

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002901.D
 Acq On : 26 Jun 2018 17:02
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 02:39:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	366013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	355862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180464	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	5.51	113	145010	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	8.72	98	529734	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	204392	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	108811	46.01	ug/l	99
3) Chloromethane	1.32	50	114877	46.73	ug/l	97
4) Vinyl Chloride	1.41	62	132550	44.27	ug/l	95
5) Bromomethane	1.64	94	56112	39.58	ug/l	98
6) Chloroethane	1.71	64	85220	48.45	ug/l	99
7) Trichlorofluoromethane	1.93	101	233570	46.25	ug/l	99
8) Diethyl Ether	2.19	74	86940	47.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	131616	44.98	ug/l	98
10) Methyl Iodide	2.51	142	107588	37.97	ug/l	99
11) Tert butyl alcohol	3.08	59	182230	250.00	ug/l	100
12) 1,1-Dichloroethene	2.37	96	119491	45.77	ug/l	94
13) Acrolein	2.29	56	102543	253.69	ug/l	100
14) Allyl chloride	2.73	41	244264	47.46	ug/l	99
15) Acrylonitrile	3.15	53	383475	246.30	ug/l	99
16) Acetone	2.45	43	369901	244.11	ug/l	99
17) Carbon Disulfide	2.57	76	313071	45.01	ug/l	98
18) Methyl Acetate	2.78	43	223355	52.72	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	452713	48.23	ug/l	99
20) Methylene Chloride	2.86	84	136252	46.21	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	128662	45.25	ug/l	95
22) Diisopropyl ether	3.88	45	472851	48.07	ug/l	99
23) Vinyl Acetate	3.83	43	1999862	240.08	ug/l	99
24) 1,1-Dichloroethane	3.70	63	249519	46.67	ug/l	99
25) 2-Butanone	4.71	43	559611	248.84	ug/l	99
26) 2,2-Dichloropropane	4.59	77	195637	45.00	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	149435	46.87	ug/l	96
28) Bromochloromethane	5.02	49	128651	50.27	ug/l	95
29) Tetrahydrofuran	5.17	42	352993	244.77	ug/l	97
30) Chloroform	5.22	83	265985	48.47	ug/l	96
31) Cyclohexane	5.57	56	212629	46.34	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	234414	48.55	ug/l	99
36) 1,1-Dichloropropene	5.80	75	185681	46.26	ug/l	99
37) Ethyl Acetate	4.87	43	212673	49.21	ug/l	99
38) Carbon Tetrachloride	5.79	117	209195	47.49	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	217020	46.42	ug/l	97
40) Benzene	6.15	78	557032	47.76	ug/l	99
41) Methacrylonitrile	5.07	41	123533	49.64	ug/l	99
42) 1,2-Dichloroethane	6.20	62	222722	47.28	ug/l	100
43) Isopropyl Acetate	6.47	43	350370	48.34	ug/l	99
44) Trichloroethene	7.22	130	160663	46.21	ug/l	97
45) 1,2-Dichloropropane	7.52	63	149463	48.31	ug/l	99
46) Dibromomethane	7.67	93	102127	47.57	ug/l	97
47) Bromodichloromethane	7.90	83	198581	50.03	ug/l	98
48) Methyl methacrylate	7.78	41	185398	49.64	ug/l	98
49) 1,4-Dioxane	7.76	88	71298	981.27	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1153027	254.26	ug/l	99
52) Toluene	8.79	92	364442	48.78	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	228373	50.81	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	214946	49.70	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	149950	48.84	ug/l	98
56) Ethyl methacrylate	9.18	69	224666	50.07	ug/l	97
57) 1,3-Dichloropropane	9.38	76	243233	48.24	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	569141	262.93	ug/l	99
59) 2-Hexanone	9.50	43	887029	257.37	ug/l	98
60) Dibromochloromethane	9.59	129	164680	50.96	ug/l	100
61) 1,2-Dibromoethane	9.68	107	157835	49.01	ug/l	100
64) Tetrachloroethene	9.34	164	180067	45.51	ug/l	100
65) Chlorobenzene	10.14	112	420595	46.53	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	158012	48.12	ug/l	100
67) Ethyl Benzene	10.26	91	722500	48.39	ug/l	98
68) m/p-Xylenes	10.36	106	558415	97.04	ug/l	99
69) o-Xylene	10.70	106	272191	48.58	ug/l	100
70) Styrene	10.71	104	451639	49.60	ug/l	99
71) Bromoform	10.86	173	130033	44.31	ug/l	99
73) Isopropylbenzene	11.02	105	746492	48.80	ug/l	100
74) N-amyl acetate	6.47	43	350370	46.81	ug/l #	99
75) 1,1,1,2-Tetrachloroethane	11.27	83	229714	48.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	262097	63.64	ug/l	80
77) Bromobenzene	11.26	156	206098	47.31	ug/l	98
78) n-propylbenzene	11.37	91	849936	48.81	ug/l	99
79) 2-Chlorotoluene	11.43	91	499972	47.43	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	632546	49.10	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	61391	43.70	ug/l	99
82) 4-Chlorotoluene	11.51	91	601748	48.22	ug/l	100
83) tert-Butylbenzene	11.77	119	629331	49.56	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	652184	48.86	ug/l	98
85) sec-Butylbenzene	11.95	105	757793	49.20	ug/l	100
86) p-Isopropyltoluene	12.07	119	681710	49.23	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	378531	47.58	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	380461	46.47	ug/l	99
89) n-Butylbenzene	12.39	91	593237	49.22	ug/l	100
90) Hexachloroethane	12.60	117	100332	48.71	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	382077	47.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52428	49.49	ug/l	99

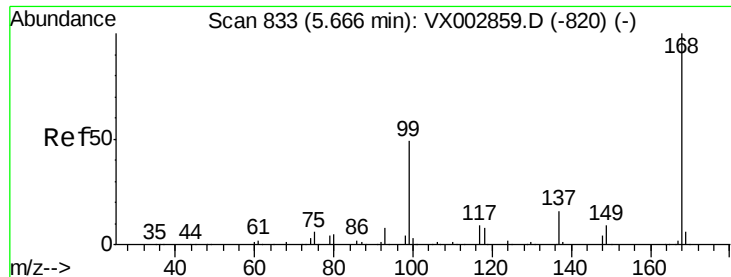
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	280682	48.03	ug/l	99
94) Hexachlorobutadiene	13.79	225	138132	47.39	ug/l	99
95) Naphthalene	13.84	128	789441	50.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	287156	49.19	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

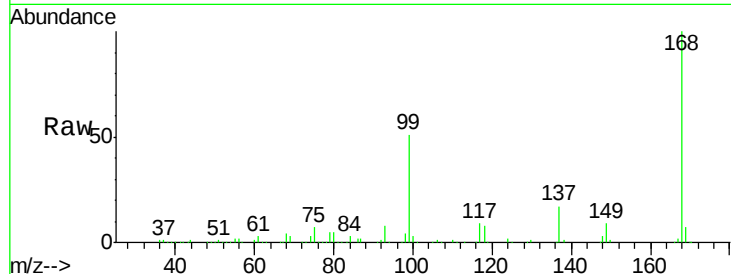
ClientSampleId :

Tot Ion:168 Resp: 264727

Ion Ratio Lower Upper

168 100

99 50.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

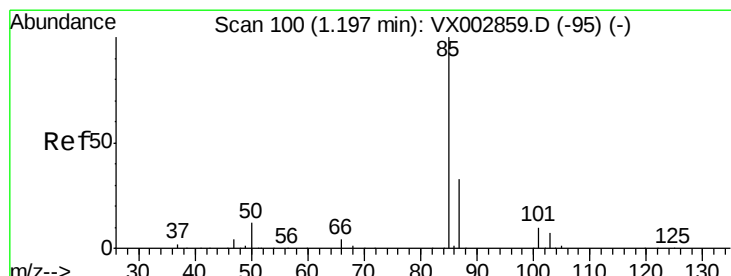
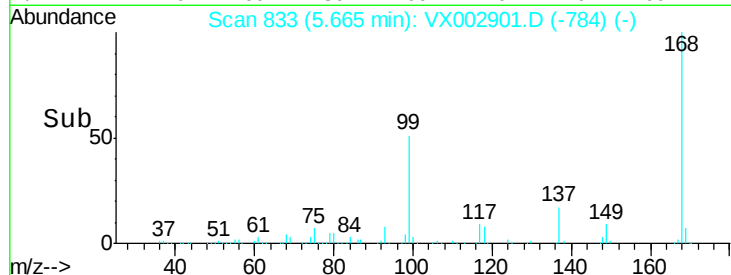
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.01 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002901.D

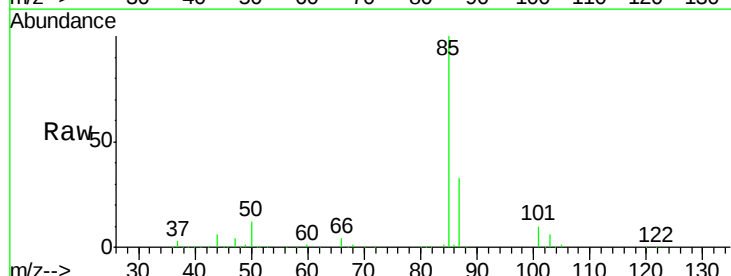
Acq: 26 Jun 2018 17:02

Tgt Ion: 85 Resp: 108811

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

40000

20000

0

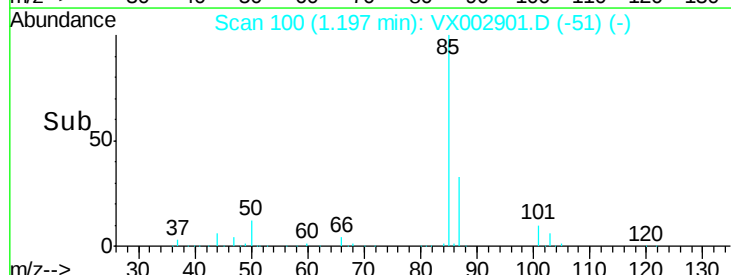
1.15

1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 46.73 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

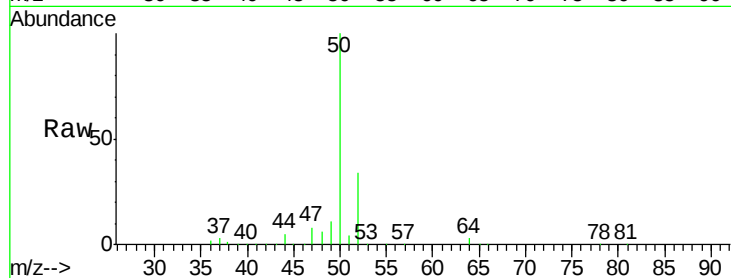
ClientSampled :

Tot Ion: 50 Resp: 114877

Ion Ratio Lower Upper

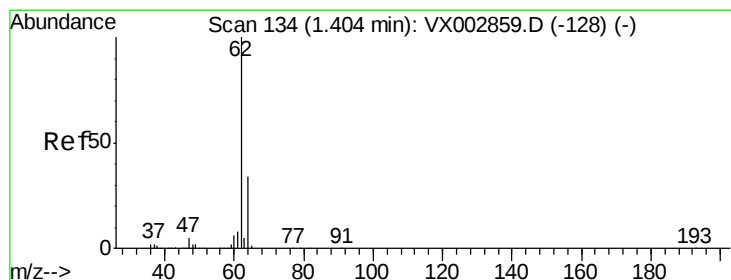
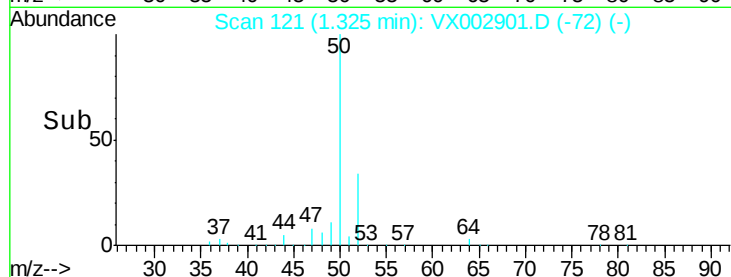
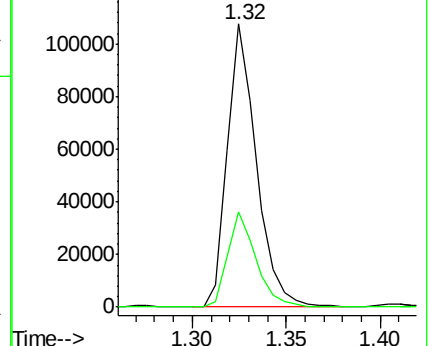
50 100

52 33.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.27 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002901.D

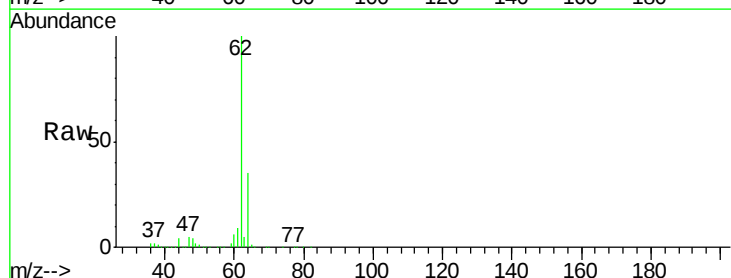
Acq: 26 Jun 2018 17:02

Tgt Ion: 62 Resp: 132550

Ion Ratio Lower Upper

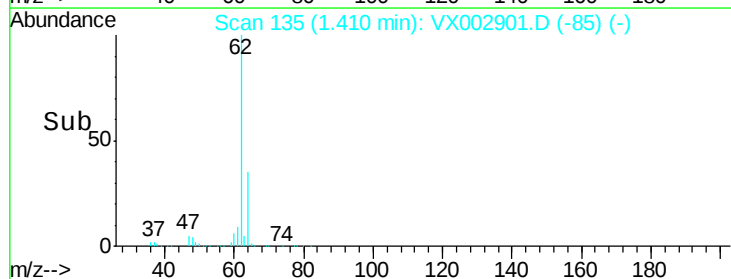
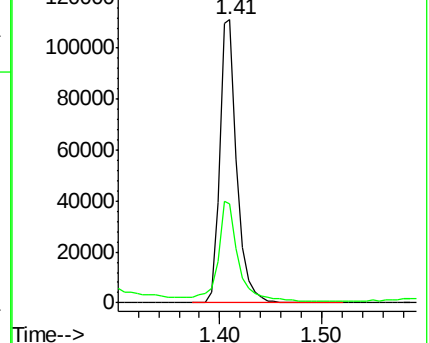
62 100

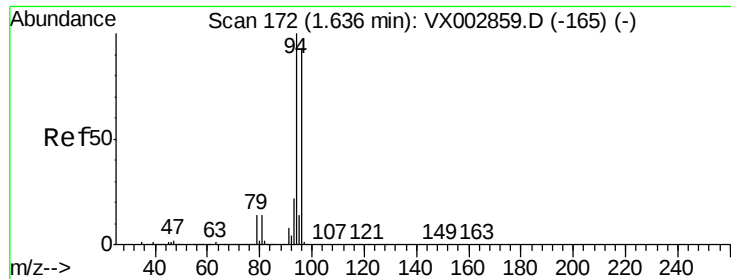
64 34.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 39.58 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

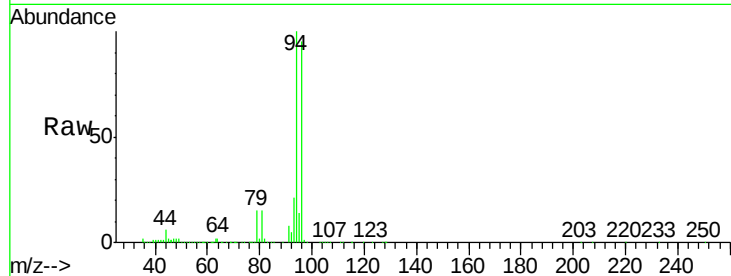
ClientSampleId :

Tot Ion: 94 Resp: 56112

Ion Ratio Lower Upper

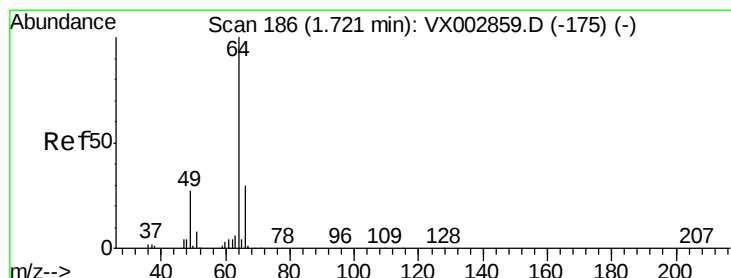
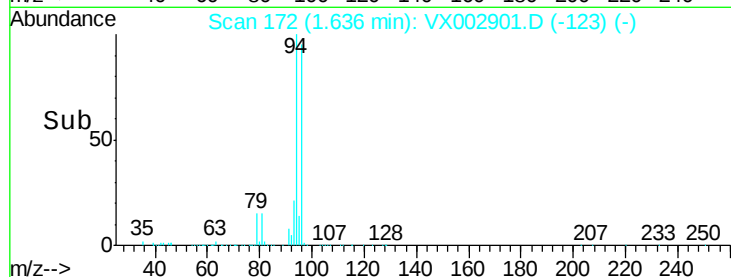
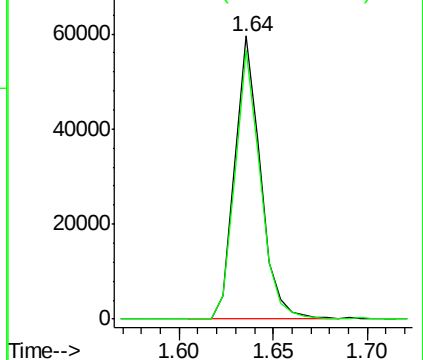
94 100

96 95.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.45 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002901.D

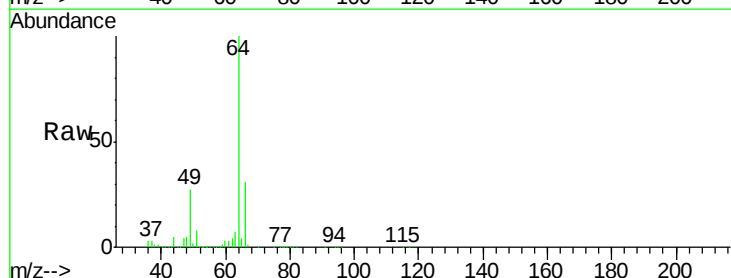
Acq: 26 Jun 2018 17:02

Tgt Ion: 64 Resp: 85220

Ion Ratio Lower Upper

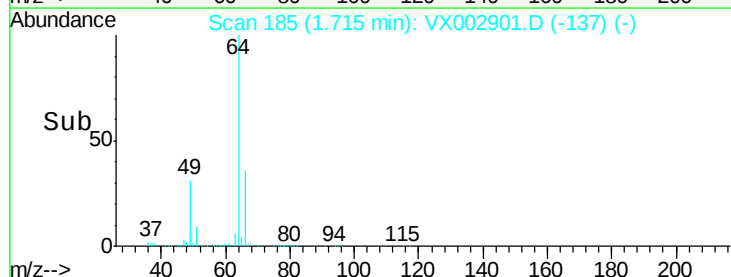
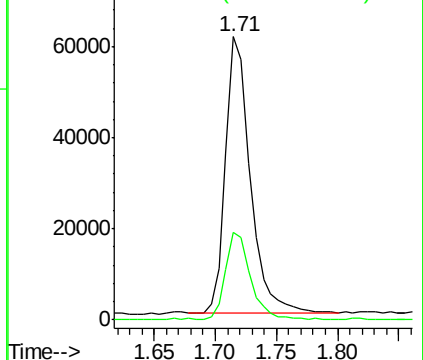
64 100

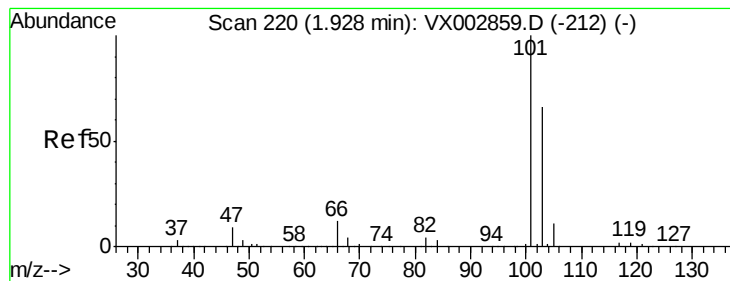
66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



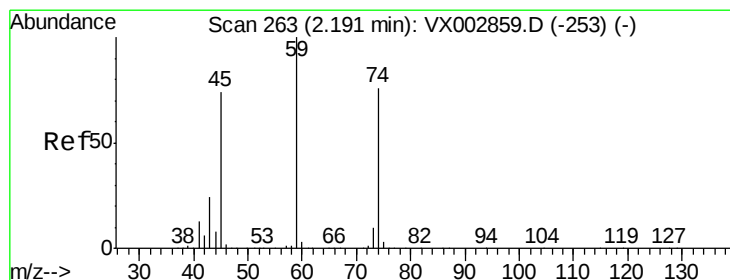
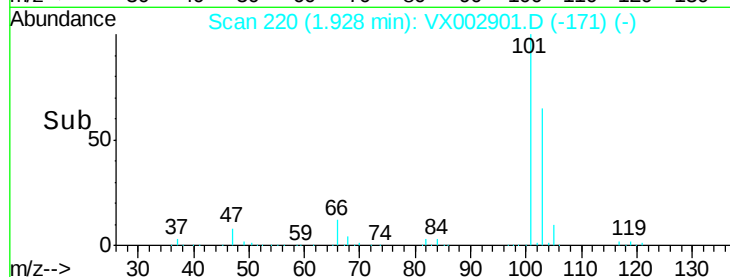
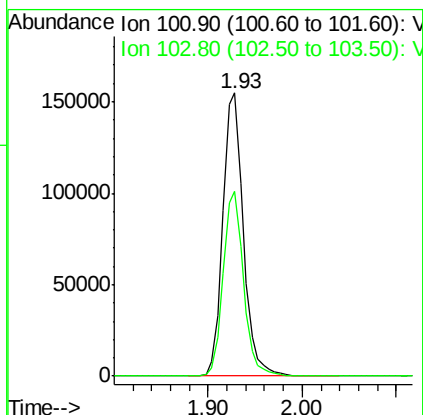
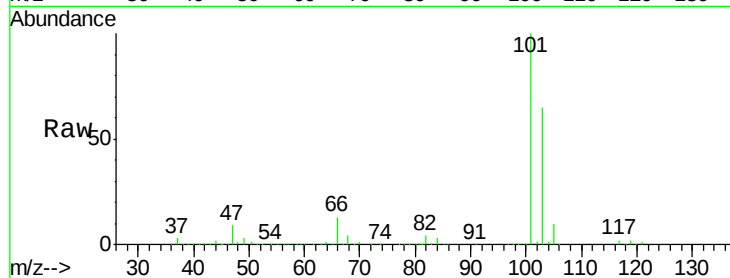


#7

Trichlorofluoromethane
Concen: 46.25 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :

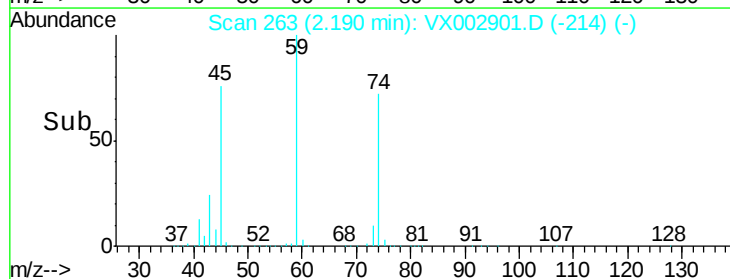
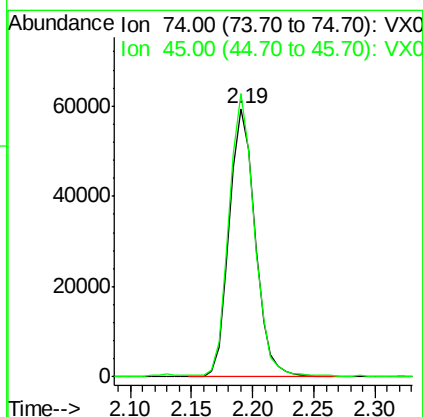
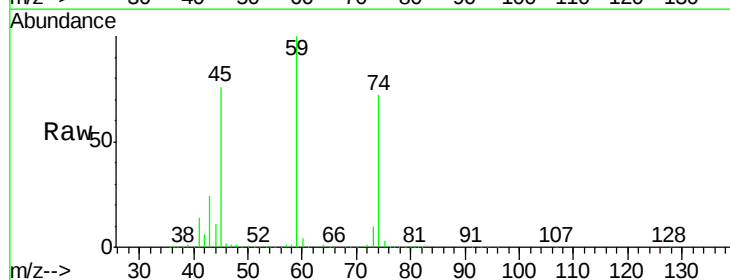
Tot Ion:101 Resp: 233570
Ion Ratio Lower Upper
101 100
103 65.4 52.8 79.2

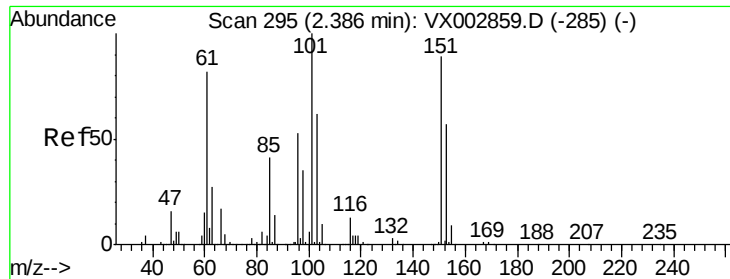


#8

Diethyl Ether
Concen: 47.36 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 74 Resp: 86940
Ion Ratio Lower Upper
74 100
45 102.9 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.98 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampled :

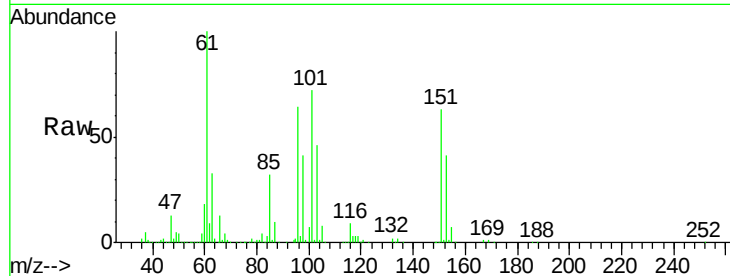
Tot Ion:101 Resp: 131616

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

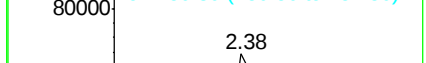
151 90.7 70.9 106.3



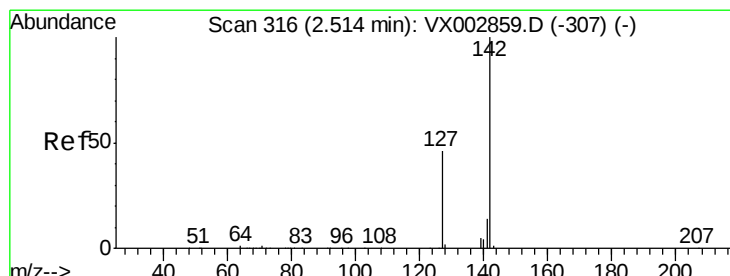
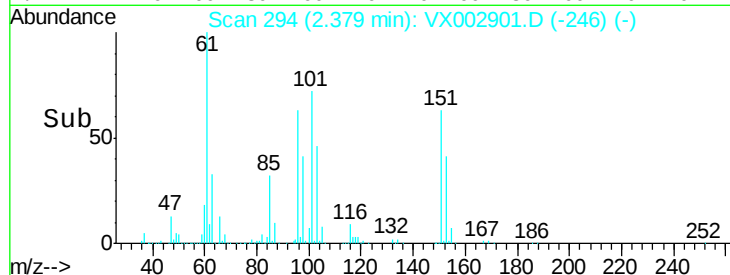
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 37.97 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

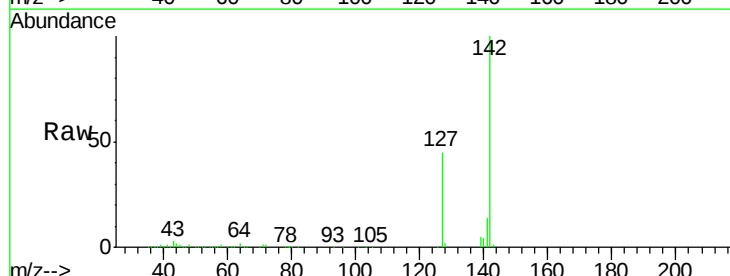
Tgt Ion:142 Resp: 107588

Ion Ratio Lower Upper

142 100

127 45.3 36.6 55.0

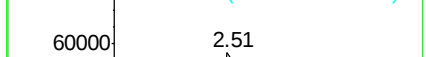
141 14.3 11.3 16.9



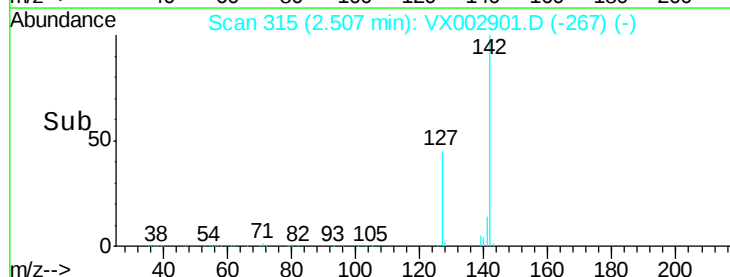
Abundance Ion 141.80 (141.50 to 142.50): V

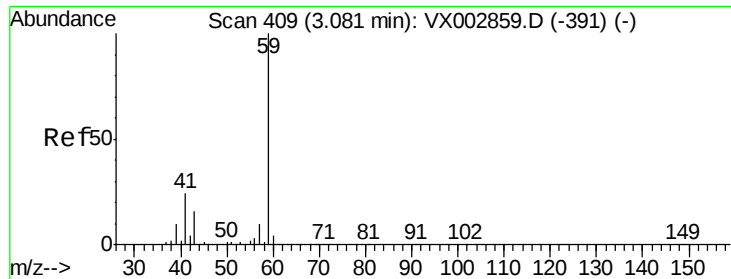
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



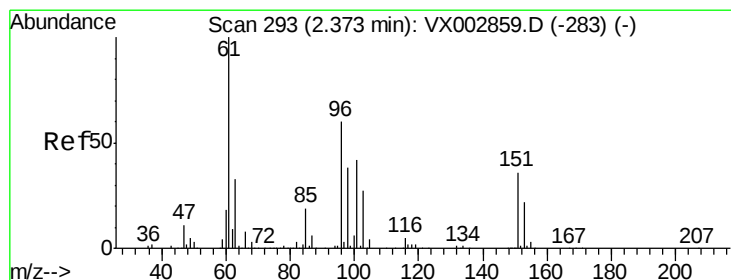
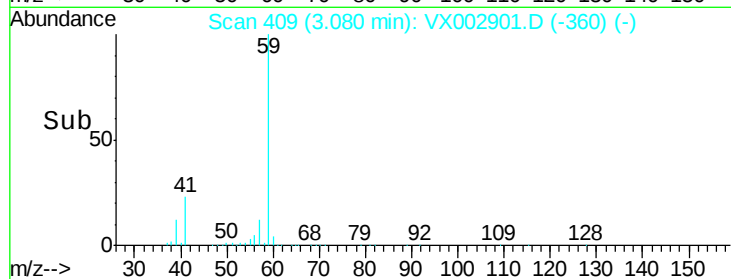
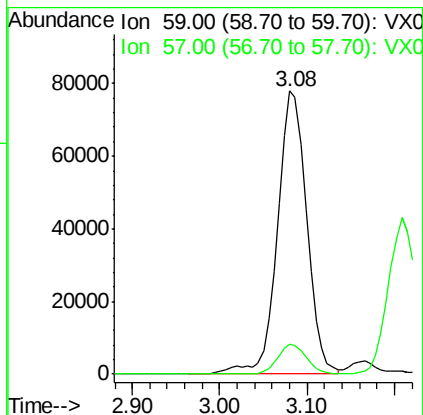
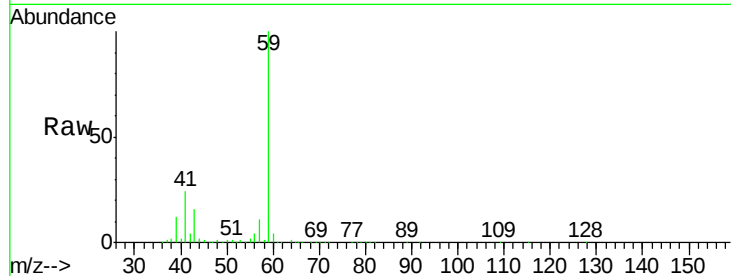


#11

Tert butyl alcohol
 Concen: 250.00 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Instrument :
 MSVOA_X
 ClientSampled :

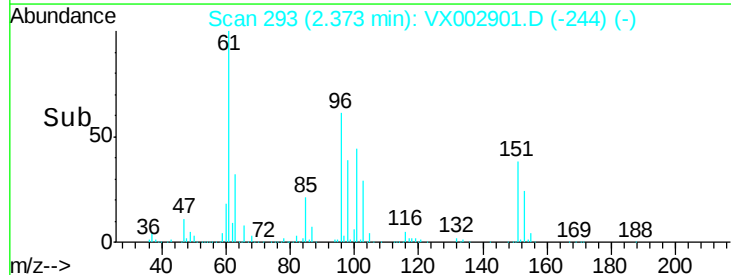
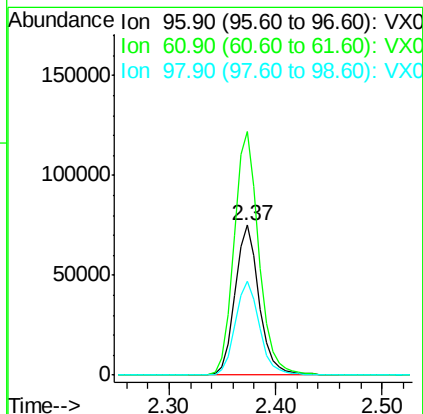
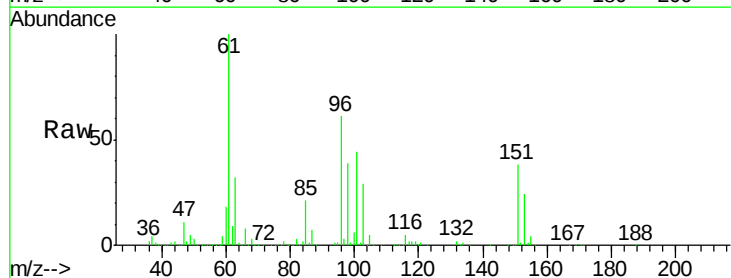
Tot Ion: 59 Resp: 182230
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 45.77 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion: 96 Resp: 119491
 Ion Ratio Lower Upper
 96 100
 61 162.8 137.9 206.9
 98 63.1 51.6 77.4





#13

Acrolein

Concen: 253.69 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

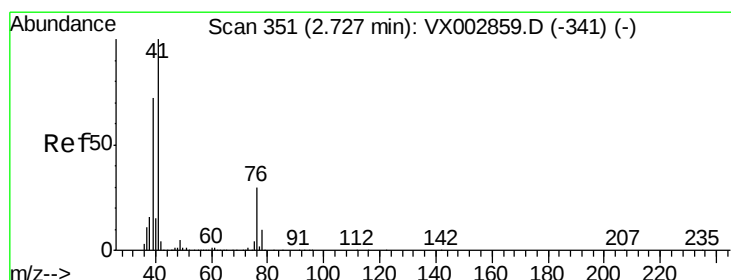
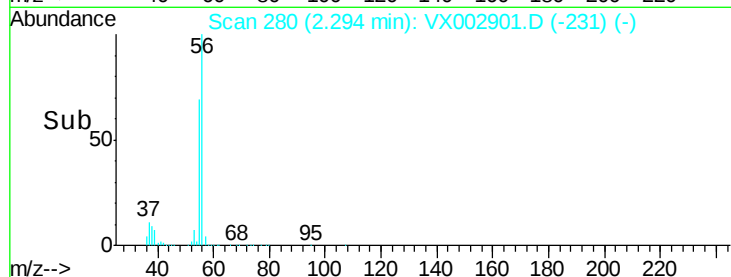
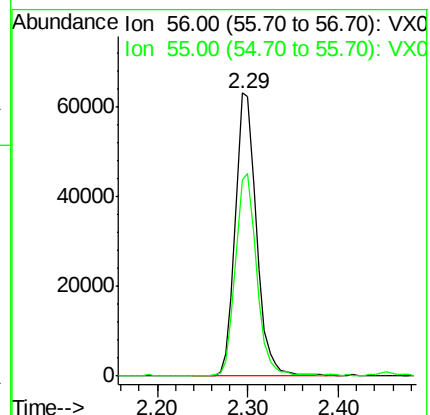
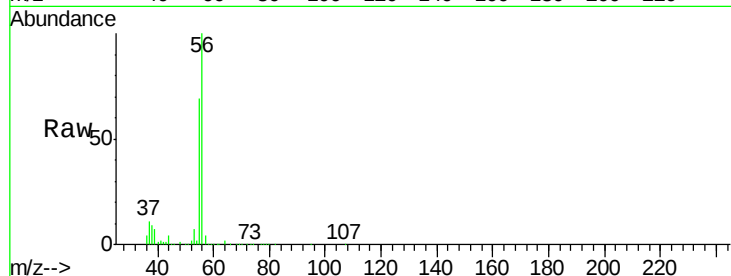
ClientSampleId :

Tot Ion: 56 Resp: 102543

Ion Ratio Lower Upper

56 100

55 71.2 57.0 85.4



#14

Allyl chloride

Concen: 47.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

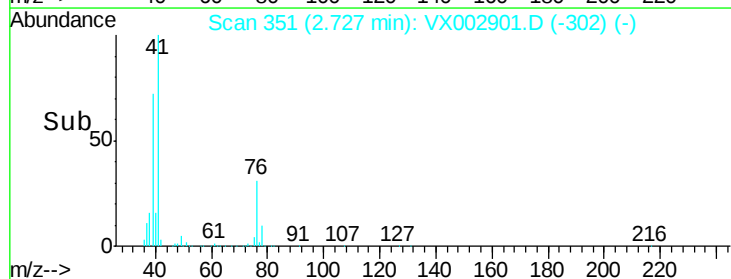
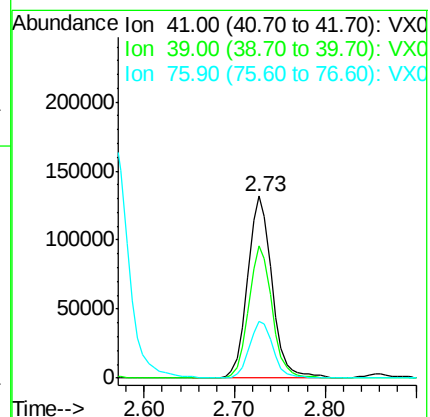
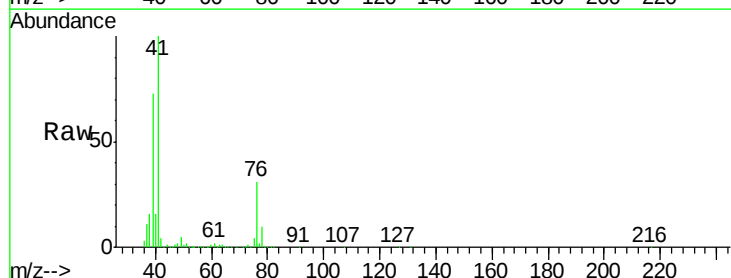
Tgt Ion: 41 Resp: 244264

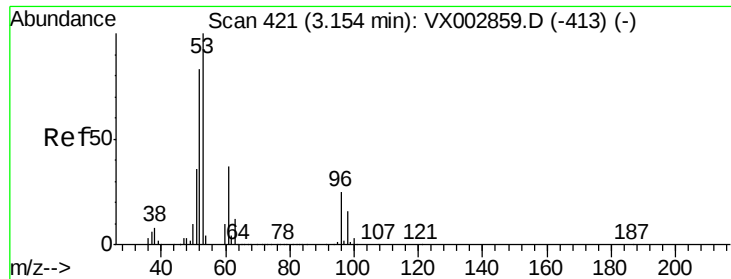
Ion Ratio Lower Upper

41 100

39 69.5 56.8 85.2

76 30.1 23.8 35.8





#15

Acrylonitrile

Concen: 246.30 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

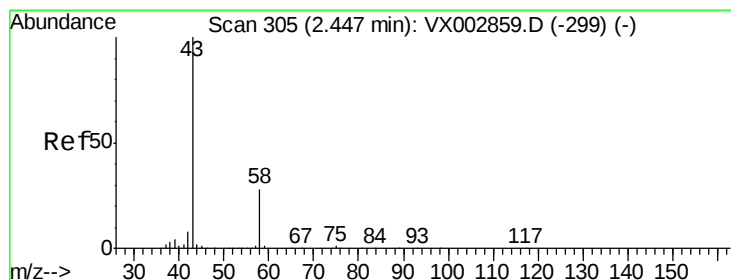
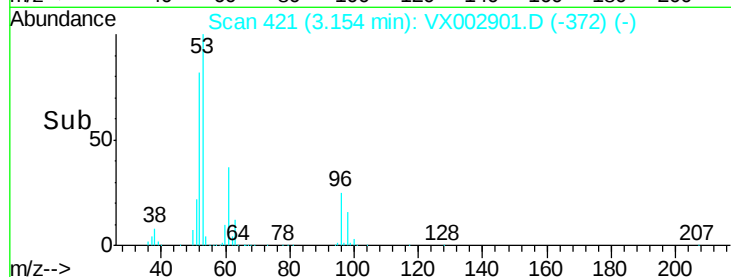
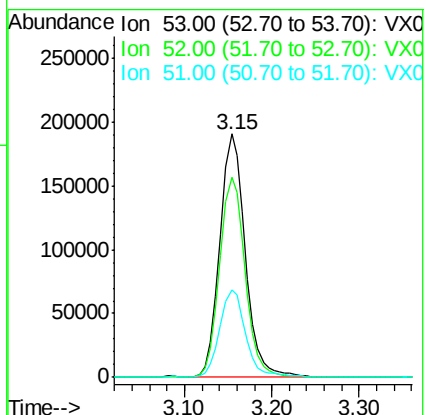
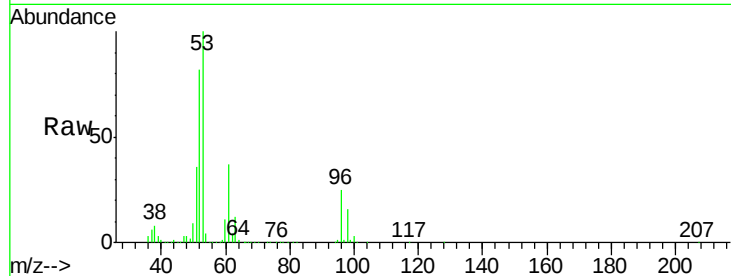
Tot Ion: 53 Resp: 383475

Ion Ratio Lower Upper

53 100

52 82.8 66.7 100.1

51 36.9 29.9 44.9



#16

Acetone

Concen: 244.11 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX002901.D

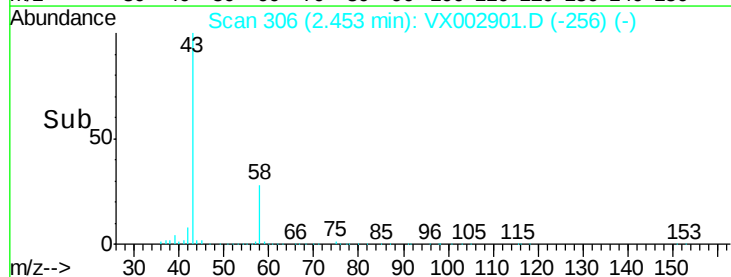
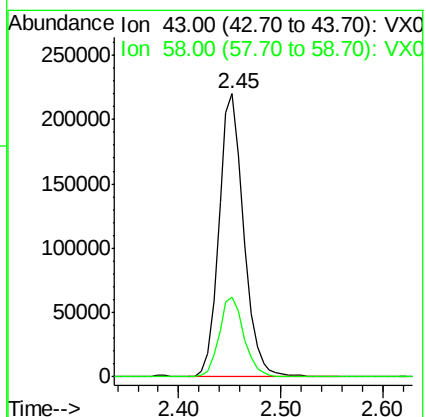
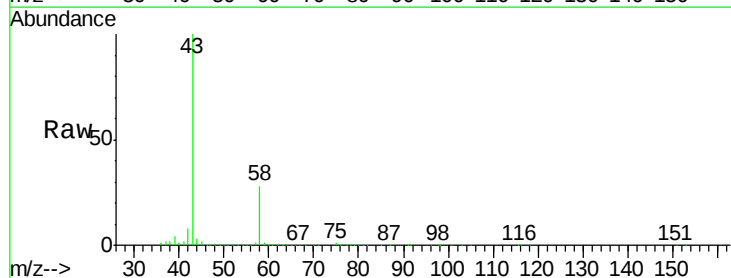
Acq: 26 Jun 2018 17:02

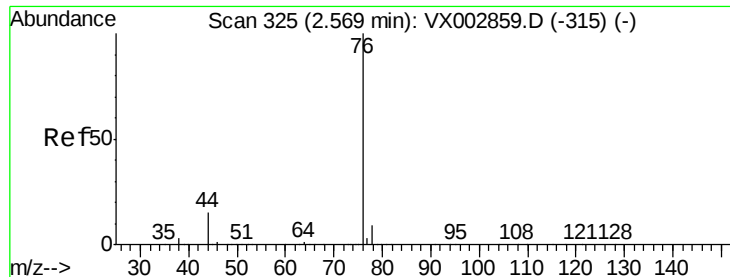
Tgt Ion: 43 Resp: 369901

Ion Ratio Lower Upper

43 100

58 28.3 22.1 33.1

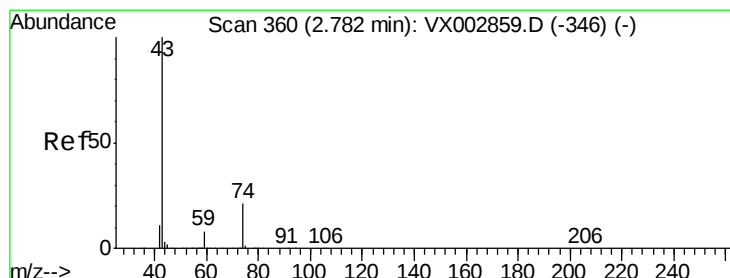
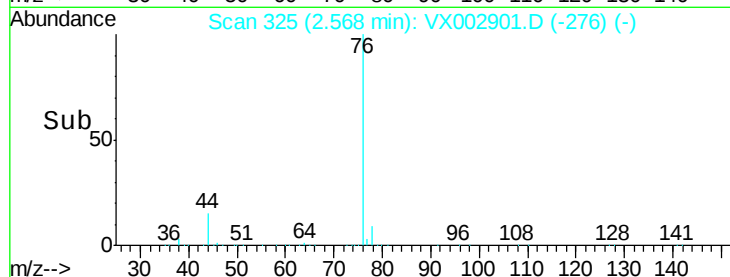
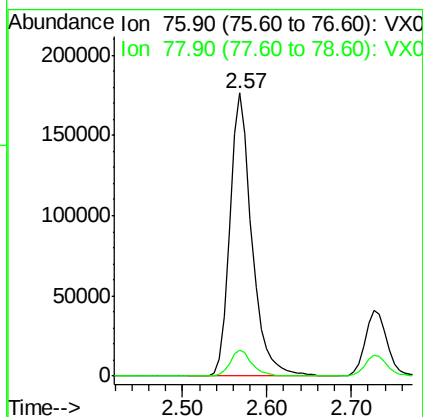
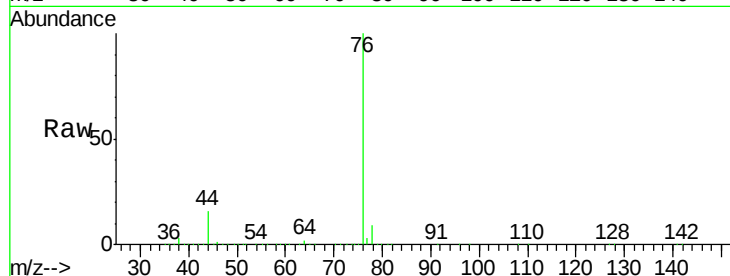




#17
Carbon Disulfide
Concen: 45.01 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

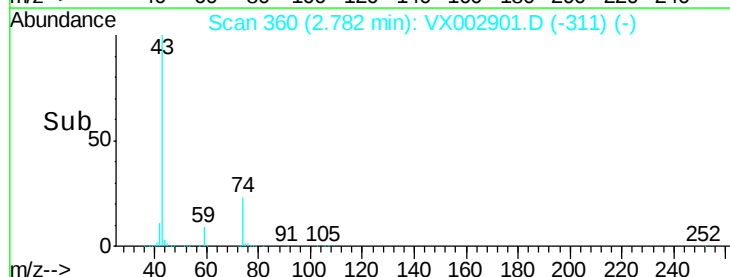
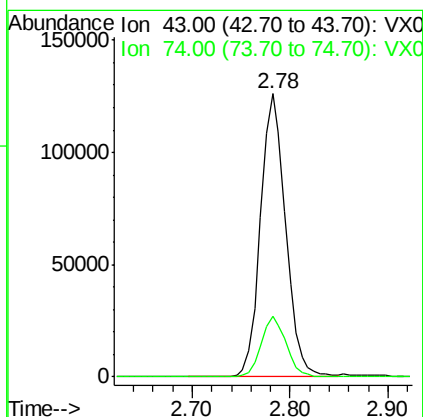
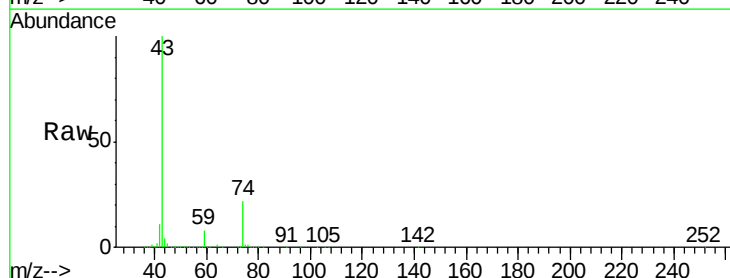
Instrument :
MSVOA_X
ClientSampleId :

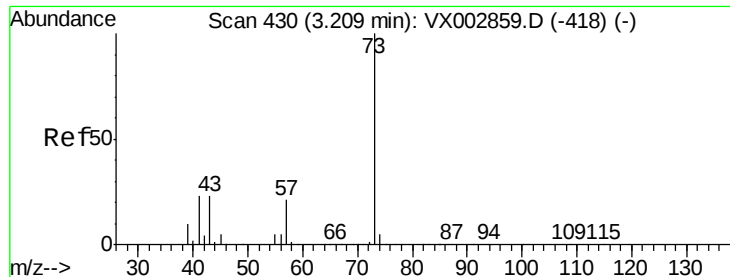
Tot Ion: 76 Resp: 313071
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 52.72 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 43 Resp: 223355
Ion Ratio Lower Upper
43 100
74 20.9 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 48.23 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

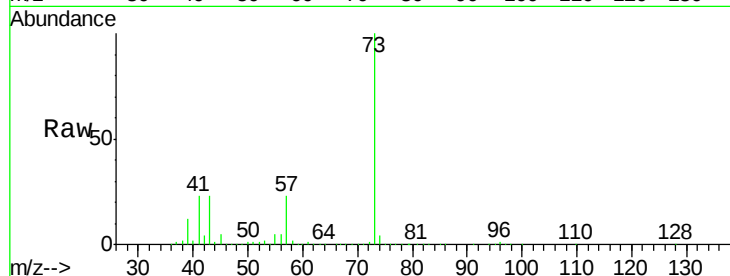
ClientSampleId :

Tot Ion: 73 Resp: 452713

Ion Ratio Lower Upper

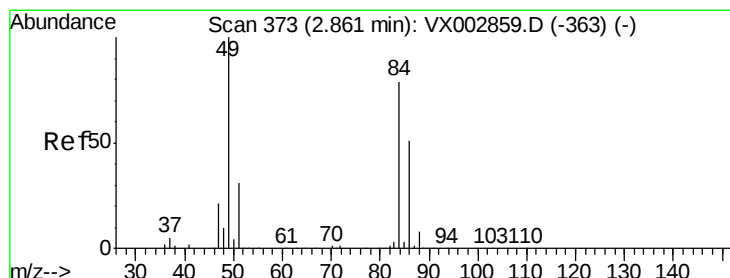
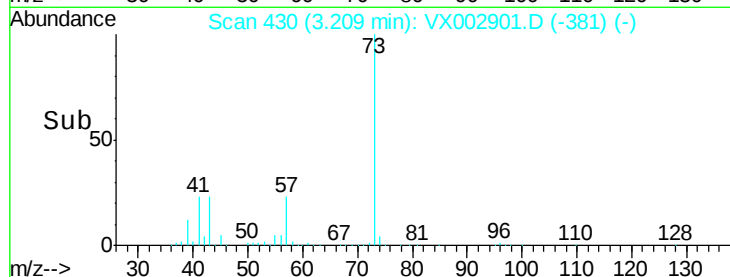
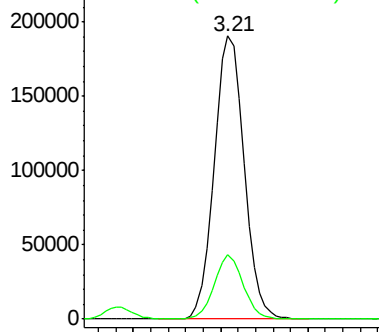
73 100

57 22.7 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 46.21 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion: 84 Resp: 136252

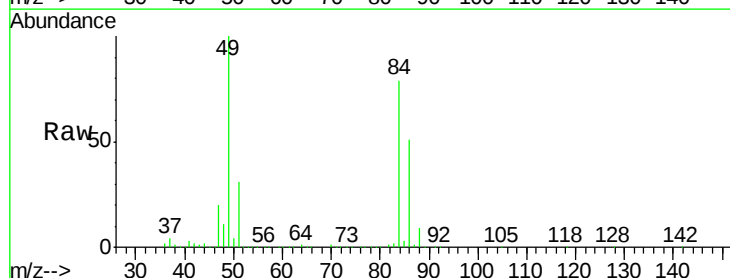
Ion Ratio Lower Upper

84 100

49 126.1 107.8 161.6

51 39.5 32.8 49.2

86 64.4 52.5 78.7

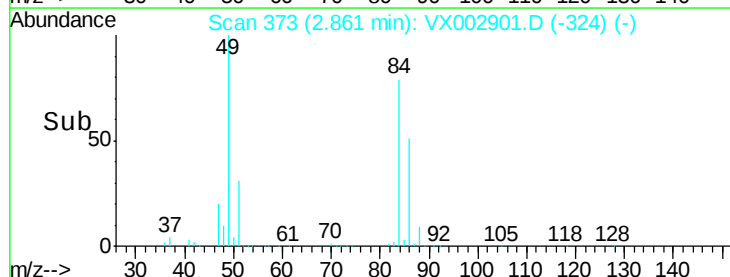
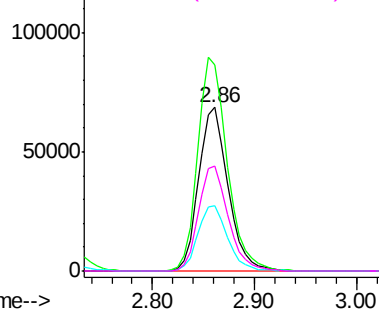


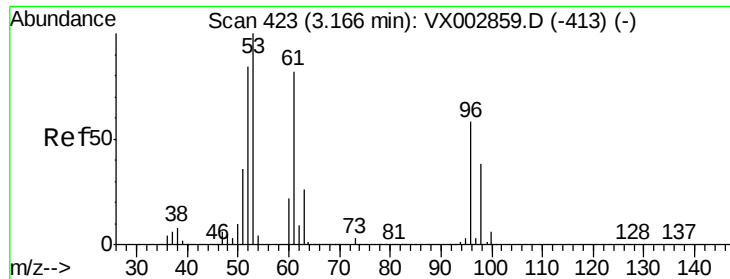
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 45.25 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

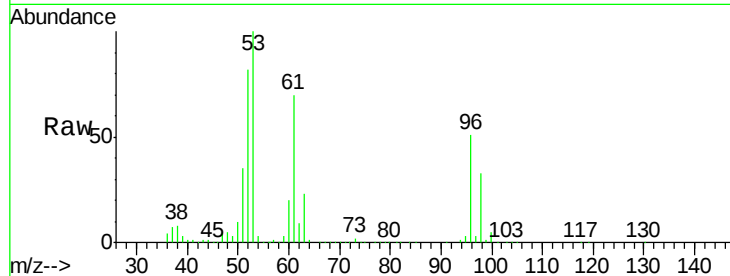
Tot Ion: 96 Resp: 128662

Ion Ratio Lower Upper

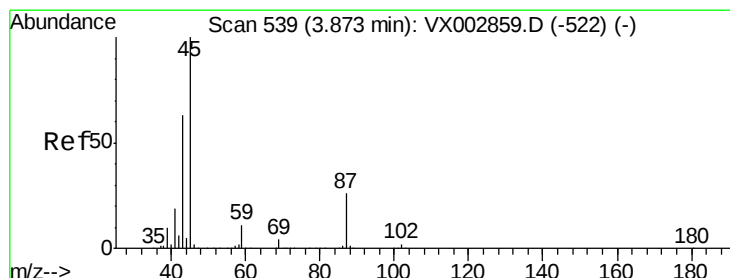
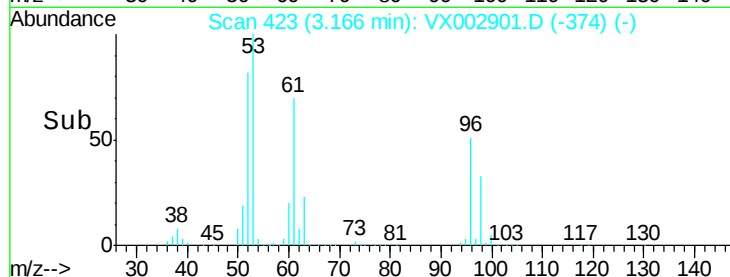
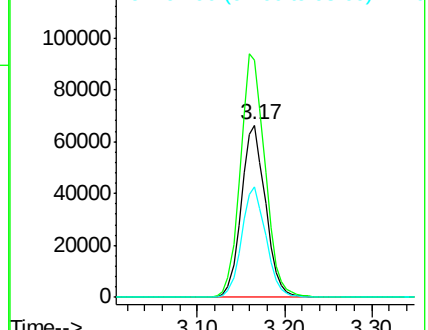
96 100

61 137.6 117.0 175.4

98 64.6 52.4 78.6



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



#22

Diisopropyl ether

Concen: 48.07 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion: 45 Resp: 472851

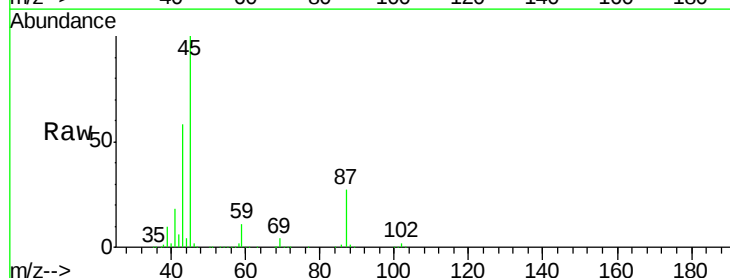
Ion Ratio Lower Upper

45 100

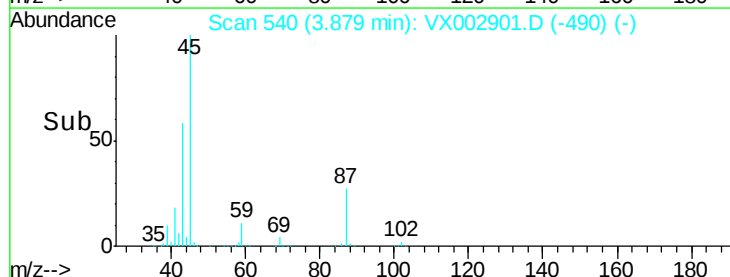
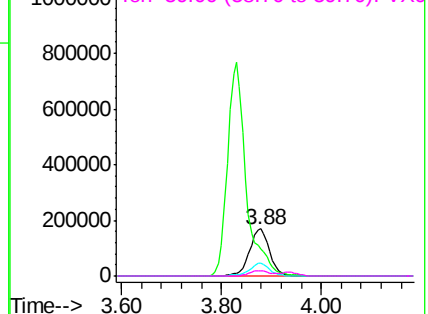
43 58.3 46.8 70.2

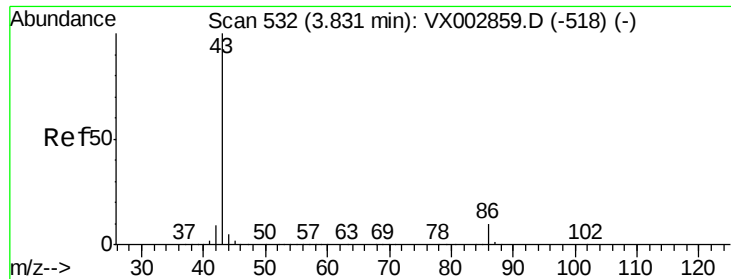
87 26.8 20.2 30.4

59 11.1 8.7 13.1



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

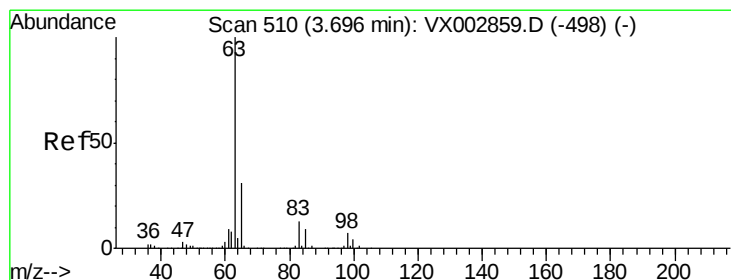
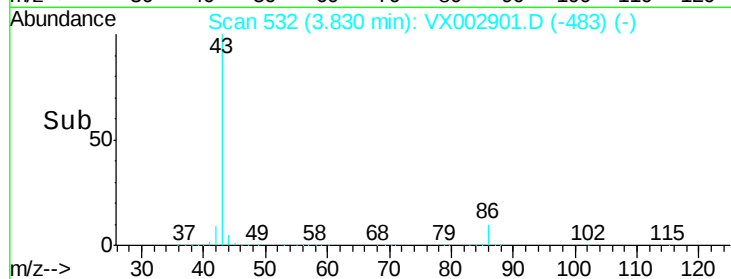
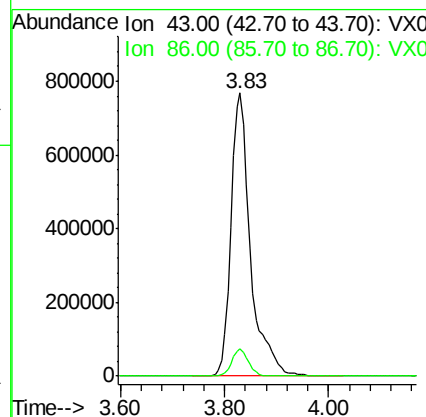
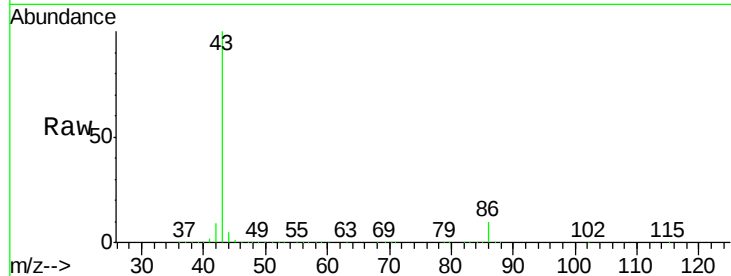




#23
 Vinyl Acetate
 Concen: 240.08 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

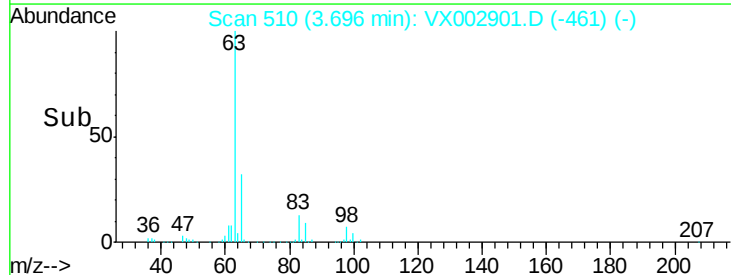
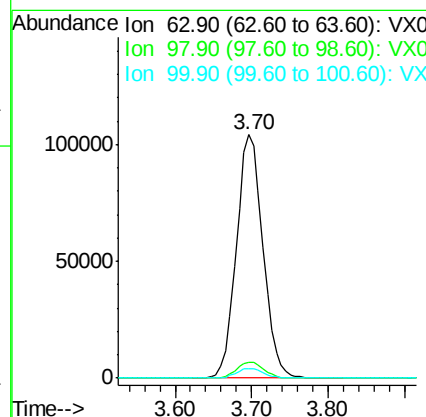
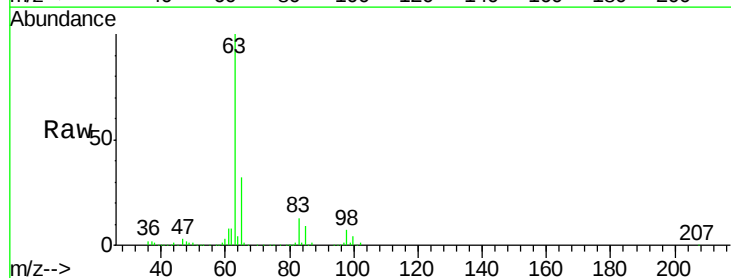
Instrument :
 MSVOA_X
 ClientSampleId :

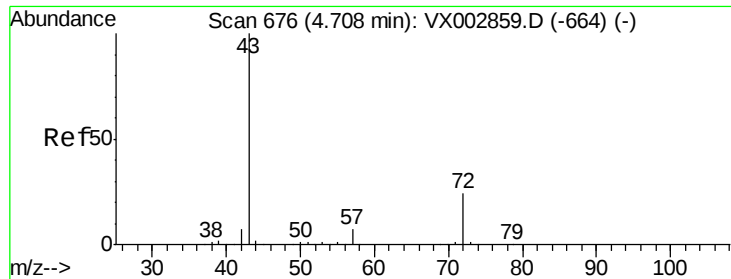
Tot Ion: 43 Resp: 1999862
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 46.67 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion: 63 Resp: 249519
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 248.84 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

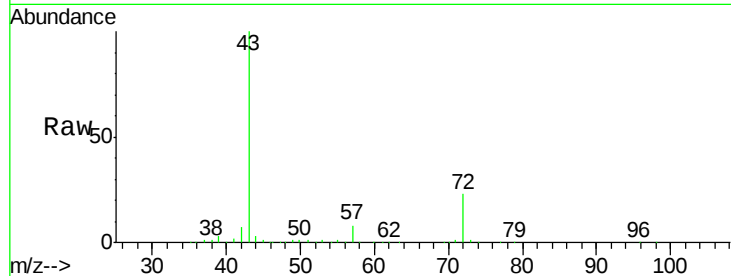
ClientSampled :

Tot Ion: 43 Resp: 559611

Ion Ratio Lower Upper

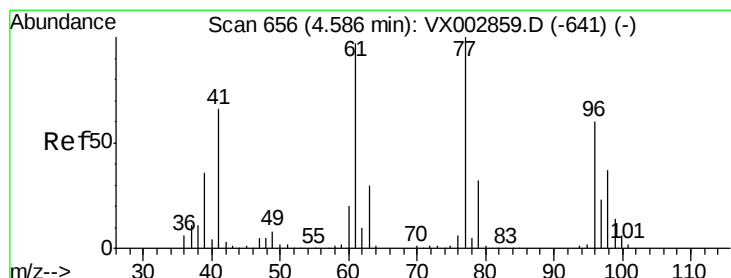
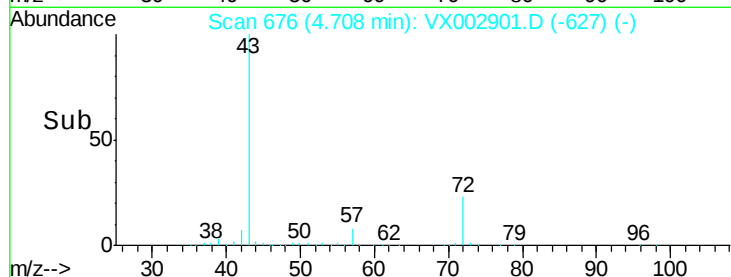
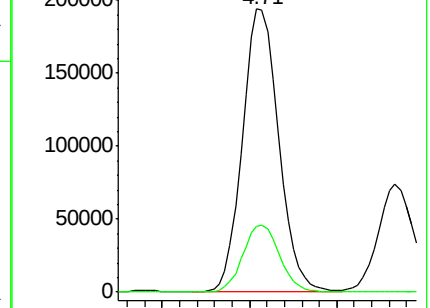
43 100

72 23.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 45.00 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002901.D

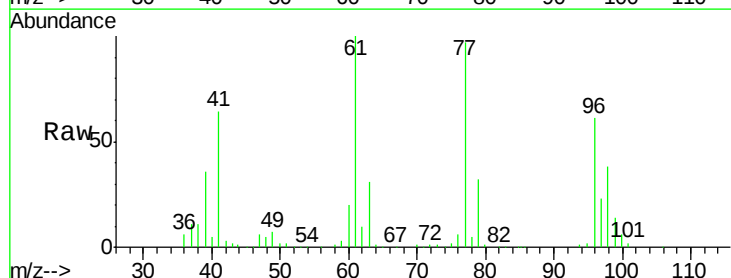
Acq: 26 Jun 2018 17:02

Tgt Ion: 77 Resp: 195637

Ion Ratio Lower Upper

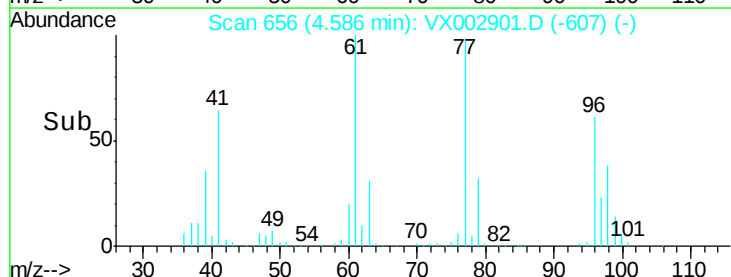
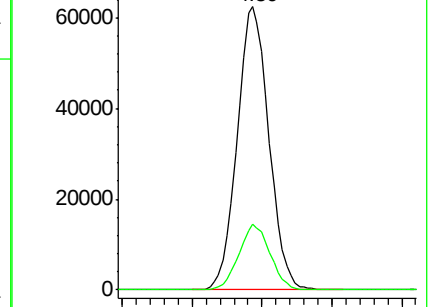
77 100

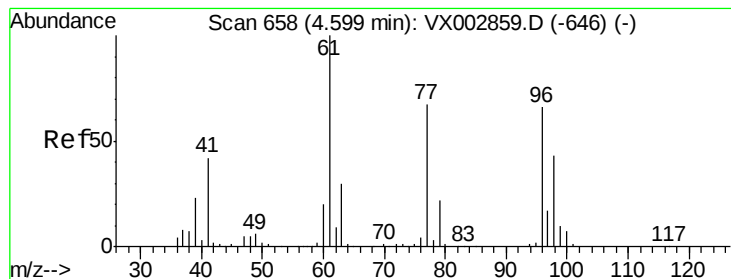
97 22.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



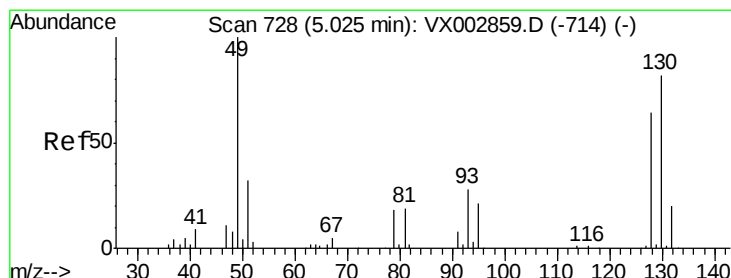
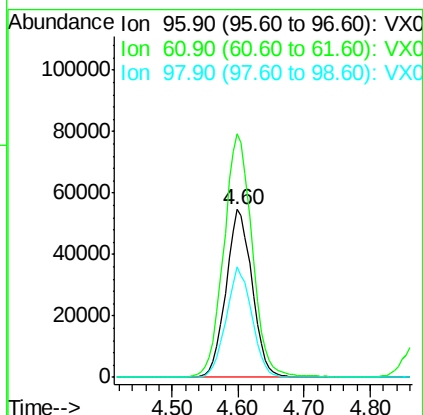
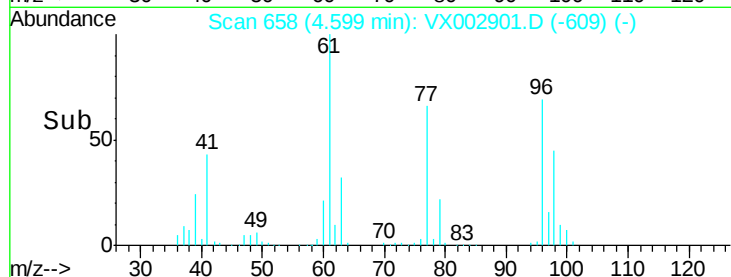
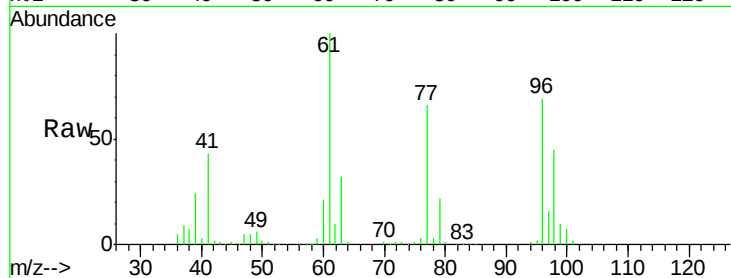


#27

cis-1,2-Dichloroethene
Concen: 46.87 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :

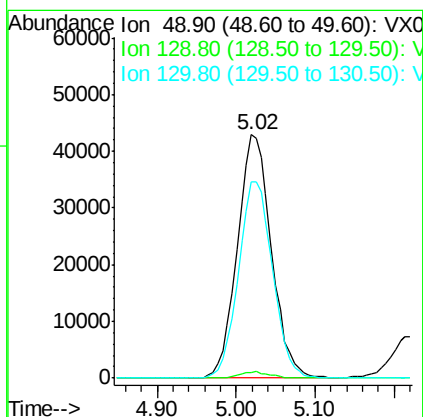
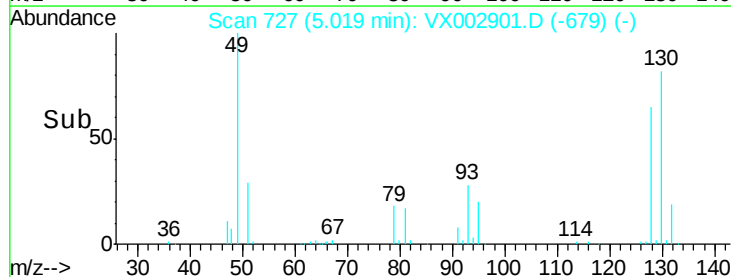
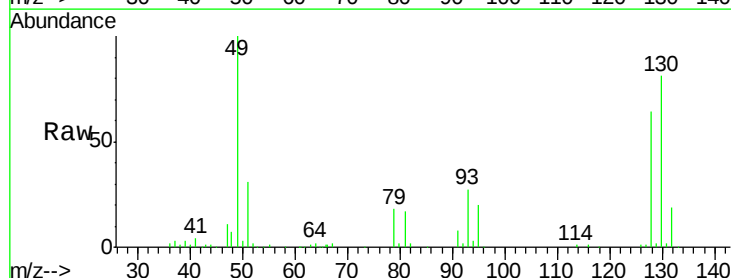
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	330.2
98	65.0	0.0	130.2

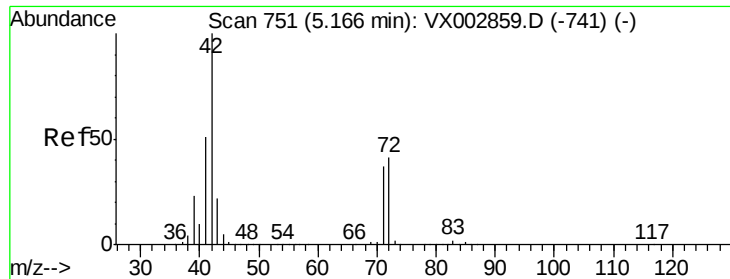


#28

Bromochloromethane
Concen: 50.27 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	81.2	61.2	91.8

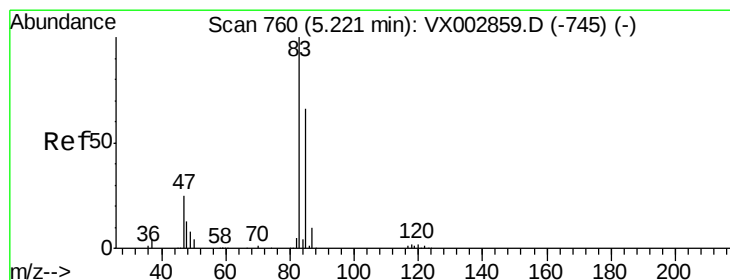
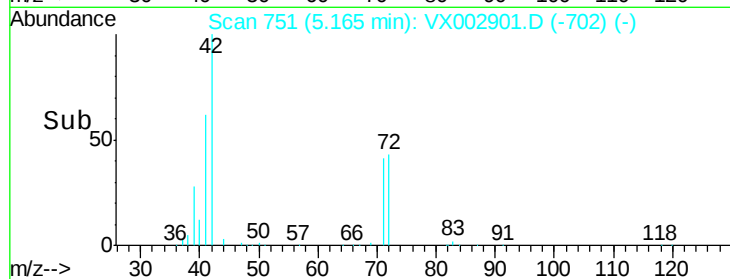
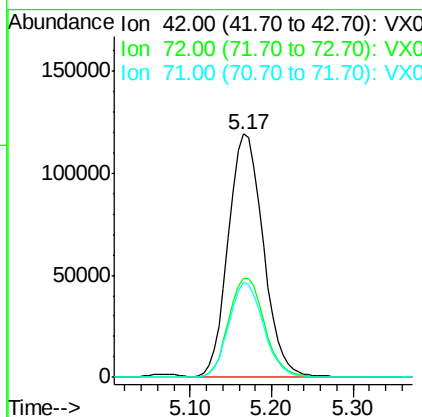
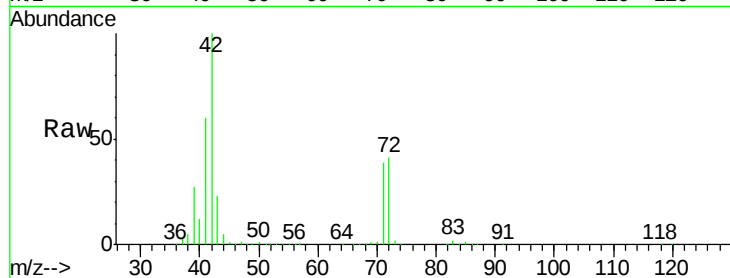




#29
Tetrahydrofuran
Concen: 244.77 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

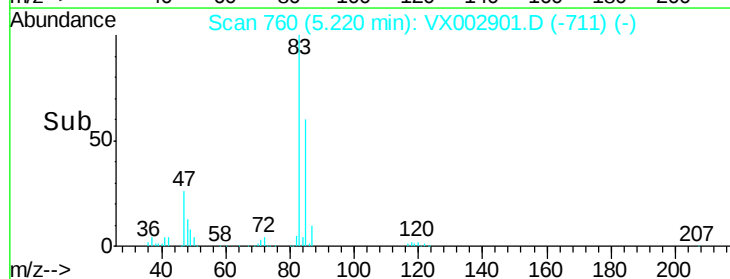
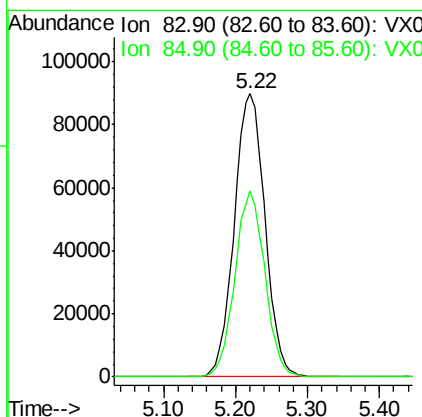
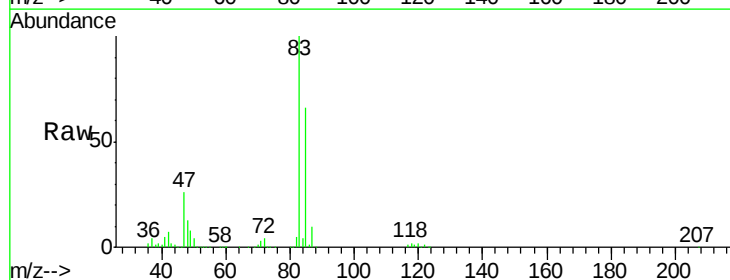
Instrument :
MSVOA_X
ClientSampled :

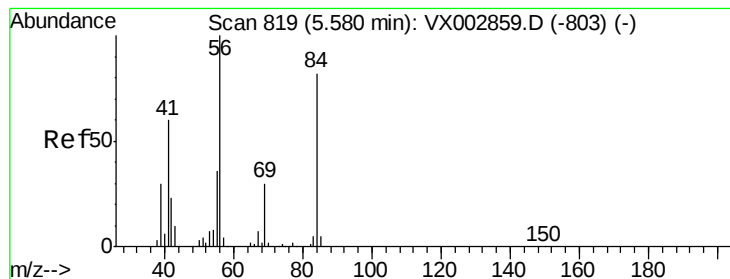
Tot Ion: 42 Resp: 352993
Ion Ratio Lower Upper
42 100
72 41.9 32.0 48.0
71 38.9 30.1 45.1



#30
Chloroform
Concen: 48.47 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 83 Resp: 265985
Ion Ratio Lower Upper
83 100
85 65.8 50.4 75.6





#31

Cyclohexane

Concen: 46.34 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

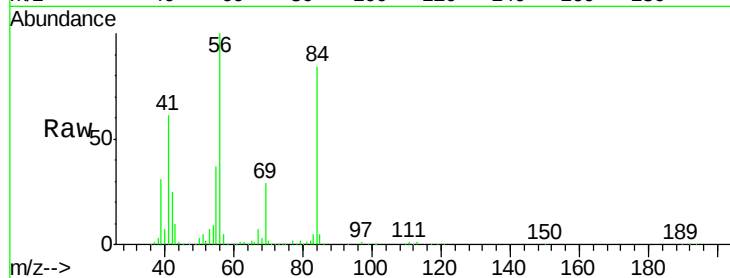
Tot Ion: 56 Resp: 212629

Ion Ratio Lower Upper

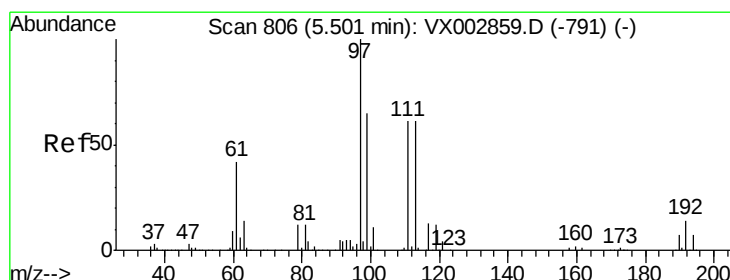
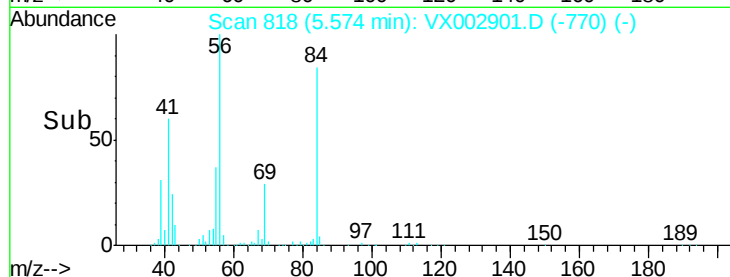
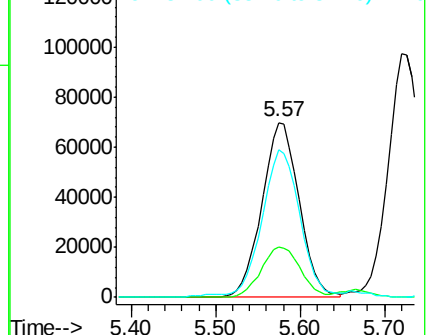
56 100

69 29.1 23.7 35.5

84 83.4 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 48.55 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

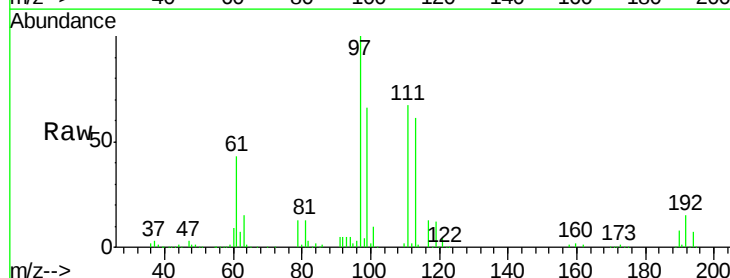
Tgt Ion: 97 Resp: 234414

Ion Ratio Lower Upper

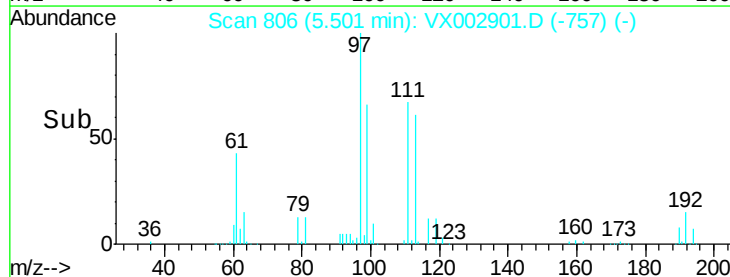
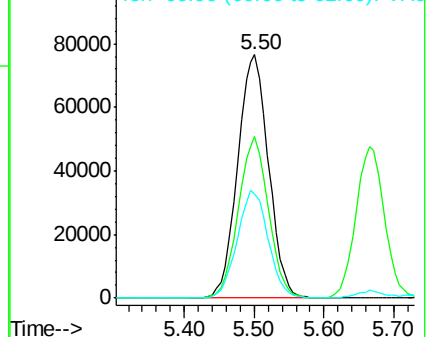
97 100

99 64.7 51.6 77.4

61 44.5 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.32 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

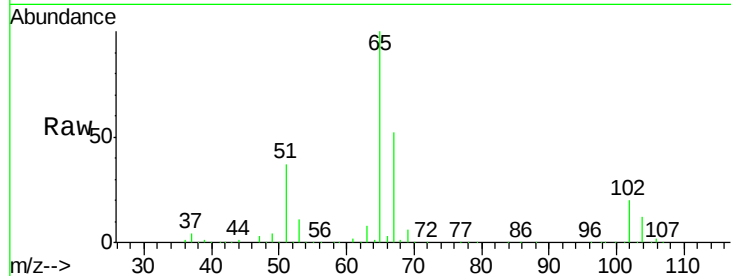
ClientSampleId :

Tot Ion: 65 Resp: 180464

Ion Ratio Lower Upper

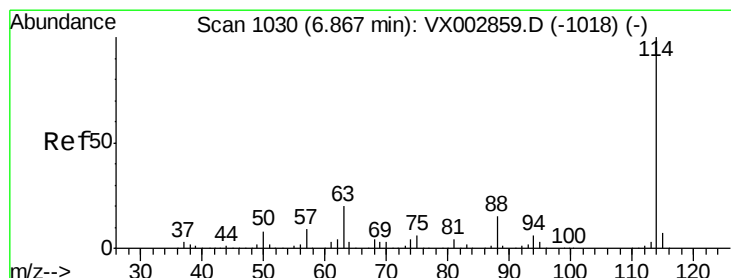
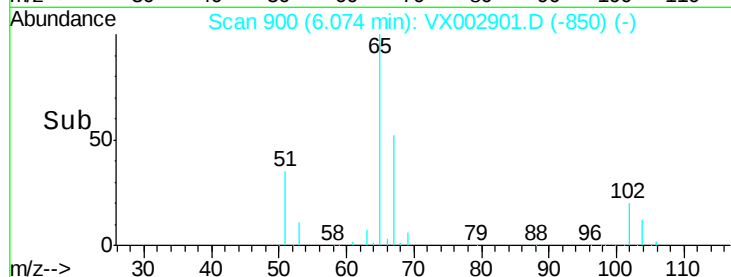
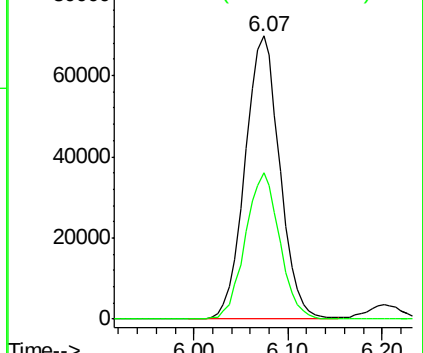
65 100

67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

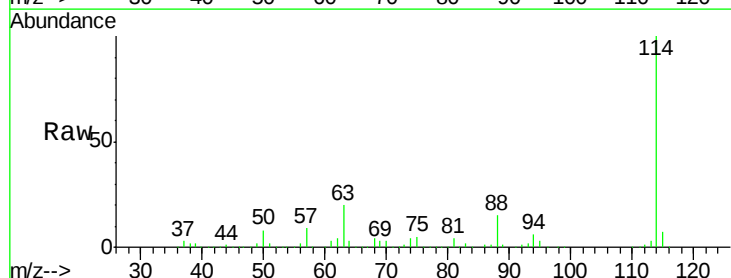
Tgt Ion: 114 Resp: 366013

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

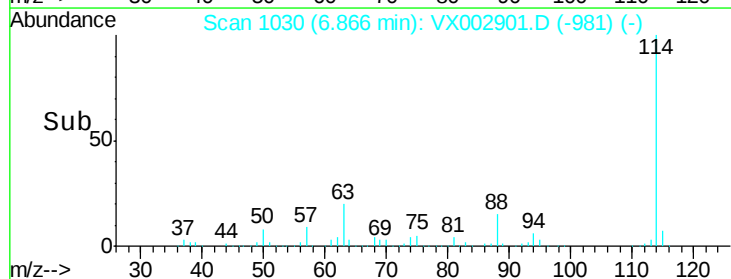
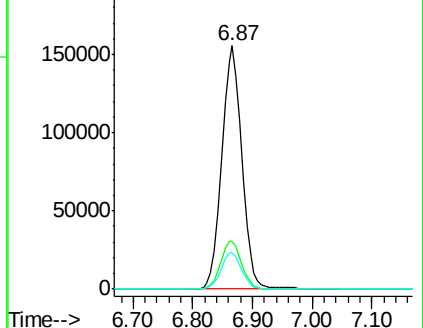
88 15.1 0.0 30.0

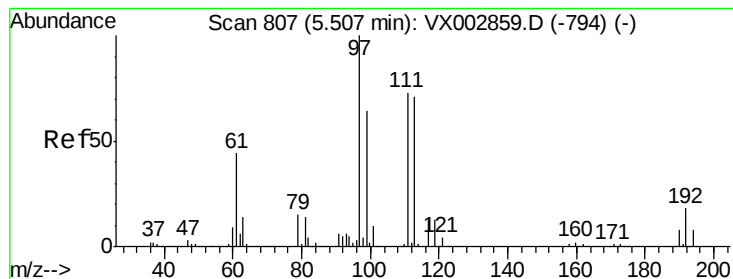


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.03 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :

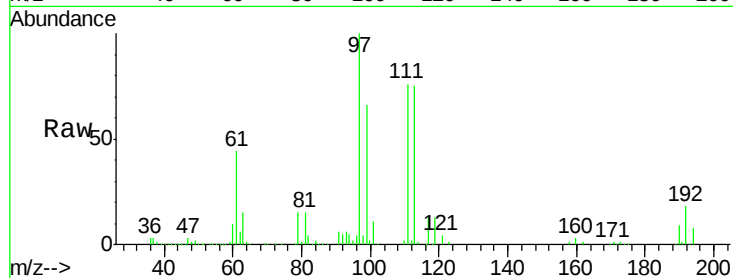
Tot Ion:113 Resp: 145010

Ion Ratio Lower Upper

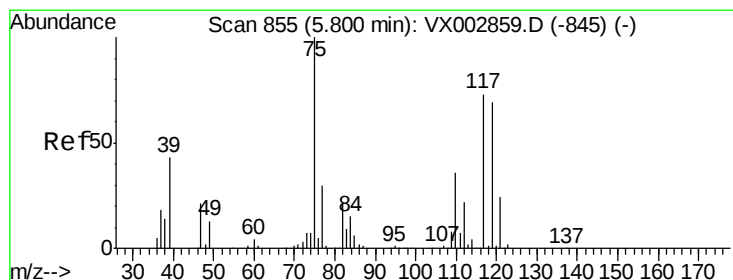
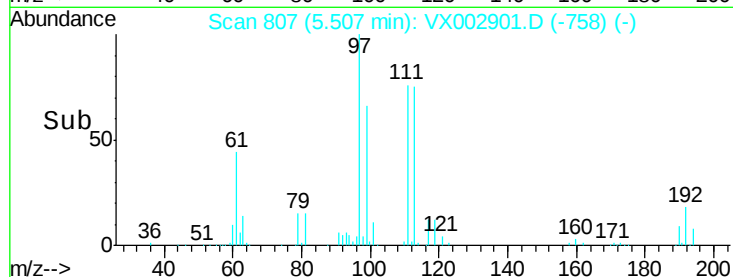
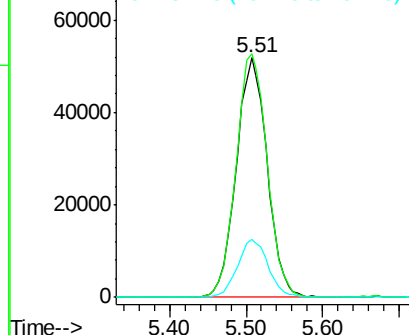
113 100

111 102.6 81.4 122.0

192 24.1 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.26 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

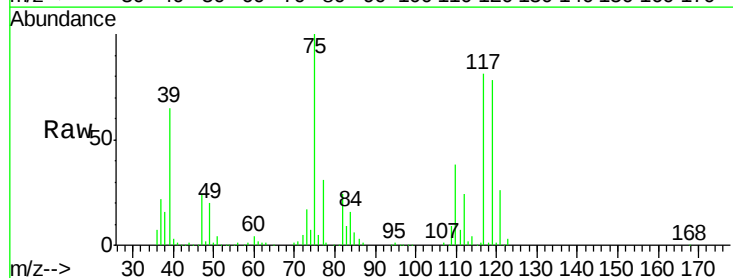
Tgt Ion: 75 Resp: 185681

Ion Ratio Lower Upper

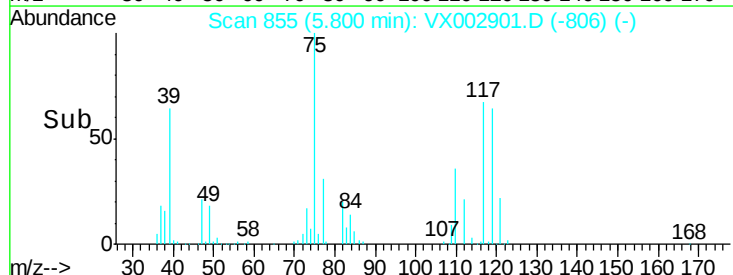
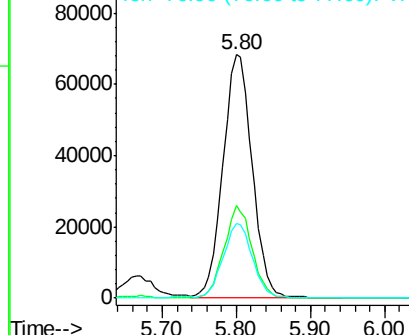
75 100

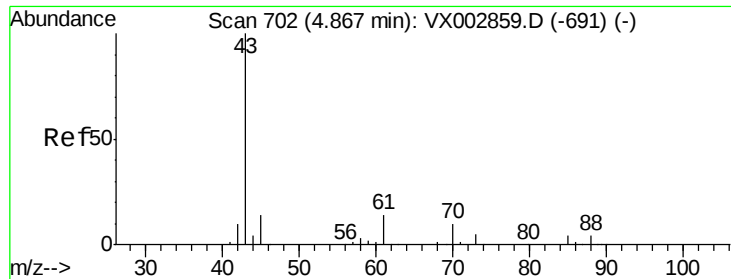
110 36.5 18.1 54.4

77 31.4 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 49.21 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampled :

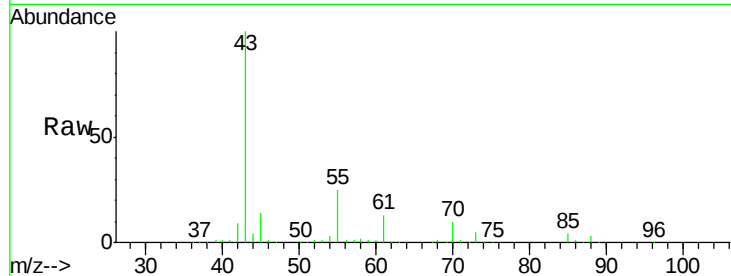
Tot Ion: 43 Resp: 212673

Ion Ratio Lower Upper

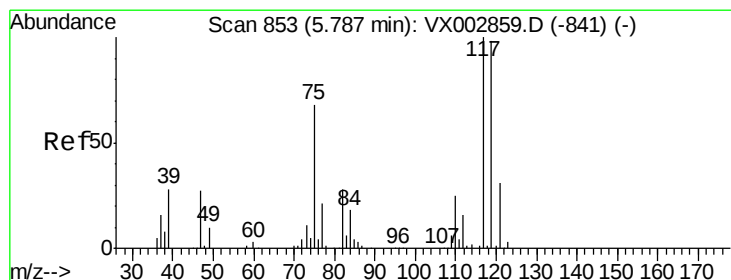
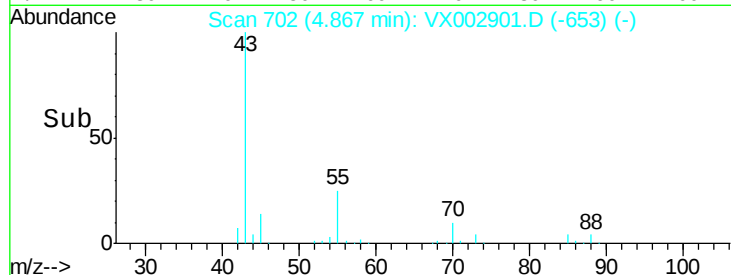
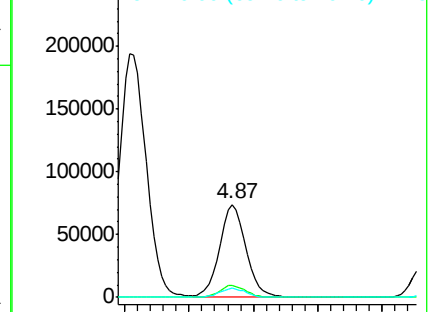
43 100

61 13.2 10.4 15.6

70 9.9 7.6 11.4



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: 47.49 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

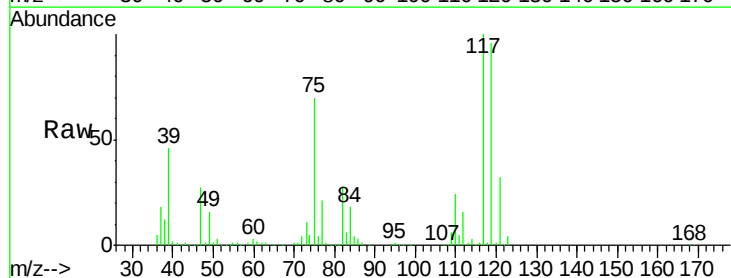
Tgt Ion: 117 Resp: 209195

Ion Ratio Lower Upper

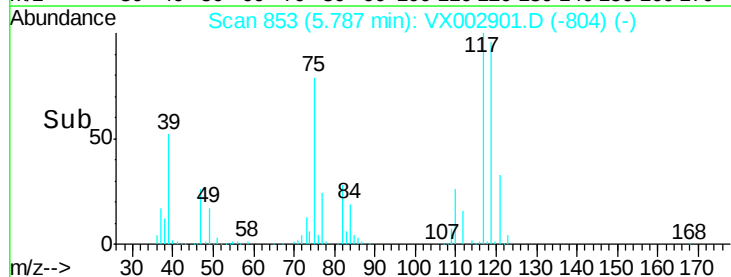
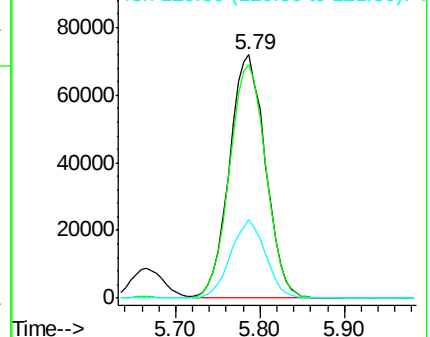
117 100

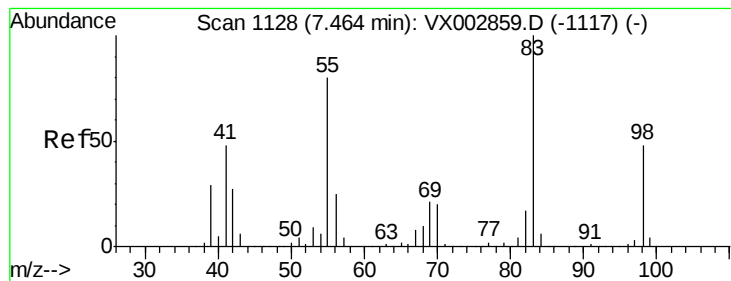
119 95.7 77.4 116.0

121 32.4 24.4 36.6



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: 46.42 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampled :

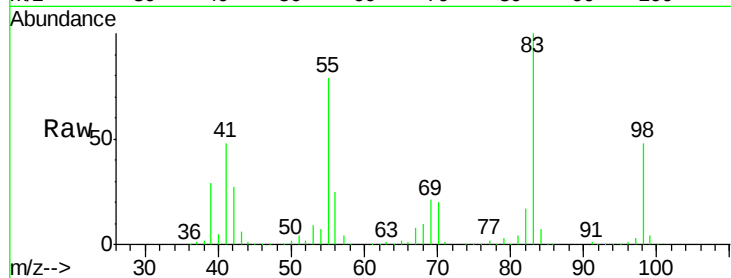
Tot Ion: 83 Resp: 217020

Ion Ratio Lower Upper

83 100

55 79.0 65.4 98.0

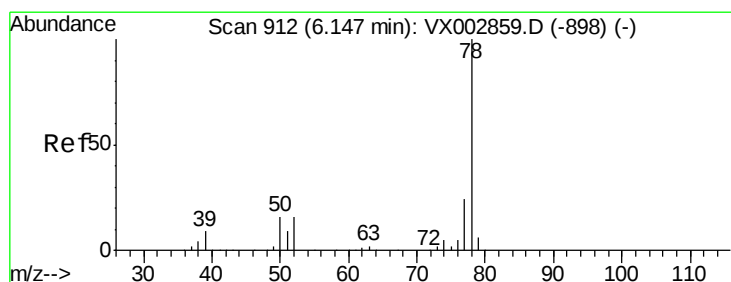
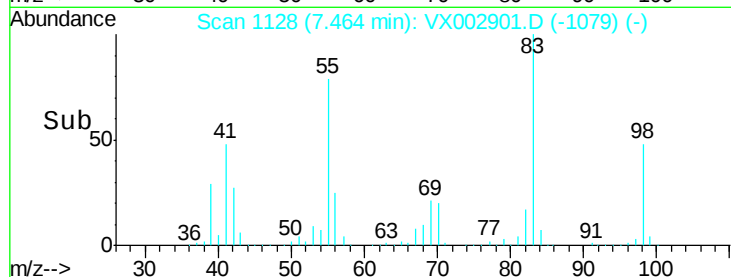
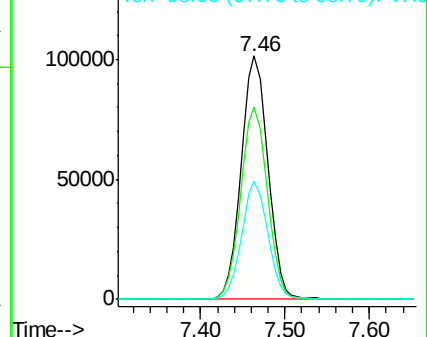
98 48.4 37.4 56.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 47.76 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX002901.D

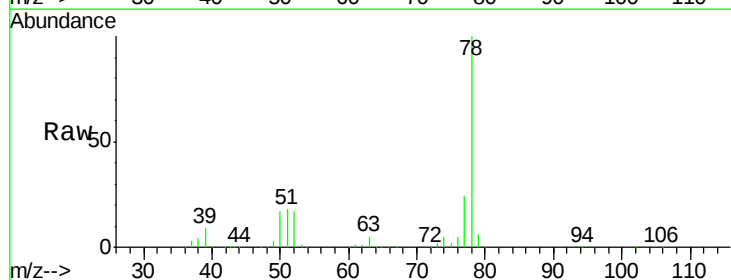
Acq: 26 Jun 2018 17:02

Tgt Ion: 78 Resp: 557032

Ion Ratio Lower Upper

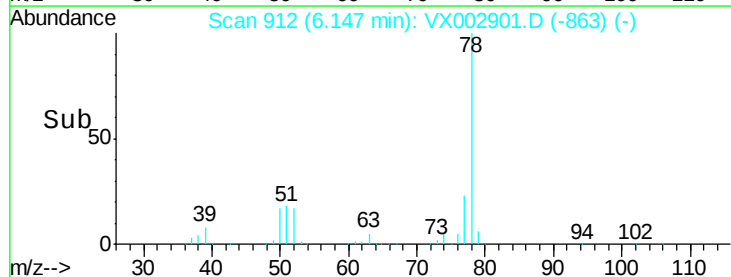
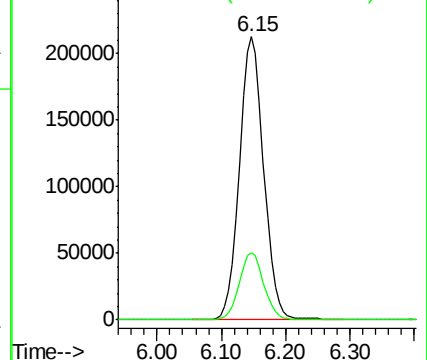
78 100

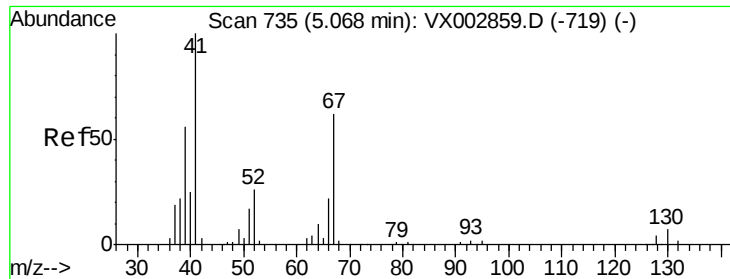
77 23.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

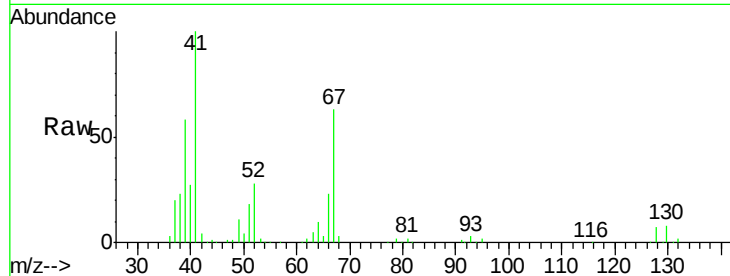




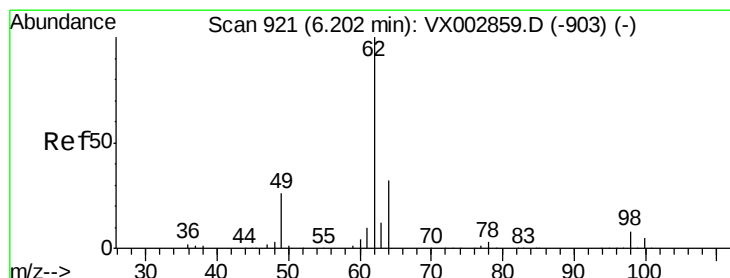
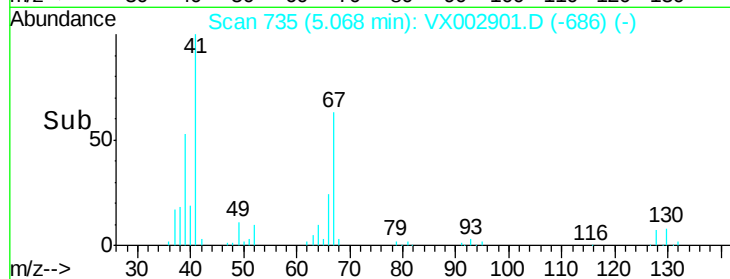
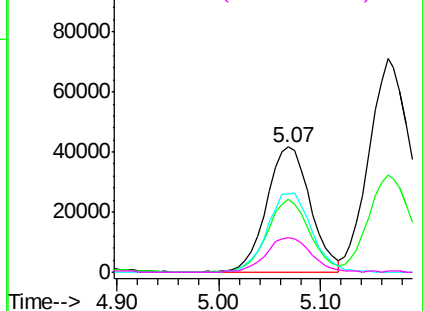
#41
Methacrylonitrile
Concen: 49.64 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	123533
Ion	Ratio	Lower	Upper
41	100		
39	56.4	45.8	68.6
67	64.8	51.3	76.9
52	28.0	23.0	34.6

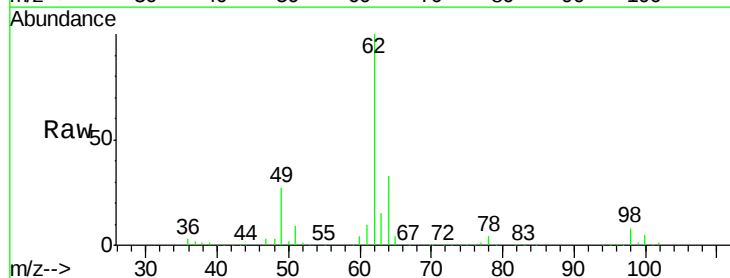


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

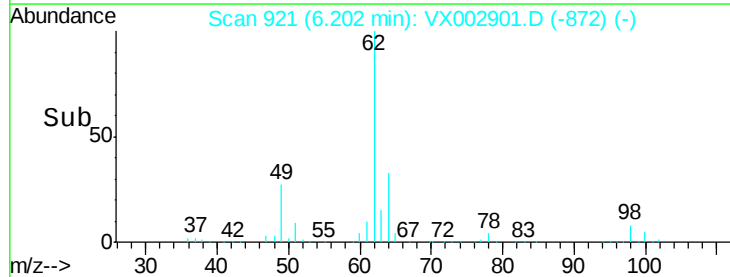
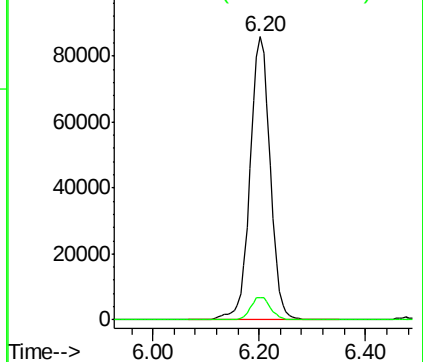


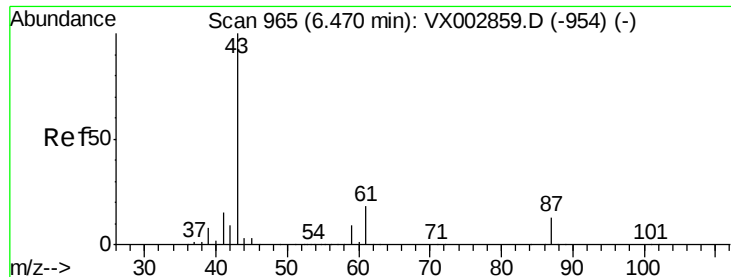
#42
1,2-Dichloroethane
Concen: 47.28 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion:	62	Resp:	222722
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 48.34 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

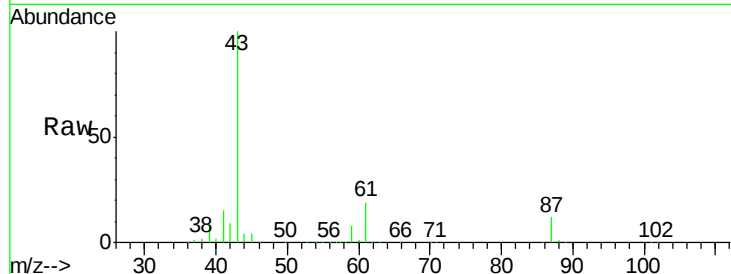
Tot Ion: 43 Resp: 350370

Ion Ratio Lower Upper

43 100

61 18.4 14.4 21.6

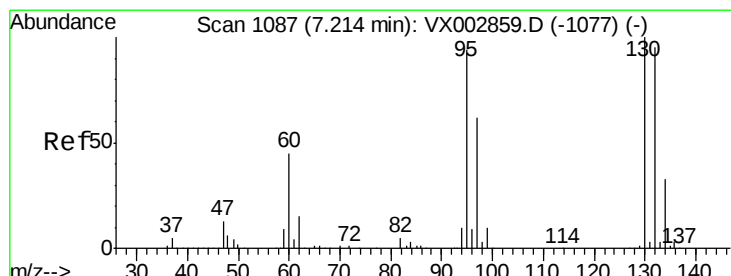
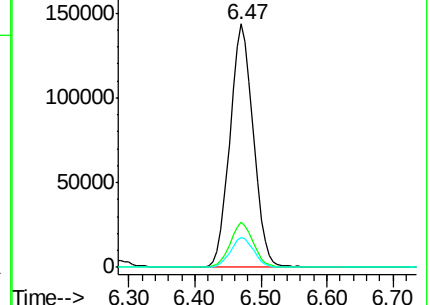
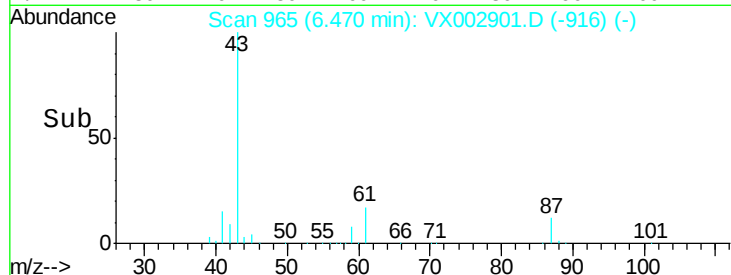
87 12.3 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VX002901.D (-916) (-)

Ion 61.00 (60.70 to 61.70): VX002901.D (-916) (-)

Ion 87.00 (86.70 to 87.70): VX002901.D (-916) (-)



#44

Trichloroethene

Concen: 46.21 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002901.D

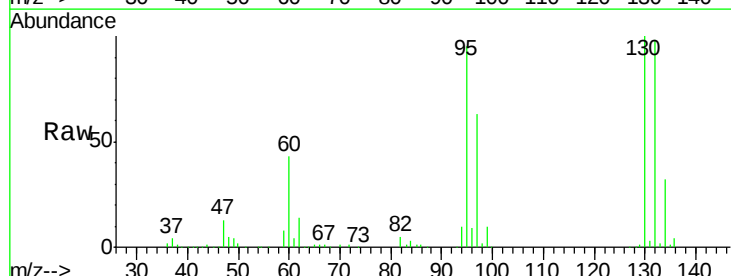
Acq: 26 Jun 2018 17:02

Tgt Ion:130 Resp: 160663

Ion Ratio Lower Upper

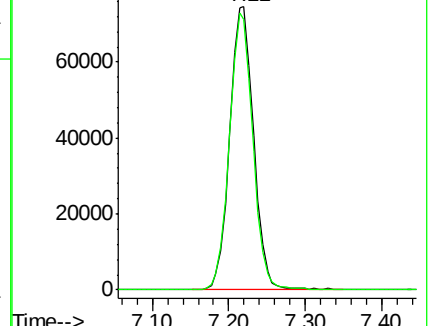
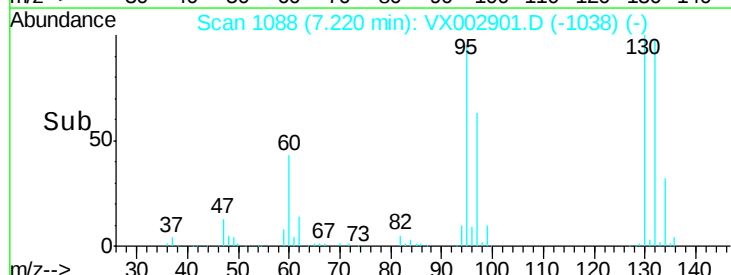
130 100

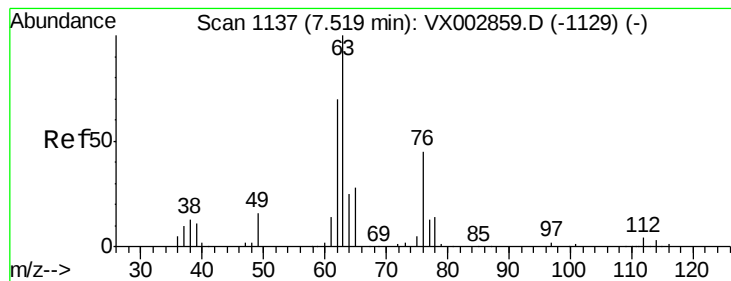
95 95.4 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VX002901.D (-1038) (-)

Ion 94.90 (94.60 to 95.60): VX002901.D (-1038) (-)





#45

1,2-Dichloropropane

Concen: 48.31 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

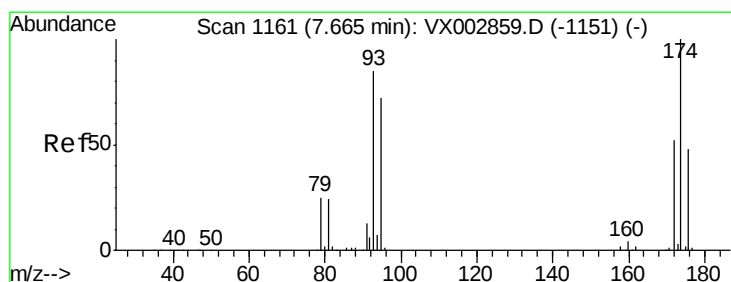
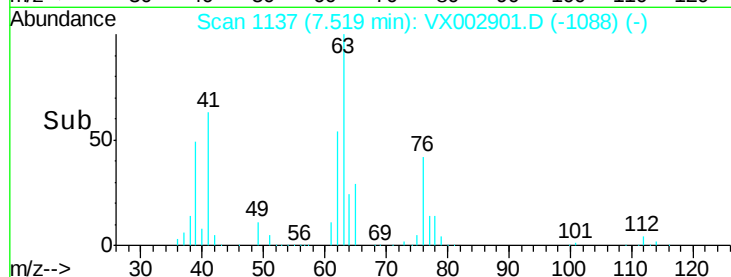
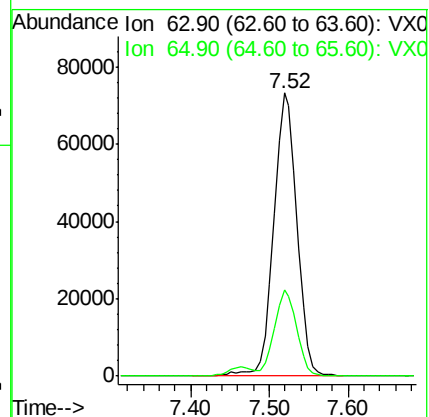
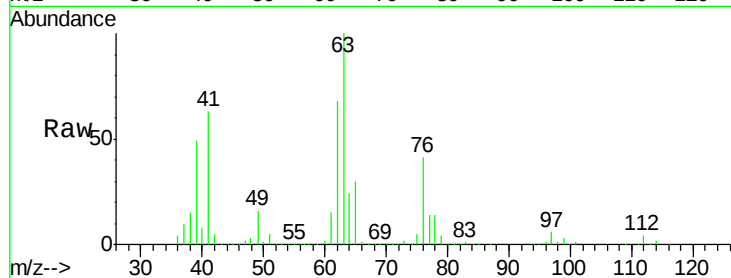
ClientSampleId :

Tot Ion: 63 Resp: 149463

Ion Ratio Lower Upper

63 100

65 30.3 24.7 37.1



#46

Dibromomethane

Concen: 47.57 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

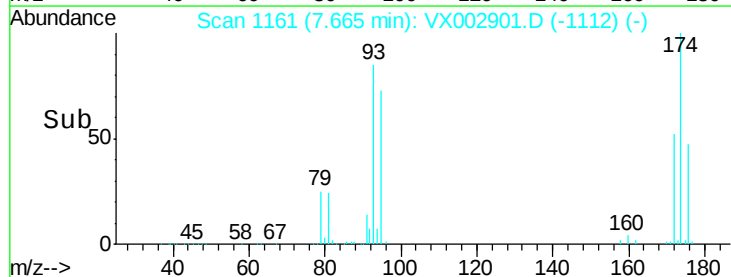
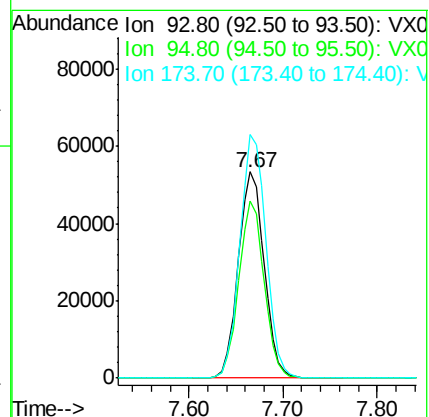
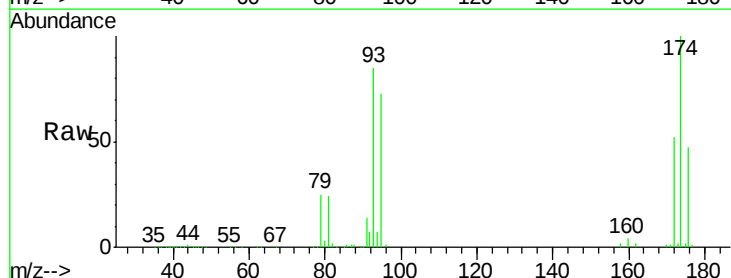
Tgt Ion: 93 Resp: 102127

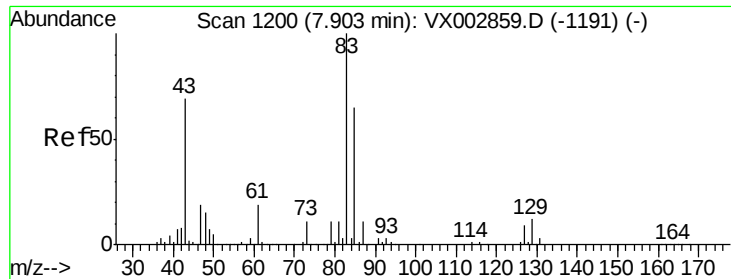
Ion Ratio Lower Upper

93 100

95 84.4 65.9 98.9

174 118.9 92.4 138.6





#47

Bromodichloromethane

Concen: 50.03 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampled :

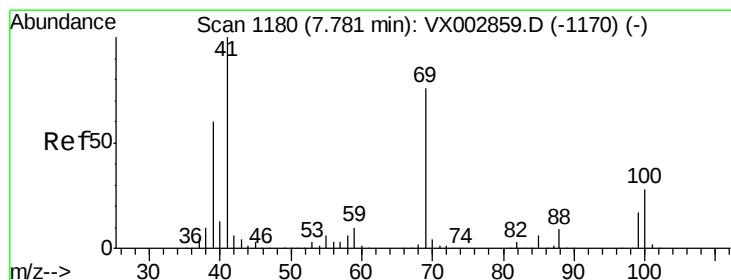
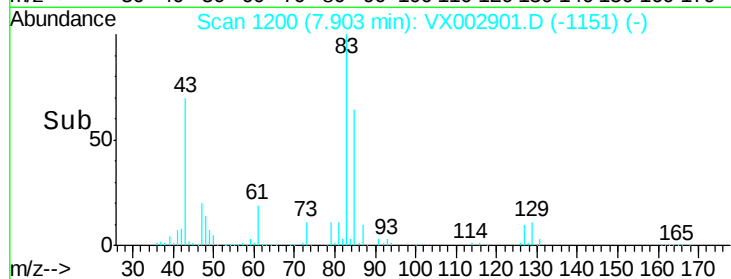
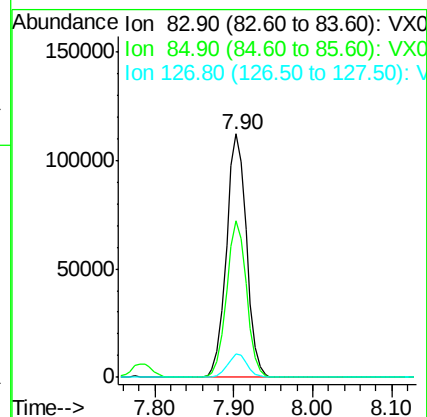
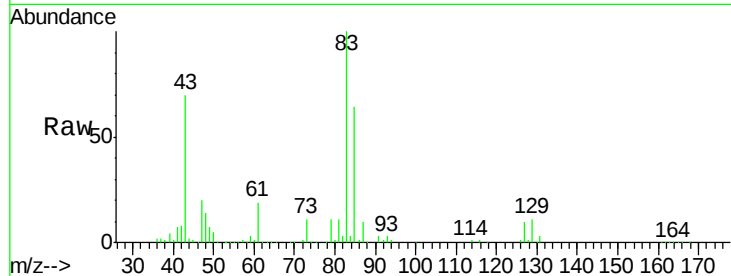
Tot Ion: 83 Resp: 198581

Ion Ratio Lower Upper

83 100

85 64.1 50.3 75.5

127 9.6 7.0 10.4



#48

Methyl methacrylate

Concen: 49.64 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

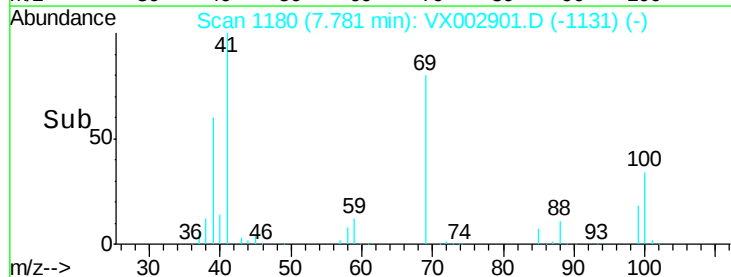
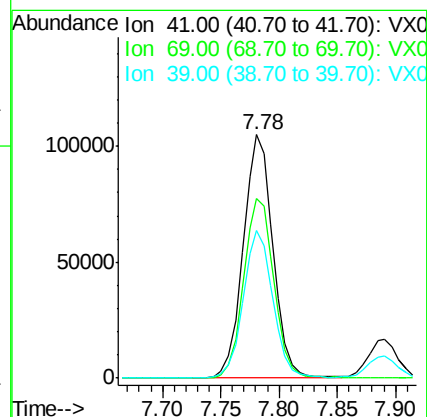
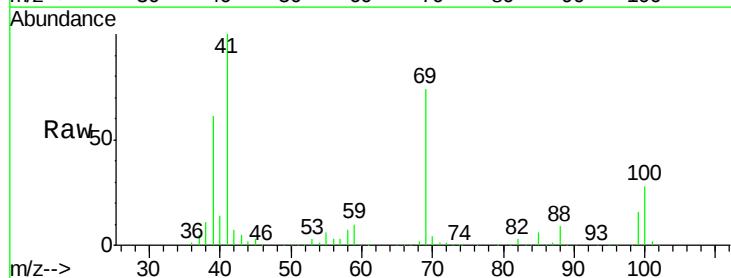
Tgt Ion: 41 Resp: 185398

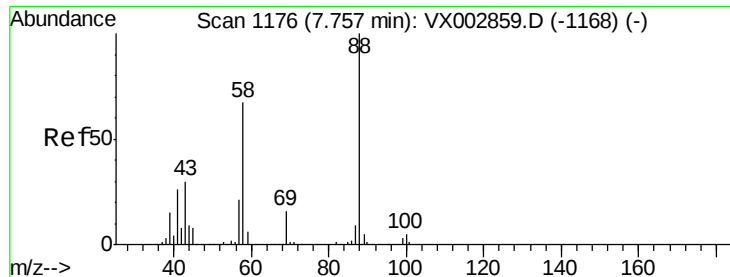
Ion Ratio Lower Upper

41 100

69 75.7 59.1 88.7

39 60.3 48.9 73.3





#49

1,4-Dioxane

Concen: 981.27 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :

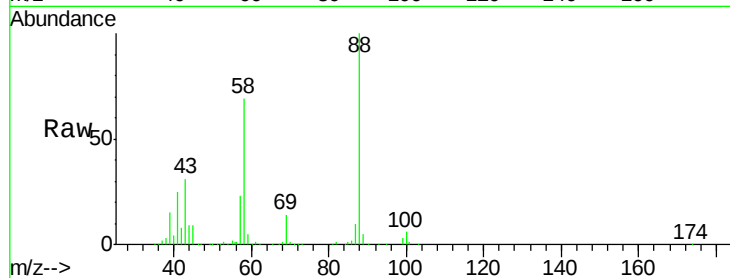
Tot Ion: 88 Resp: 71298

Ion	Ratio	Lower	Upper
88	100		
43	35.2	29.8	44.6
58	71.3	57.1	85.7

88 100

43 35.2 29.8 44.6

58 71.3 57.1 85.7

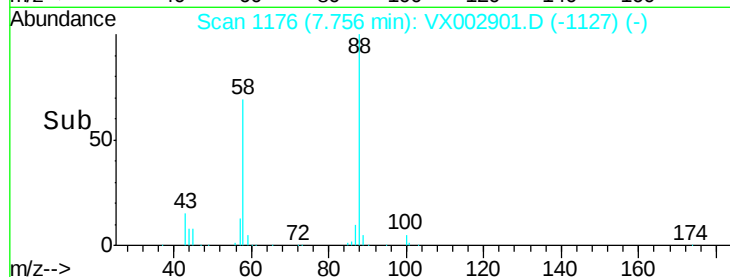


Abundance Ion 88.00 (87.70 to 88.70): VX0

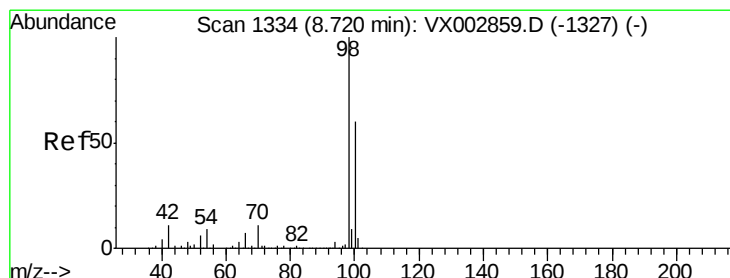
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



Time-->



#50

Toluene-d8

Concen: 50.05 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002901.D

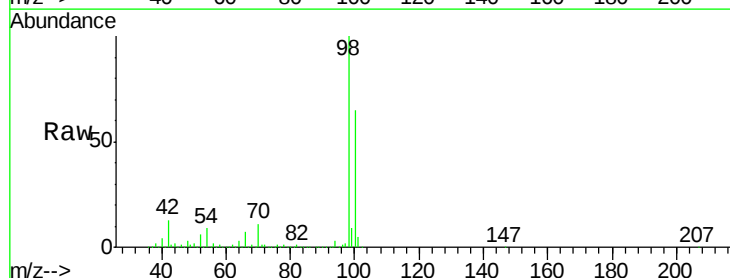
Acq: 26 Jun 2018 17:02

Tgt Ion: 98 Resp: 529734

Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3

98 100

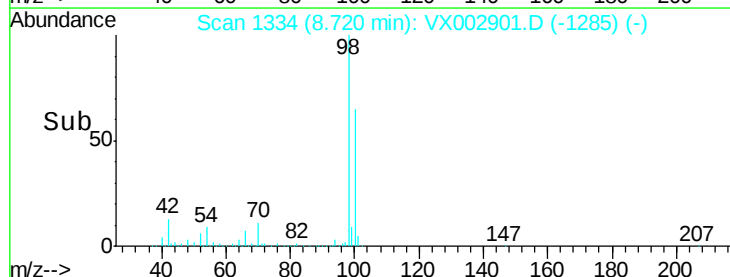
100 63.9 50.9 76.3



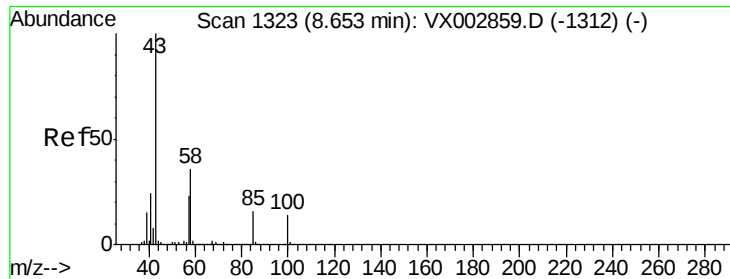
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Time-->



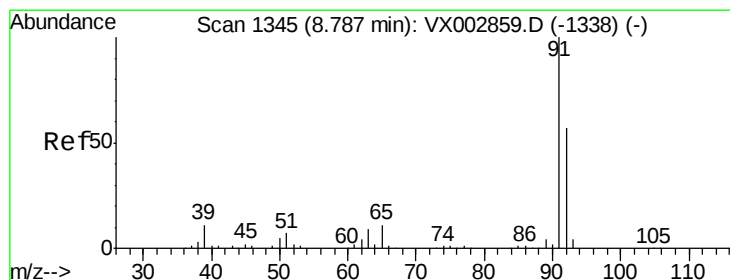
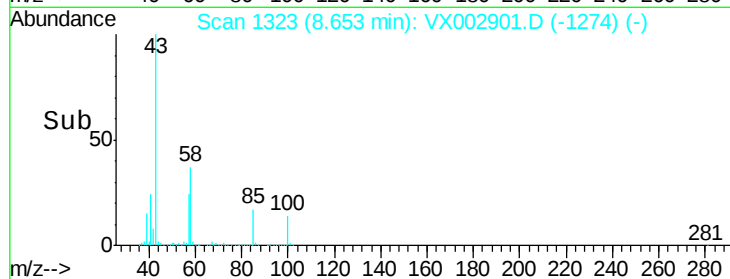
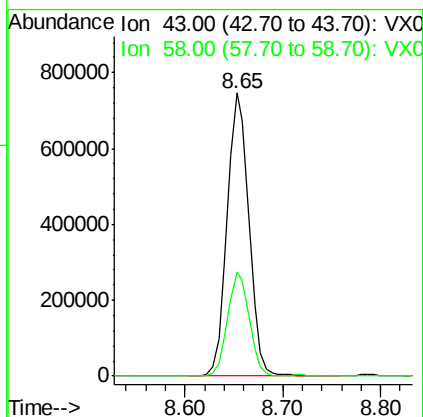
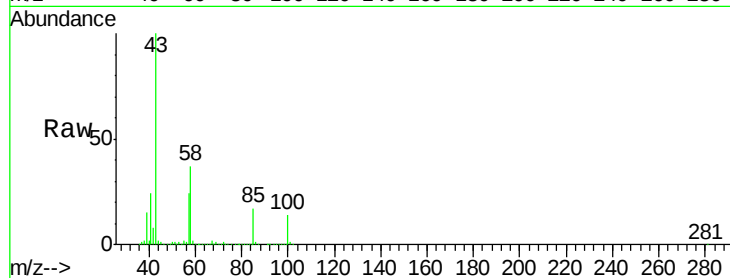
Time-->



#51
 4-Methyl-2-Pentanone
 Concen: 254.26 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

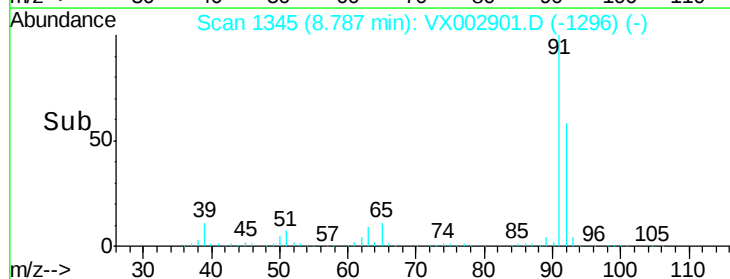
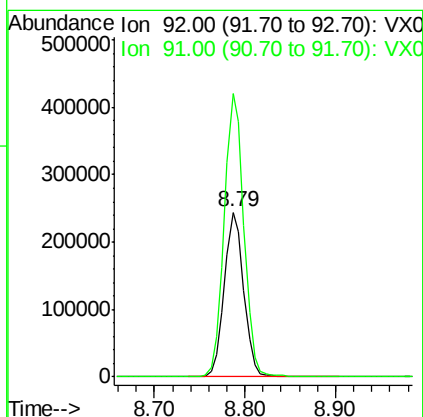
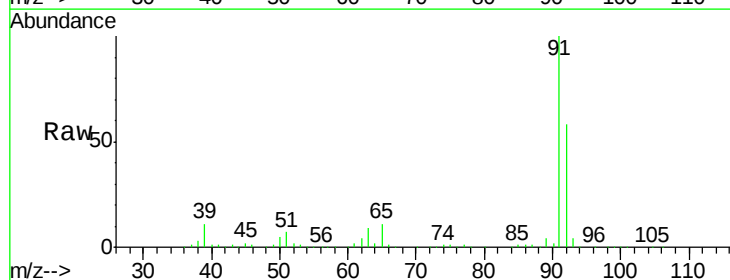
Instrument :
 MSVOA_X
 ClientSampleId :

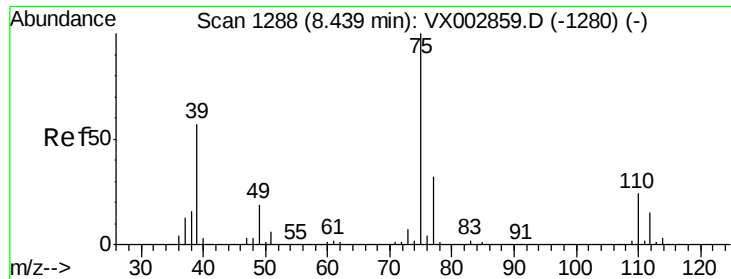
Tot Ion: 43 Resp: 1153027
 Ion Ratio Lower Upper
 43 100
 58 36.4 28.6 42.8



#52
 Toluene
 Concen: 48.78 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion: 92 Resp: 364442
 Ion Ratio Lower Upper
 92 100
 91 173.6 140.4 210.6

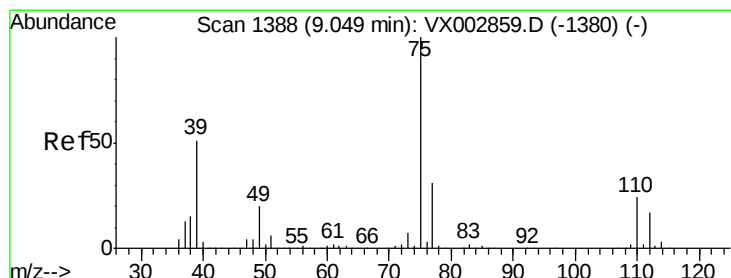
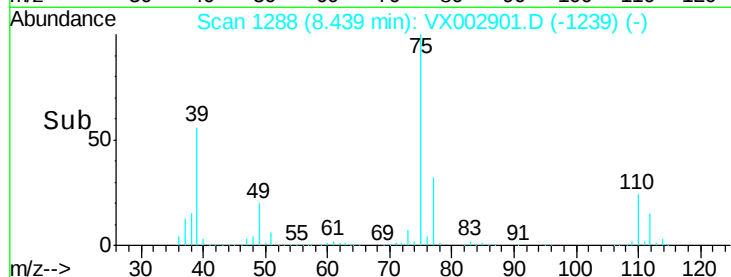
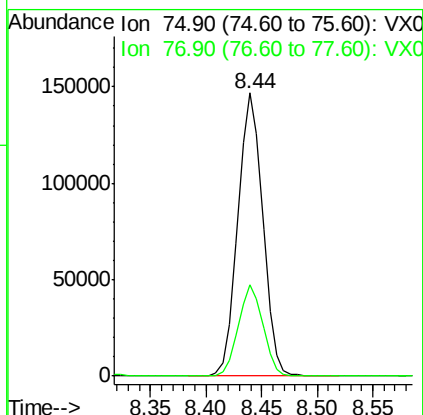
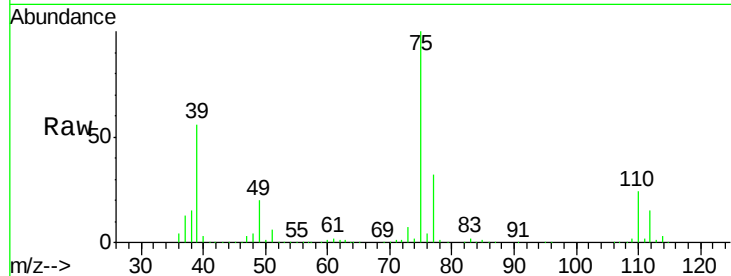




#53
t-1,3-Dichloropropene
Concen: 50.81 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

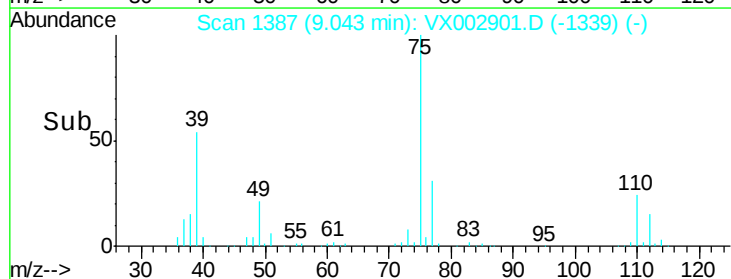
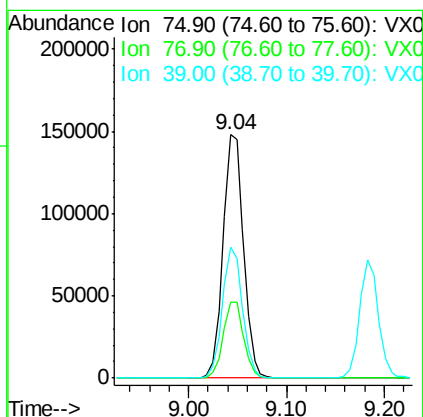
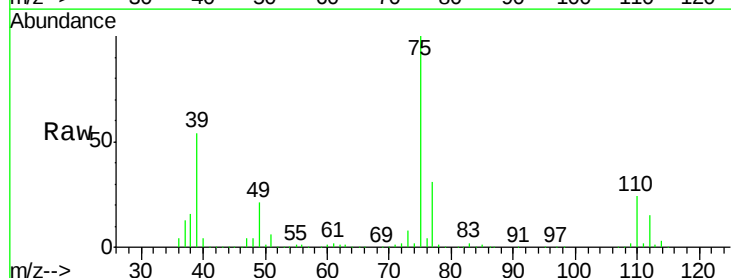
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 228373
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 49.70 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 75 Resp: 214946
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 53.7 42.4 63.6

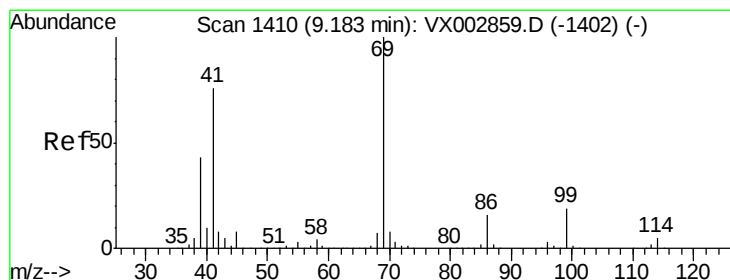
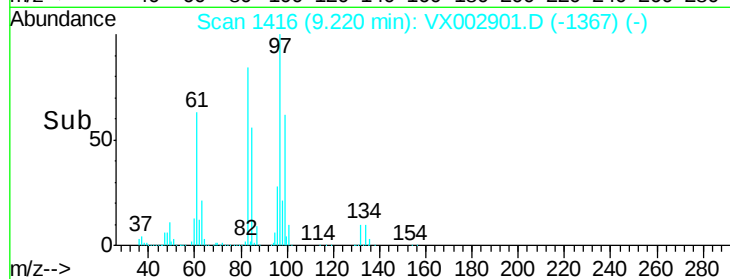
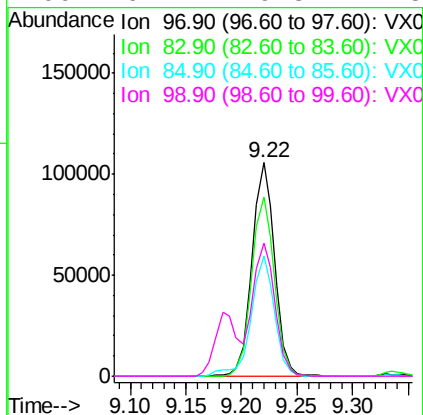
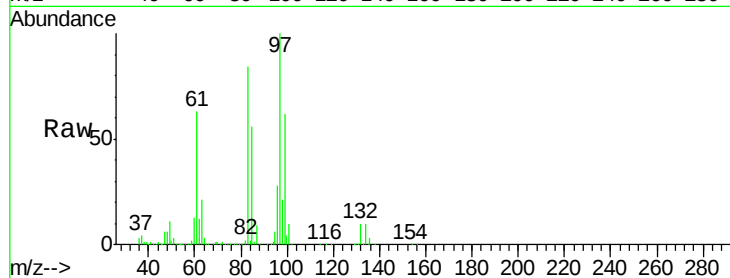




#55
 1,1,2-Trichloroethane
 Concen: 48.84 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

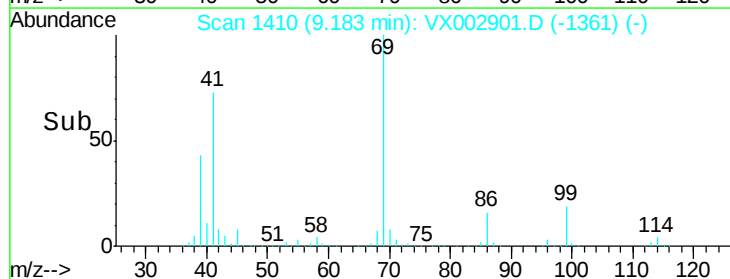
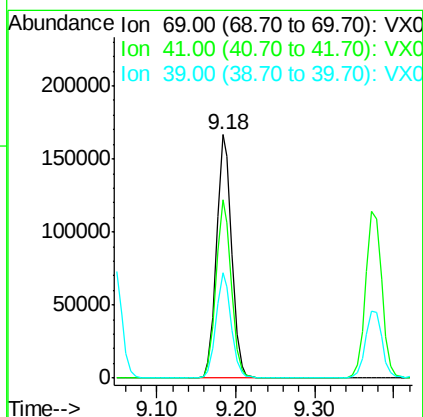
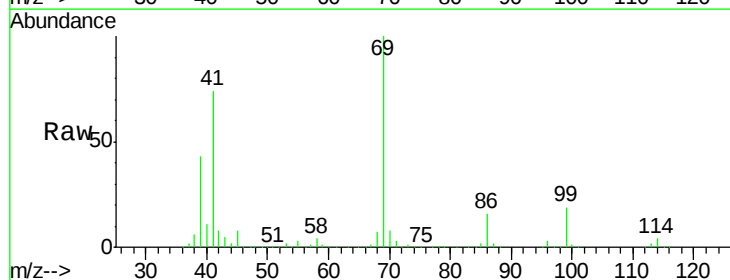
Instrument :
 MSVOA_X
 ClientSampleId :

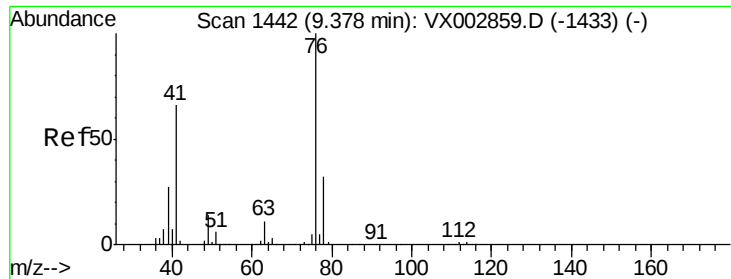
Tot Ion:	97	Resp:	149950
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.2	105.2
85	56.4	44.9	67.3
99	62.1	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 50.07 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion:	69	Resp:	224666
Ion	Ratio	Lower	Upper
69	100		
41	73.0	60.3	90.5
39	42.4	35.8	53.8





#57

1,3-Dichloropropane

Concen: 48.24 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

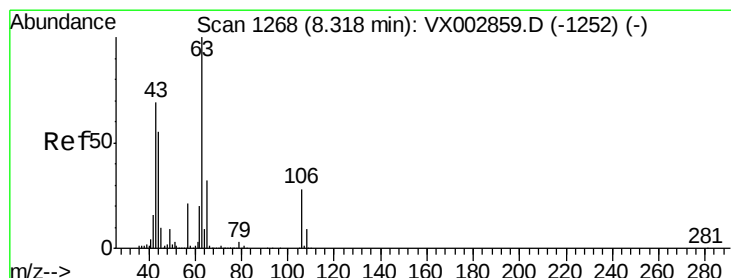
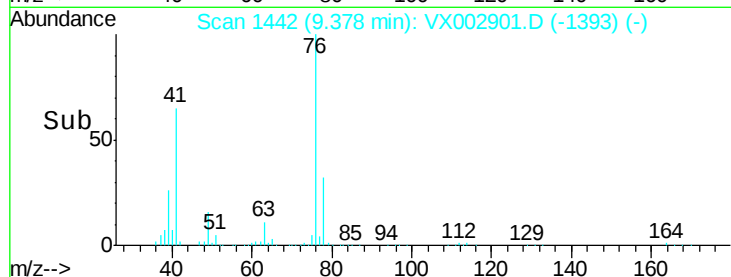
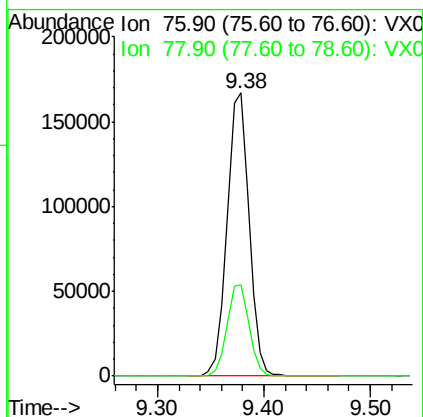
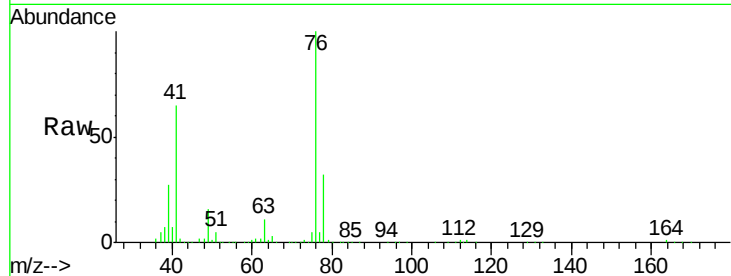
ClientSampleId :

Tot Ion: 76 Resp: 243233

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 262.93 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002901.D

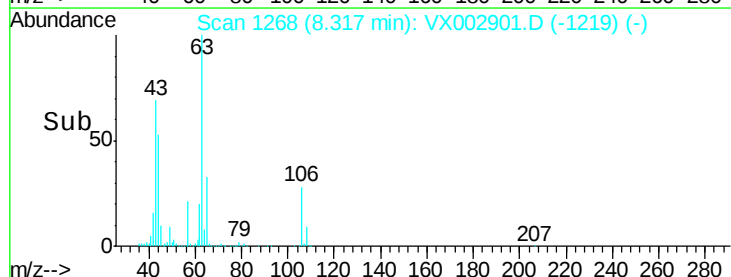
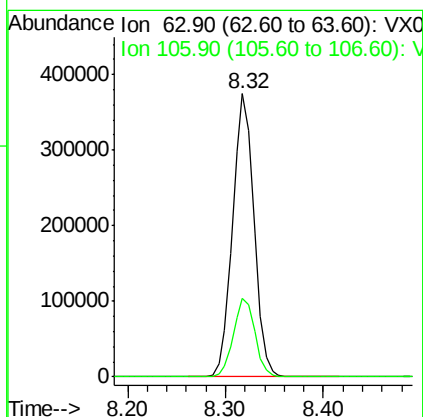
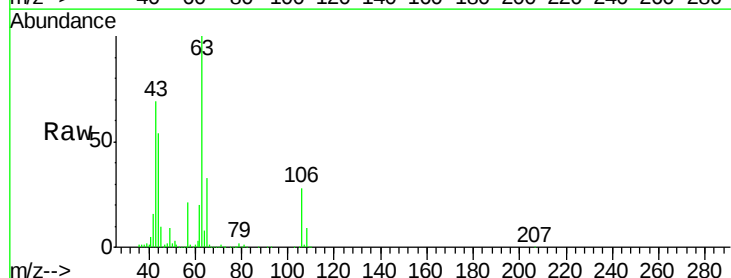
Acq: 26 Jun 2018 17:02

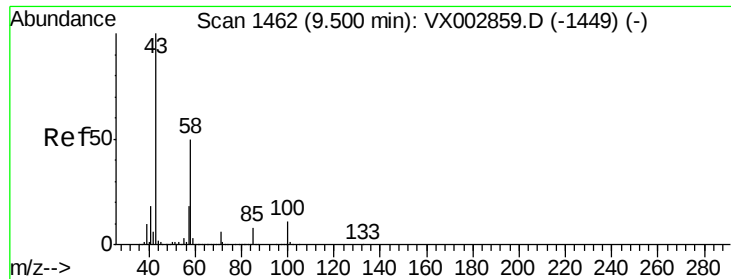
Tgt Ion: 63 Resp: 569141

Ion Ratio Lower Upper

63 100

106 28.0 21.8 32.8

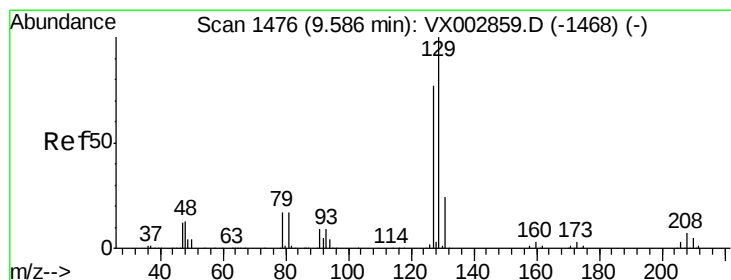
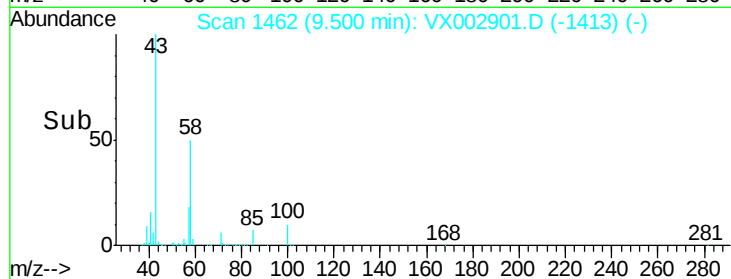
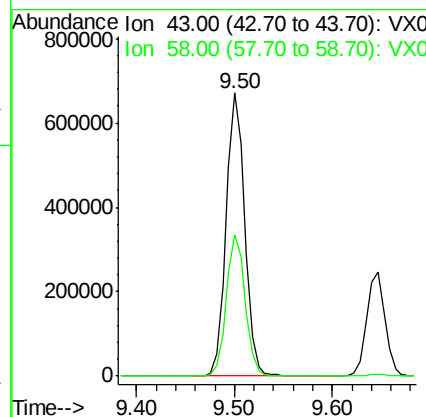
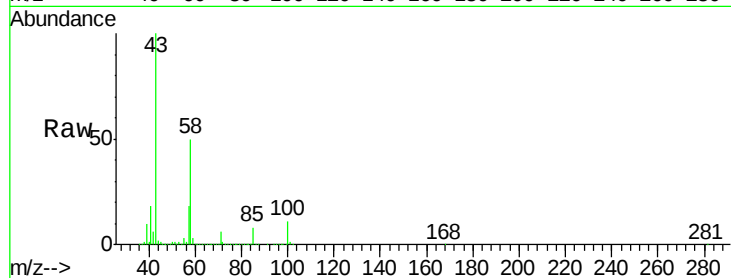




#59
2-Hexanone
Concen: 257.37 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

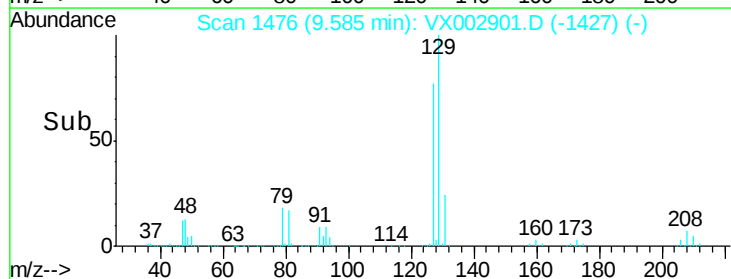
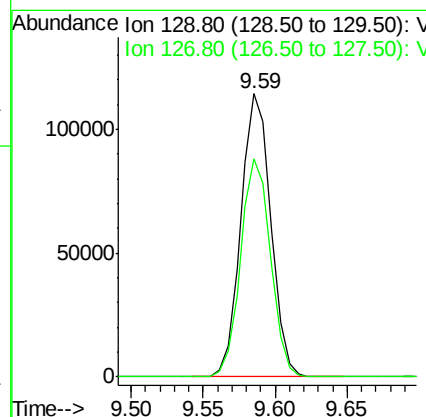
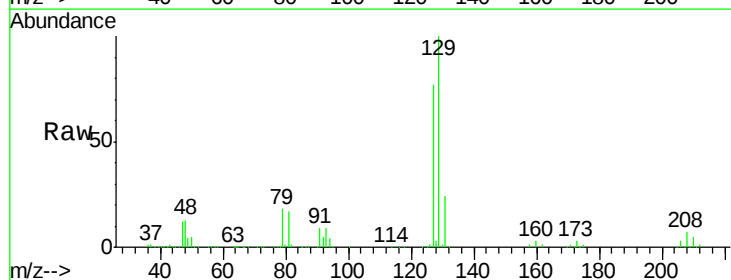
Instrument :
MSVOA_X
ClientSampleId :

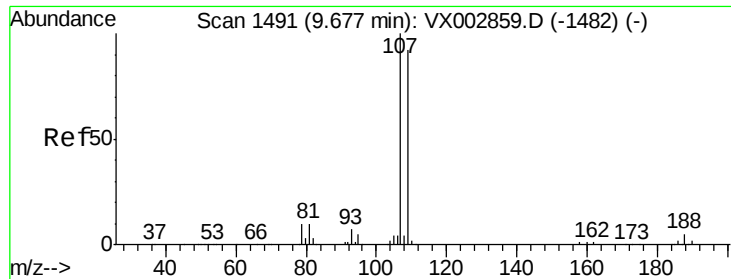
Tot Ion: 43 Resp: 887029
Ion Ratio Lower Upper
43 100
58 50.3 24.6 73.6



#60
Dibromochloromethane
Concen: 50.96 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 129 Resp: 164680
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 49.01 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

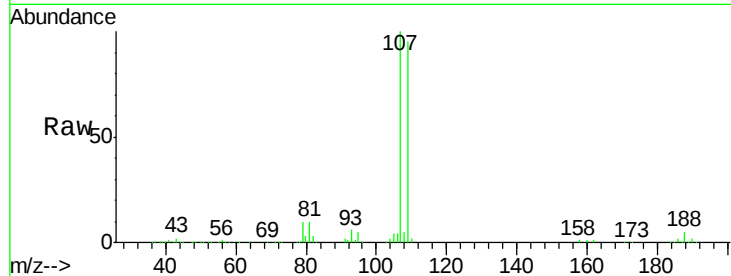
ClientSampleId :

Tot Ion:107 Resp: 157835

Ion Ratio Lower Upper

107 100

109 94.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

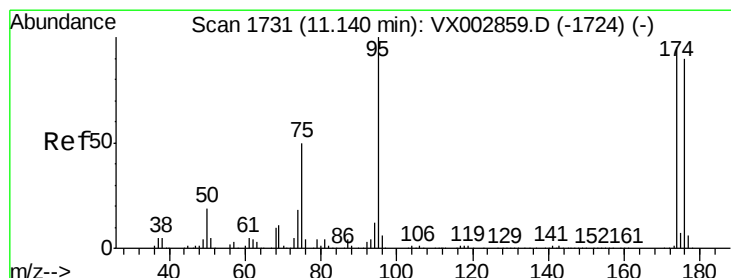
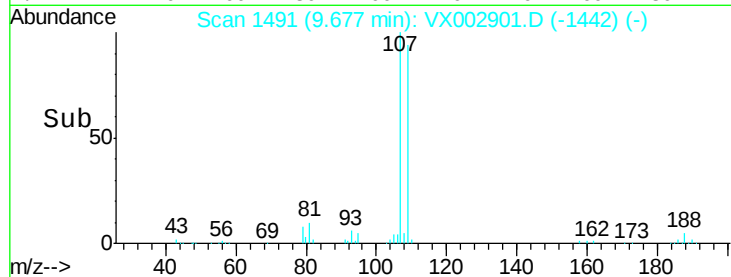
9.68

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

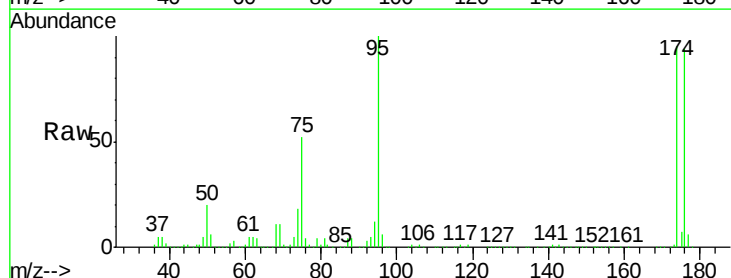
Tgt Ion: 95 Resp: 204392

Ion Ratio Lower Upper

95 100

174 96.8 0.0 187.4

176 94.4 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

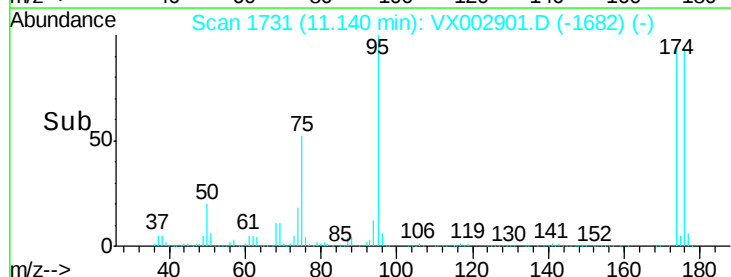
150000

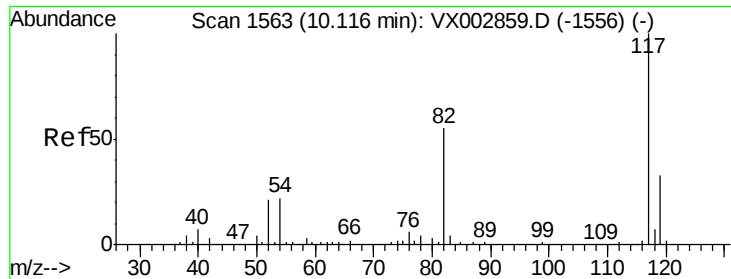
100000

50000

0

Time-->

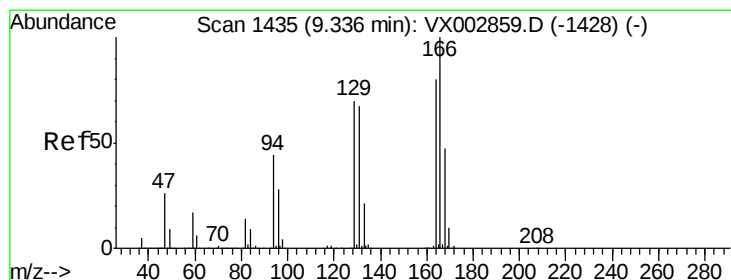
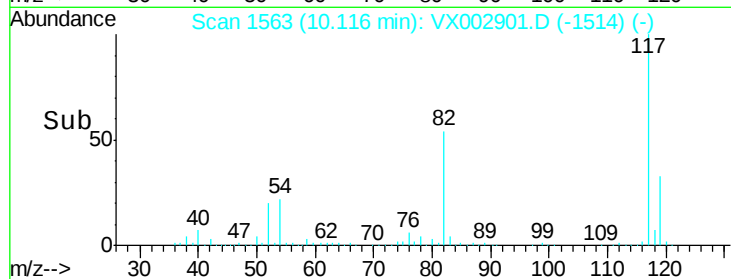
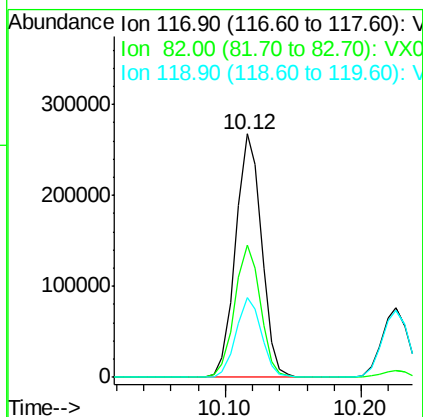
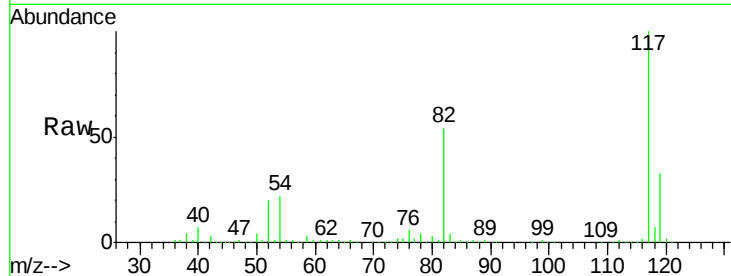




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

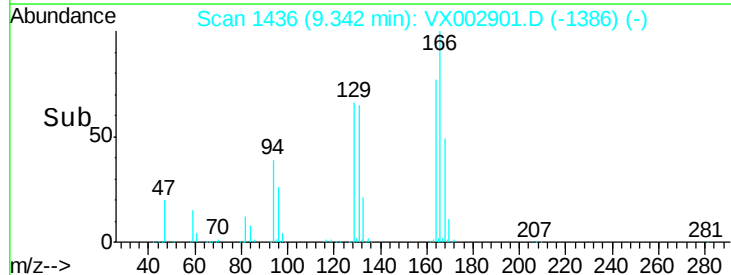
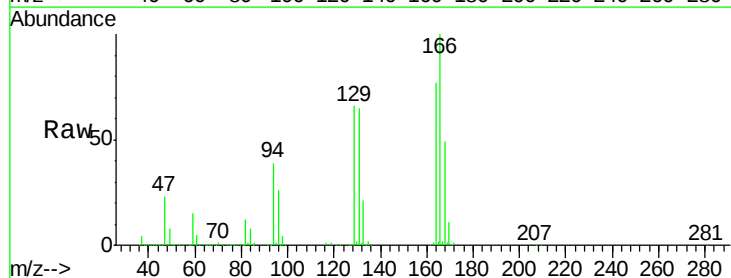
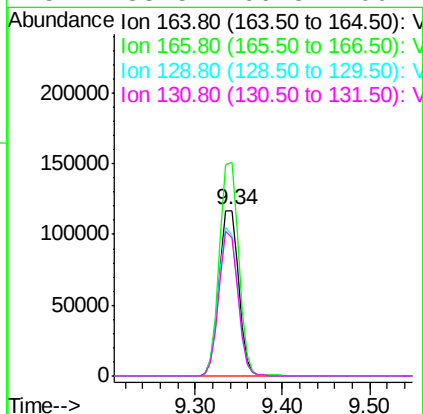
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 355862
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 45.51 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion:164 Resp: 180067
Ion Ratio Lower Upper
164 100
166 129.1 102.9 154.3
129 84.9 68.6 102.8
131 83.5 66.8 100.2





#65

Chlorobenzene

Concen: 46.53 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

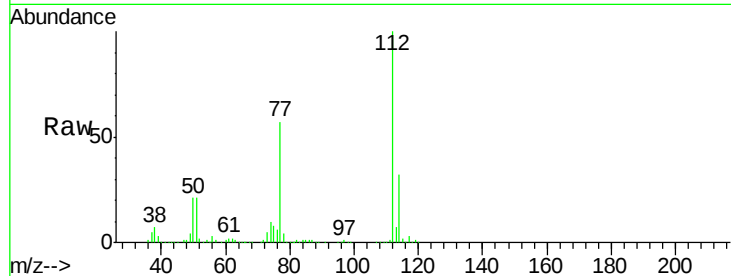
ClientSampled :

Tot Ion:112 Resp: 420595

Ion Ratio Lower Upper

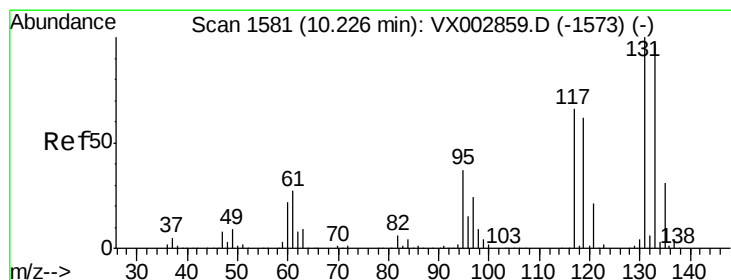
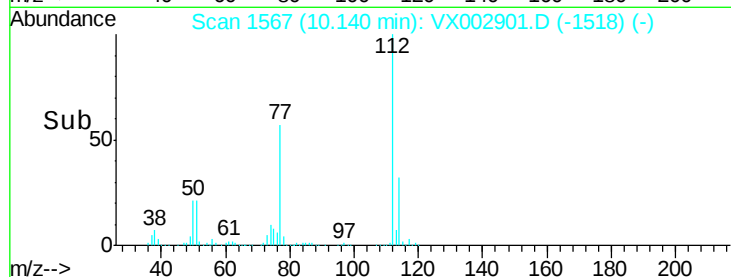
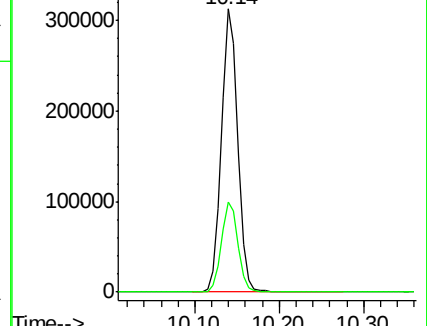
112 100

114 31.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.12 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

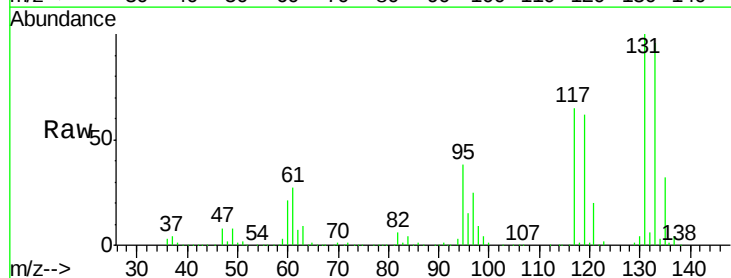
Tgt Ion:131 Resp: 158012

Ion Ratio Lower Upper

131 100

133 95.6 47.9 143.6

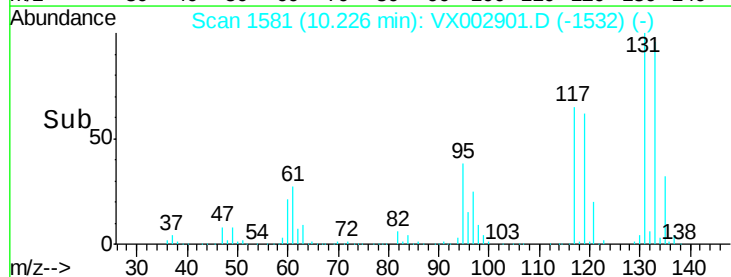
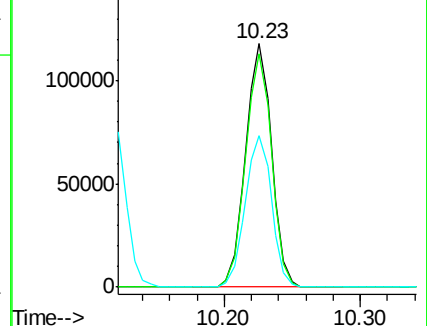
119 63.0 31.8 95.3

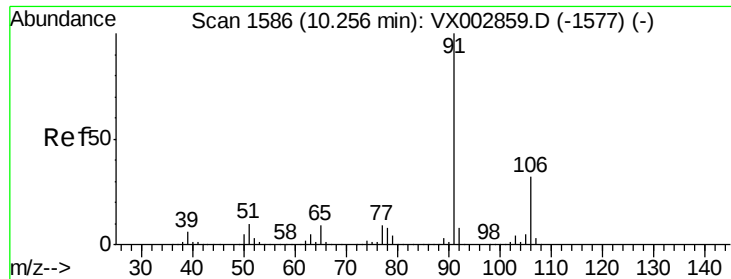


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

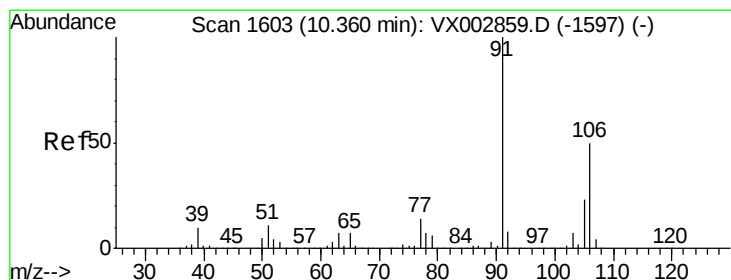
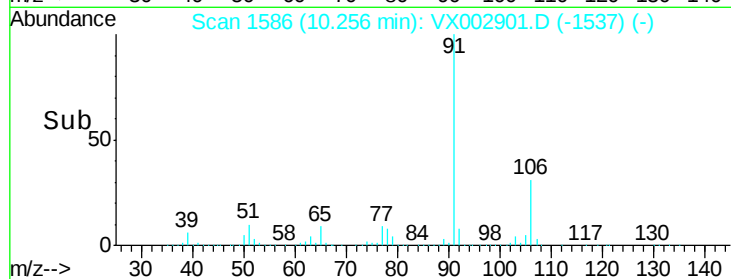
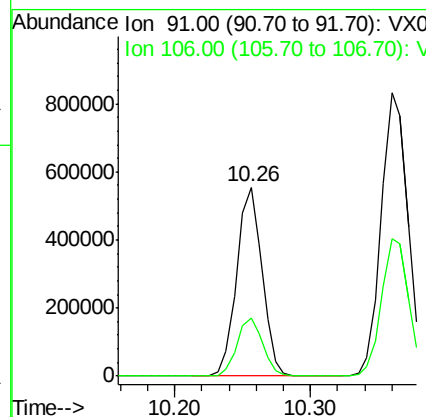
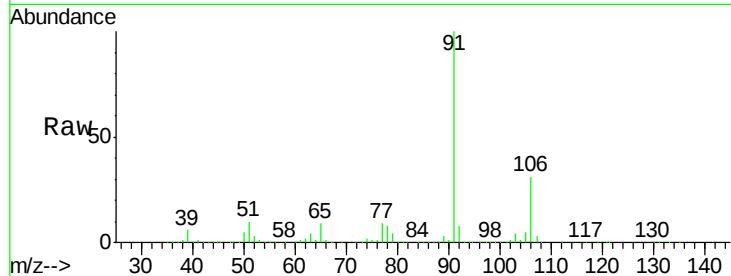




#67
Ethyl Benzene
Concen: 48.39 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

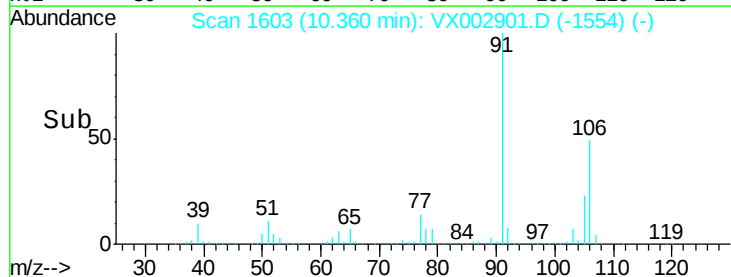
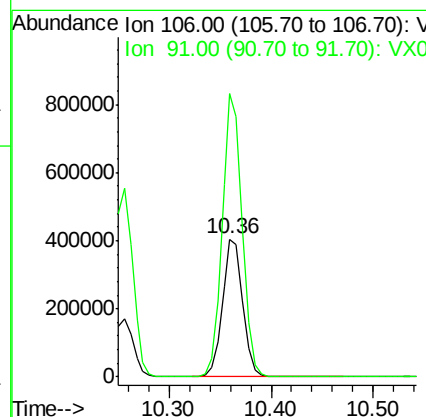
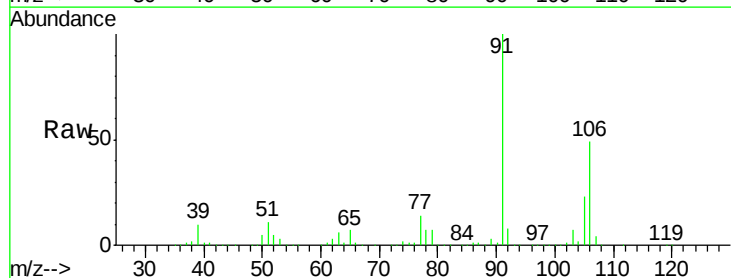
Instrument :
MSVOA_X
ClientSampled :

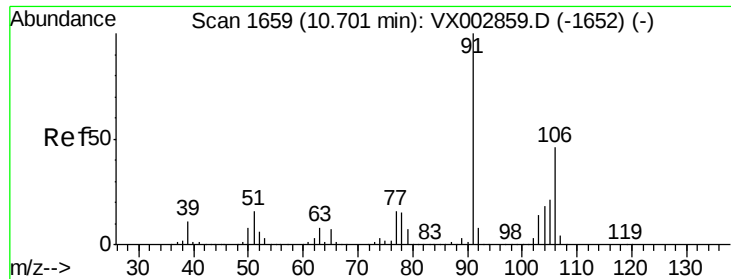
Tot Ion: 91 Resp: 722500
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3



#68
m/p-Xylenes
Concen: 97.04 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 106 Resp: 558415
Ion Ratio Lower Upper
106 100
91 202.8 163.4 245.2

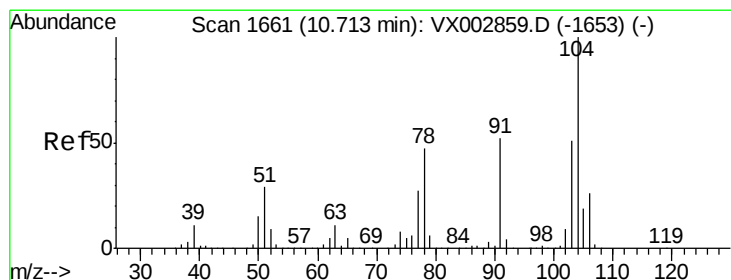
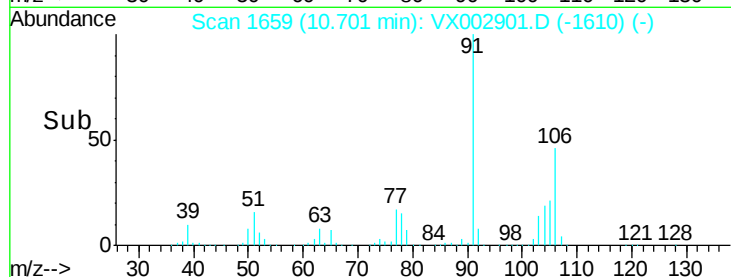
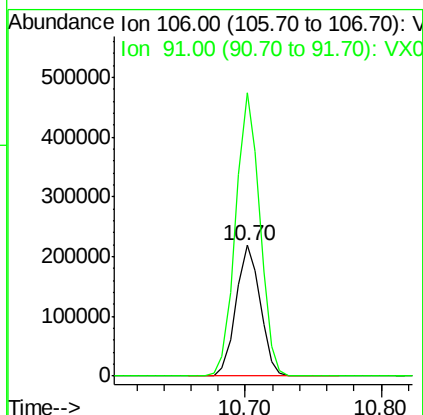
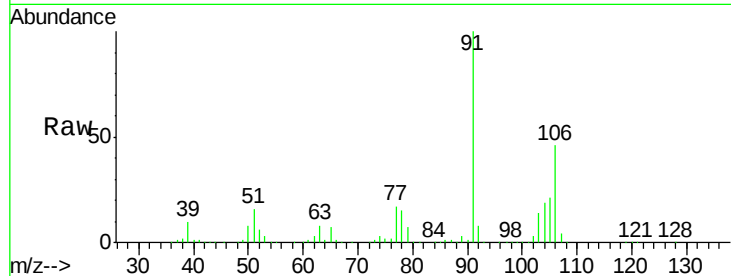




#69
o-Xylene
Concen: 48.58 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

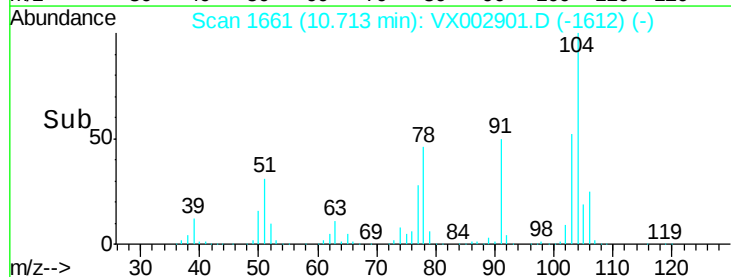
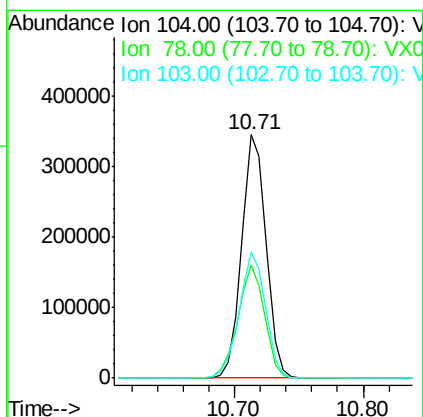
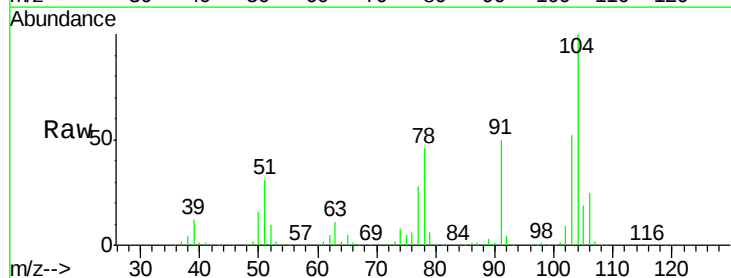
Instrument :
MSVOA_X
ClientSampled :

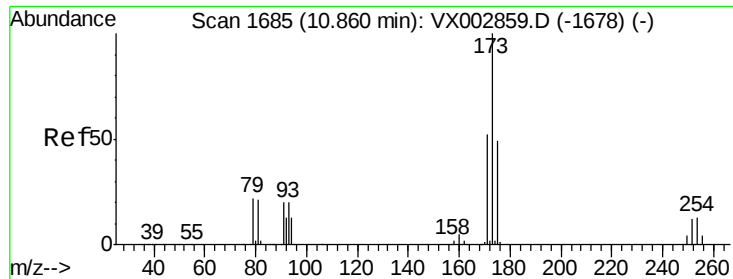
Tot Ion:106 Resp: 272191
Ion Ratio Lower Upper
106 100
91 216.1 108.2 324.6



#70
Styrene
Concen: 49.60 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion:104 Resp: 451639
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.6
103 55.9 44.2 66.4

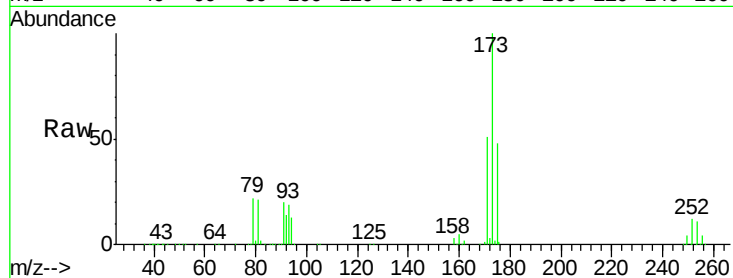




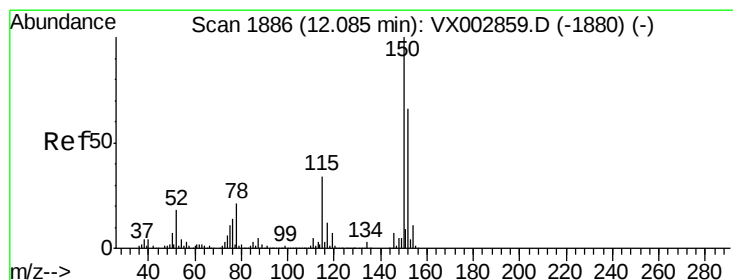
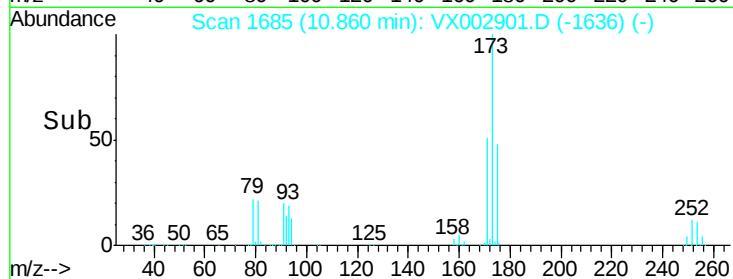
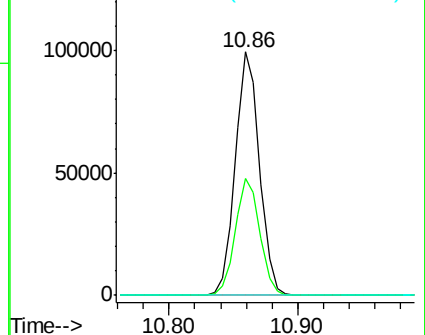
#71
Bromoform
Concen: 44.31 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 130033
Ion Ratio Lower Upper
173 100
175 48.5 24.7 74.1
254 0.2 0.2 0.2

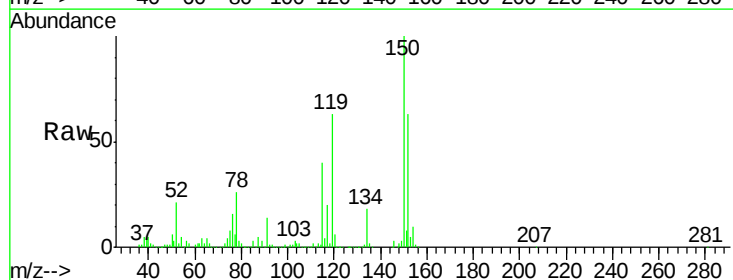


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

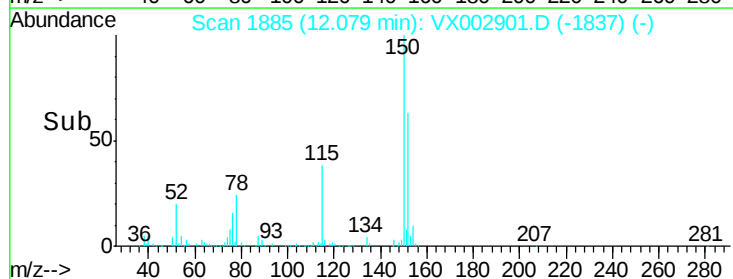
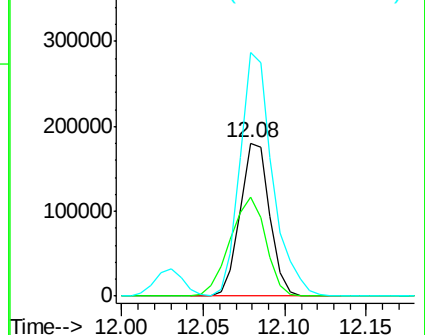


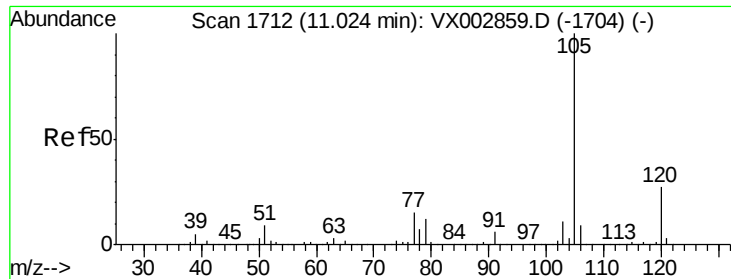
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion:152 Resp: 227382
Ion Ratio Lower Upper
152 100
115 78.5 40.1 120.2
150 176.1 0.0 347.2



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





#73

Isopropylbenzene

Concen: 48.80 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

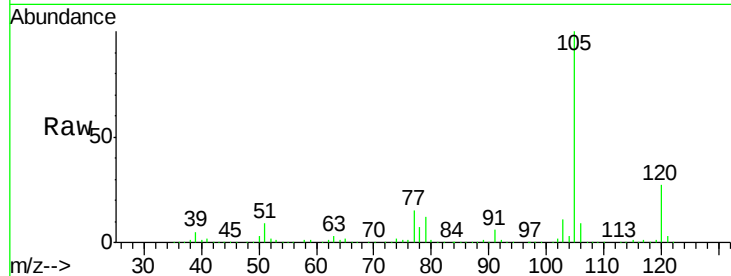
ClientSampleId :

Tot Ion:105 Resp: 746492

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

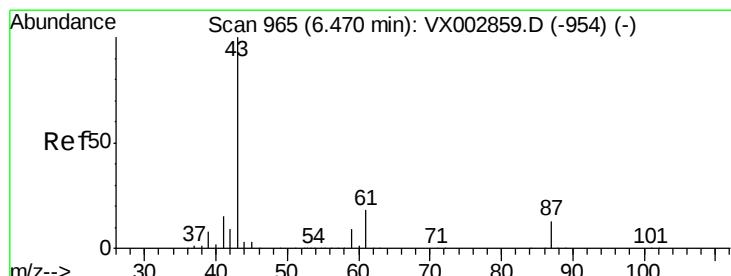
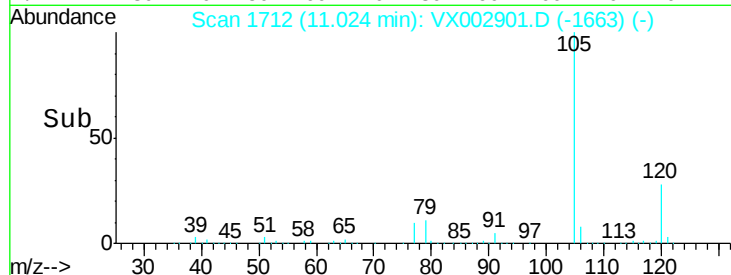
200000

0

11.02

11.00 11.10

Time-->



#74

N-ethyl acetate

Concen: 46.81 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion: 43 Resp: 350370

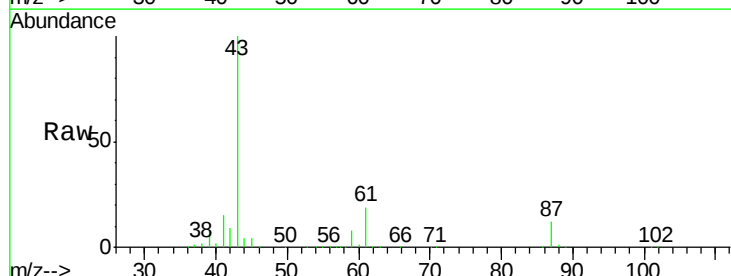
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

61 18.4 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

150000

100000

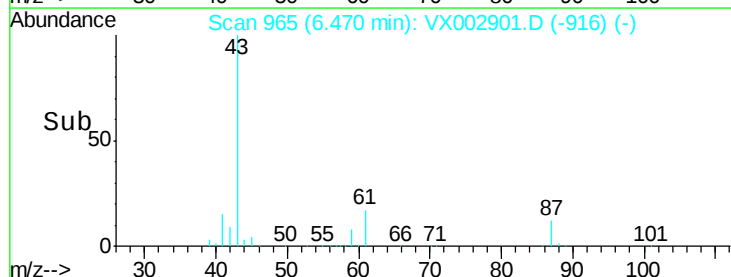
50000

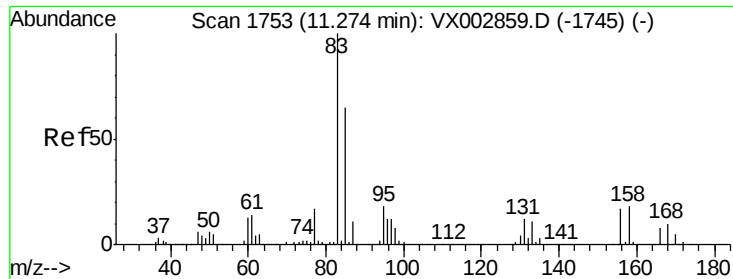
0

6.47

6.30 6.40 6.50 6.60 6.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.75 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampled :

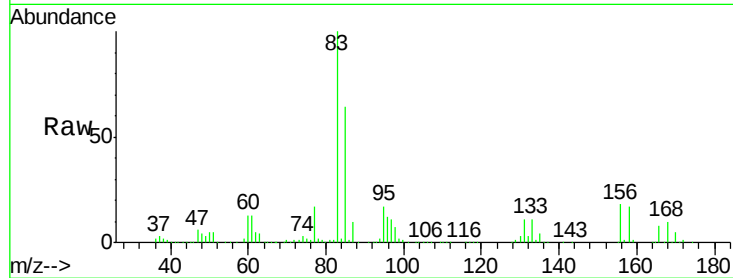
Tot Ion: 83 Resp: 229714

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

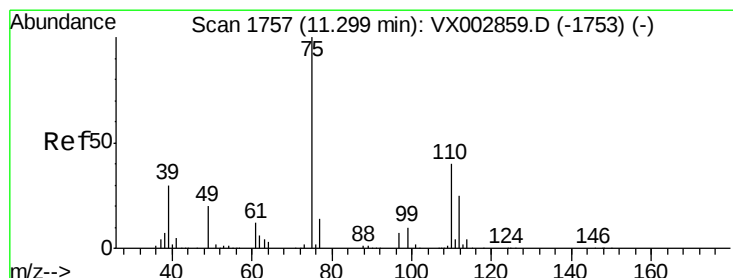
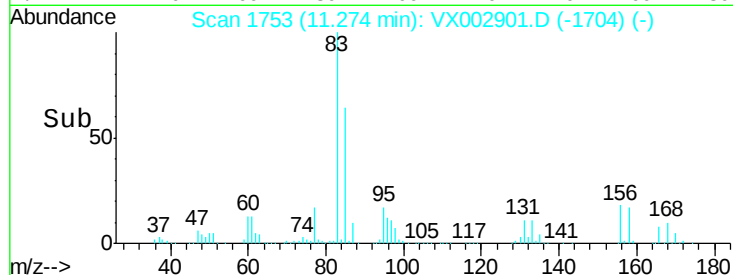
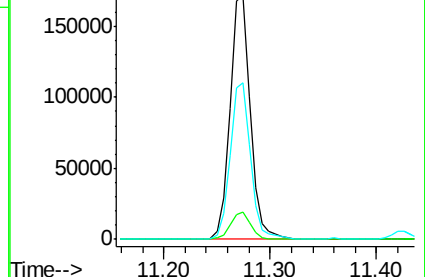
85 64.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 63.64 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002901.D

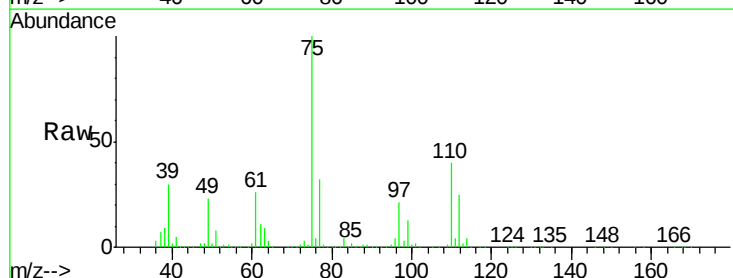
Acq: 26 Jun 2018 17:02

Tgt Ion: 75 Resp: 262097

Ion Ratio Lower Upper

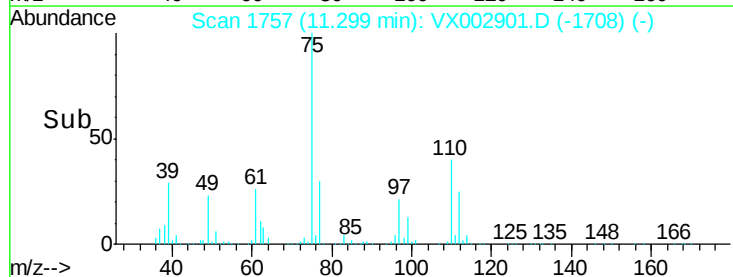
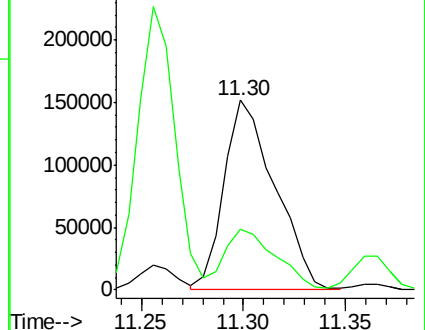
75 100

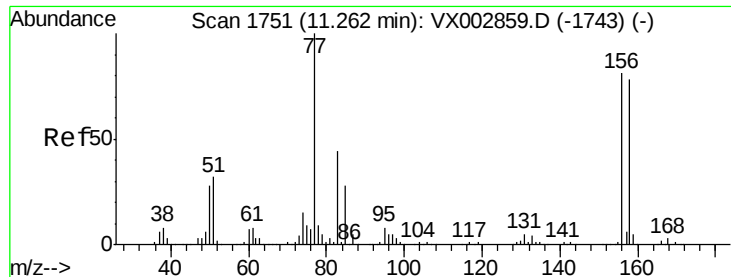
77 32.4 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.31 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampled :

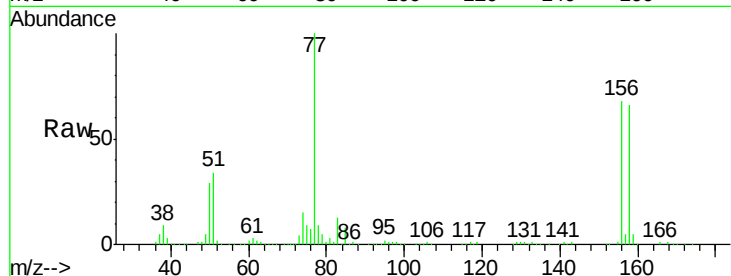
Tot Ion:156 Resp: 206098

Ion Ratio Lower Upper

156 100

77 139.3 71.4 214.2

158 97.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

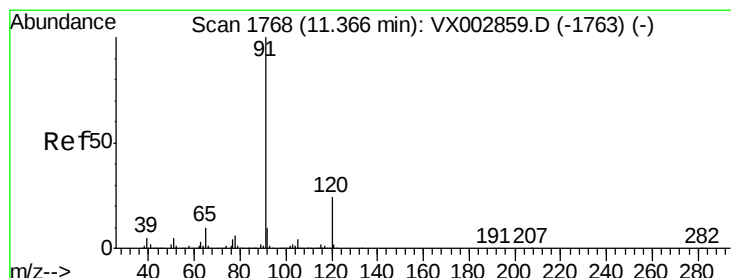
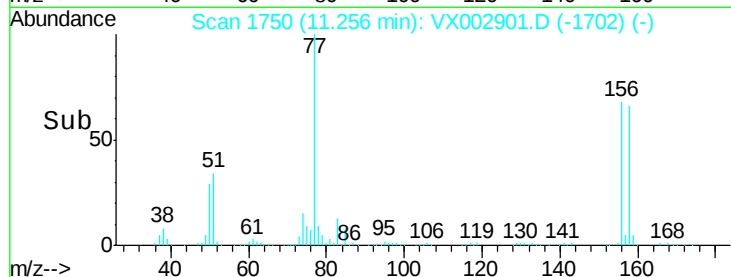
Ion 157.80 (157.50 to 158.50): V

Time-->

11.26

11.30

11.40



#78

n-propylbenzene

Concen: 48.81 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002901.D

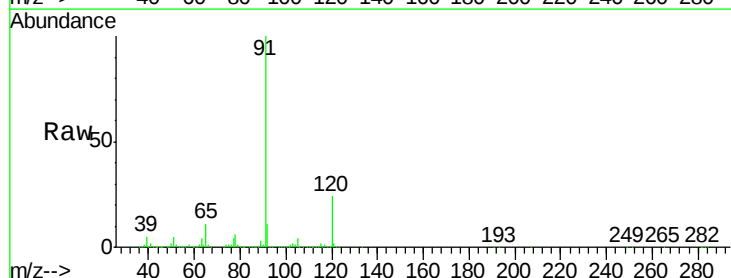
Acq: 26 Jun 2018 17:02

Tgt Ion: 91 Resp: 849936

Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4



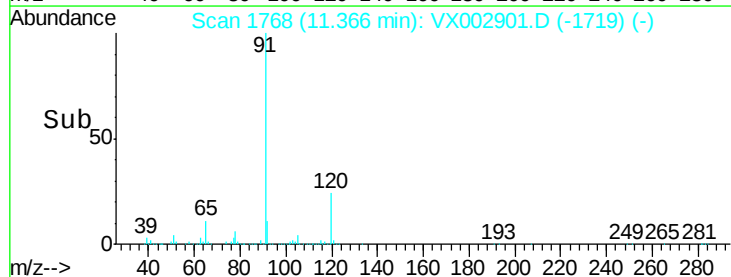
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

Time-->

11.37

11.40





#79

2-Chlorotoluene

Concen: 47.43 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

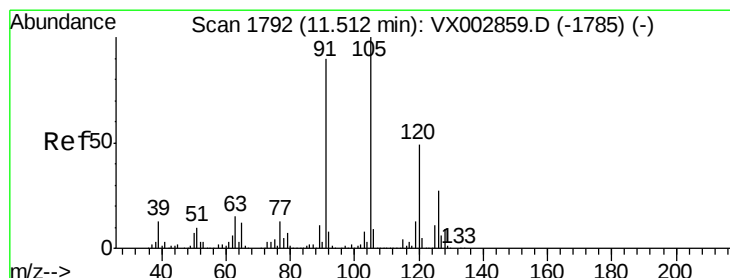
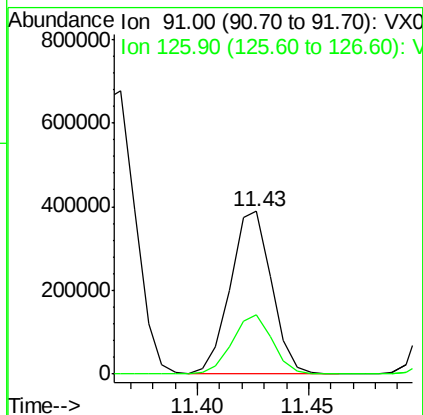
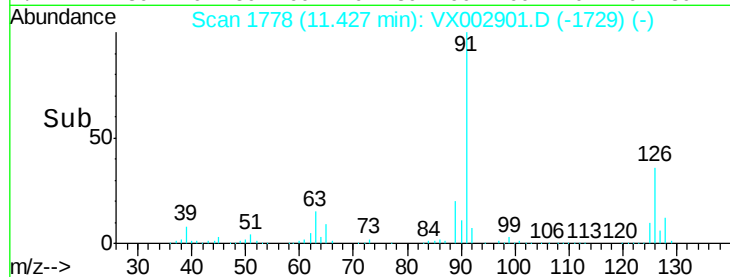
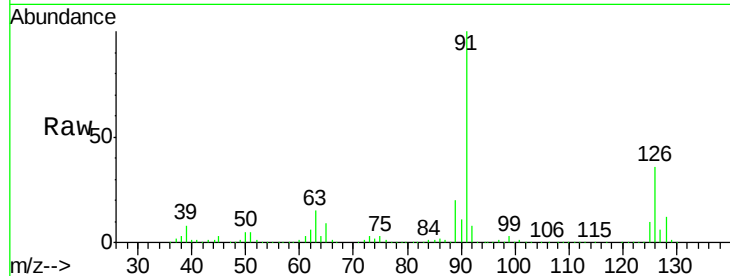
ClientSampleId :

Tot Ion: 91 Resp: 499972

Ion Ratio Lower Upper

91 100

126 35.7 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 49.10 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002901.D

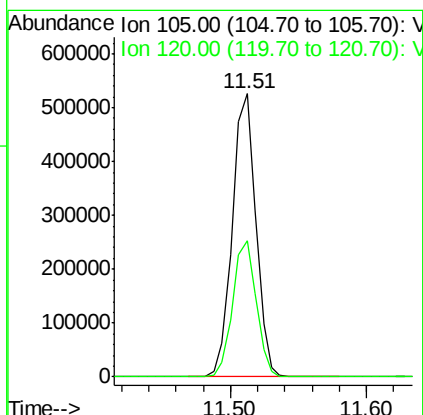
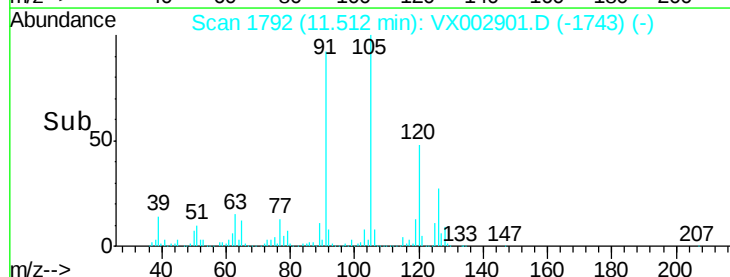
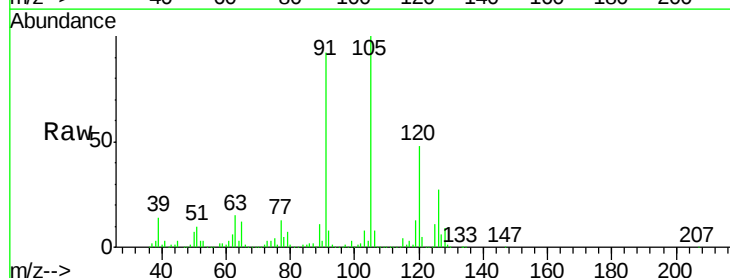
Acq: 26 Jun 2018 17:02

Tgt Ion: 105 Resp: 632546

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 43.70 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampled :

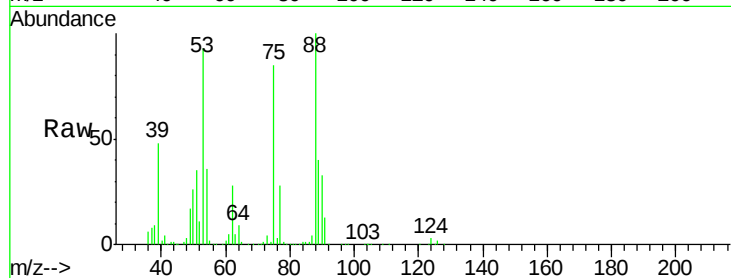
Tot Ion: 75 Resp: 61391

Ion Ratio Lower Upper

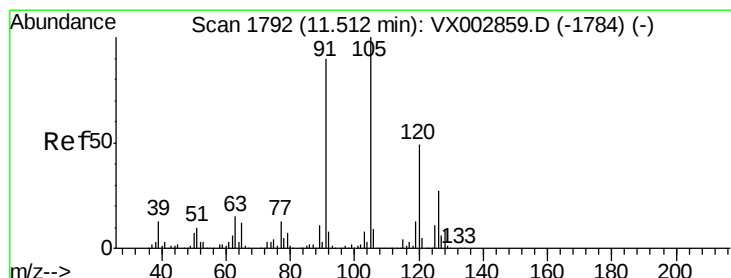
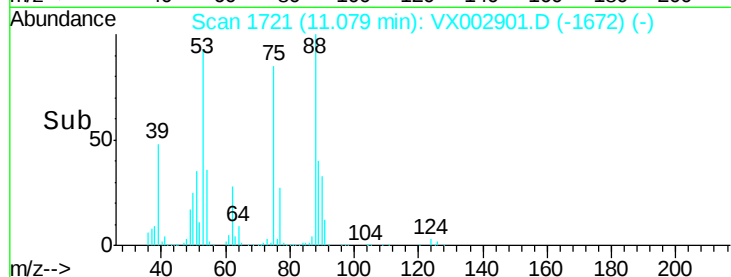
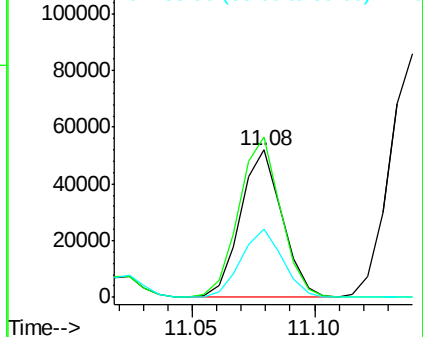
75 100

53 109.5 86.8 130.2

89 46.7 38.2 57.2



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



#82

4-Chlorotoluene

Concen: 48.22 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002901.D

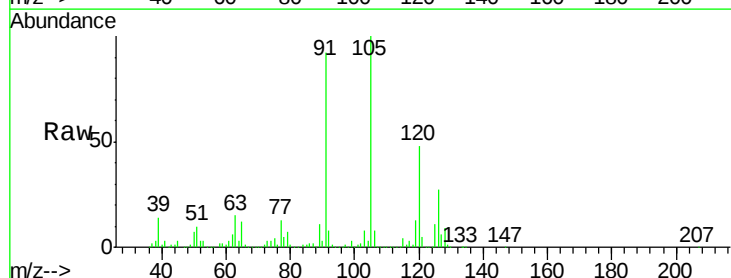
Acq: 26 Jun 2018 17:02

Tgt Ion: 91 Resp: 601748

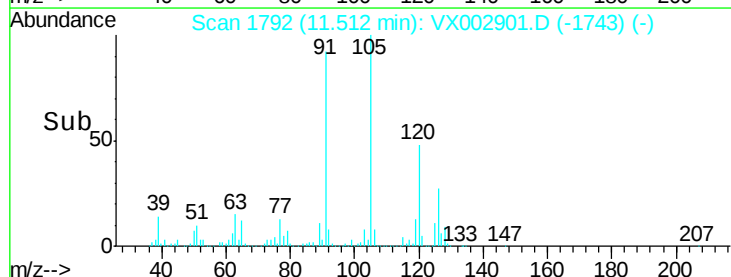
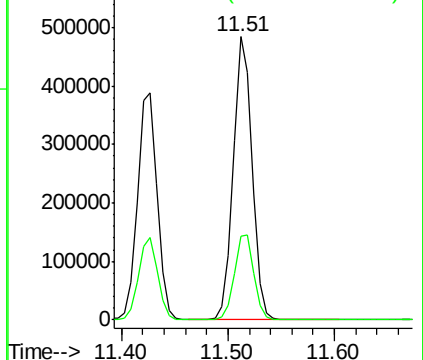
Ion Ratio Lower Upper

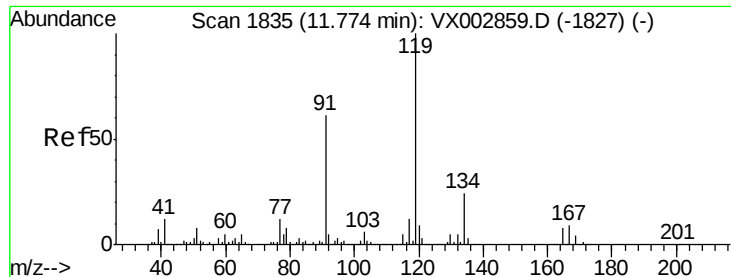
91 100

126 31.0 15.4 46.4



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

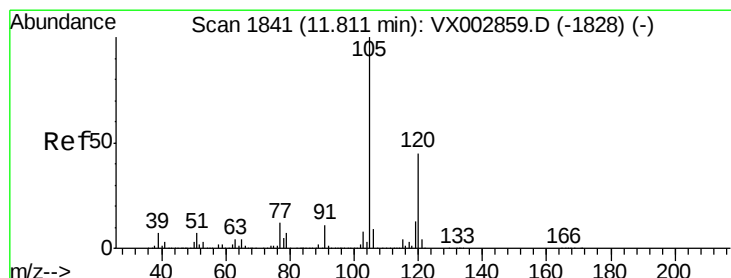
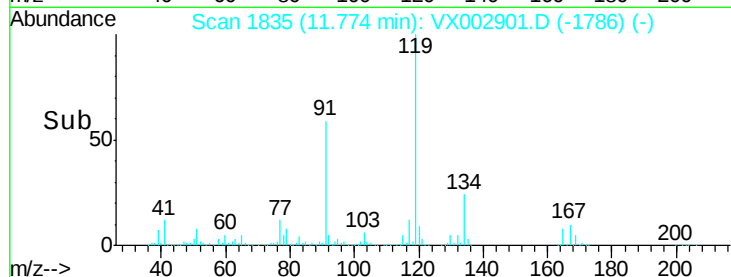
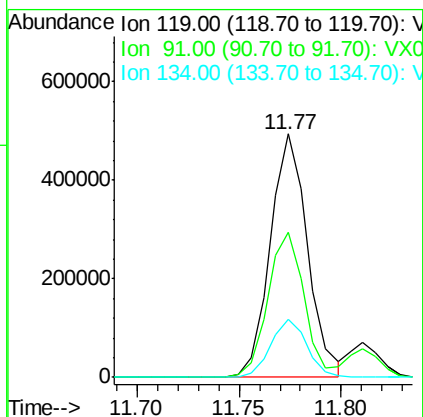
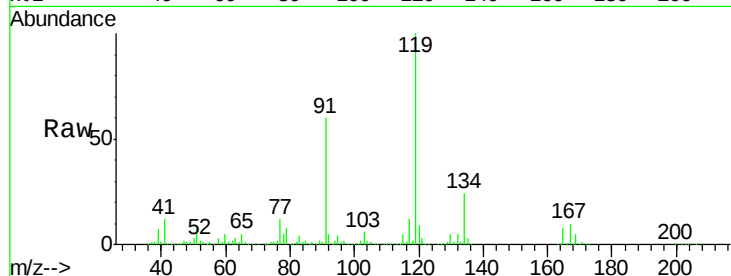




#83
 tert-Butylbenzene
 Concen: 49.56 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

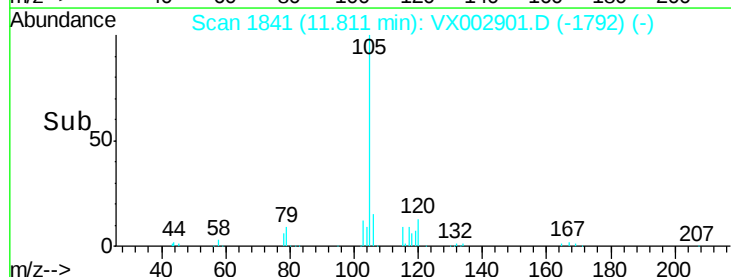
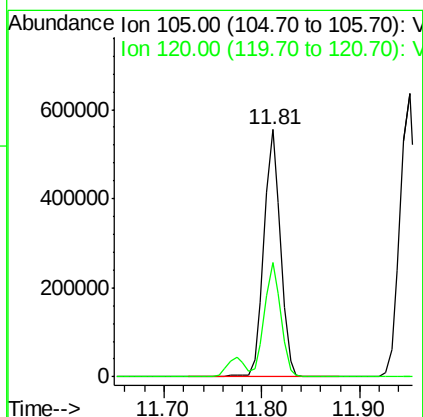
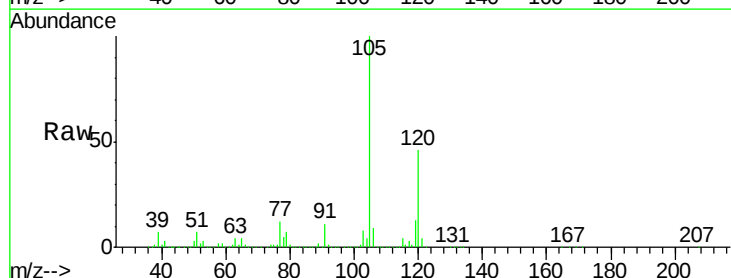
Instrument :
 MSVOA_X
 ClientSampleId :

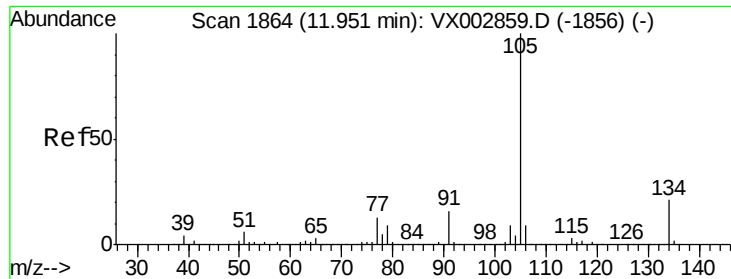
Tot Ion:119 Resp: 629331
 Ion Ratio Lower Upper
 119 100
 91 58.6 30.3 90.9
 134 23.4 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 48.86 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion:105 Resp: 652184
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.8





#85

sec-Butylbenzene

Concen: 49.20 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

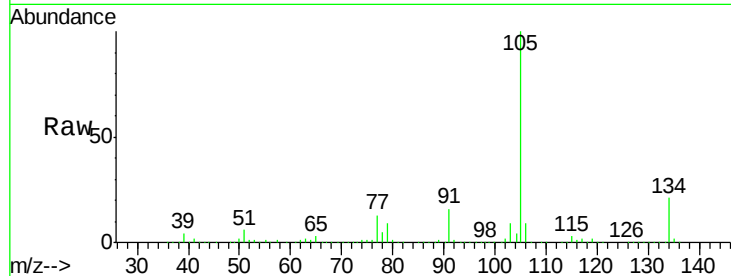
ClientSampleId :

Tot Ion:105 Resp: 757793

Ion Ratio Lower Upper

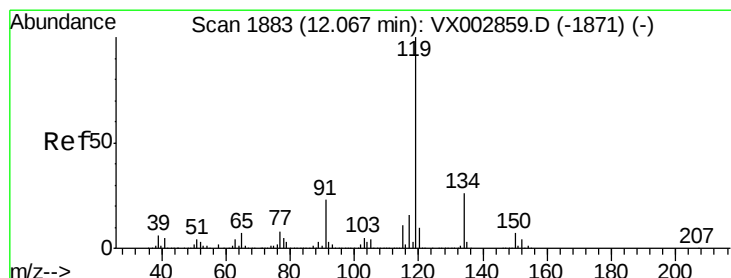
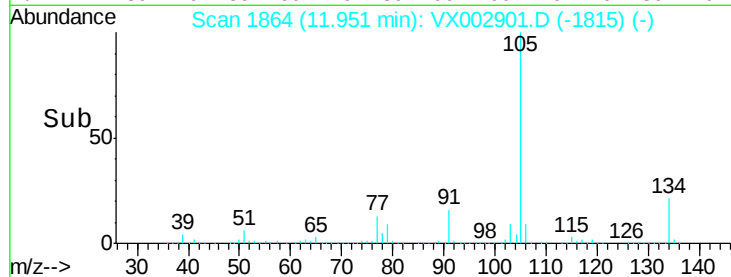
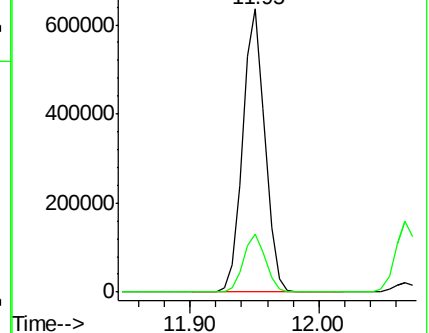
105 100

134 20.6 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.23 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

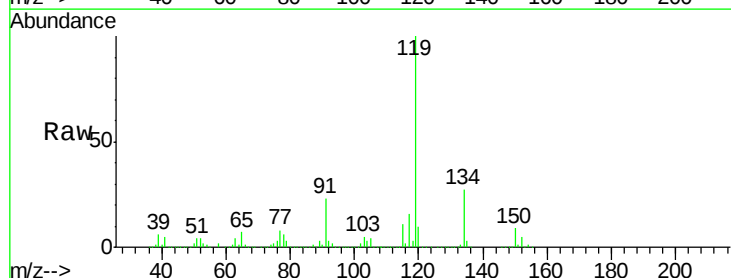
Tgt Ion:119 Resp: 681710

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

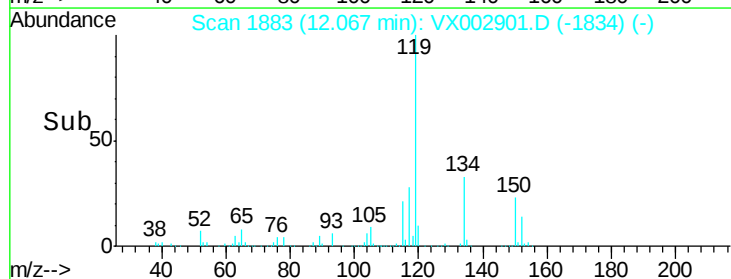
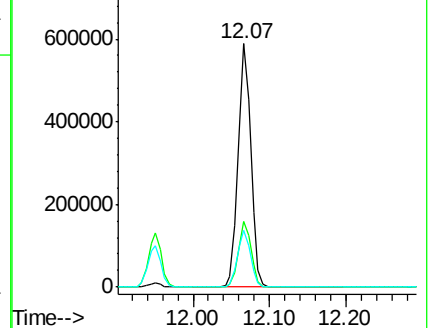
91 23.6 11.9 35.7

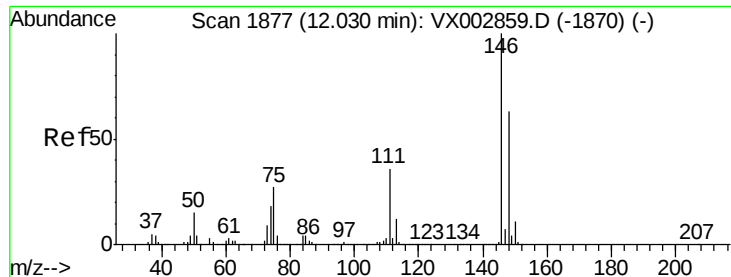


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.58 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

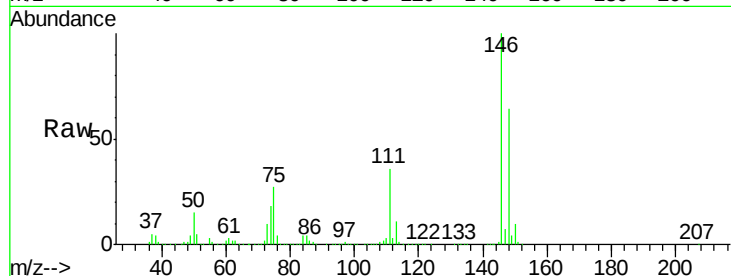
Tot Ion:146 Resp: 378531

Ion Ratio Lower Upper

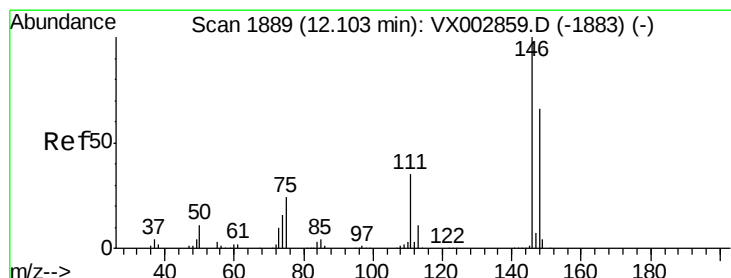
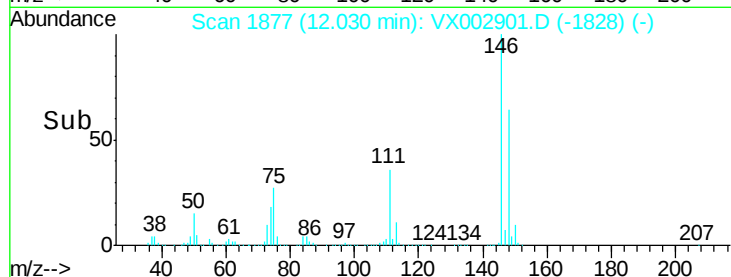
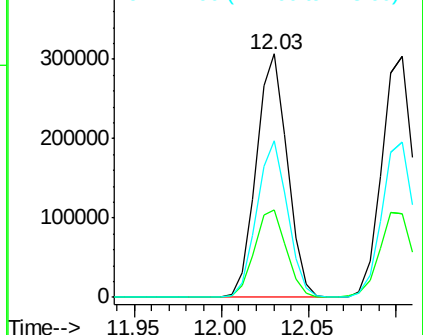
146 100

111 37.0 18.9 56.7

148 63.7 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 46.47 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

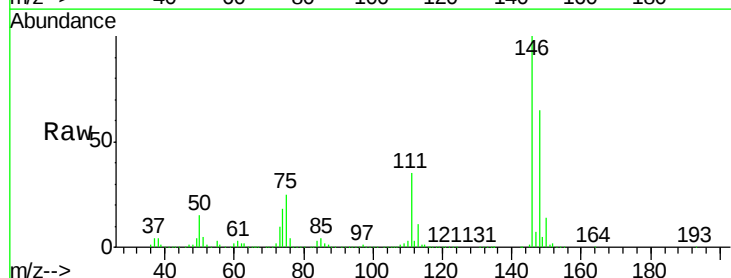
Tgt Ion:146 Resp: 380461

Ion Ratio Lower Upper

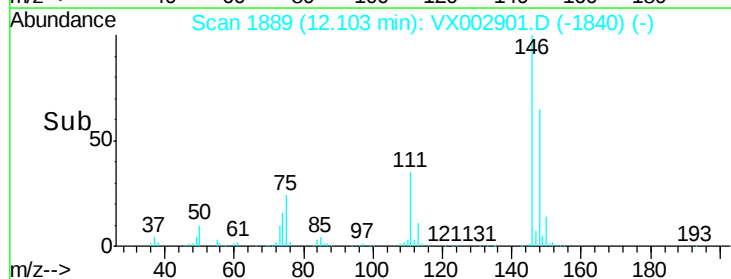
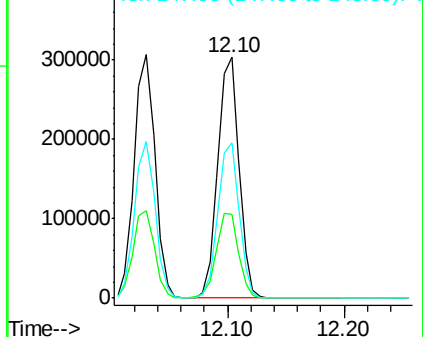
146 100

111 36.7 18.7 56.1

148 65.0 32.4 97.0



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





#89

n-Butylbenzene

Concen: 49.22 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

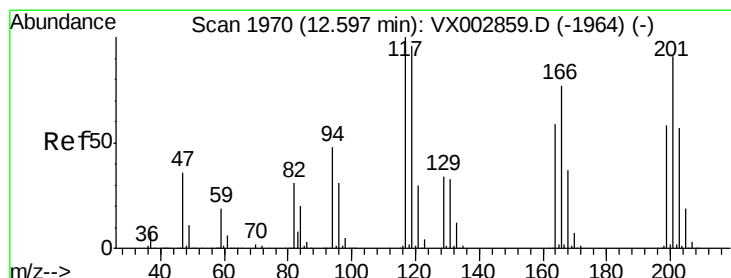
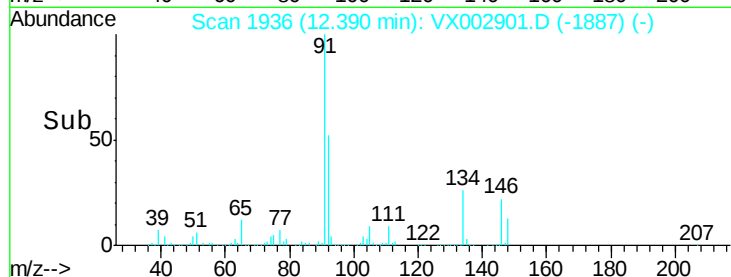
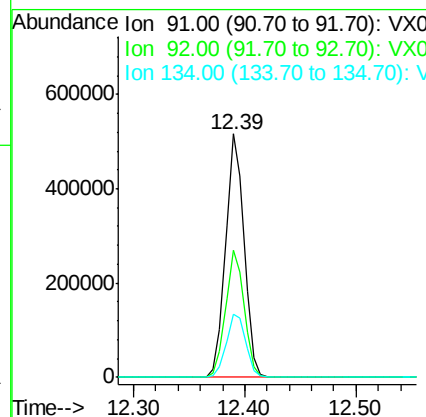
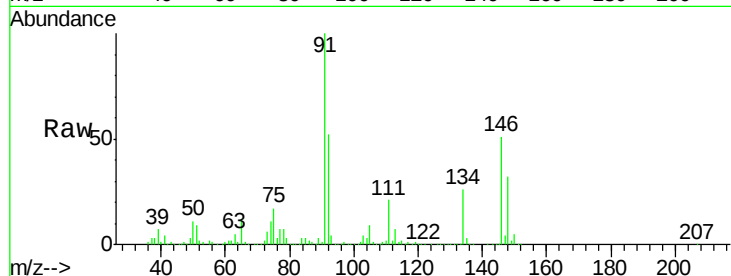
Tot Ion: 91 Resp: 593237

Ion Ratio Lower Upper

91 100

92 52.2 26.0 78.0

134 27.2 13.5 40.5



#90

Hexachloroethane

Concen: 48.71 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX002901.D

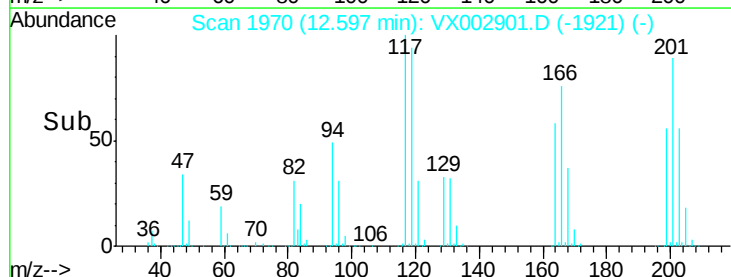
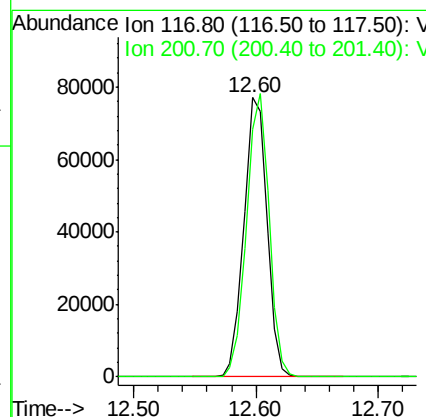
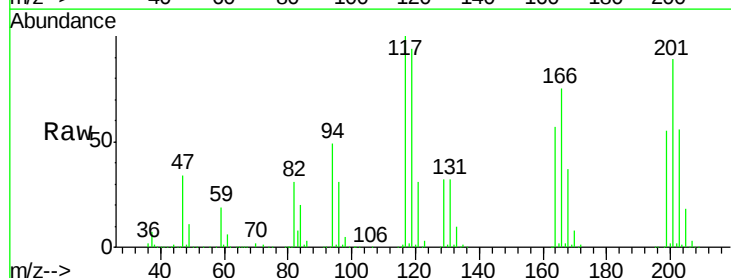
Acq: 26 Jun 2018 17:02

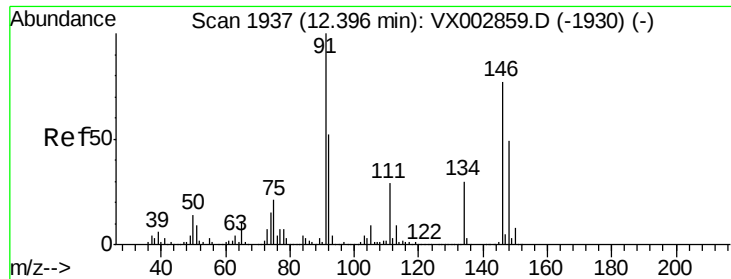
Tgt Ion: 117 Resp: 100332

Ion Ratio Lower Upper

117 100

201 99.2 49.0 147.0

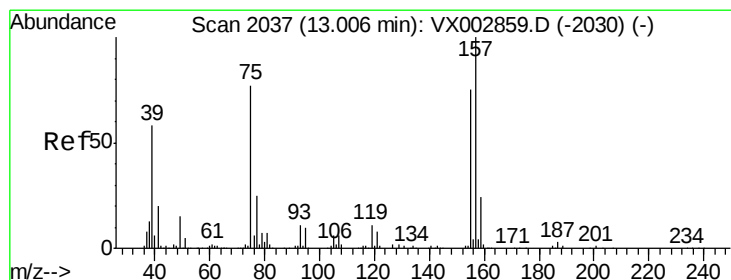
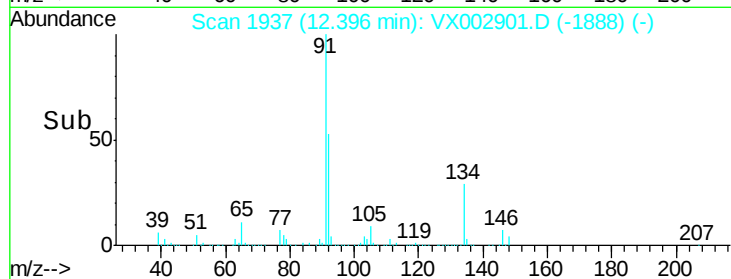
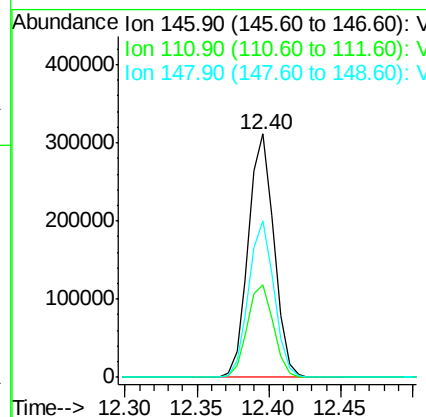
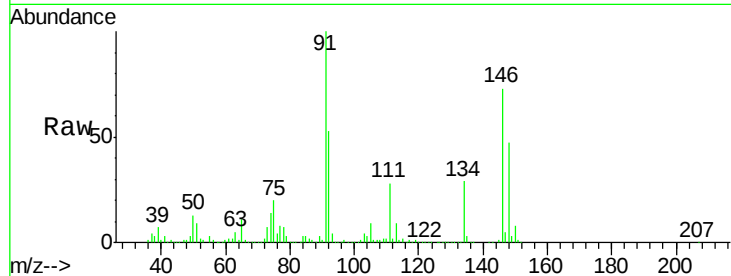




#91
 1,2-Dichlorobenzene
 Concen: 47.58 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

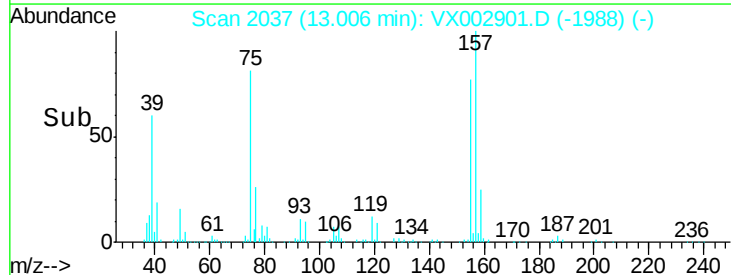
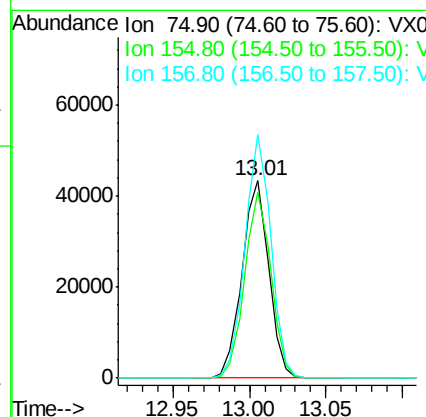
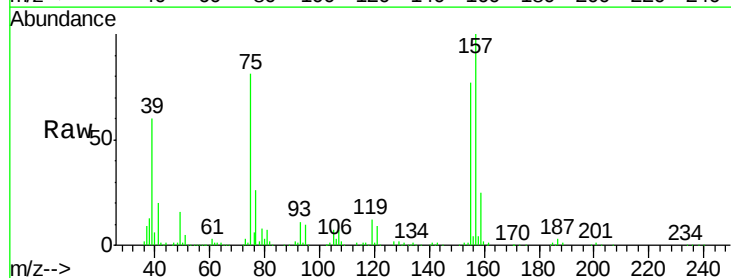
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	63.9	31.7	95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.49 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	45.8	137.4
157	120.1	60.1	180.3

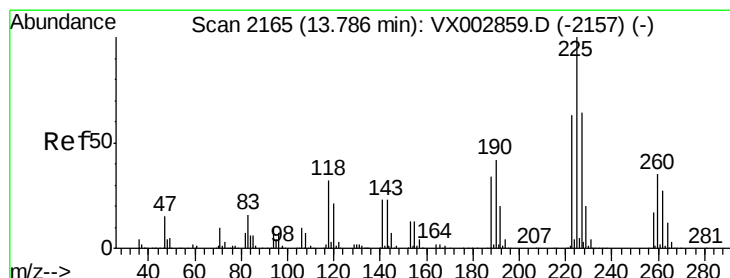
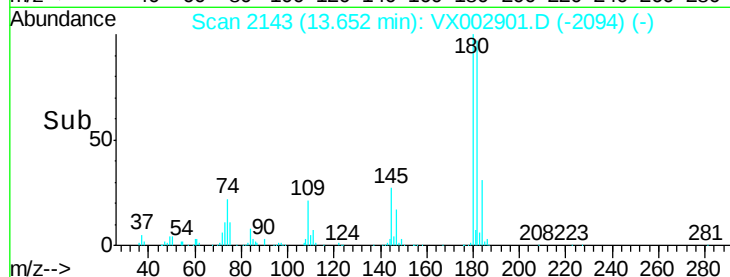
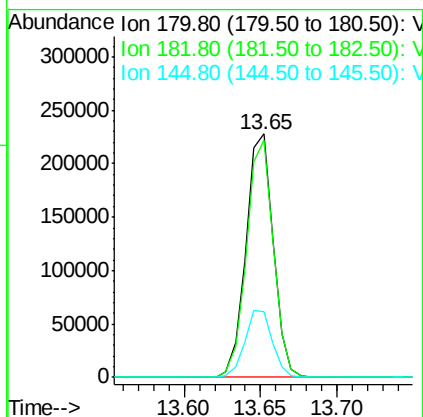
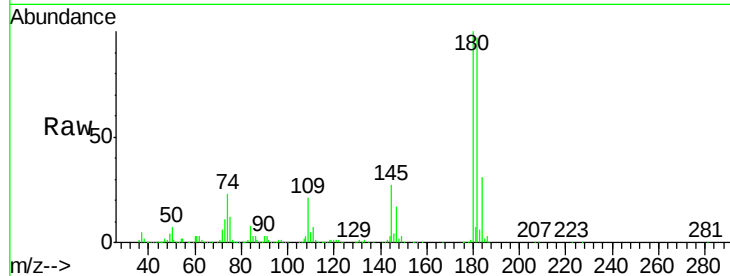




#93
 1,2,4-Trichlorobenzene
 Concen: 48.03 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

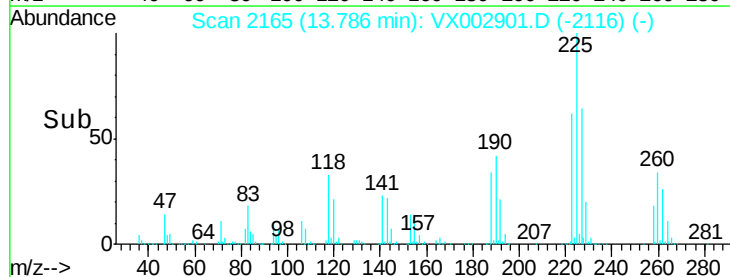
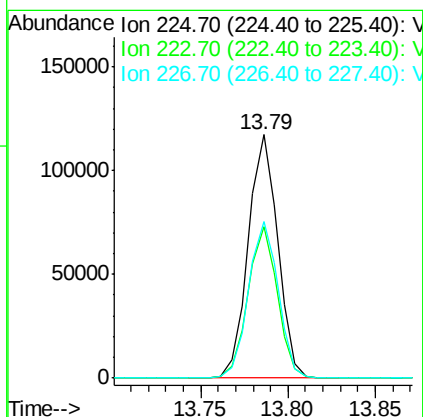
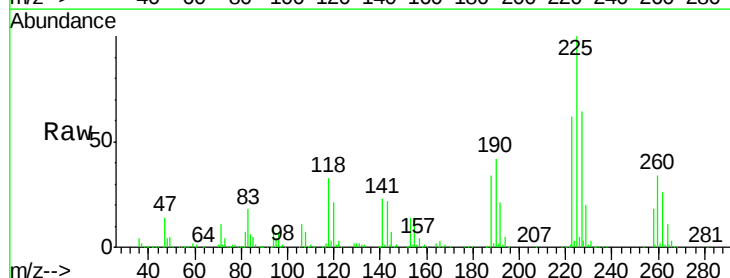
Instrument :
 MSVOA_X
 ClientSampleId :

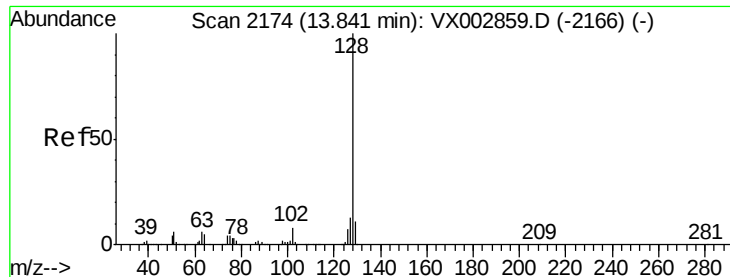
Tot Ion:180 Resp: 280682
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.7 143.1
 145 27.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 47.39 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion:225 Resp: 138132
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.6 95.0
 227 64.6 32.4 97.2

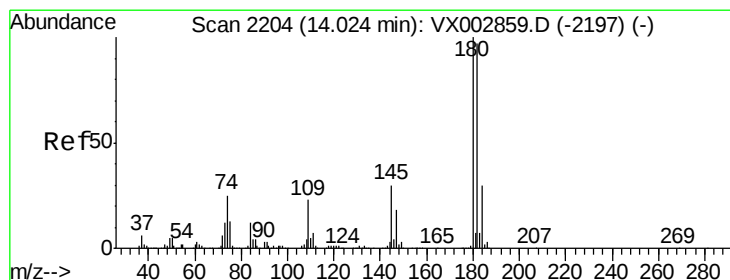
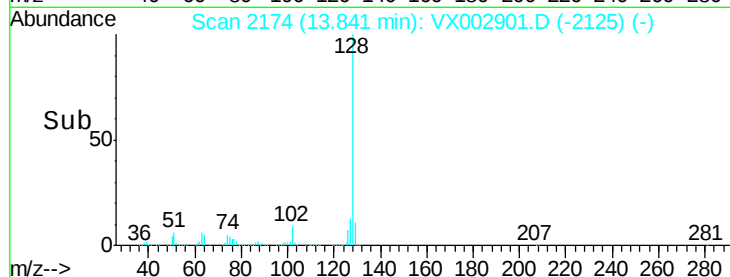
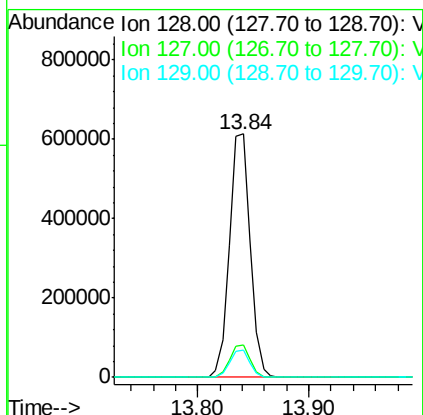
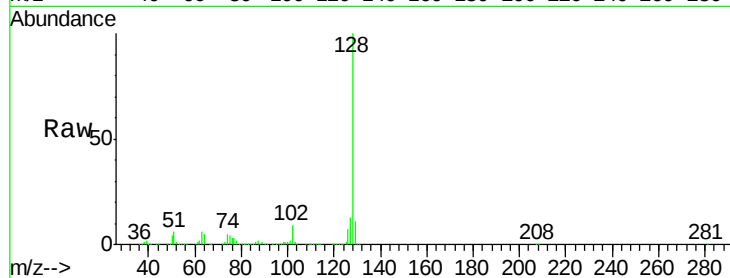




#95
Naphthalene
Concen: 50.72 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 789441
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.19 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion:180 Resp: 287156
Ion Ratio Lower Upper
180 100
182 95.3 48.0 144.0
145 29.5 14.8 44.3

