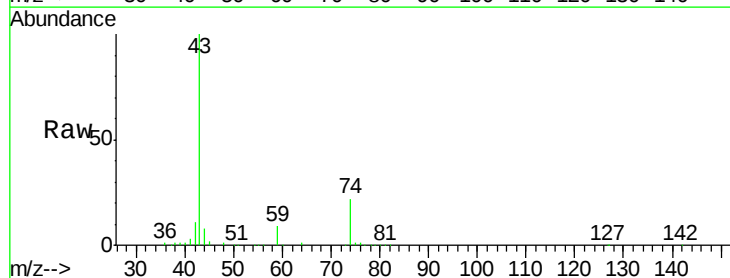
Instrument :
MSVOA_X
ClientSampled :

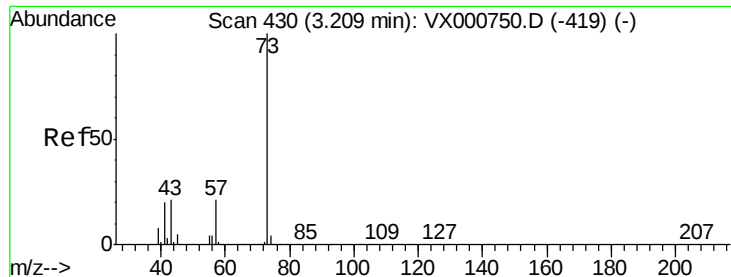
Tot Ion: 76 Resp: 97987
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 22.110 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion: 43 Resp: 63290
Ion Ratio Lower Upper
43 100
74 23.0 19.1 28.7

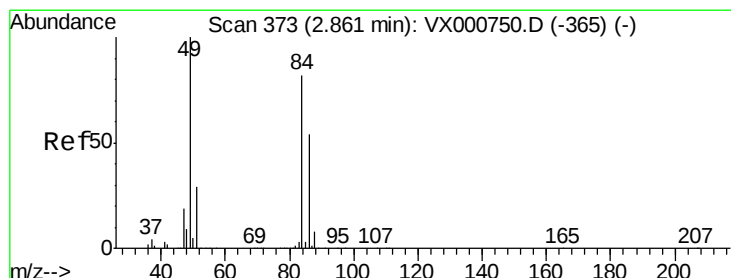
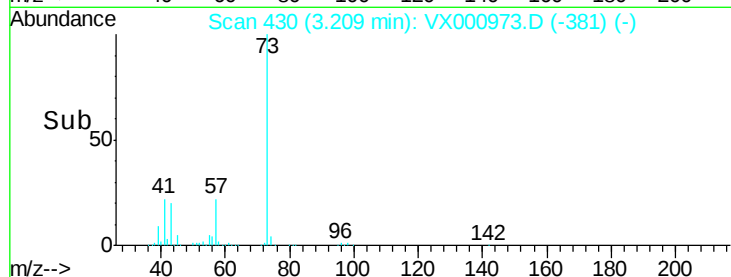
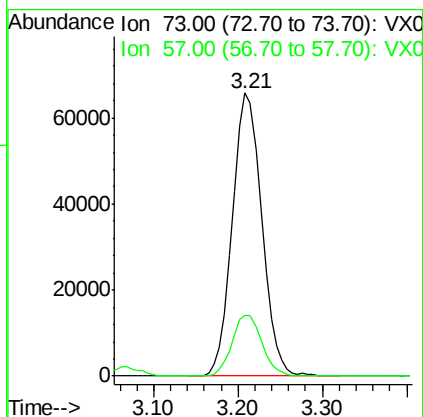
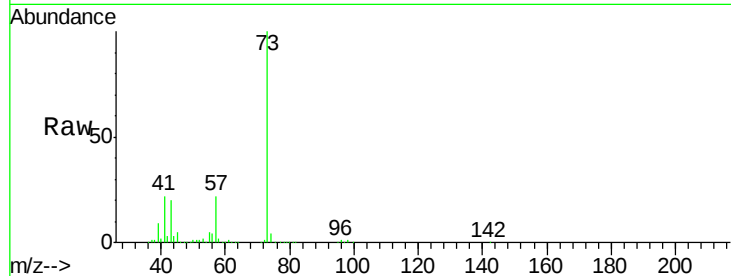




#19
Methvl tert-butvl Ether
Concen: 20.079 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

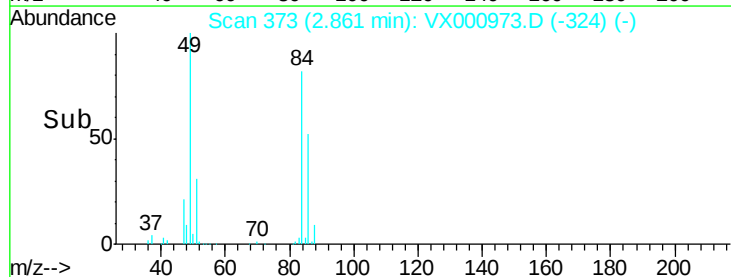
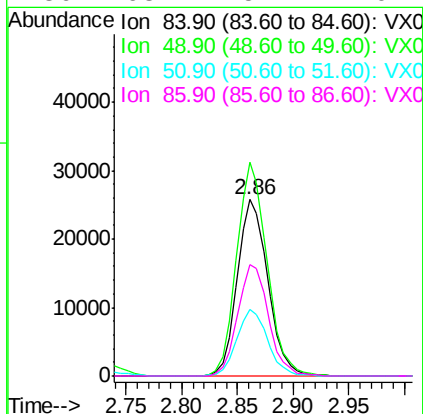
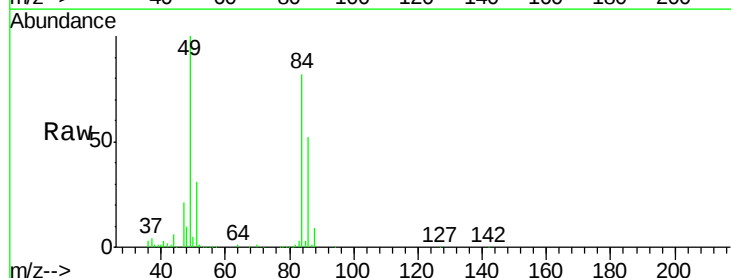
Instrument :
MSVOA_X
ClientSampleId :

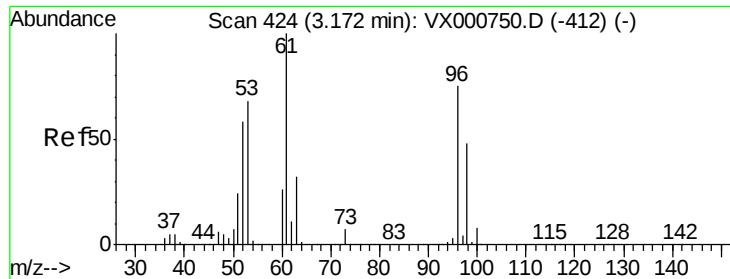
Tot Ion: 73 Resp: 156154
Ion Ratio Lower Upper
73 100
57 21.4 16.9 25.3



#20
Methylene Chloride
Concen: 19.098 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion: 84 Resp: 49135
Ion Ratio Lower Upper
84 100
49 121.3 98.1 147.1
51 37.8 28.9 43.3
86 63.4 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 17.820 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

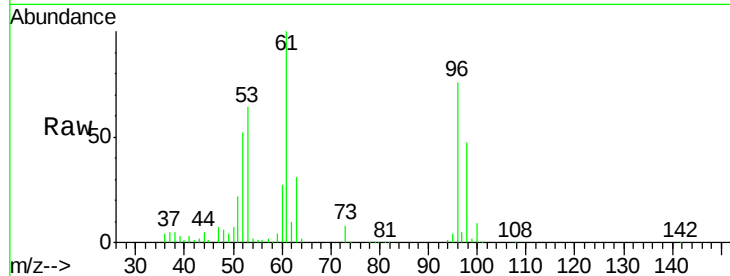
Tot Ion: 96 Resp: 45883

Ion Ratio Lower Upper

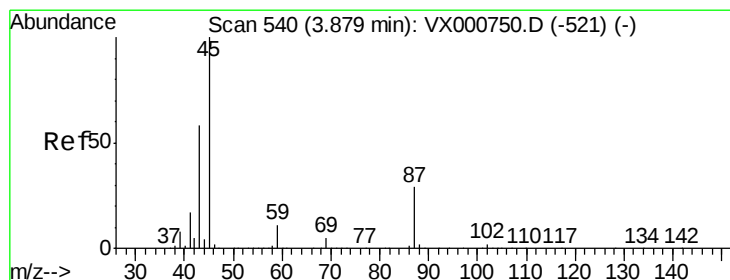
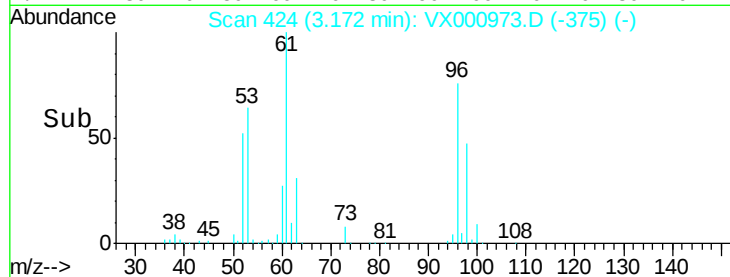
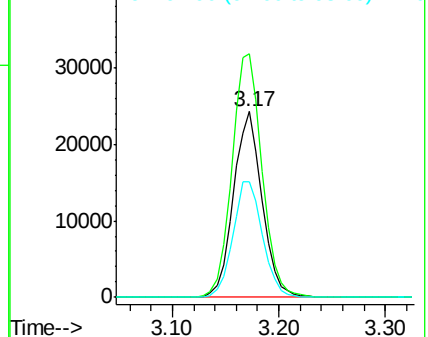
96 100

61 131.3 106.2 159.2

98 62.0 51.2 76.8



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



#22

Diisopropyl ether

Concen: 20.509 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Tgt Ion: 45 Resp: 162728

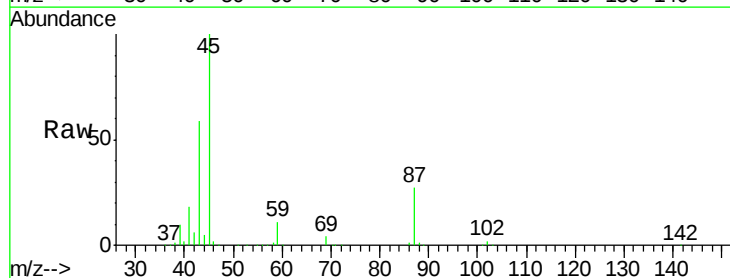
Ion Ratio Lower Upper

45 100

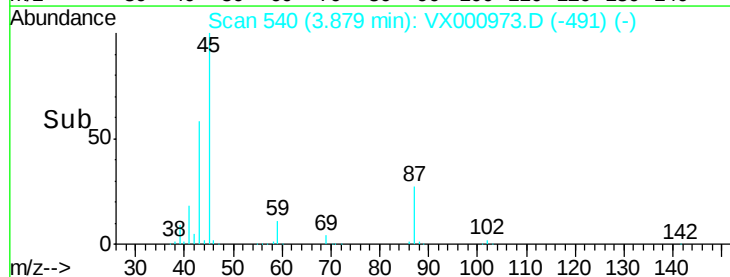
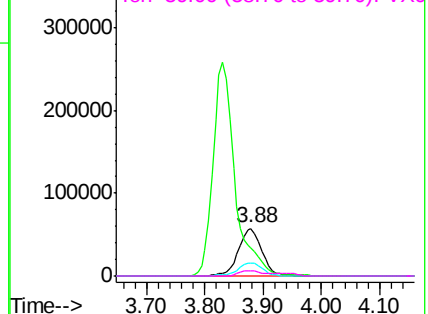
43 57.9 46.6 69.8

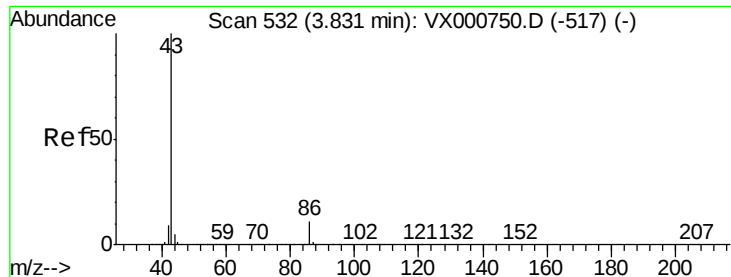
87 26.9 22.9 34.3

59 11.0 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 97.155 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

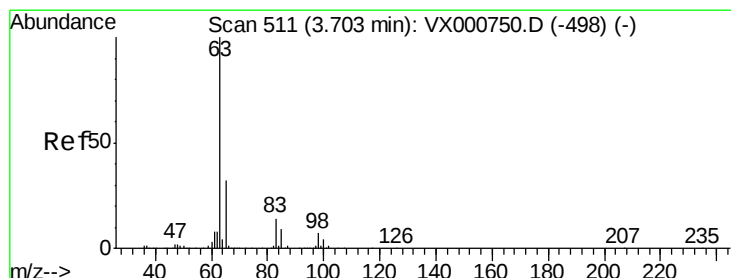
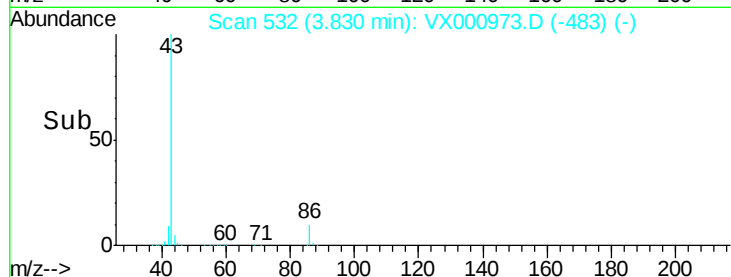
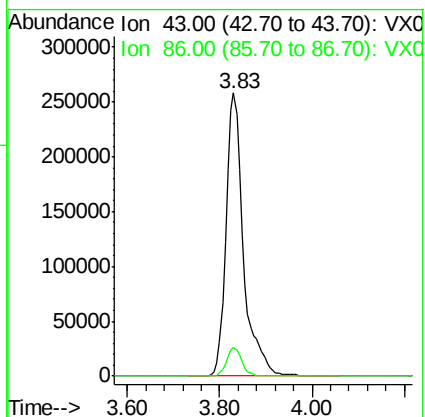
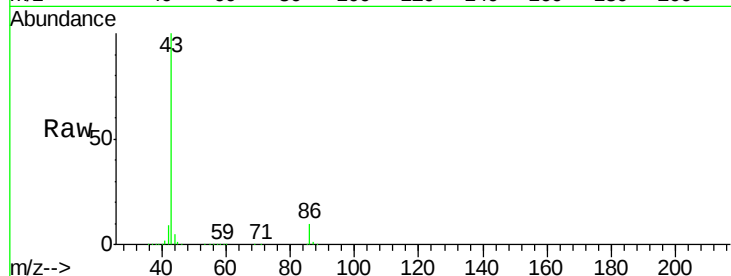
ClientSampled :

Tot Ion: 43 Resp: 676806

Ion Ratio Lower Upper

43 100

86 10.2 8.6 12.8



#24

1,1-Dichloroethane

Concen: 19.960 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

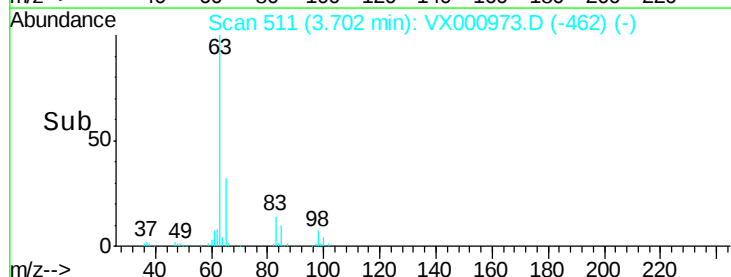
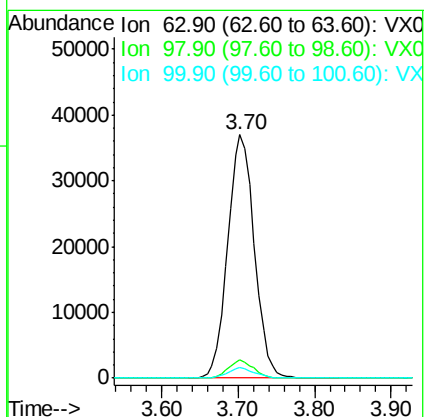
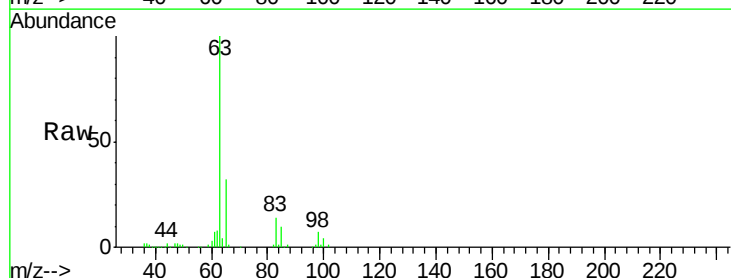
Tgt Ion: 63 Resp: 88866

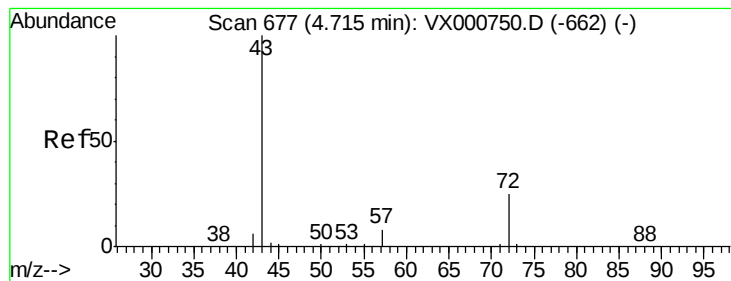
Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.9

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 97.032 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

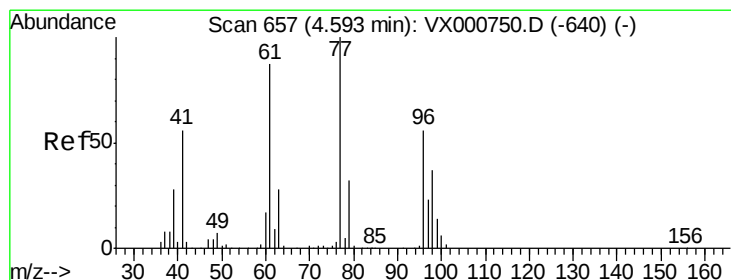
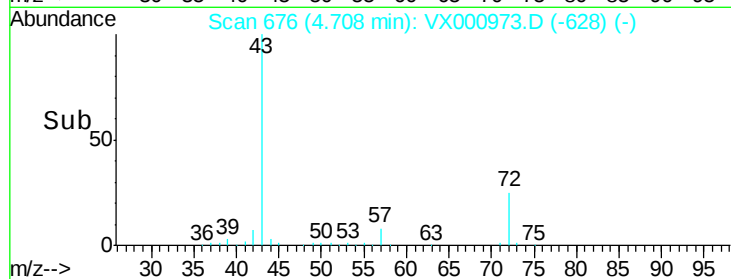
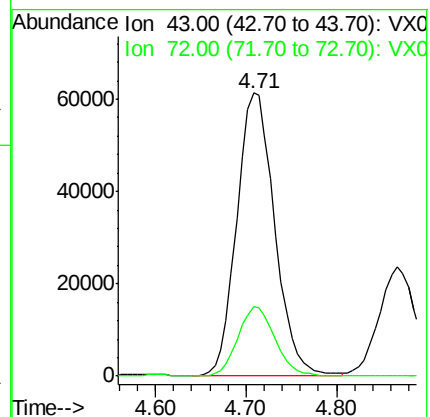
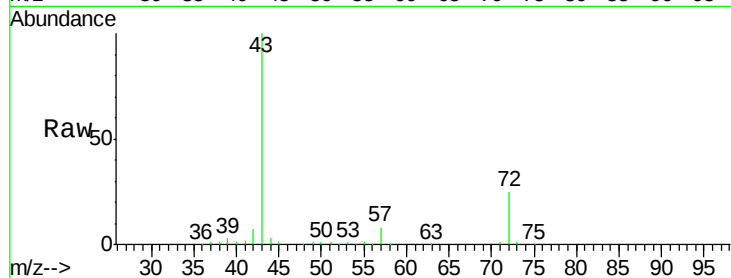
ClientSampled :

Tot Ion: 43 Resp: 177246

Ion Ratio Lower Upper

43 100

72 24.7 20.3 30.5



#26

2,2-Dichloropropane

Concen: 16.779 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000973.D

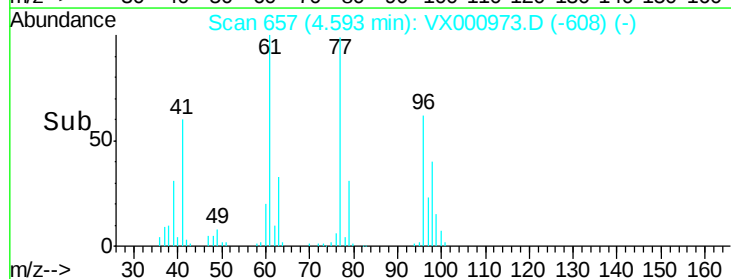
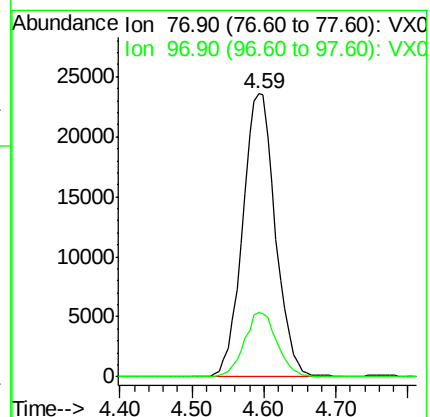
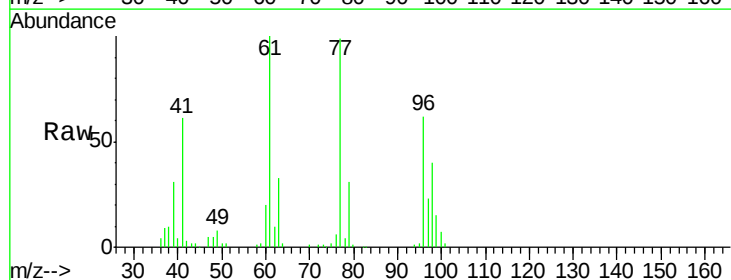
Acq: 17 Apr 2018 18:58

Tgt Ion: 77 Resp: 74149

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.4



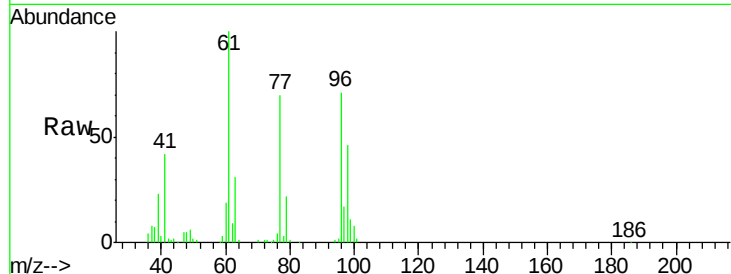


#27

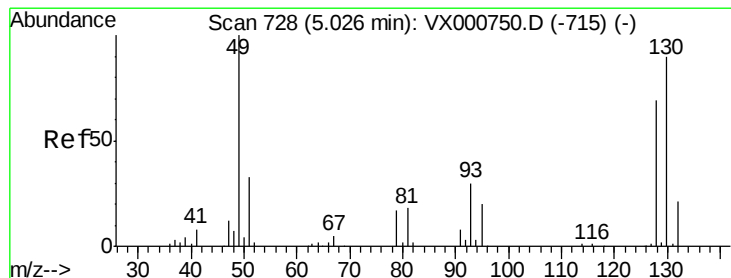
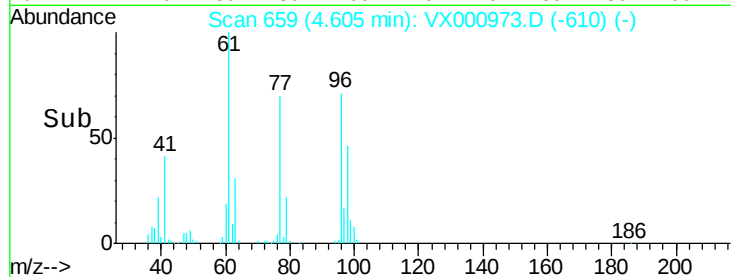
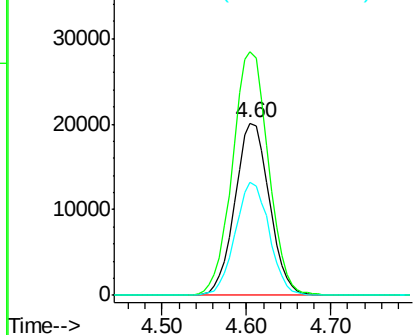
cis-1,2-Dichloroethene
 Concen: 19.055 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 96 Resp: 55677
 Ion Ratio Lower Upper
 96 100
 61 147.8 0.0 292.4
 98 64.7 0.0 130.2



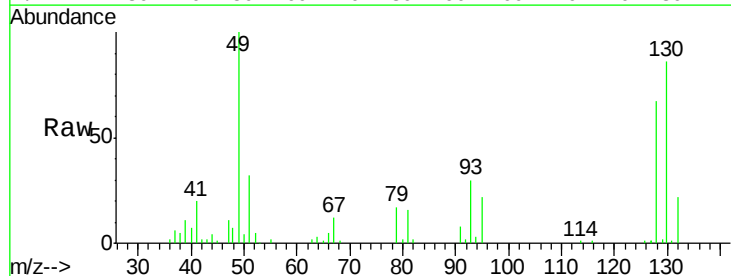
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



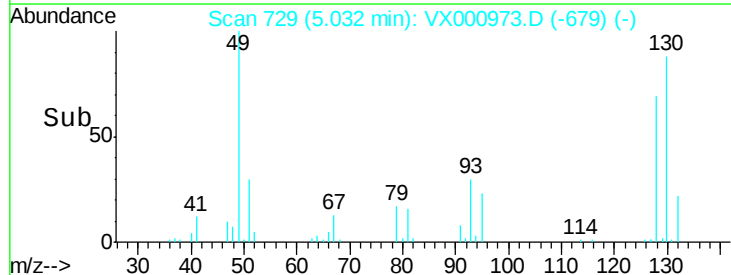
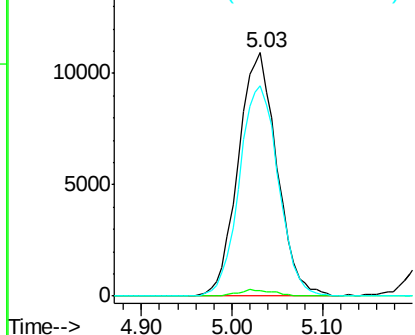
#28

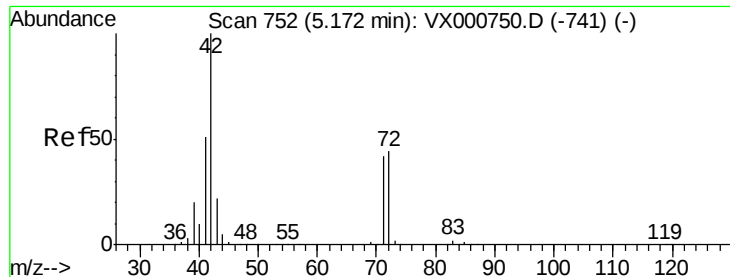
Bromochloromethane
 Concen: 18.022 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Tgt Ion: 49 Resp: 32310
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 5.2
 130 87.2 72.6 109.0



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





#29

Tetrahydrofuran

Concen: 93.476 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampled :

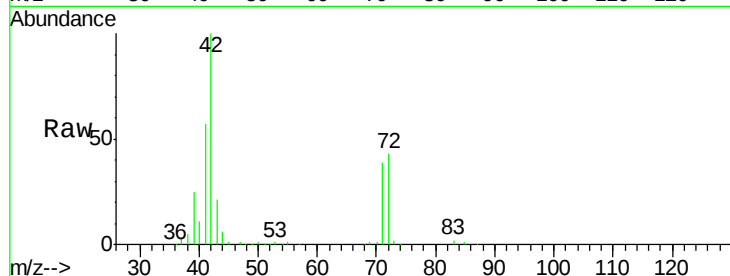
Tot Ion: 42 Resp: 108417

Ion Ratio Lower Upper

42 100

72 44.5 35.1 52.7

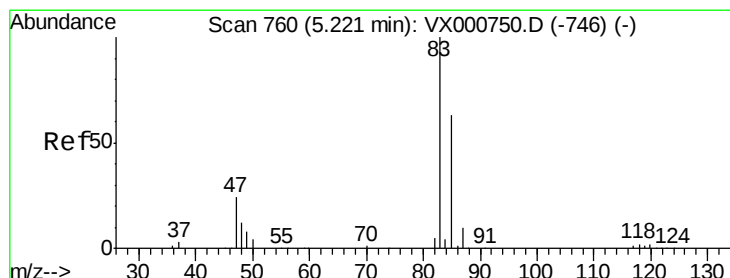
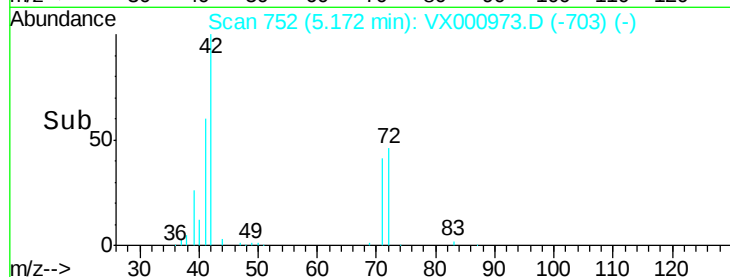
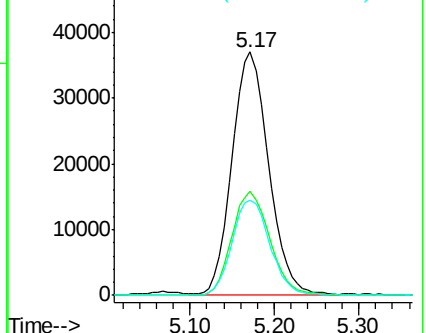
71 40.7 32.8 49.2



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.525 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX000973.D

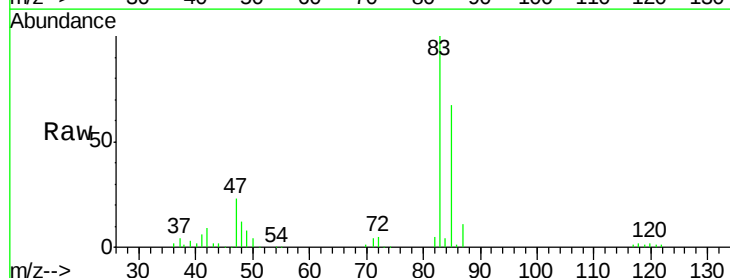
Acq: 17 Apr 2018 18:58

Tgt Ion: 83 Resp: 92035

Ion Ratio Lower Upper

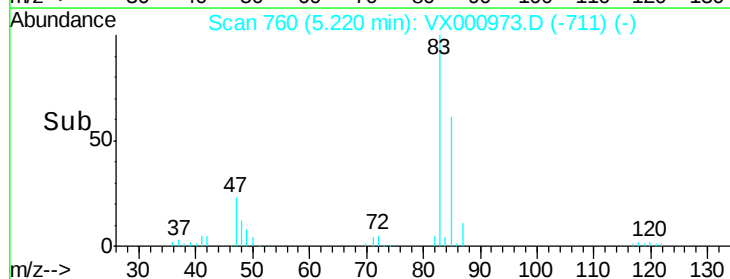
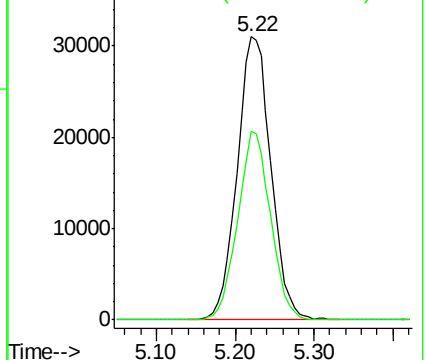
83 100

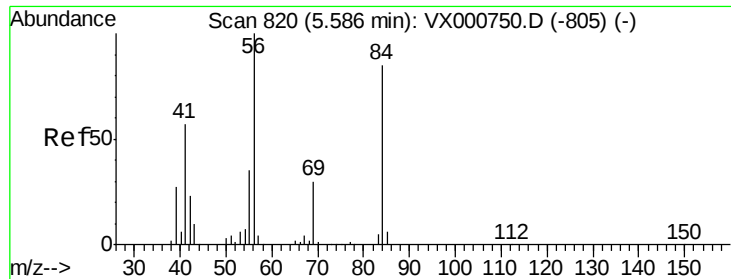
85 66.6 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

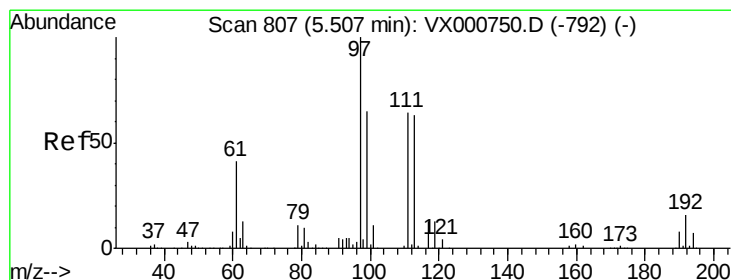
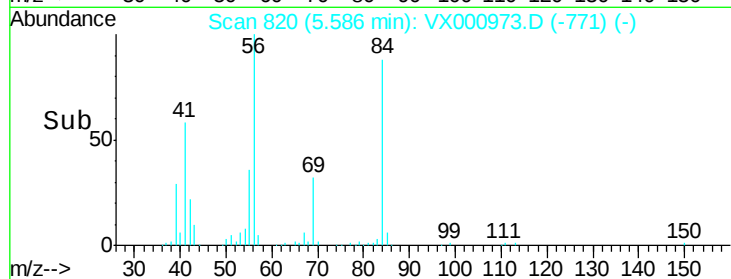
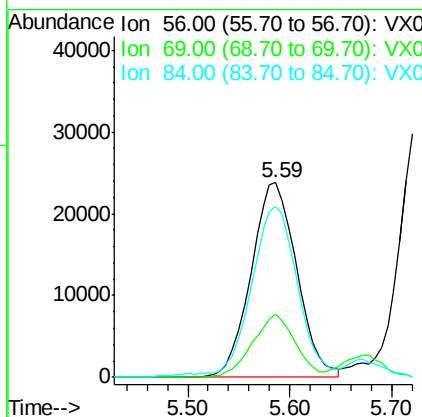
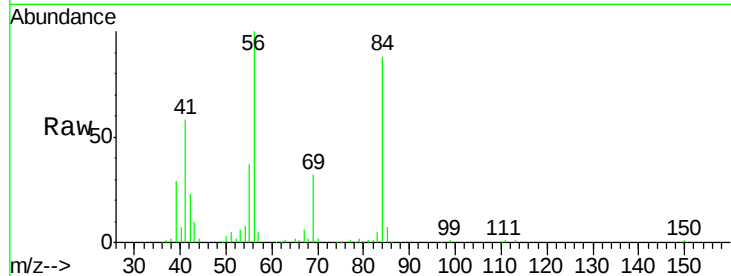




#31
Cyclohexane
Concen: 17.491 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

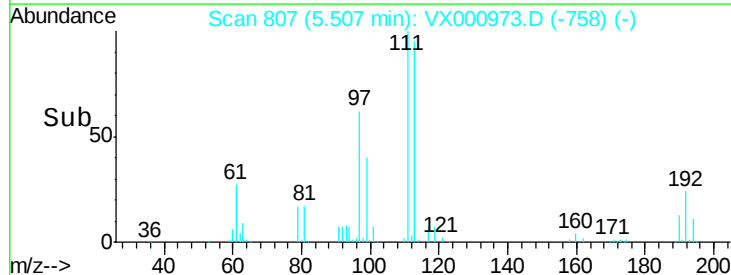
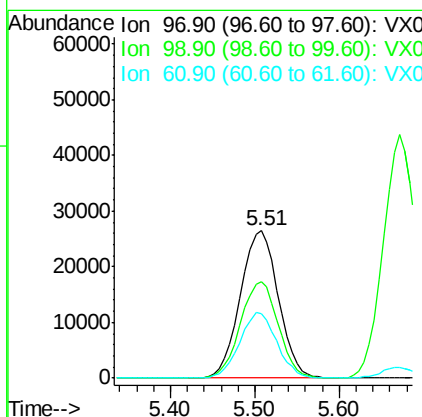
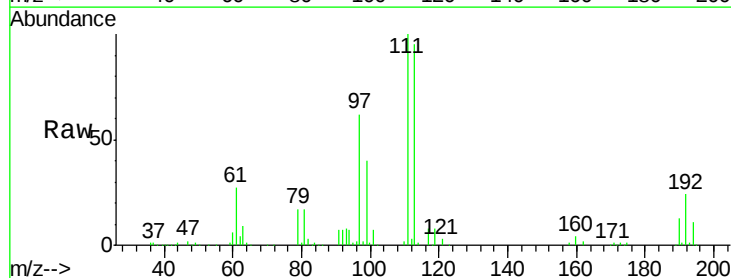
Instrument :
MSVOA_X
ClientSampleId :

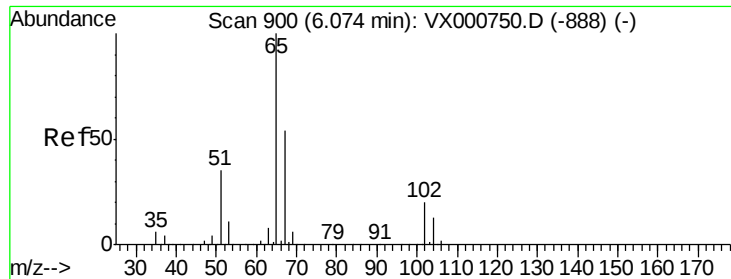
Tot Ion: 56 Resp: 73952
Ion Ratio Lower Upper
56 100
69 32.2 24.2 36.4
84 85.5 67.6 101.4



#32
1,1,1-Trichloroethane
Concen: 18.043 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion: 97 Resp: 81027
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.0
61 43.3 33.7 50.5





#33

1,2-Dichloroethane-d4

Concen: 45.750 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

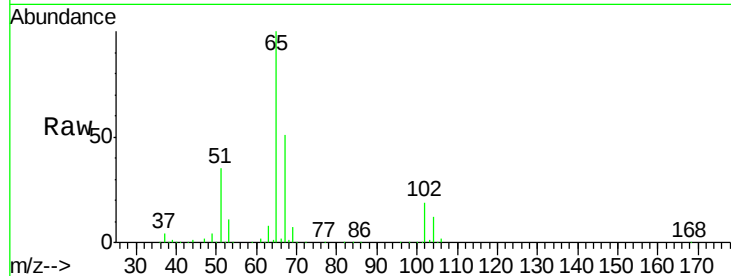
ClientSampleId :

Tot Ion: 65 Resp: 146749

Ion Ratio Lower Upper

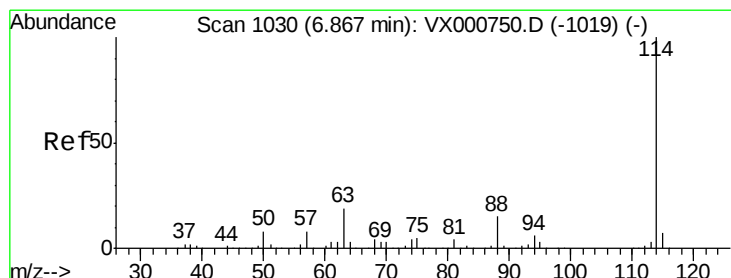
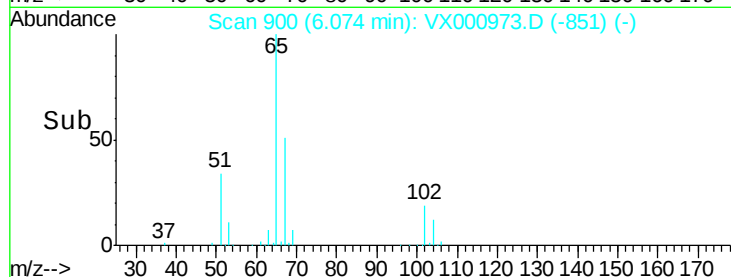
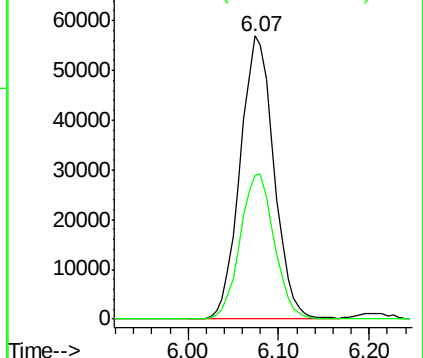
65 100

67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

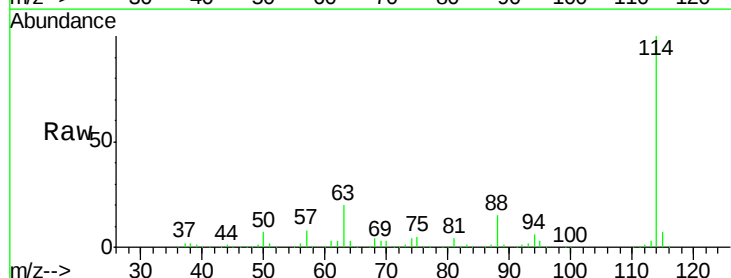
Tgt Ion: 114 Resp: 353273

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

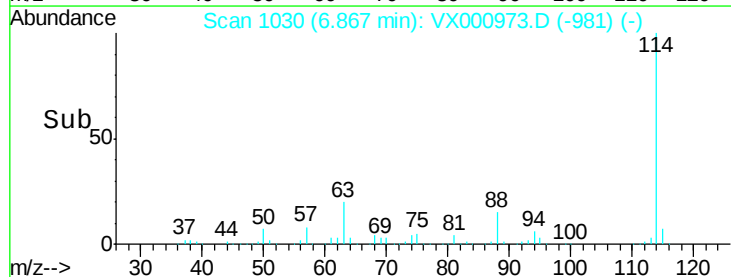
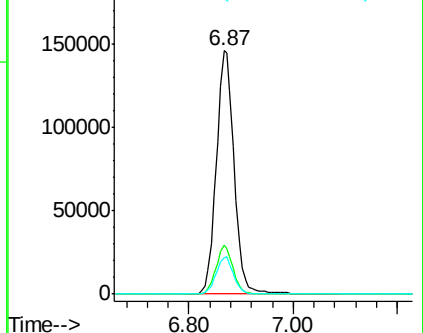
88 14.8 0.0 31.0

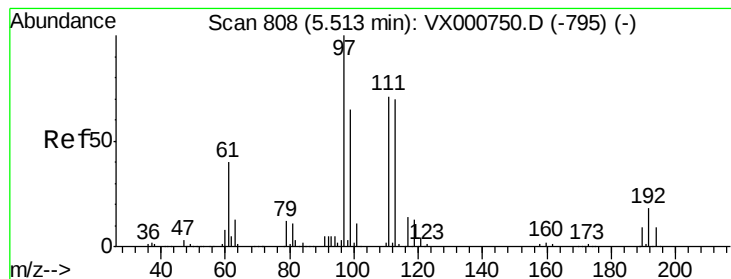


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 43.311 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

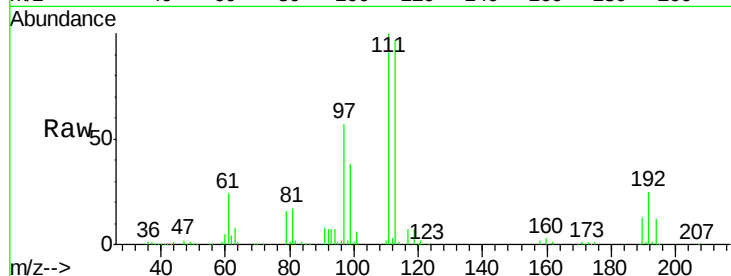
Tot Ion:113 Resp: 117881

Ion Ratio Lower Upper

113 100

111 103.4 81.5 122.3

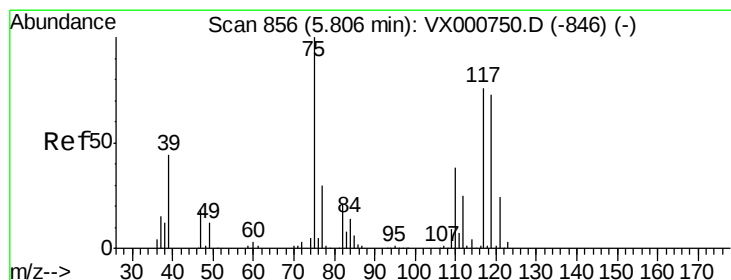
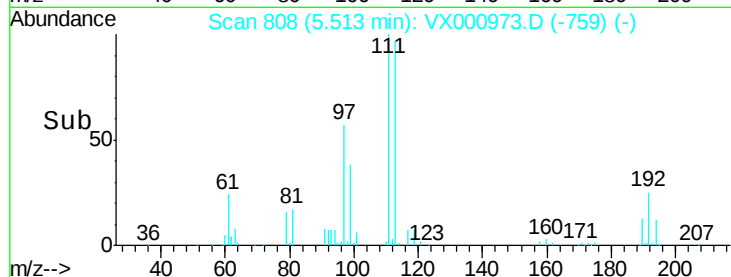
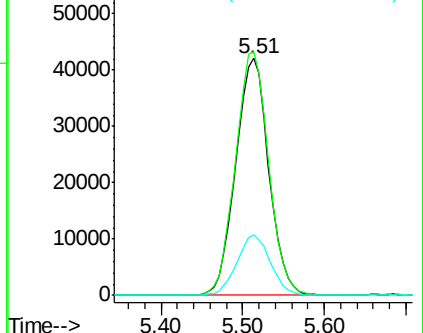
192 25.9 20.4 30.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.556 ug/l

RT: 5.81 min Scan# 856

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

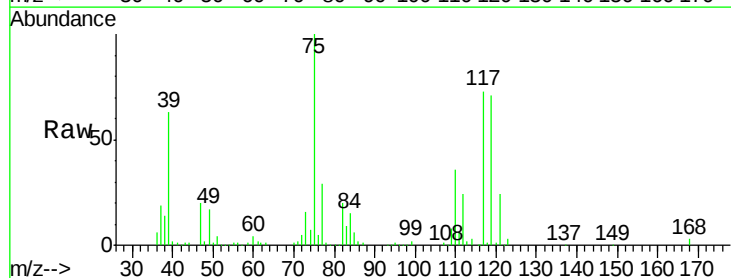
Tgt Ion: 75 Resp: 68305

Ion Ratio Lower Upper

75 100

110 37.4 19.2 57.6

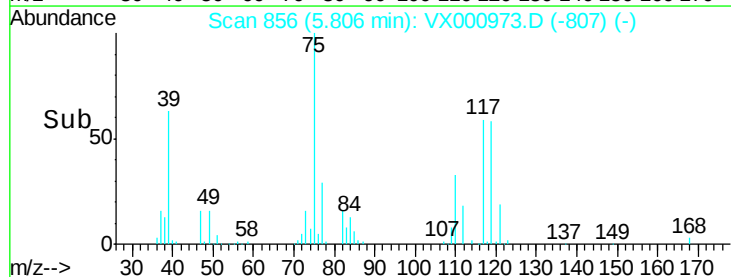
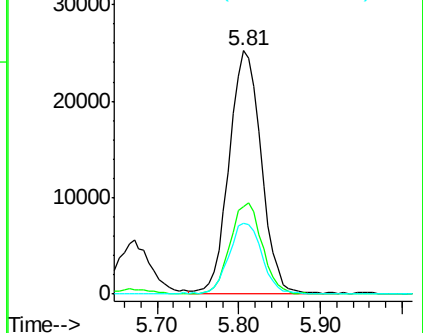
77 30.1 25.4 38.2

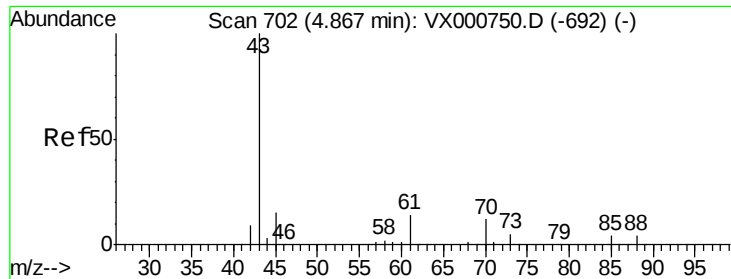


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

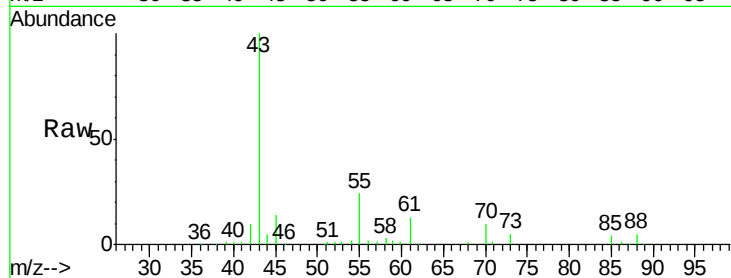




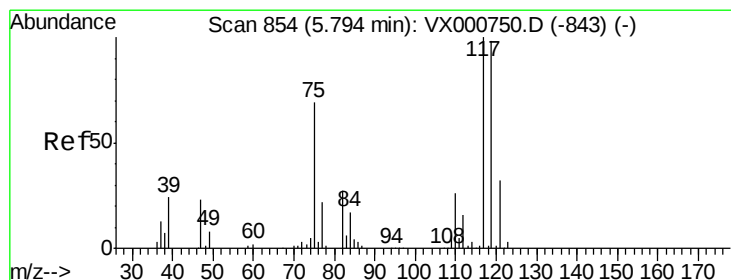
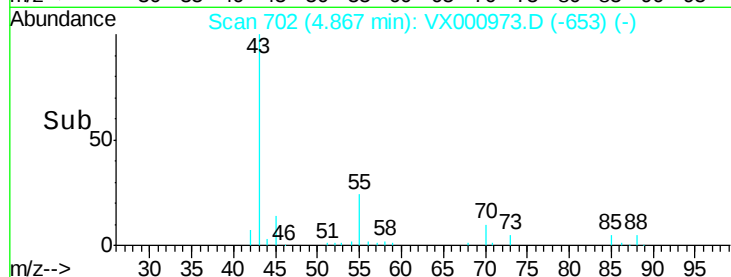
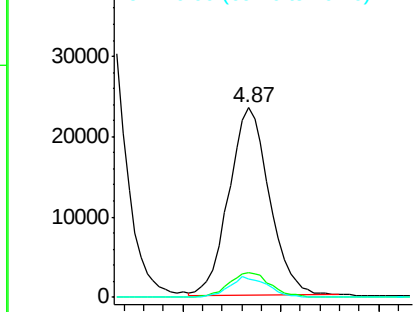
#37
Ethyl Acetate
Concen: 17.692 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 67198
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.4
70 10.5 8.7 13.1

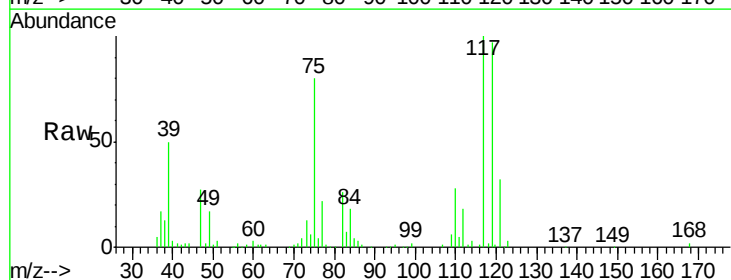


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

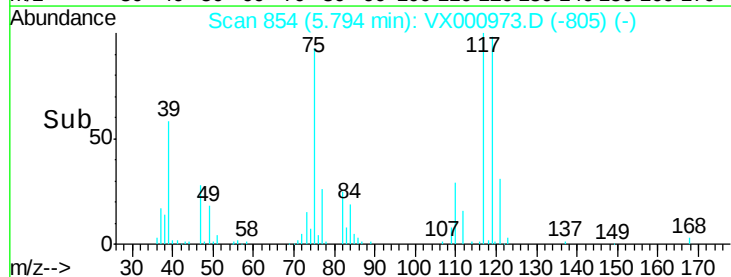
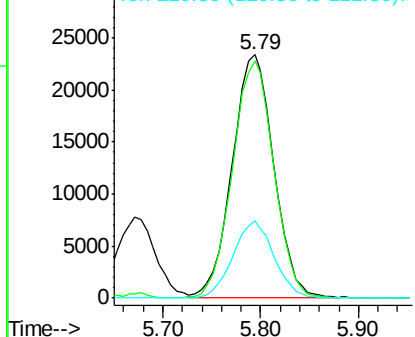


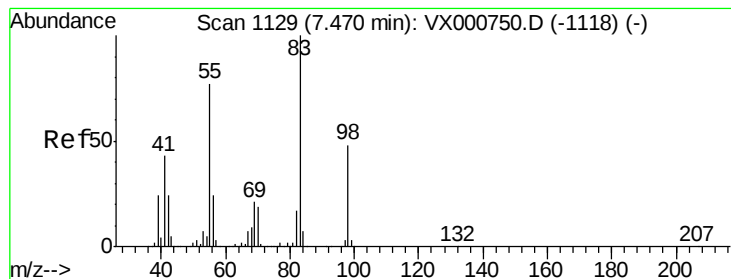
#38
Carbon Tetrachloride
Concen: 15.729 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion: 117 Resp: 68496
Ion Ratio Lower Upper
117 100
119 97.8 78.4 117.6
121 31.7 25.4 38.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 15.979 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

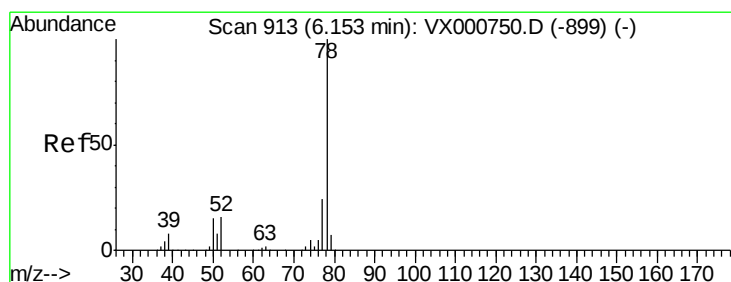
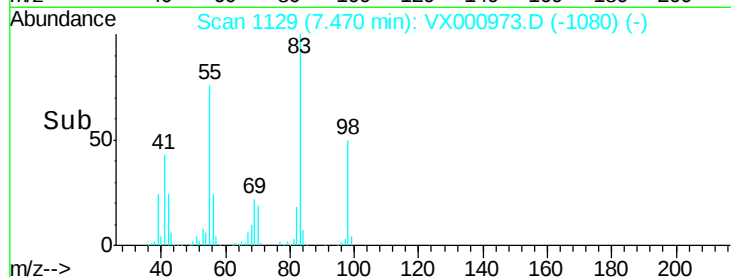
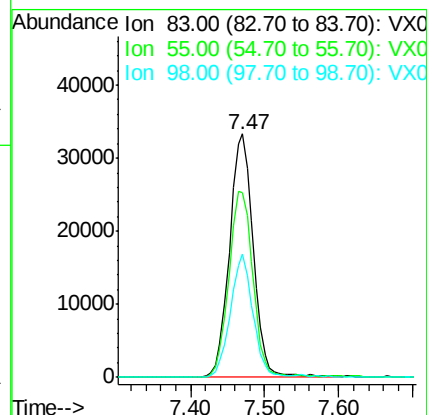
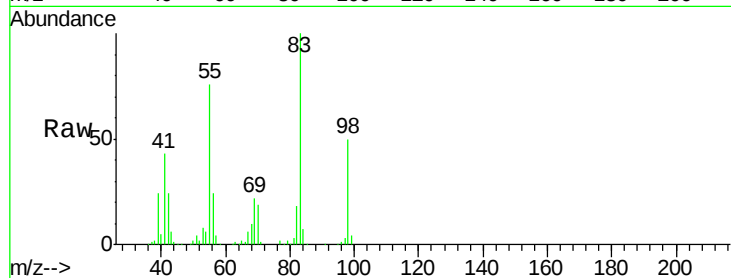
Tot Ion: 83 Resp: 74658

Ion Ratio Lower Upper

83 100

55 76.0 61.5 92.3

98 50.4 38.1 57.1



#40

Benzene

Concen: 18.398 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX000973.D

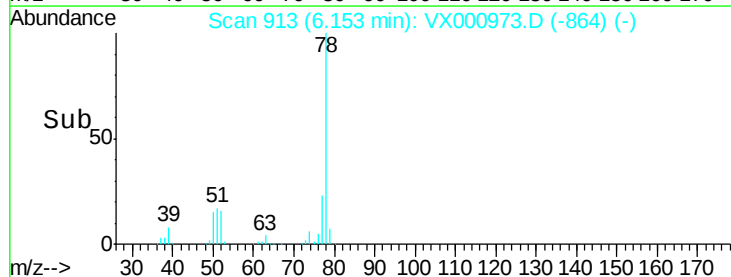
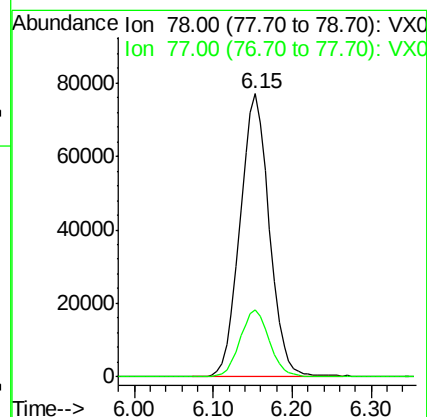
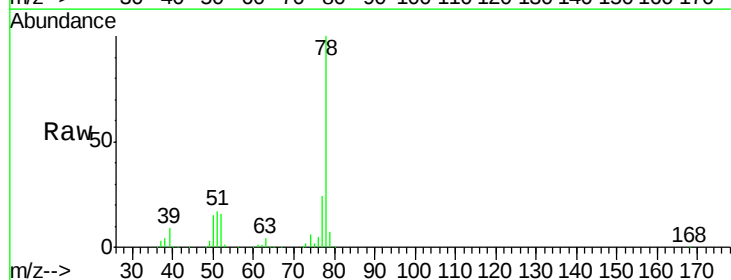
Acq: 17 Apr 2018 18:58

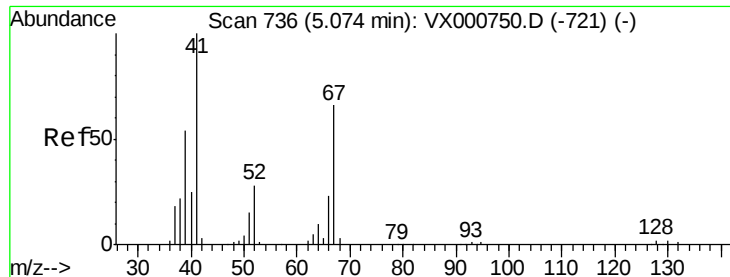
Tgt Ion: 78 Resp: 198885

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

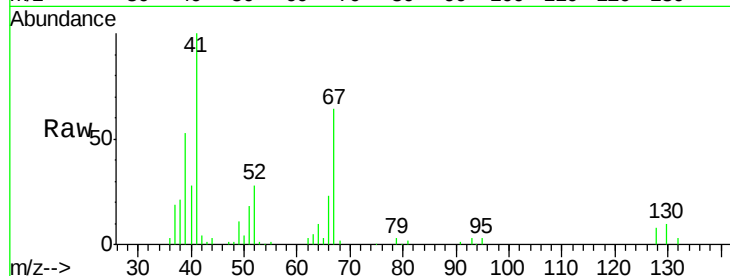




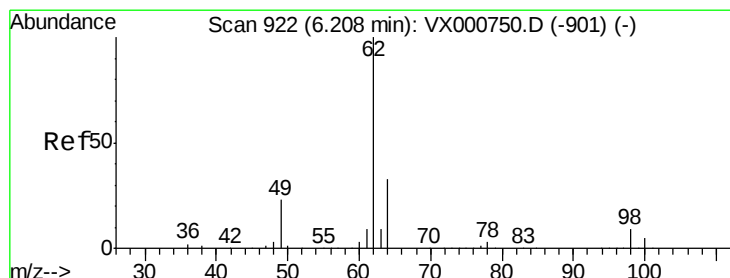
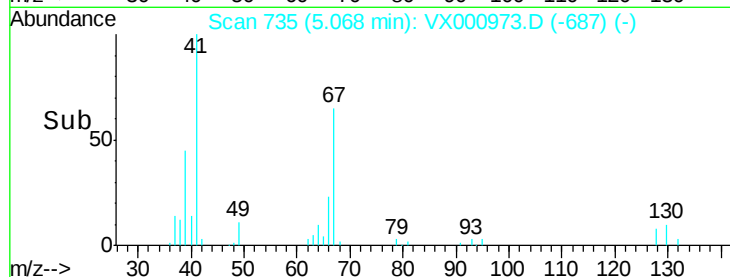
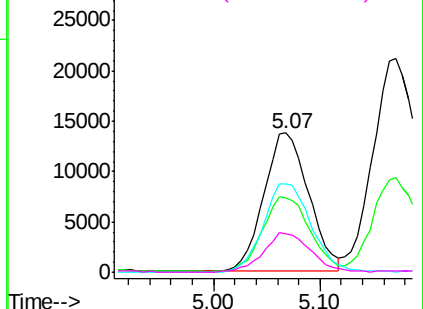
#41
Methacrylonitrile
Concen: 18.481 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	40552
Ion	Ratio	Lower	Upper
41	100		
39	57.2	44.9	67.3
67	68.1	54.7	82.1
52	29.7	23.0	34.6

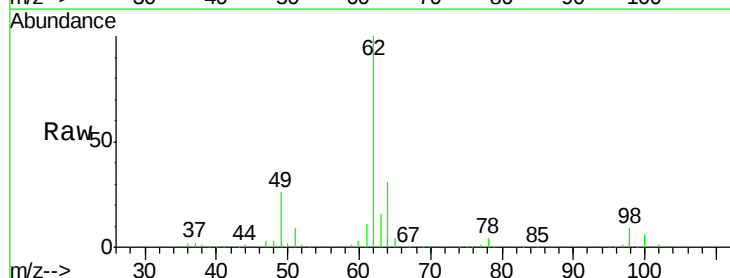


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

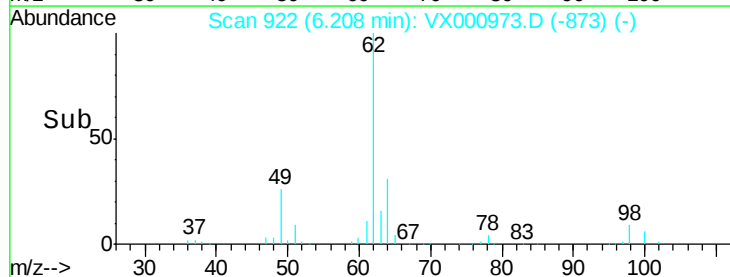
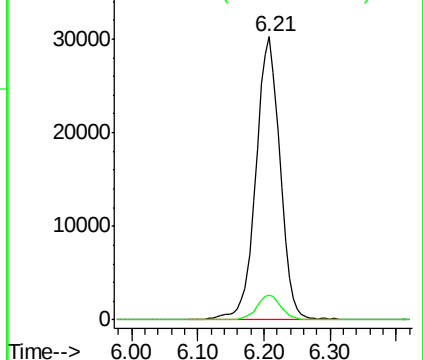


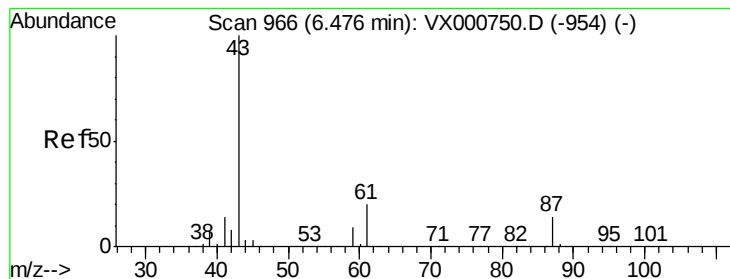
#42
1,2-Dichloroethane
Concen: 19.076 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion:	62	Resp:	77018
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.6



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



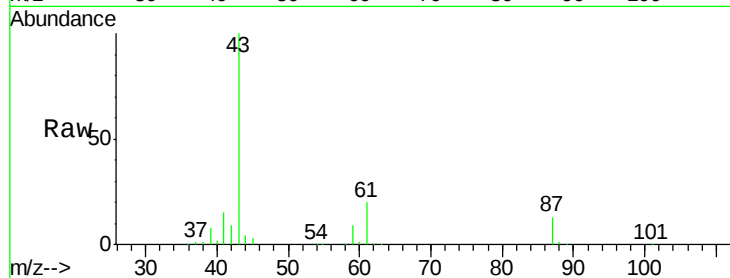


#43

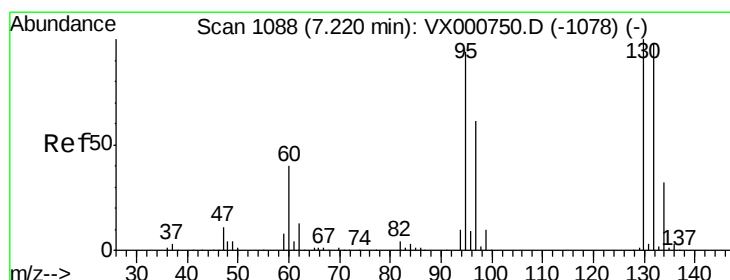
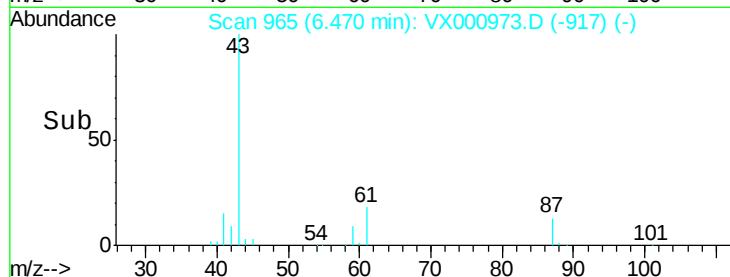
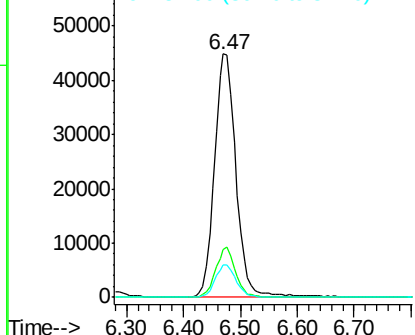
Isopropyl Acetate
 Concen: 17.847 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 116218
 Ion Ratio Lower Upper
 43 100
 61 19.3 15.6 23.4
 87 13.2 10.7 16.1



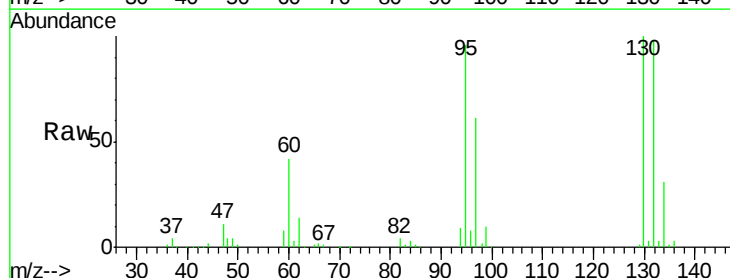
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



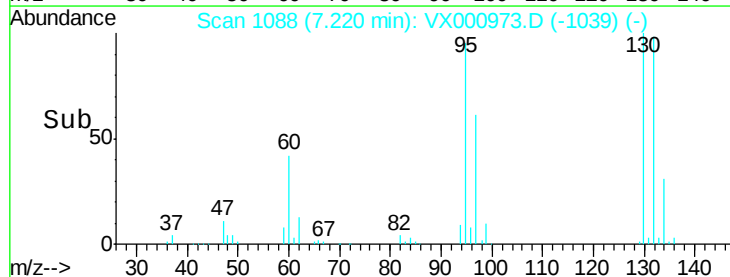
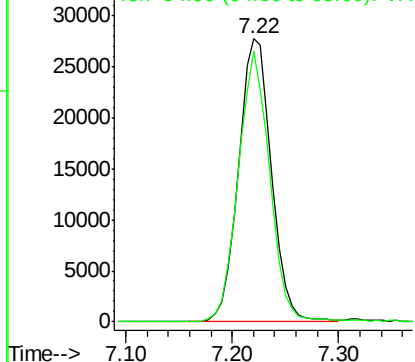
#44

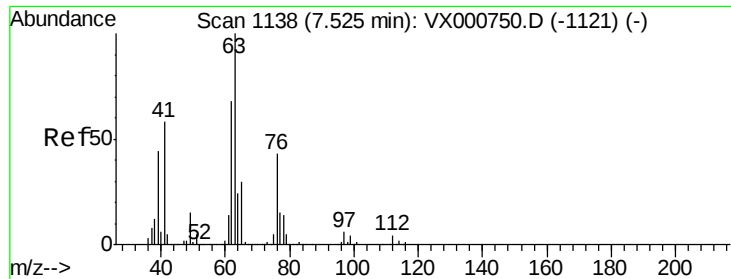
Trichloroethene
 Concen: 17.896 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Tgt Ion:130 Resp: 60168
 Ion Ratio Lower Upper
 130 100
 95 95.8 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.008 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

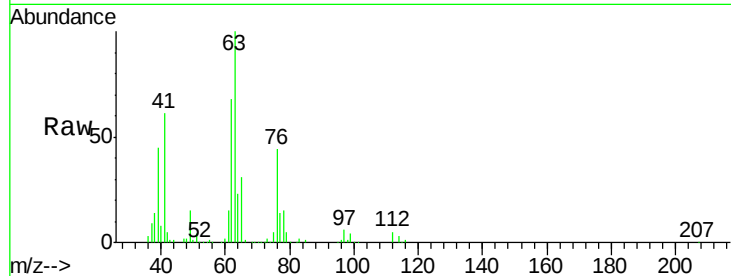
ClientSampled :

Tot Ion: 63 Resp: 52326

Ion Ratio Lower Upper

63 100

65 30.5 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

25000

20000

15000

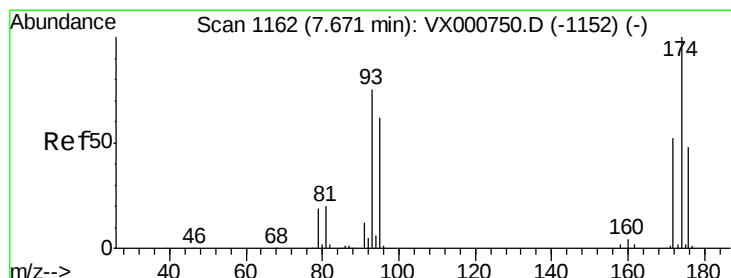
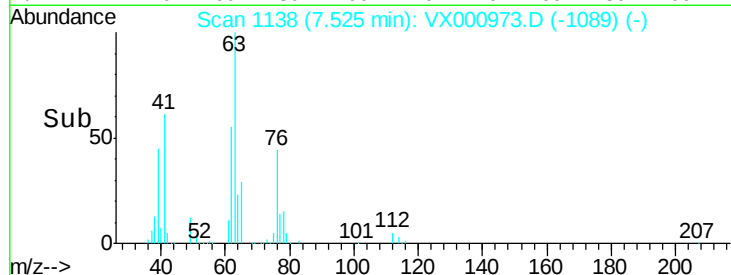
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 18.463 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

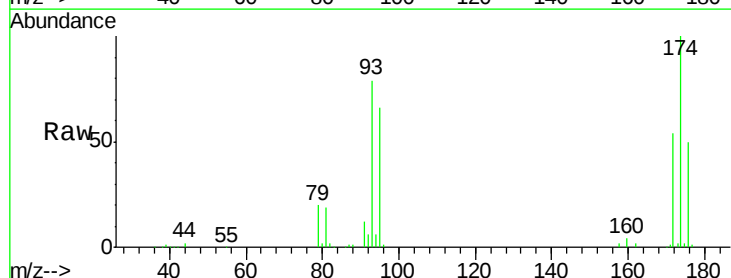
Tgt Ion: 93 Resp: 35436

Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 129.2 104.5 156.7



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.67

30000

25000

20000

15000

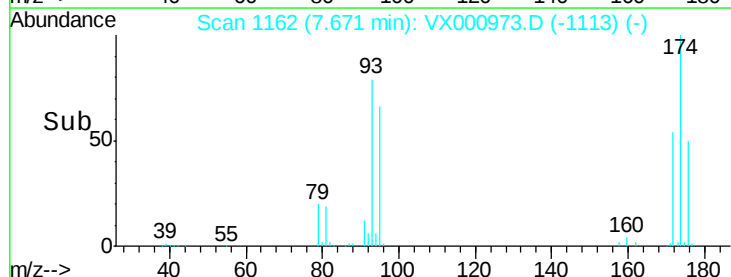
10000

5000

0

Time-->

7.60 7.65 7.70 7.75





#47

Bromodichloromethane

Concen: 16.876 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :

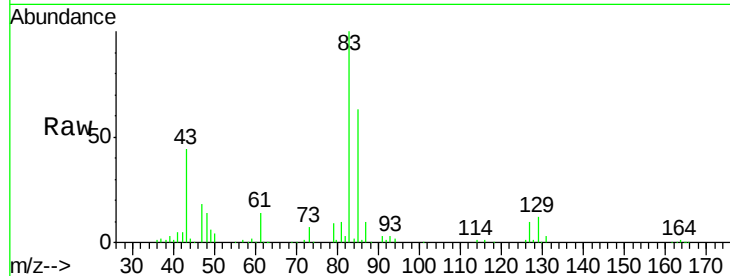
Tot Ion: 83 Resp: 65371

Ion Ratio Lower Upper

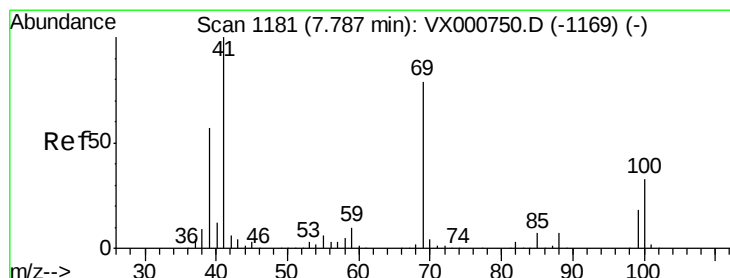
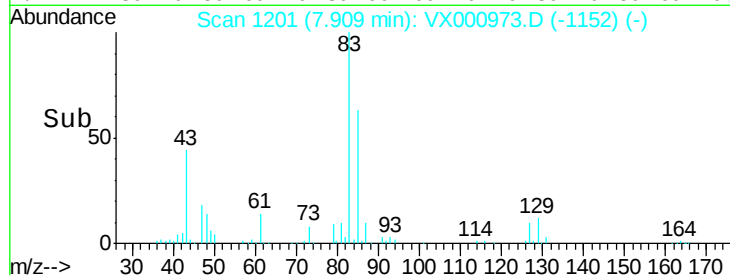
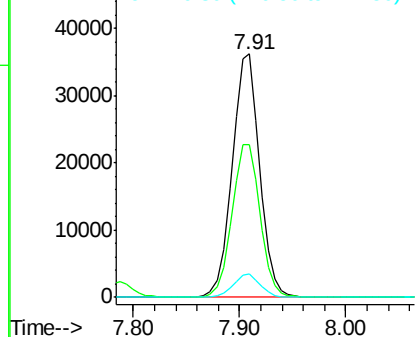
83 100

85 62.6 52.2 78.4

127 9.6 7.8 11.8



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



#48

Methyl methacrylate

Concen: 17.947 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

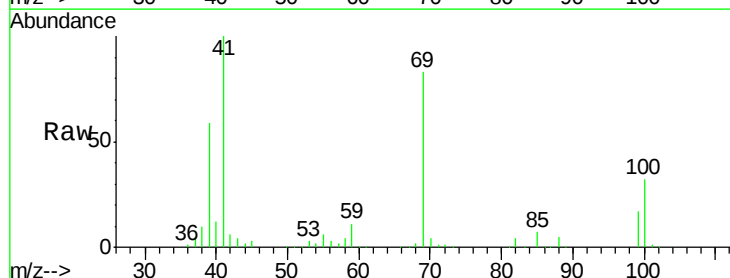
Tgt Ion: 41 Resp: 60576

Ion Ratio Lower Upper

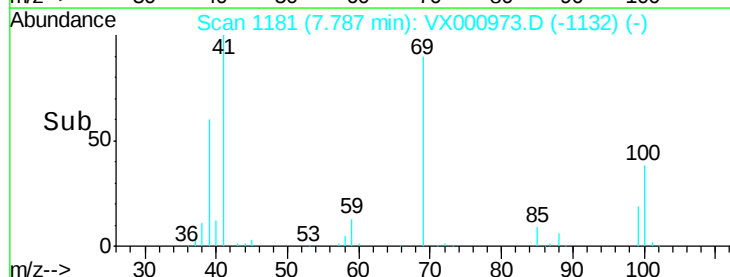
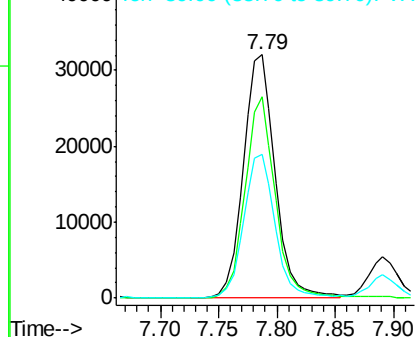
41 100

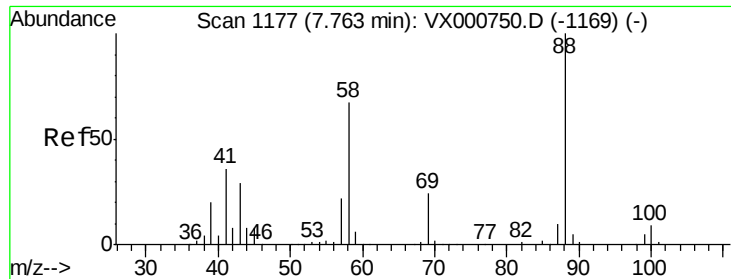
69 80.0 63.9 95.9

39 58.0 45.9 68.9



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

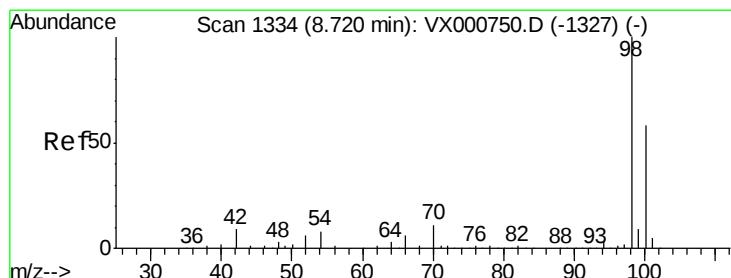
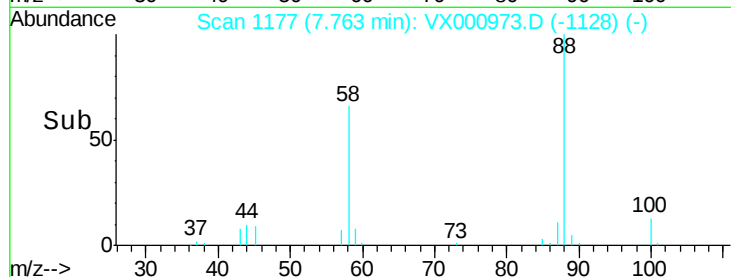
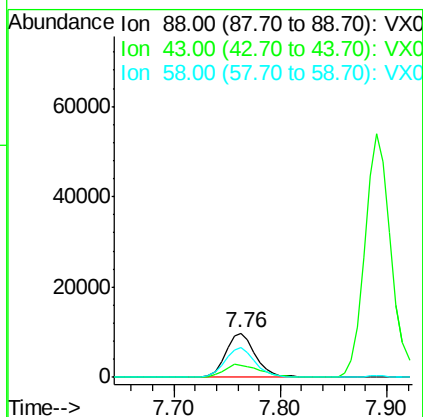
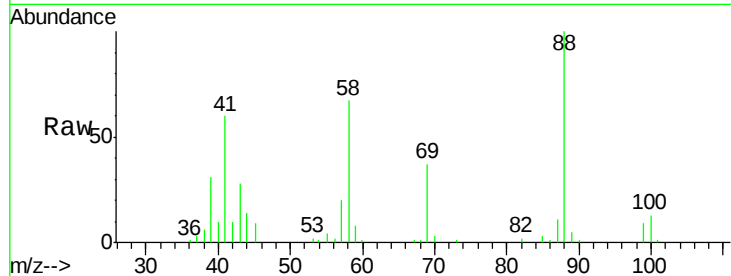




#49
 1,4-Dioxane
 Concen: 279.412 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

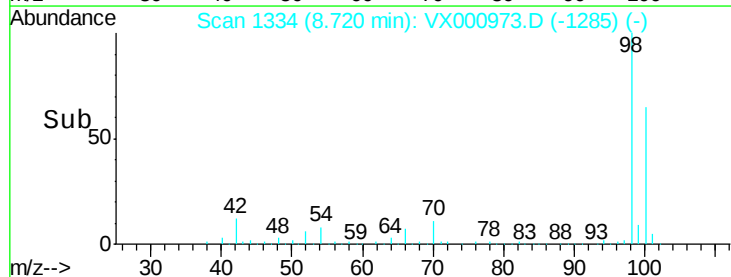
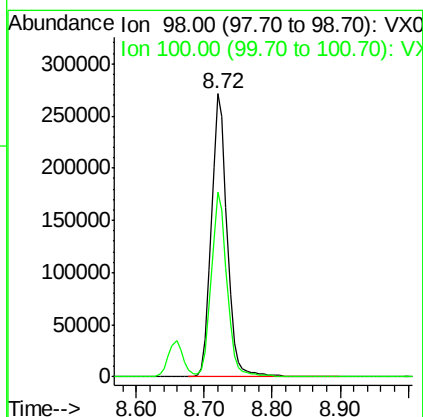
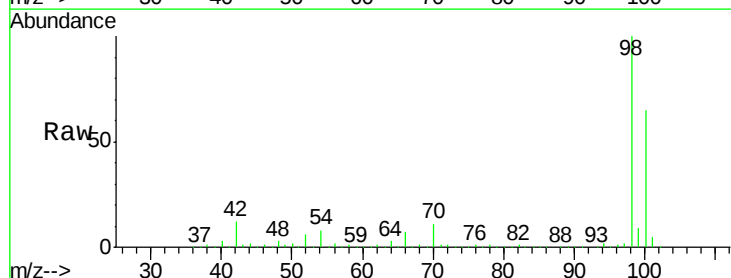
Instrument :
 MSVOA_X
 ClientSampled :

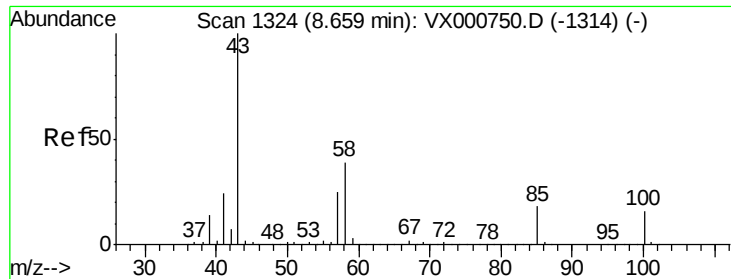
Tot Ion: 88 Resp: 18953
 Ion Ratio Lower Upper
 88 100
 43 34.2 25.8 38.8
 58 70.3 54.4 81.6



#50
 Toluene-d8
 Concen: 43.074 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Tgt Ion: 98 Resp: 436514
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 94.101 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

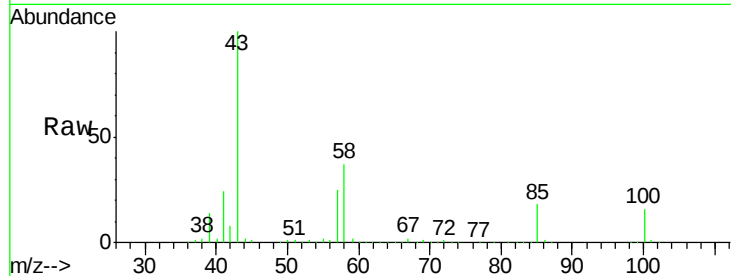
ClientSampleId :

Tot Ion: 43 Resp: 359944

Ion Ratio Lower Upper

43 100

58 36.9 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

200000

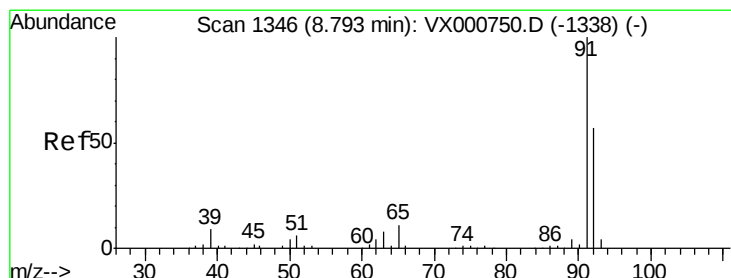
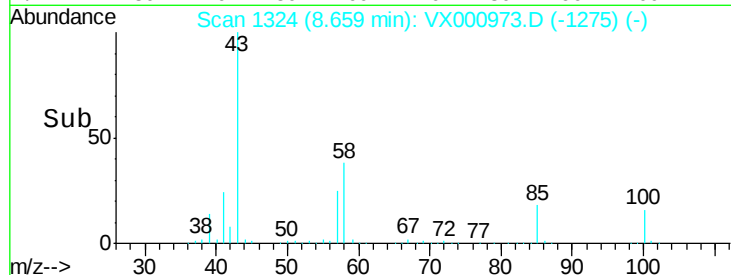
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.040 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000973.D

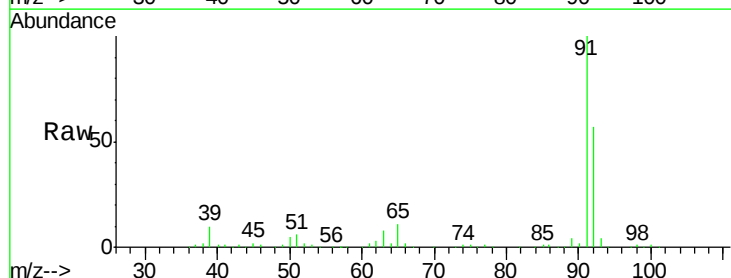
Acq: 17 Apr 2018 18:58

Tgt Ion: 92 Resp: 129382

Ion Ratio Lower Upper

92 100

91 174.2 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

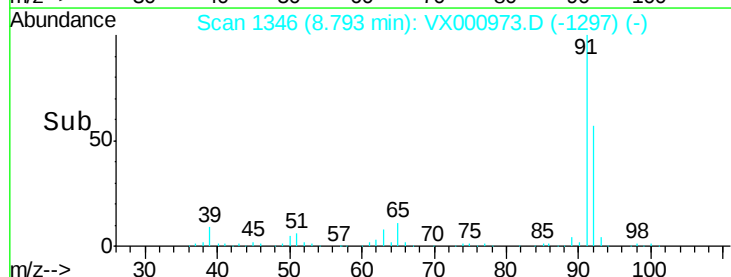
150000

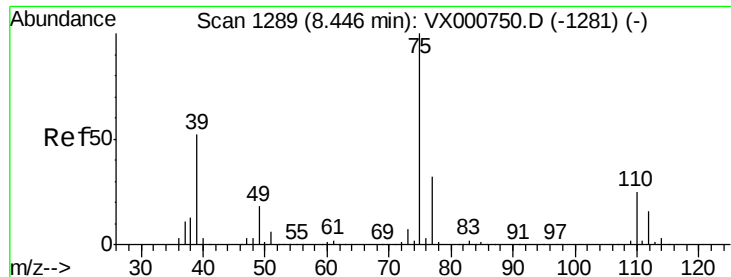
100000

50000

0

Time-->

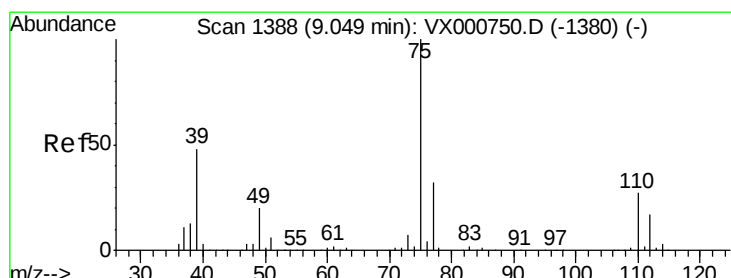
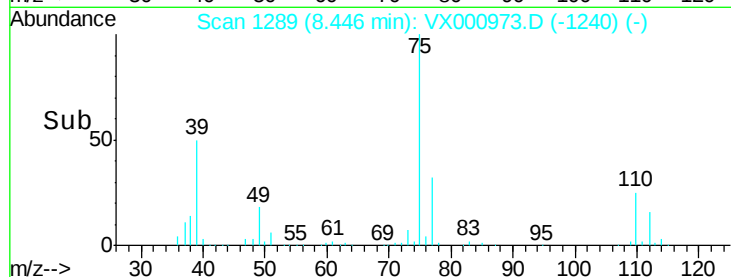
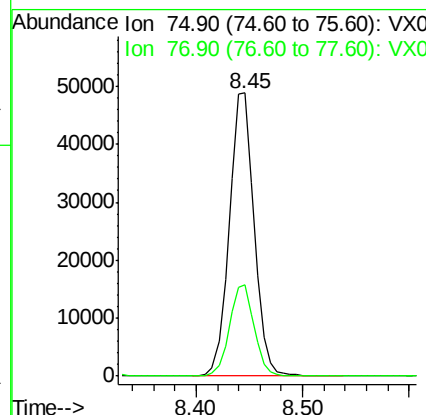
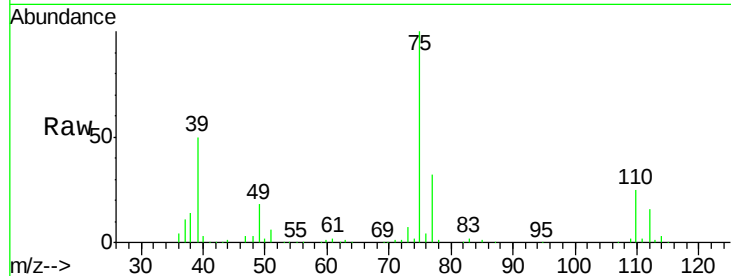




#53
t-1,3-Dichloropropene
Concen: 17.163 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

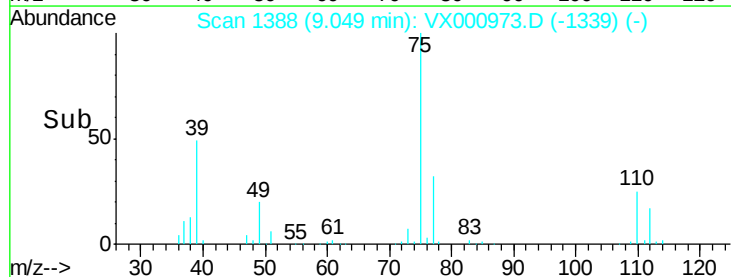
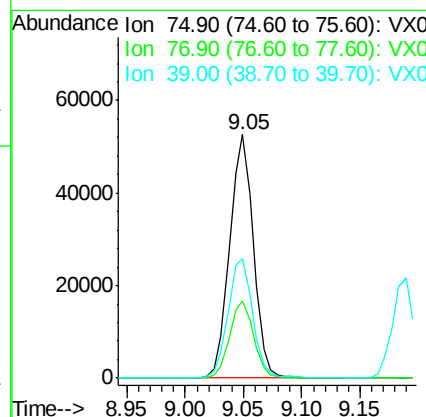
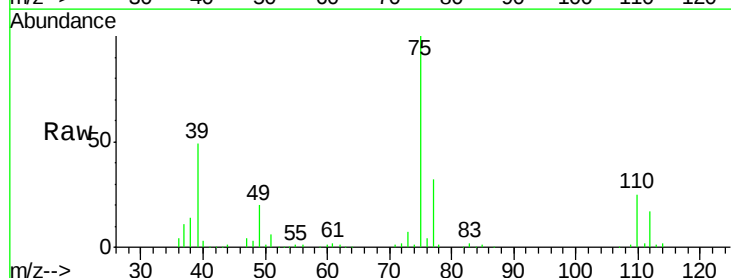
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 79742
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 16.441 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion: 75 Resp: 74383
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
39 49.1 38.6 58.0





#55

1,1,2-Trichloroethane

Concen: 18.670 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 53156

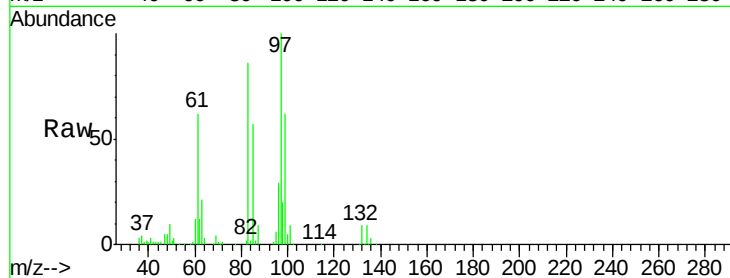
Ion Ratio Lower Upper

97 100

83 86.4 67.6 101.4

85 56.6 43.8 65.6

99 62.4 50.2 75.4

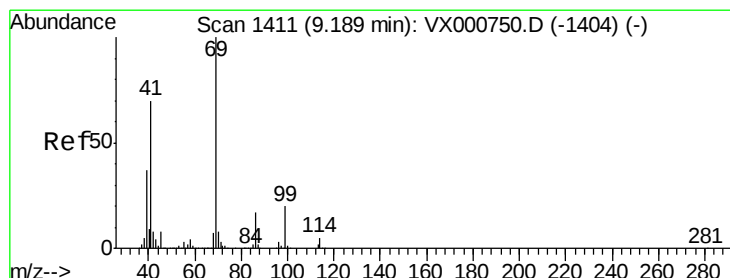
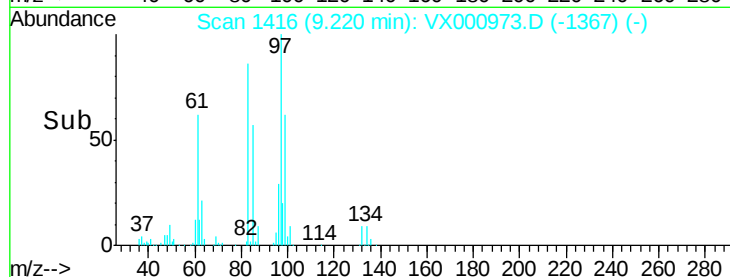
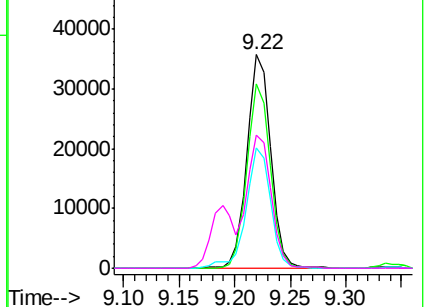


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.065 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

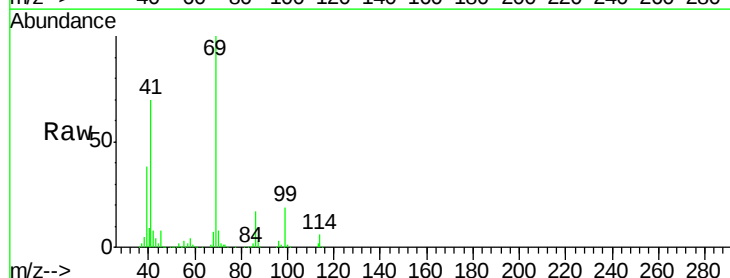
Tgt Ion: 69 Resp: 79346

Ion Ratio Lower Upper

69 100

41 68.6 55.6 83.4

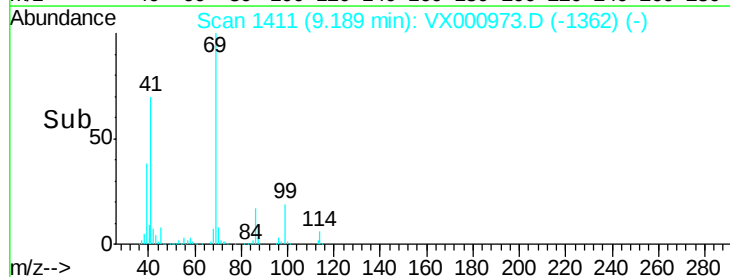
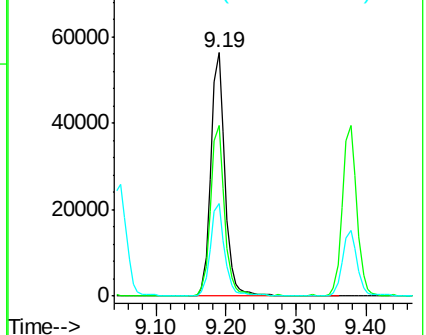
39 38.4 30.3 45.5

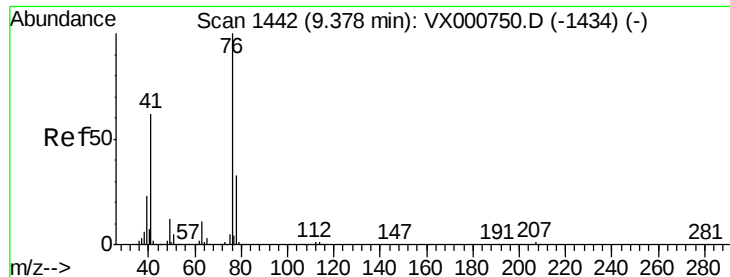


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.372 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

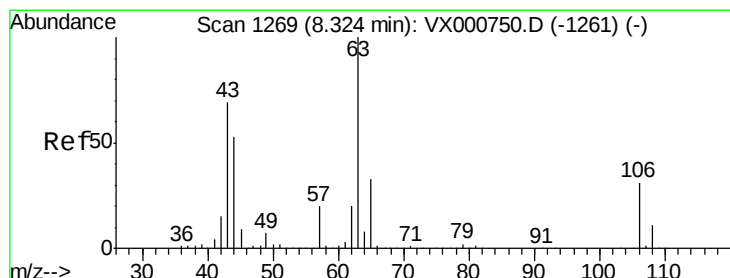
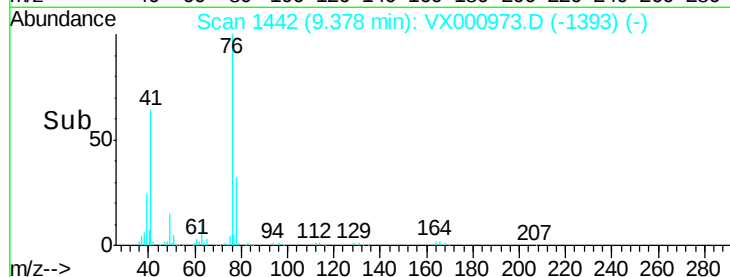
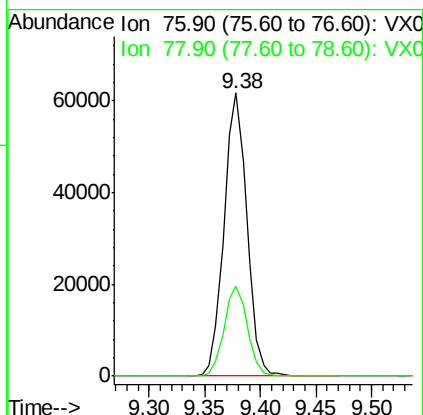
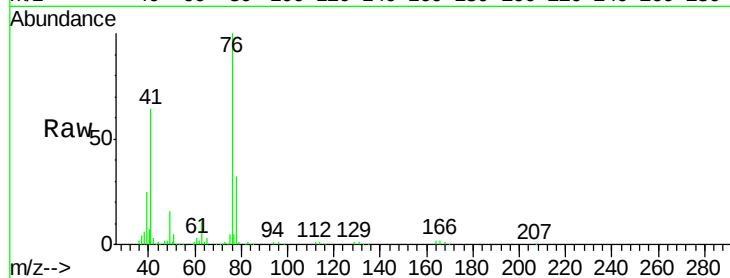
ClientSampleId :

Tot Ion: 76 Resp: 87690

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 90.965 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX000973.D

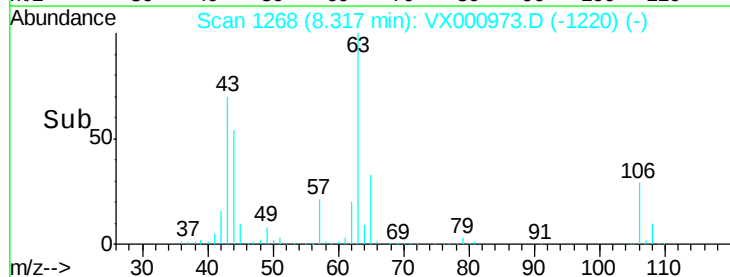
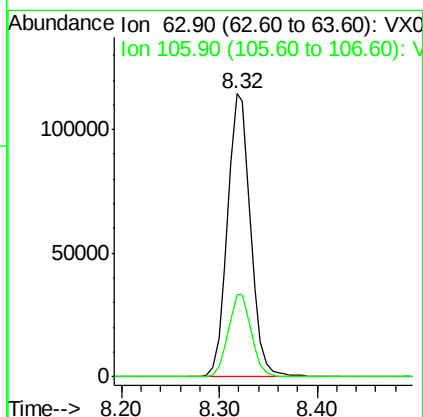
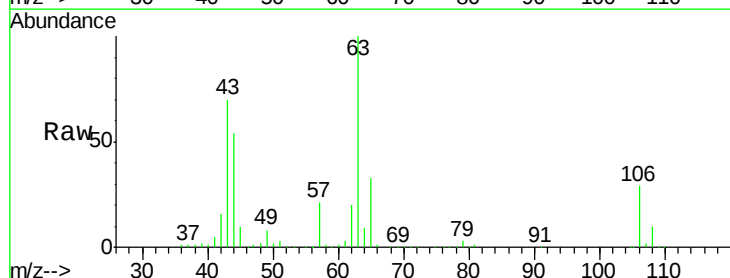
Acq: 17 Apr 2018 18:58

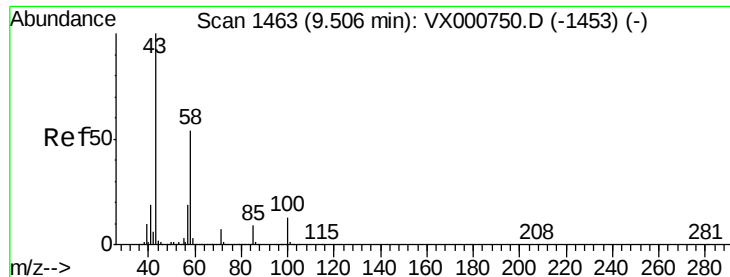
Tgt Ion: 63 Resp: 186669

Ion Ratio Lower Upper

63 100

106 29.7 24.3 36.5

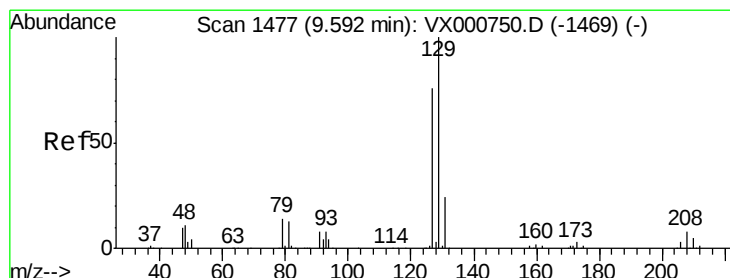
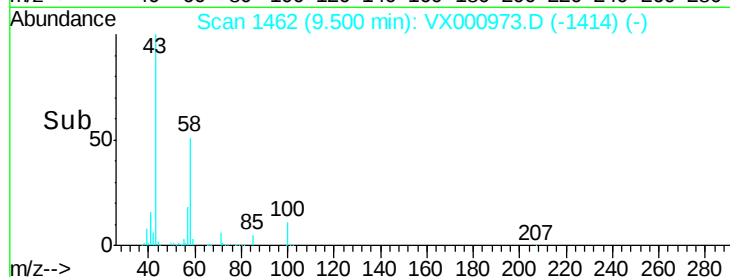
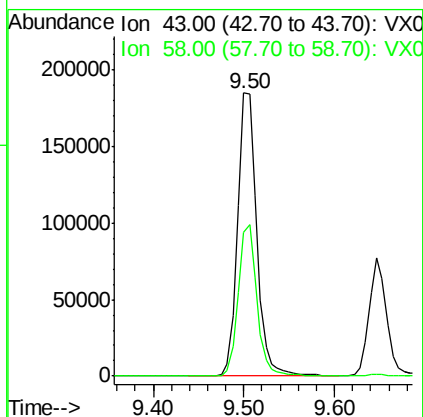
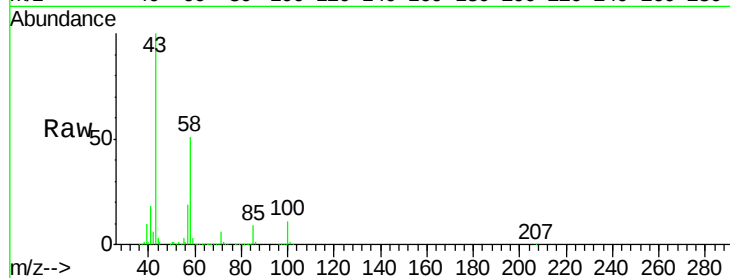




#59
2-Hexanone
Concen: 91.984 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

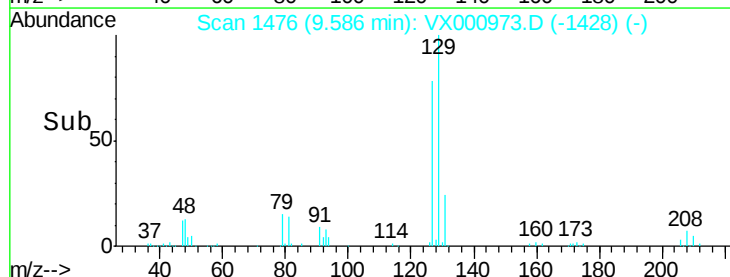
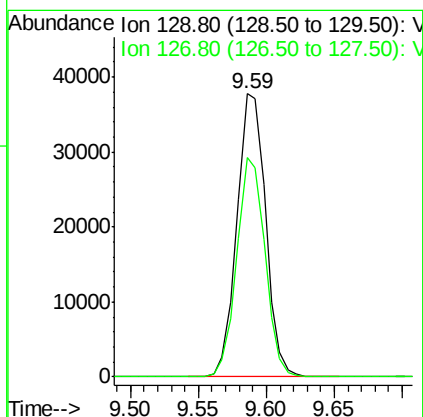
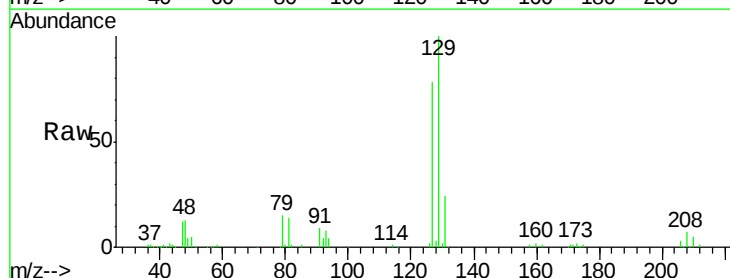
Instrument :
MSVOA_X
ClientSampleId :

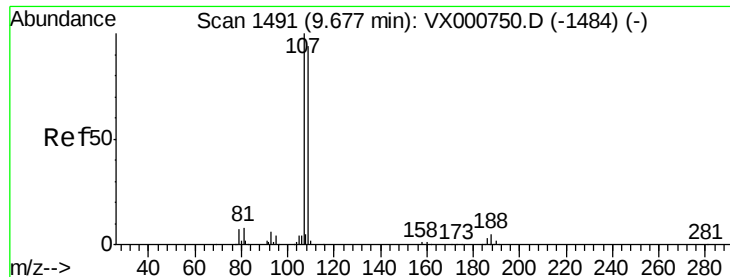
Tot Ion: 43 Resp: 271629
Ion Ratio Lower Upper
43 100
58 52.1 26.5 79.5



#60
Dibromochloromethane
Concen: 16.354 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion: 129 Resp: 55713
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.155 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

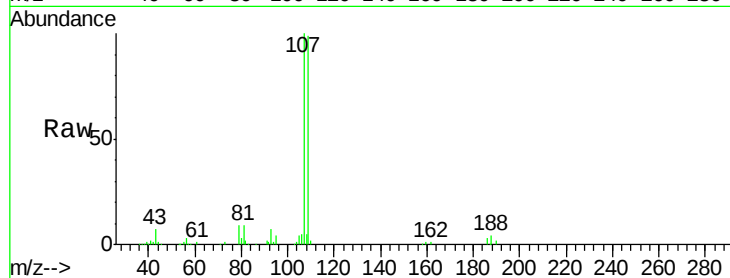
ClientSampleId :

Tot Ion:107 Resp: 54838

Ion Ratio Lower Upper

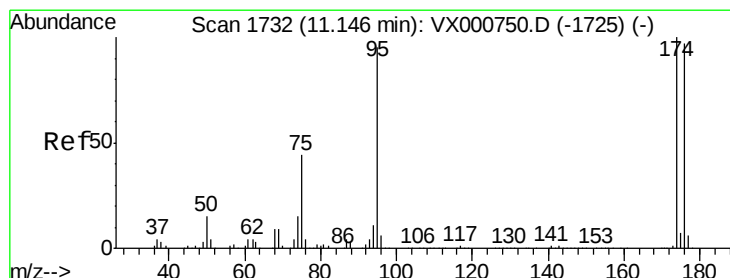
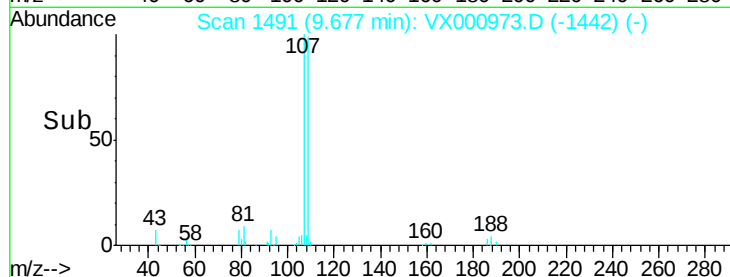
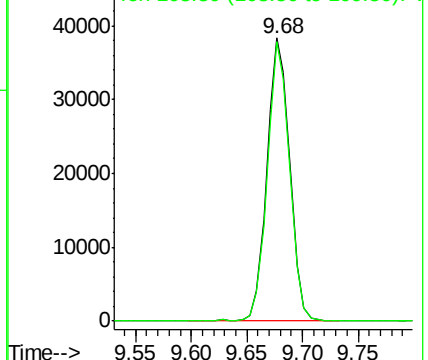
107 100

109 96.4 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.490 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

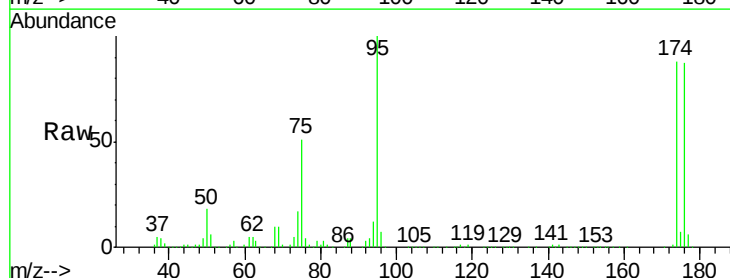
Tgt Ion: 95 Resp: 178152

Ion Ratio Lower Upper

95 100

174 97.4 0.0 198.4

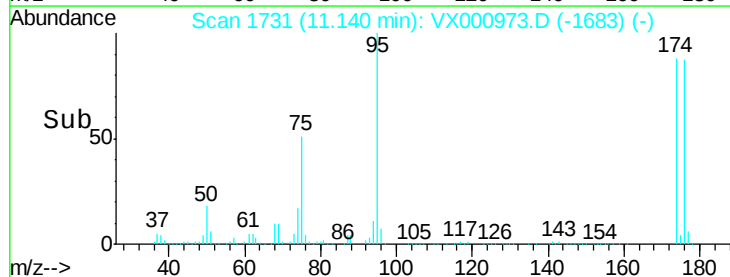
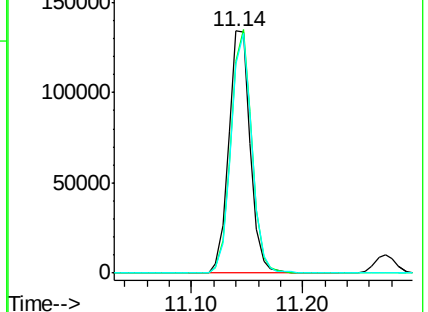
176 96.4 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

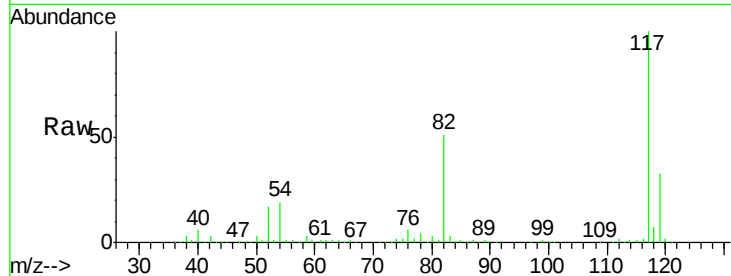




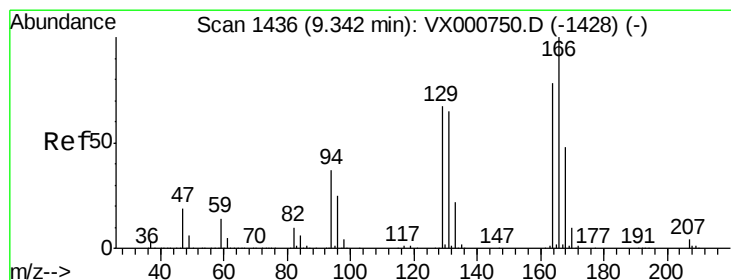
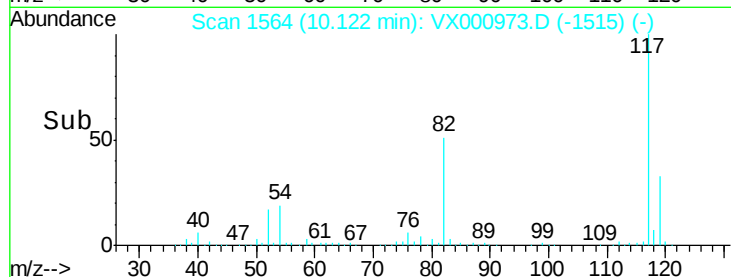
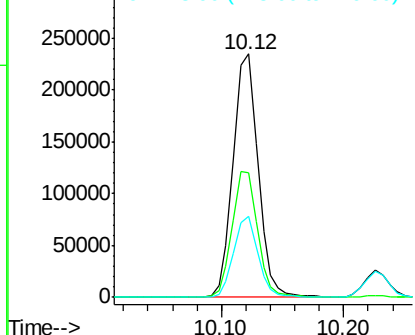
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 332936
Ion Ratio Lower Upper
117 100
82 51.2 41.9 62.9
119 33.1 26.0 39.0



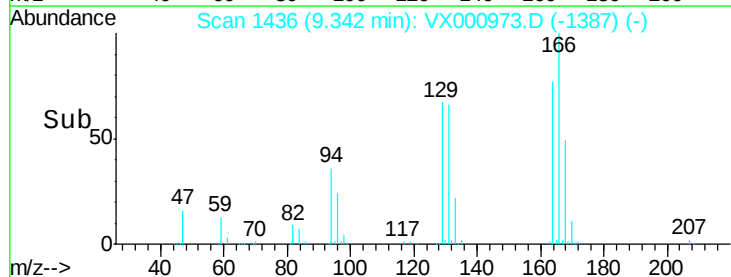
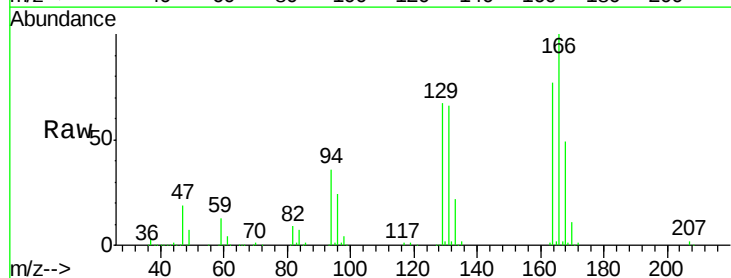
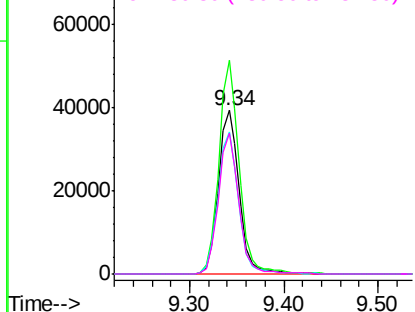
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

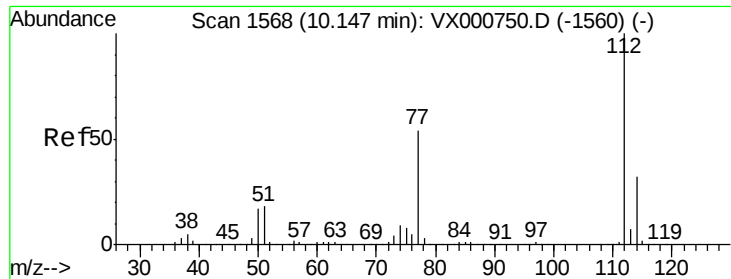


#64
Tetrachloroethene
Concen: 18.481 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion:164 Resp: 60163
Ion Ratio Lower Upper
164 100
166 130.5 102.8 154.2
129 87.0 68.5 102.7
131 85.9 66.6 100.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

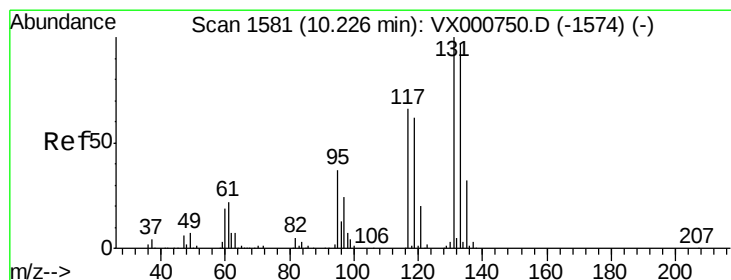
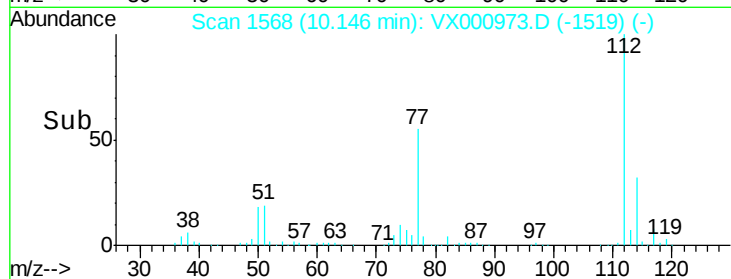
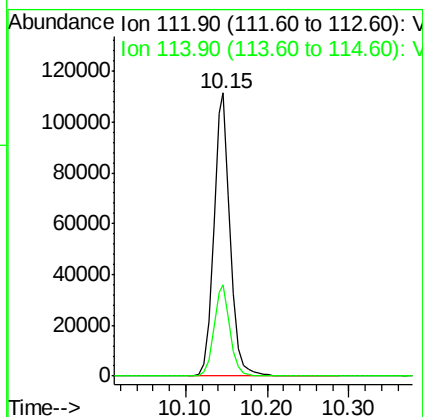
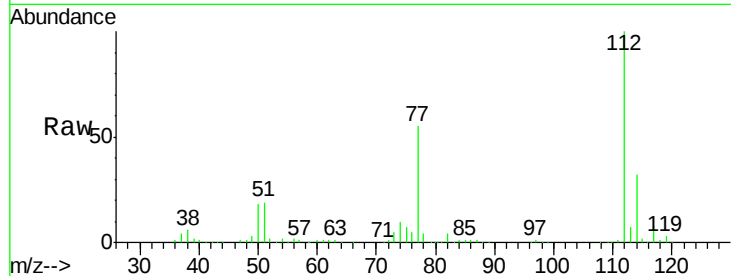




#65
Chlorobenzene
Concen: 18.667 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

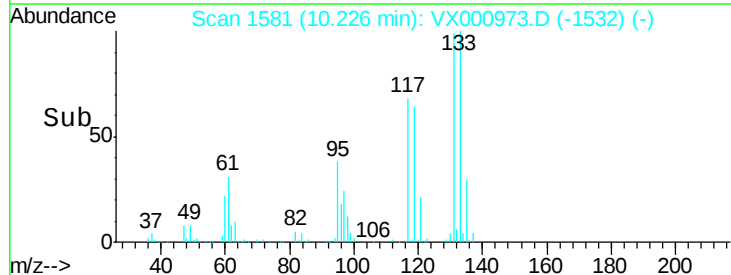
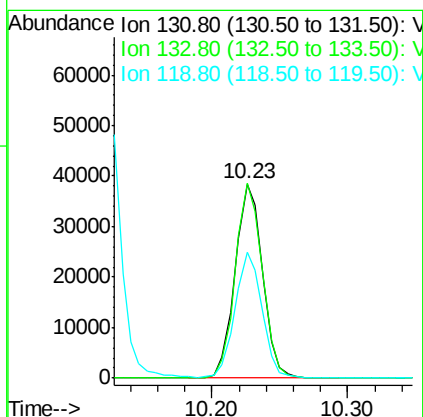
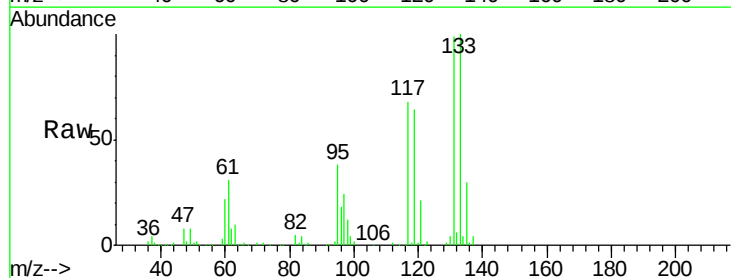
Instrument :
MSVOA_X
ClientSampleId :

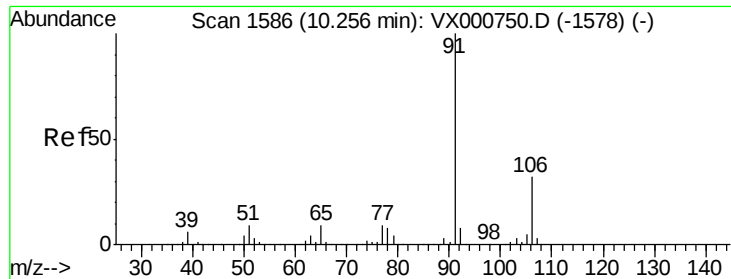
Tot Ion:112 Resp: 156337
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.119 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion:131 Resp: 53965
Ion Ratio Lower Upper
131 100
133 98.7 48.3 144.9
119 64.3 31.4 94.0





#67

Ethyl Benzene

Concen: 18.382 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

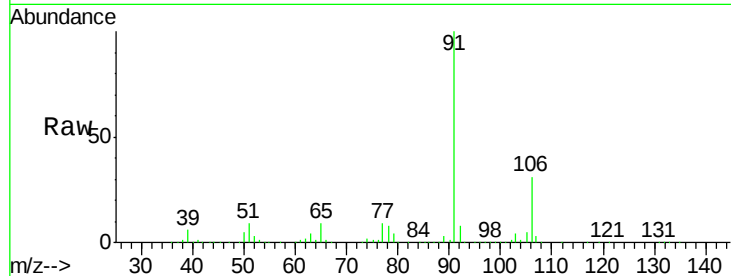
ClientSampled :

Tot Ion: 91 Resp: 256679

Ion Ratio Lower Upper

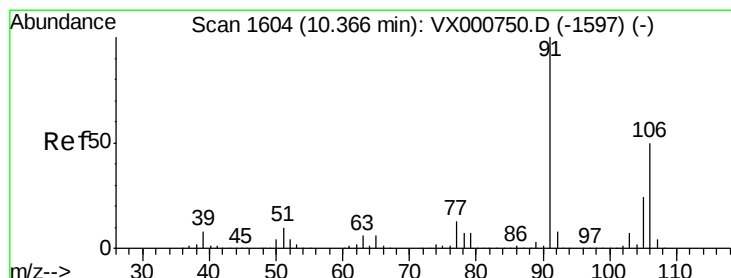
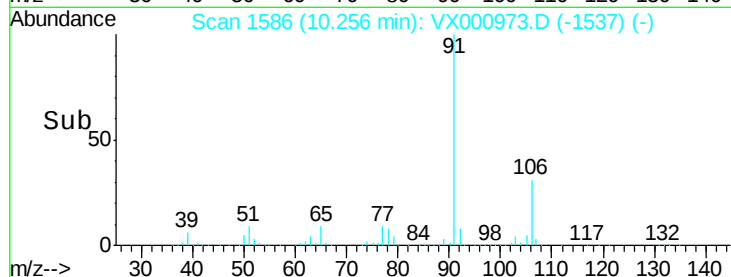
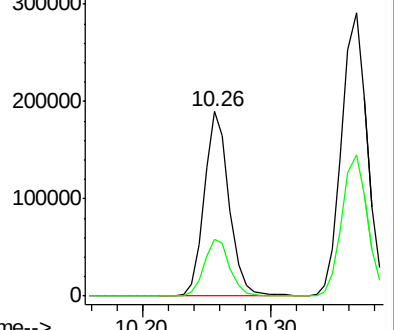
91 100

106 30.8 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.449 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000973.D

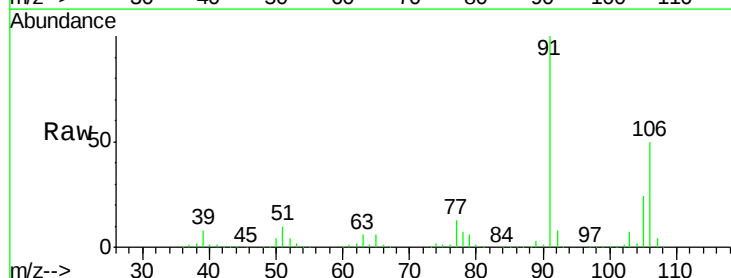
Acq: 17 Apr 2018 18:58

Tgt Ion:106 Resp: 200886

Ion Ratio Lower Upper

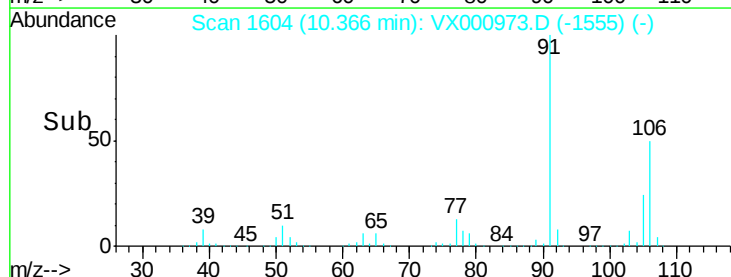
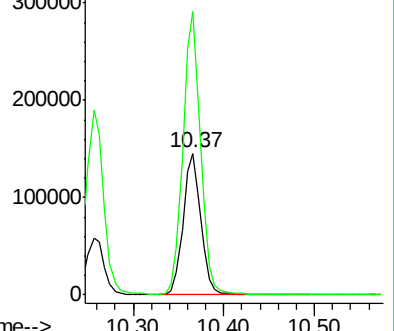
106 100

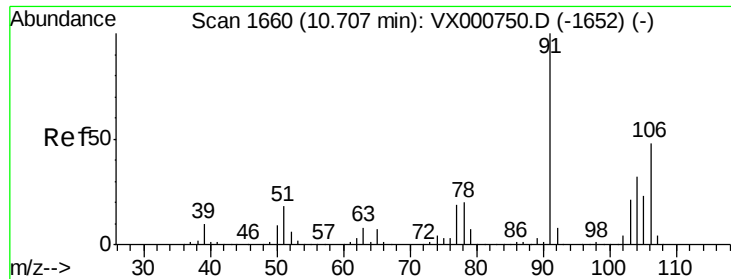
91 200.4 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

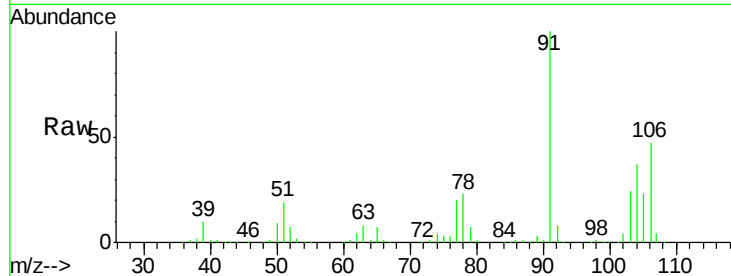




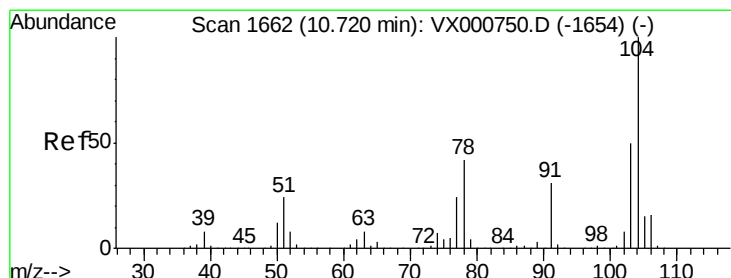
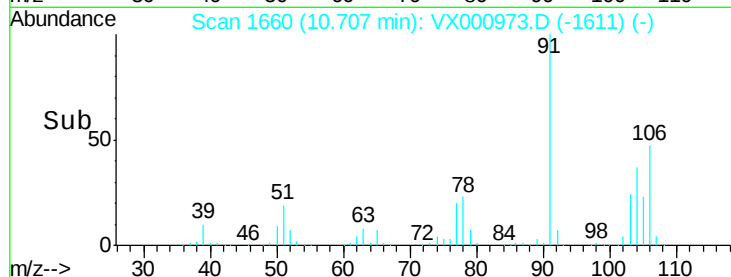
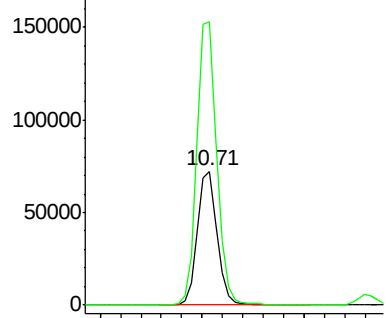
#69
o-Xylene
Concen: 18.257 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 96982
Ion Ratio Lower Upper
106 100
91 213.2 105.0 315.0

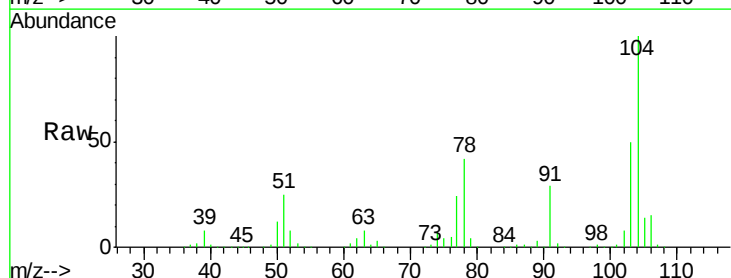


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

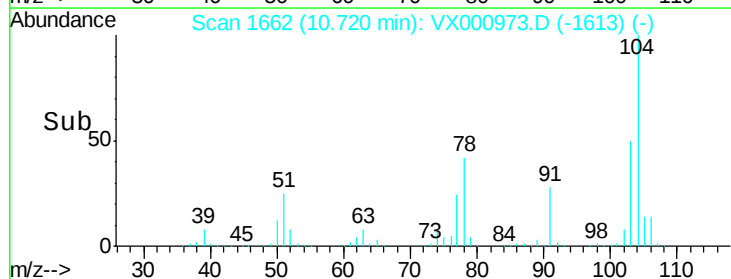
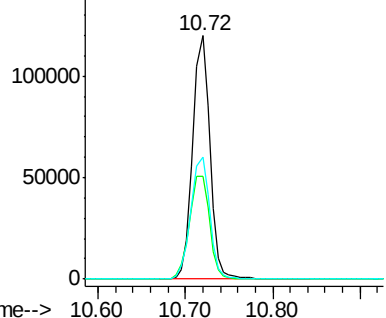


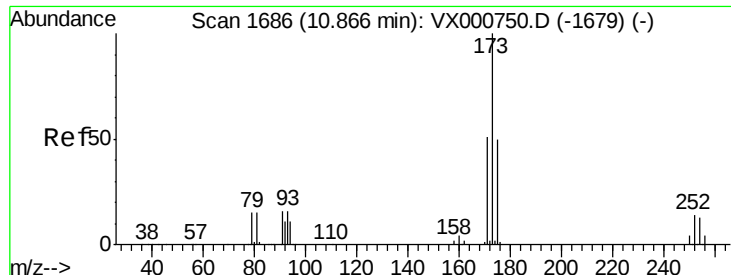
#70
Styrene
Concen: 18.215 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion:104 Resp: 163120
Ion Ratio Lower Upper
104 100
78 49.3 39.0 58.6
103 55.3 44.1 66.1



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





#71

Bromoform

Concen: 14.611 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

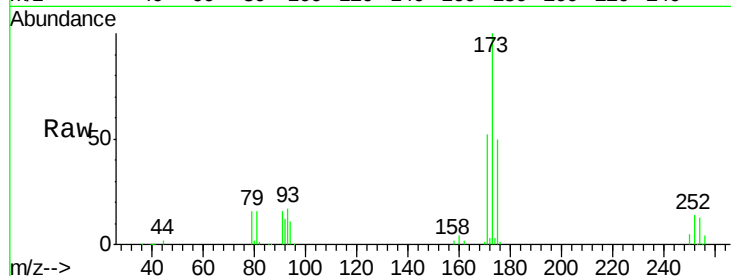
Tot Ion:173 Resp: 42647

Ion Ratio Lower Upper

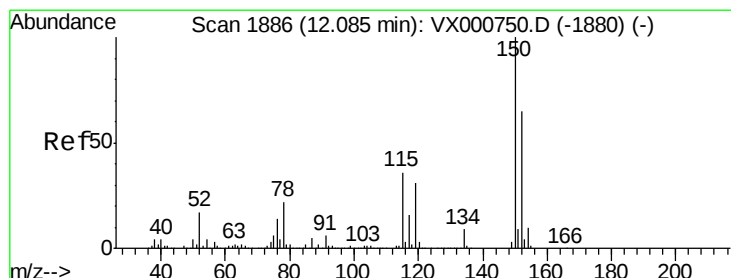
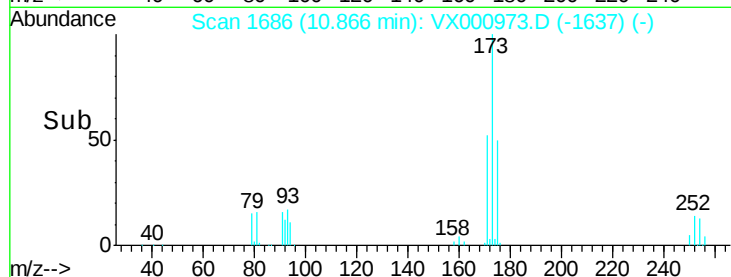
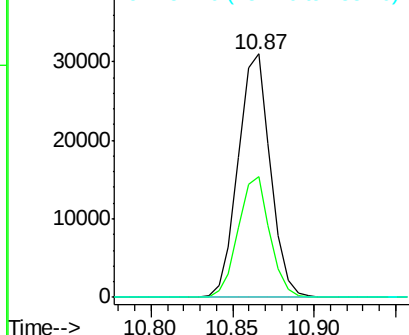
173 100

175 48.6 24.5 73.5

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

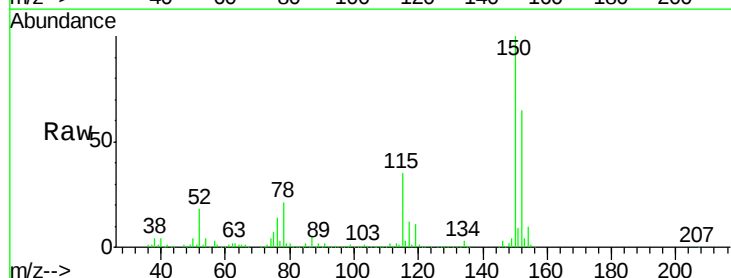
Tgt Ion:152 Resp: 224464

Ion Ratio Lower Upper

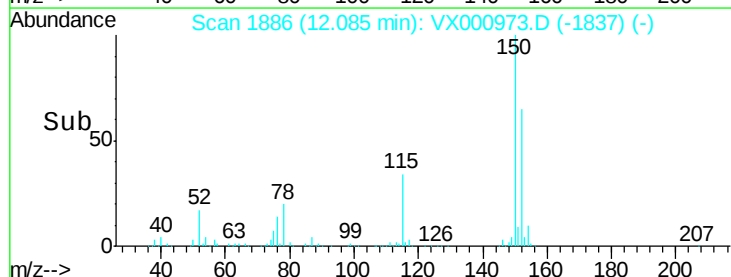
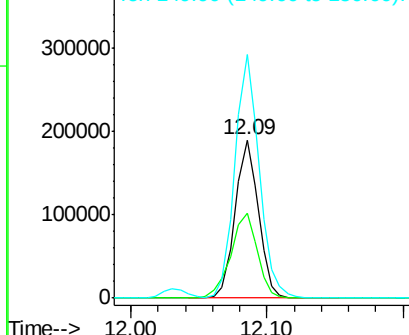
152 100

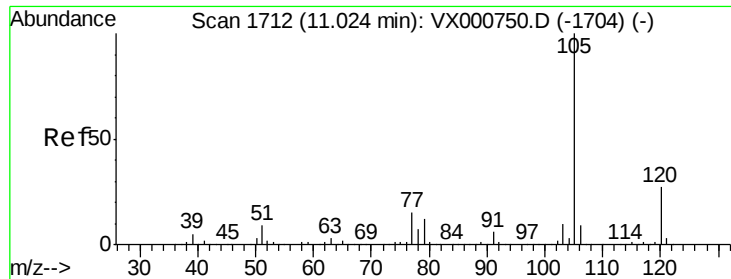
115 61.5 37.9 113.7

150 162.1 0.0 348.0



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





#73

Isopropylbenzene

Concen: 18.660 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

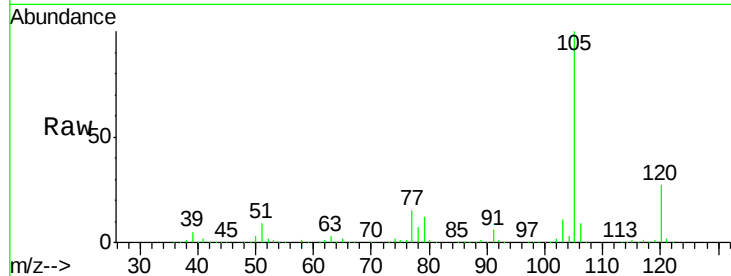
ClientSampleId :

Tot Ion:105 Resp: 265722

Ion Ratio Lower Upper

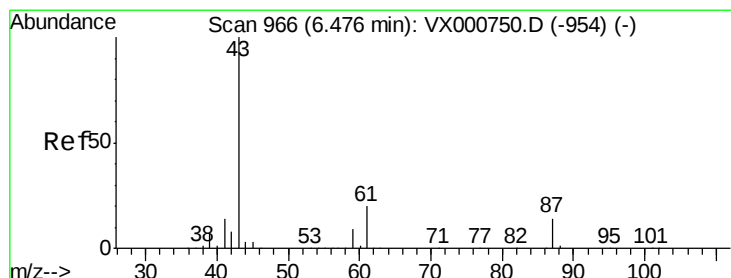
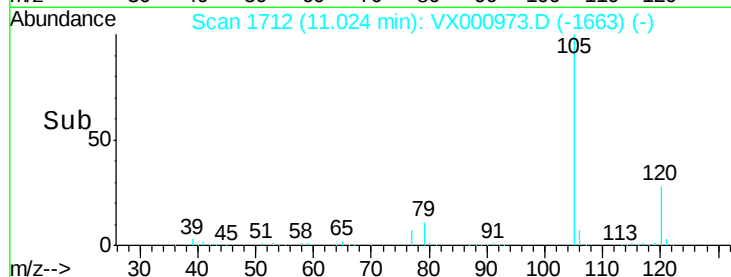
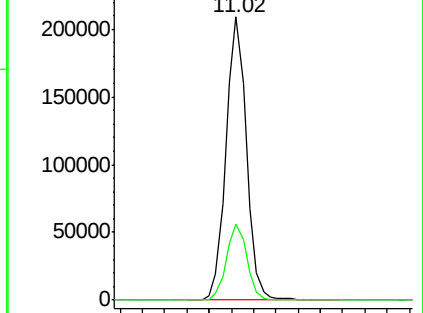
105 100

120 27.0 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.123 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Tgt Ion: 43 Resp: 116218

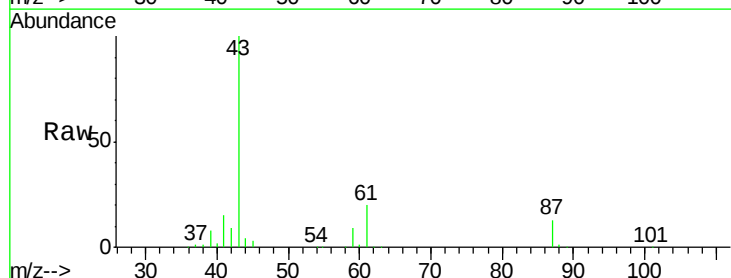
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.3 15.6 23.4

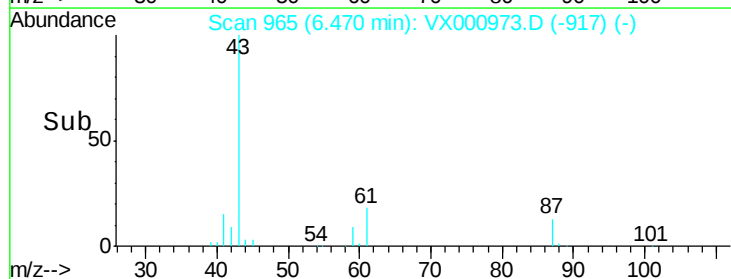
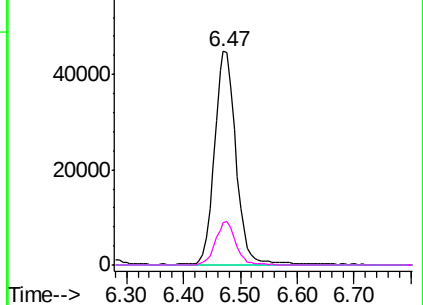


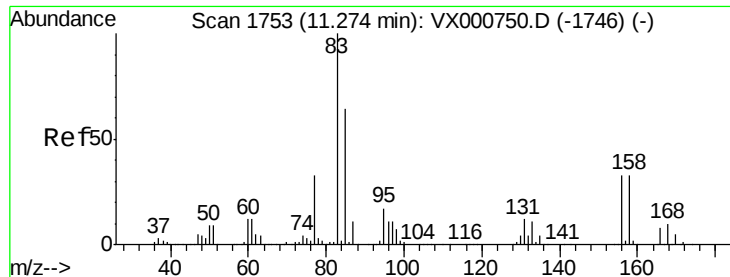
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.008 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

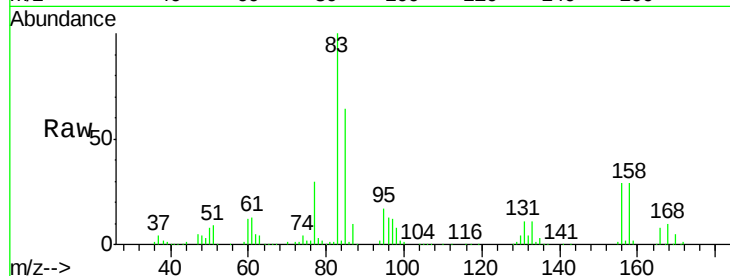
Tot Ion: 83 Resp: 78553

Ion Ratio Lower Upper

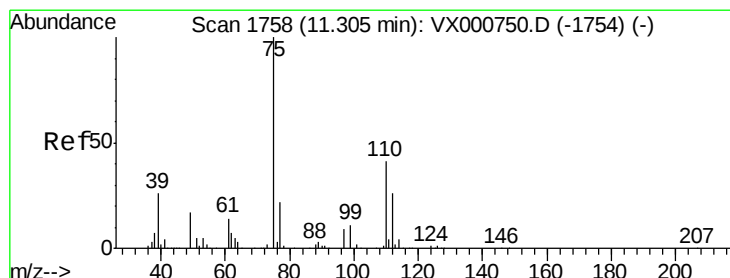
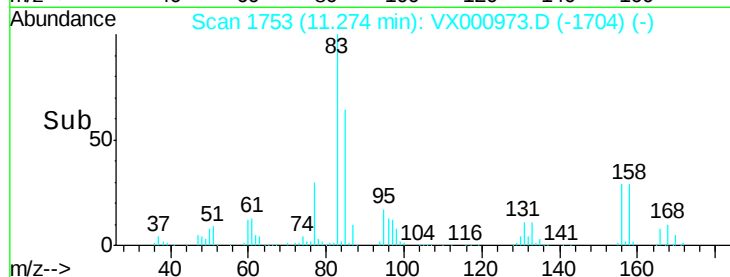
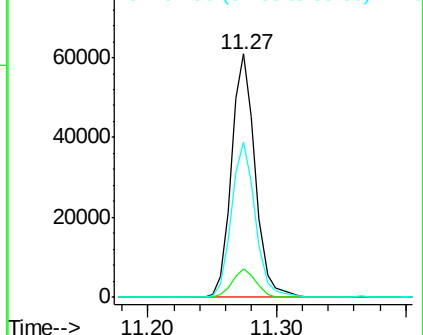
83 100

131 11.6 6.0 18.0

85 64.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.115 ug/l

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX000973.D

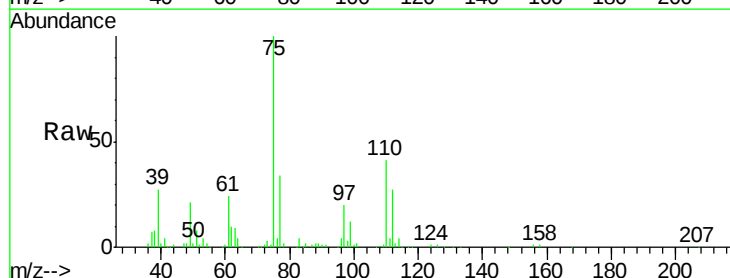
Acq: 17 Apr 2018 18:58

Tgt Ion: 75 Resp: 85610

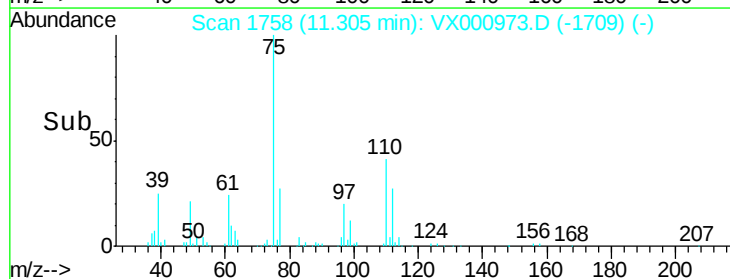
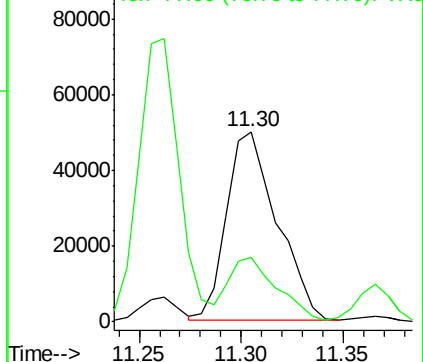
Ion Ratio Lower Upper

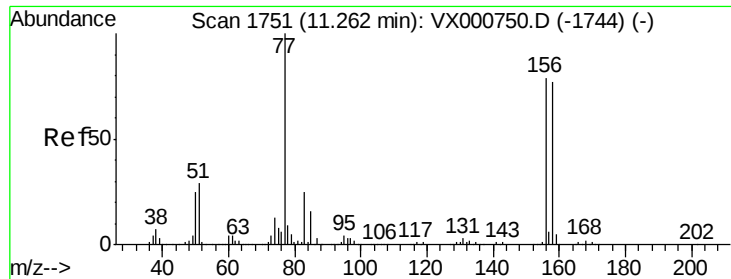
75 100

77 32.6 20.5 61.5



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





#77

Bromobenzene

Concen: 18.406 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

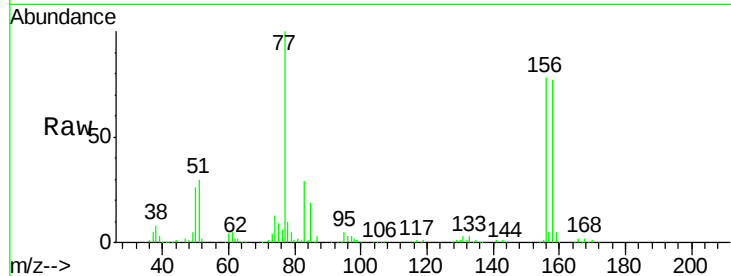
Tot Ion:156 Resp: 76810

Ion Ratio Lower Upper

156 100

77 134.2 66.0 198.2

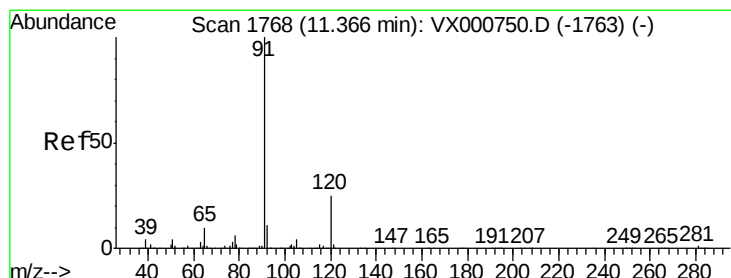
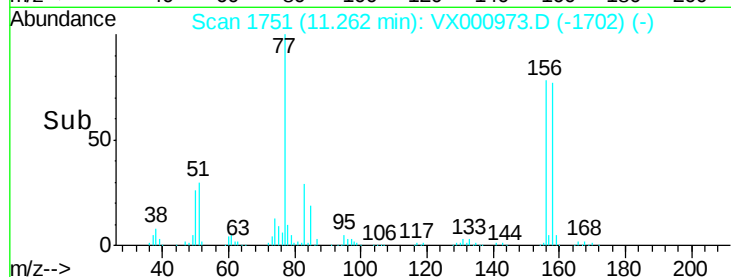
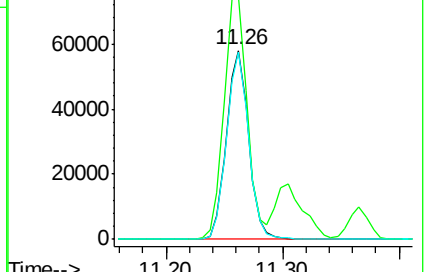
158 98.1 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.493 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000973.D

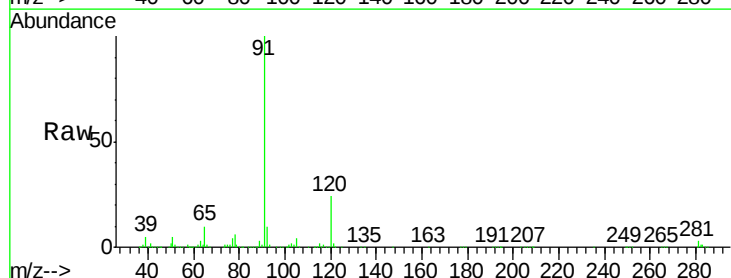
Acq: 17 Apr 2018 18:58

Tgt Ion: 91 Resp: 301223

Ion Ratio Lower Upper

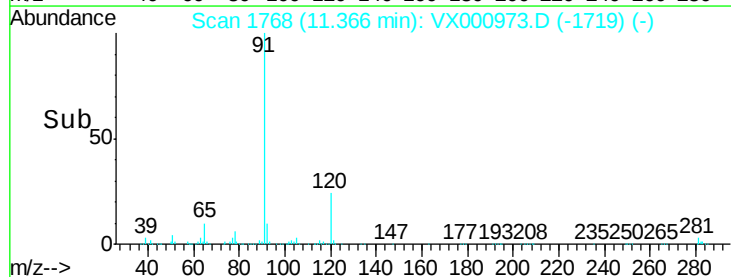
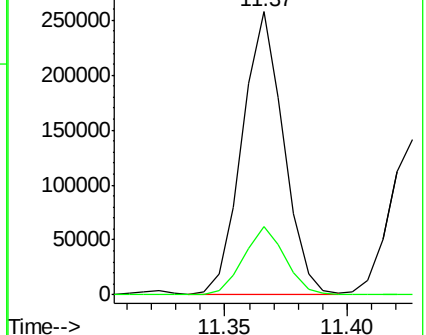
91 100

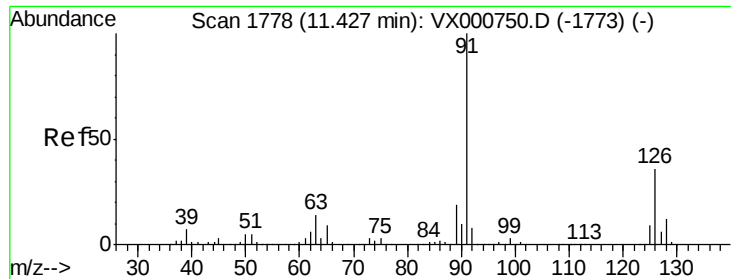
120 24.5 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

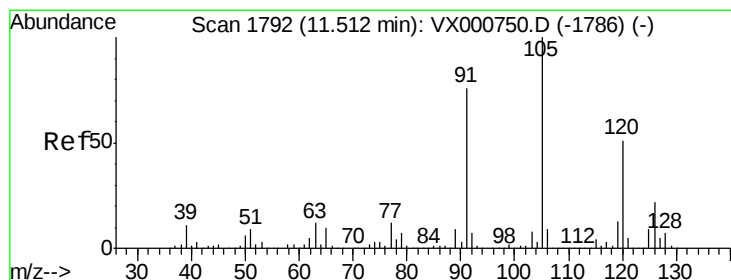
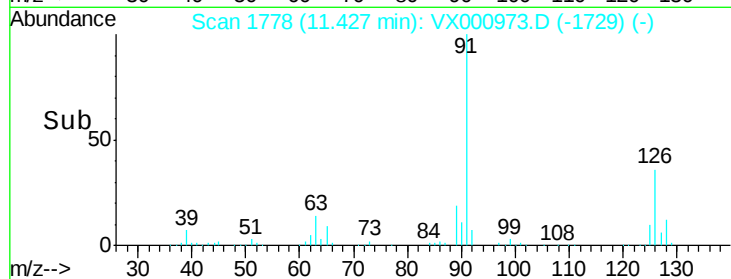
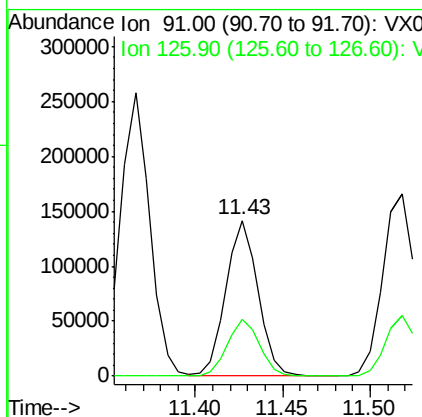
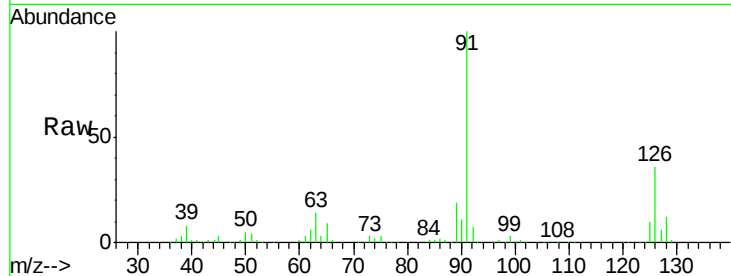




#79
 2-Chlorotoluene
 Concen: 18.624 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

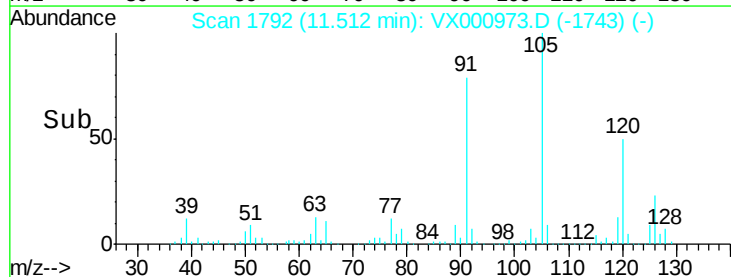
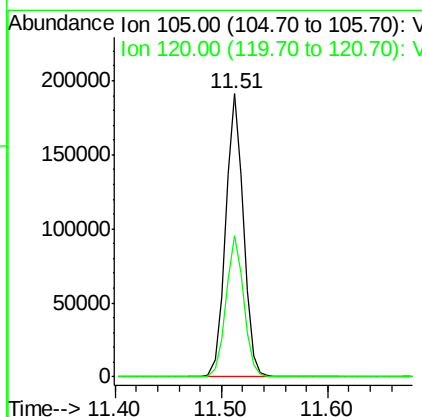
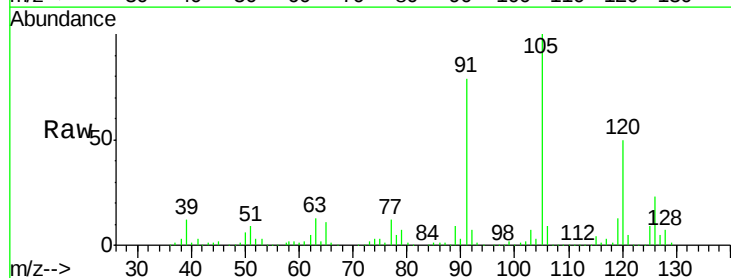
Instrument :
 MSVOA_X
 ClientSampleId :

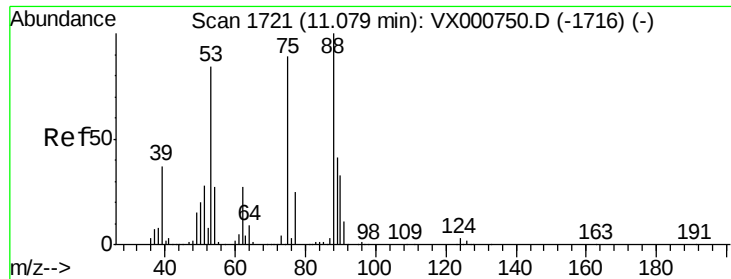
Tot Ion: 91 Resp: 179281
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.3 54.9



#80
 1,3,5-Trimethylbenzene
 Concen: 18.263 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Tgt Ion: 105 Resp: 223655
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.0 75.0

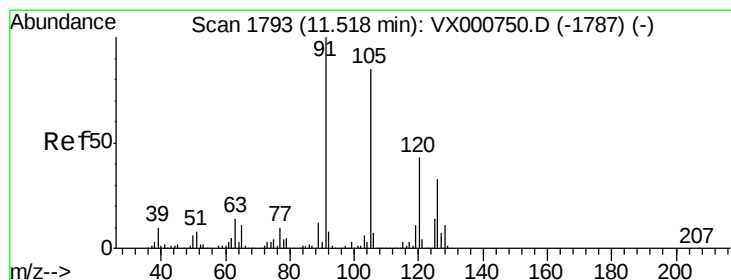
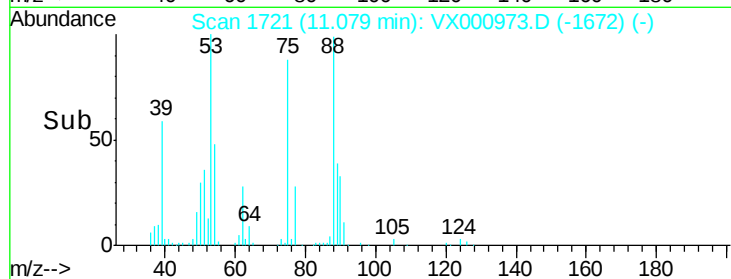
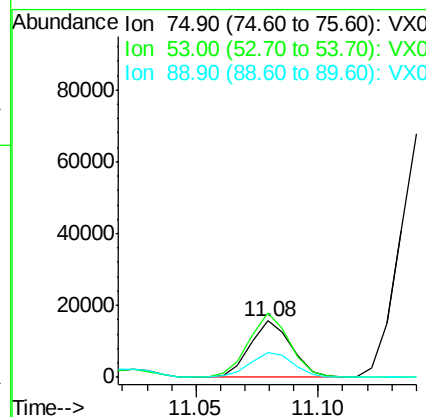
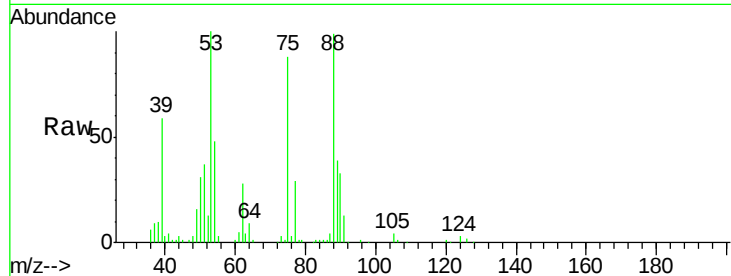




#81
trans-1,4-Dichloro-2-butene
Concen: 12.997 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

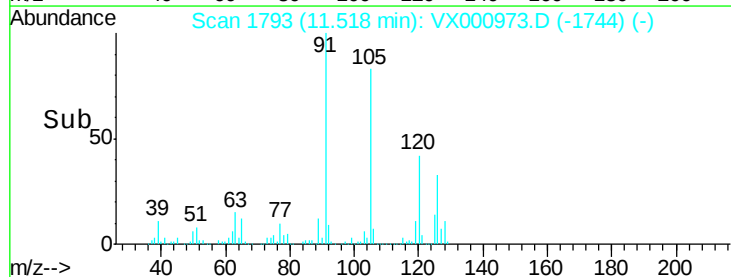
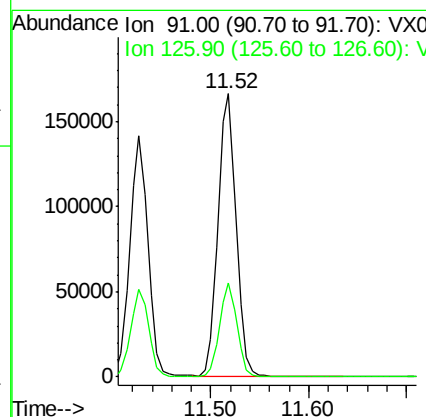
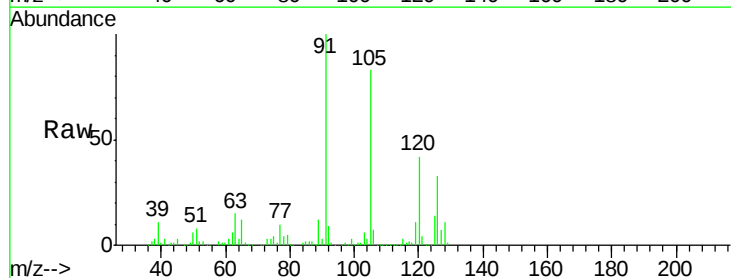
Instrument :
MSVOA_X
ClientSampled :

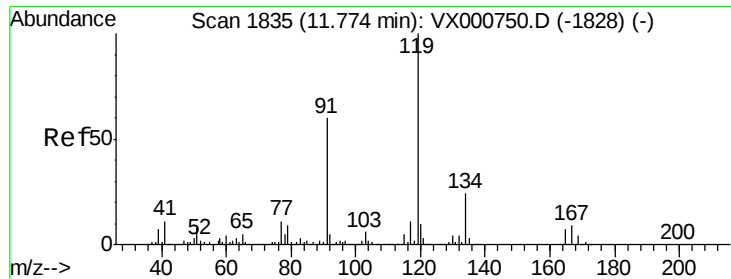
Tot Ion: 75 Resp: 18290
Ion Ratio Lower Upper
75 100
53 113.7 75.4 113.0#
89 46.8 40.9 61.3



#82
4-Chlorotoluene
Concen: 18.485 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion: 91 Resp: 214792
Ion Ratio Lower Upper
91 100
126 31.6 16.2 48.6

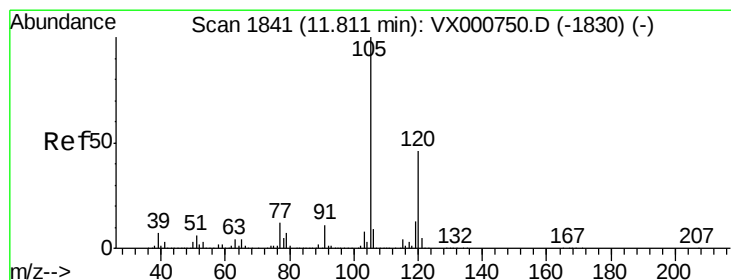
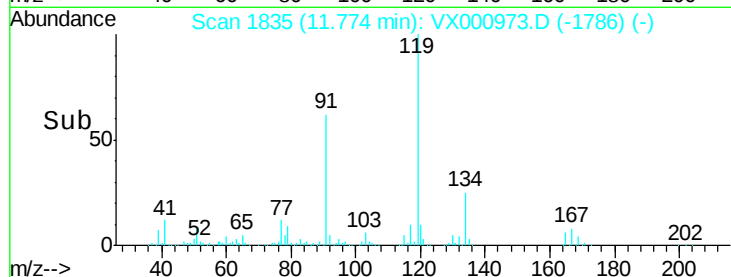
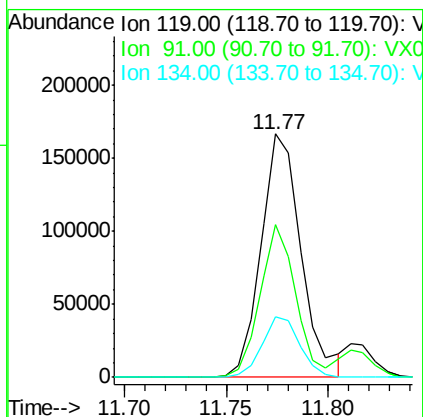
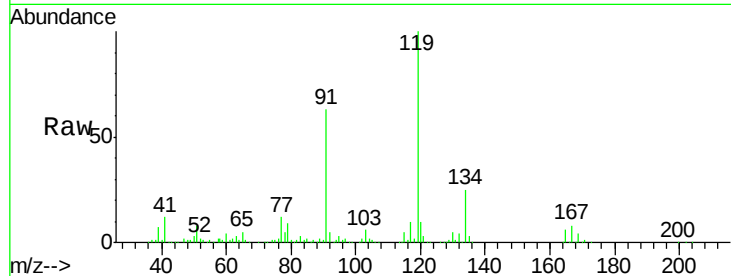




#83
tert-Butylbenzene
Concen: 18.216 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

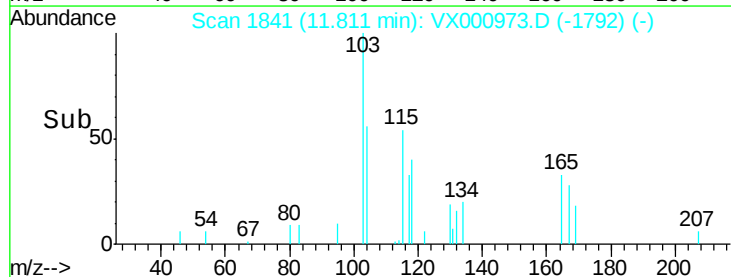
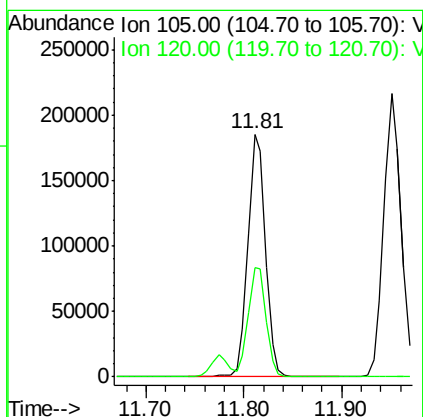
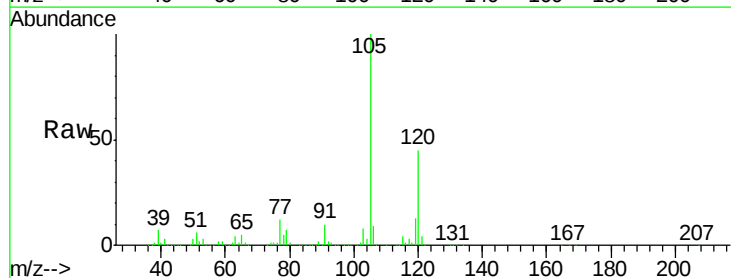
Instrument :
MSVOA_X
ClientSampled :

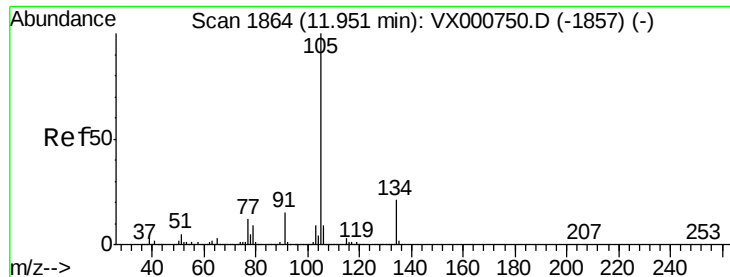
Tot Ion:119 Resp: 228223
Ion Ratio Lower Upper
119 100
91 55.8 26.8 80.3
134 23.5 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 18.302 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion:105 Resp: 231384
Ion Ratio Lower Upper
105 100
120 45.8 23.1 69.3





#85

sec-Butylbenzene

Concen: 18.051 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

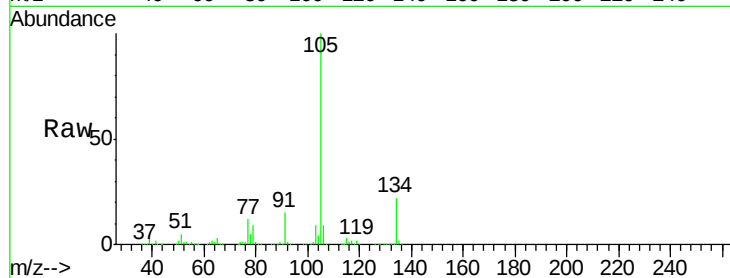
ClientSampleId :

Tot Ion:105 Resp: 266803

Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

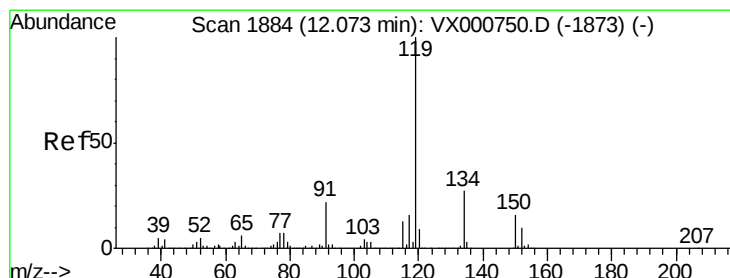
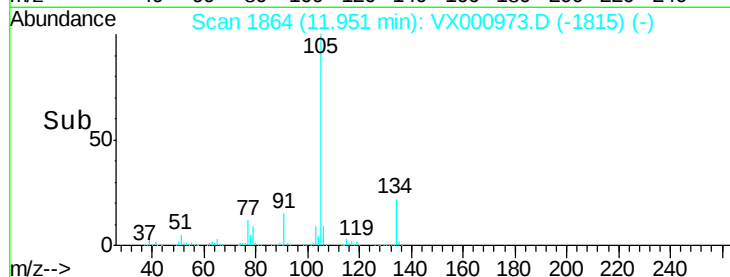
100000

50000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 17.854 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

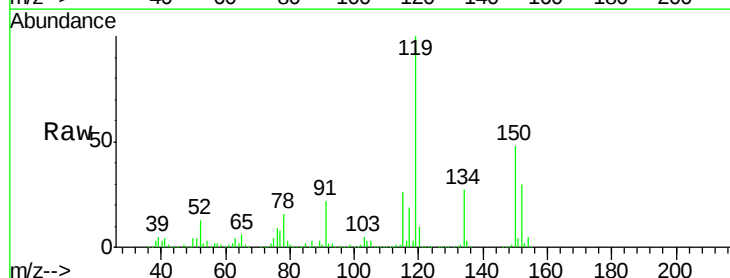
Tgt Ion:119 Resp: 246089

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 22.8 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

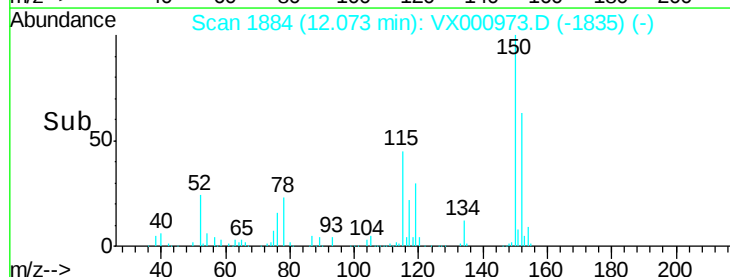
100000

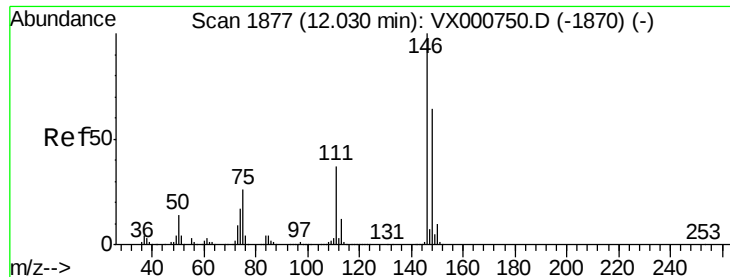
50000

0

12.00 12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.620 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

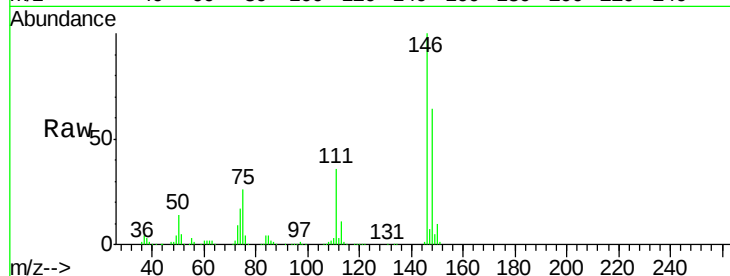
Tot Ion:146 Resp: 143822

Ion Ratio Lower Upper

146 100

111 36.2 18.3 54.8

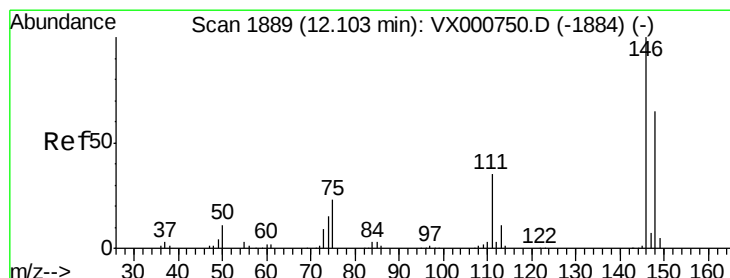
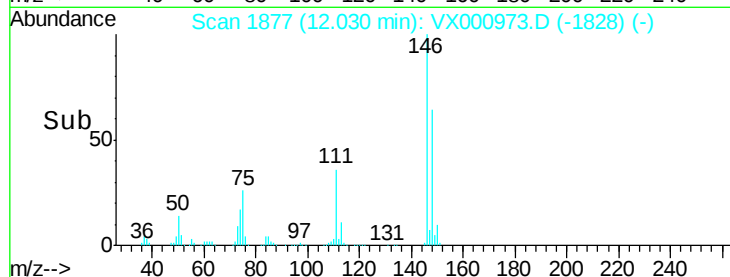
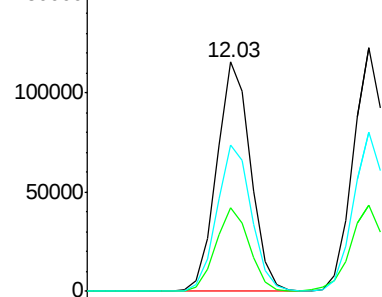
148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.434 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

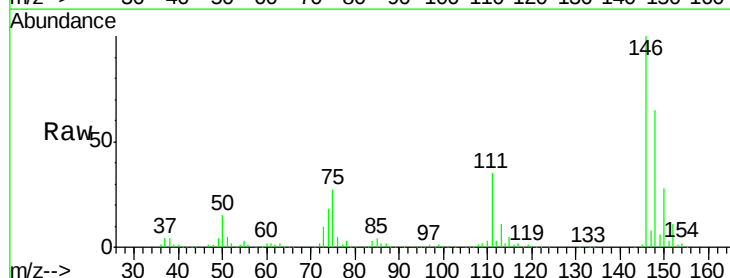
Tgt Ion:146 Resp: 145921

Ion Ratio Lower Upper

146 100

111 37.0 17.9 53.8

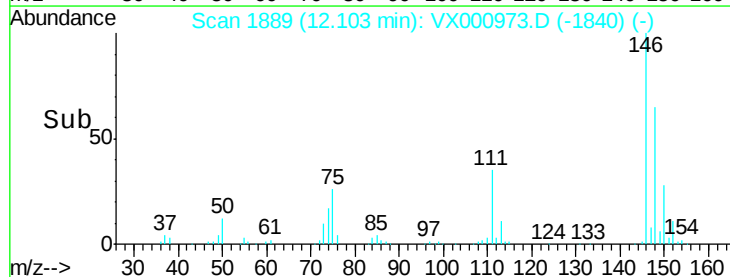
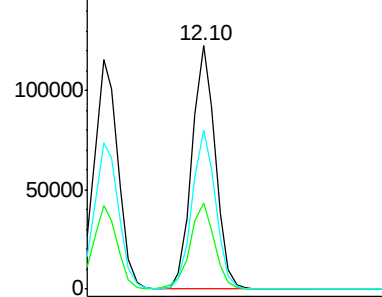
148 65.5 32.6 97.7

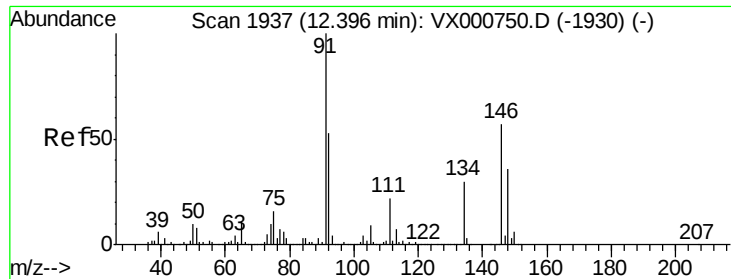


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

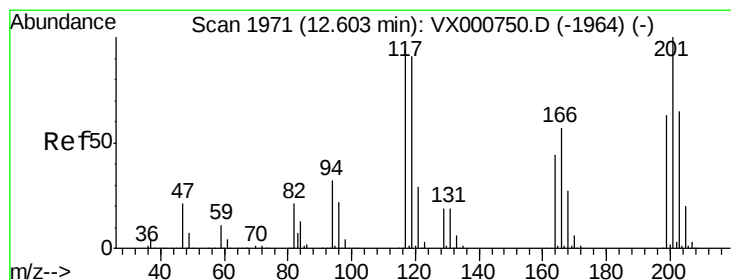
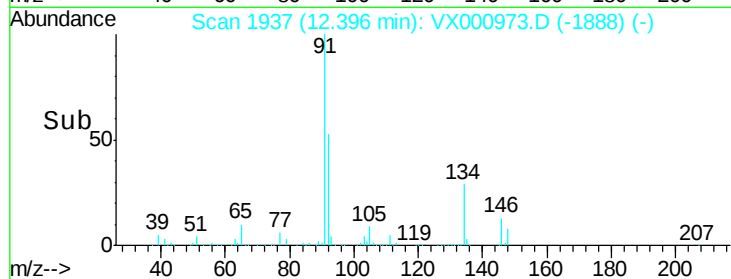
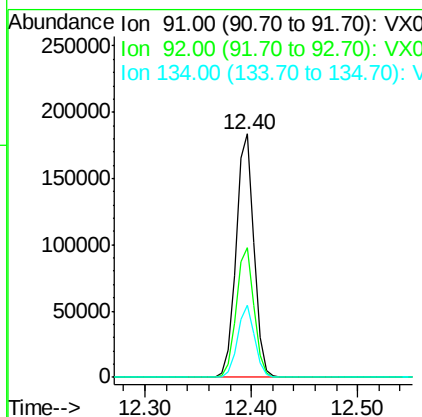
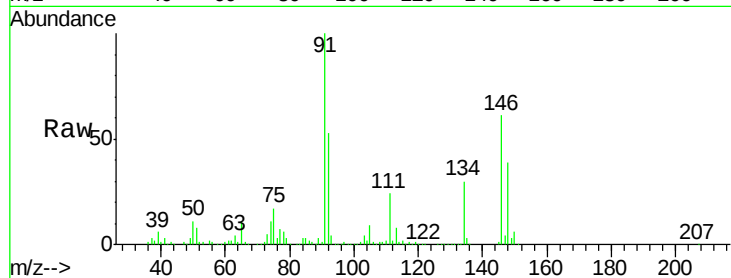




#89
n-Butylbenzene
Concen: 17.694 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

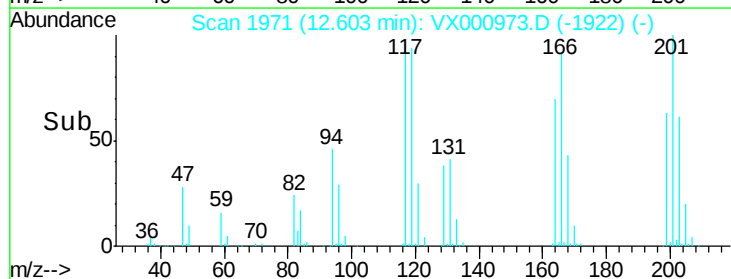
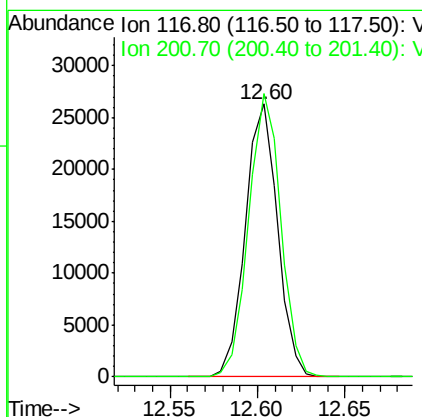
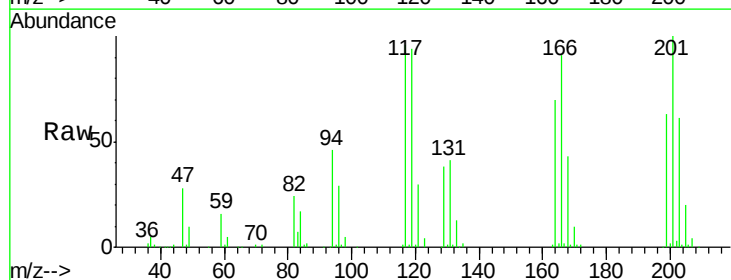
Instrument :
MSVOA_X
ClientSampleId :

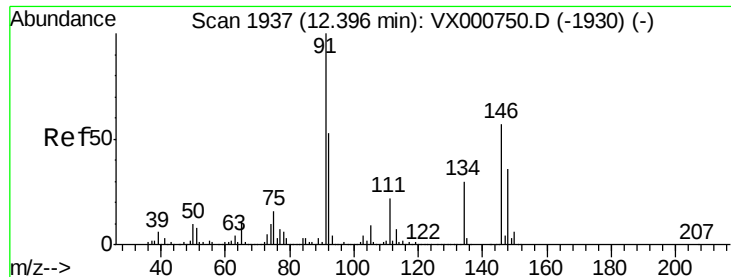
Tot Ion: 91 Resp: 215258
Ion Ratio Lower Upper
91 100
92 52.7 26.5 79.5
134 28.4 14.5 43.5



#90
Hexachloroethane
Concen: 14.436 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000973.D
Acq: 17 Apr 2018 18:58

Tgt Ion: 117 Resp: 33669
Ion Ratio Lower Upper
117 100
201 103.4 52.9 158.7

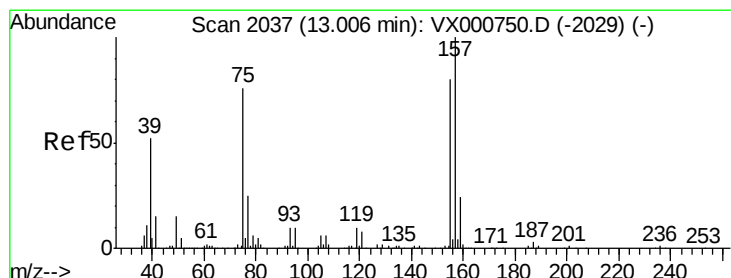
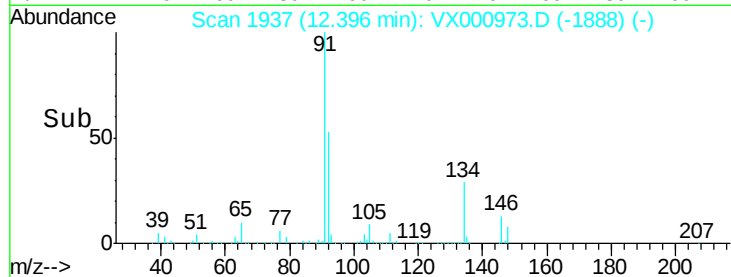
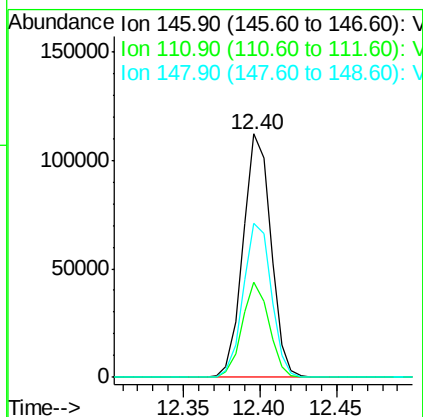
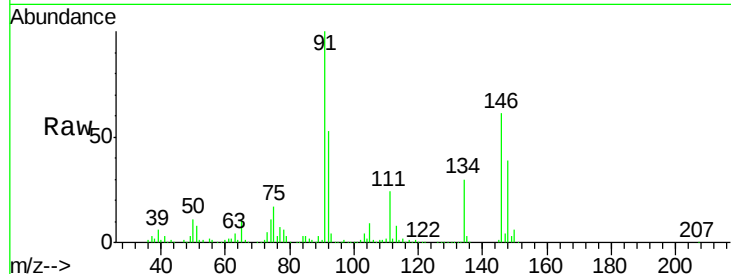




#91
 1,2-Dichlorobenzene
 Concen: 18.998 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

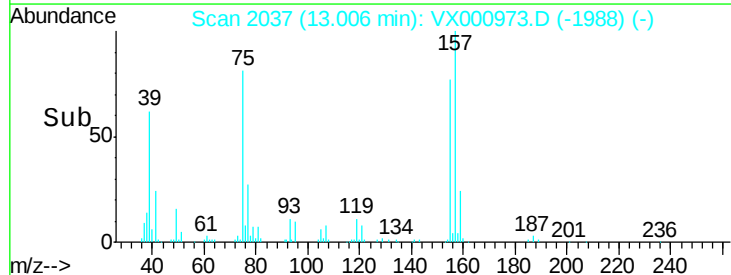
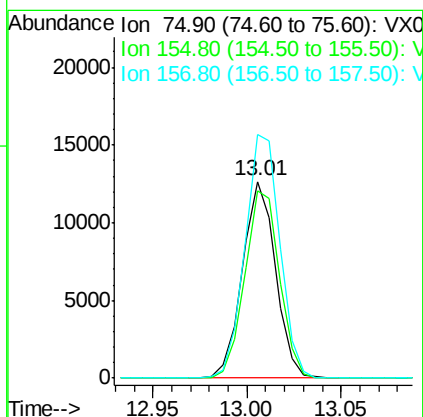
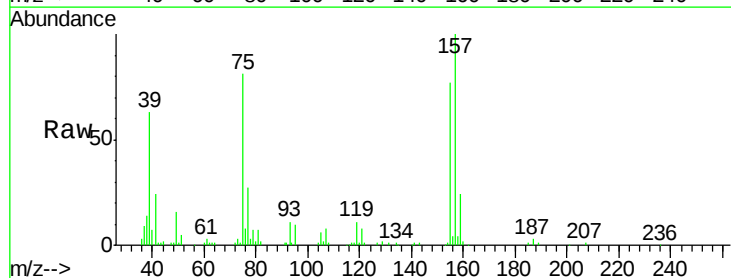
Instrument :
 MSVOA_X
 ClientSampleId :

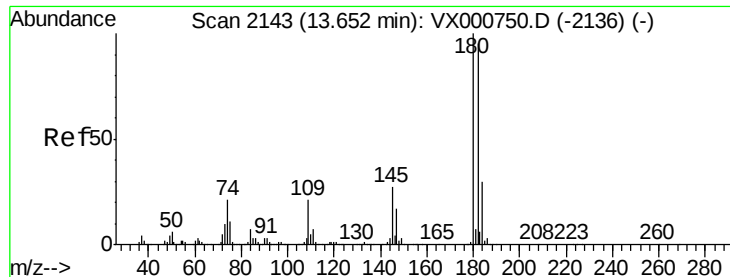
Tot Ion:146 Resp: 141666
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.7
 148 64.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.865 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000973.D
 Acq: 17 Apr 2018 18:58

Tgt Ion: 75 Resp: 15392
 Ion Ratio Lower Upper
 75 100
 155 99.8 51.9 155.8
 157 130.7 66.6 199.8





#93

1,2,4-Trichlorobenzene

Concen: 17.826 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

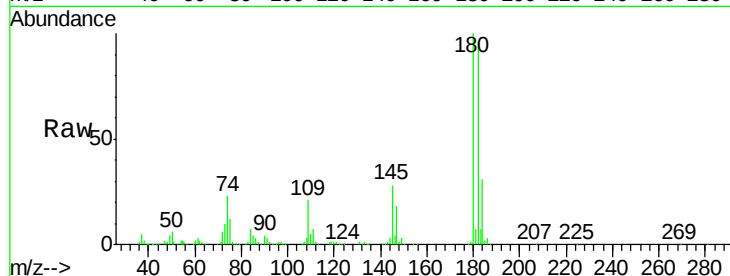
Tot Ion:180 Resp: 113425

Ion Ratio Lower Upper

180 100

182 96.3 47.5 142.5

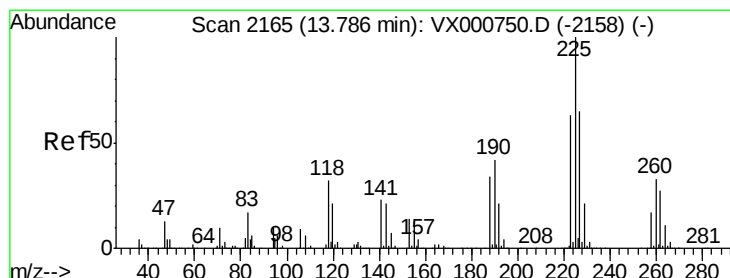
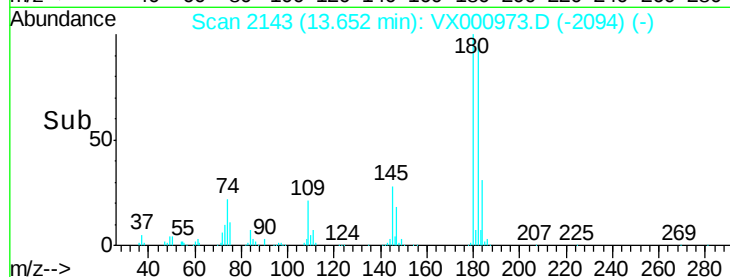
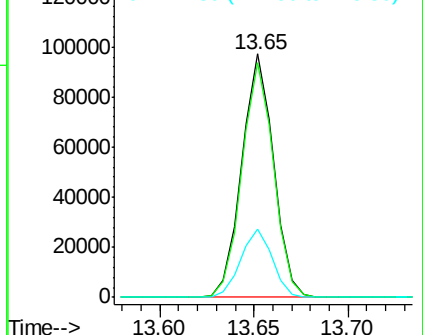
145 27.9 13.8 41.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 15.446 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

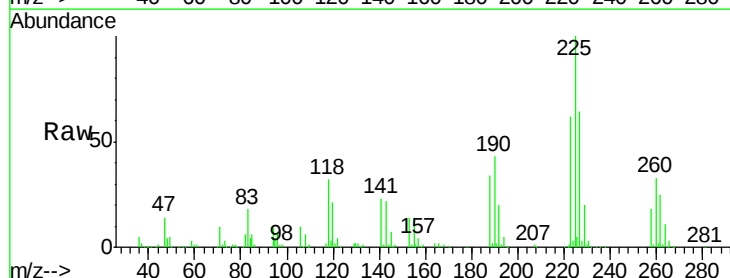
Tgt Ion:225 Resp: 48327

Ion Ratio Lower Upper

225 100

223 60.9 31.2 93.6

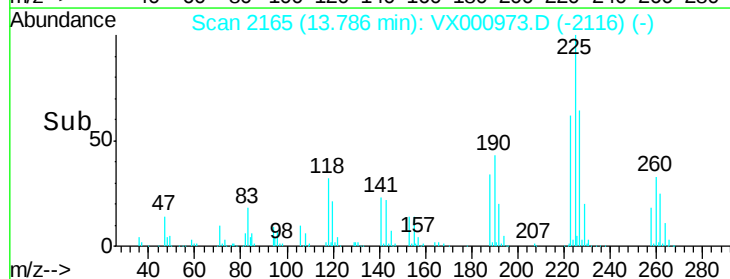
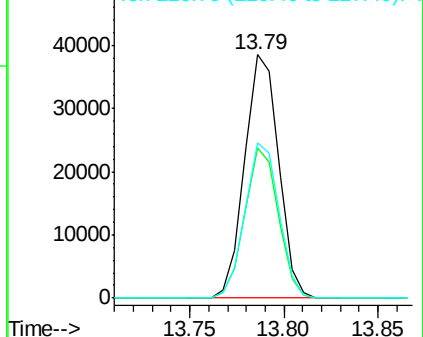
227 63.8 32.3 96.9

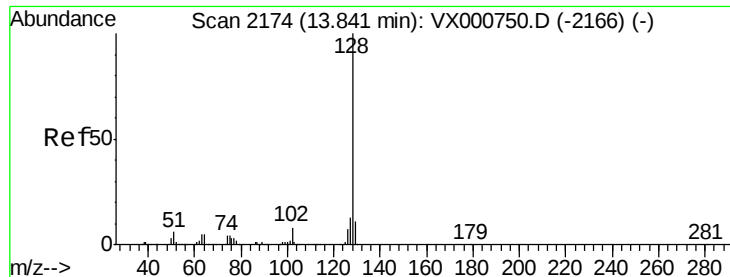


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.131 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

Instrument :

MSVOA_X

ClientSampleId :

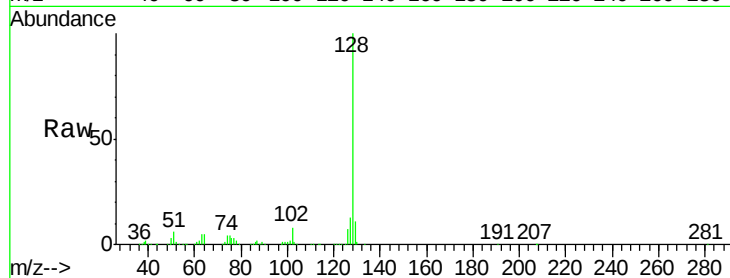
Tot Ion:128 Resp: 296129

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

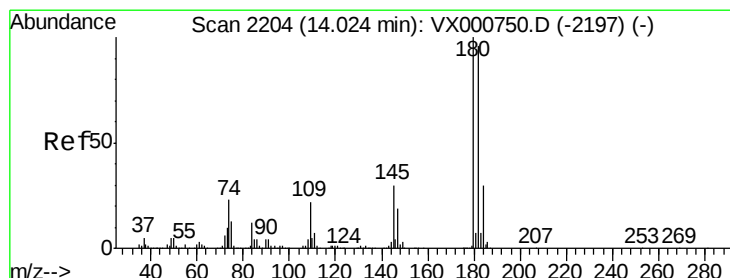
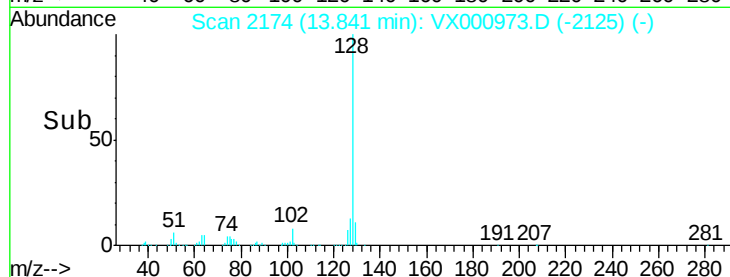
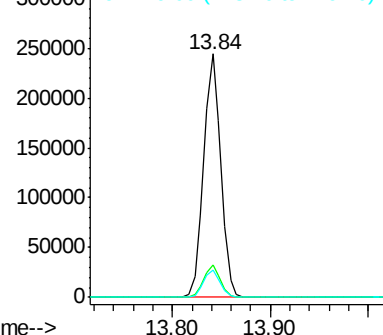
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.837 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX000973.D

Acq: 17 Apr 2018 18:58

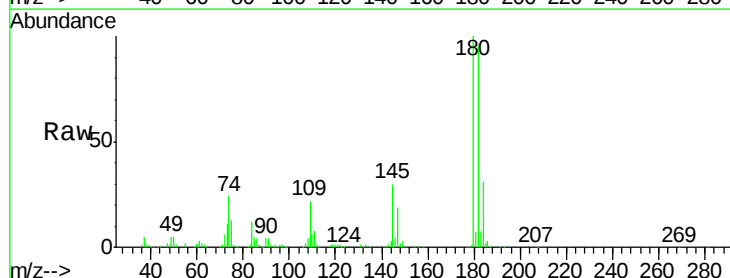
Tgt Ion:180 Resp: 110238

Ion Ratio Lower Upper

180 100

182 96.4 48.4 145.2

145 29.4 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

