

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX002987.D
 Acq On : 28 Jun 2018 16:07
 Operator : JC/MD
 Sample : VX0628WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Quant Time: Jun 29 06:09:19 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	265948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	367306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	185630	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	5.51	113	149564	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
50) Toluene-d8	8.72	98	536582	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.14	95	202825	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	59643	24.97	ug/l	98
3) Chloromethane	1.32	50	57541	22.69	ug/l	98
4) Vinyl Chloride	1.40	62	62533	20.79	ug/l #	86
5) Bromomethane	1.64	94	29167	19.09	ug/l	97
6) Chloroethane	1.72	64	41166	22.15	ug/l	99
7) Trichlorofluoromethane	1.93	101	101428	19.99	ug/l	98
8) Diethyl Ether	2.19	74	35960	19.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57498	19.56	ug/l	99
10) Methyl Iodide	2.51	142	42012	18.56	ug/l	99
11) Tert butyl alcohol	3.08	59	72773	99.38	ug/l	98
12) 1,1-Dichloroethene	2.37	96	52335	19.95	ug/l	95
13) Acrolein	2.29	56	42805	107.88	ug/l	99
14) Allyl chloride	2.73	41	102733	19.87	ug/l	97
15) Acrylonitrile	3.15	53	159315	101.86	ug/l	99
16) Acetone	2.45	43	162948	107.04	ug/l	100
17) Carbon Disulfide	2.57	76	151462	21.67	ug/l	100
18) Methyl Acetate	2.78	43	75222	17.67	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	184863	19.61	ug/l	98
20) Methylene Chloride	2.86	84	58562	19.77	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	56379	19.74	ug/l	93
22) Diisopropyl ether	3.88	45	195071	19.74	ug/l	99
23) Vinyl Acetate	3.83	43	868707	103.81	ug/l	98
24) 1,1-Dichloroethane	3.70	63	104745	19.50	ug/l	100
25) 2-Butanone	4.71	43	236639	104.74	ug/l	97
26) 2,2-Dichloropropane	4.59	77	84013	19.23	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	63790	19.92	ug/l	100
28) Bromochloromethane	5.03	49	51799	20.15	ug/l	95
29) Tetrahydrofuran	5.17	42	147385	101.73	ug/l	96
30) Chloroform	5.22	83	110219	19.99	ug/l	98
31) Cyclohexane	5.57	56	91999	19.96	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	96443	19.88	ug/l	100
36) 1,1-Dichloropropene	5.80	75	78231	19.42	ug/l	97
37) Ethyl Acetate	4.87	43	91122	21.01	ug/l	98
38) Carbon Tetrachloride	5.79	117	87357	19.76	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Jun 29 06:09:19 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)
39) Methylcyclohexane	7.46	83	91627	19.53	ug/l	96
40) Benzene	6.15	78	232406	19.86	ug/l	99
41) Methacrylonitrile	5.07	41	51344	20.56	ug/l	98
42) 1,2-Dichloroethane	6.20	62	92843	19.64	ug/l	99
43) Isopropyl Acetate	6.47	43	142715	19.62	ug/l	99
44) Trichloroethene	7.21	130	68131	19.53	ug/l	98
45) 1,2-Dichloropropane	7.52	63	61159	19.70	ug/l	98
46) Dibromomethane	7.67	93	42848	19.89	ug/l	96
47) Bromodichloromethane	7.90	83	79708	20.01	ug/l	99
48) Methyl methacrylate	7.78	41	72638	19.38	ug/l	97
49) 1,4-Dioxane	7.76	88	30283	415.32	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	465907	102.38	ug/l	99
52) Toluene	8.79	92	150551	20.08	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	90395	20.04	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	81622	18.81	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	62157	20.18	ug/l	98
56) Ethyl methacrylate	9.18	69	89915	19.97	ug/l	97
57) 1,3-Dichloropropane	9.38	76	101135	19.99	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	217843	100.28	ug/l	98
59) 2-Hexanone	9.50	43	359581	103.97	ug/l	98
60) Dibromochloromethane	9.59	129	64448	19.87	ug/l	99
61) 1,2-Dibromoethane	9.68	107	65170	20.17	ug/l	100
64) Tetrachloroethene	9.34	164	76298	19.66	ug/l	98
65) Chlorobenzene	10.14	112	172532	19.46	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	63385	19.68	ug/l	100
67) Ethyl Benzene	10.26	91	288652	19.71	ug/l	99
68) m/p-Xylenes	10.36	106	224316	39.74	ug/l	100
69) o-Xylene	10.70	106	109580	19.94	ug/l	99
70) Styrene	10.71	104	179270	20.08	ug/l	99
71) Bromoform	10.86	173	49555	19.61	ug/l	100
73) Isopropylbenzene	11.02	105	300087	20.56	ug/l	100
74) N-amyl acetate	6.47	43	142715	19.98	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	93320	20.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	100107	25.47	ug/l	81
77) Bromobenzene	11.26	156	83405	20.06	ug/l	97
78) n-propylbenzene	11.37	91	340286	20.48	ug/l	99
79) 2-Chlorotoluene	11.43	91	202648	20.15	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	252647	20.55	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	21595	18.23	ug/l	95
82) 4-Chlorotoluene	11.51	91	237131	19.91	ug/l	99
83) tert-Butylbenzene	11.77	119	248002	20.47	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	257698	20.23	ug/l	98
85) sec-Butylbenzene	11.95	105	297819	20.26	ug/l	99
86) p-Isopropyltoluene	12.07	119	266223	20.15	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	151016	19.89	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	152550	19.53	ug/l	100
89) n-Butylbenzene	12.39	91	224176	19.49	ug/l	100
90) Hexachloroethane	12.60	117	36634	18.64	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	150294	19.61	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19709	19.50	ug/l	98

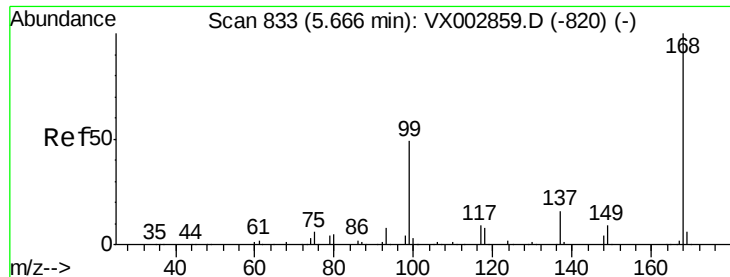
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
Data File : VX002987.D
Acq On : 28 Jun 2018 16:07
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Sample : VX0628WBSD01
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Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Quant Time: Jun 29 06:09:19 2018
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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	109244	19.59	ug/l	99
94) Hexachlorobutadiene	13.79	225	53025	19.06	ug/l	100
95) Naphthalene	13.84	128	302010	20.33	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112281	20.16	ug/l	100

(#) = 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: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

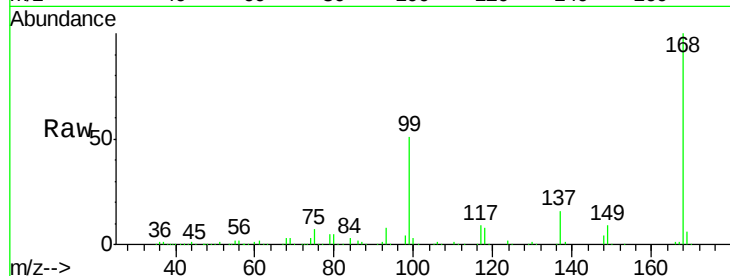
VX0628WBSD01

Tot Ion:168 Resp: 265948

Ion Ratio Lower Upper

168 100

99 51.0 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

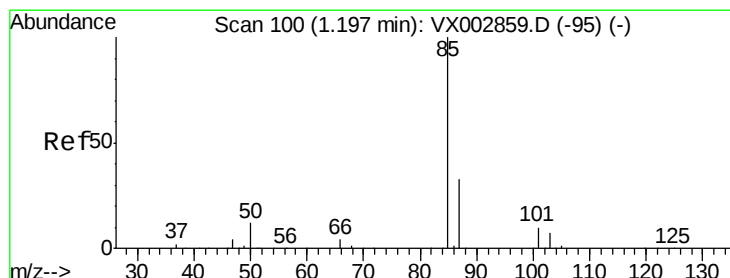
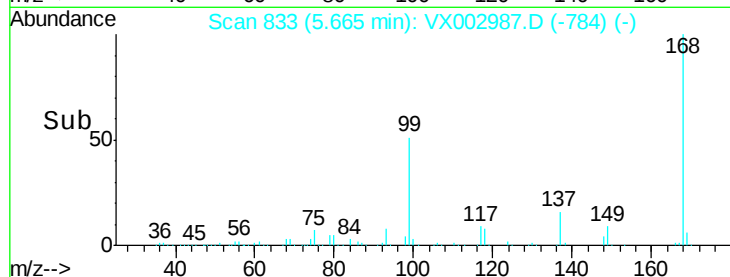
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 24.97 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002987.D

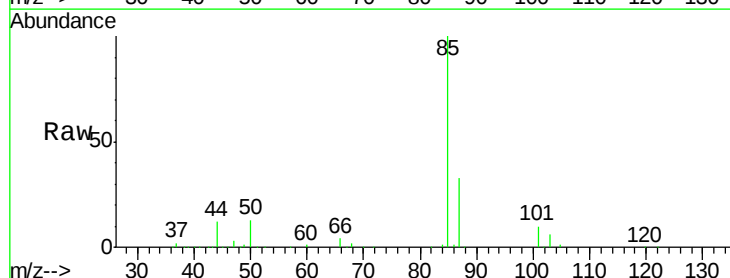
Acq: 28 Jun 2018 16:07

Tgt Ion: 85 Resp: 59643

Ion Ratio Lower Upper

85 100

87 32.8 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

60000

40000

20000

0

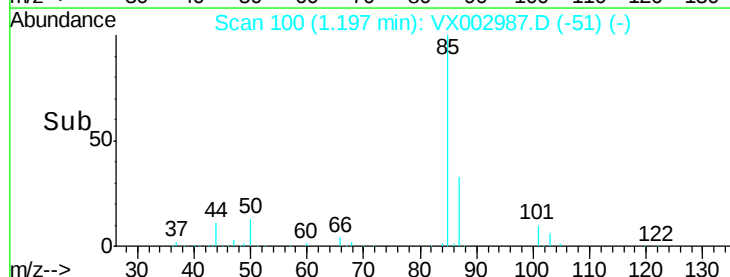
Time-->

1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 22.69 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

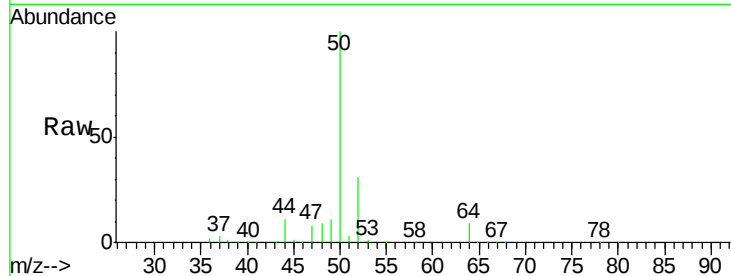
VX0628WBSD01

Tot Ion: 50 Resp: 57541

Ion Ratio Lower Upper

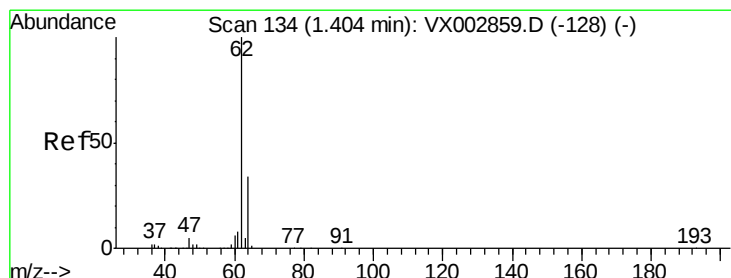
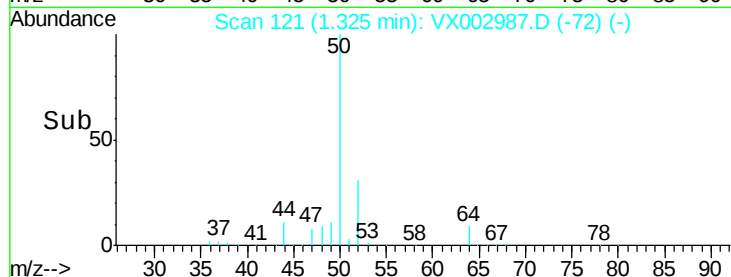
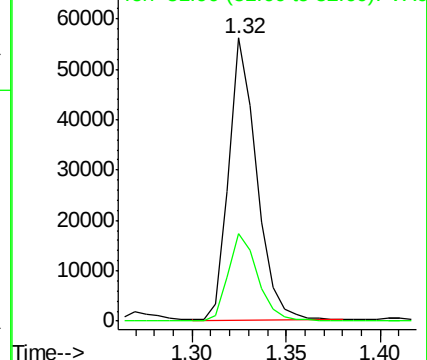
50 100

52 31.0 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: 20.79 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002987.D

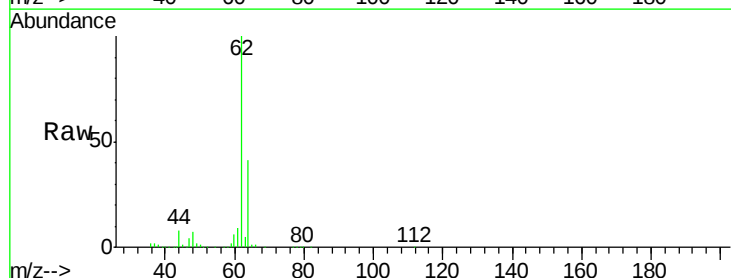
Acq: 28 Jun 2018 16:07

Tgt Ion: 62 Resp: 62533

Ion Ratio Lower Upper

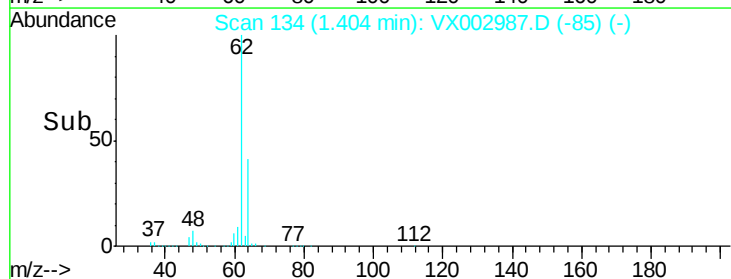
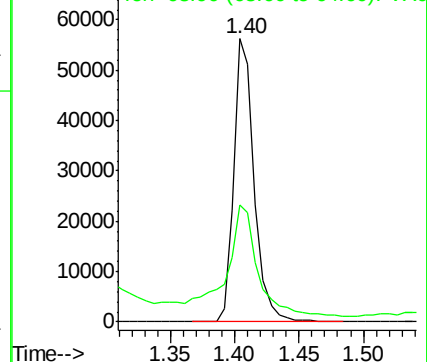
62 100

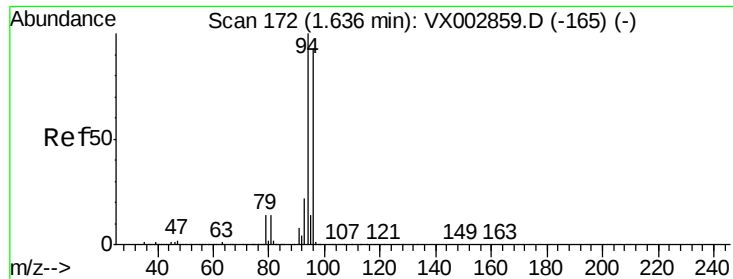
64 39.4 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.09 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

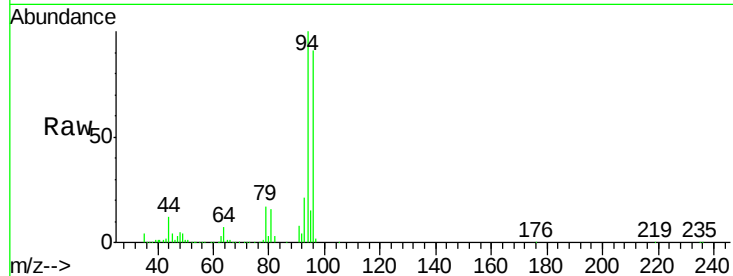
VX0628WBSD01

Tot Ion: 94 Resp: 29167

Ion Ratio Lower Upper

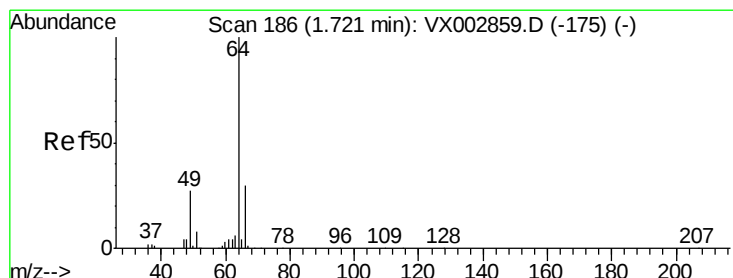
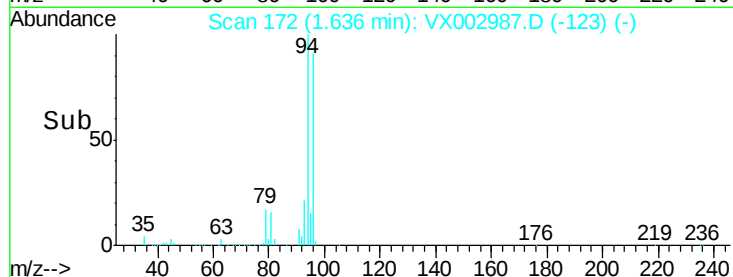
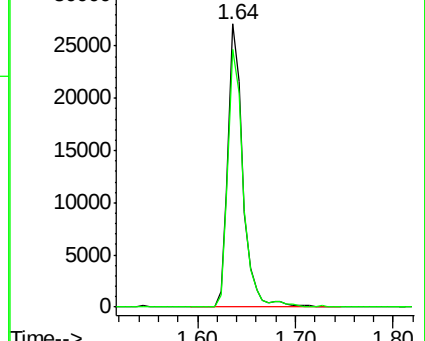
94 100

96 91.1 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: 22.15 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002987.D

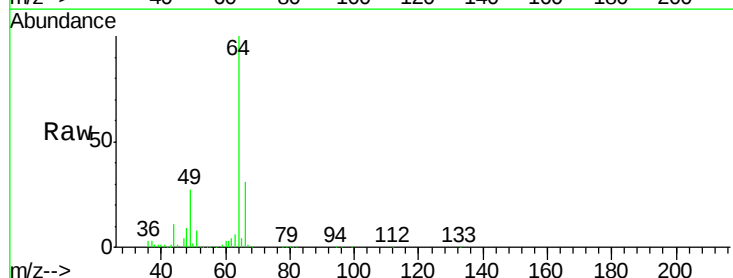
Acq: 28 Jun 2018 16:07

Tgt Ion: 64 Resp: 41166

Ion Ratio Lower Upper

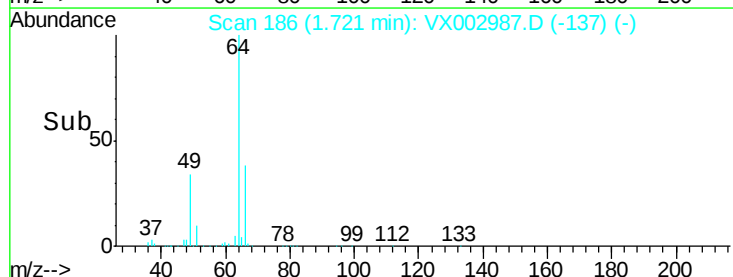
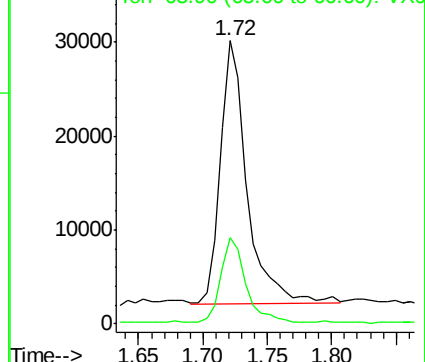
64 100

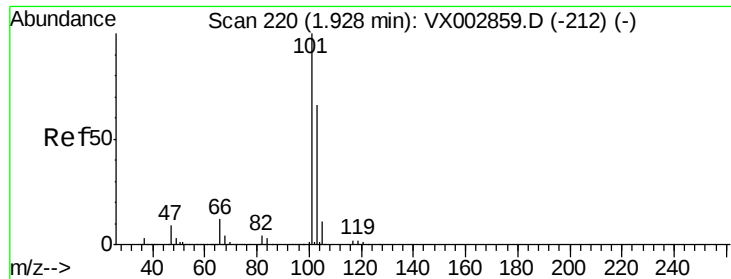
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 19.99 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

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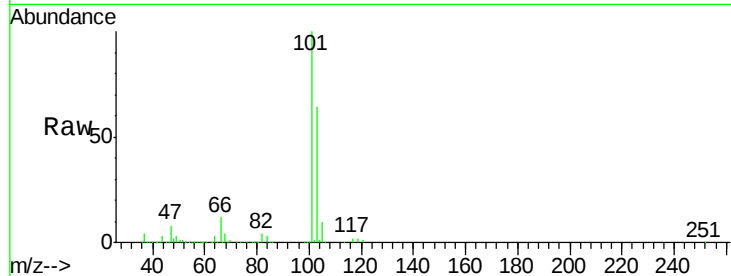
VX0628WBSD01

Tot Ion:101 Resp: 101428

Ion Ratio Lower Upper

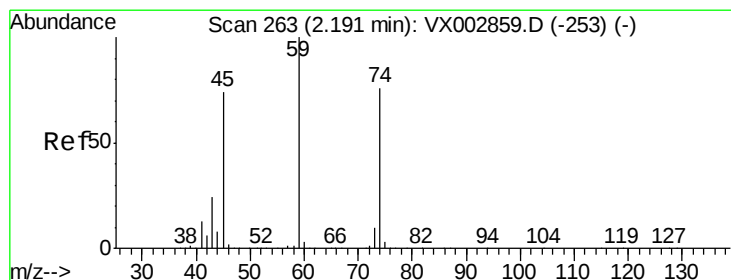
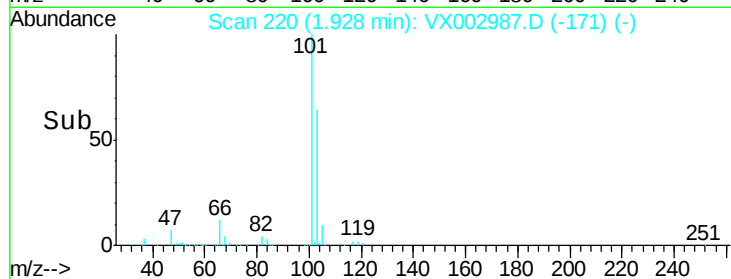
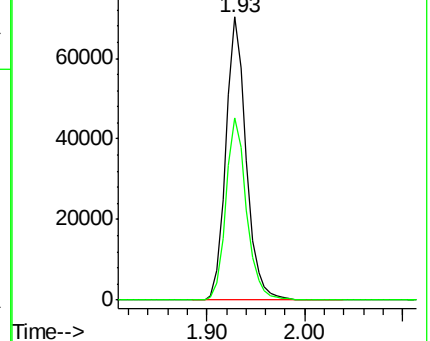
101 100

103 64.4 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.50 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX002987.D

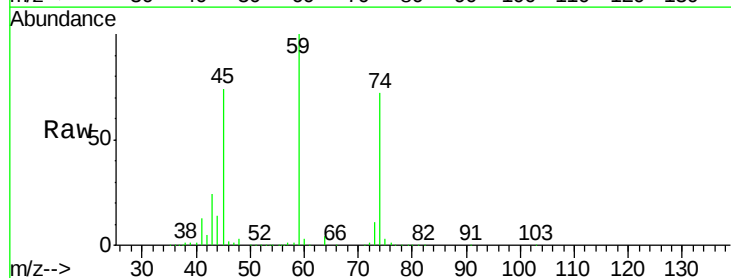
Acq: 28 Jun 2018 16:07

Tgt Ion: 74 Resp: 35960

Ion Ratio Lower Upper

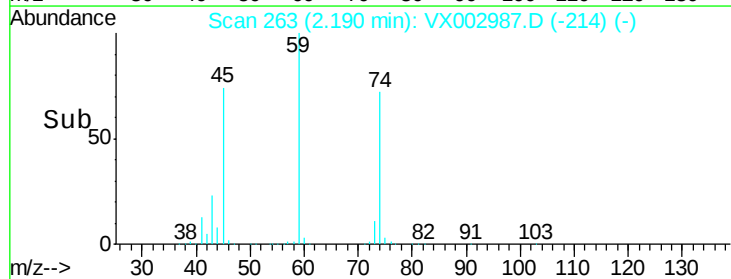
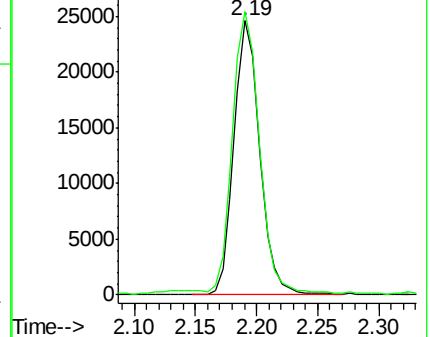
74 100

45 107.2 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.56 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

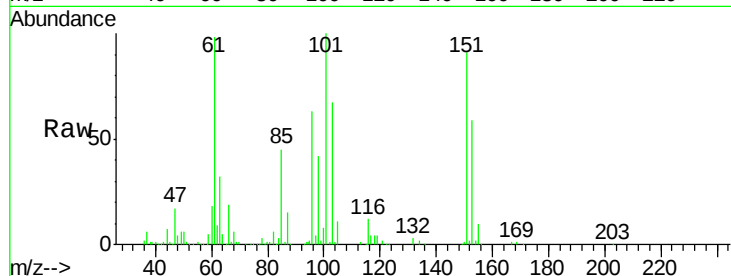
Tot Ion:101 Resp: 57498

Ion Ratio Lower Upper

101 100

85 44.8 36.0 54.0

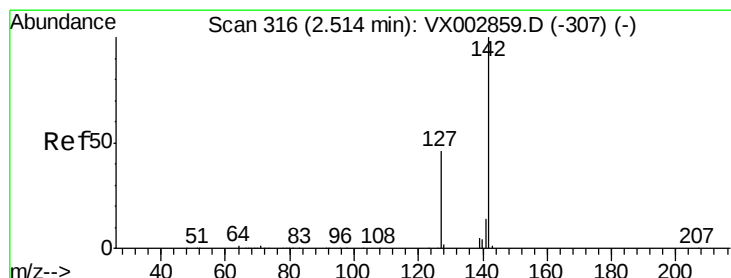
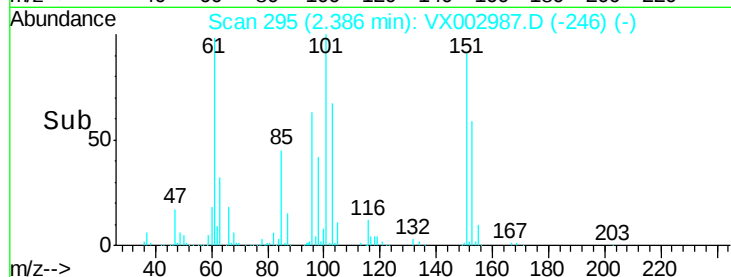
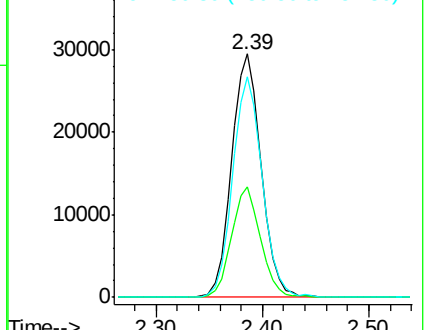
151 90.5 70.9 106.3



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



#10

Methyl Iodide

Concen: 18.56 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

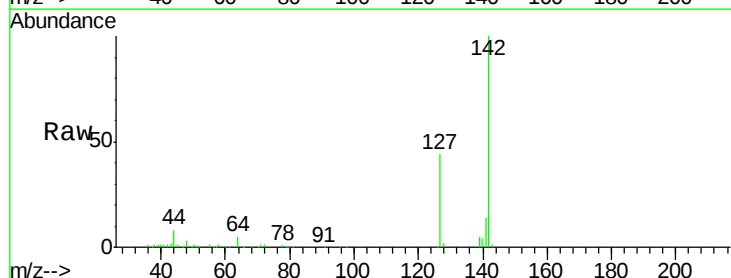
Tgt Ion:142 Resp: 42012

Ion Ratio Lower Upper

142 100

127 45.3 36.6 55.0

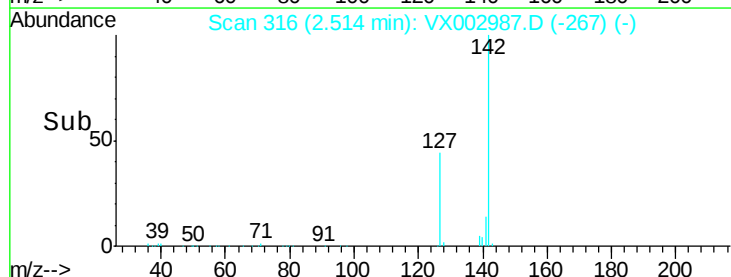
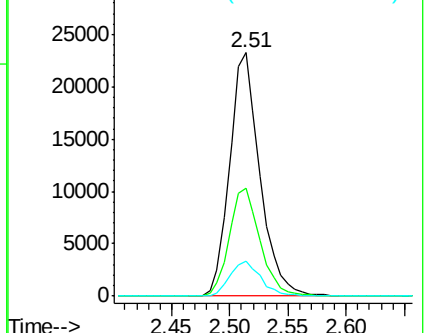
141 14.8 11.3 16.9

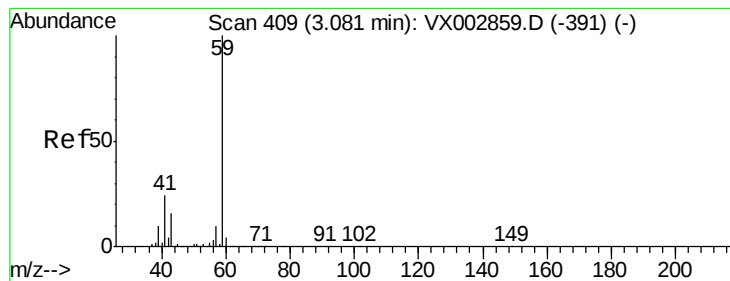


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



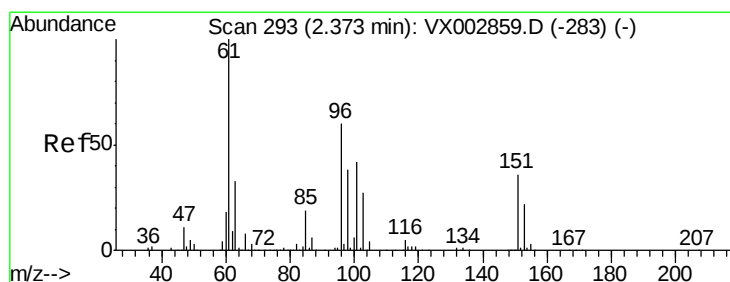
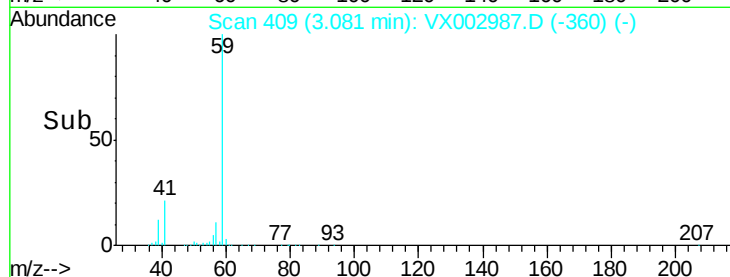
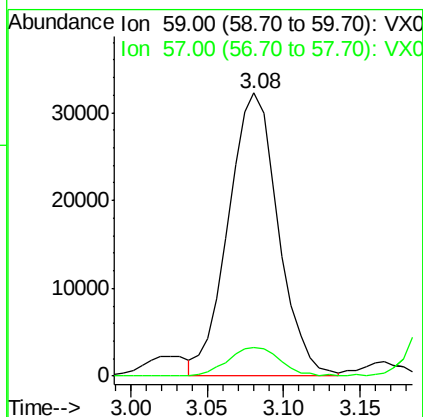
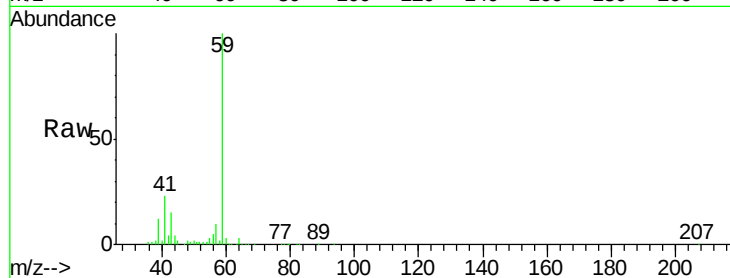


#11

Tert butyl alcohol
 Concen: 99.38 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

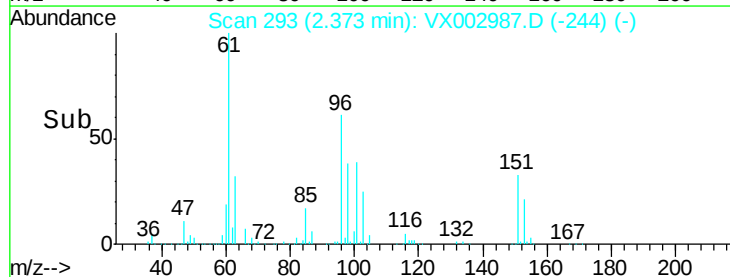
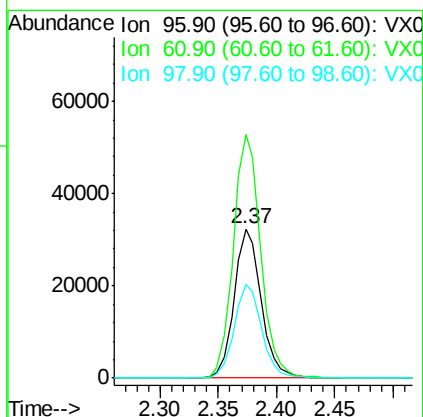
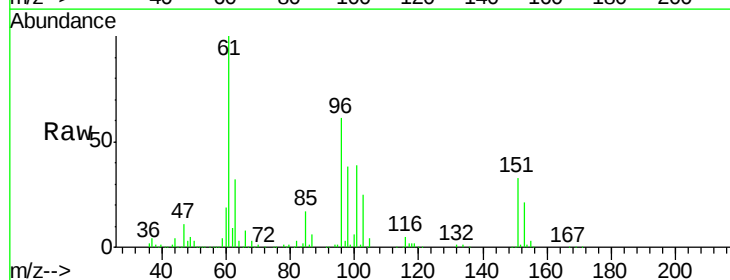
Tot Ion: 59 Resp: 72773
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 19.95 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion: 96 Resp: 52335
 Ion Ratio Lower Upper
 96 100
 61 163.3 137.9 206.9
 98 62.7 51.6 77.4





#13

Acrolein

Concen: 107.88 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

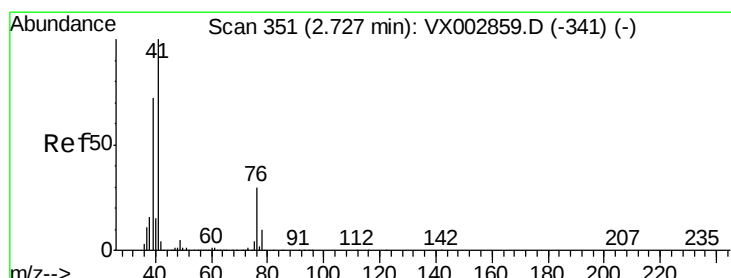
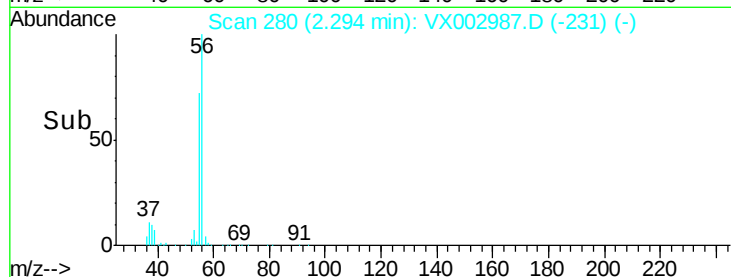
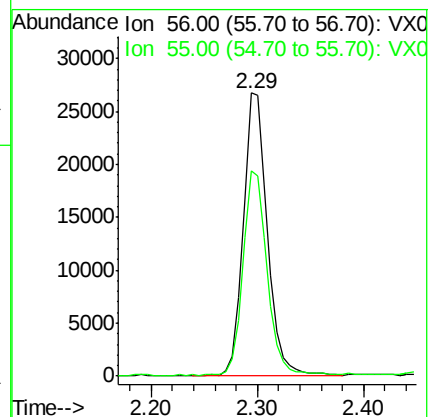
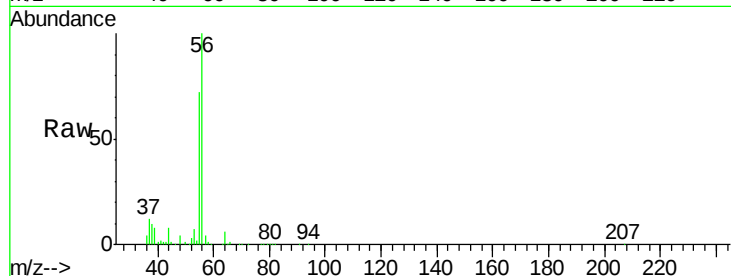
VX0628WBSD01

Tot Ion: 56 Resp: 42805

Ion Ratio Lower Upper

56 100

55 71.9 57.0 85.4



#14

Allyl chloride

Concen: 19.87 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

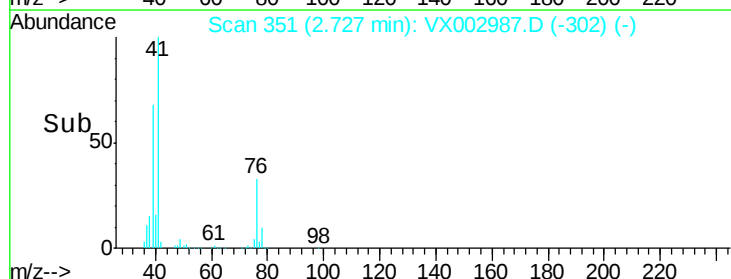
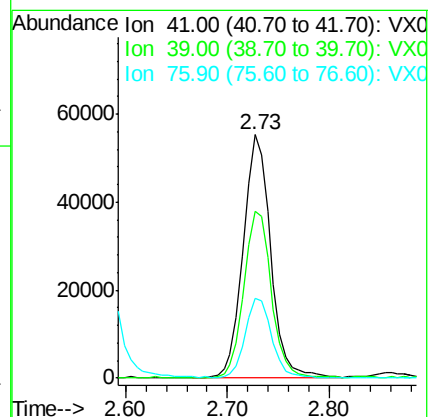
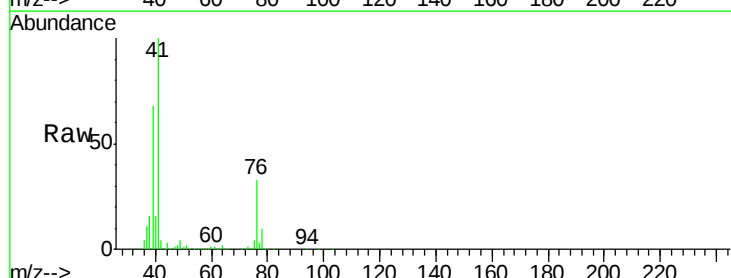
Tgt Ion: 41 Resp: 102733

Ion Ratio Lower Upper

41 100

39 68.5 56.8 85.2

76 31.7 23.8 35.8





#15

Acrylonitrile

Concen: 101.86 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

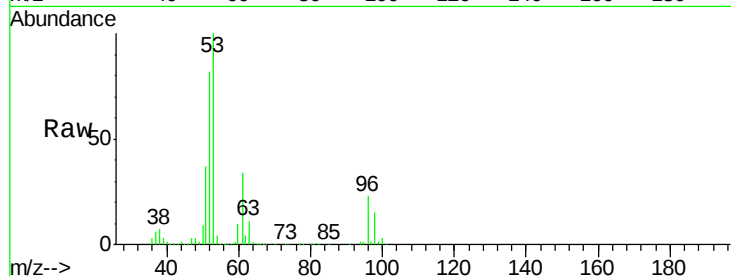
Tot Ion: 53 Resp: 159315

Ion Ratio Lower Upper

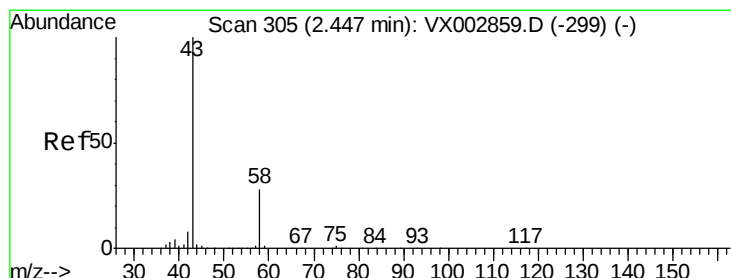
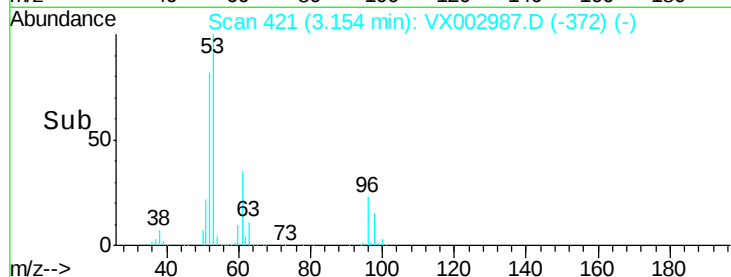
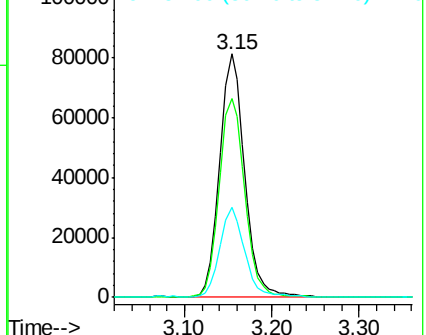
53 100

52 84.4 66.7 100.1

51 37.2 29.9 44.9



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



#16

Acetone

Concen: 107.04 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX002987.D

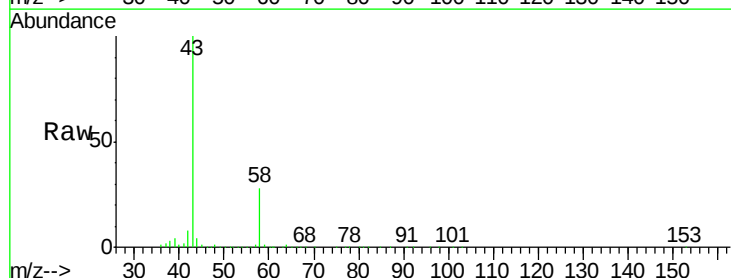
Acq: 28 Jun 2018 16:07

Tgt Ion: 43 Resp: 162948

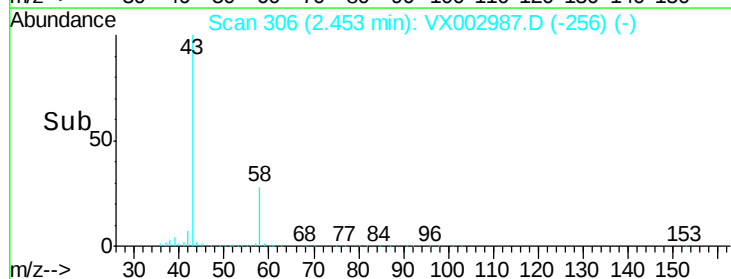
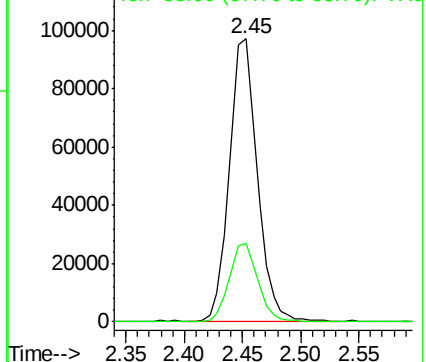
Ion Ratio Lower Upper

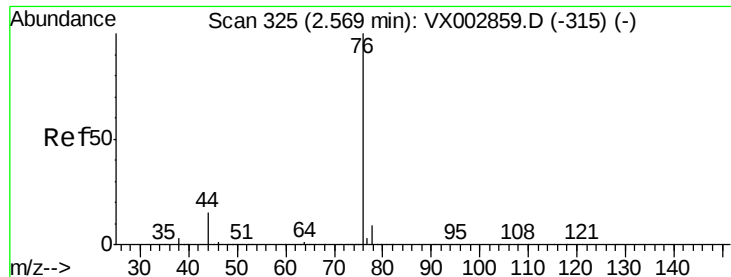
43 100

58 27.7 22.1 33.1



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

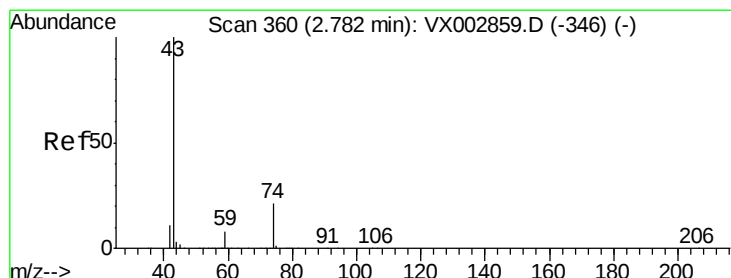
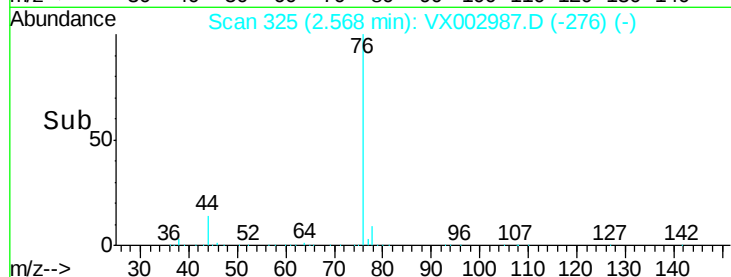
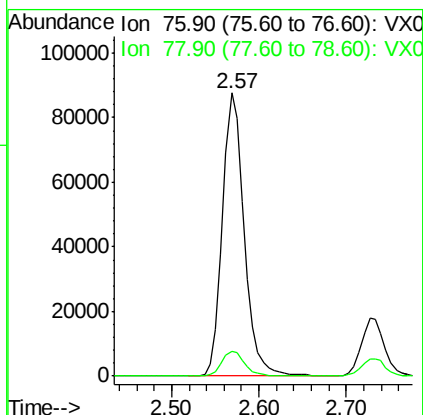
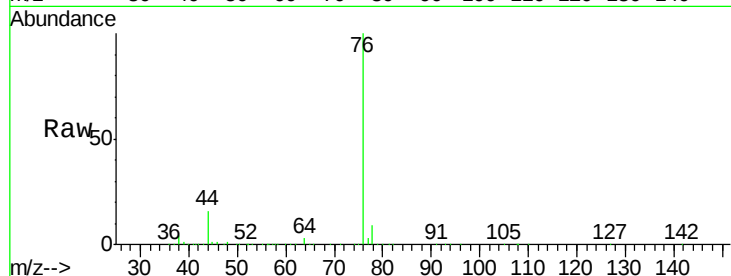




#17
Carbon Disulfide
Concen: 21.67 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

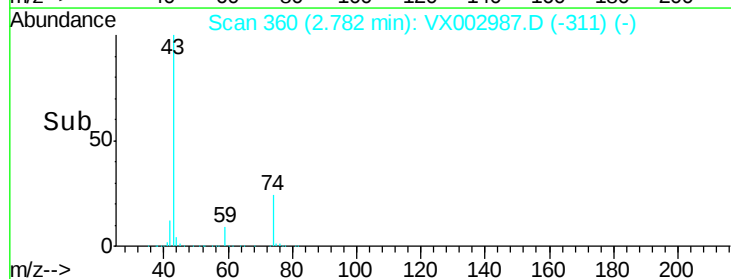
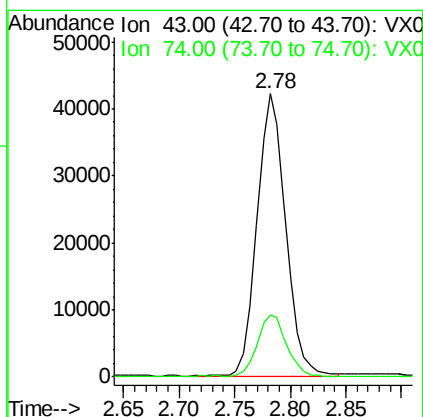
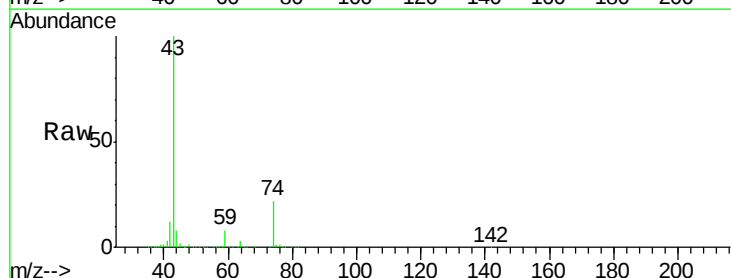
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

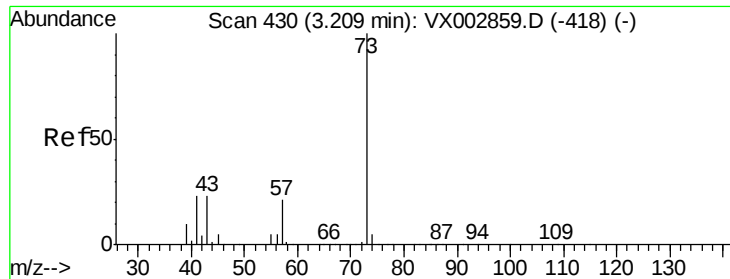
Tot Ion: 76 Resp: 151462
Ion Ratio Lower Upper
76 100
78 8.6 6.9 10.3



#18
Methyl Acetate
Concen: 17.67 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion: 43 Resp: 75222
Ion Ratio Lower Upper
43 100
74 22.4 16.7 25.1

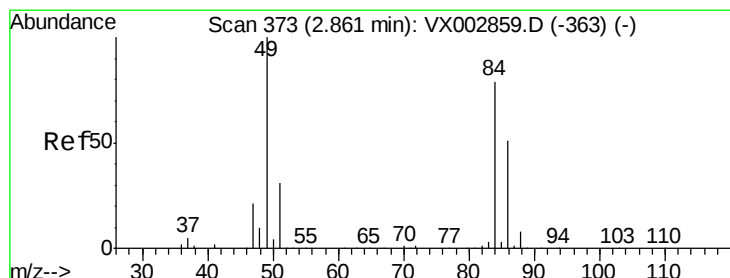
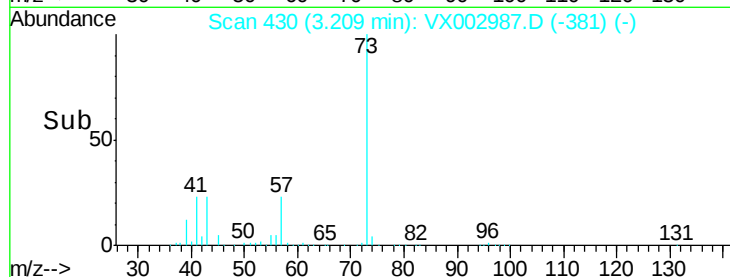
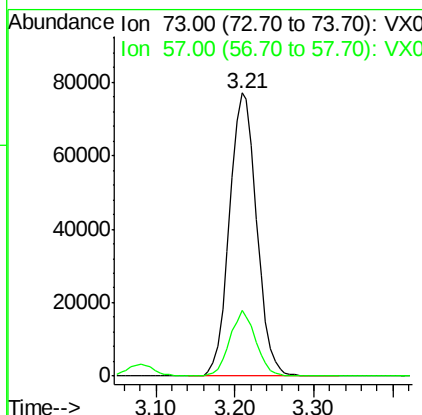
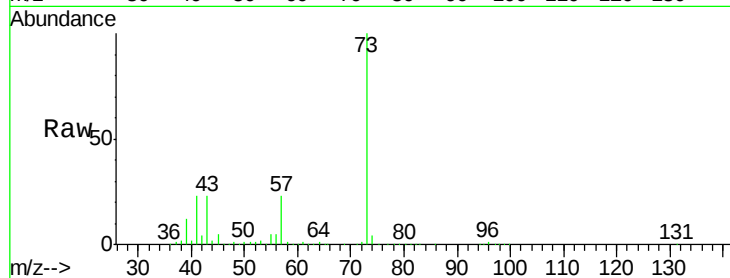




#19
Methvl tert-butvl Ether
Concen: 19.61 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

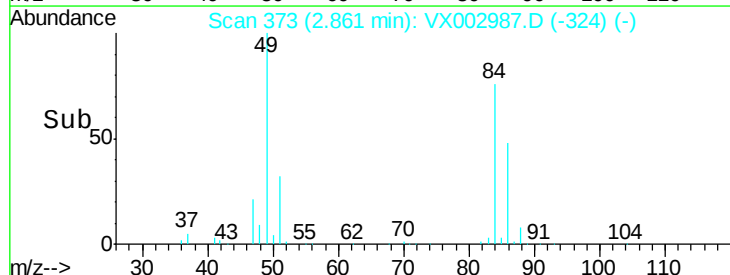
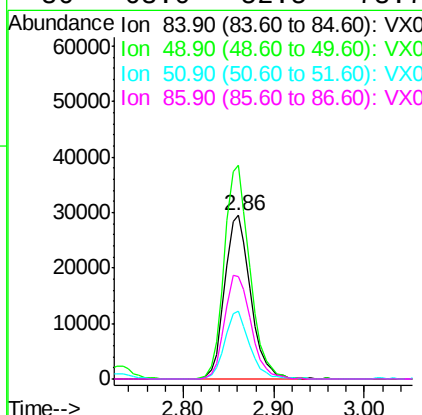
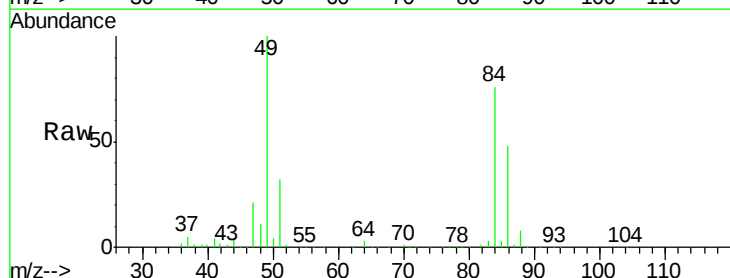
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

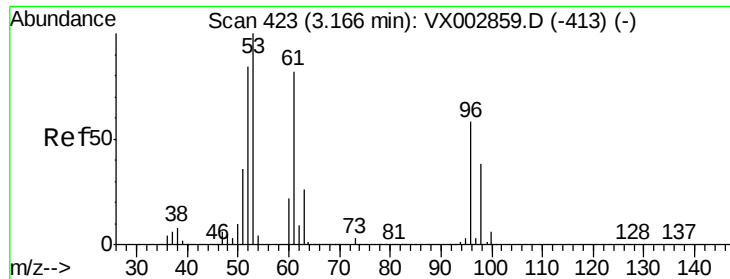
Tot Ion: 73 Resp: 184863
Ion Ratio Lower Upper
73 100
57 23.2 17.7 26.5



#20
Methylene Chloride
Concen: 19.77 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion: 84 Resp: 58562
Ion Ratio Lower Upper
84 100
49 130.8 107.8 161.6
51 41.4 32.8 49.2
86 63.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.74 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

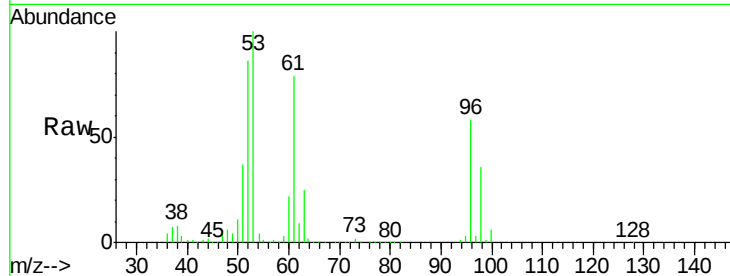
Tot Ion: 96 Resp: 56379

Ion Ratio Lower Upper

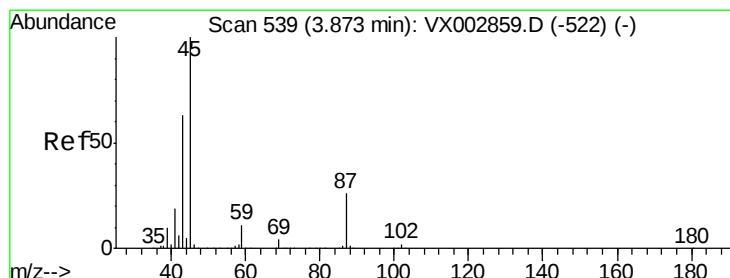
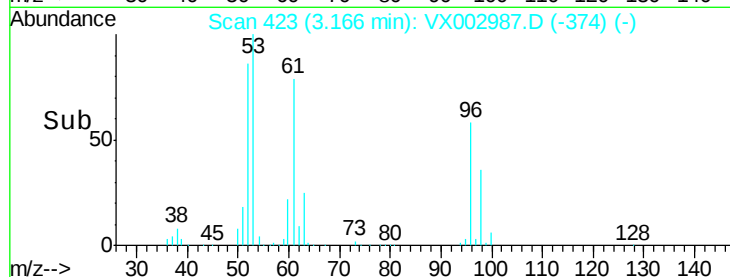
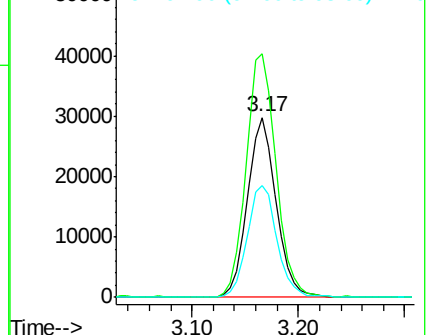
96 100

61 135.2 117.0 175.4

98 62.0 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: 19.74 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion: 45 Resp: 195071

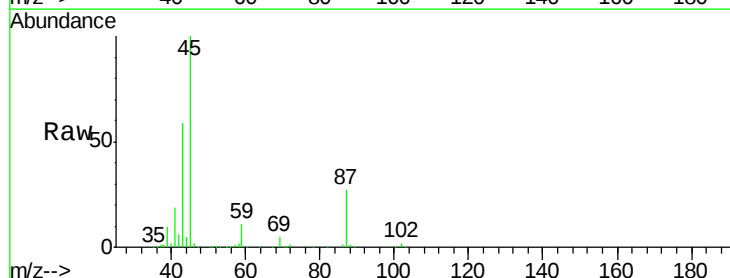
Ion Ratio Lower Upper

45 100

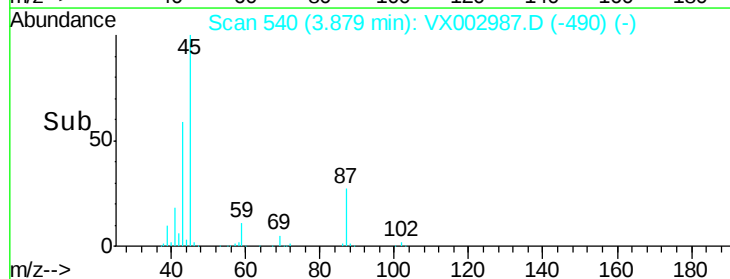
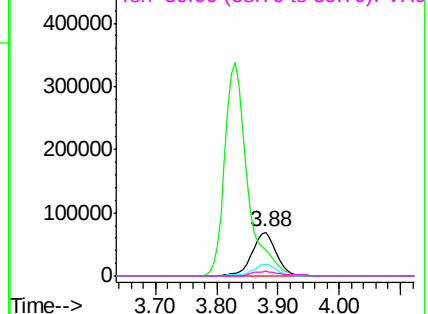
43 59.0 46.8 70.2

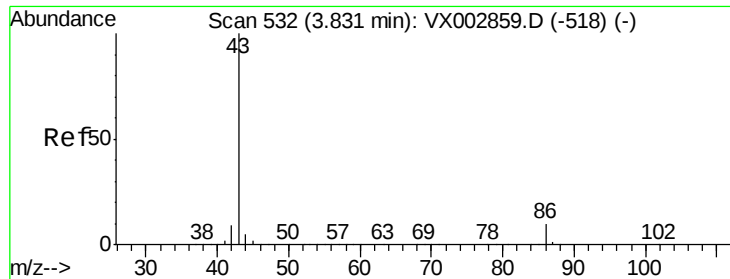
87 26.7 20.2 30.4

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: 103.81 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

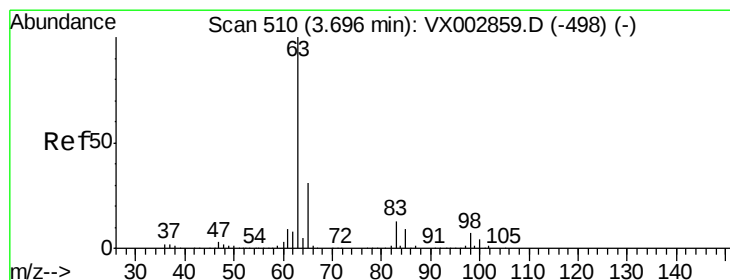
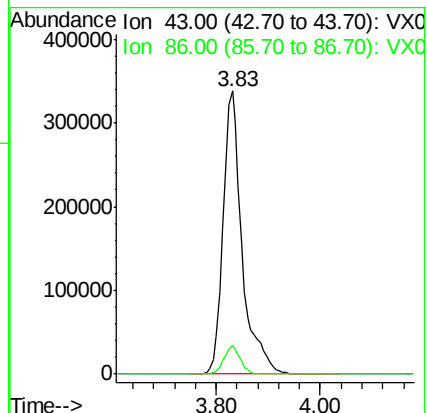
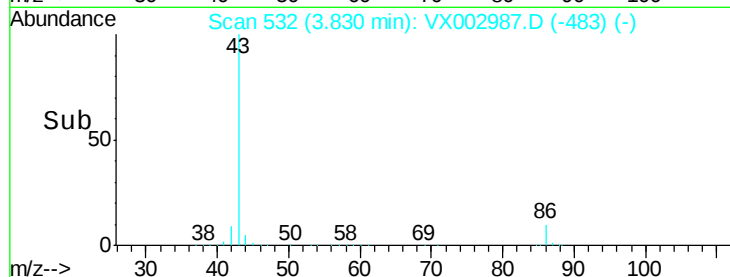
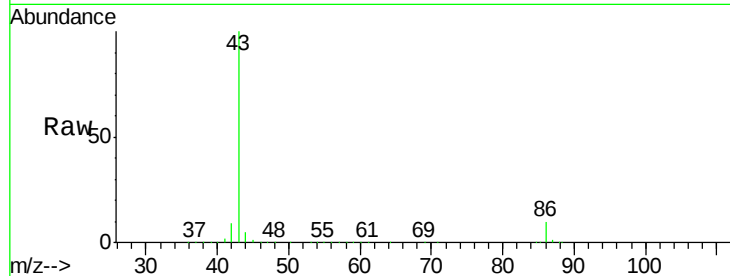
VX0628WBSD01

Tot Ion: 43 Resp: 868707

Ion Ratio Lower Upper

43 100

86 10.0 7.4 11.0



#24

1,1-Dichloroethane

Concen: 19.50 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

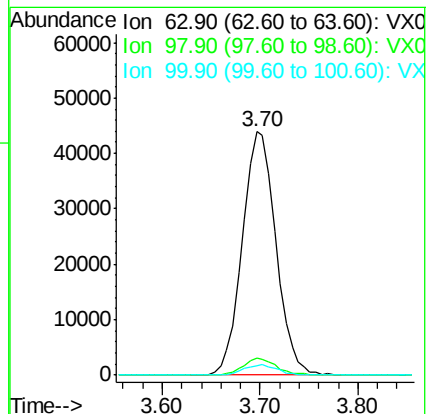
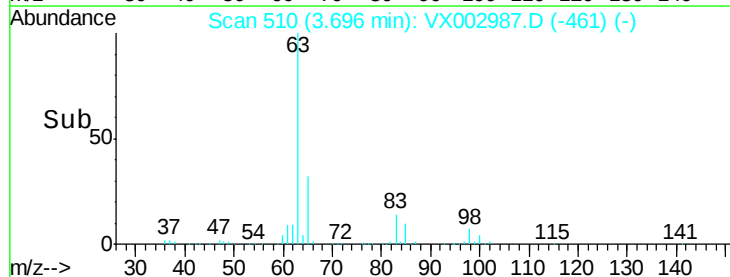
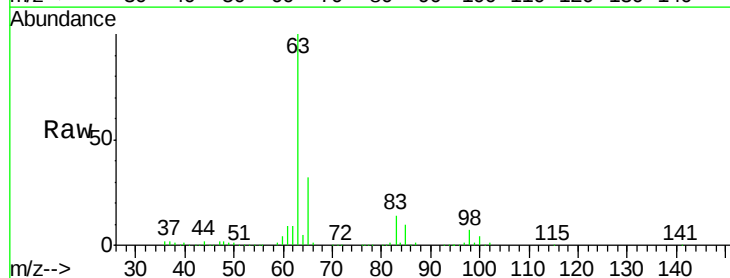
Tgt Ion: 63 Resp: 104745

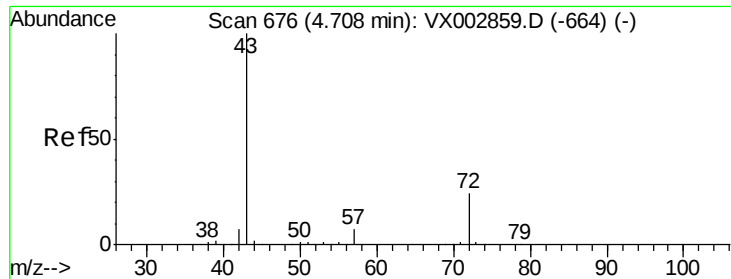
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 104.74 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

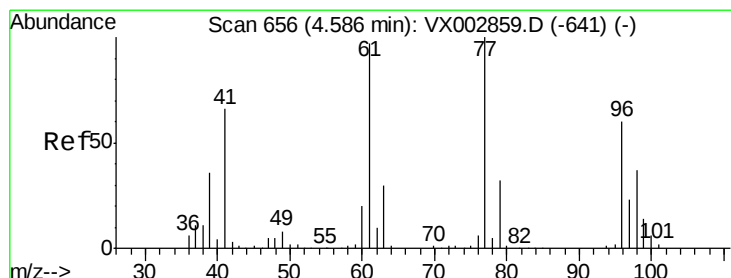
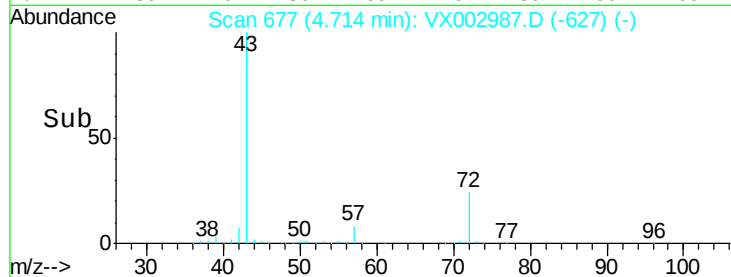
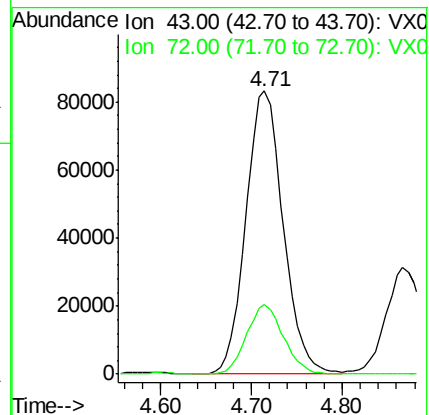
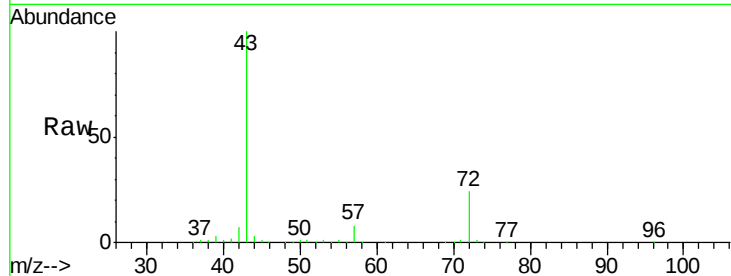
VX0628WBSD01

Tot Ion: 43 Resp: 236639

Ion Ratio Lower Upper

43 100

72 24.4 18.5 27.7



#26

2,2-Dichloropropane

Concen: 19.23 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002987.D

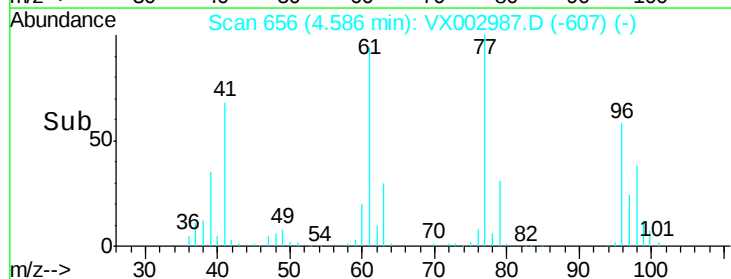
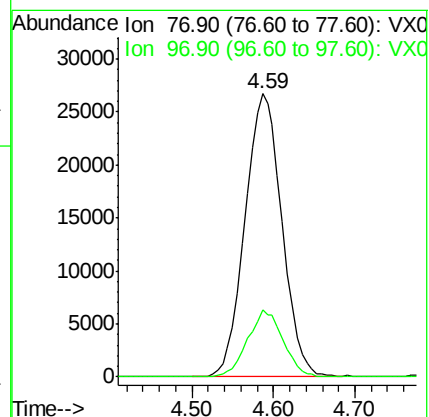
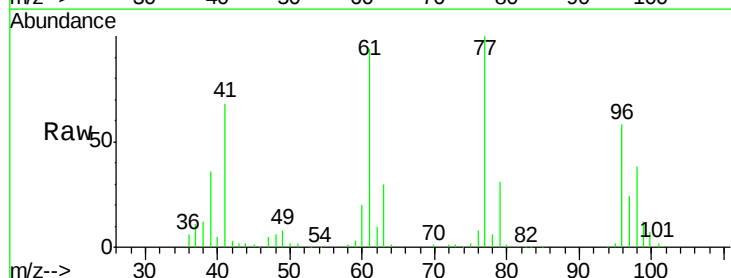
Acq: 28 Jun 2018 16:07

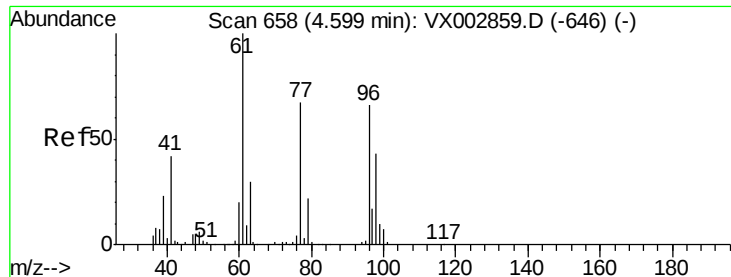
Tgt Ion: 77 Resp: 84013

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5



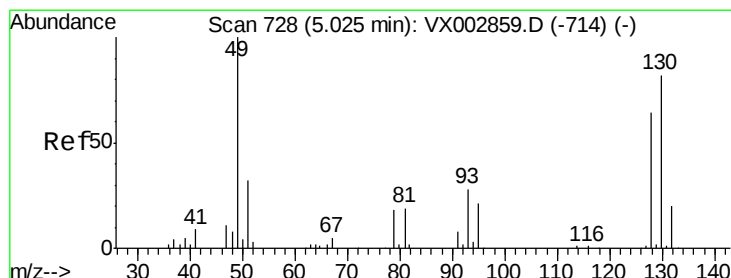
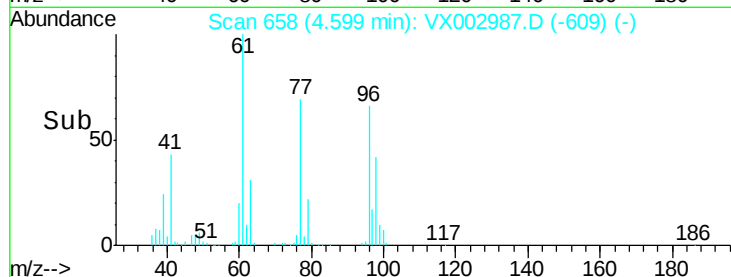
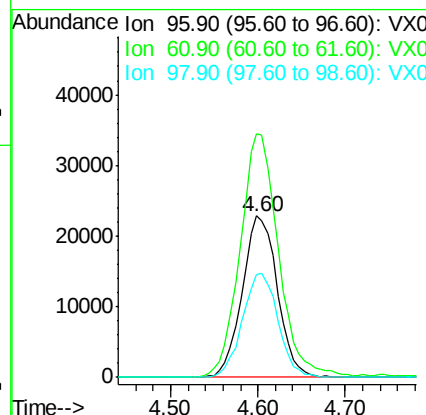
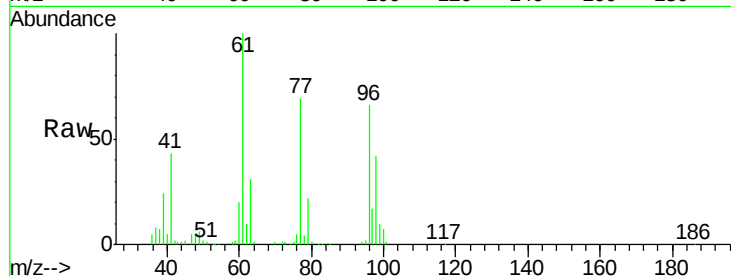


#27

cis-1,2-Dichloroethene
 Concen: 19.92 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

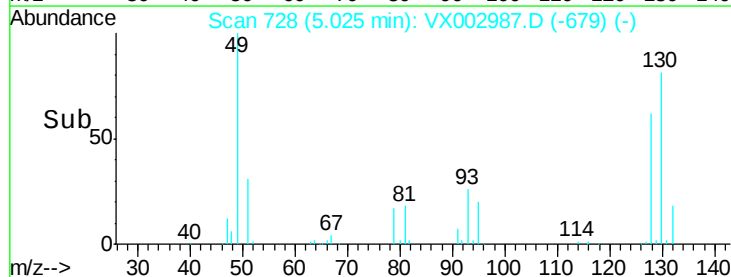
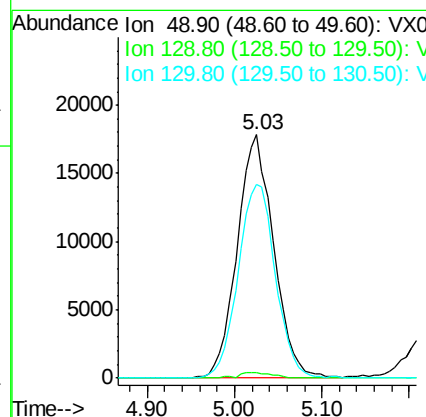
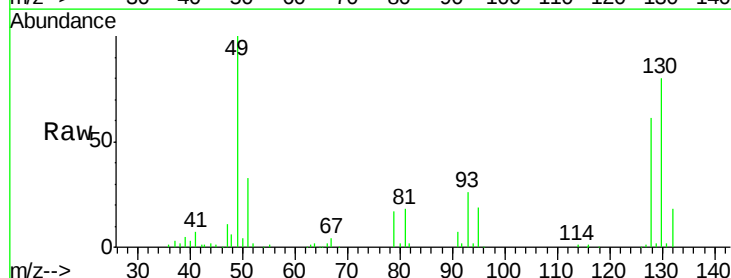
Tot Ion: 96 Resp: 63790
 Ion Ratio Lower Upper
 96 100
 61 165.8 0.0 330.2
 98 65.0 0.0 130.2

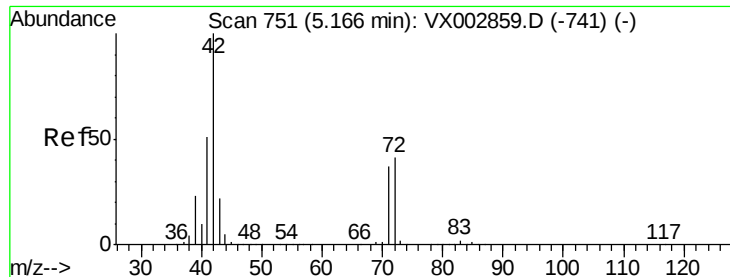


#28

Bromochloromethane
 Concen: 20.15 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion: 49 Resp: 51799
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 81.1 61.2 91.8

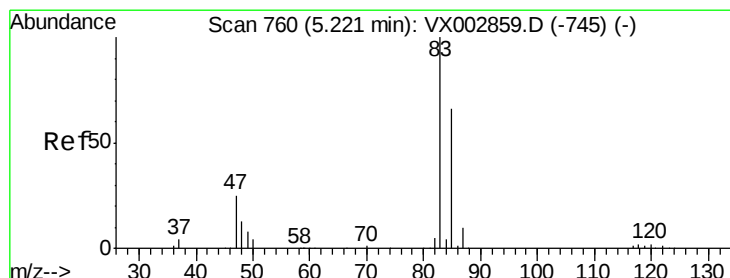
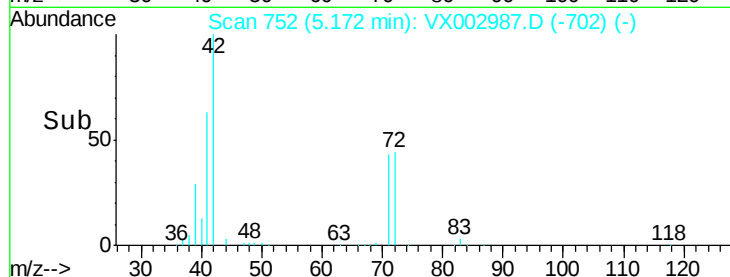
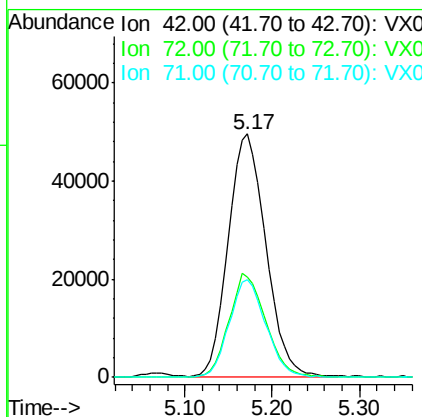
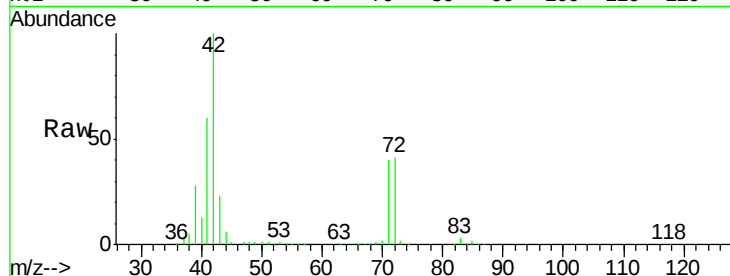




#29
Tetrahydrofuran
Concen: 101.73 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

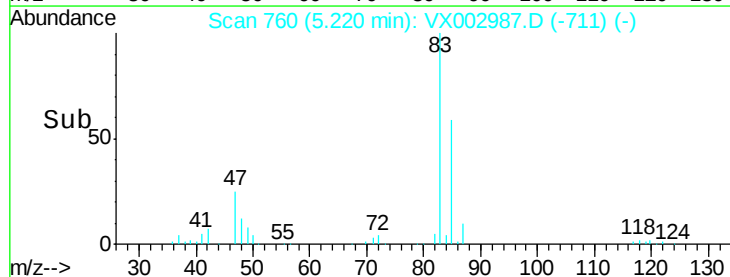
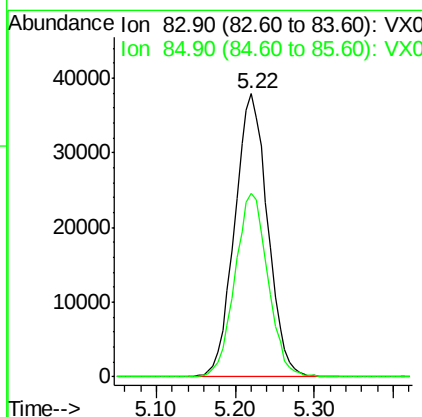
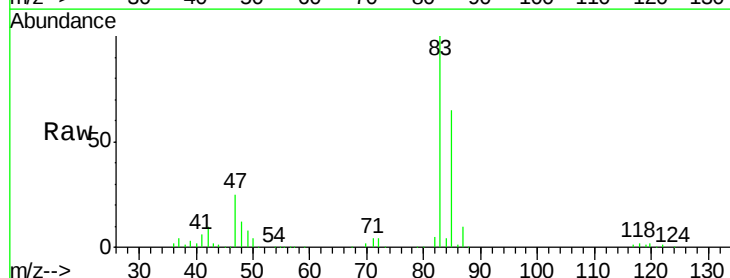
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

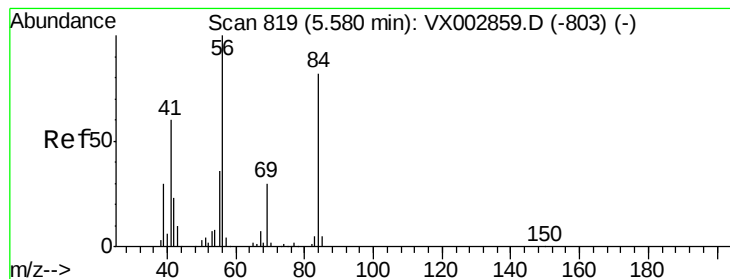
Tot Ion: 42 Resp: 147385
Ion Ratio Lower Upper
42 100
72 42.3 32.0 48.0
71 39.6 30.1 45.1



#30
Chloroform
Concen: 19.99 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion: 83 Resp: 110219
Ion Ratio Lower Upper
83 100
85 64.6 50.4 75.6





#31

Cyclohexane

Concen: 19.96 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

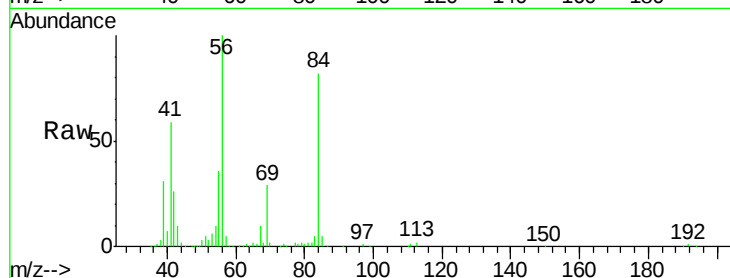
Tot Ion: 56 Resp: 91999

Ion Ratio Lower Upper

56 100

69 28.6 23.7 35.5

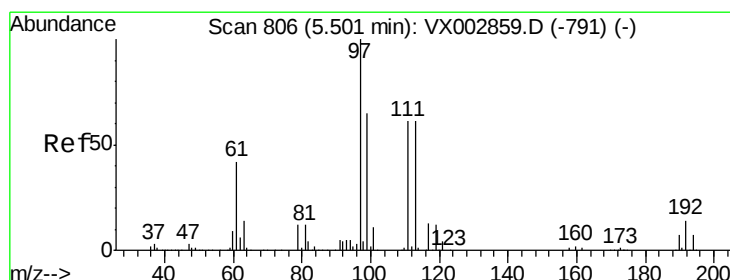
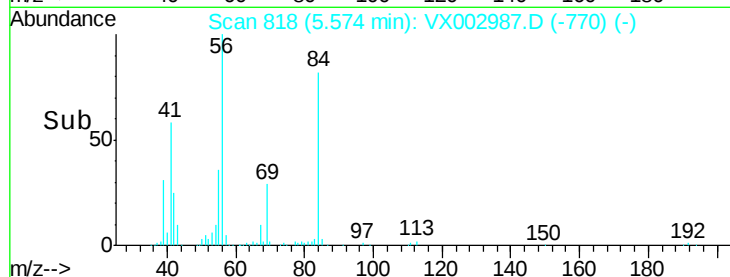
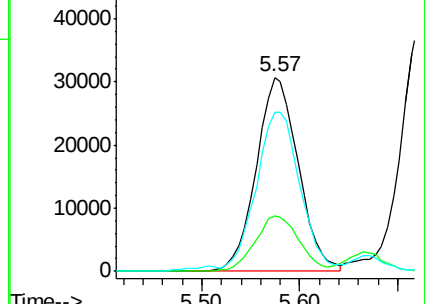
84 80.5 64.1 96.1



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: 19.88 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

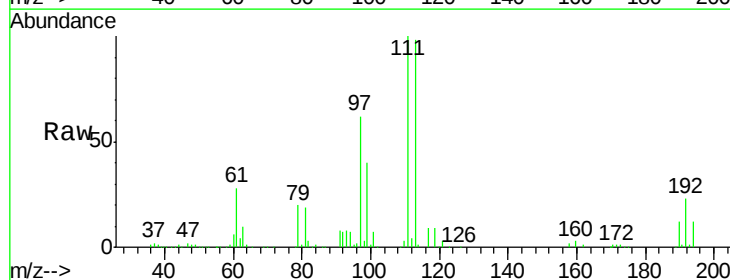
Tgt Ion: 97 Resp: 96443

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

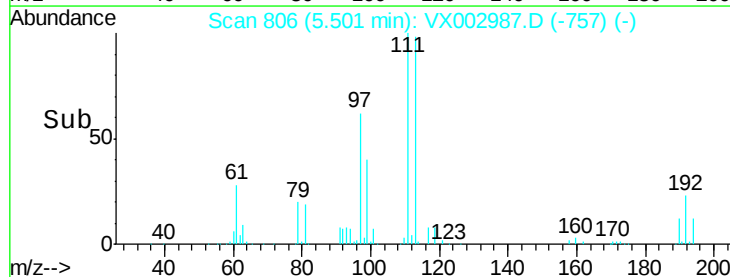
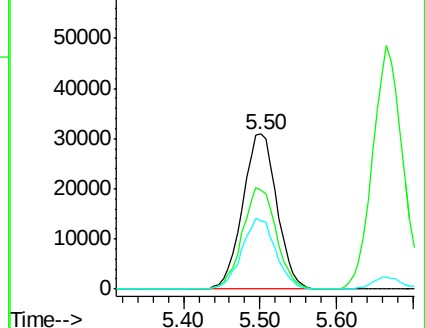
61 45.2 36.4 54.6



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

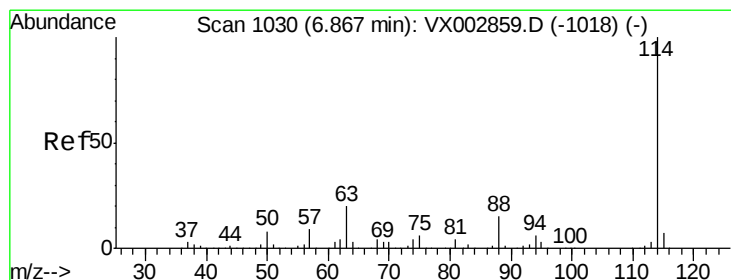
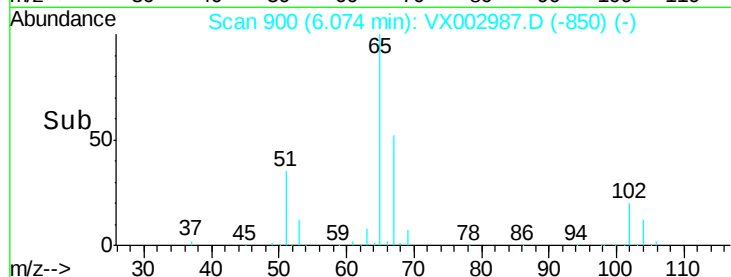
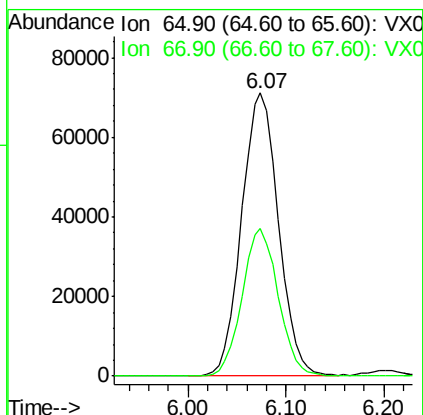
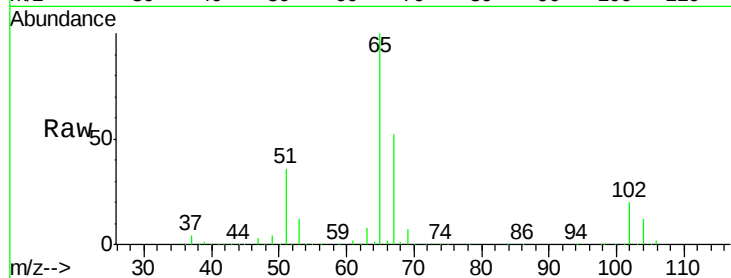




#33
 1,2-Dichloroethane-d4
 Concen: 50.50 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

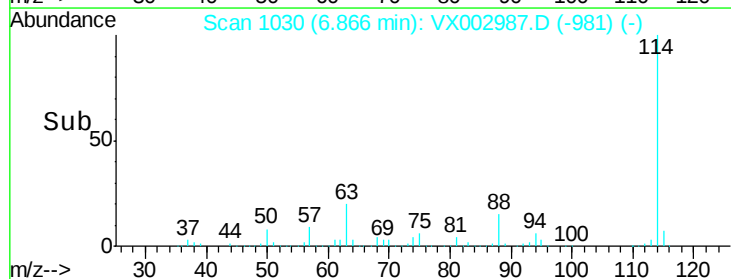
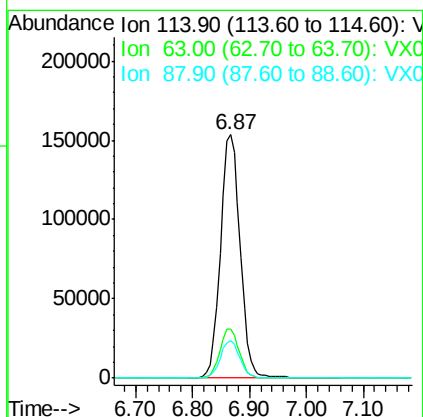
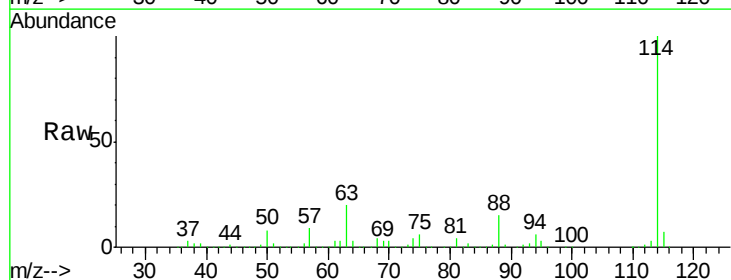
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

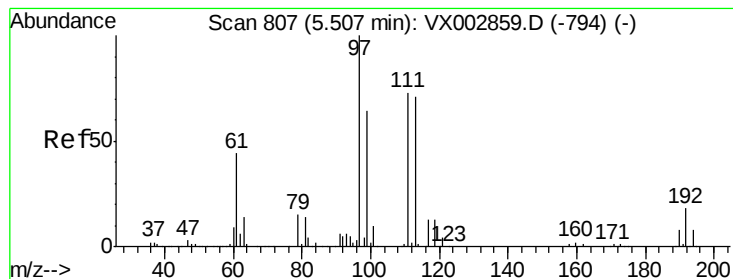
Tot Ion: 65 Resp: 185630
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion: 114 Resp: 367306
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.42 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampled :

VX0628WBSD01

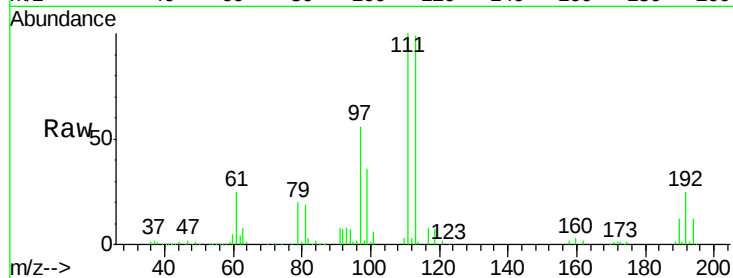
Tot Ion:113 Resp: 149564

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

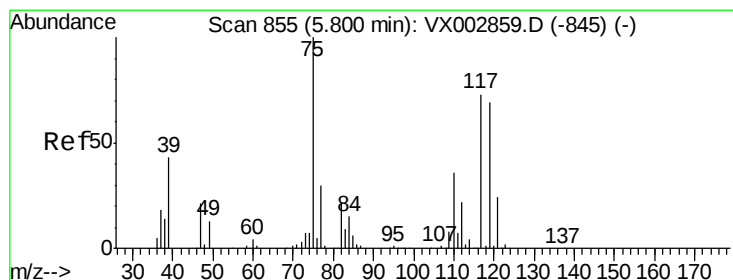
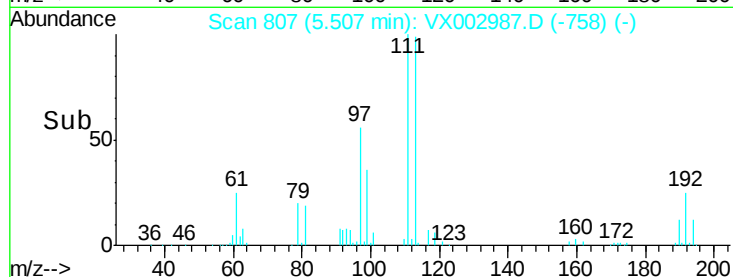
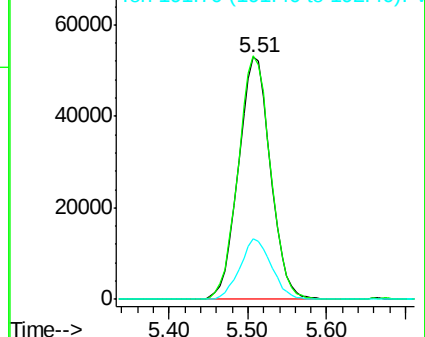
192 24.7 19.1 28.7



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: 19.42 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

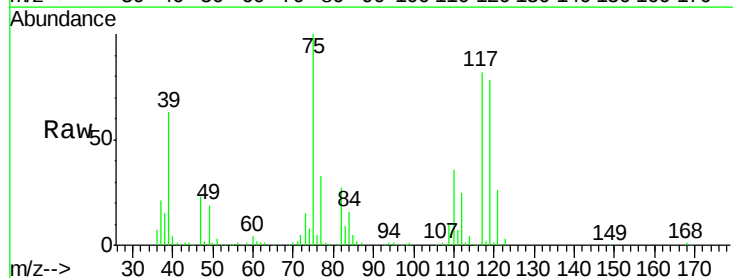
Tgt Ion: 75 Resp: 78231

Ion Ratio Lower Upper

75 100

110 37.3 18.1 54.4

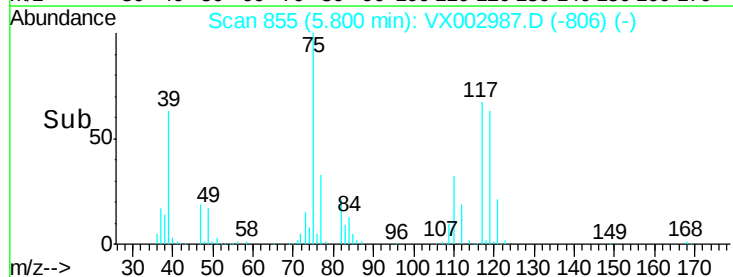
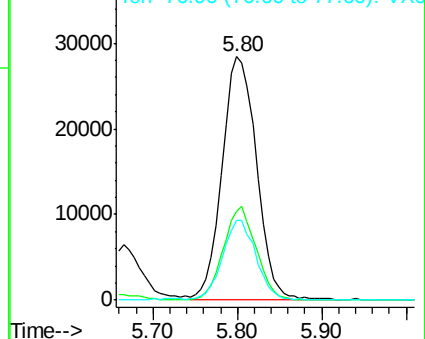
77 32.4 24.3 36.5

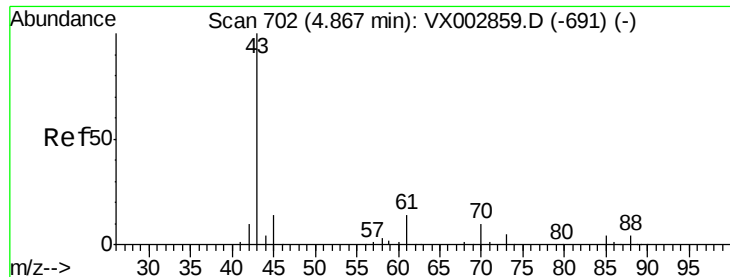


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

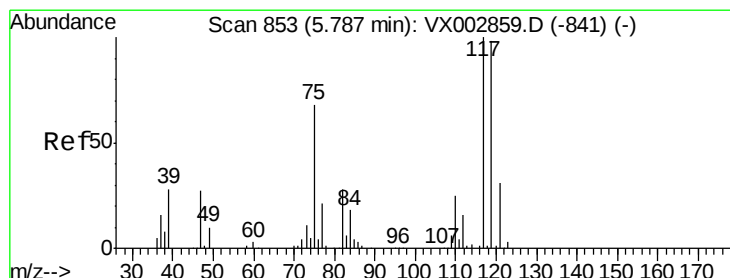
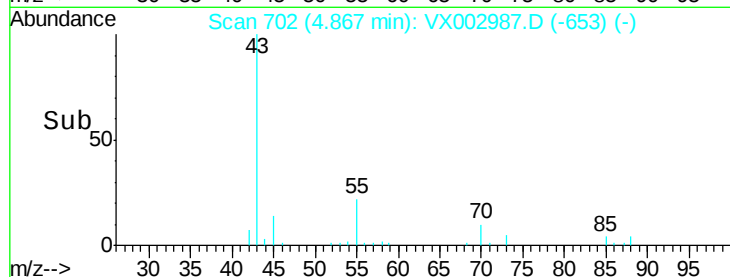
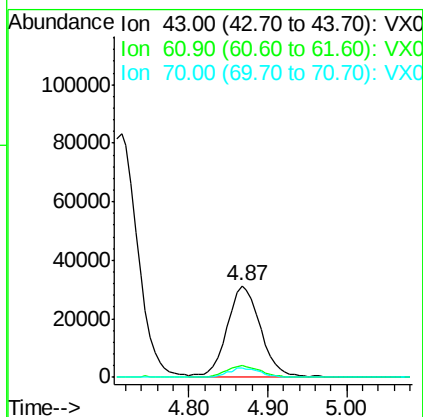
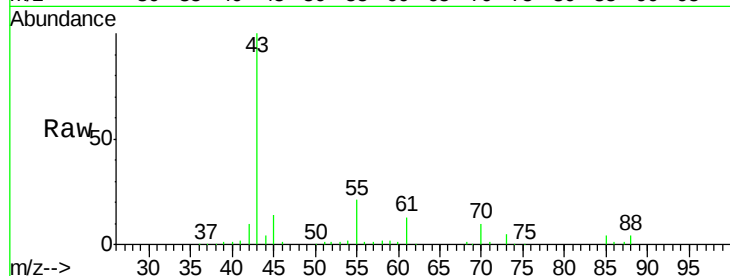




#37
Ethyl Acetate
Concen: 21.01 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

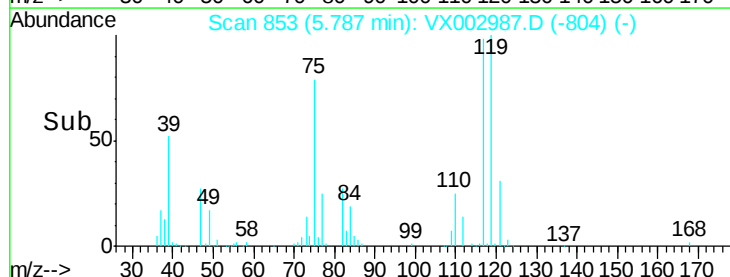
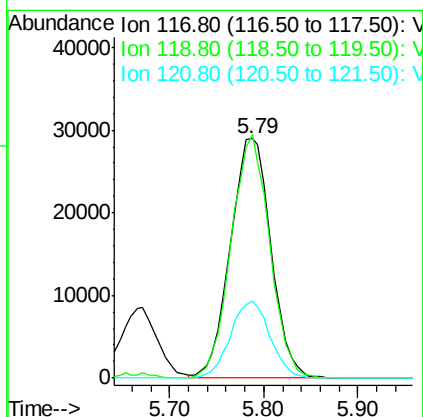
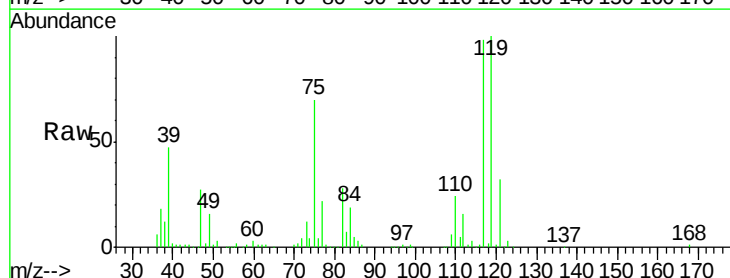
Instrument :
MSVOA_X
ClientSampleID :
VX0628WBSD01

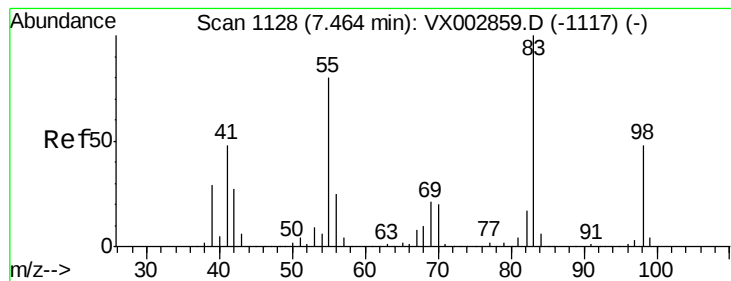
Tot Ion: 43 Resp: 91122
Ion Ratio Lower Upper
43 100
61 13.7 10.4 15.6
70 10.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.76 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion: 117 Resp: 87357
Ion Ratio Lower Upper
117 100
119 101.5 77.4 116.0
121 32.2 24.4 36.6





#39

Methylvlcyclohexane

Concen: 19.53 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

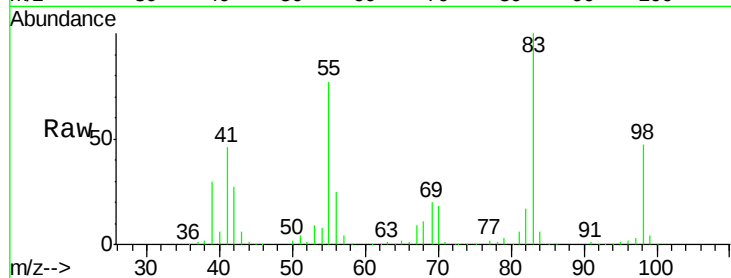
Tot Ion: 83 Resp: 91627

Ion Ratio Lower Upper

83 100

55 76.5 65.4 98.0

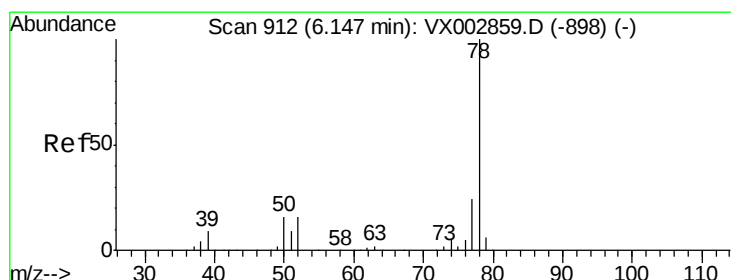
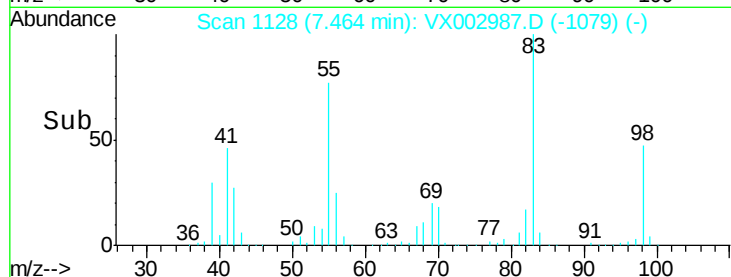
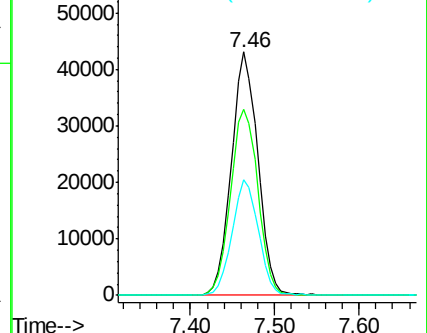
98 47.3 37.4 56.0



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: 19.86 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX002987.D

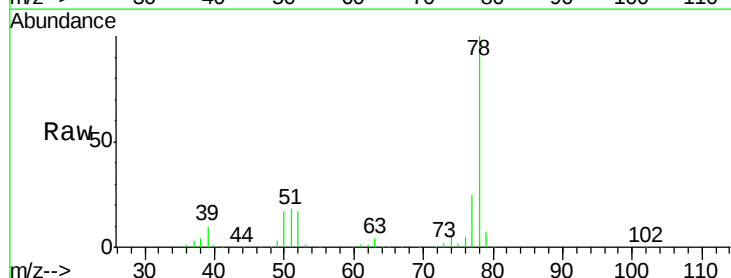
Acq: 28 Jun 2018 16:07

Tgt Ion: 78 Resp: 232406

Ion Ratio Lower Upper

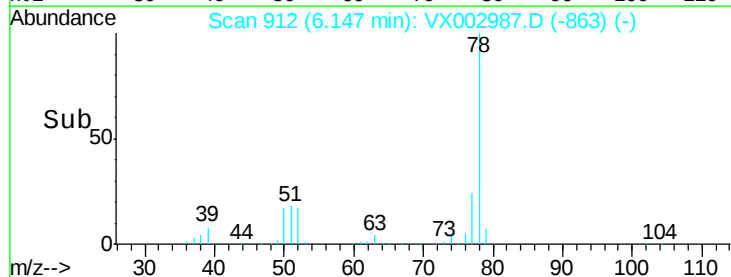
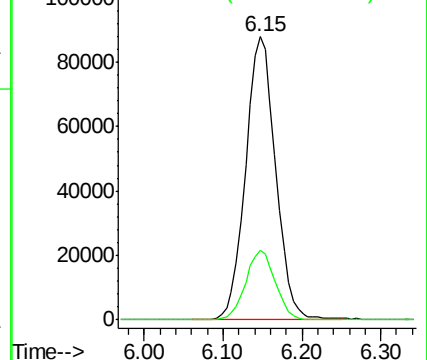
78 100

77 24.5 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: 20.56 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 41 Resp: 51344

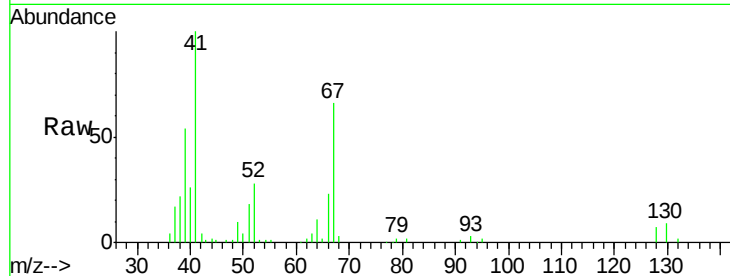
Ion Ratio Lower Upper

41 100

39 56.2 45.8 68.6

67 66.1 51.3 76.9

52 29.9 23.0 34.6

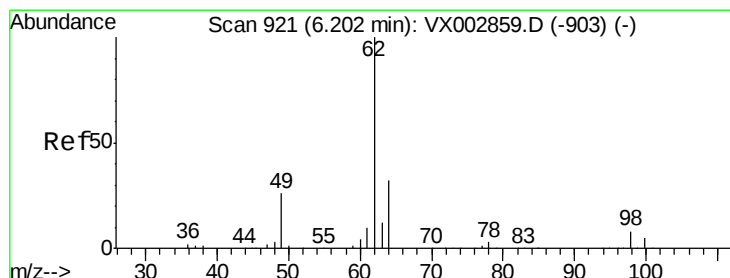
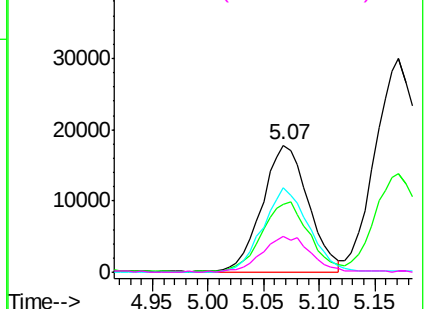
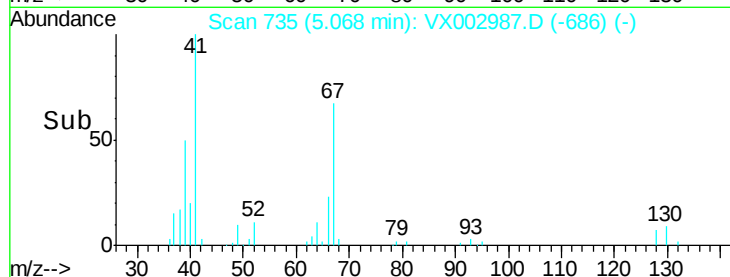


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.64 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX002987.D

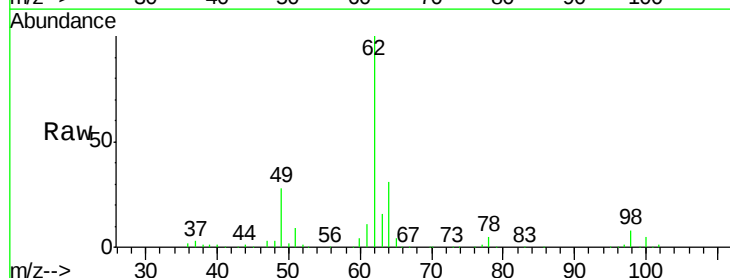
Acq: 28 Jun 2018 16:07

Tgt Ion: 62 Resp: 92843

Ion Ratio Lower Upper

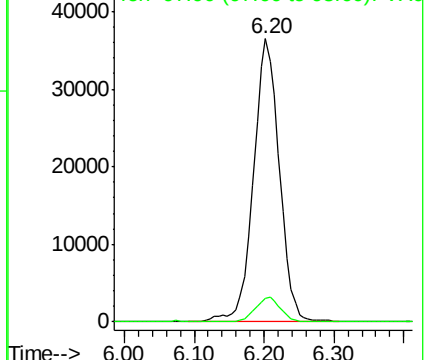
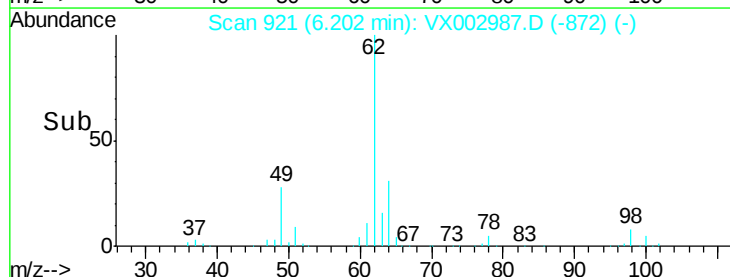
62 100

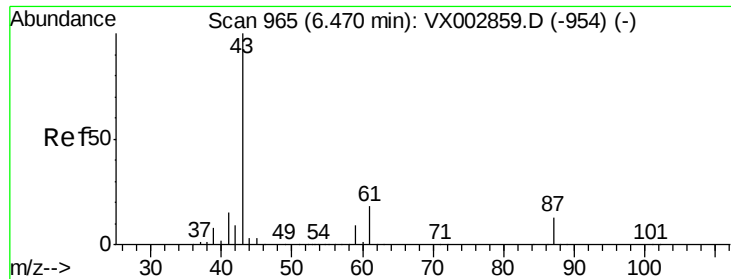
98 8.5 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



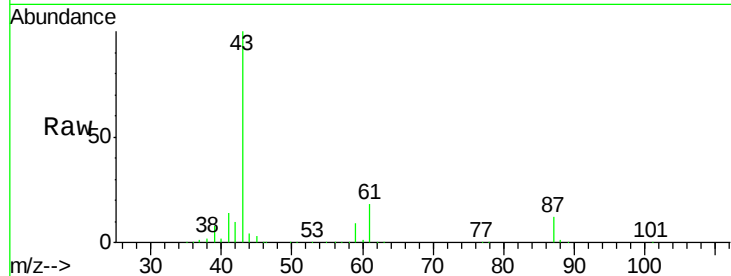


#43

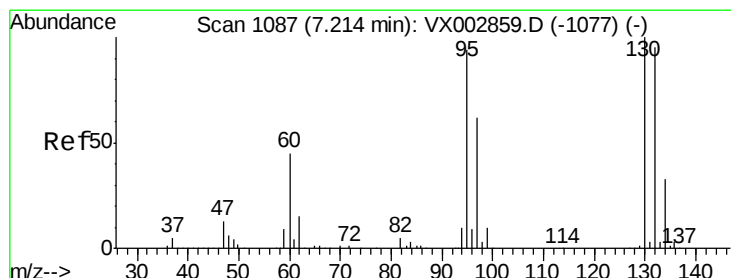
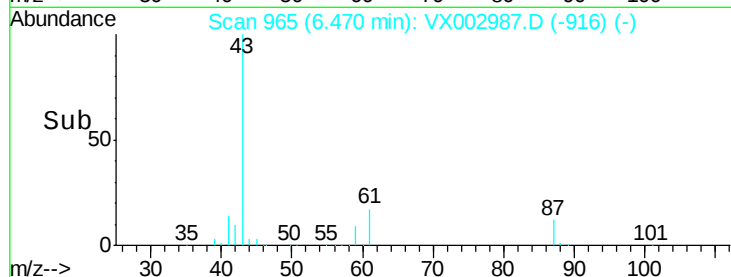
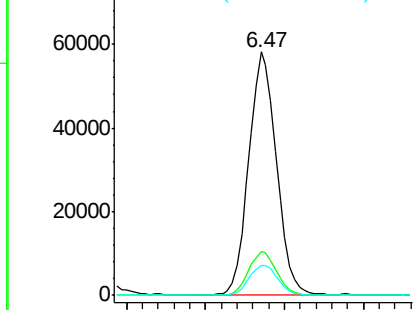
Isopropyl Acetate
 Concen: 19.62 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion: 43 Resp: 142715
 Ion Ratio Lower Upper
 43 100
 61 18.2 14.4 21.6
 87 12.9 9.5 14.3



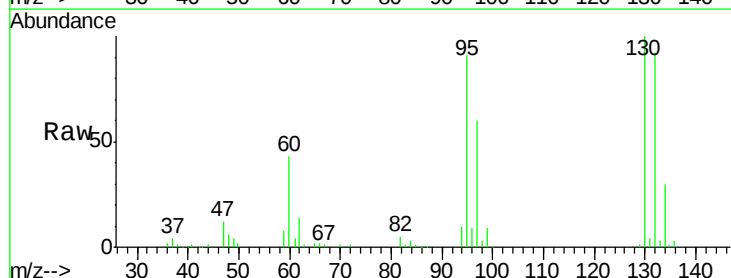
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



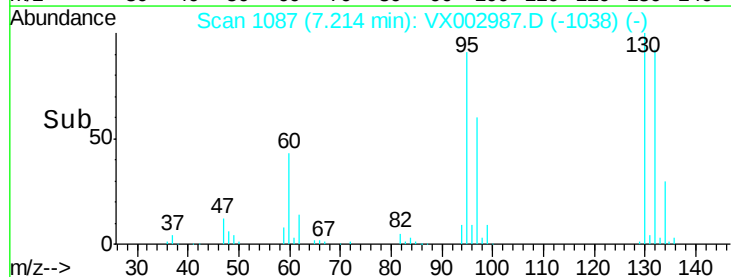
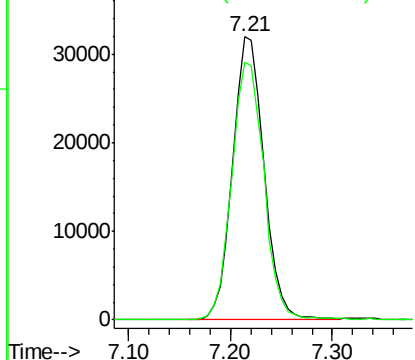
#44

Trichloroethene
 Concen: 19.53 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion:130 Resp: 68131
 Ion Ratio Lower Upper
 130 100
 95 91.2 0.0 185.4



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

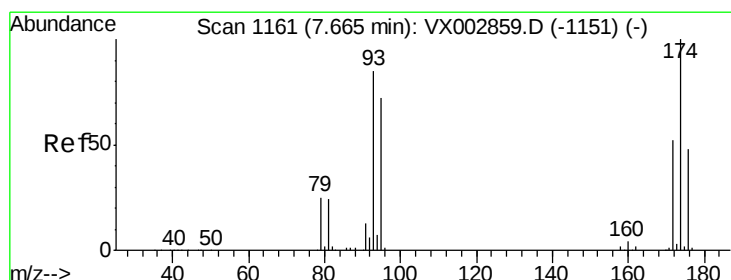
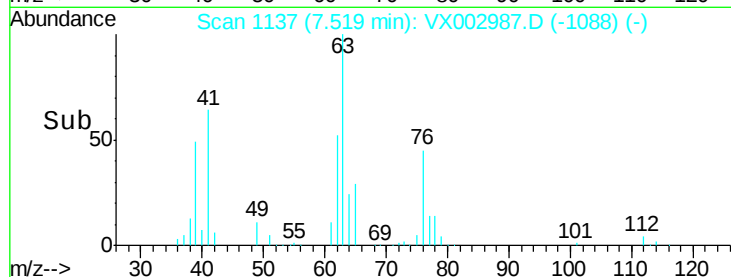
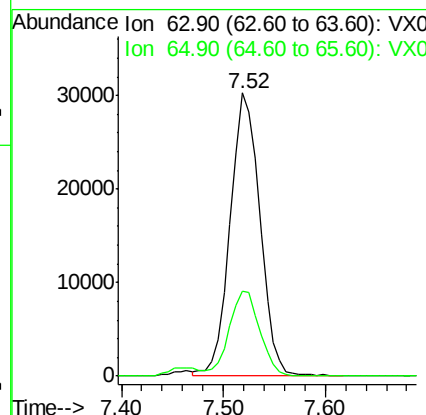
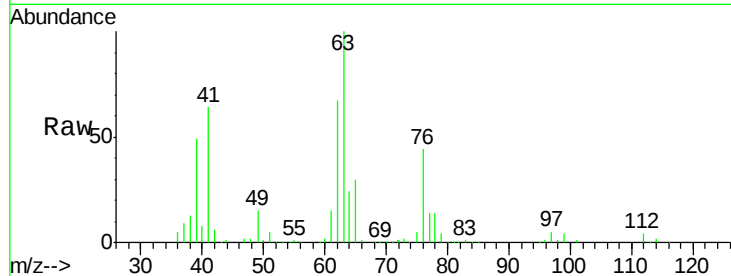




#45
1,2-Dichloropropane
Concen: 19.70 ug/l
RT: 7.52 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

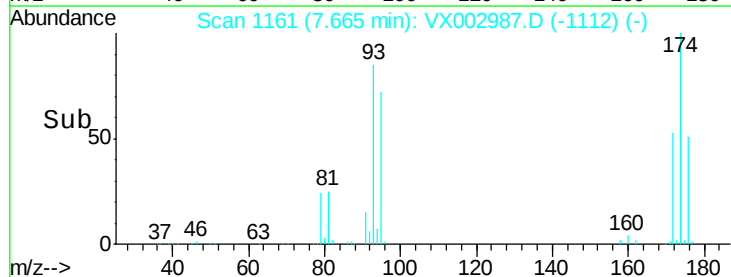
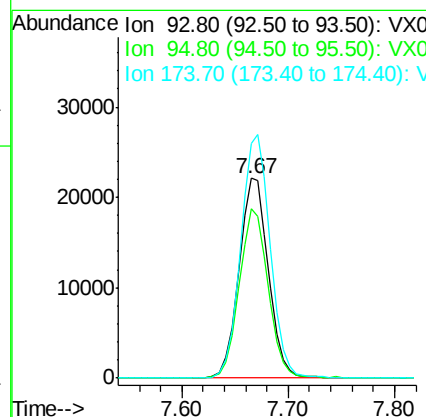
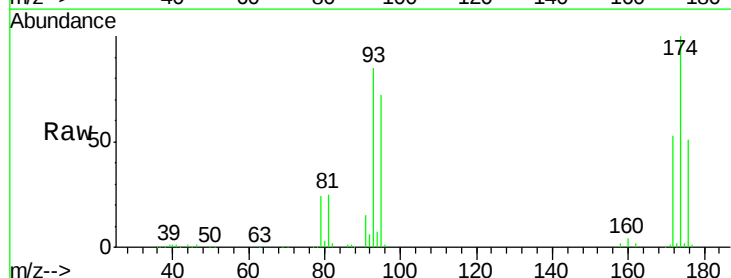
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion: 63 Resp: 61159
Ion Ratio Lower Upper
63 100
65 29.8 24.7 37.1



#46
Dibromomethane
Concen: 19.89 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion: 93 Resp: 42848
Ion Ratio Lower Upper
93 100
95 83.6 65.9 98.9
174 122.0 92.4 138.6





#47

Bromodichloromethane

Concen: 20.01 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

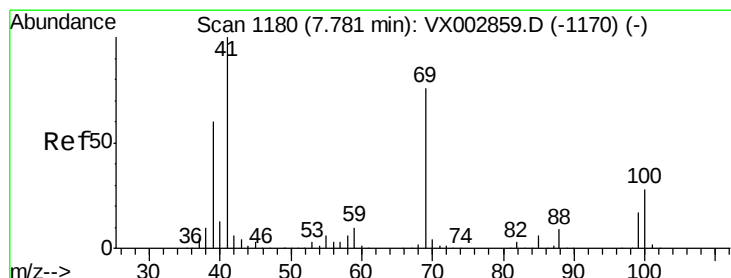
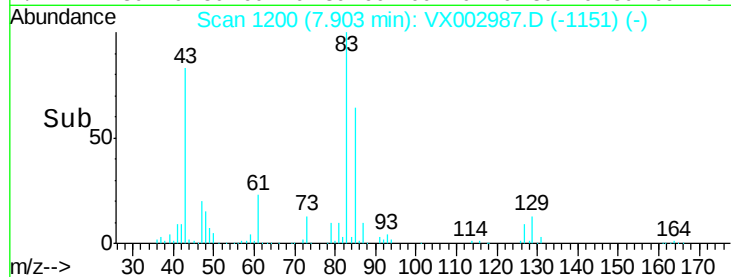
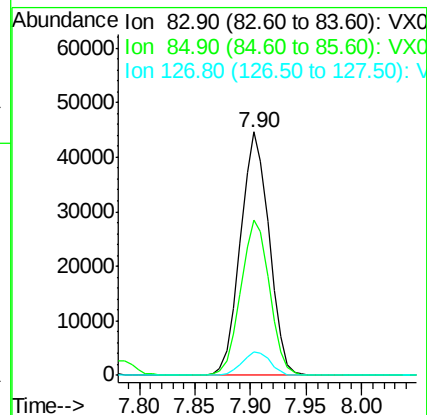
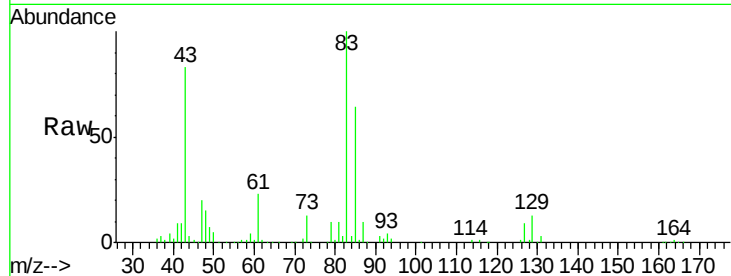
Tot Ion: 83 Resp: 79708

Ion Ratio Lower Upper

83 100

85 63.8 50.3 75.5

127 9.5 7.0 10.4



#48

Methyl methacrylate

Concen: 19.38 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

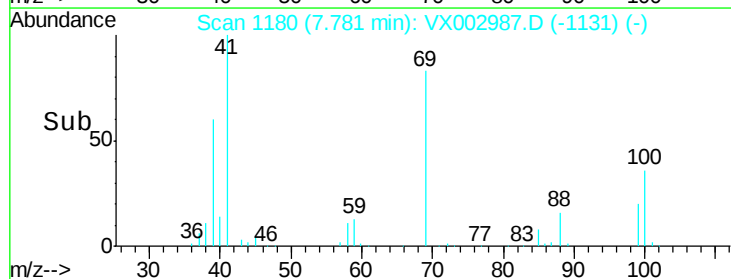
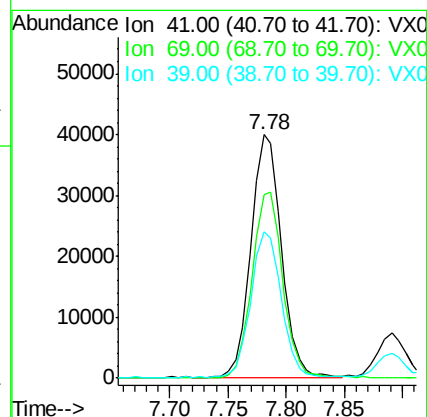
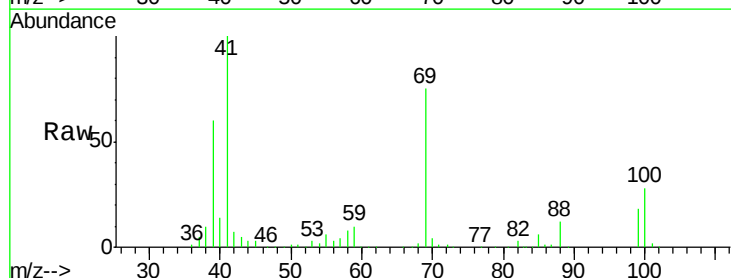
Tgt Ion: 41 Resp: 72638

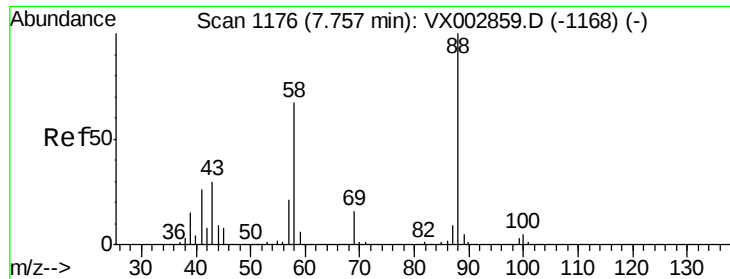
Ion Ratio Lower Upper

41 100

69 77.8 59.1 88.7

39 60.3 48.9 73.3

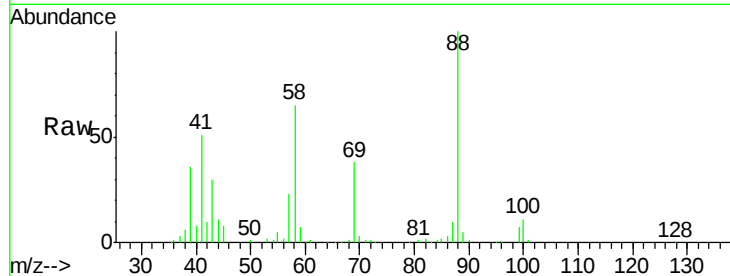




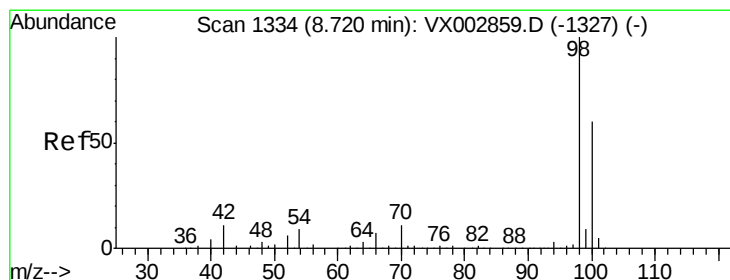
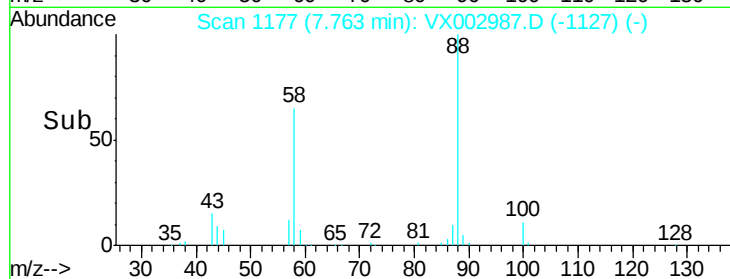
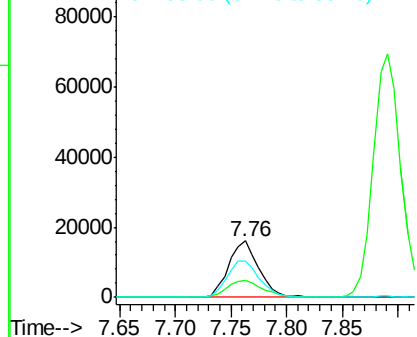
#49
 1,4-Dioxane
 Concen: 415.32 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Tot Ion: 88 Resp: 30283
 Ion Ratio Lower Upper
 88 100
 43 33.9 29.8 44.6
 58 71.1 57.1 85.7

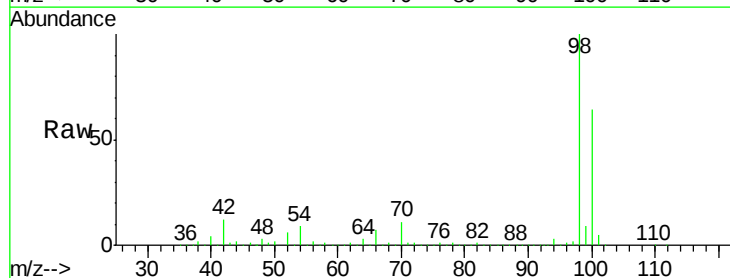


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

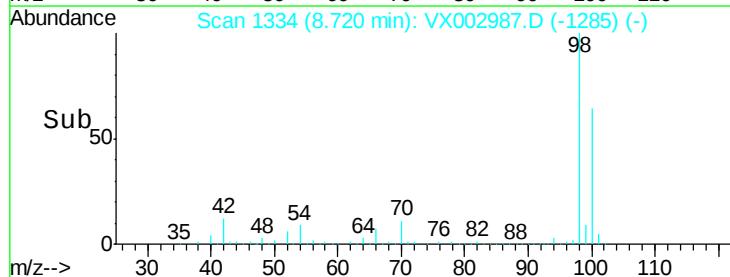
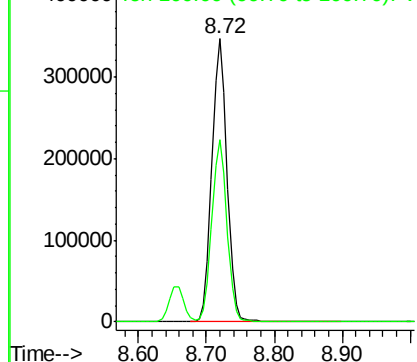


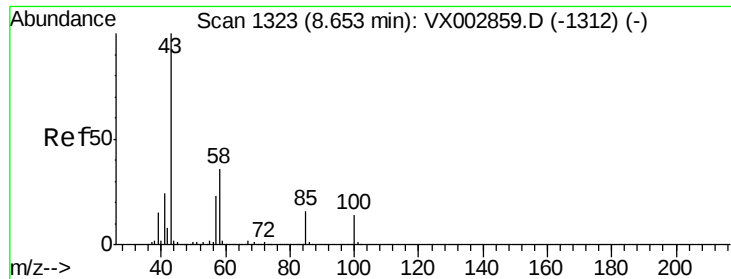
#50
 Toluene-d8
 Concen: 50.52 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion: 98 Resp: 536582
 Ion Ratio Lower Upper
 98 100
 100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 102.38 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

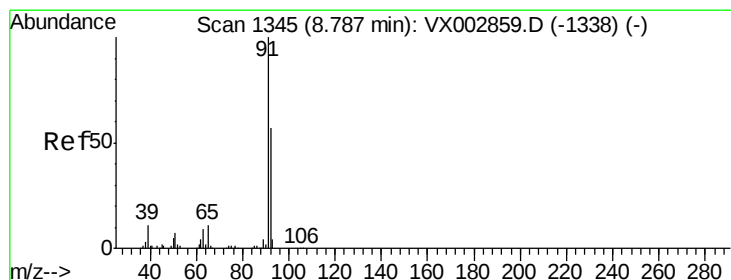
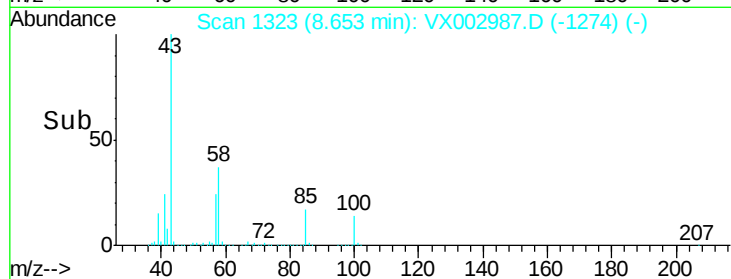
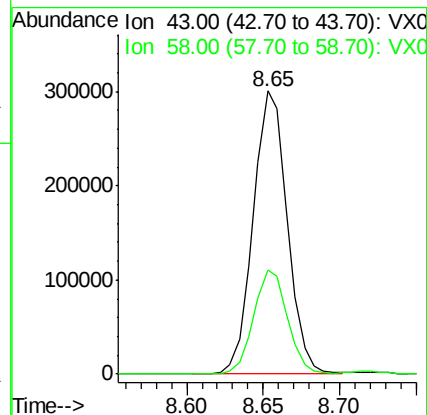
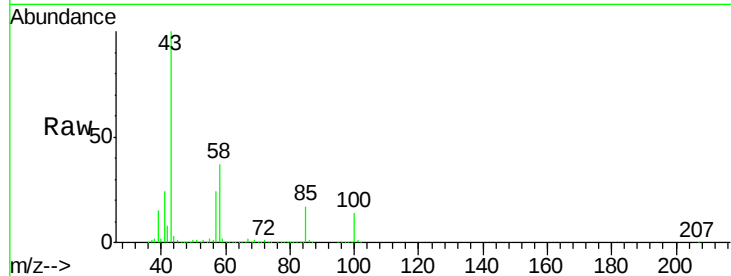
VX0628WBSD01

Tot Ion: 43 Resp: 465907

Ion Ratio Lower Upper

43 100

58 36.4 28.6 42.8



#52

Toluene

Concen: 20.08 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002987.D

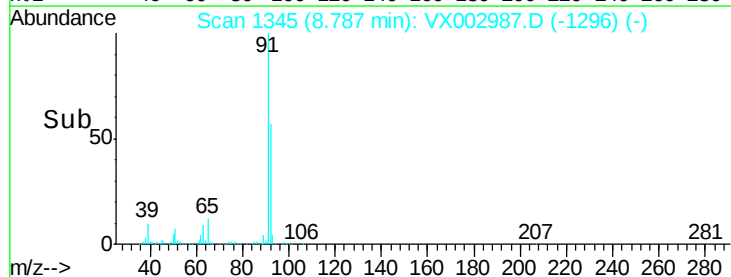
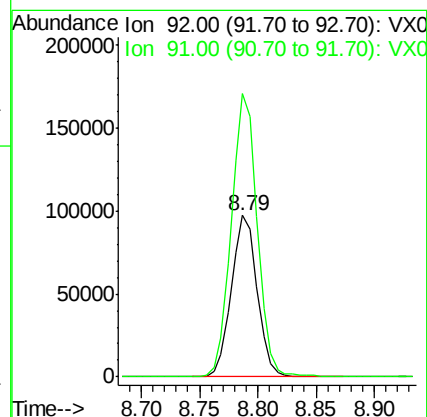
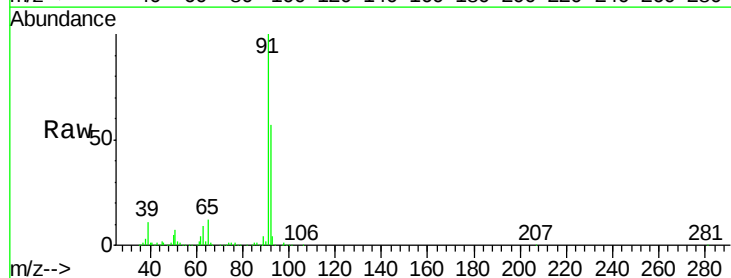
Acq: 28 Jun 2018 16:07

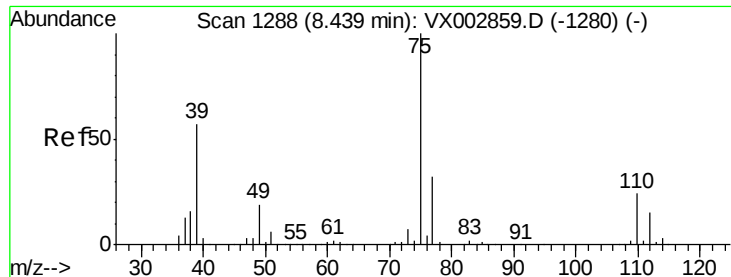
Tgt Ion: 92 Resp: 150551

Ion Ratio Lower Upper

92 100

91 175.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.04 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

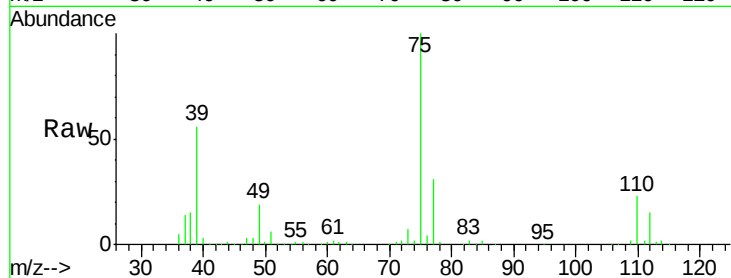
VX0628WBSD01

Tot Ion: 75 Resp: 90395

Ion Ratio Lower Upper

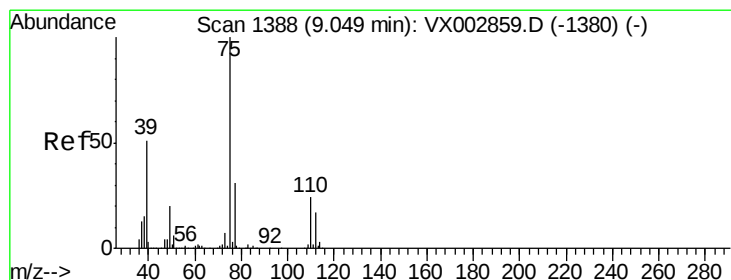
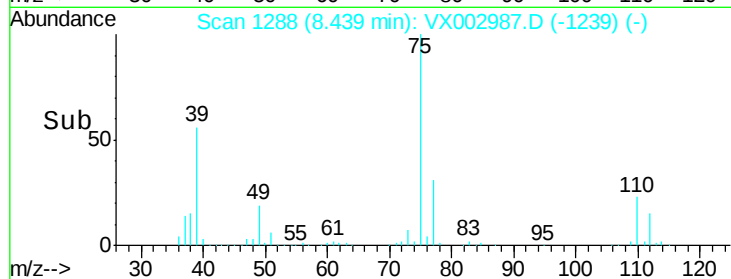
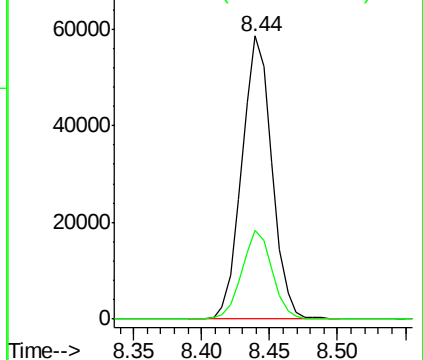
75 100

77 31.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.81 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

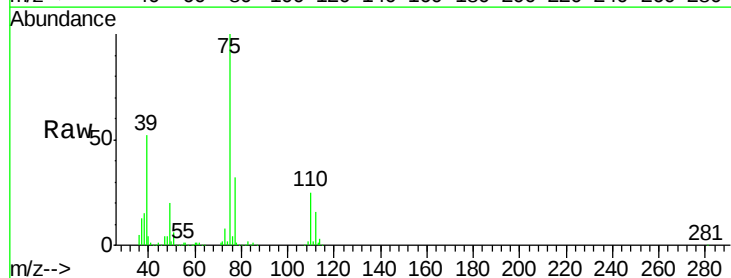
Tgt Ion: 75 Resp: 81622

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

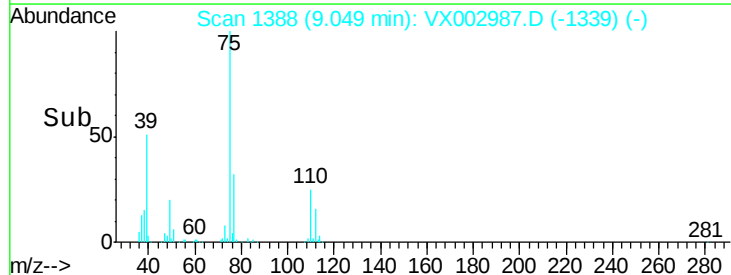
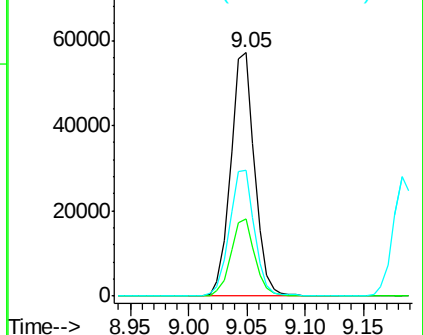
39 51.5 42.4 63.6

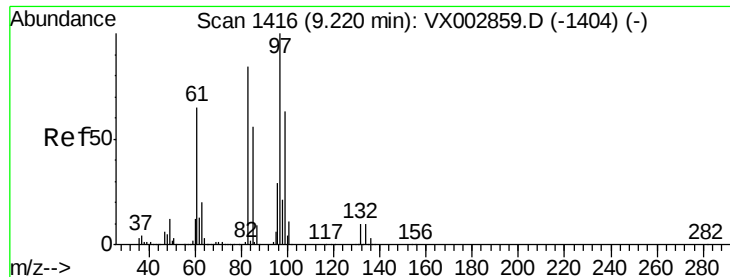


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 20.18 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

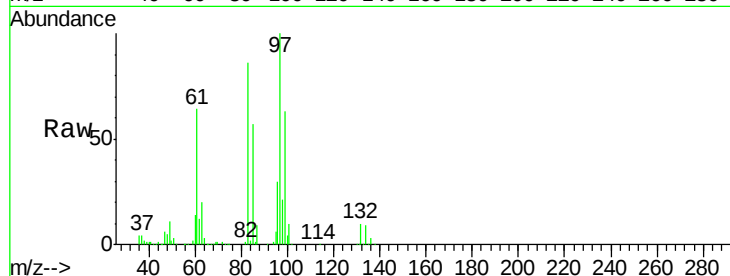
MSVOA_X

ClientSampleId :

VX0628WBSD01

Tot Ion: 97 Resp: 62157

Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.2	105.2
85	56.6	44.9	67.3
99	63.3	49.8	74.8

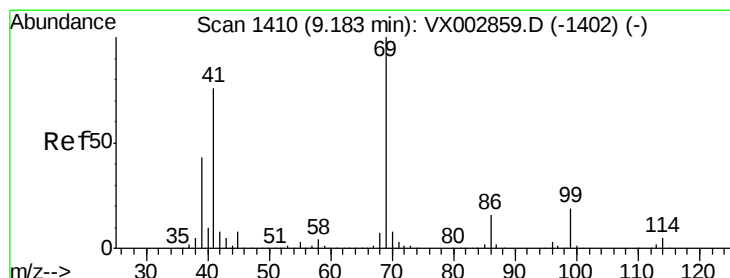
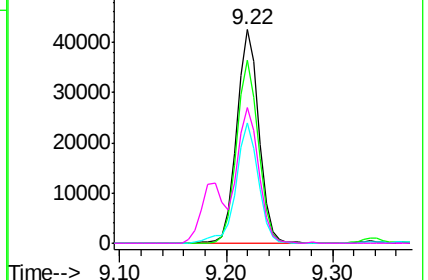
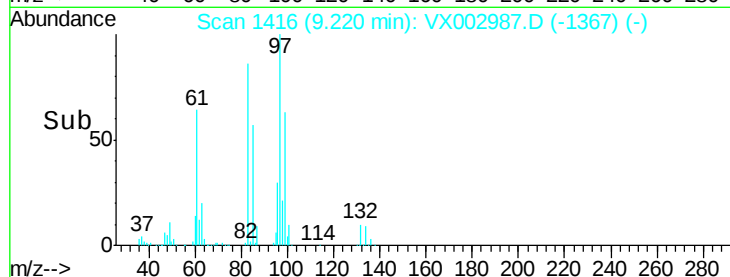


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.97 ug/l

RT: 9.18 min Scan# 1410

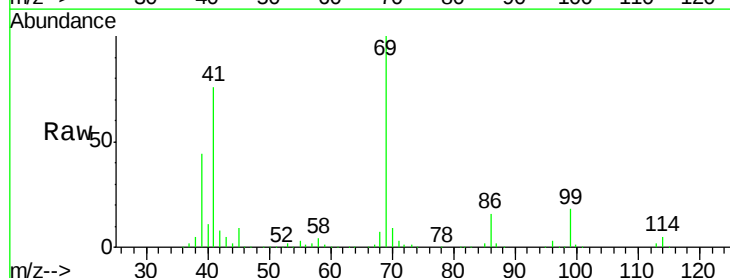
Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion: 69 Resp: 89915

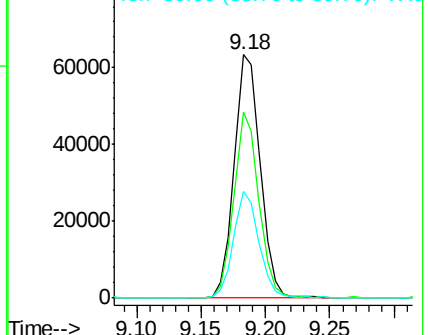
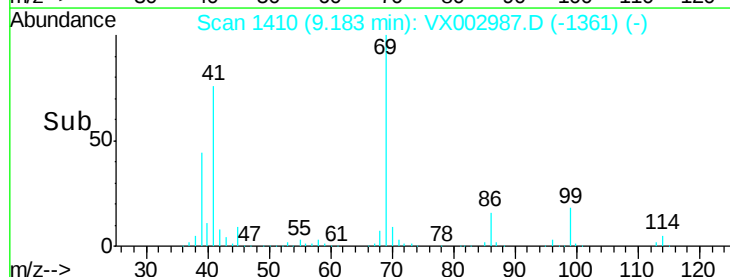
Ion	Ratio	Lower	Upper
69	100		
41	73.0	60.3	90.5
39	42.6	35.8	53.8

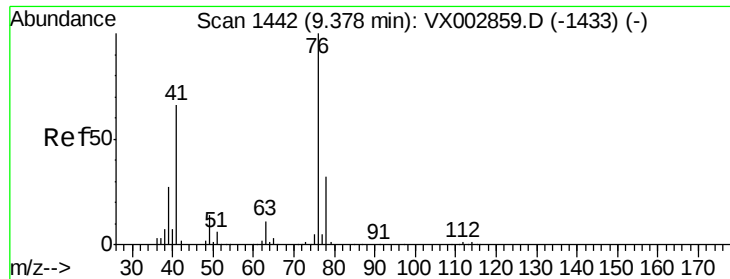


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

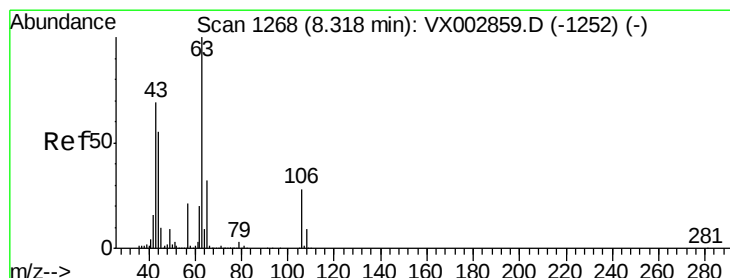
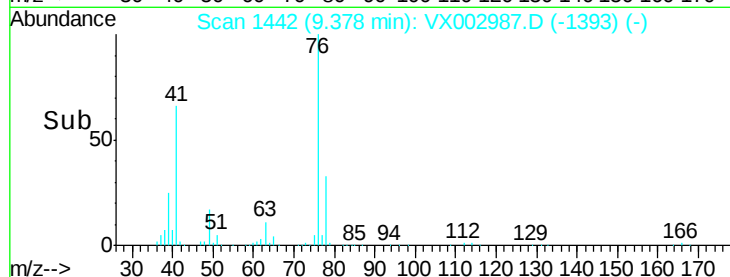
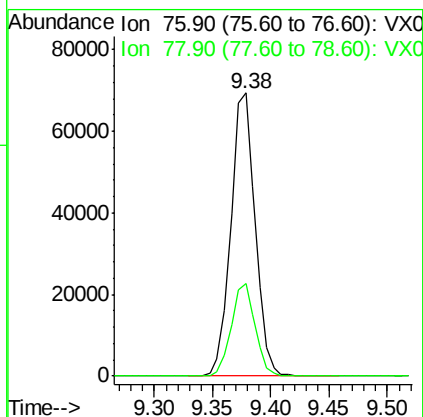
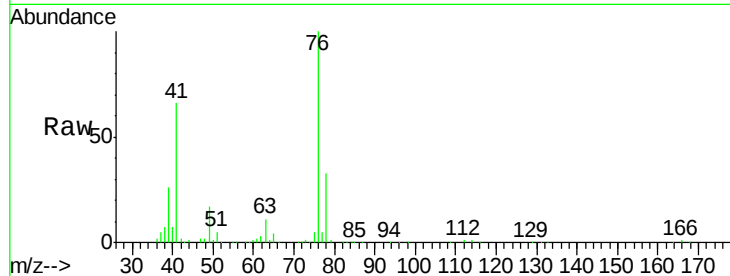




#57
 1,3-Dichloropropane
 Concen: 19.99 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

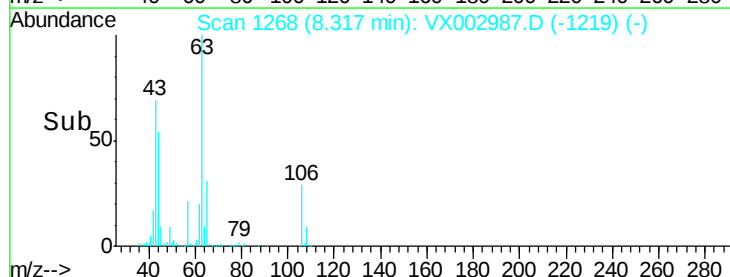
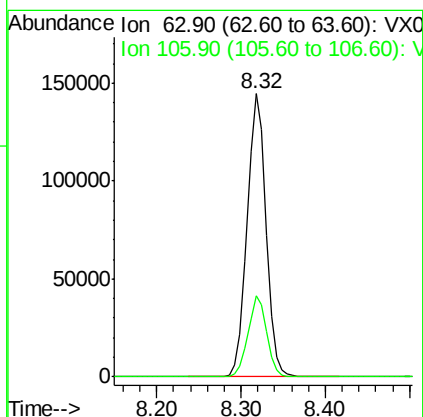
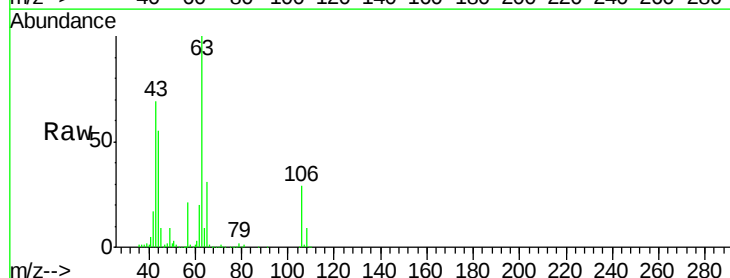
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

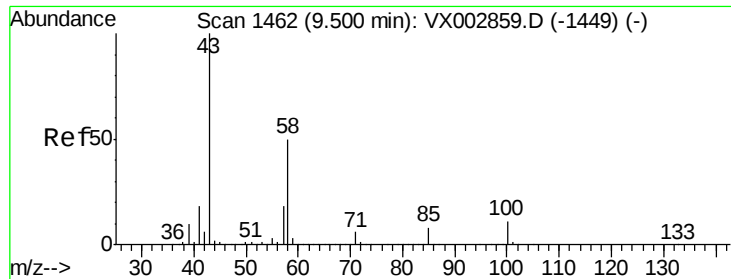
Tot Ion: 76 Resp: 101135
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.28 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion: 63 Resp: 217843
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.8 32.8

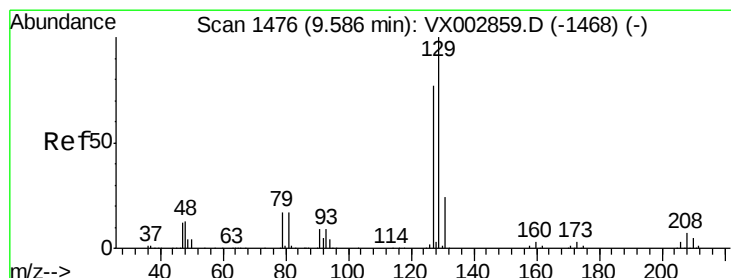
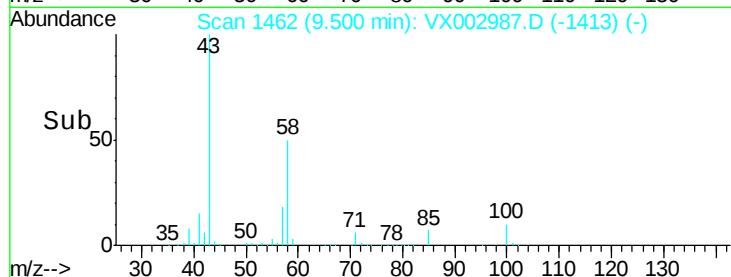
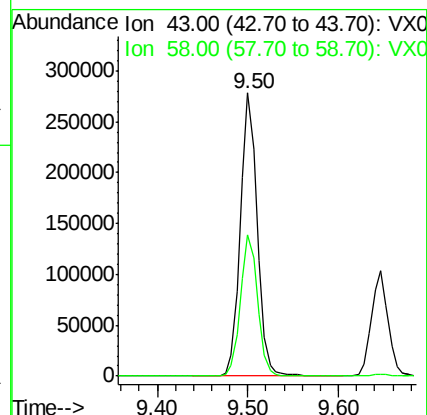
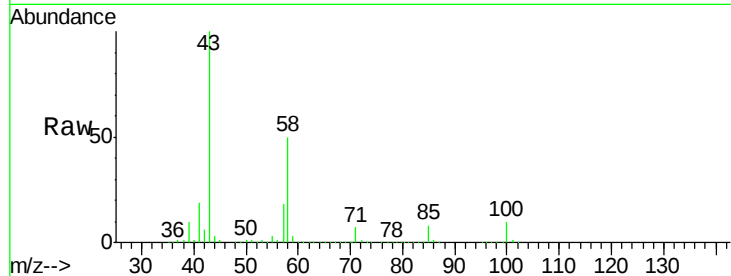




#59
2-Hexanone
Concen: 103.97 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

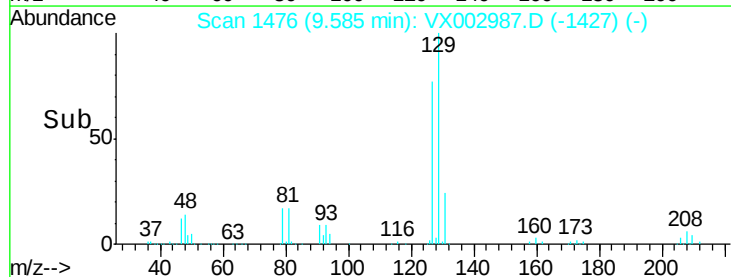
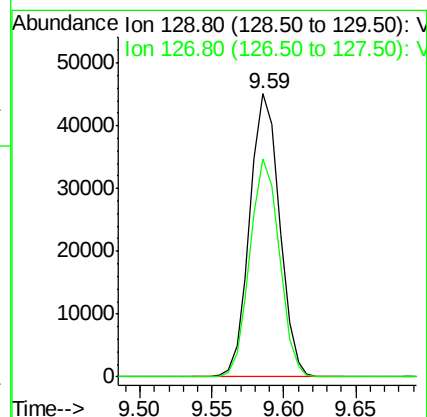
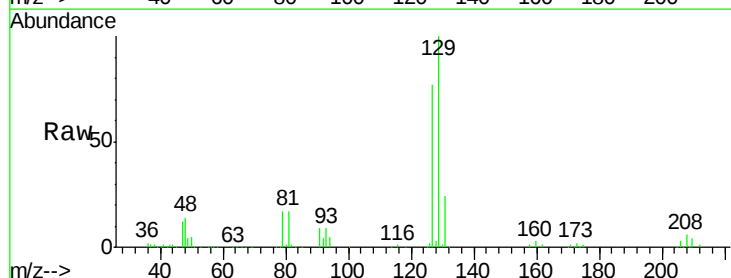
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

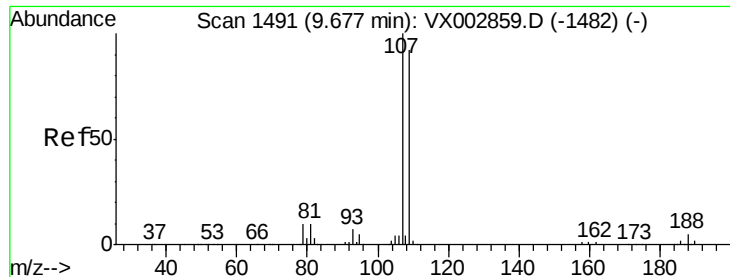
Tot Ion: 43 Resp: 359581
Ion Ratio Lower Upper
43 100
58 50.7 24.6 73.6



#60
Dibromochloromethane
Concen: 19.87 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion: 129 Resp: 64448
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.17 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

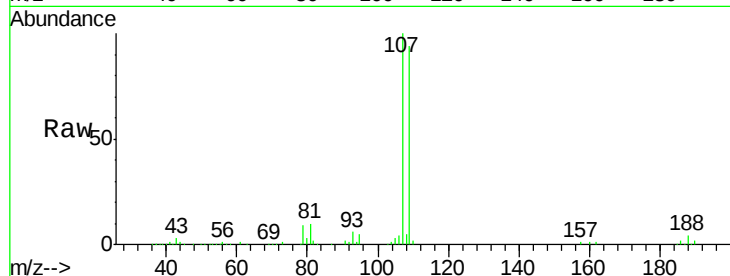
VX0628WBSD01

Tot Ion:107 Resp: 65170

Ion Ratio Lower Upper

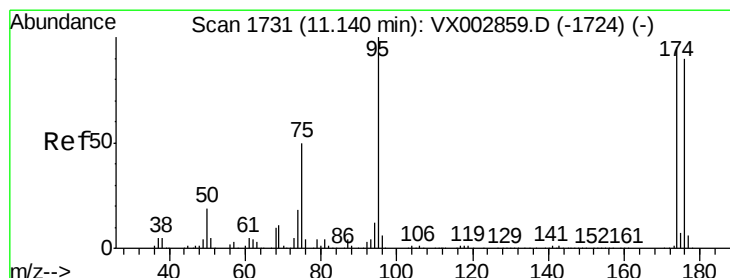
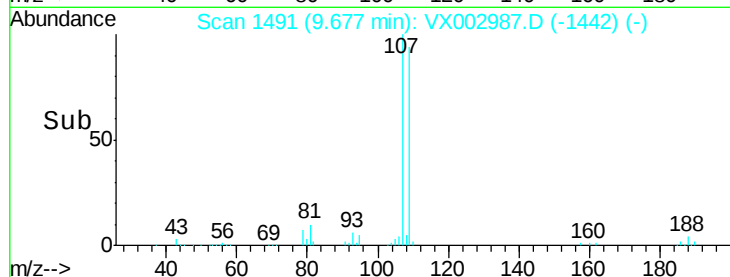
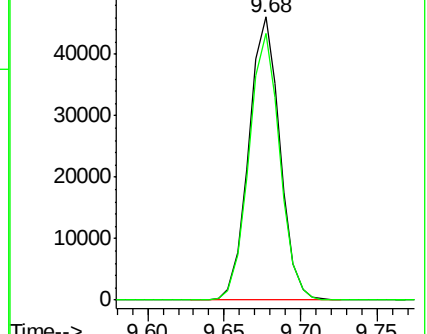
107 100

109 93.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

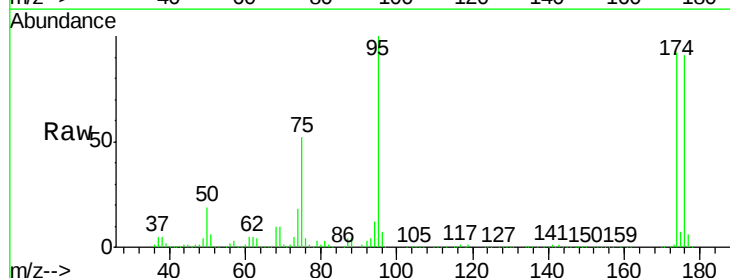
Tgt Ion: 95 Resp: 202825

Ion Ratio Lower Upper

95 100

174 95.9 0.0 187.4

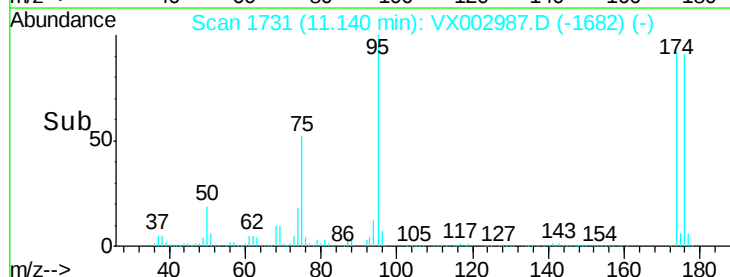
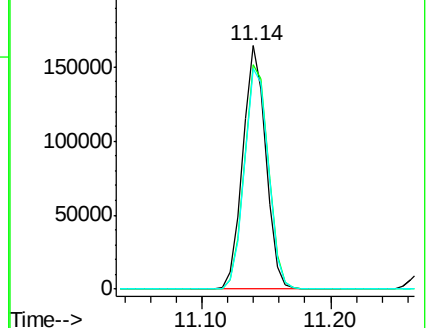
176 94.2 0.0 181.0

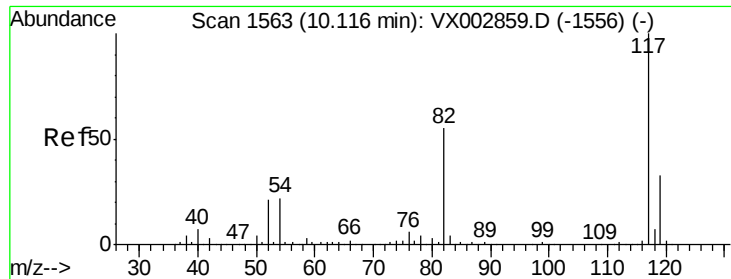


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

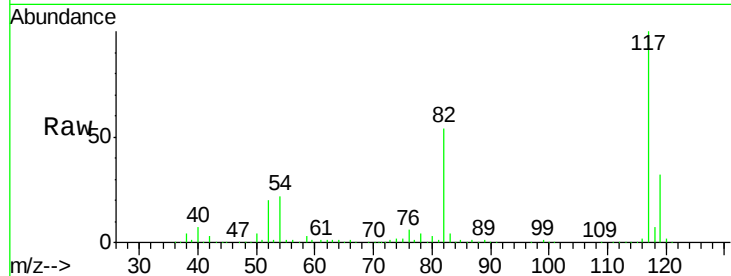




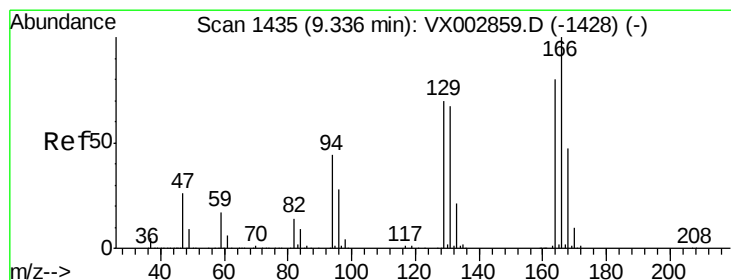
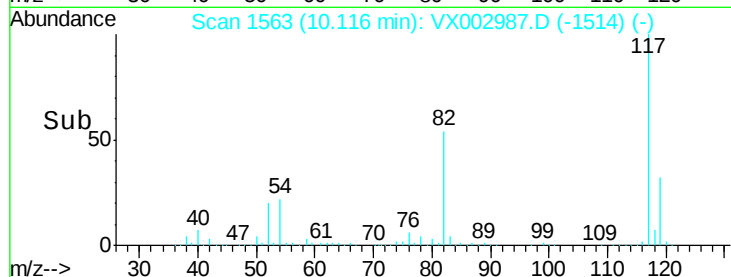
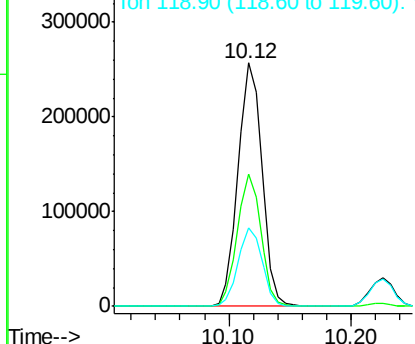
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion:117 Resp: 349018
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 32.4 25.8 38.6

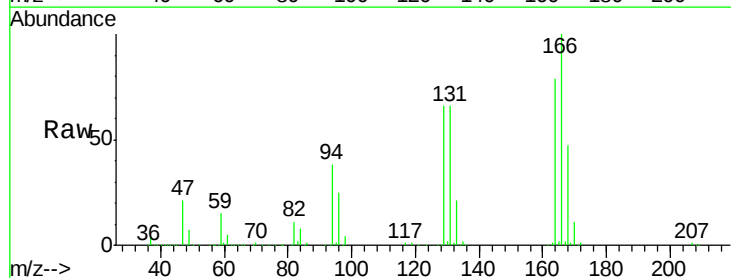


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

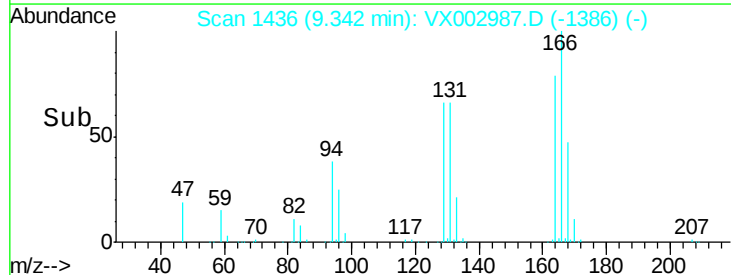
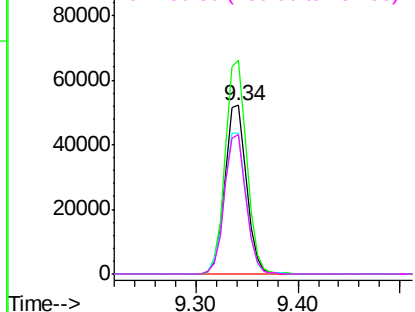


#64
Tetrachloroethene
Concen: 19.66 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion:164 Resp: 76298
Ion Ratio Lower Upper
164 100
166 126.7 102.9 154.3
129 83.2 68.6 102.8
131 83.1 66.8 100.2



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

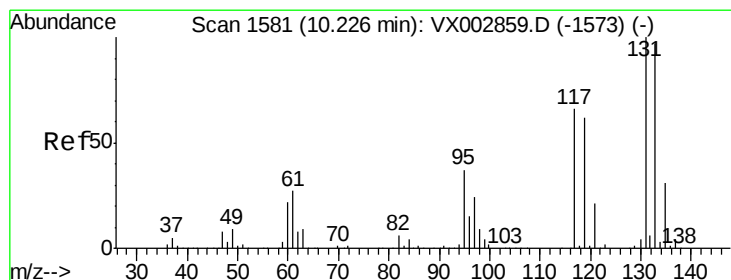
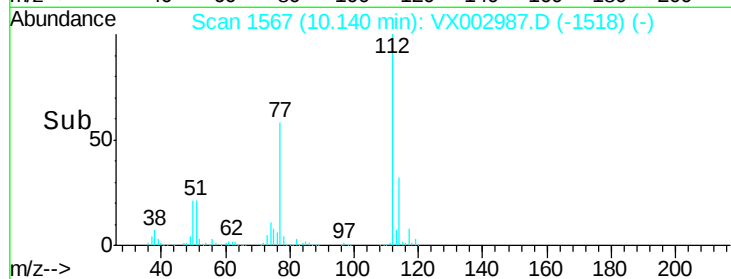
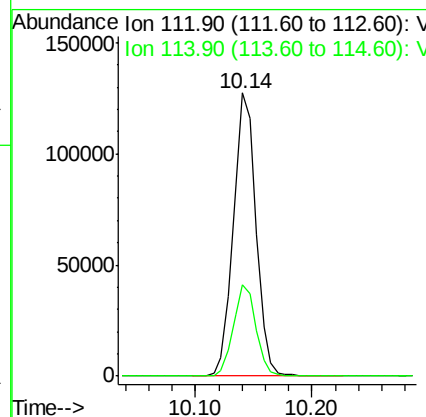
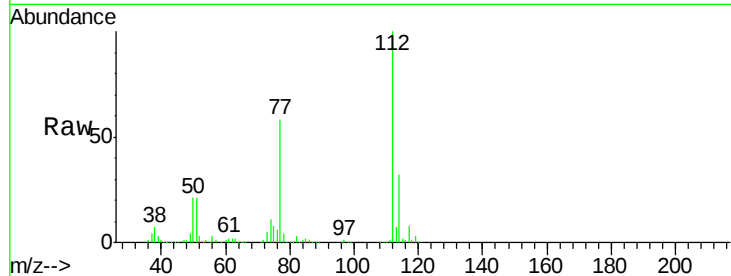




#65
Chlorobenzene
Concen: 19.46 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

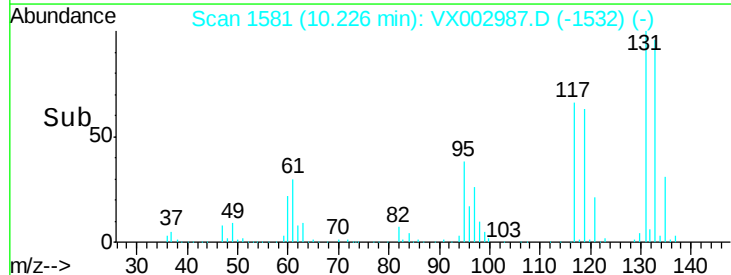
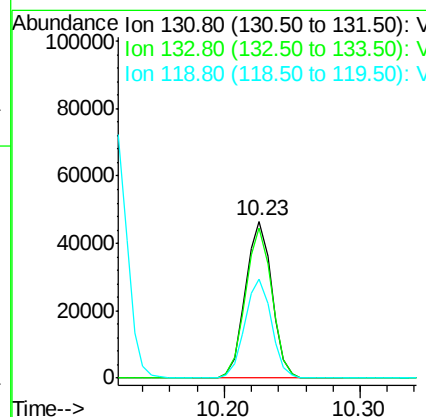
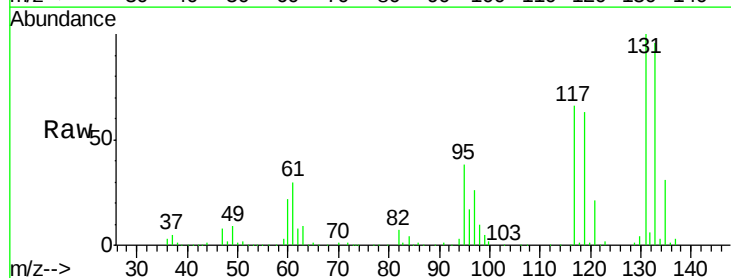
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

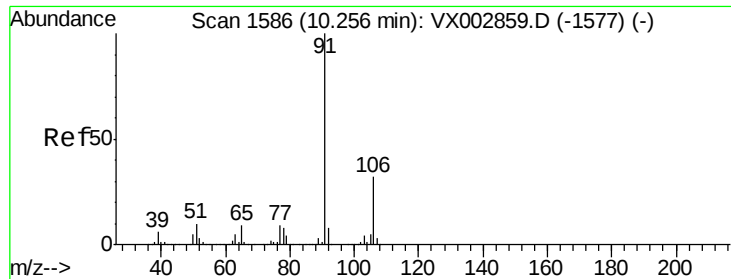
Tot Ion:112 Resp: 172532
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.68 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion:131 Resp: 63385
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.6
119 63.7 31.8 95.3





#67

Ethyl Benzene

Concen: 19.71 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

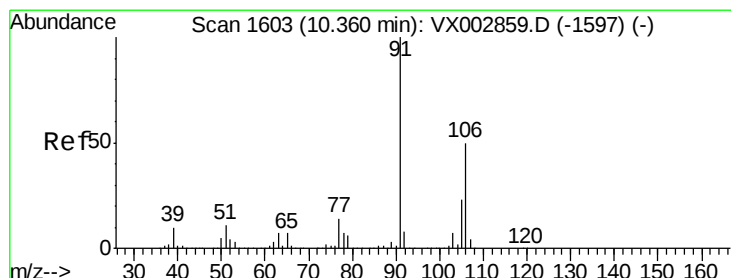
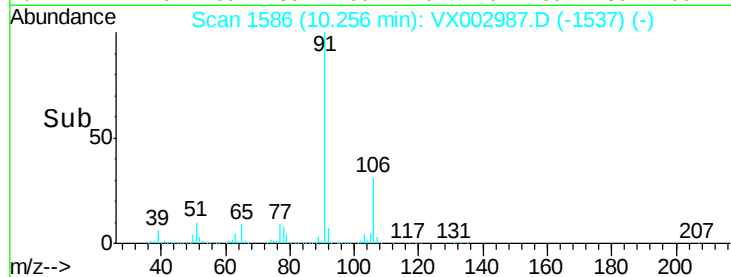
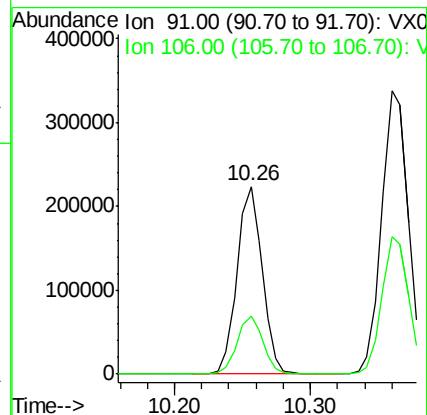
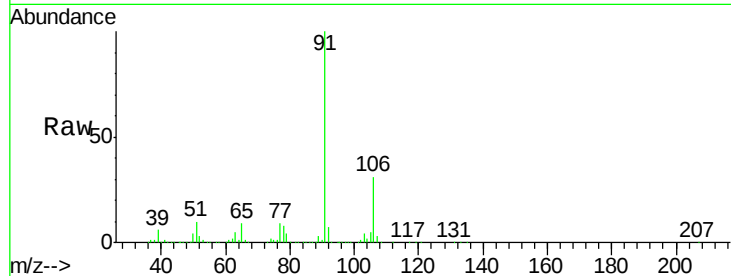
VX0628WBSD01

Tot Ion: 91 Resp: 288652

Ion Ratio Lower Upper

91 100

106 31.1 25.5 38.3



#68

m/p-Xylenes

Concen: 39.74 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX002987.D

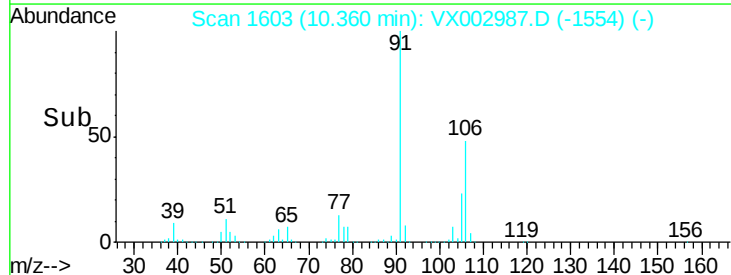
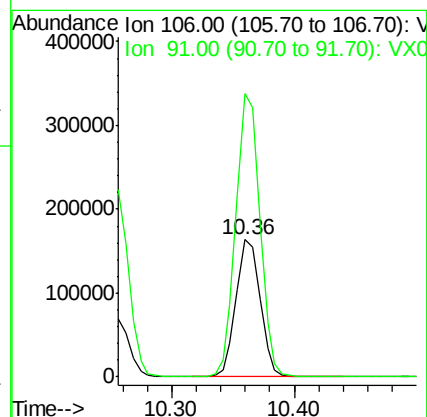
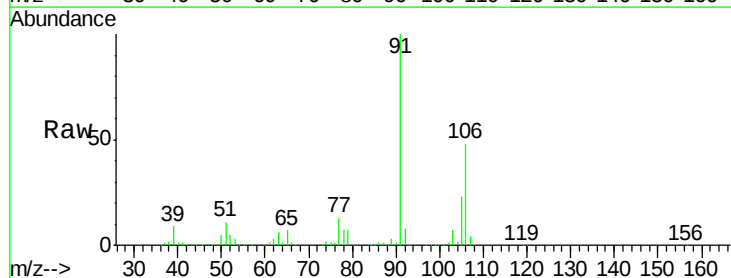
Acq: 28 Jun 2018 16:07

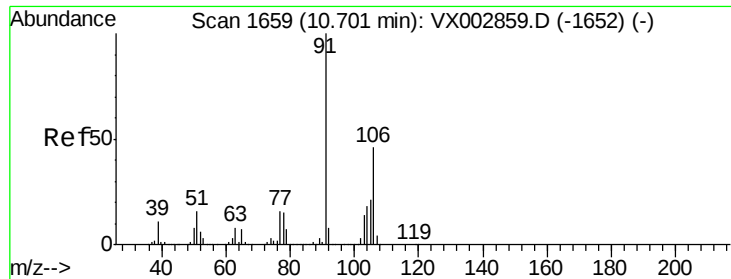
Tgt Ion: 106 Resp: 224316

Ion Ratio Lower Upper

106 100

91 204.7 163.4 245.2

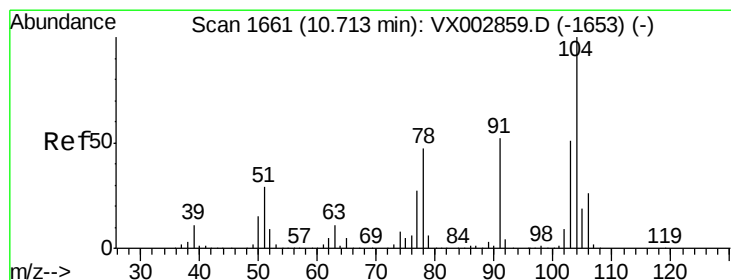
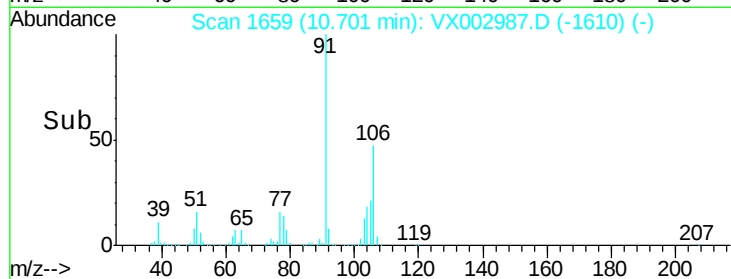
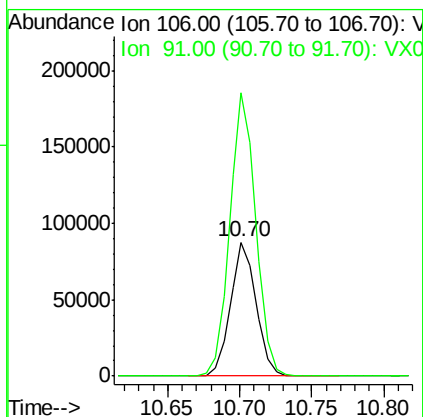
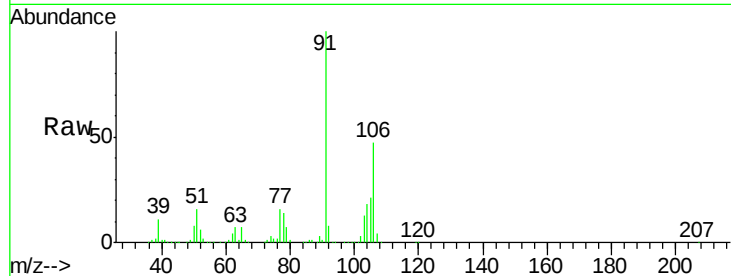




#69
o-Xylene
Concen: 19.94 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

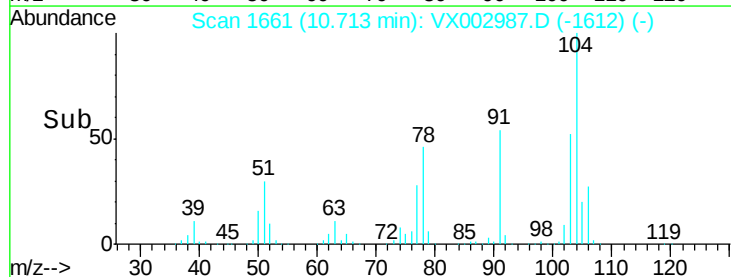
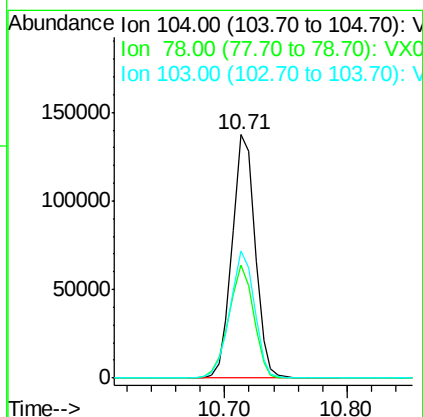
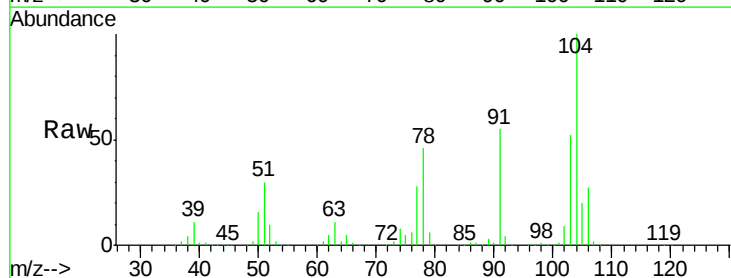
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

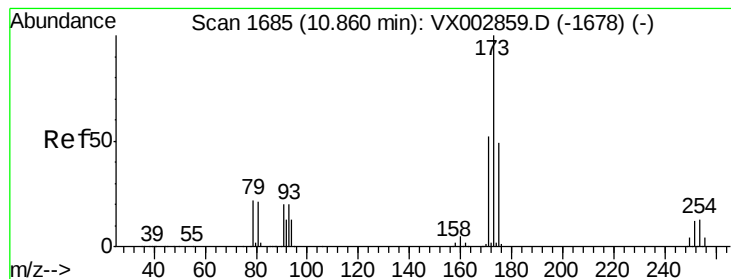
Tot Ion:106 Resp: 109580
Ion Ratio Lower Upper
106 100
91 214.3 108.2 324.6



#70
Styrene
Concen: 20.08 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion:104 Resp: 179270
Ion Ratio Lower Upper
104 100
78 50.4 41.0 61.6
103 55.8 44.2 66.4





#71

Bromoform

Concen: 19.61 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

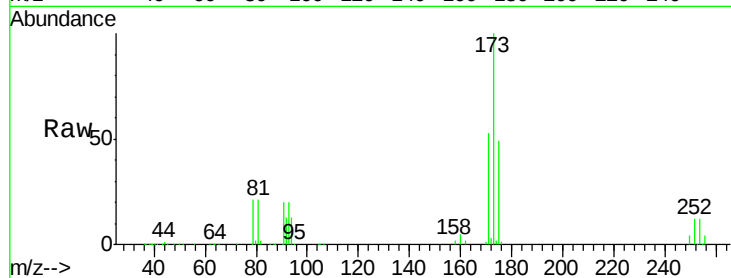
Tot Ion:173 Resp: 49555

Ion Ratio Lower Upper

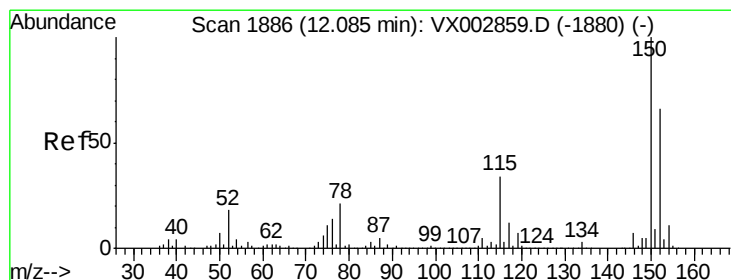
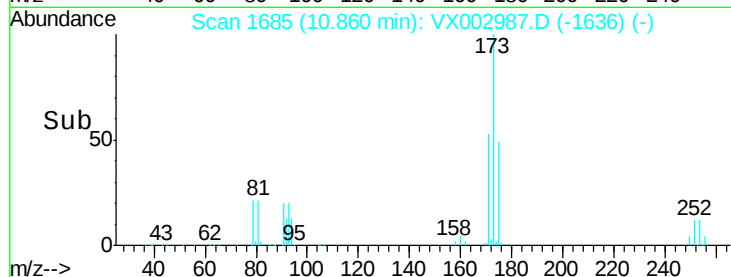
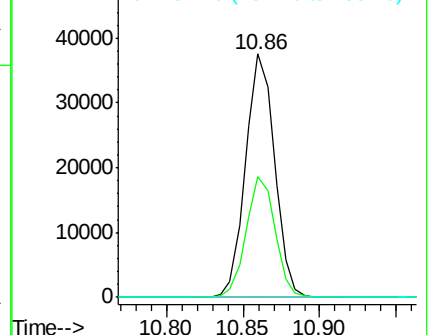
173 100

175 49.3 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: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

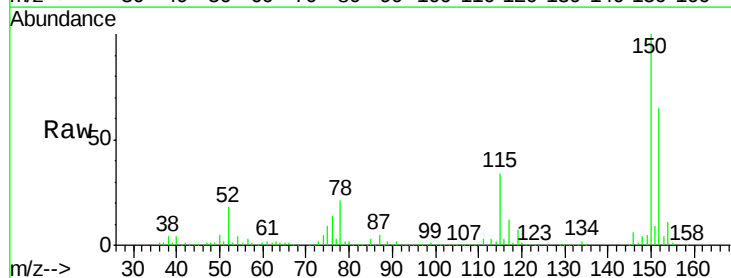
Tgt Ion:152 Resp: 216983

Ion Ratio Lower Upper

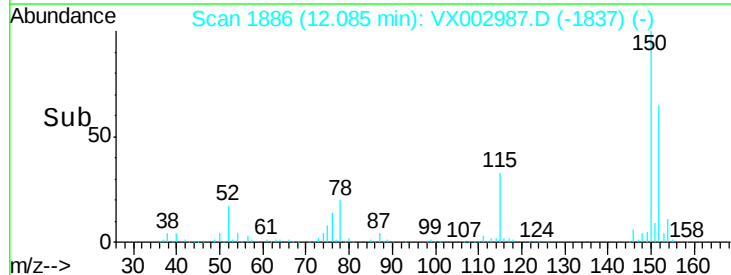
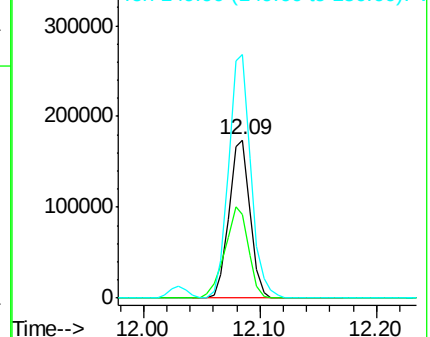
152 100

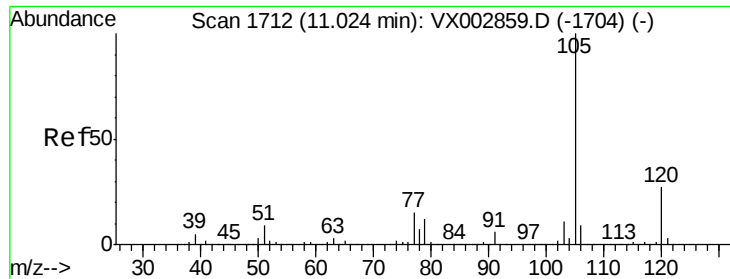
115 64.3 40.1 120.2

150 162.7 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: 20.56 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

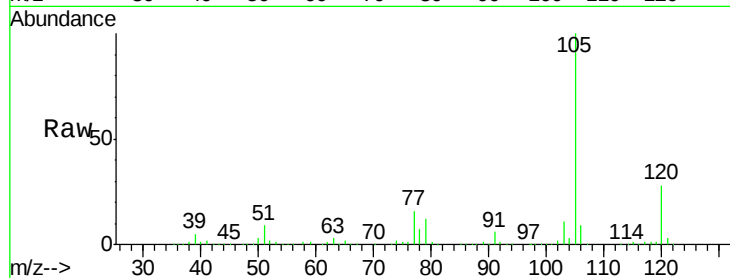
VX0628WBSD01

Tot Ion:105 Resp: 300087

Ion Ratio Lower Upper

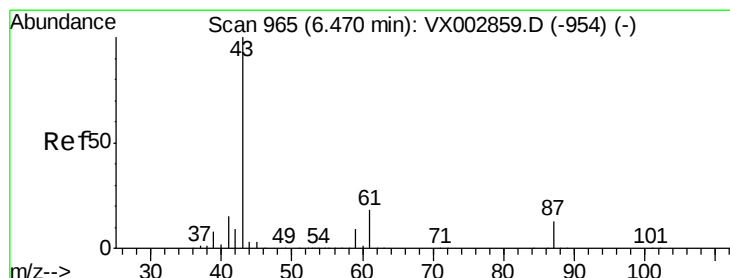
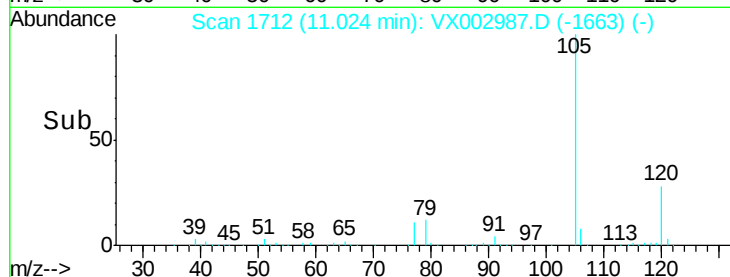
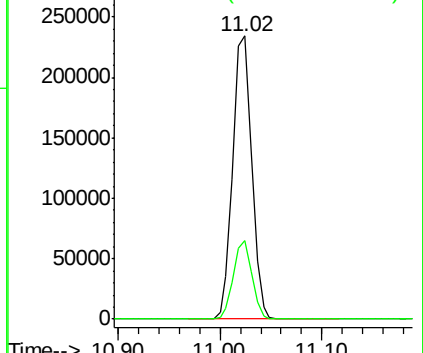
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.98 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Tgt Ion: 43 Resp: 142715

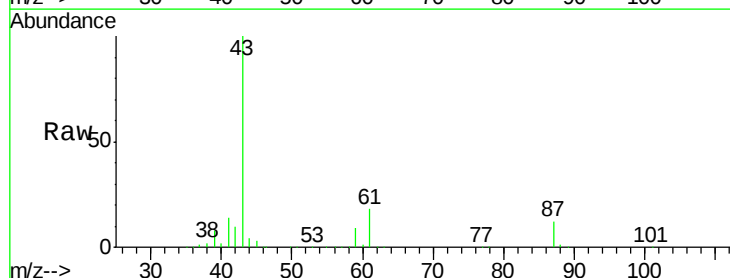
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

61 18.2 14.4 21.6

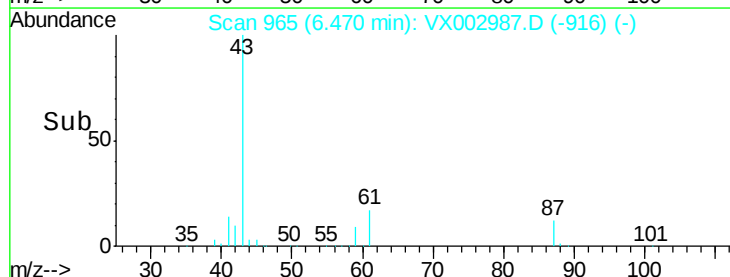
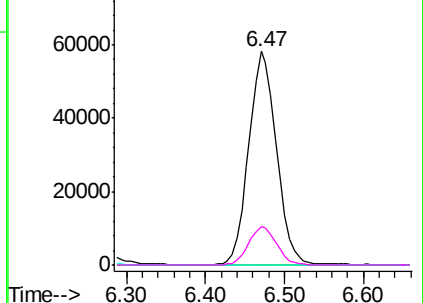


Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.75 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

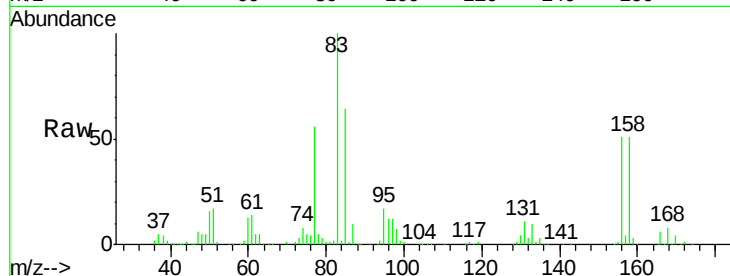
Tot Ion: 83 Resp: 93320

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

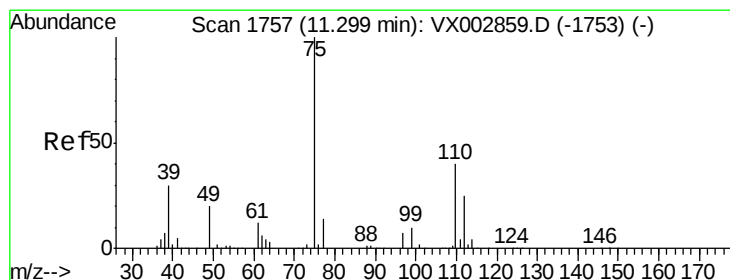
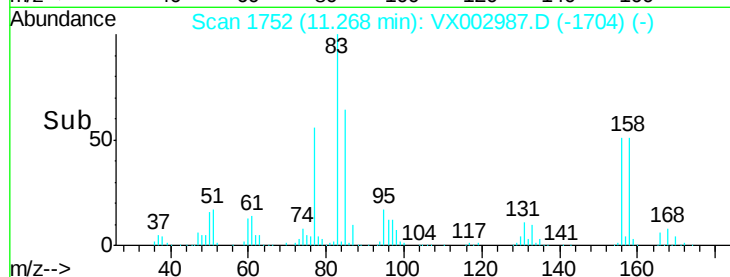
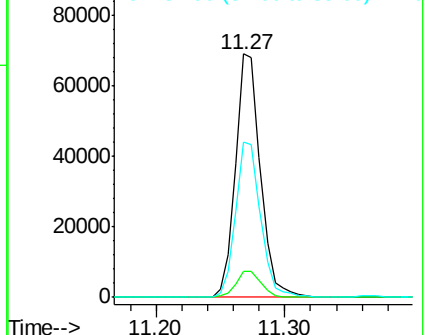
85 64.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.47 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002987.D

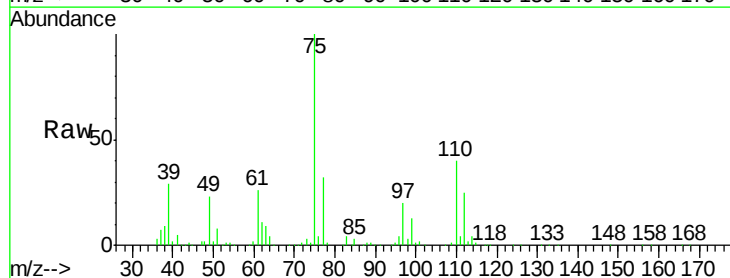
Acq: 28 Jun 2018 16:07

Tgt Ion: 75 Resp: 100107

Ion Ratio Lower Upper

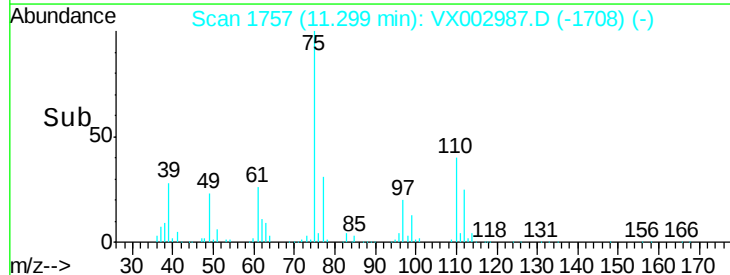
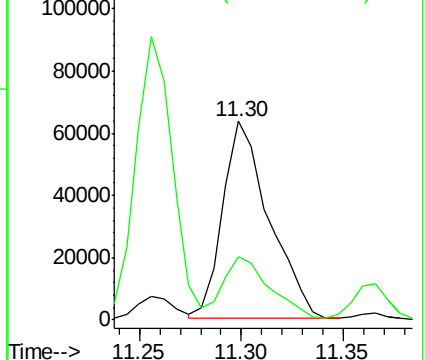
75 100

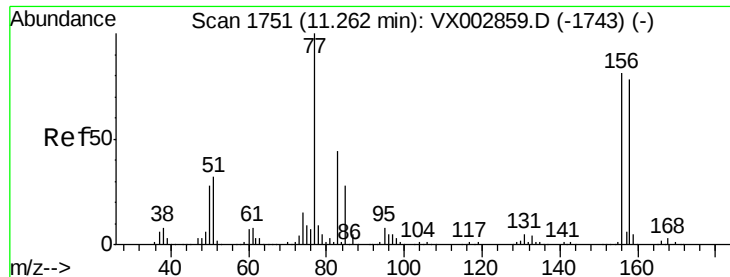
77 32.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.06 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

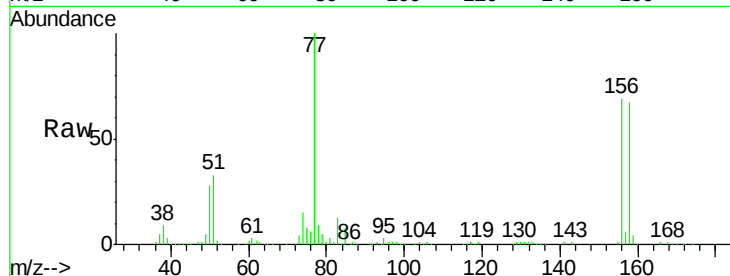
Tot Ion:156 Resp: 83405

Ion Ratio Lower Upper

156 100

77 137.2 71.4 214.2

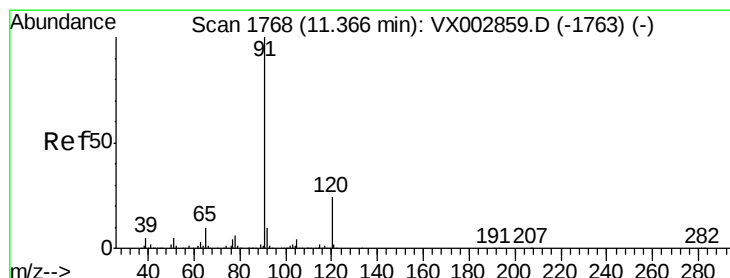
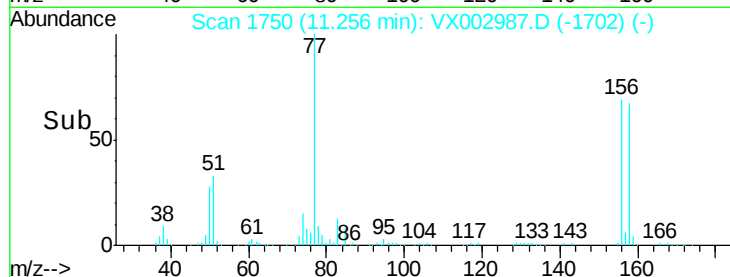
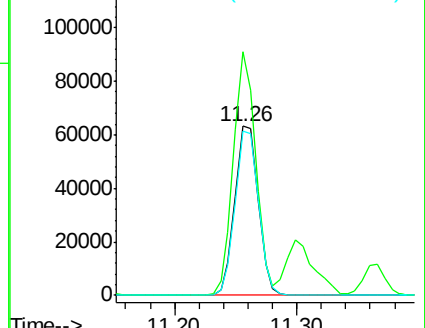
158 97.0 48.9 146.6



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



#78

n-propylbenzene

Concen: 20.48 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002987.D

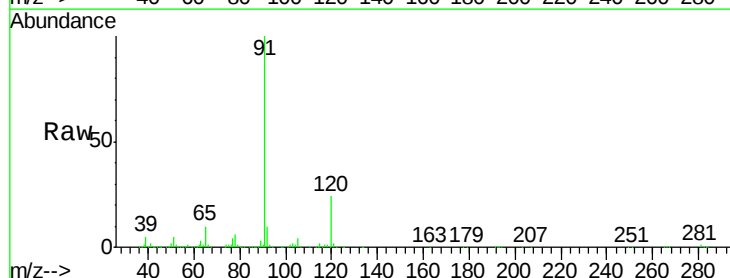
Acq: 28 Jun 2018 16:07

Tgt Ion: 91 Resp: 340286

Ion Ratio Lower Upper

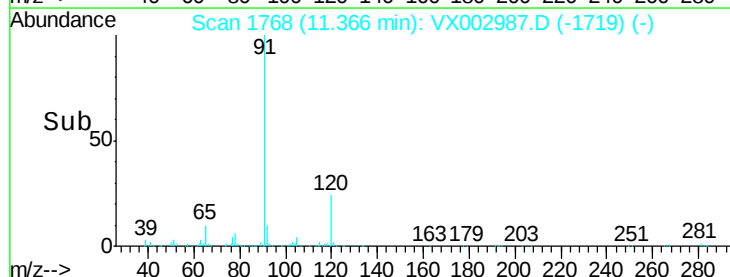
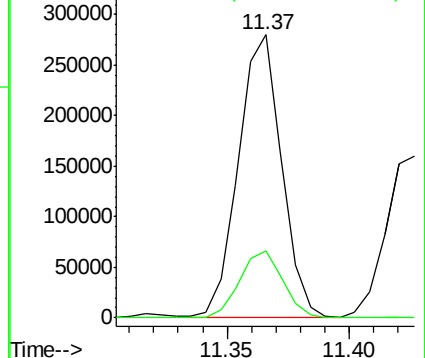
91 100

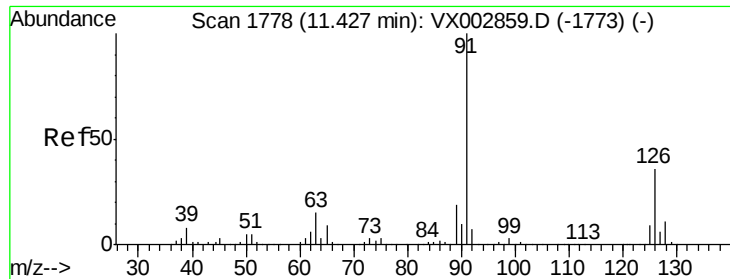
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.15 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

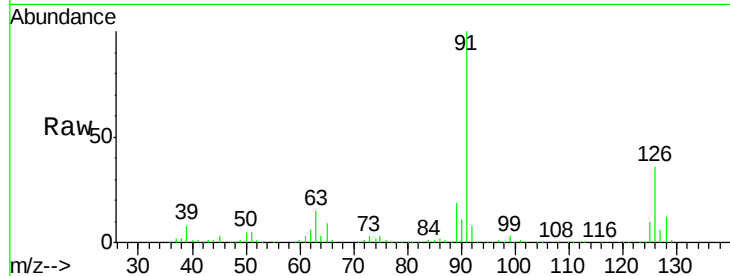
VX0628WBSD01

Tot Ion: 91 Resp: 202648

Ion Ratio Lower Upper

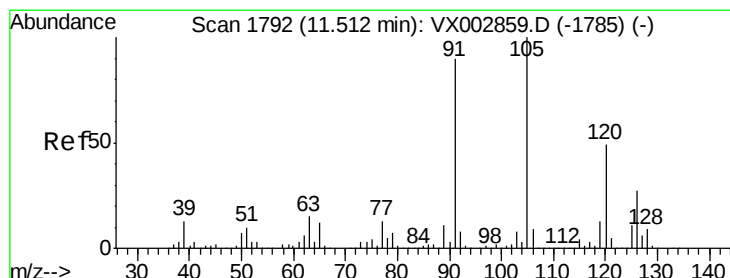
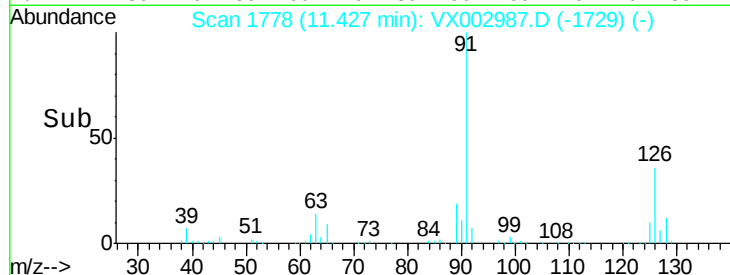
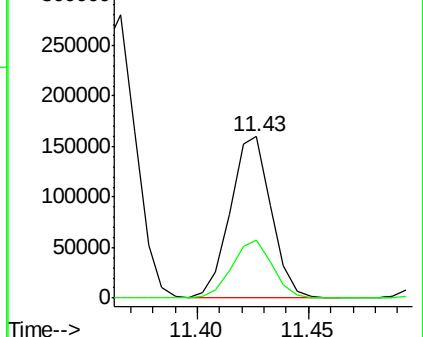
91 100

126 35.7 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.55 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002987.D

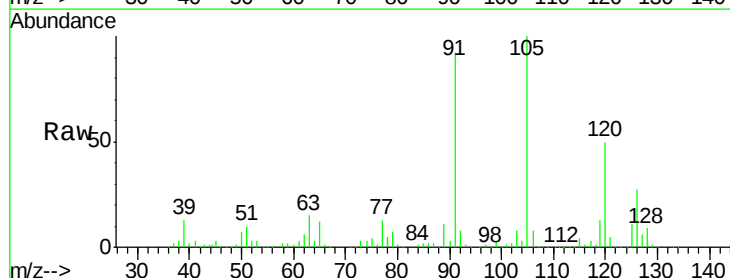
Acq: 28 Jun 2018 16:07

Tgt Ion:105 Resp: 252647

Ion Ratio Lower Upper

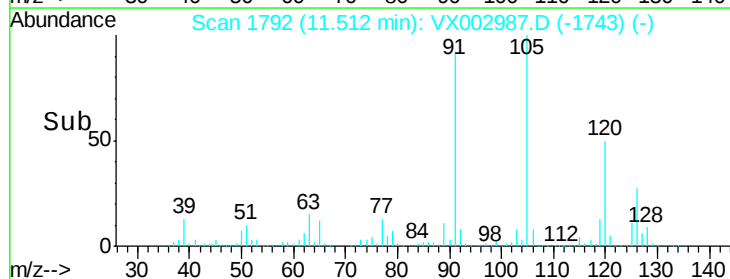
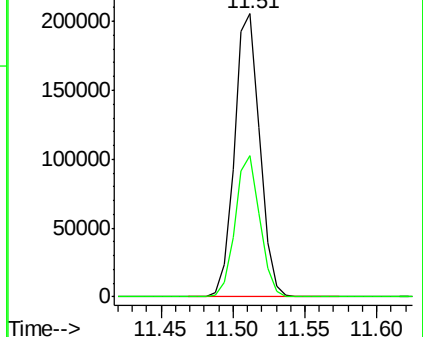
105 100

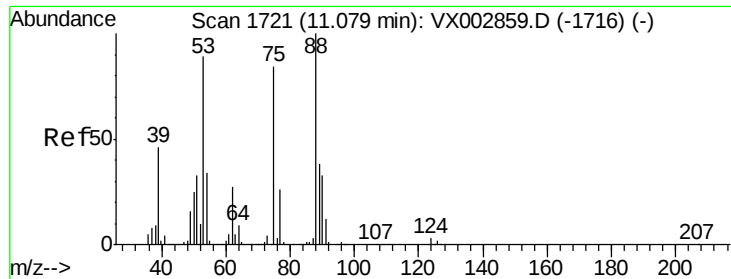
120 48.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.23 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

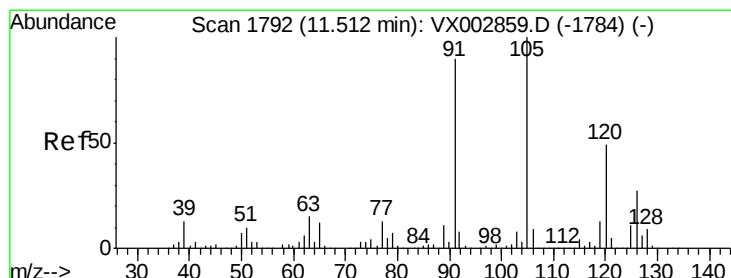
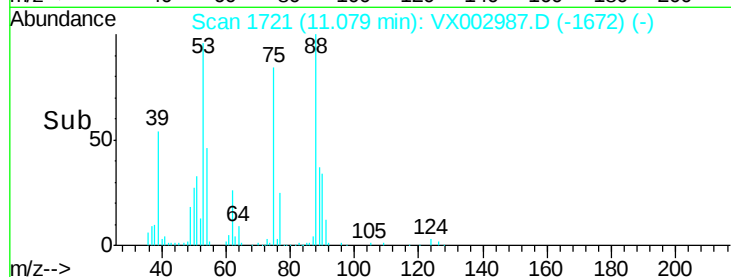
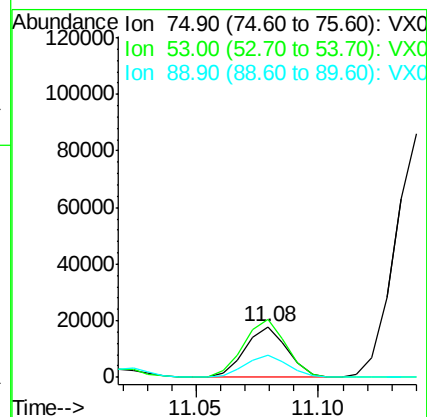
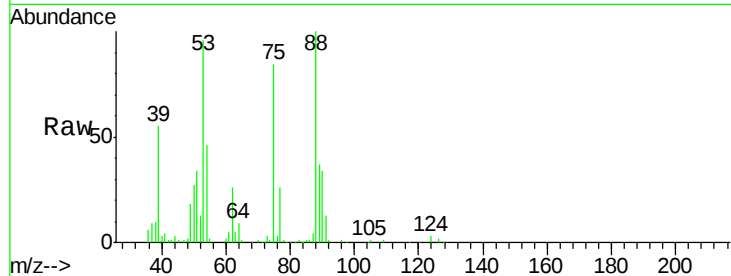
Tot Ion: 75 Resp: 21595

Ion Ratio Lower Upper

75 100

53 114.8 86.8 130.2

89 45.1 38.2 57.2



#82

4-Chlorotoluene

Concen: 19.91 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002987.D

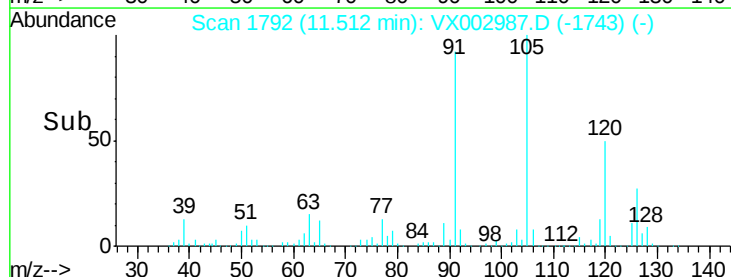
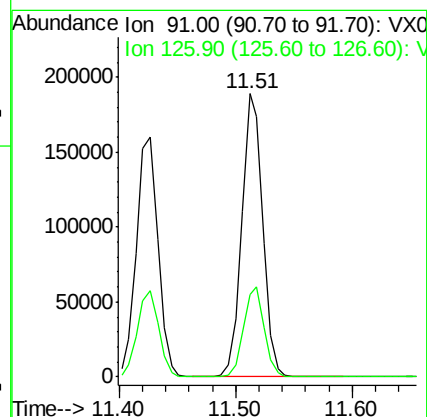
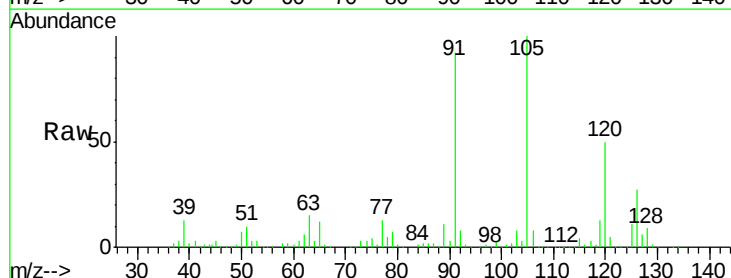
Acq: 28 Jun 2018 16:07

Tgt Ion: 91 Resp: 237131

Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.4

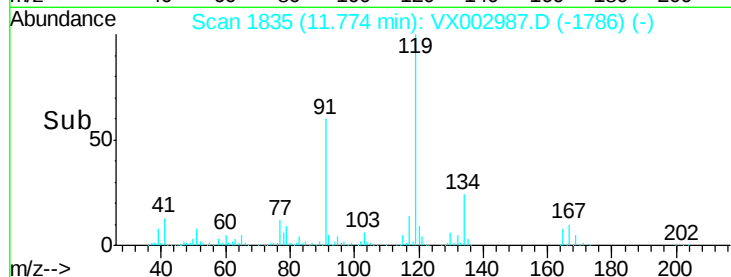
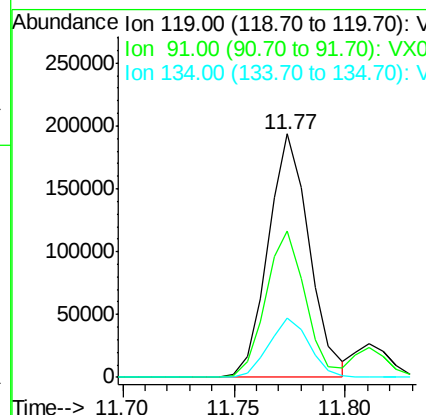
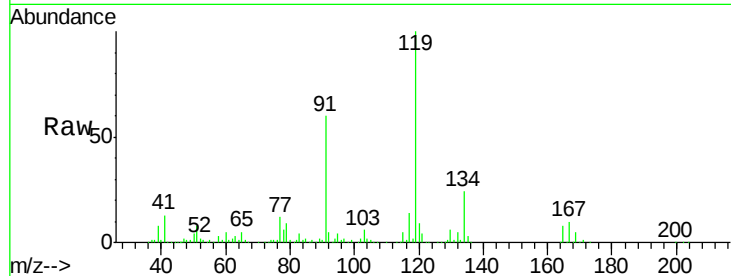




#83
tert-Butylbenzene
Concen: 20.47 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

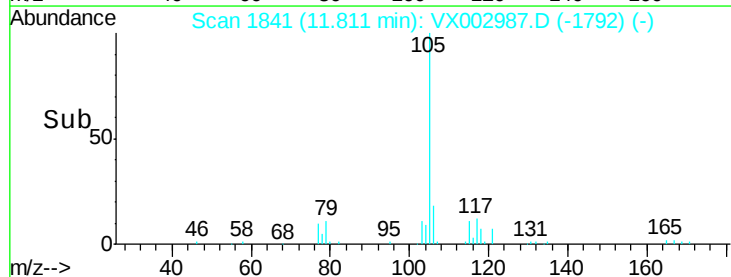
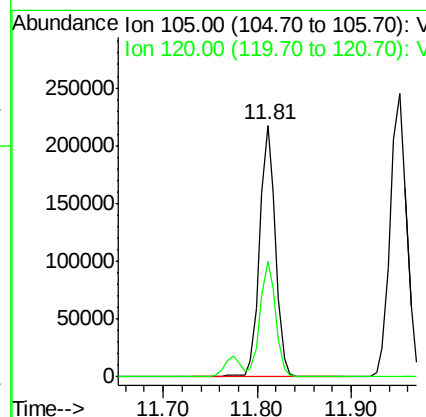
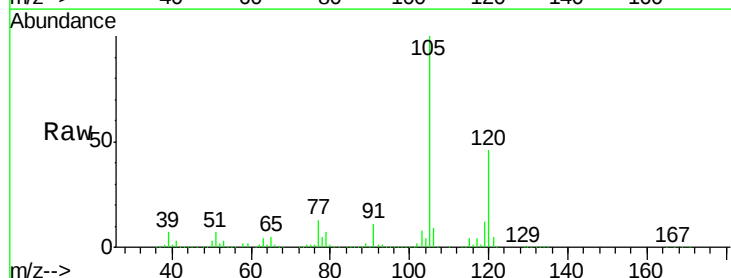
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

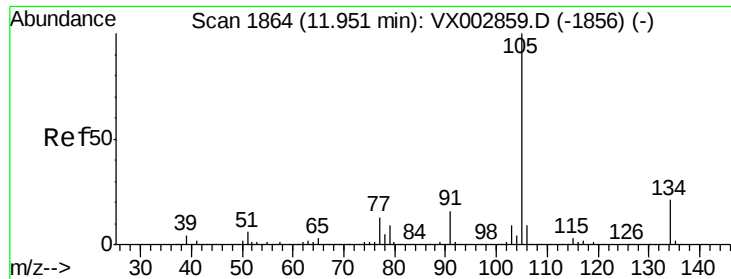
Tot Ion:119 Resp: 248002
Ion Ratio Lower Upper
119 100
91 58.3 30.3 90.9
134 24.0 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 20.23 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion:105 Resp: 257698
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.26 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleID :

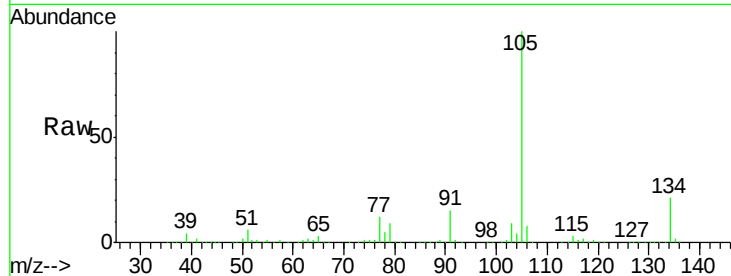
VX0628WBSD01

Tot Ion:105 Resp: 297819

Ion Ratio Lower Upper

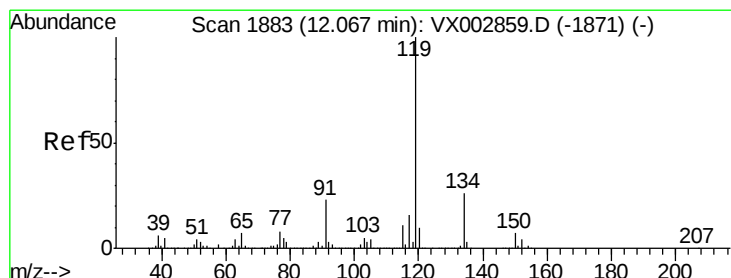
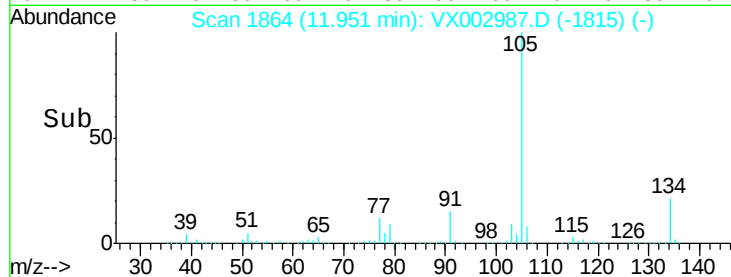
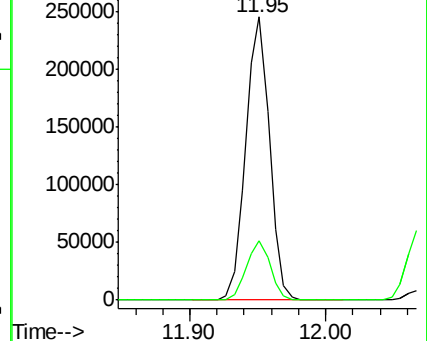
105 100

134 21.3 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: 20.15 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

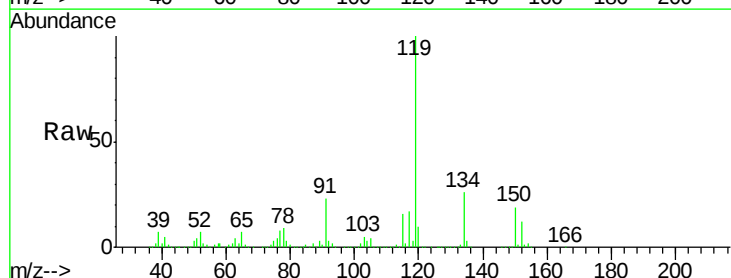
Tgt Ion:119 Resp: 266223

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

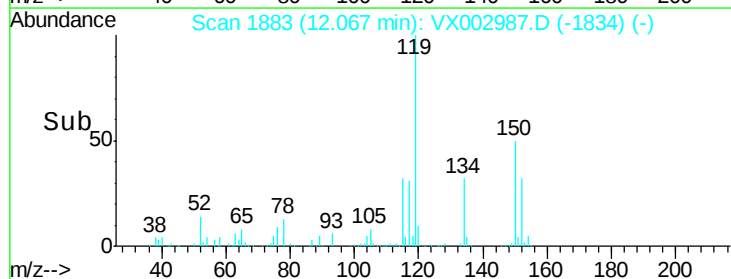
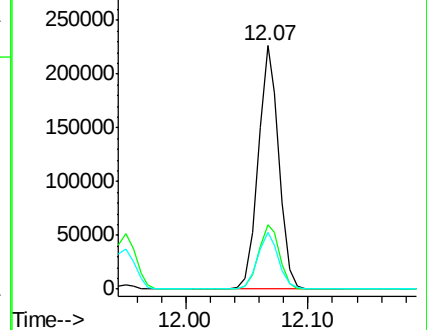
91 23.6 11.9 35.7



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: 19.89 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

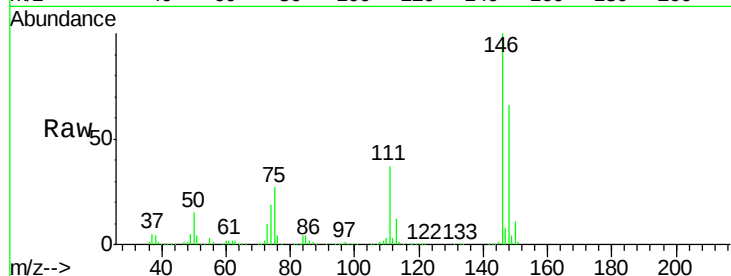
Tot Ion:146 Resp: 151016

Ion Ratio Lower Upper

146 100

111 36.7 18.9 56.7

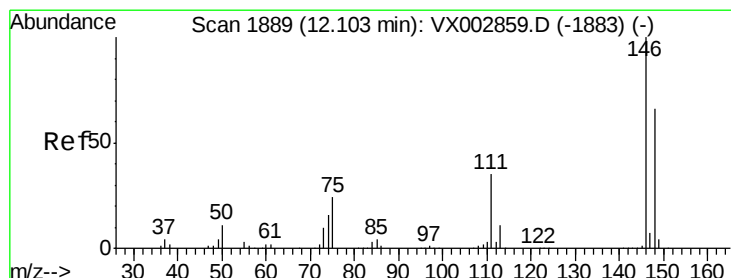
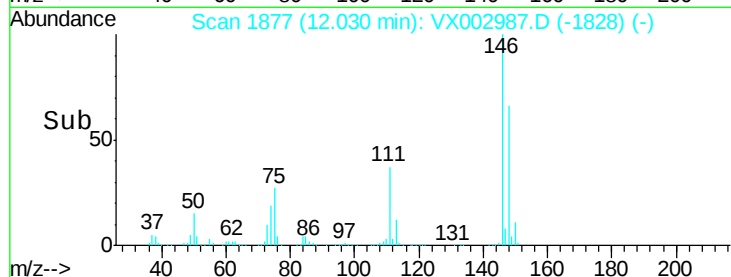
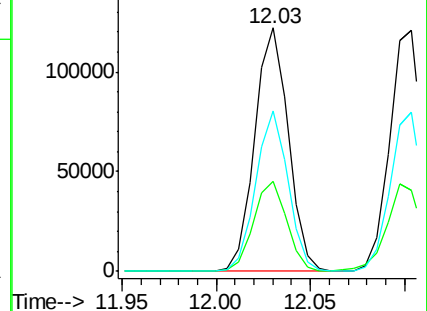
148 63.2 32.1 96.3



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: 19.53 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

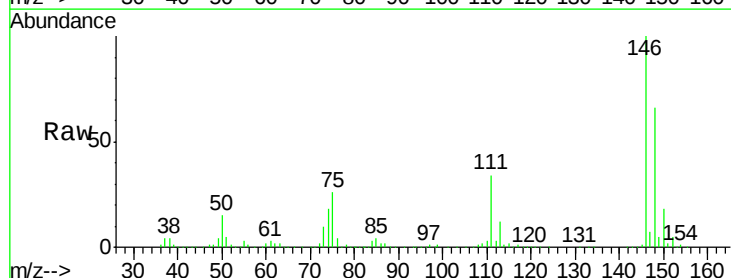
Tgt Ion:146 Resp: 152550

Ion Ratio Lower Upper

146 100

111 37.3 18.7 56.1

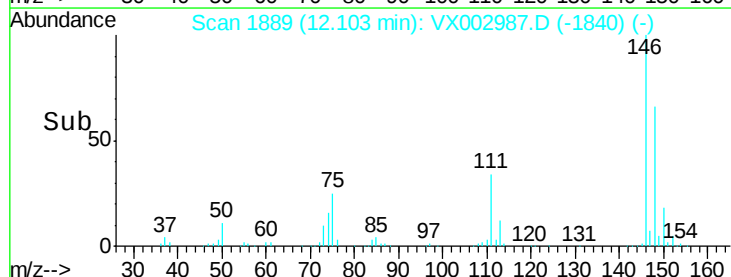
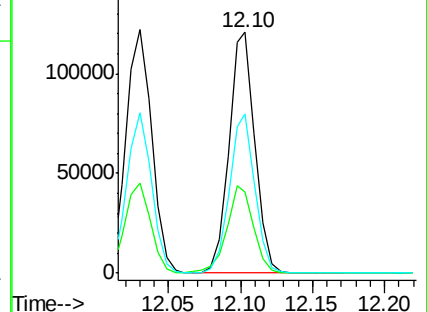
148 65.1 32.4 97.0



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

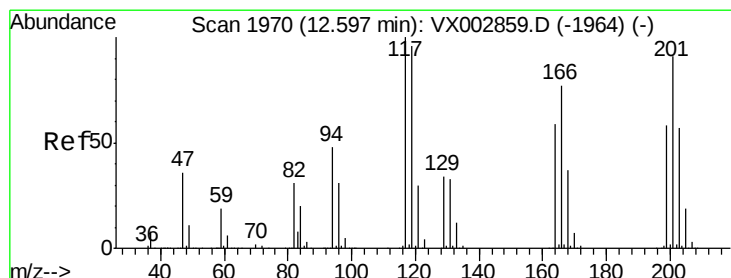
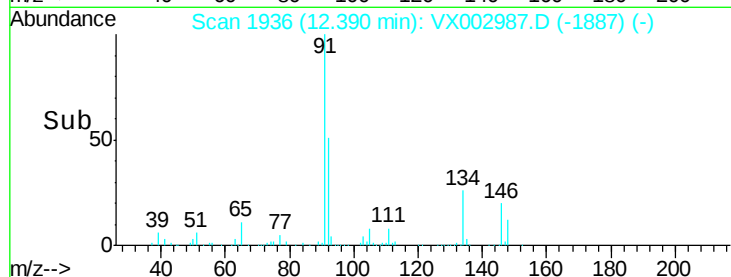
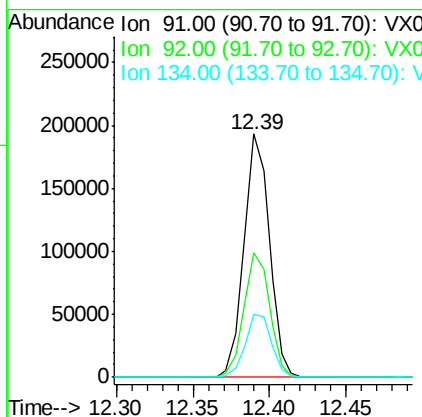
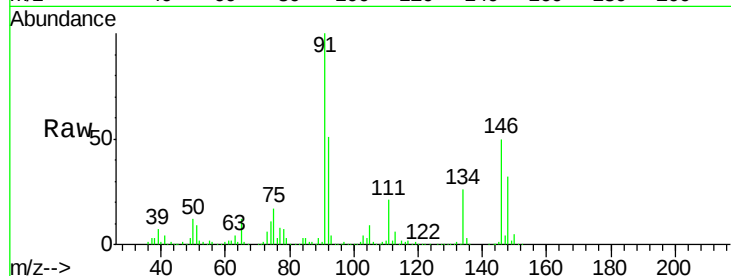




#89
n-Butylbenzene
Concen: 19.49 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

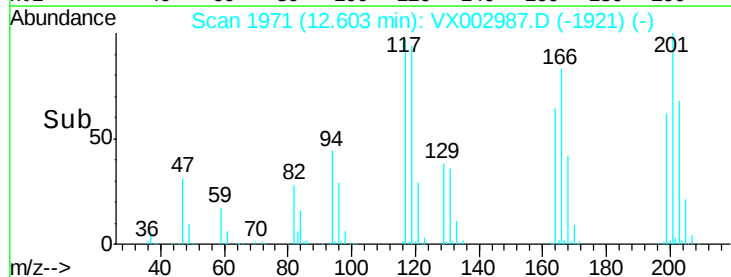
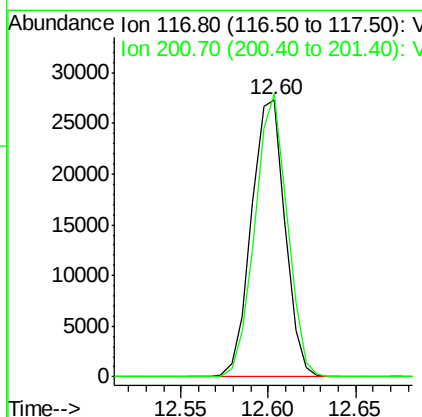
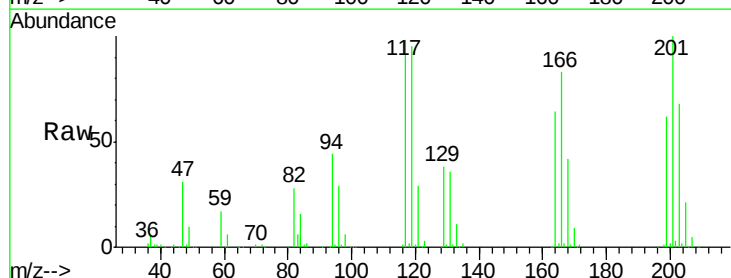
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBSD01

Tot Ion: 91 Resp: 224176
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 26.9 13.5 40.5



#90
Hexachloroethane
Concen: 18.64 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX002987.D
Acq: 28 Jun 2018 16:07

Tgt Ion: 117 Resp: 36634
Ion Ratio Lower Upper
117 100
201 97.8 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 19.61 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

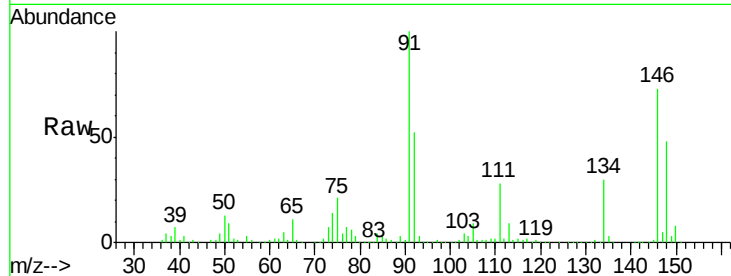
Tot Ion:146 Resp: 150294

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.1

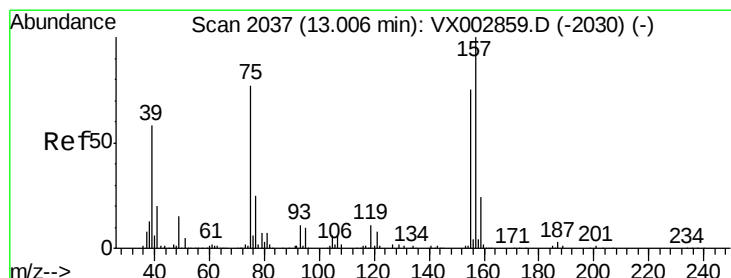
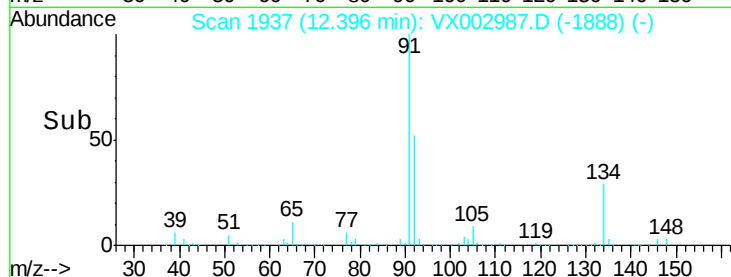
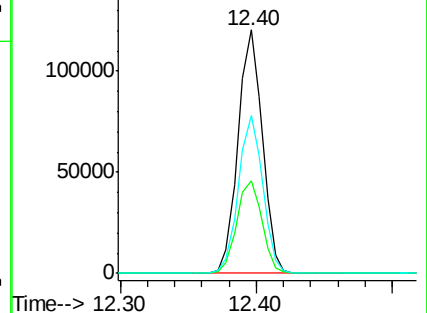
148 64.7 31.7 95.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.50 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

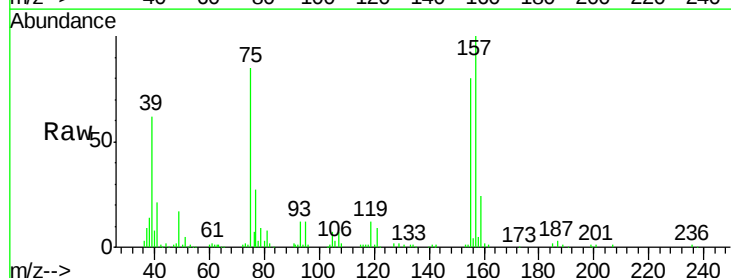
Tgt Ion: 75 Resp: 19709

Ion Ratio Lower Upper

75 100

155 92.5 45.8 137.4

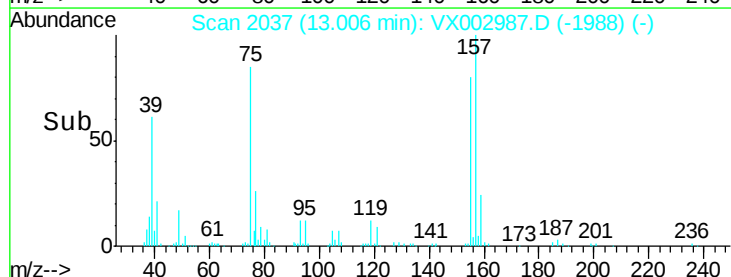
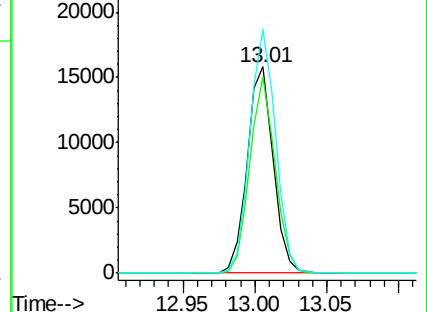
157 116.7 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

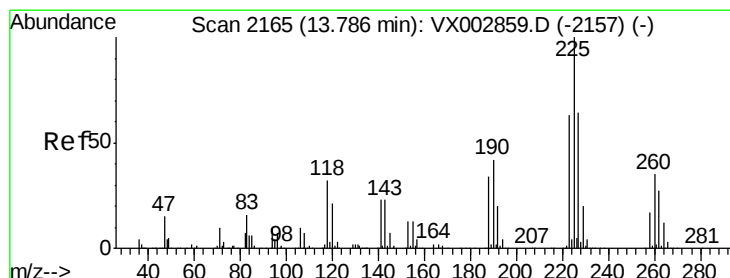
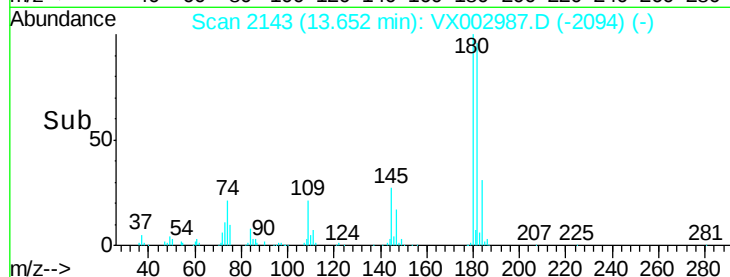
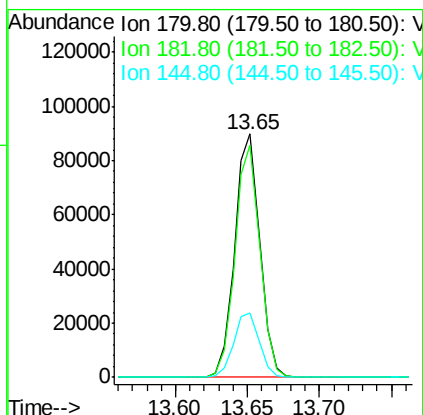
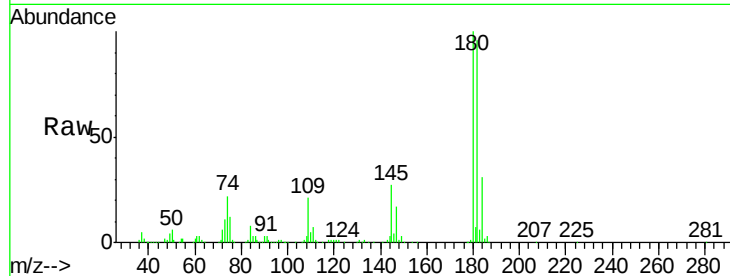




#93
 1,2,4-Trichlorobenzene
 Concen: 19.59 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

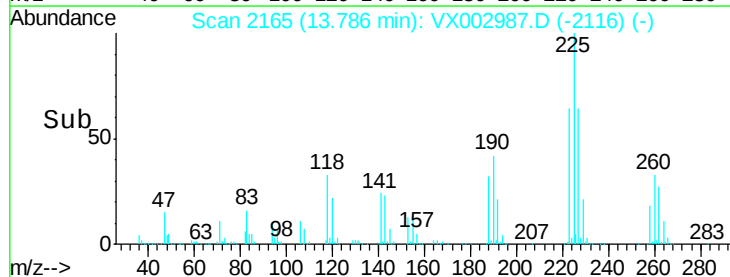
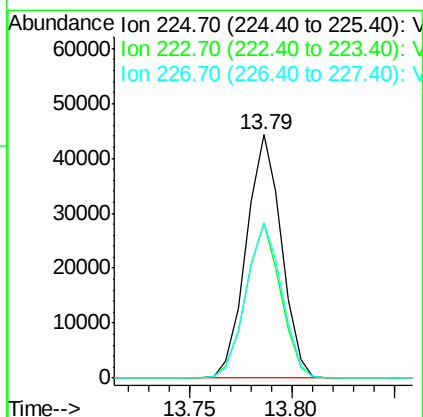
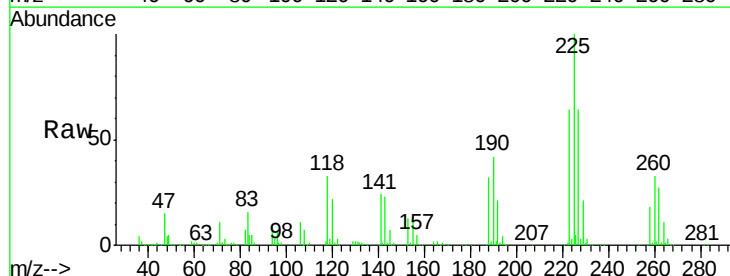
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

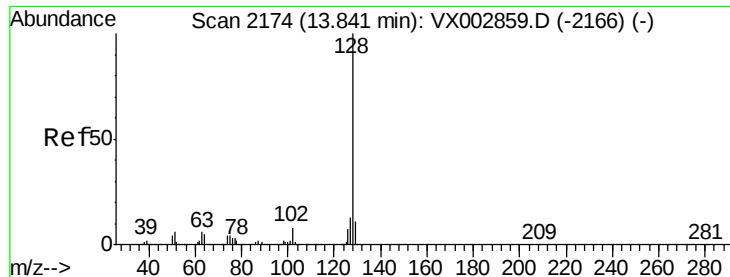
Tot Ion:180 Resp: 109244
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.7 143.1
 145 27.3 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 19.06 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002987.D
 Acq: 28 Jun 2018 16:07

Tgt Ion:225 Resp: 53025
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.6 95.0
 227 64.8 32.4 97.2





#95

Naphthalene

Concen: 20.33 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBSD01

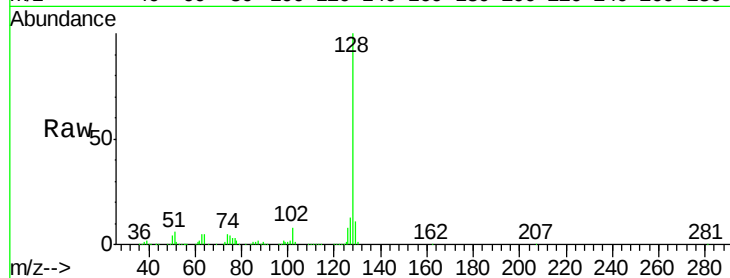
Tot Ion:128 Resp: 302010

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

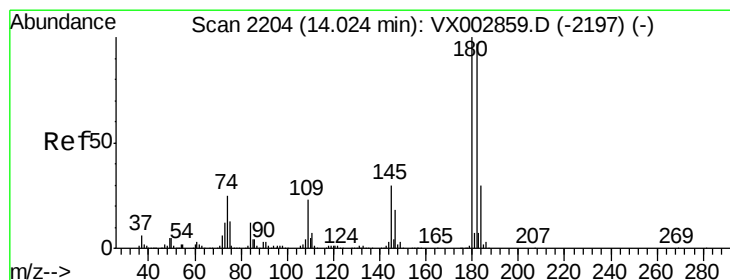
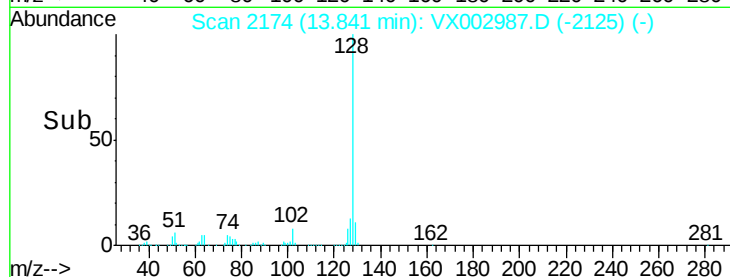
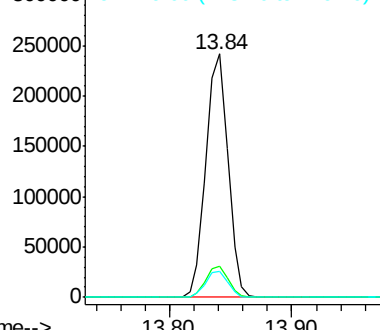
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.16 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002987.D

Acq: 28 Jun 2018 16:07

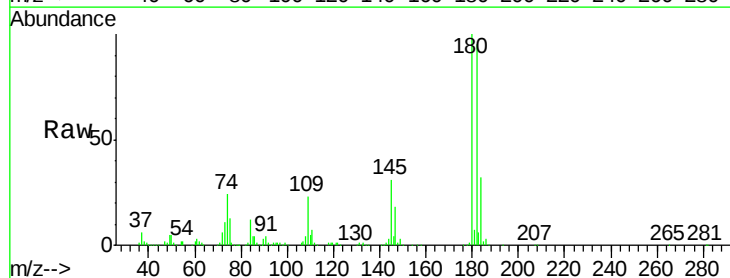
Tgt Ion:180 Resp: 112281

Ion Ratio Lower Upper

180 100

182 96.4 48.0 144.0

145 29.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

