

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003553.D
 Acq On : 21 Jul 2018 14:28
 Operator : JC/SP
 Sample : VX0721WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD01

Quant Time: Jul 23 01:37:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	255553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	352566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206266	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175468	58.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.02%	
35) Dibromofluoromethane	5.51	113	150119	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
50) Toluene-d8	8.72	98	550329	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.14	95	198479	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41324	19.94	ug/l	100
3) Chloromethane	1.32	50	57025	22.02	ug/l	98
4) Vinyl Chloride	1.40	62	60202	18.54	ug/l	99
5) Bromomethane	1.64	94	34929	25.85	ug/l	100
6) Chloroethane	1.73	64	41071	21.38	ug/l	98
7) Trichlorofluoromethane	1.93	101	84758	19.57	ug/l	98
8) Diethyl Ether	2.19	74	39822	21.41	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54825	19.34	ug/l	98
10) Methyl Iodide	2.51	142	74080	21.75	ug/l	92
11) Tert butyl alcohol	3.07	59	72808	121.63	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50975	19.53	ug/l	90
13) Acrolein	2.29	56	25427	94.01	ug/l	99
14) Allyl chloride	2.73	41	96382	20.86	ug/l	87
15) Acrylonitrile	3.15	53	177712	116.61	ug/l	98
16) Acetone	2.45	43	135025	118.17	ug/l	90
17) Carbon Disulfide	2.57	76	132118	18.72	ug/l	98
18) Methyl Acetate	2.78	43	88766	24.64	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	197606	23.18	ug/l	99
20) Methylene Chloride	2.86	84	65775	23.08	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	58204	20.04	ug/l	93
22) Diisopropyl ether	3.87	45	197986	22.77	ug/l	97
23) Vinyl Acetate	3.82	43	818654	114.31	ug/l	95
24) 1,1-Dichloroethane	3.70	63	107195	21.01	ug/l	99
25) 2-Butanone	4.71	43	238606	124.46	ug/l	91
26) 2,2-Dichloropropane	4.59	77	79123	20.42	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	69393	21.46	ug/l	84
28) Bromochloromethane	5.03	49	51073	22.91	ug/l	93
29) Tetrahydrofuran	5.17	42	154170	121.73	ug/l	93
30) Chloroform	5.21	83	114702	23.03	ug/l	100
31) Cyclohexane	5.57	56	90756	19.91	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	90980	21.33	ug/l	97
36) 1,1-Dichloropropene	5.80	75	77816	19.27	ug/l	98
37) Ethyl Acetate	4.87	43	90125	23.59	ug/l	95
38) Carbon Tetrachloride	5.78	117	77271	19.51	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	89124	18.64	ug/l	96
40) Benzene	6.15	78	252762	20.74	ug/l	99
41) Methacrylonitrile	5.07	41	52152	23.23	ug/l	94
42) 1,2-Dichloroethane	6.20	62	88619	23.07	ug/l	96
43) Isopropyl Acetate	6.47	43	141250	23.24	ug/l	94
44) Trichloroethene	7.21	130	73870	20.32	ug/l	97
45) 1,2-Dichloropropane	7.52	63	67817	21.91	ug/l	100
46) Dibromomethane	7.67	93	44998	22.58	ug/l	97
47) Bromodichloromethane	7.90	83	82165	22.52	ug/l #	87
48) Methyl methacrylate	7.78	41	71360	23.29	ug/l	87
49) 1,4-Dioxane	7.76	88	31990	460.70	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	470237	122.48	ug/l	93
52) Toluene	8.79	92	157302	20.50	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	96568	21.51	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	87824	21.75	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	68693	22.50	ug/l	98
56) Ethyl methacrylate	9.18	69	94033	21.87	ug/l #	85
57) 1,3-Dichloropropane	9.37	76	111572	22.61	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	237263	113.47	ug/l	99
59) 2-Hexanone	9.50	43	349124	122.73	ug/l	91
60) Dibromochloromethane	9.59	129	63988	21.17	ug/l	100
61) 1,2-Dibromoethane	9.68	107	70202	22.18	ug/l	99
64) Tetrachloroethene	9.34	164	83141	19.36	ug/l	97
65) Chlorobenzene	10.14	112	179623	19.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	63561	20.34	ug/l	99
67) Ethyl Benzene	10.26	91	287619	19.69	ug/l	99
68) m/p-Xylenes	10.36	106	227114	39.66	ug/l	97
69) o-Xylene	10.70	106	109594	19.79	ug/l	99
70) Styrene	10.71	104	185758	20.40	ug/l	97
71) Bromoform	10.86	173	48227	19.86	ug/l #	99
73) Isopropylbenzene	11.02	105	291489	20.43	ug/l	100
74) N-amyl acetate	6.47	43	141250	23.32	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	95515	22.85	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	107676	29.06	ug/l	81
77) Bromobenzene	11.26	156	82519	20.11	ug/l	98
78) n-propylbenzene	11.36	91	325914	20.55	ug/l	99
79) 2-Chlorotoluene	11.42	91	199080	20.68	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	243798	20.80	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	24227	20.06	ug/l	97
82) 4-Chlorotoluene	11.51	91	231755	20.55	ug/l	99
83) tert-Butylbenzene	11.77	119	229413	19.98	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	249018	20.87	ug/l	98
85) sec-Butylbenzene	11.95	105	281464	20.18	ug/l	100
86) p-Isopropyltoluene	12.07	119	255367	20.40	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	146878	19.47	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	150345	19.35	ug/l	99
89) n-Butylbenzene	12.39	91	209675	19.73	ug/l	100
90) Hexachloroethane	12.60	117	33920	19.07	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	148892	20.03	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18351	22.56	ug/l	95

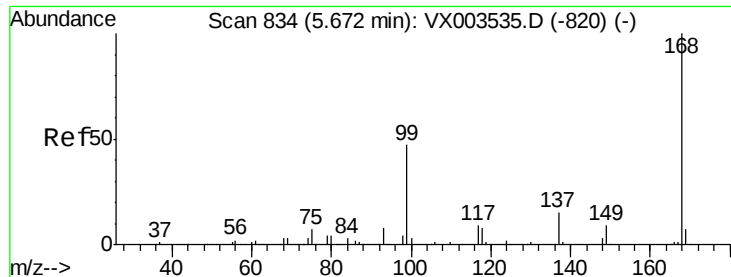
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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	102079	18.74	ug/l	99
94) Hexachlorobutadiene	13.79	225	48391	18.47	ug/l	98
95) Naphthalene	13.83	128	307358	21.47	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	106194	19.69	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

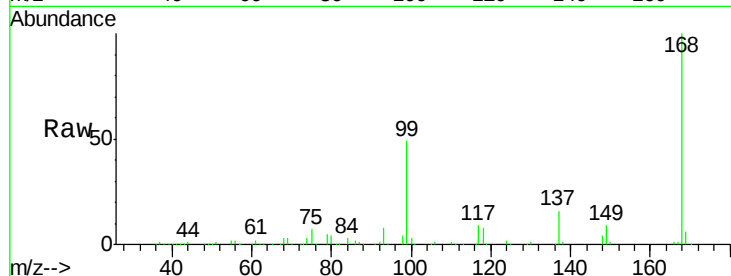
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

Tot Ion:168 Resp: 255553

Ion Ratio Lower Upper

168 100

99 49.2 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

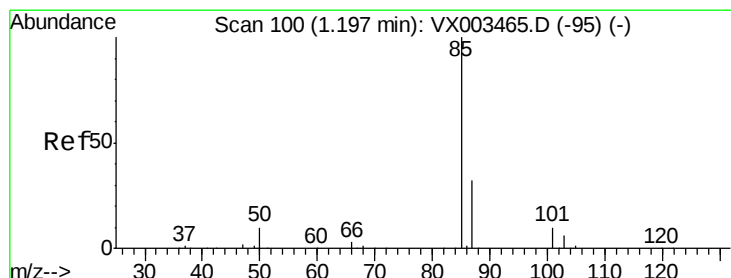
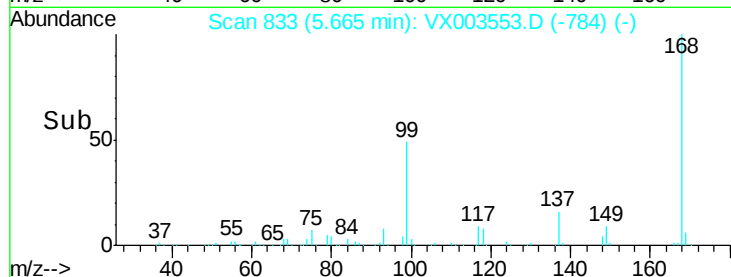
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.94 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003553.D

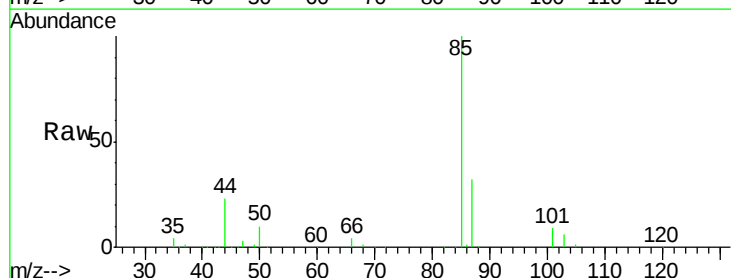
Acq: 21 Jul 2018 14:28

Tgt Ion: 85 Resp: 41324

Ion Ratio Lower Upper

85 100

87 32.0 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

50000

40000

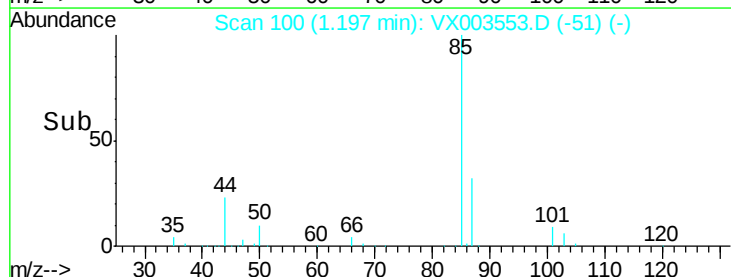
30000

20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 22.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

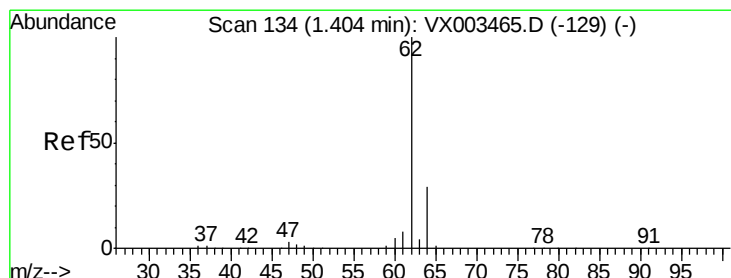
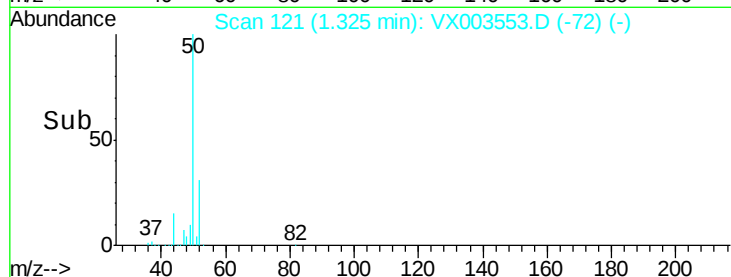
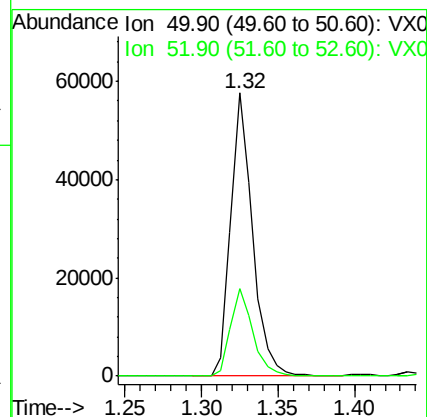
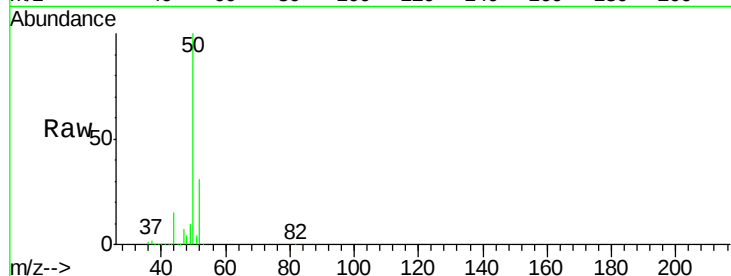
VX0721WBSD01

Tot Ion: 50 Resp: 57025

Ion Ratio Lower Upper

50 100

52 31.1 25.7 38.5



#4

Vinyl Chloride

Concen: 18.54 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003553.D

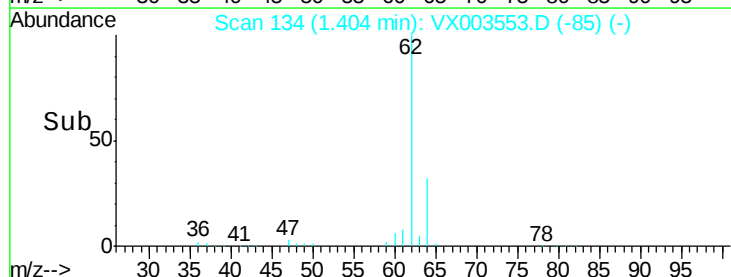
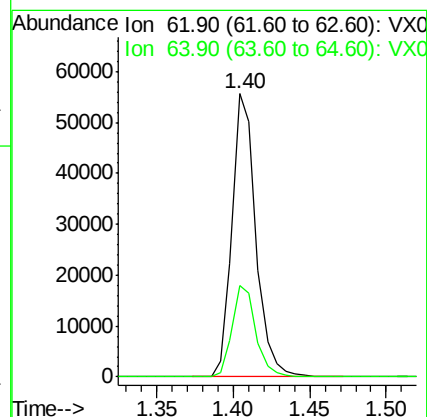
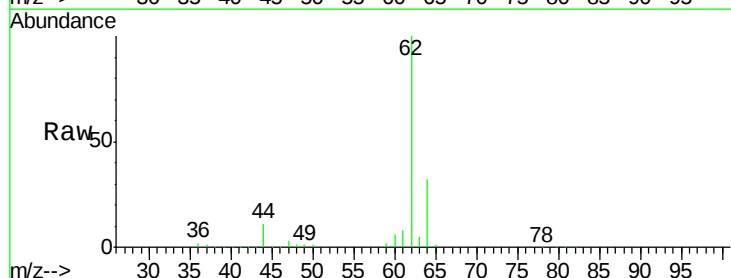
Acq: 21 Jul 2018 14:28

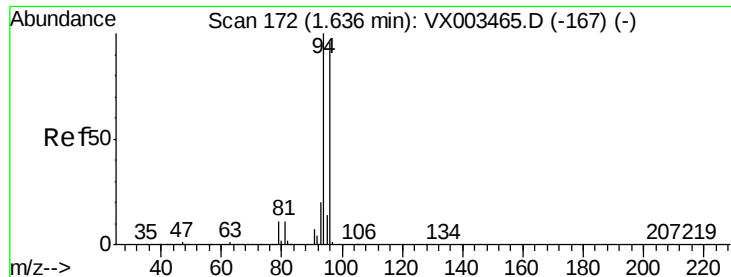
Tgt Ion: 62 Resp: 60202

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 25.85 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

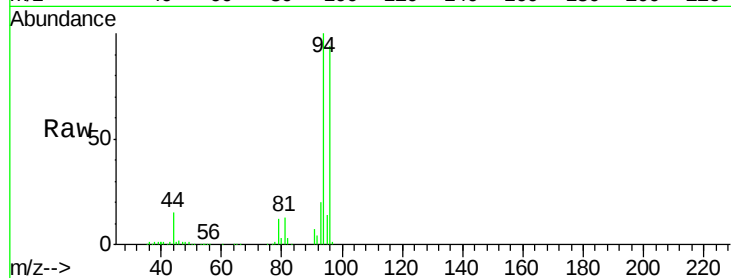
VX0721WBSD01

Tot Ion: 94 Resp: 34929

Ion Ratio Lower Upper

94 100

96 93.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

30000

25000

20000

15000

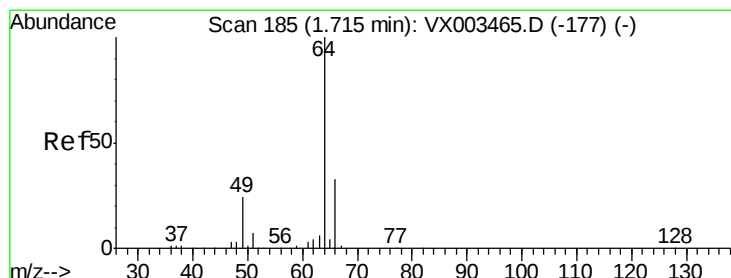
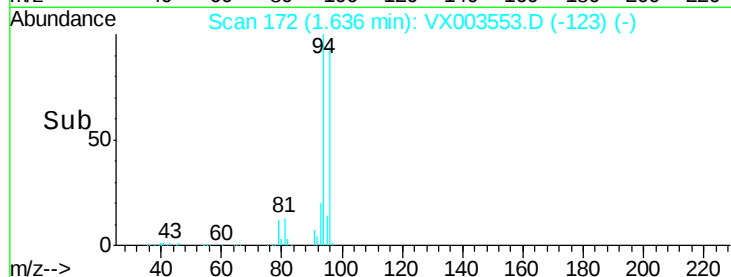
10000

5000

0

Time-->

1.60 1.70



#6

Chloroethane

Concen: 21.38 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003553.D

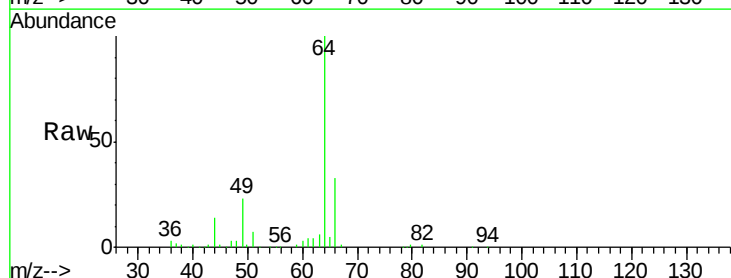
Acq: 21 Jul 2018 14:28

Tgt Ion: 64 Resp: 41071

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

30000

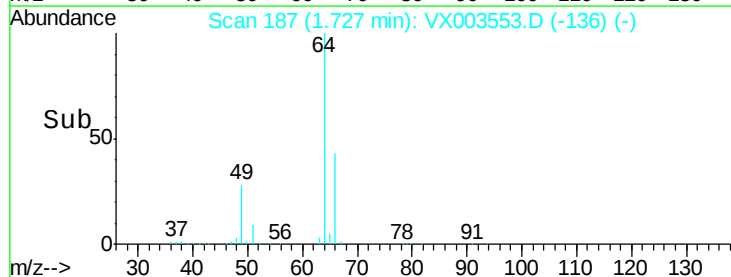
20000

10000

0

Time-->

1.60 1.70 1.80



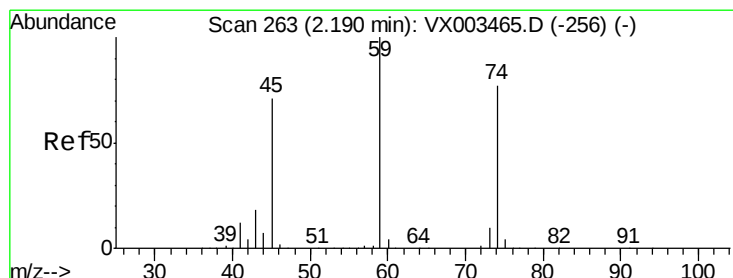
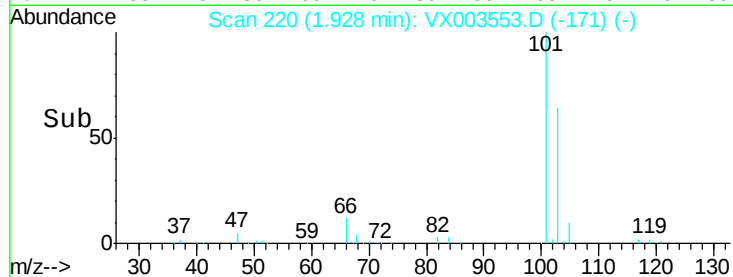
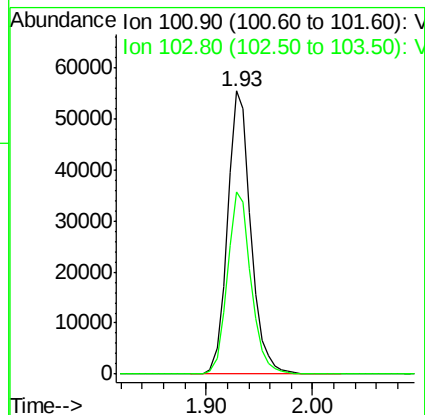
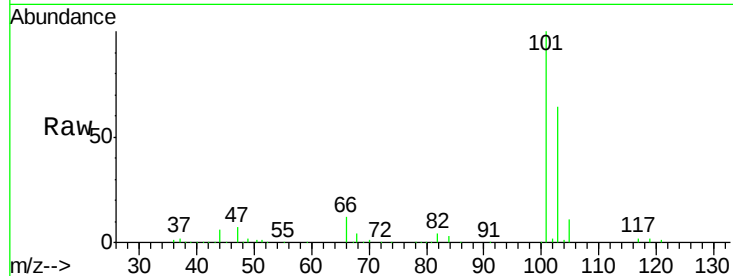


#7

Trichlorofluoromethane
 Concen: 19.57 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Instrument :
 MSVOA_X
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 VX0721WBSD01

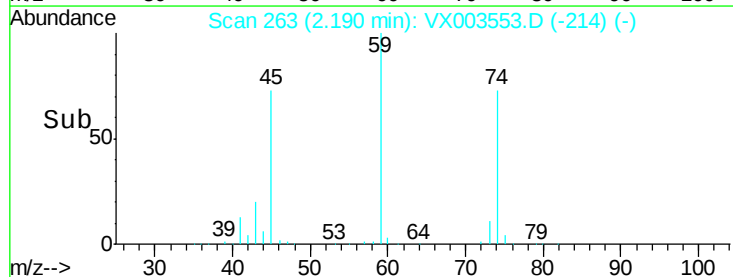
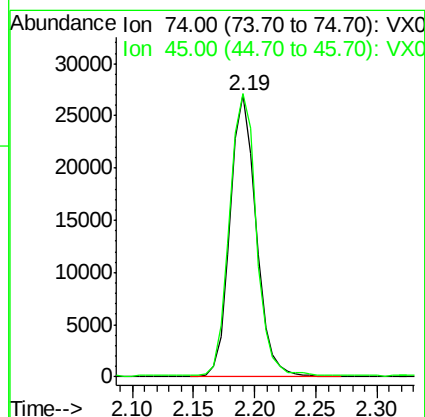
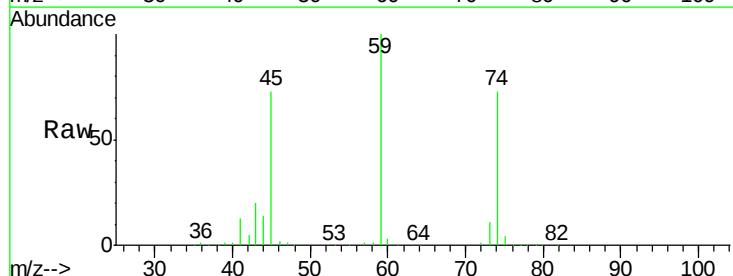
Tot Ion:101 Resp: 84758
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.8 79.2

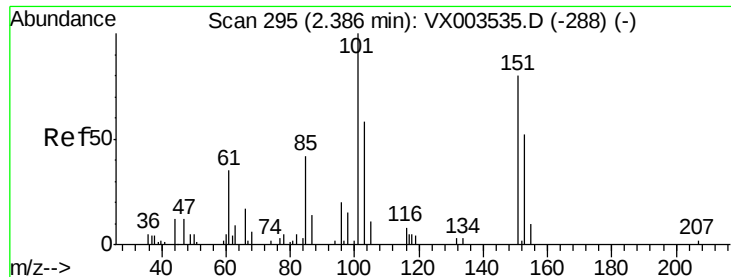


#8

Diethyl Ether
 Concen: 21.41 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Tgt Ion: 74 Resp: 39822
 Ion Ratio Lower Upper
 74 100
 45 102.8 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.34 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

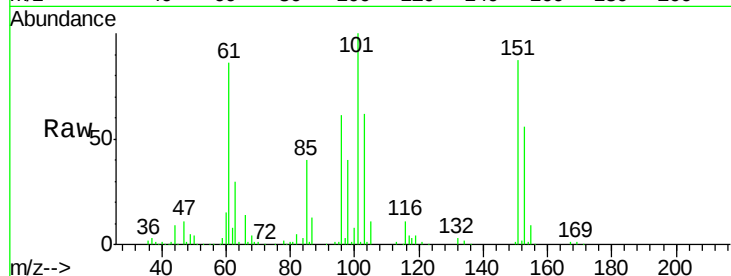
Tot Ion:101 Resp: 54825

Ion Ratio Lower Upper

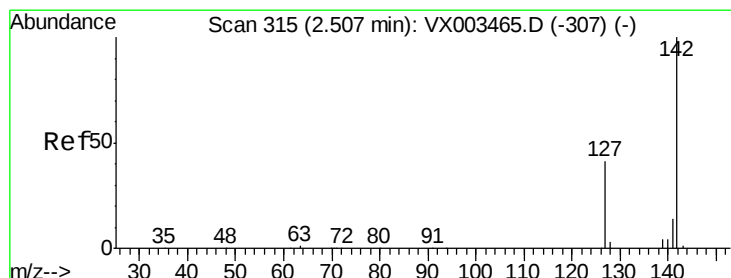
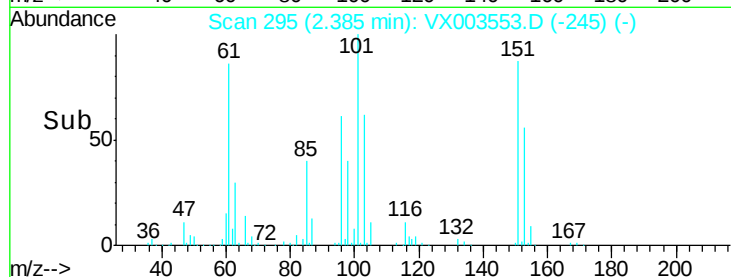
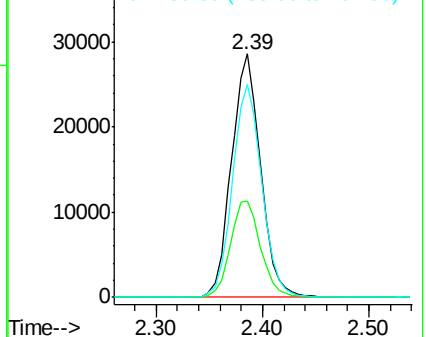
101 100

85 41.2 36.0 54.0

151 88.1 70.9 106.3



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



#10

Methyl Iodide

Concen: 21.75 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

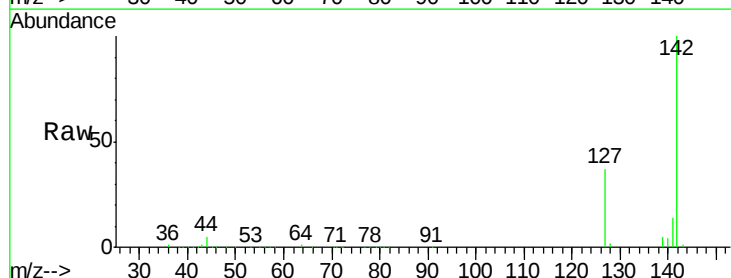
Tgt Ion:142 Resp: 74080

Ion Ratio Lower Upper

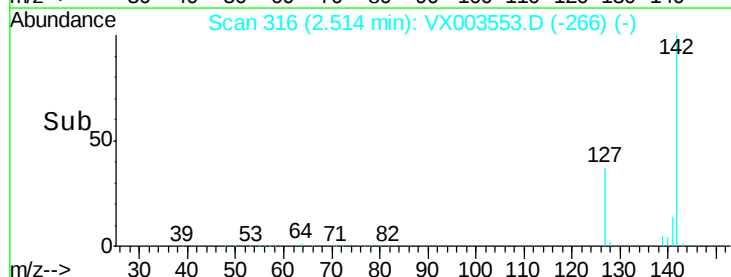
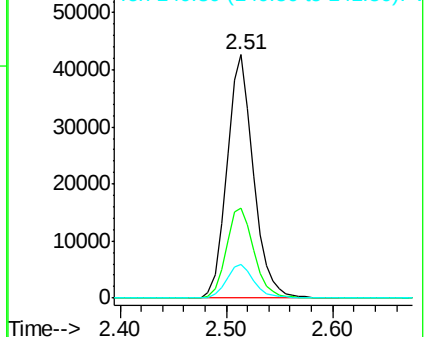
142 100

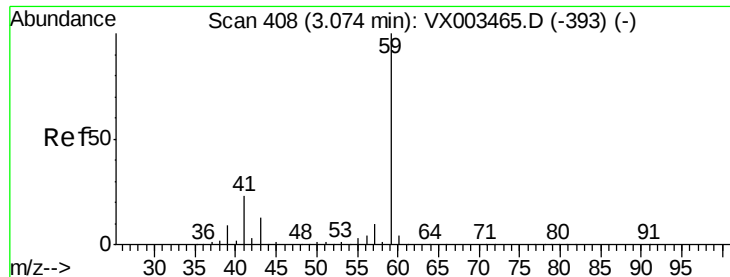
127 38.8 36.6 55.0

141 14.2 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



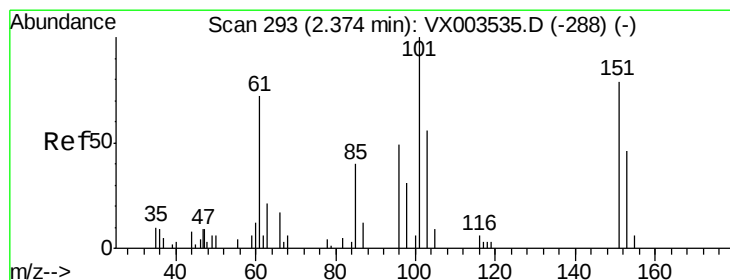
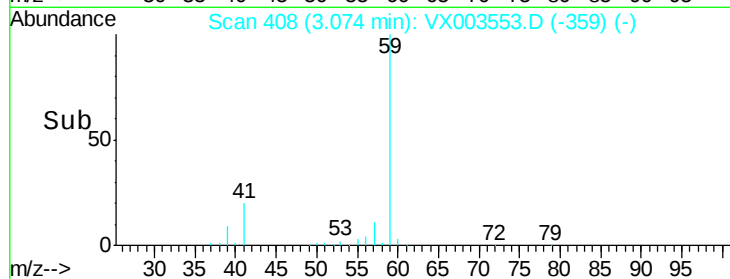
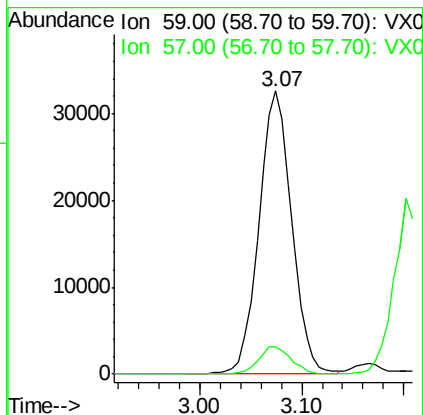
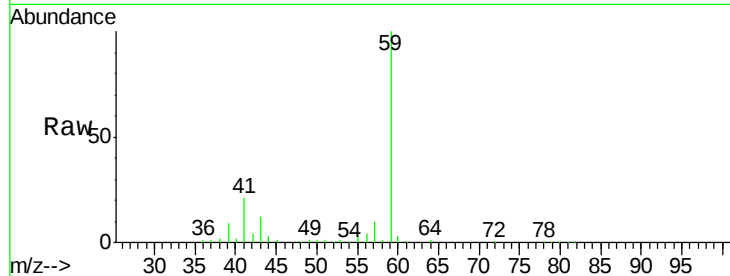


#11

Tert butyl alcohol
 Concen: 121.63 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD01

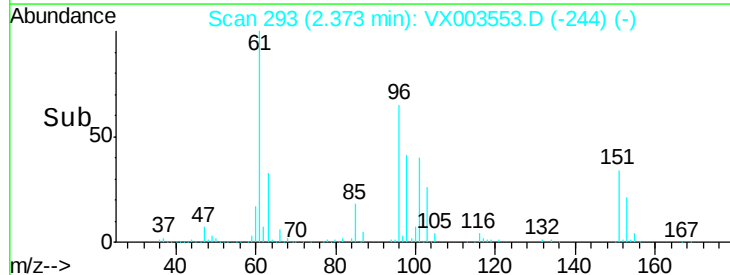
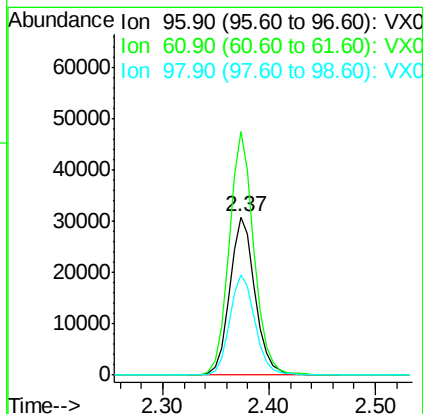
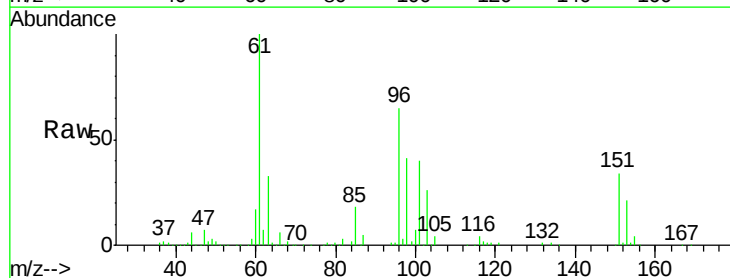
Tot Ion: 59 Resp: 72808
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.2

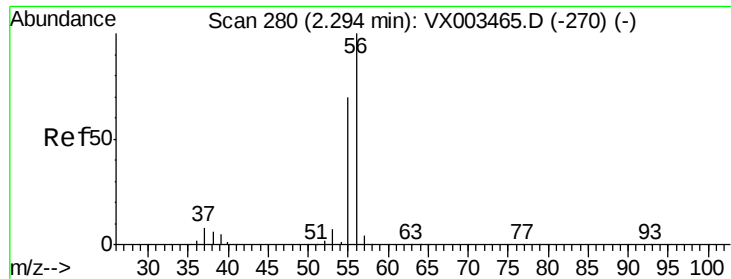


#12

1,1-Dichloroethene
 Concen: 19.53 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Tgt Ion: 96 Resp: 50975
 Ion Ratio Lower Upper
 96 100
 61 154.0 137.9 206.9
 98 63.6 51.6 77.4





#13

Acrolein

Concen: 94.01 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

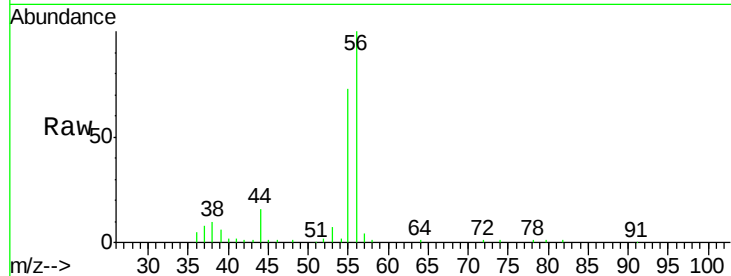
VX0721WBSD01

Tot Ion: 56 Resp: 25427

Ion Ratio Lower Upper

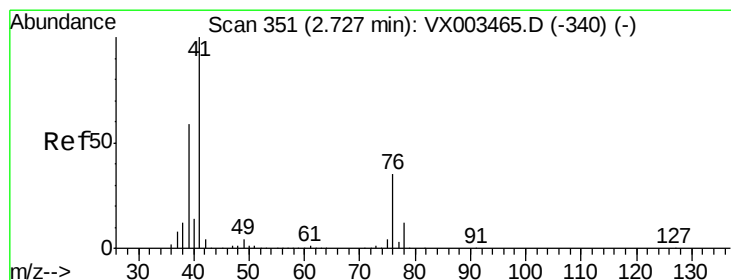
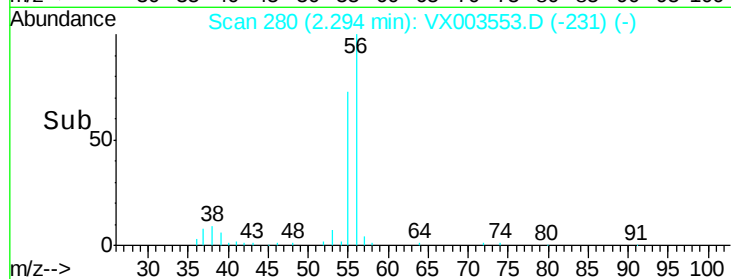
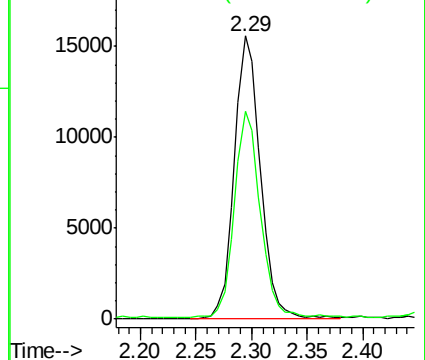
56 100

55 72.0 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.86 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

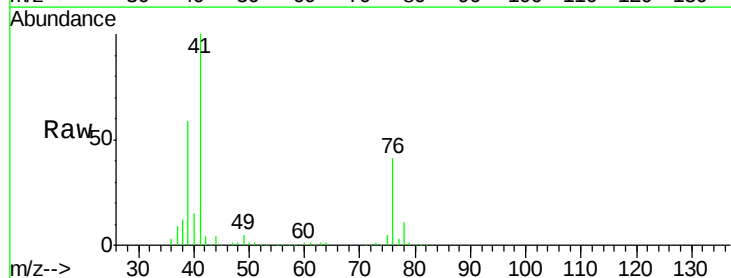
Tgt Ion: 41 Resp: 96382

Ion Ratio Lower Upper

41 100

39 58.2 56.8 85.2

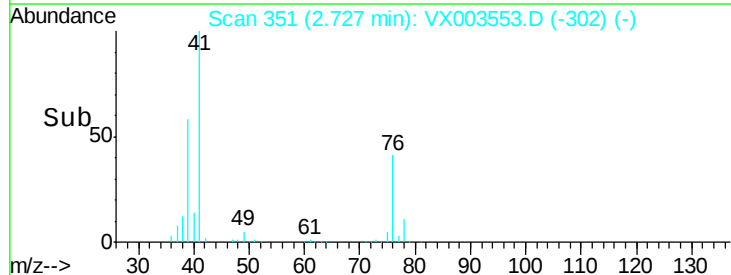
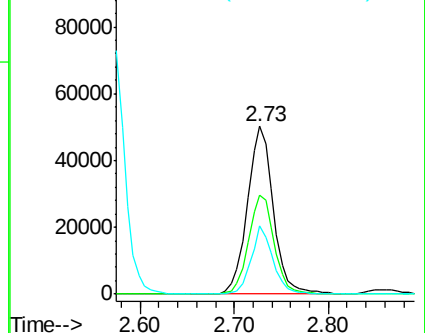
76 34.0 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 116.61 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

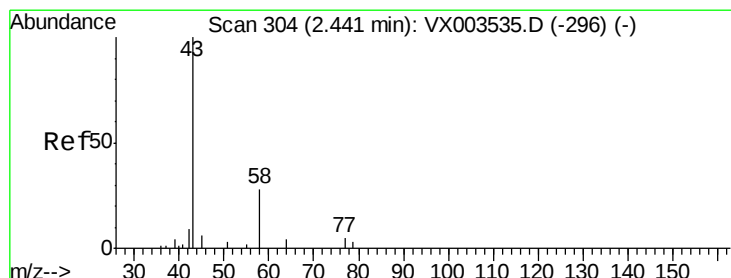
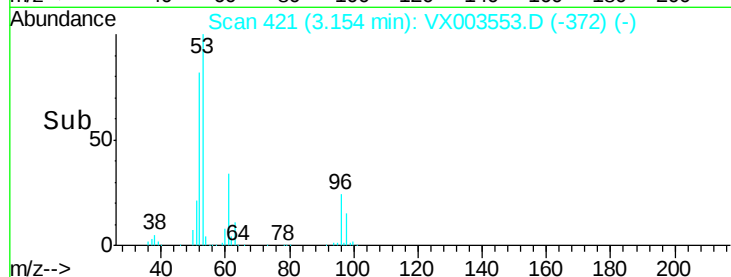
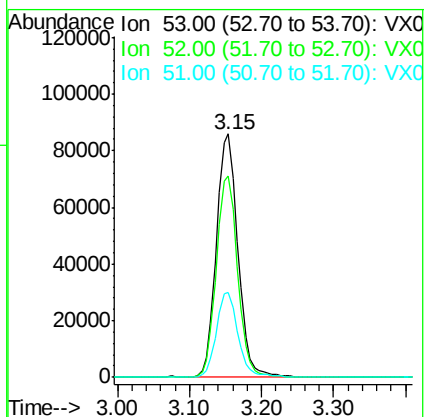
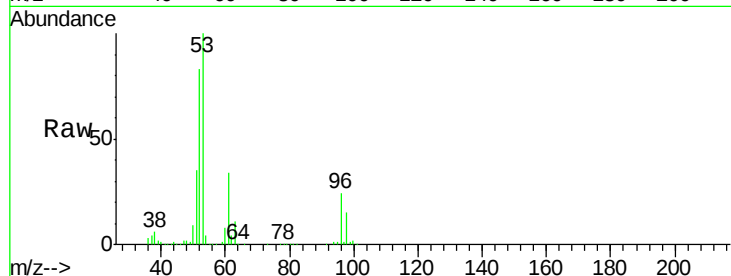
Tot Ion: 53 Resp: 177712

Ion Ratio Lower Upper

53 100

52 82.2 66.7 100.1

51 35.2 29.9 44.9



#16

Acetone

Concen: 118.17 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003553.D

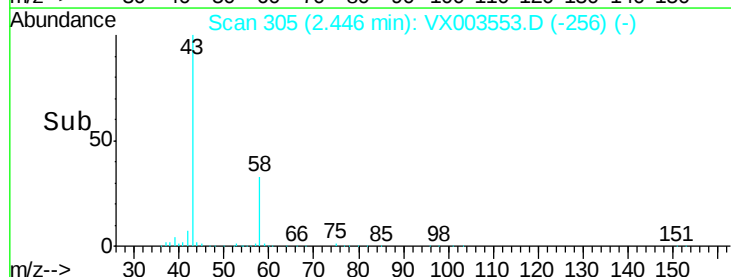
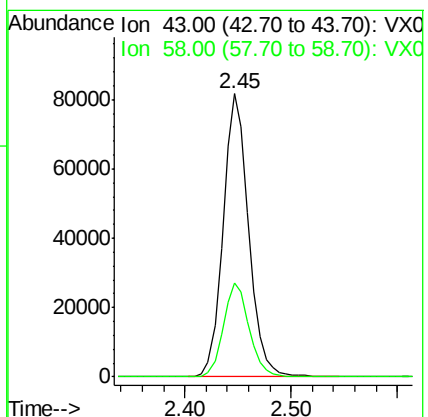
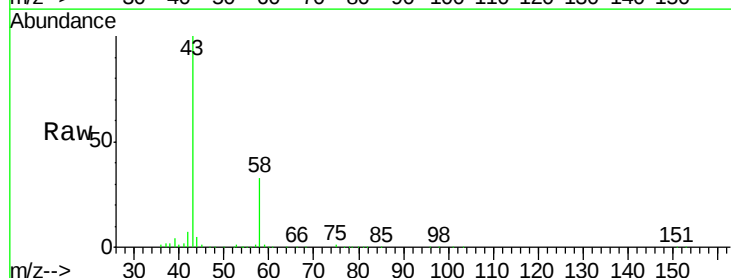
Acq: 21 Jul 2018 14:28

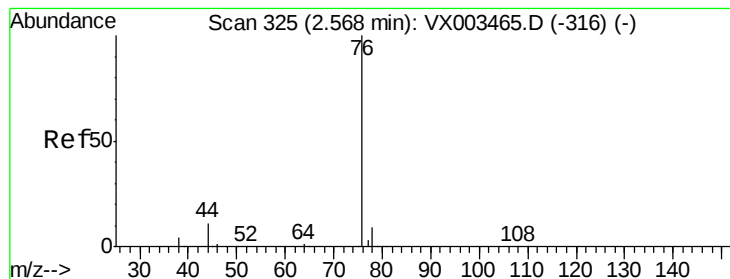
Tgt Ion: 43 Resp: 135025

Ion Ratio Lower Upper

43 100

58 33.0 22.1 33.1





#17

Carbon Disulfide

Concen: 18.72 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

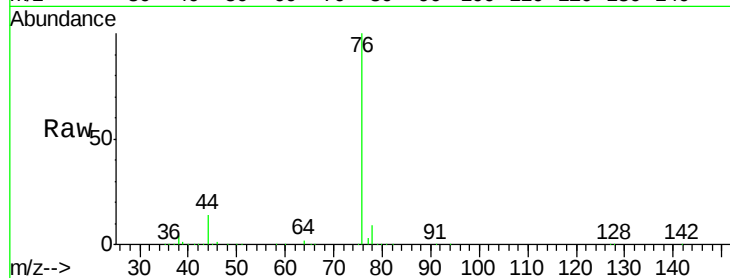
VX0721WBSD01

Tot Ion: 76 Resp: 132118

Ion Ratio Lower Upper

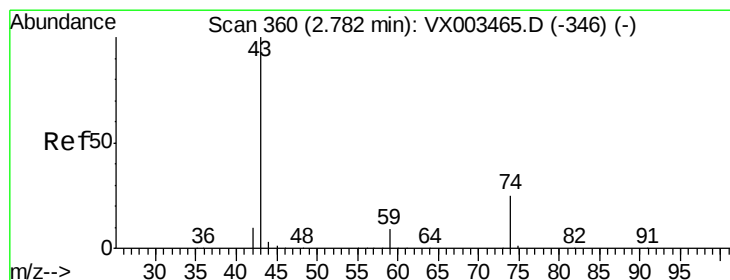
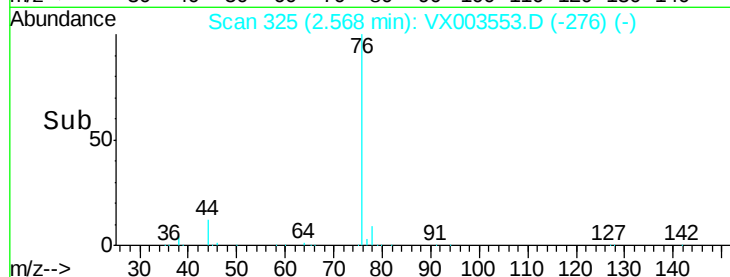
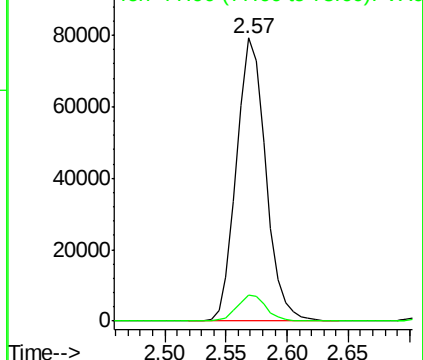
76 100

78 9.2 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.64 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003553.D

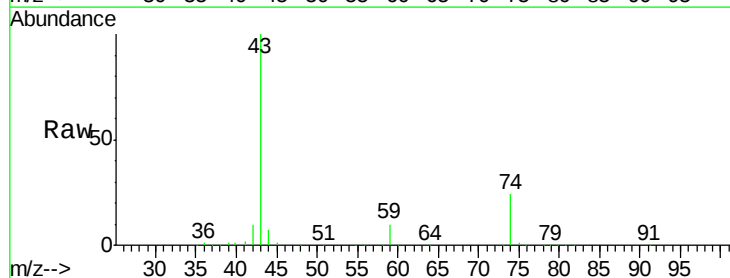
Acq: 21 Jul 2018 14:28

Tgt Ion: 43 Resp: 88766

Ion Ratio Lower Upper

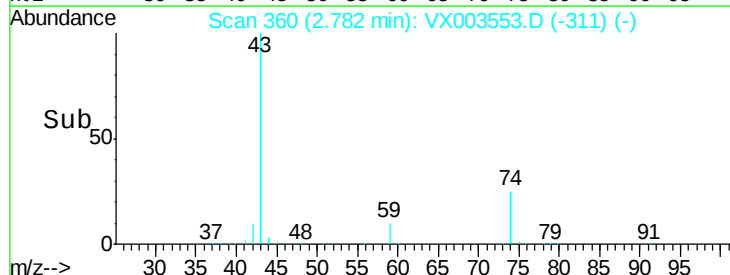
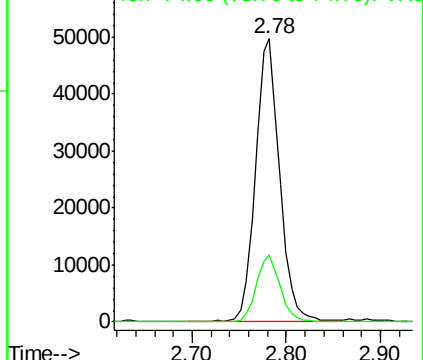
43 100

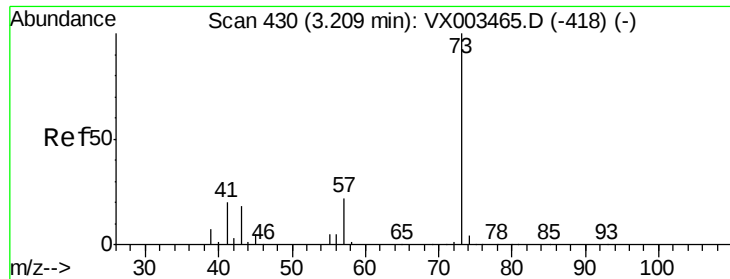
74 23.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

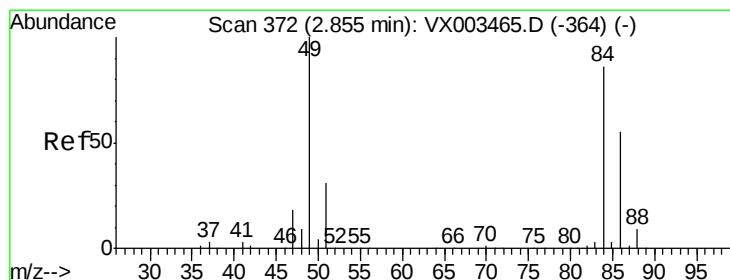
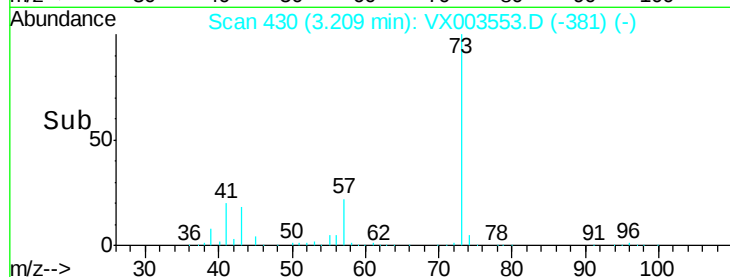
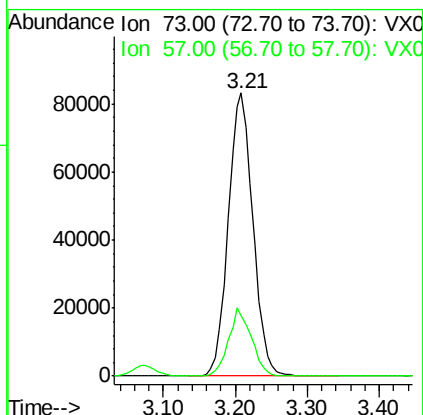
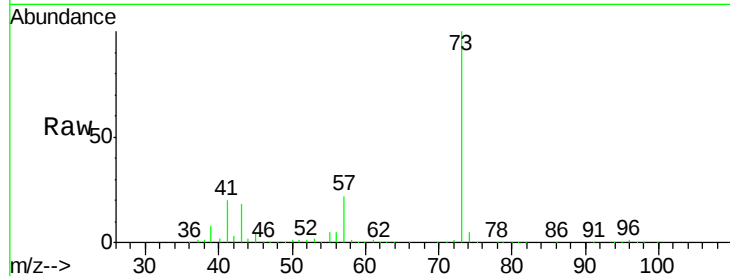




#19
Methyl tert-butyl Ether
Concen: 23.18 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

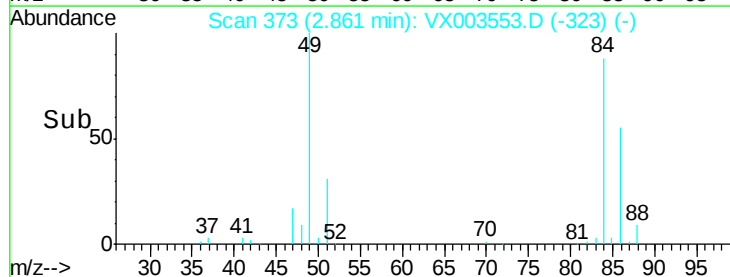
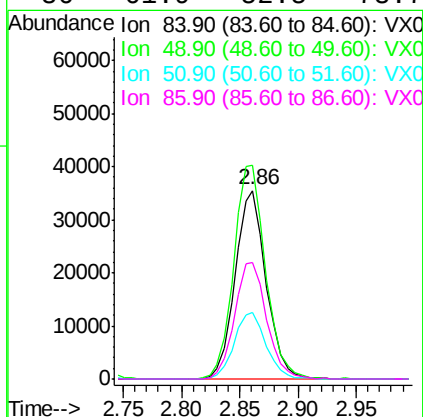
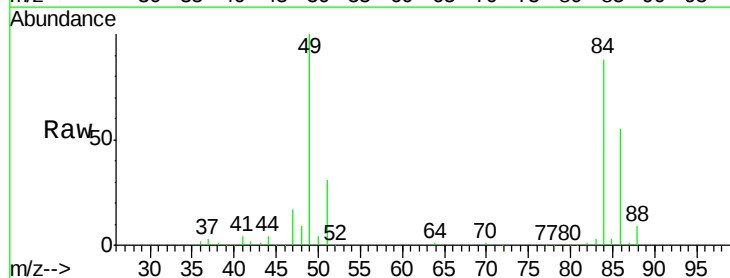
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

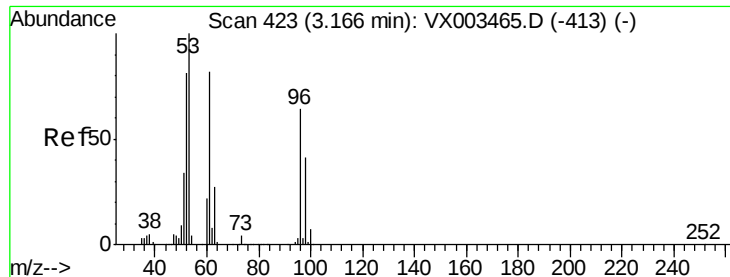
Tot Ion: 73 Resp: 197606
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5



#20
Methylene Chloride
Concen: 23.08 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion: 84 Resp: 65775
Ion Ratio Lower Upper
84 100
49 113.5 107.8 161.6
51 35.5 32.8 49.2
86 61.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.04 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

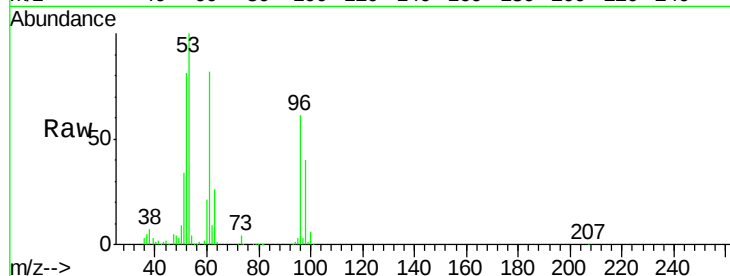
Tot Ion: 96 Resp: 58204

Ion Ratio Lower Upper

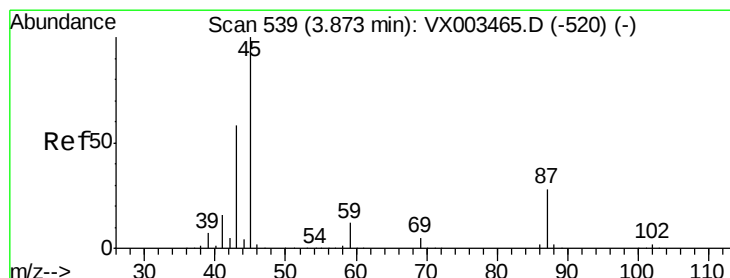
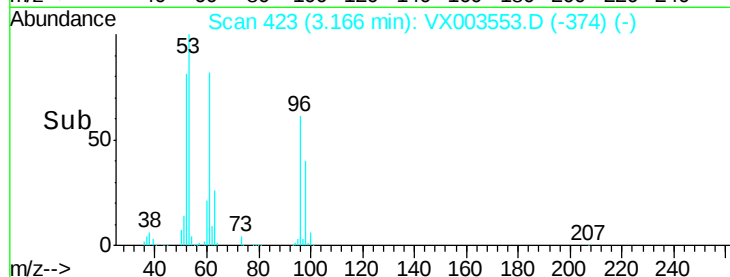
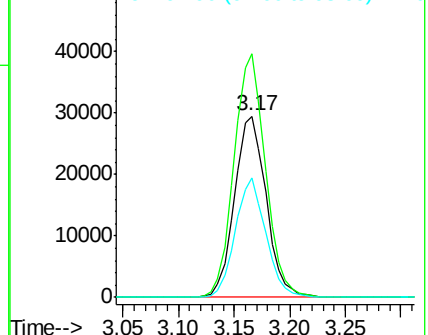
96 100

61 134.5 117.0 175.4

98 65.8 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: 22.77 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Tgt Ion: 45 Resp: 197986

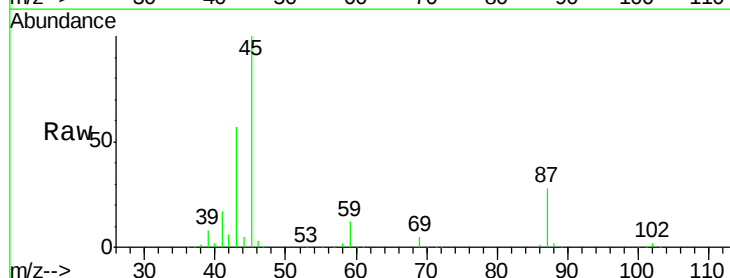
Ion Ratio Lower Upper

45 100

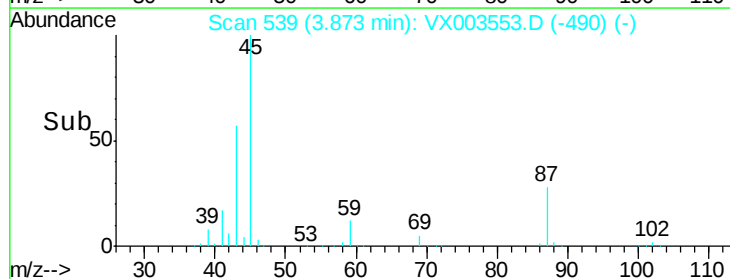
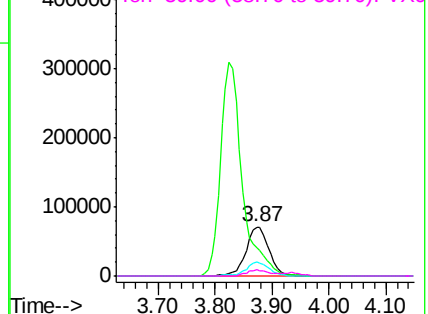
43 57.4 46.8 70.2

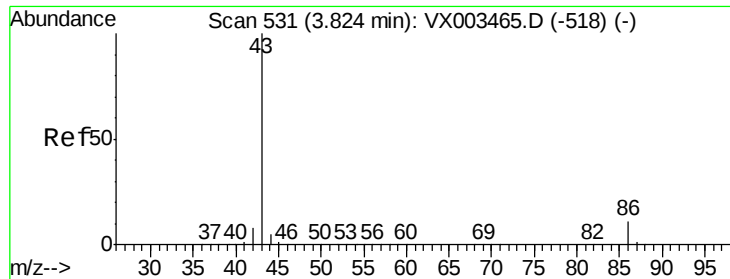
87 27.7 20.2 30.4

59 12.2 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: 114.31 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

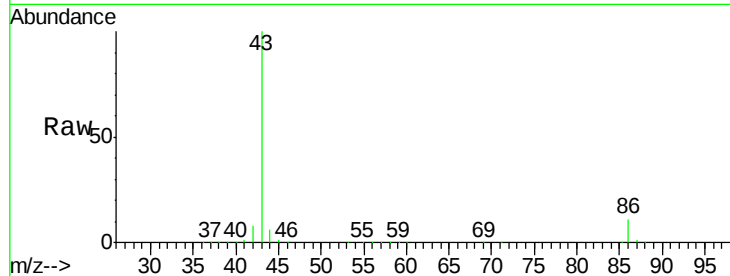
VX0721WBSD01

Tot Ion: 43 Resp: 818654

Ion Ratio Lower Upper

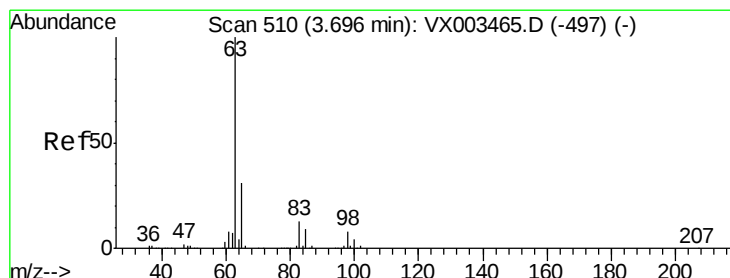
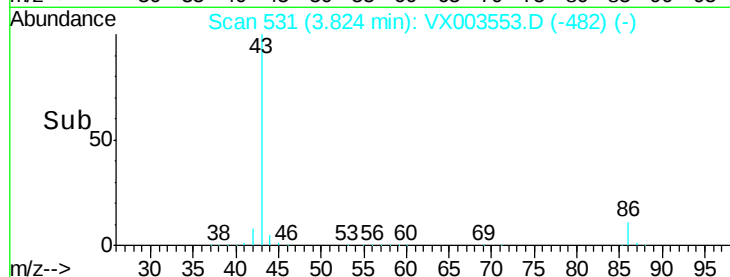
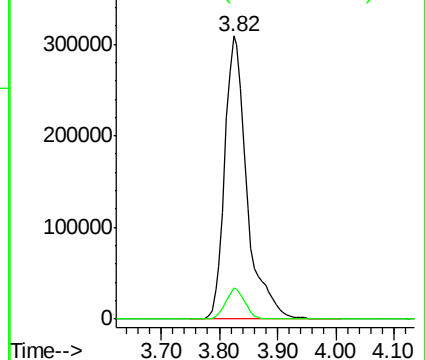
43 100

86 10.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.01 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

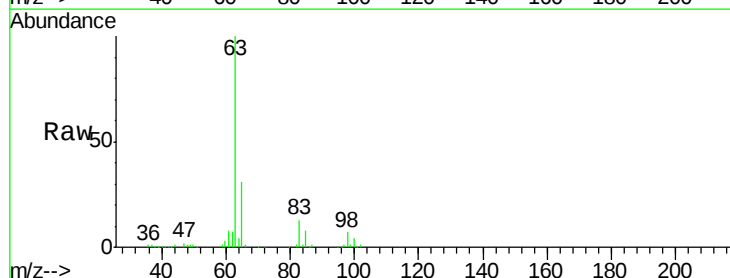
Tgt Ion: 63 Resp: 107195

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

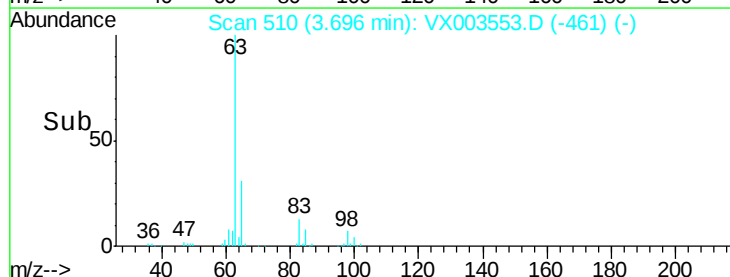
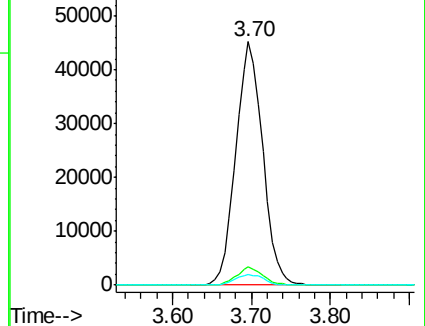
100 4.4 2.0 6.0

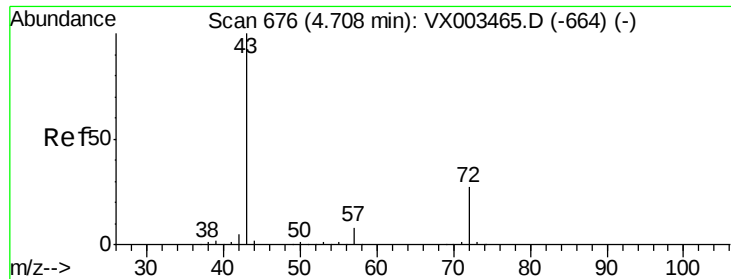


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 124.46 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

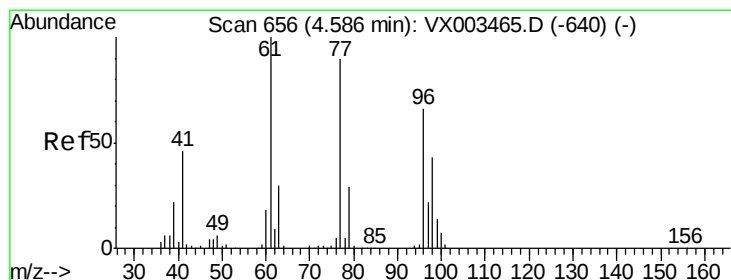
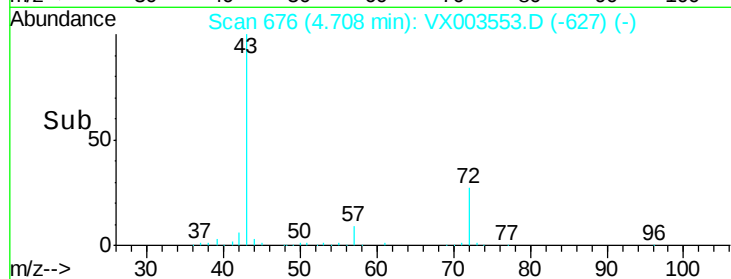
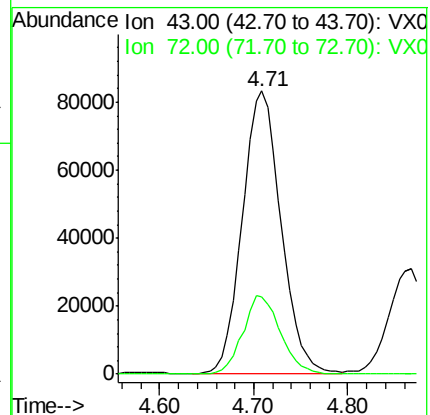
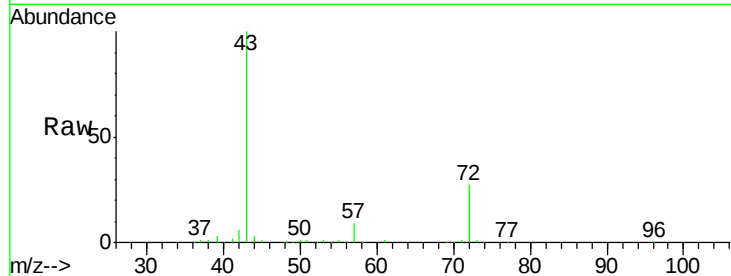
VX0721WBSD01

Tot Ion: 43 Resp: 238606

Ion Ratio Lower Upper

43 100

72 27.3 18.5 27.7



#26

2,2-Dichloropropane

Concen: 20.42 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003553.D

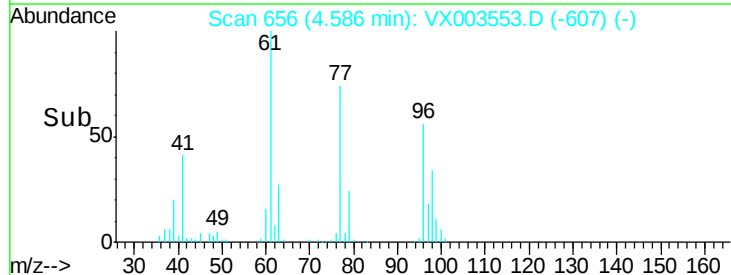
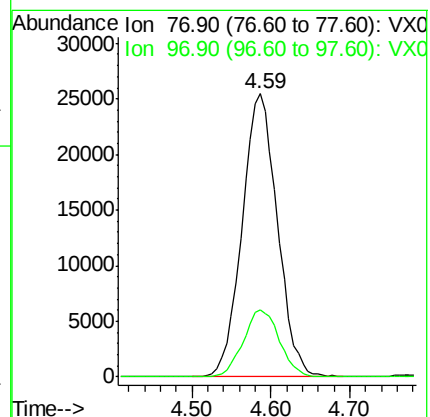
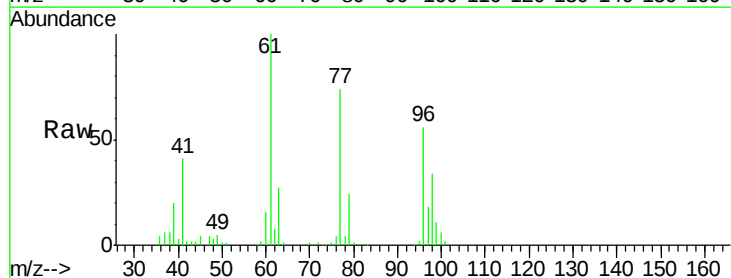
Acq: 21 Jul 2018 14:28

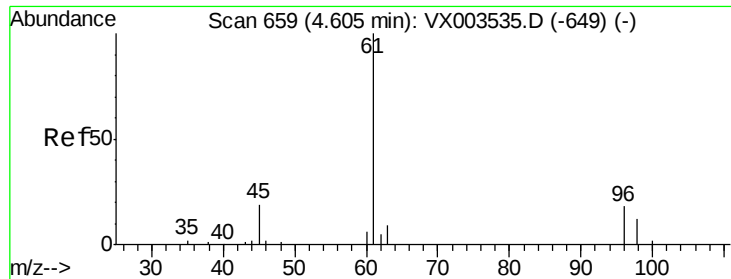
Tgt Ion: 77 Resp: 79123

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.5



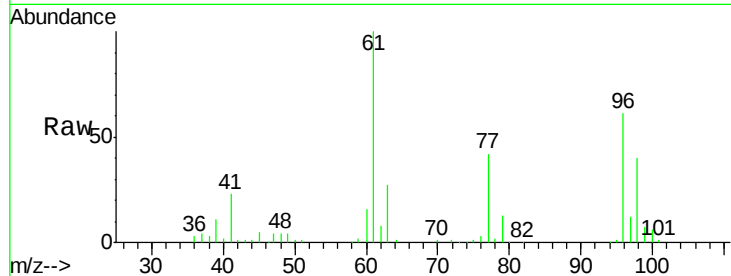


#27

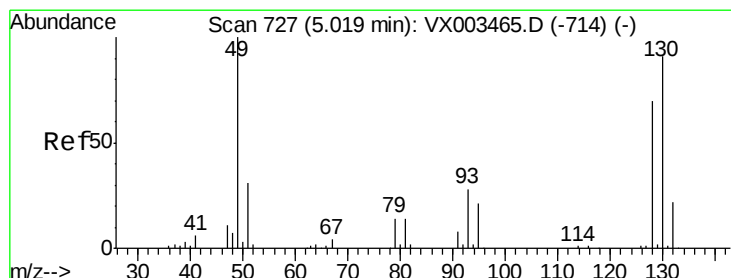
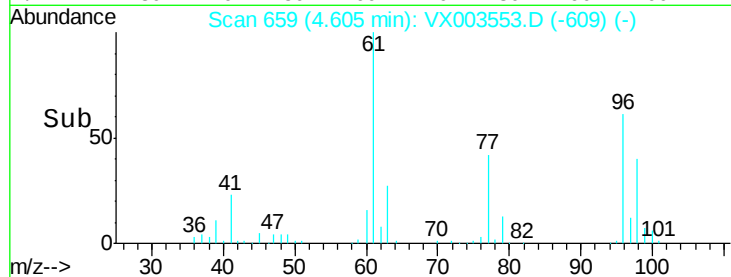
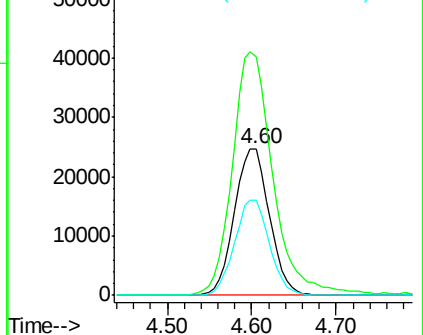
cis-1,2-Dichloroethene
Concen: 21.46 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

Tot Ion: 96 Resp: 69393
Ion Ratio Lower Upper
96 100
61 194.3 0.0 330.2
98 64.5 0.0 130.2



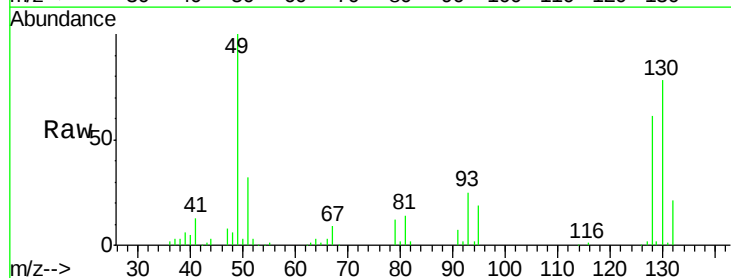
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



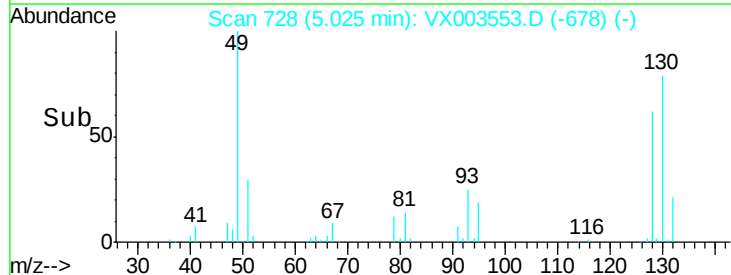
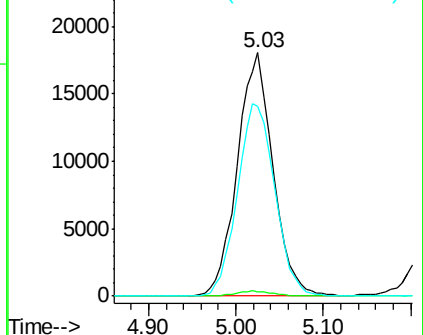
#28

Bromochloromethane
Concen: 22.91 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion: 49 Resp: 51073
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 83.1 61.2 91.8



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

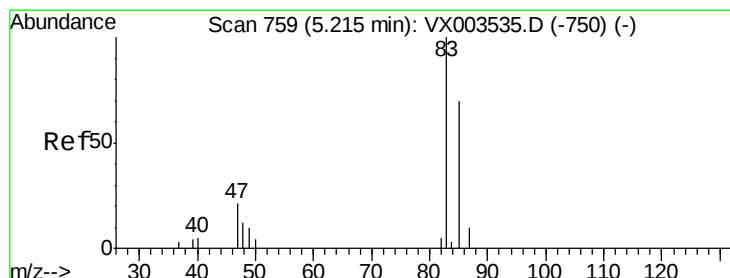
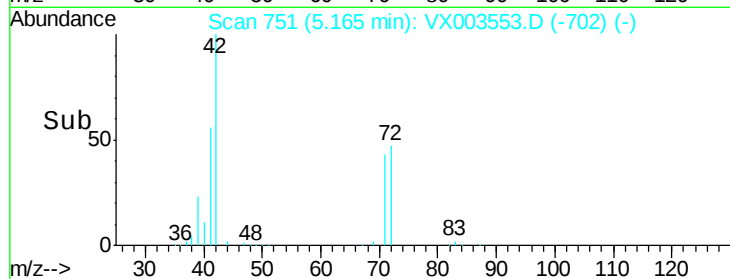
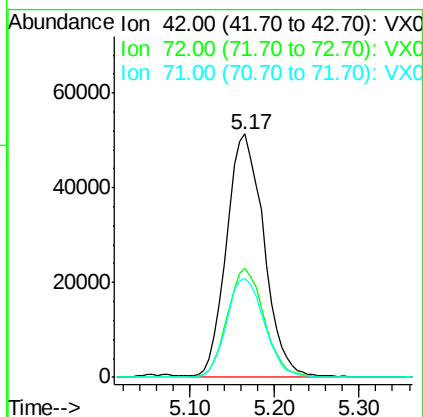
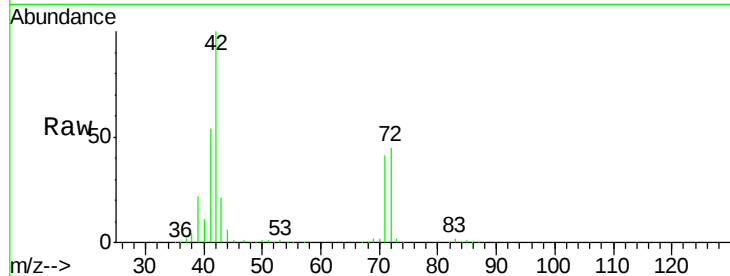




#29
Tetrahydrofuran
Concen: 121.73 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

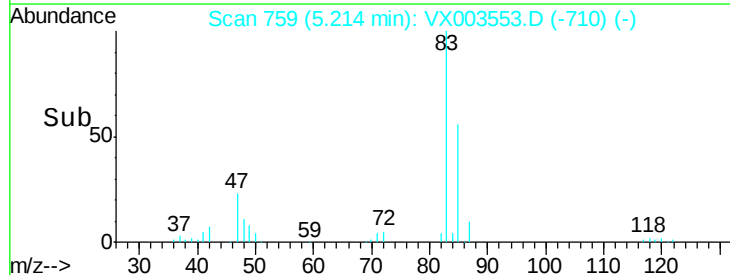
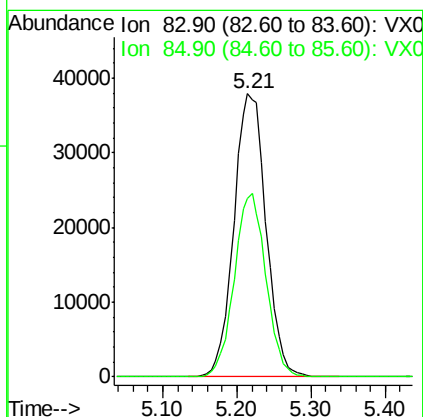
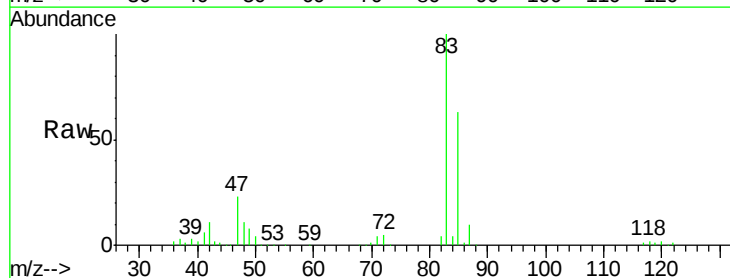
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

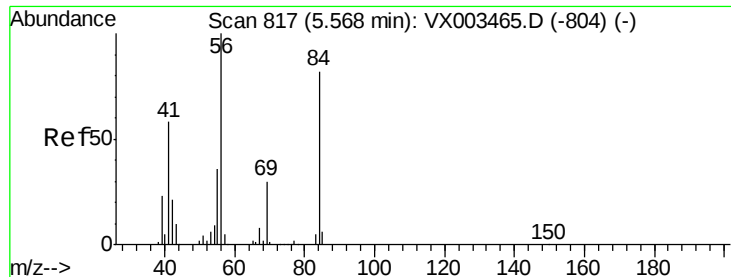
Tot Ion: 42 Resp: 154170
Ion Ratio Lower Upper
42 100
72 44.7 32.0 48.0
71 41.5 30.1 45.1



#30
Chloroform
Concen: 23.03 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion: 83 Resp: 114702
Ion Ratio Lower Upper
83 100
85 62.9 50.4 75.6





#31

Cyclohexane

Concen: 19.91 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

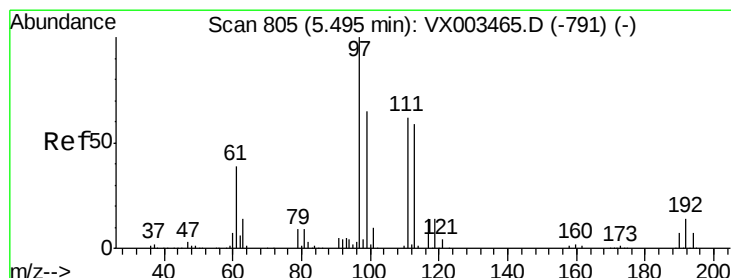
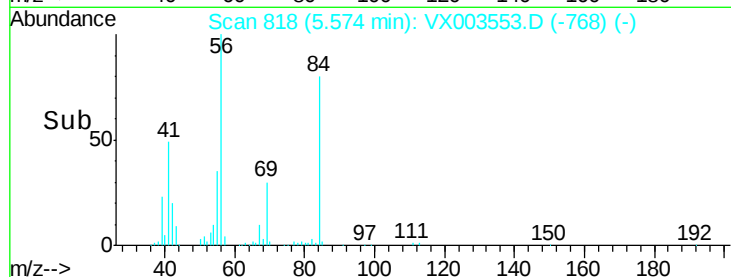
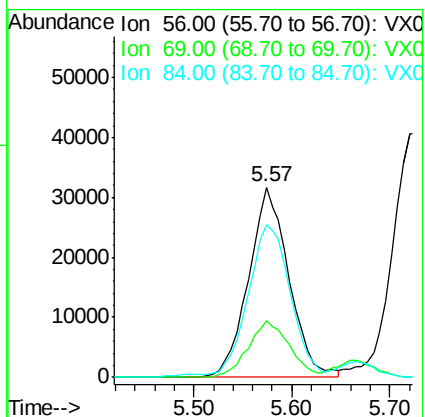
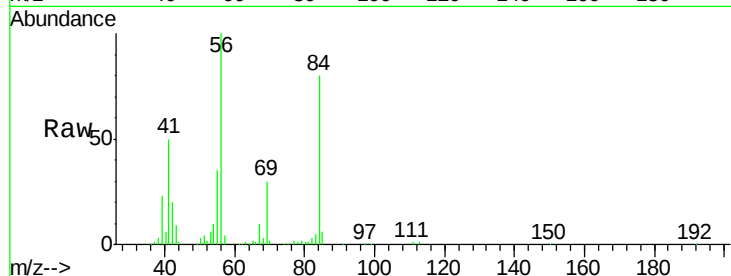
Tot Ion: 56 Resp: 90756

Ion Ratio Lower Upper

56 100

69 30.1 23.7 35.5

84 78.3 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 21.33 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

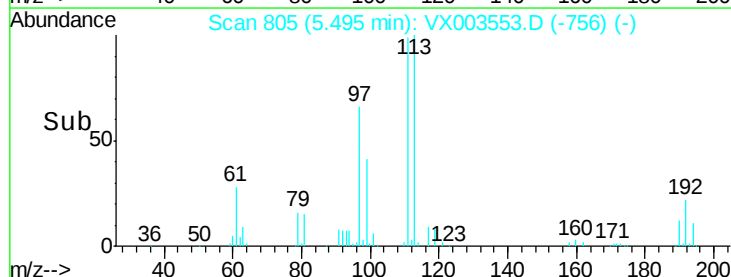
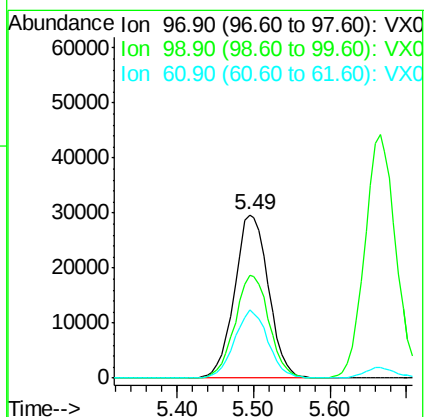
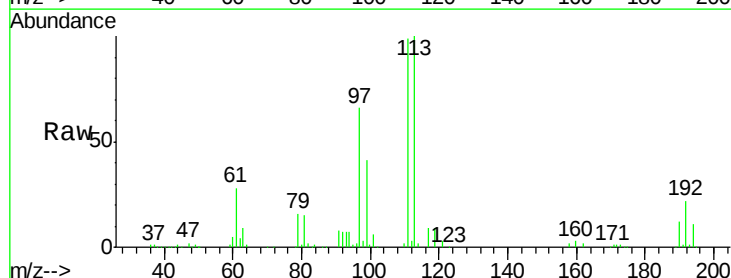
Tgt Ion: 97 Resp: 90980

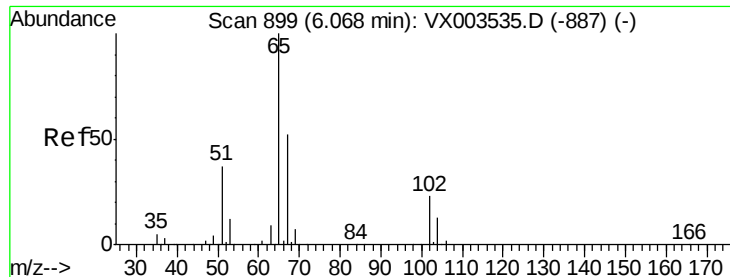
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 41.4 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 58.01 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

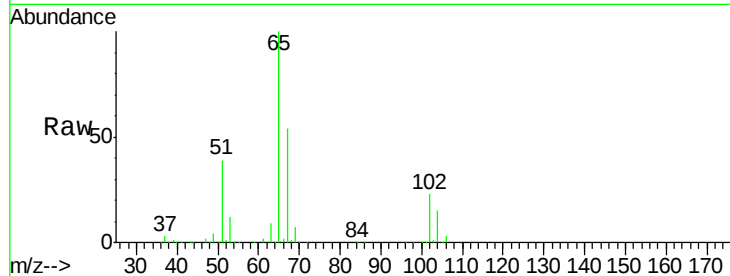
VX0721WBSD01

Tot Ion: 65 Resp: 175468

Ion Ratio Lower Upper

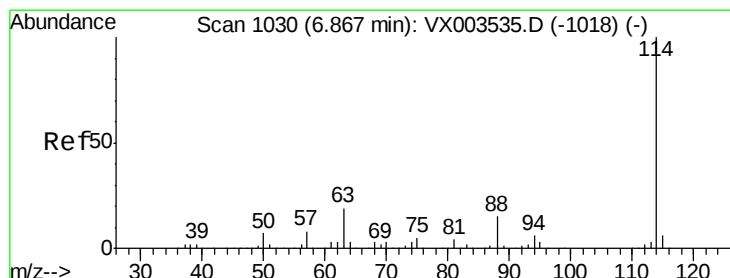
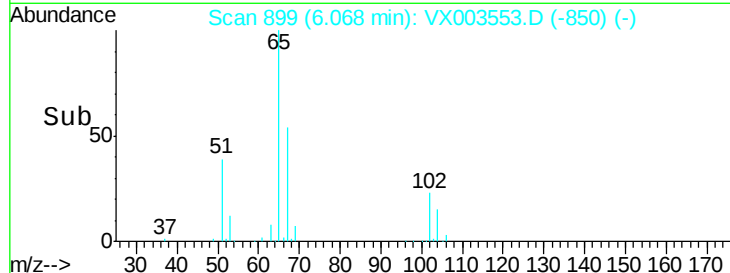
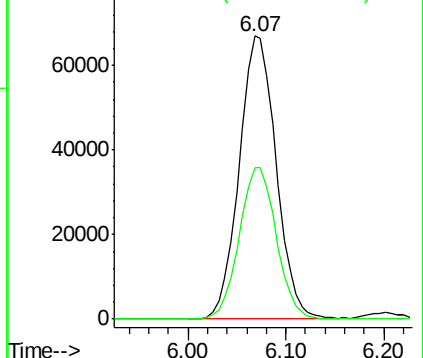
65 100

67 53.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

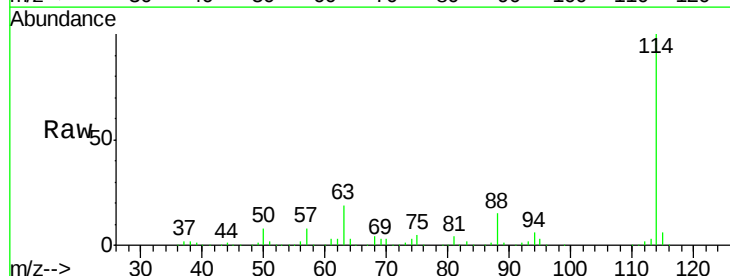
Tgt Ion: 114 Resp: 373928

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

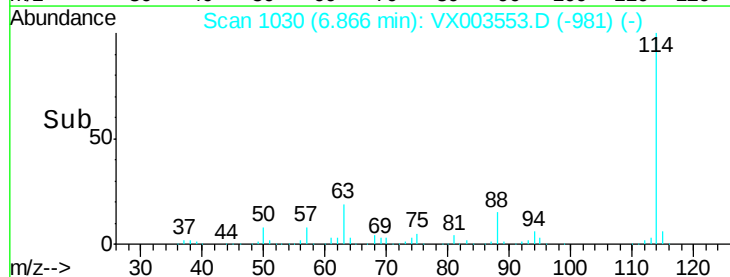
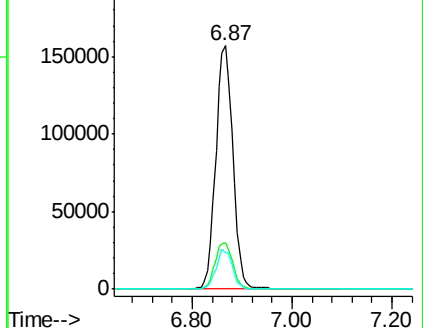
88 15.1 0.0 30.0

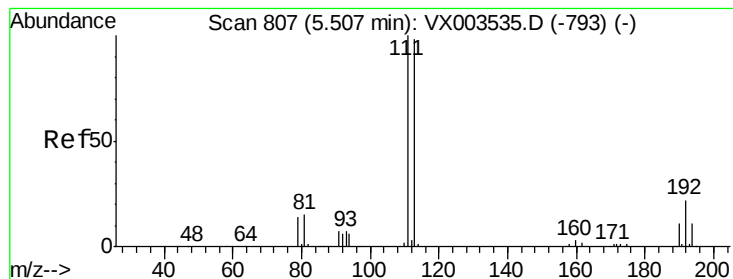


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.71 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

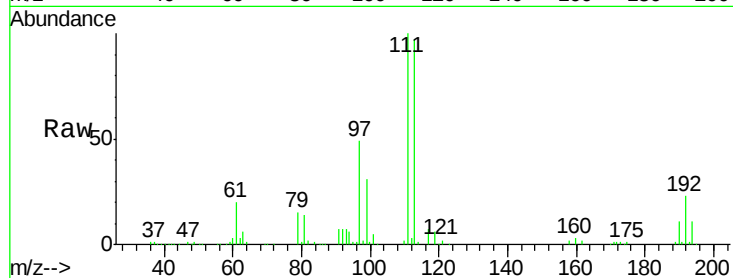
Tot Ion:113 Resp: 150119

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

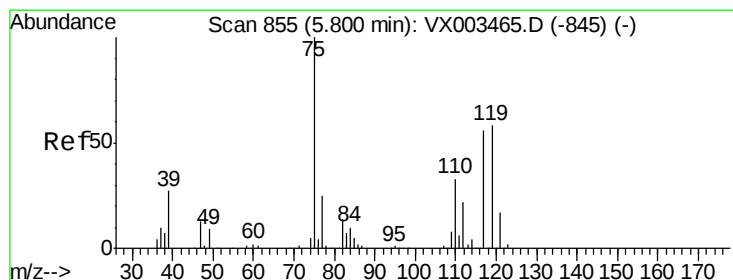
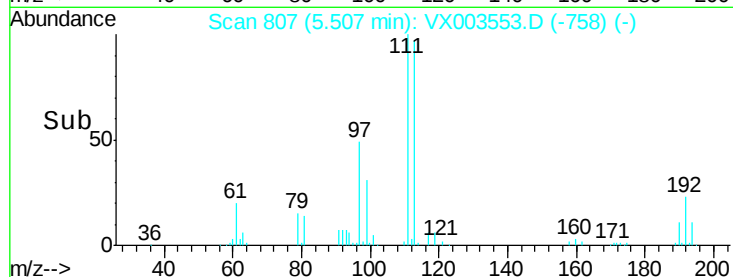
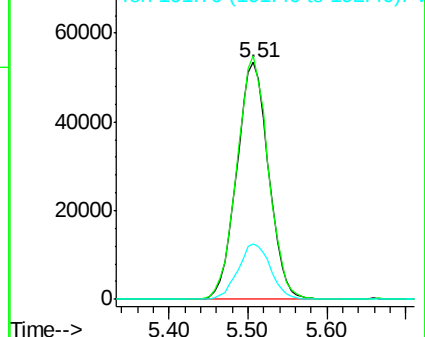
192 24.0 19.1 28.7



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: 19.27 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

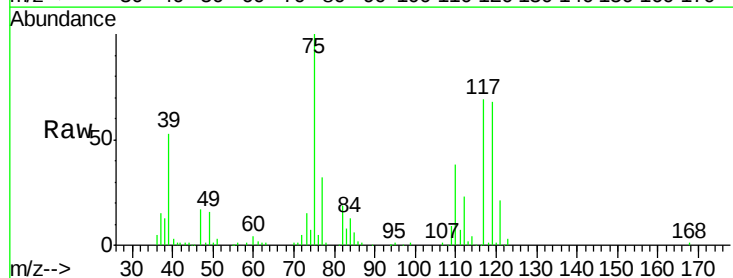
Tgt Ion: 75 Resp: 77816

Ion Ratio Lower Upper

75 100

110 37.3 18.1 54.4

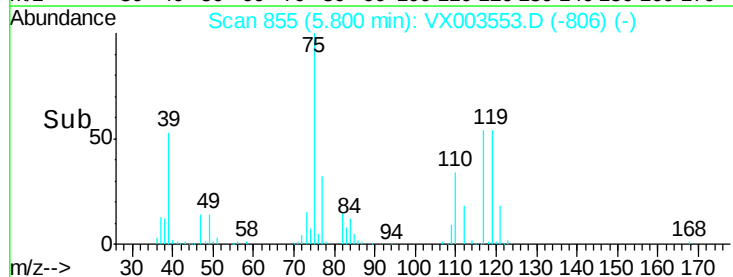
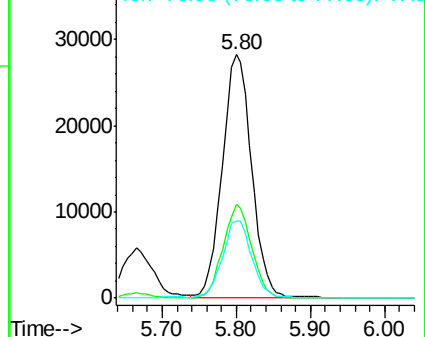
77 31.9 24.3 36.5

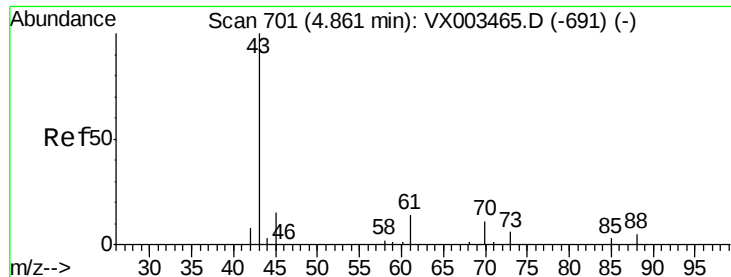


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

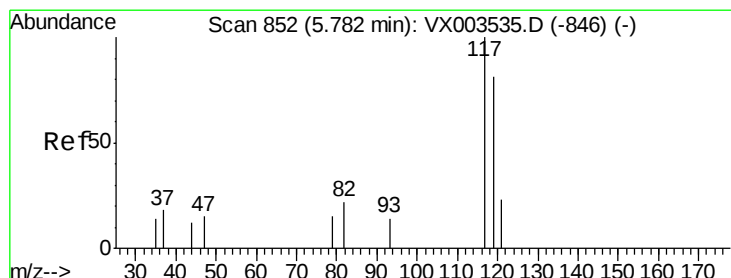
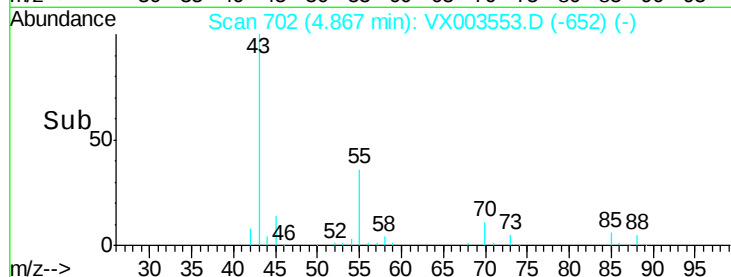
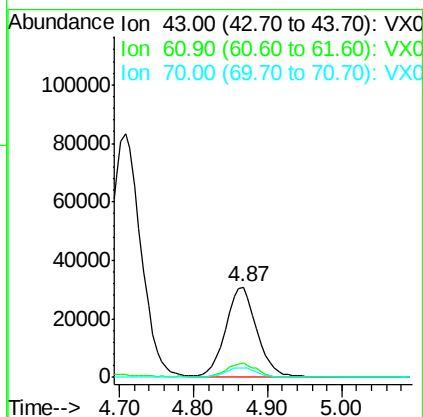
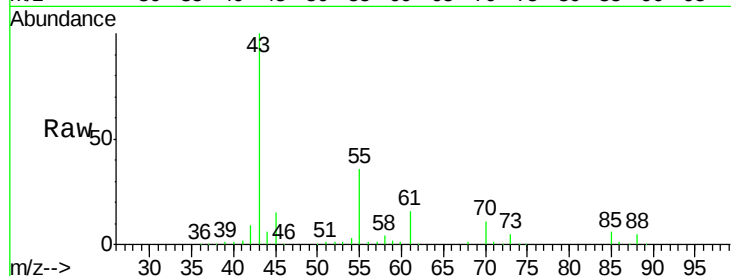




#37
Ethyl Acetate
Concen: 23.59 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

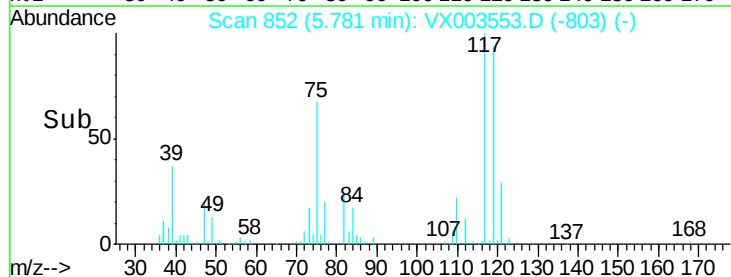
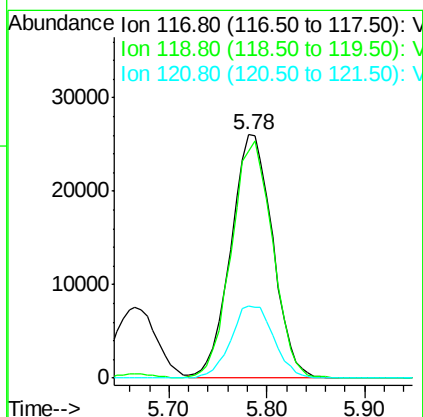
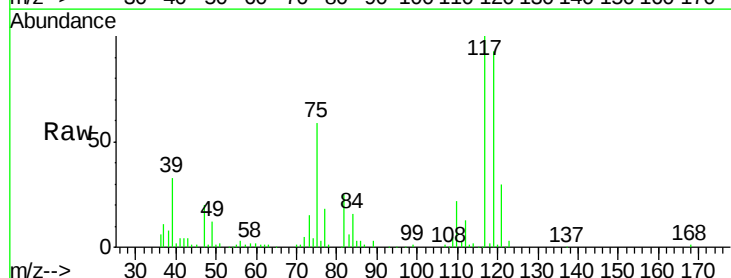
Instrument :
MSVOA_X
ClientSampleID :
VX0721WBSD01

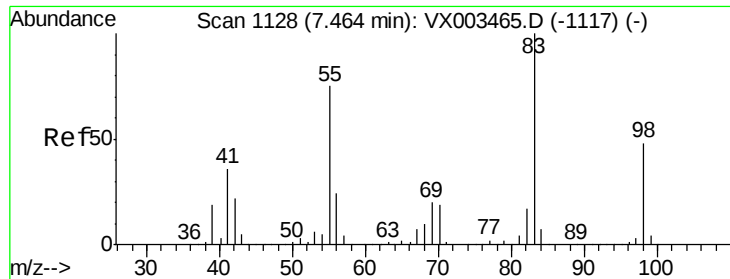
Tot Ion: 43 Resp: 90125
Ion Ratio Lower Upper
43 100
61 15.2 10.4 15.6
70 10.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.51 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion: 117 Resp: 77271
Ion Ratio Lower Upper
117 100
119 93.0 77.4 116.0
121 29.5 24.4 36.6

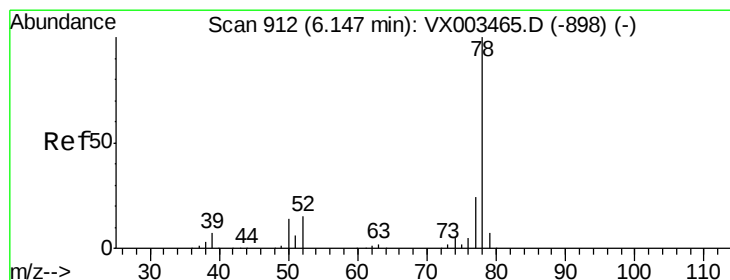
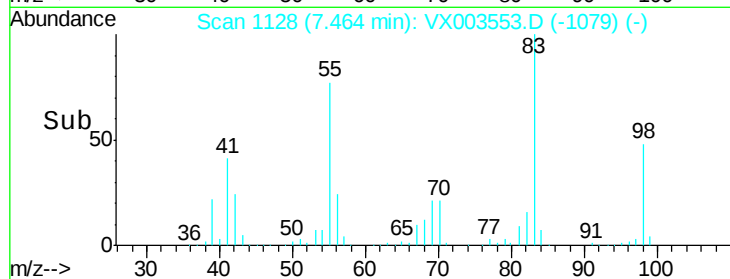
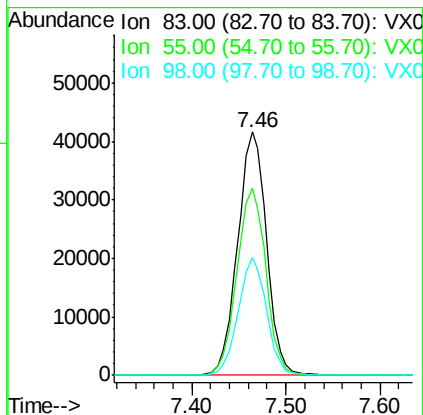
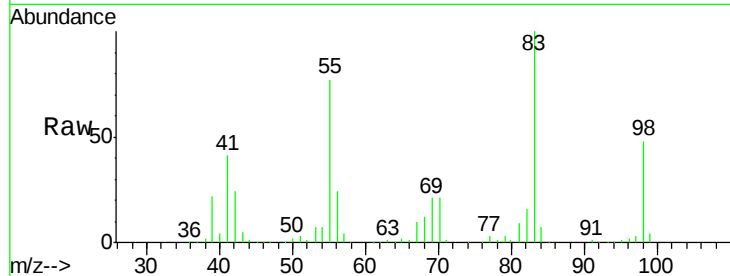




#39
Methvlcvclohexane
Concen: 18.64 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

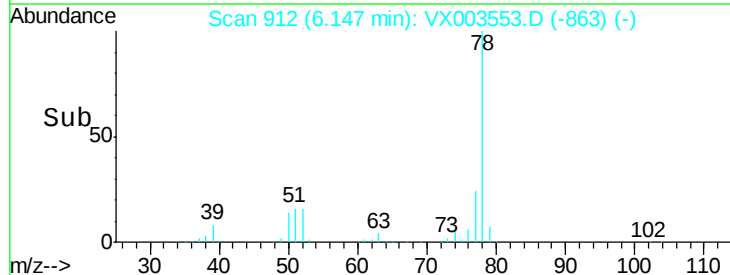
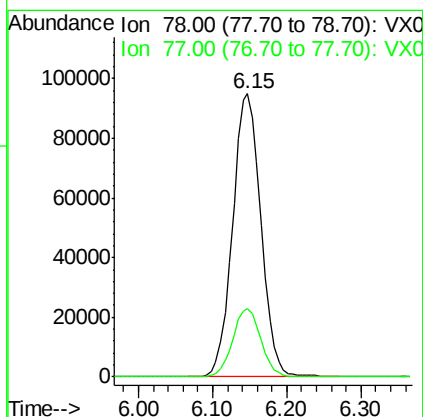
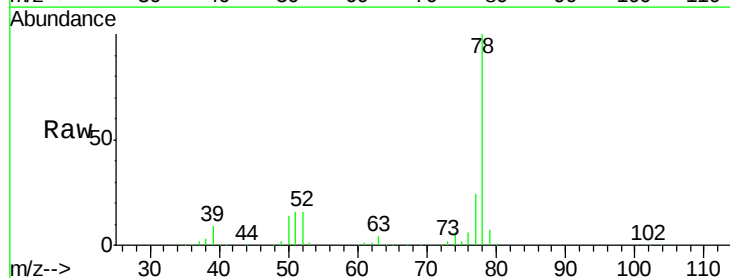
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

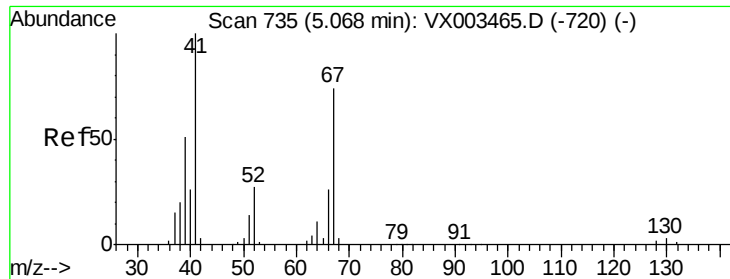
Tot Ion: 83 Resp: 89124
Ion Ratio Lower Upper
83 100
55 77.1 65.4 98.0
98 48.4 37.4 56.0



#40
Benzene
Concen: 20.74 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion: 78 Resp: 252762
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7

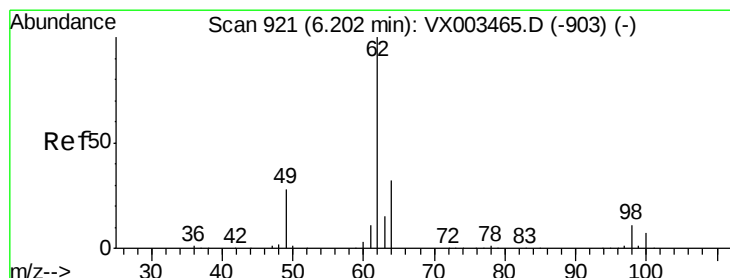
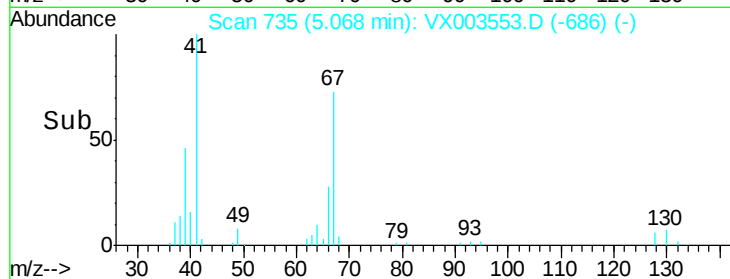
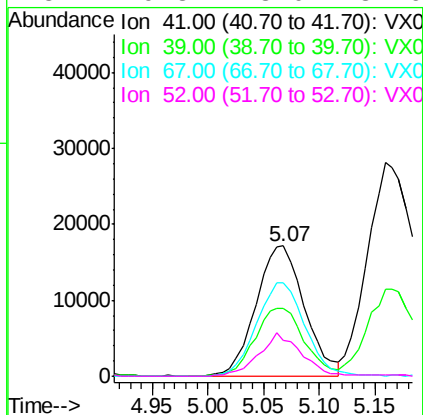
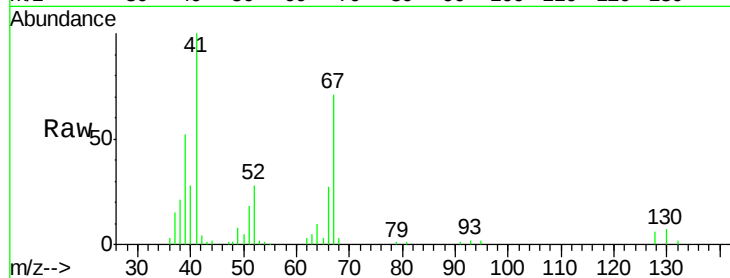




#41
Methacrylonitrile
Concen: 23.23 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

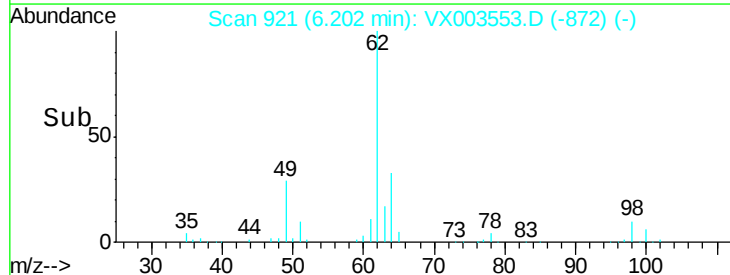
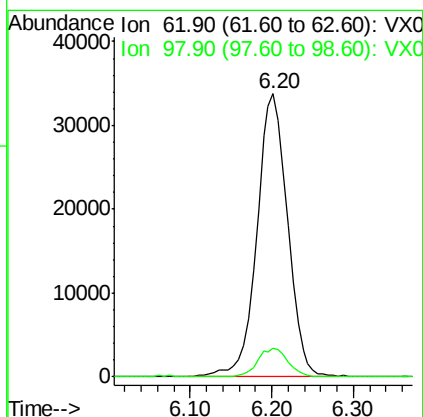
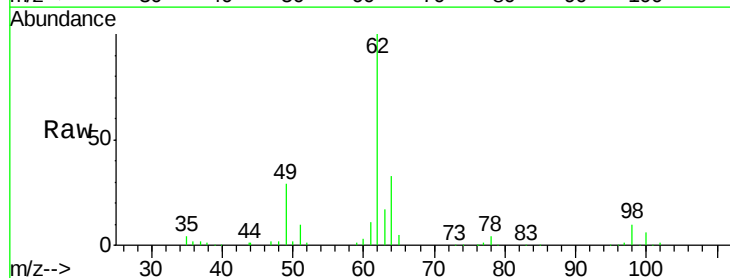
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

Tot Ion:	41	Resp:	52152
Ion	Ratio	Lower	Upper
41	100		
39	53.5	45.8	68.6
67	71.9	51.3	76.9
52	29.3	23.0	34.6



#42
1,2-Dichloroethane
Concen: 23.07 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion:	62	Resp:	88619
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	16.6



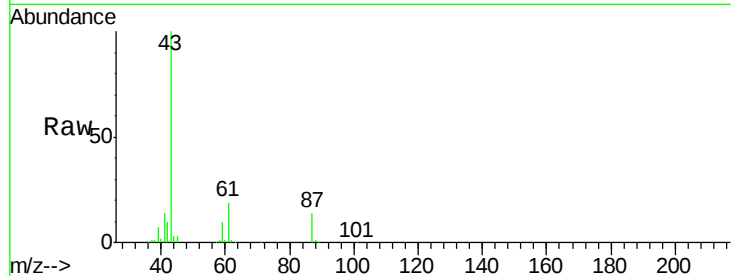


#43

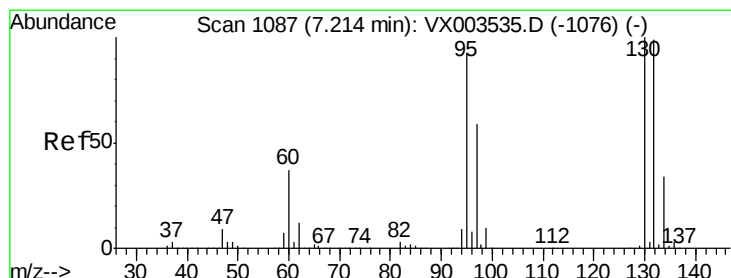
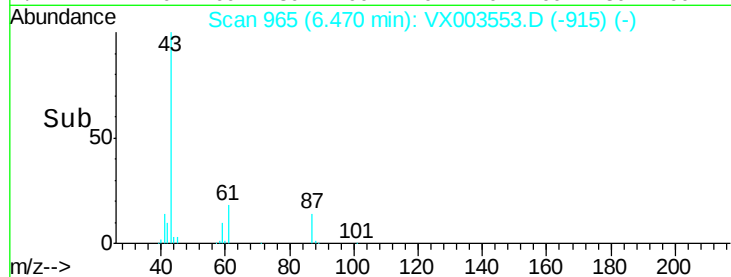
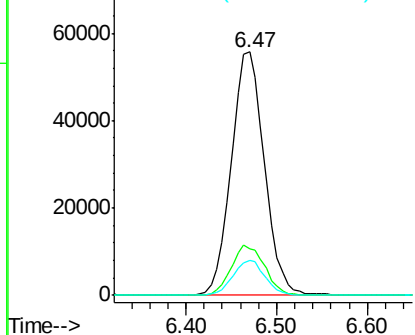
Isopropyl Acetate
 Concen: 23.24 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Instrument :
 MSVOA_X
 ClientSampled :
 VX0721WBSD01

Tot Ion: 43 Resp: 141250
 Ion Ratio Lower Upper
 43 100
 61 20.9 14.4 21.6
 87 14.0 9.5 14.3



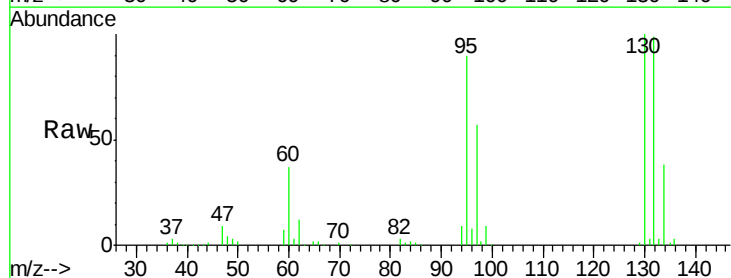
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



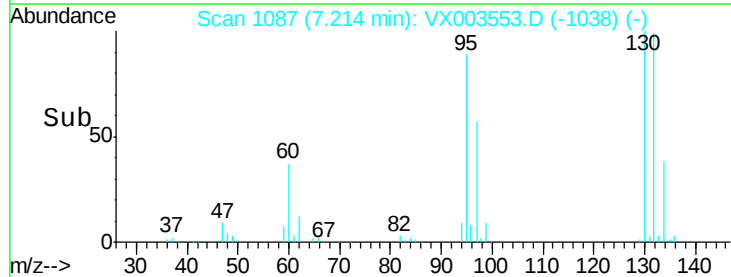
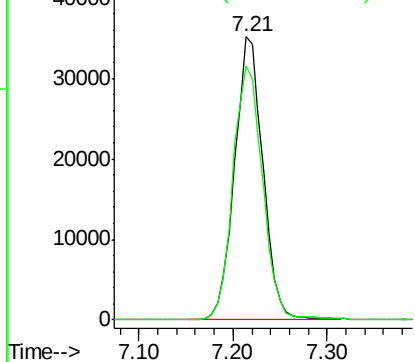
#44

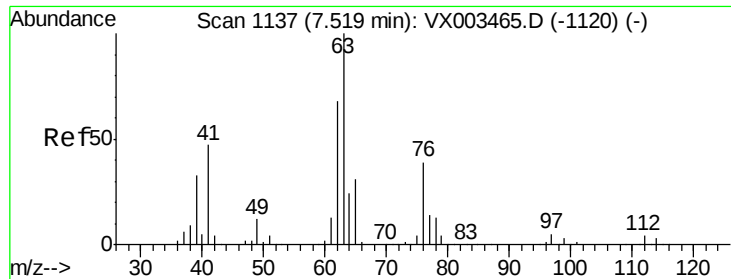
Trichloroethene
 Concen: 20.32 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Tgt Ion: 130 Resp: 73870
 Ion Ratio Lower Upper
 130 100
 95 89.5 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: 21.91 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

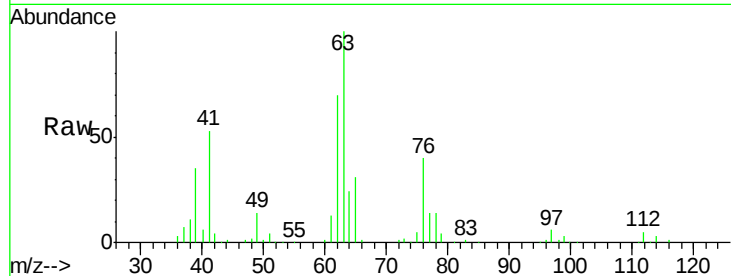
VX0721WBSD01

Tot Ion: 63 Resp: 67817

Ion Ratio Lower Upper

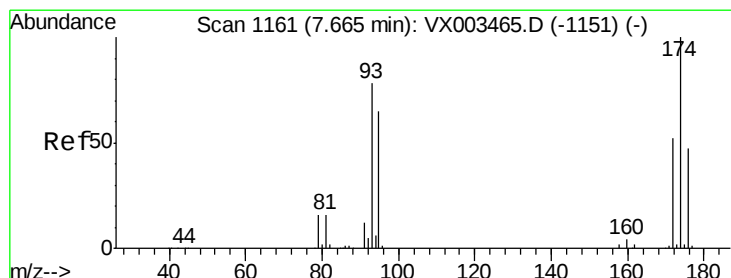
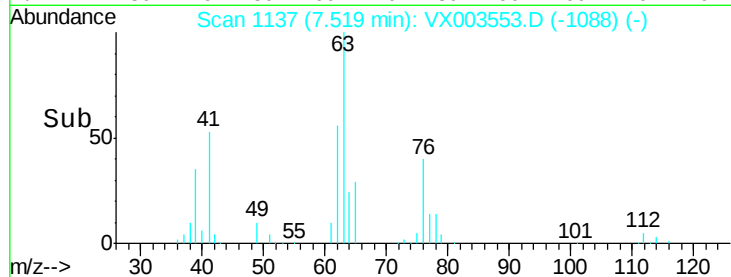
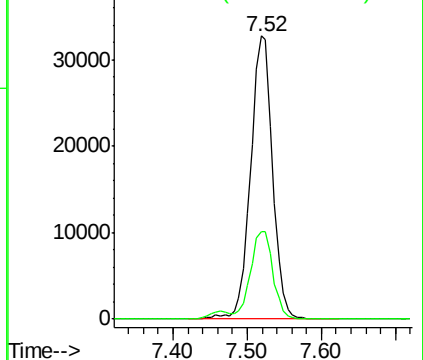
63 100

65 31.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 22.58 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

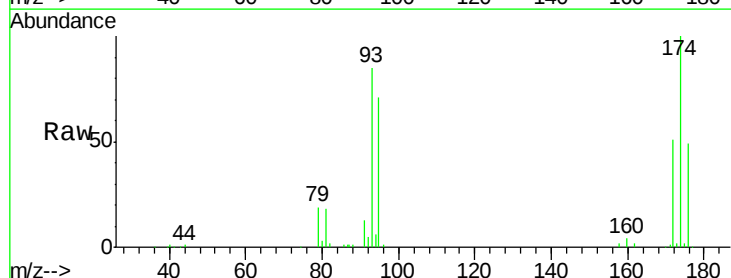
Tgt Ion: 93 Resp: 44998

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

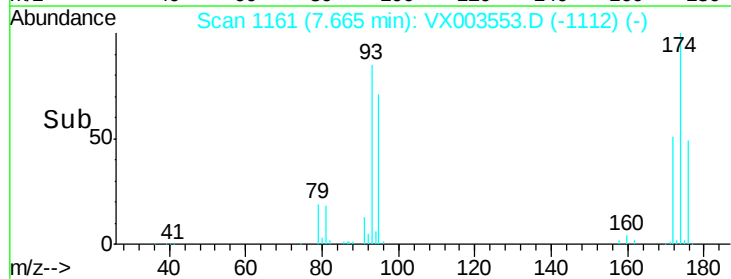
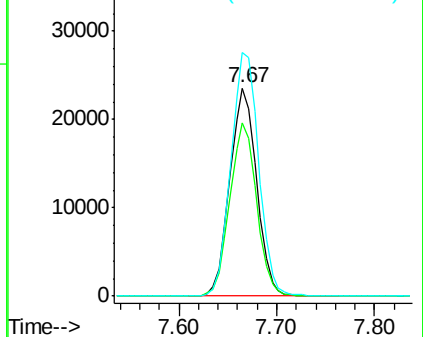
174 120.6 92.4 138.6

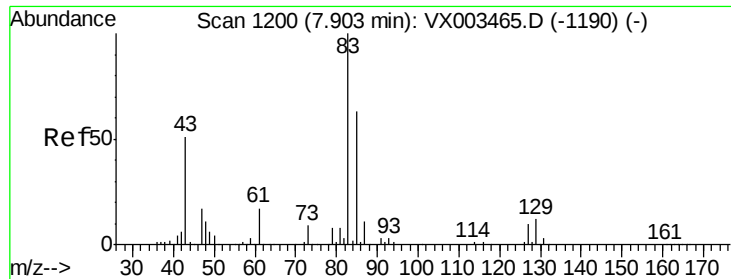


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.52 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

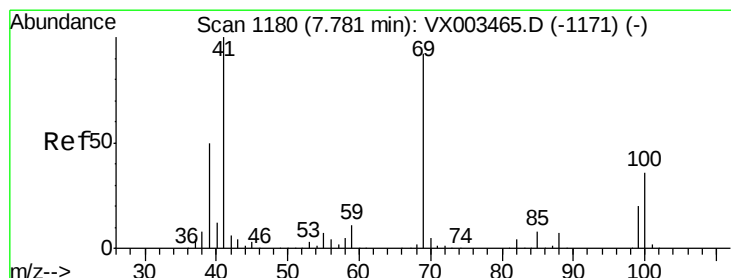
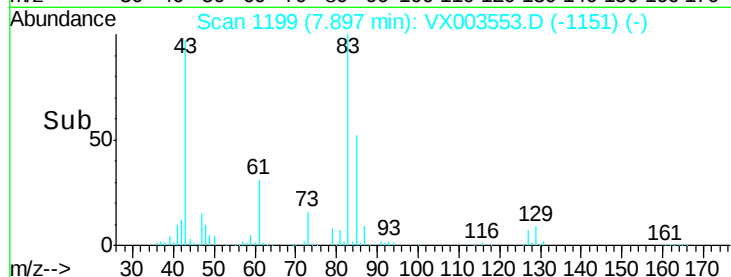
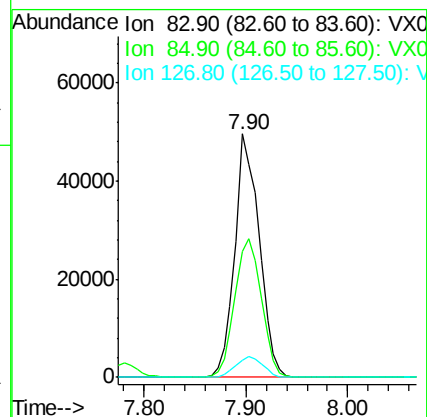
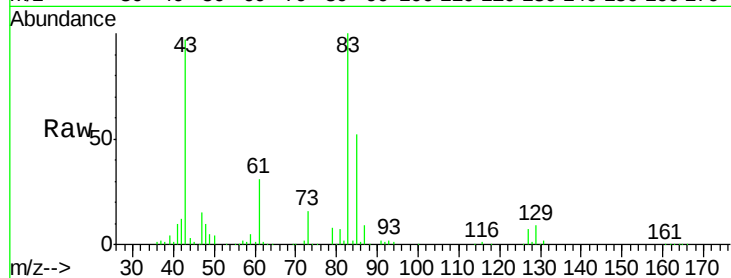
Tot Ion: 83 Resp: 82165

Ion Ratio Lower Upper

83 100

85 51.7 50.3 75.5

127 6.8 7.0 10.4#



#48

Methyl methacrylate

Concen: 23.29 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

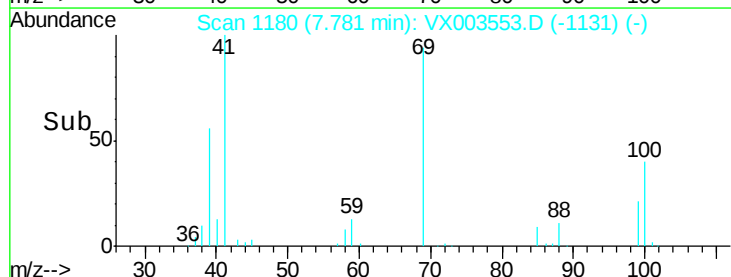
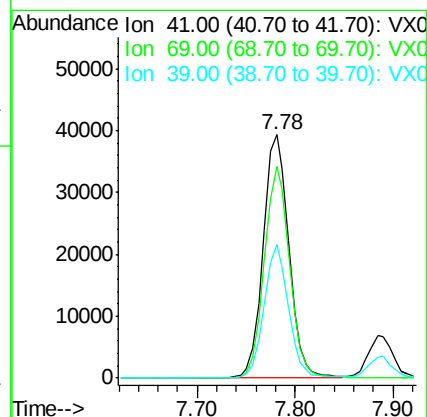
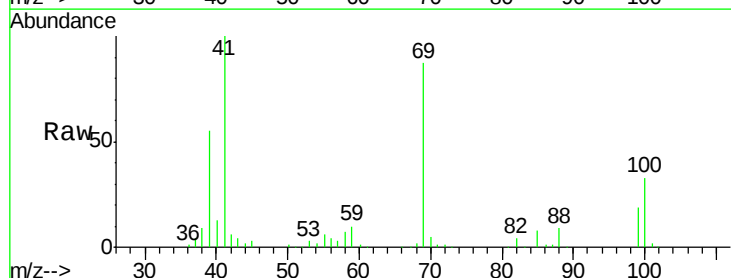
Tgt Ion: 41 Resp: 71360

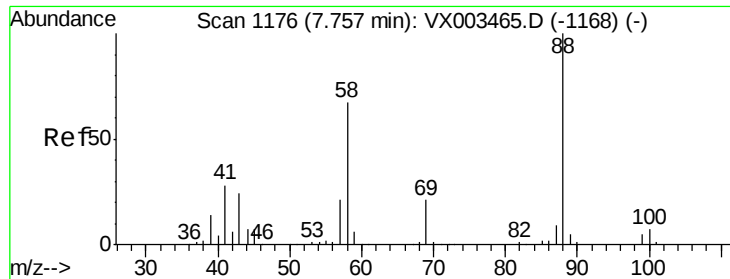
Ion Ratio Lower Upper

41 100

69 86.2 59.1 88.7

39 52.7 48.9 73.3

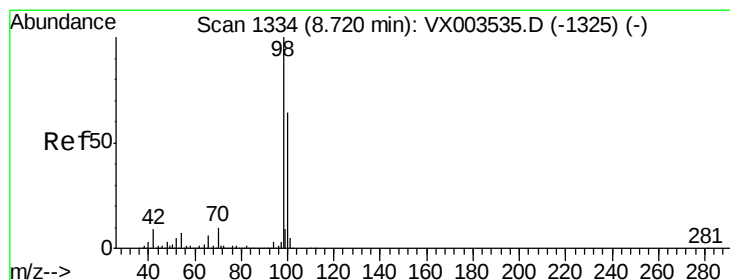
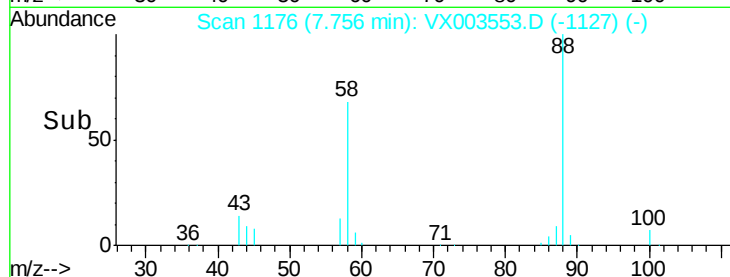
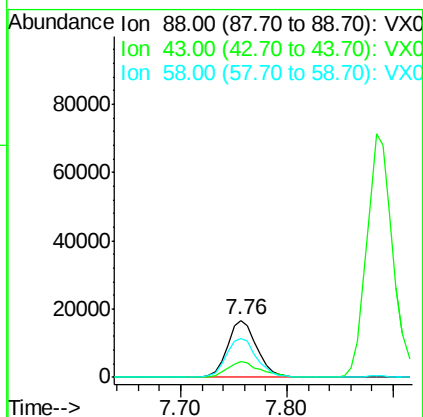
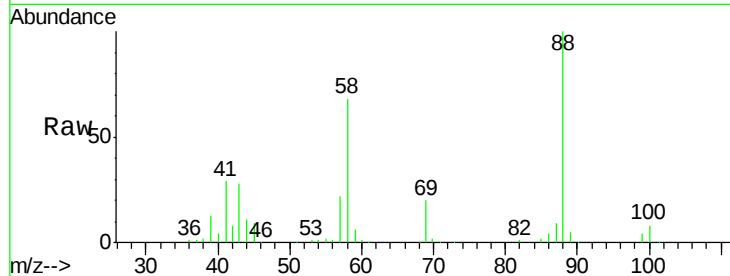




#49
1,4-Dioxane
Concen: 460.70 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

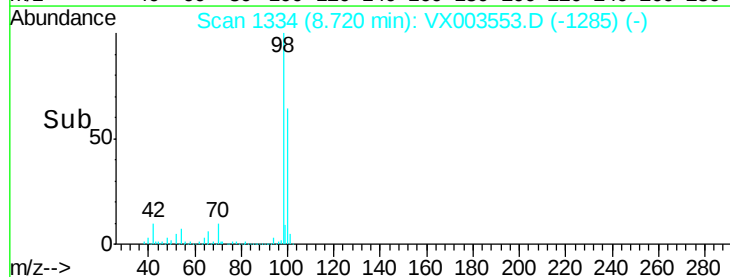
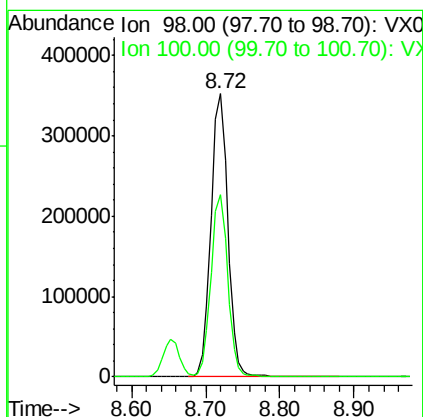
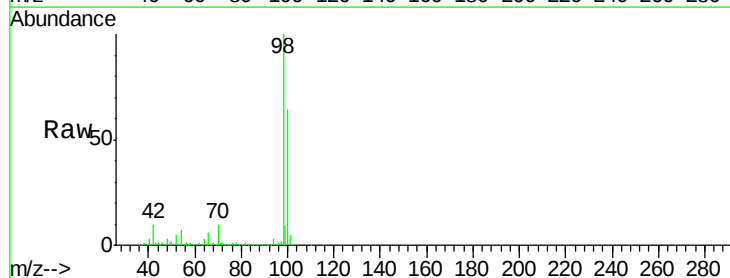
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

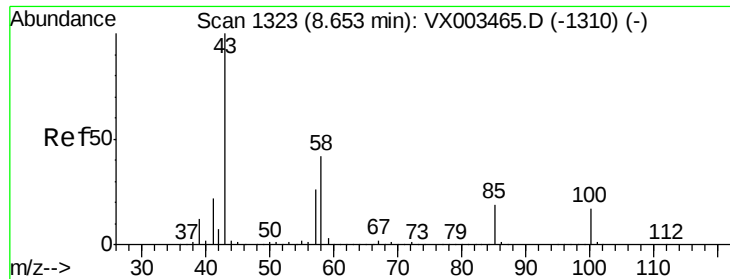
Tot Ion: 88 Resp: 31990
Ion Ratio Lower Upper
88 100
43 33.3 29.8 44.6
58 72.2 57.1 85.7



#50
Toluene-d8
Concen: 51.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion: 98 Resp: 550329
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 122.48 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

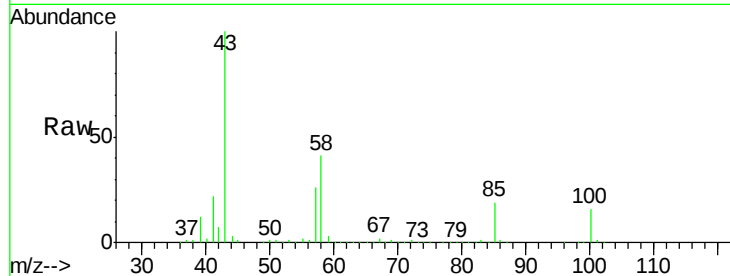
VX0721WBSD01

Tot Ion: 43 Resp: 470237

Ion Ratio Lower Upper

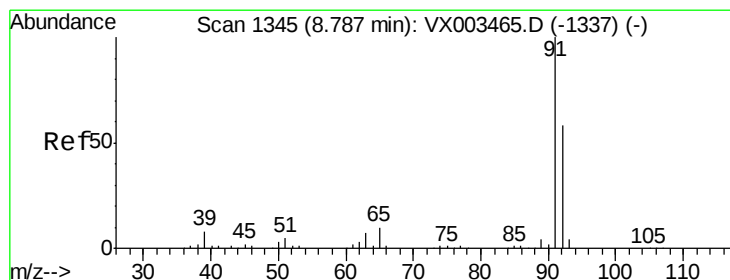
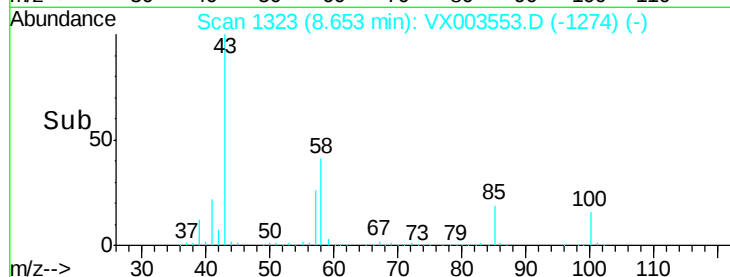
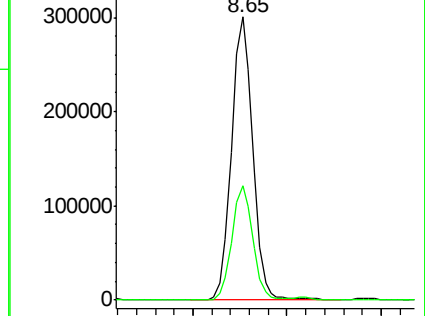
43 100

58 39.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.50 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003553.D

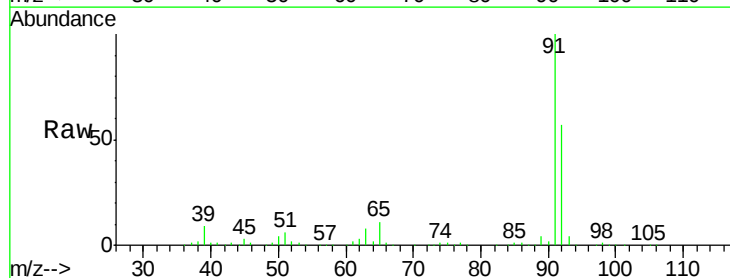
Acq: 21 Jul 2018 14:28

Tgt Ion: 92 Resp: 157302

Ion Ratio Lower Upper

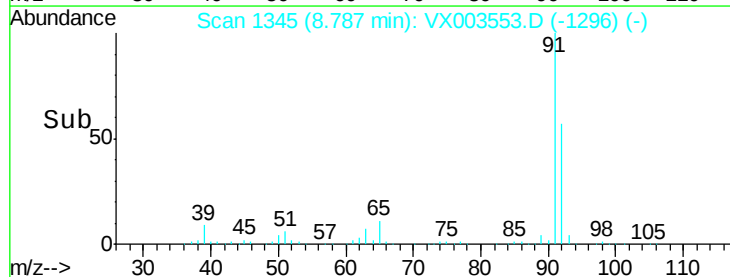
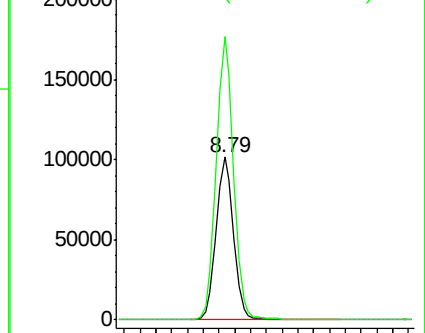
92 100

91 173.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 21.51 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

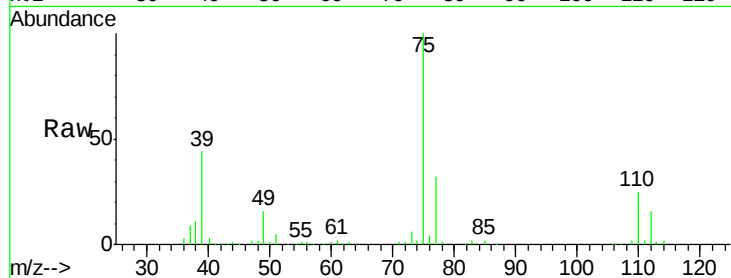
VX0721WBSD01

Tot Ion: 75 Resp: 96568

Ion Ratio Lower Upper

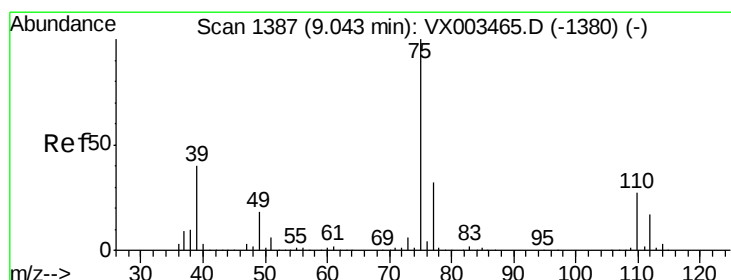
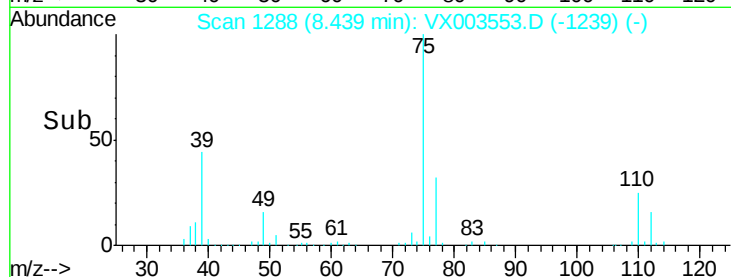
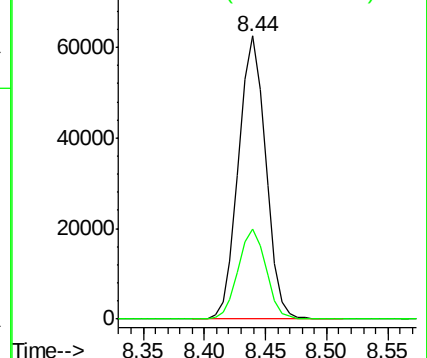
75 100

77 31.9 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: 21.75 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

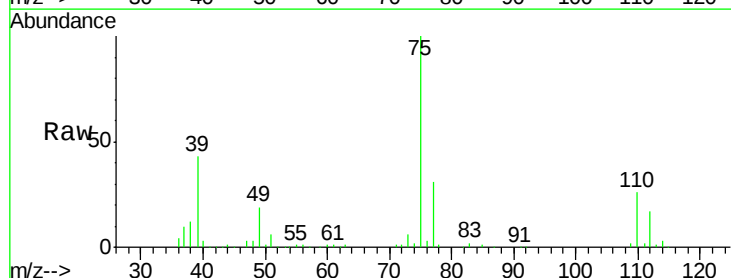
Tgt Ion: 75 Resp: 87824

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

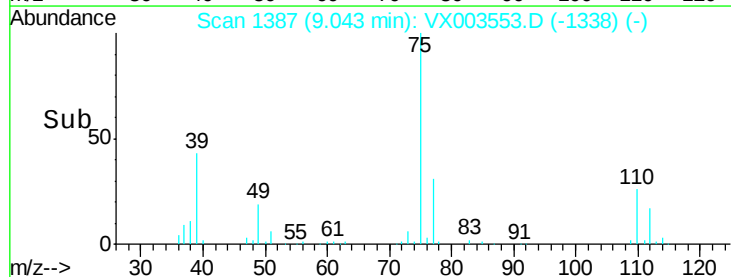
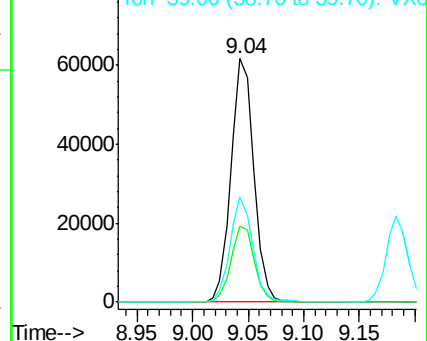
39 42.9 42.4 63.6

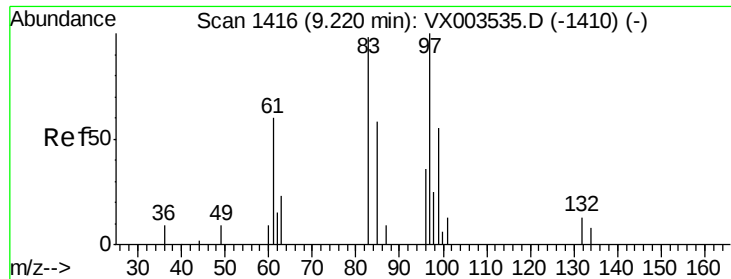


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

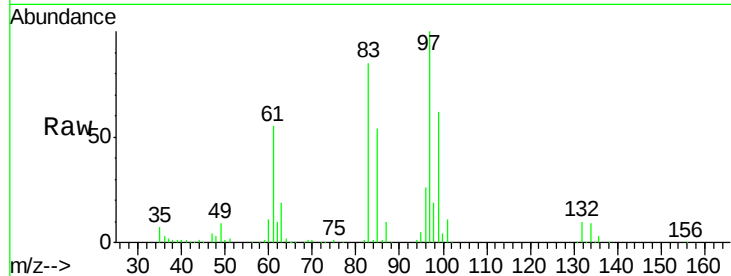




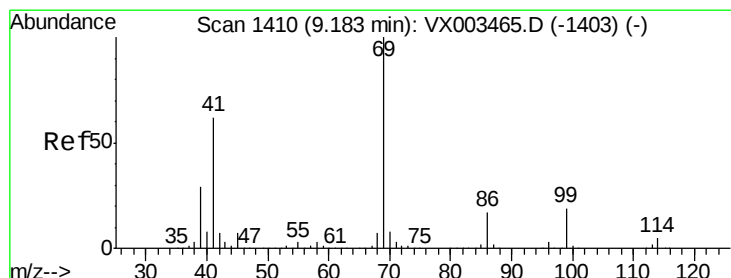
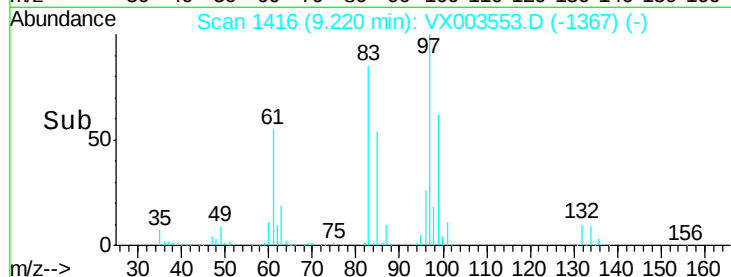
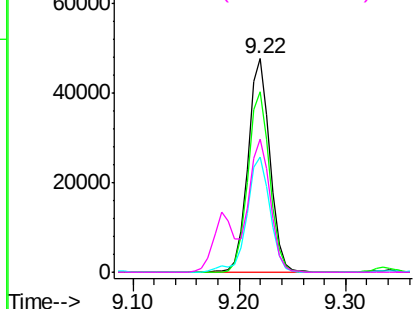
#55
 1,1,2-Trichloroethane
 Concen: 22.50 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD01

Tot Ion: 97 Resp: 68693
 Ion Ratio Lower Upper
 97 100
 83 84.5 70.2 105.2
 85 53.8 44.9 67.3
 99 62.4 49.8 74.8

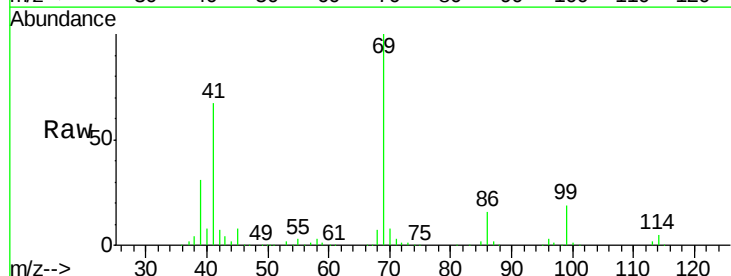


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

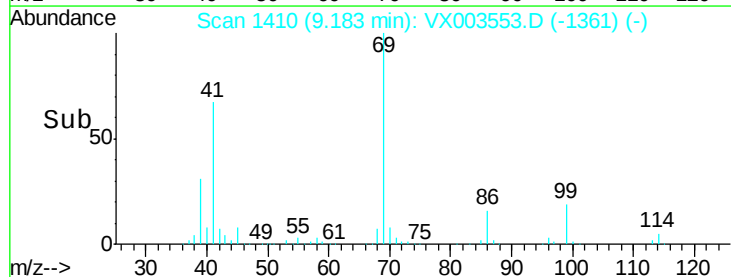
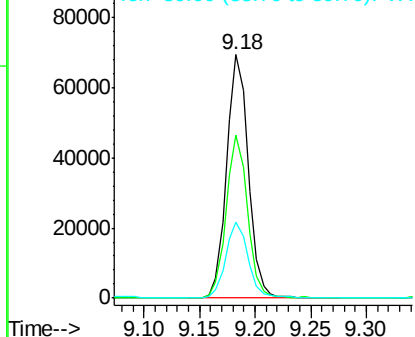


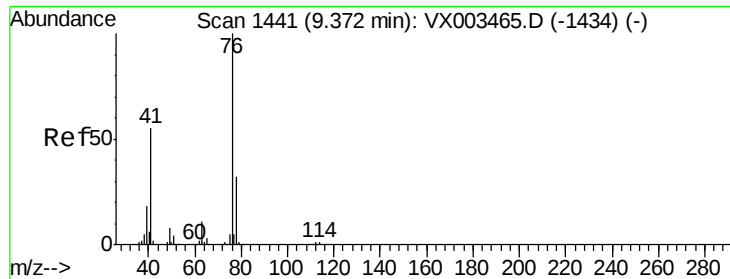
#56
 Ethyl methacrylate
 Concen: 21.87 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Tgt Ion: 69 Resp: 94033
 Ion Ratio Lower Upper
 69 100
 41 65.3 60.3 90.5
 39 31.9 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: 22.61 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

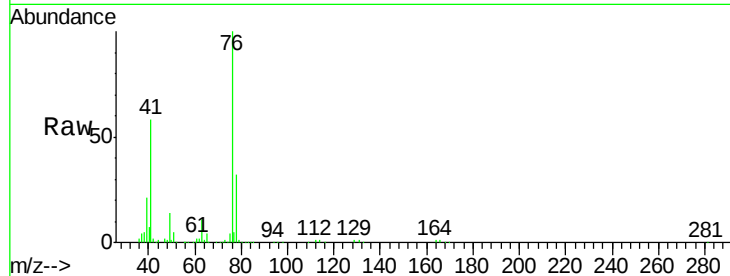
VX0721WBSD01

Tot Ion: 76 Resp: 111572

Ion Ratio Lower Upper

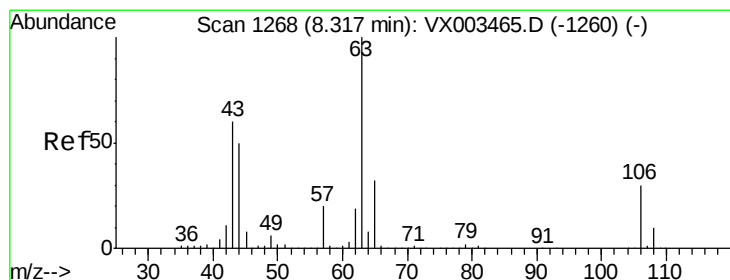
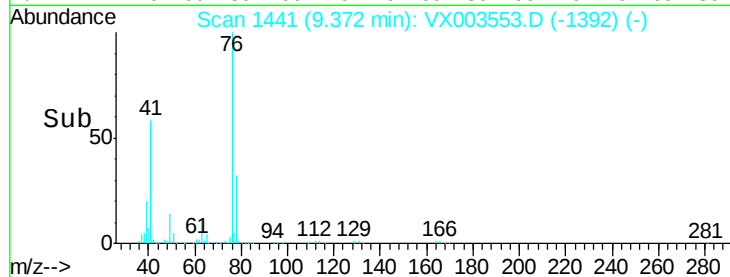
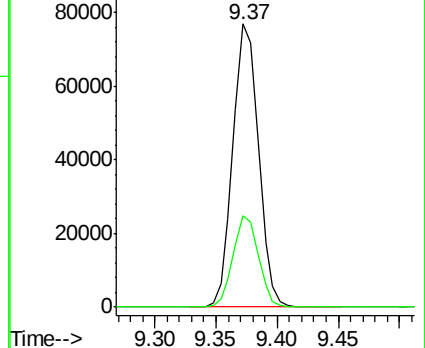
76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 113.47 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003553.D

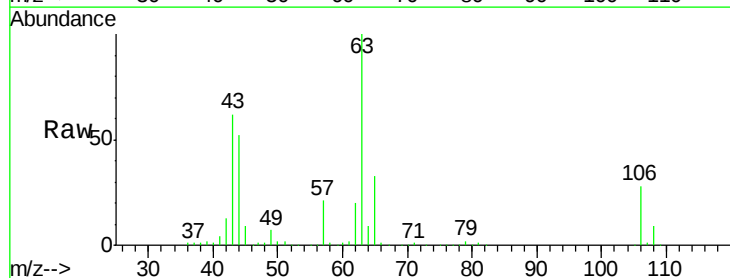
Acq: 21 Jul 2018 14:28

Tgt Ion: 63 Resp: 237263

Ion Ratio Lower Upper

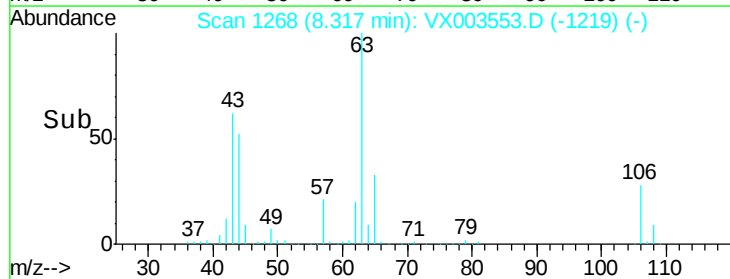
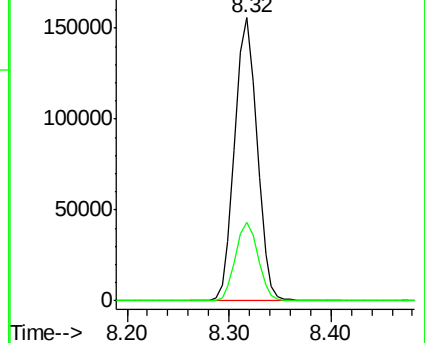
63 100

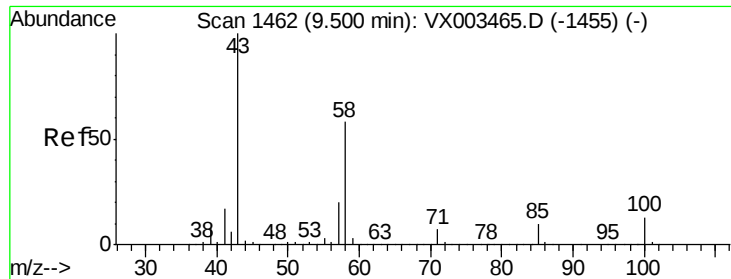
106 27.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

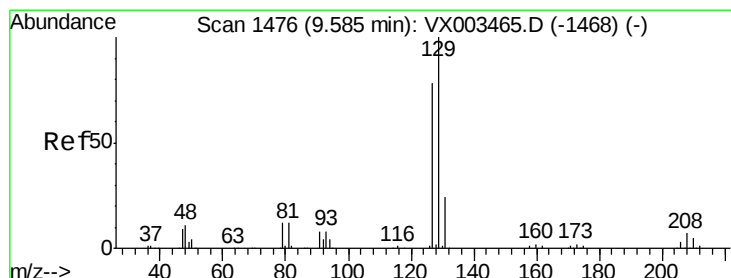
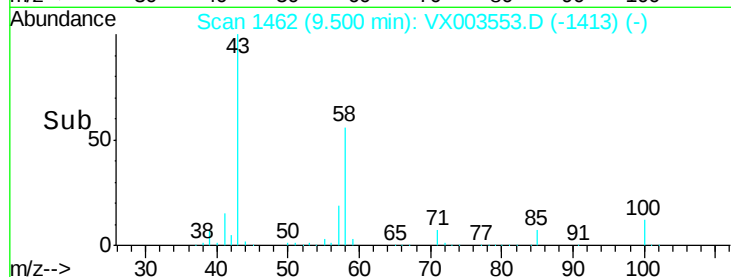
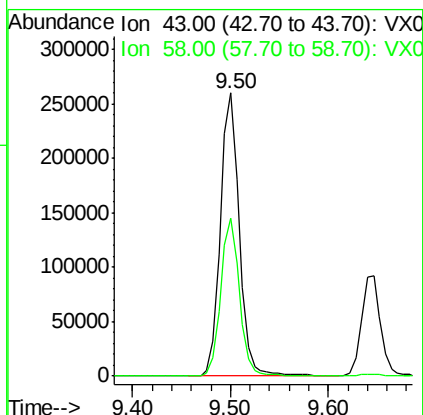
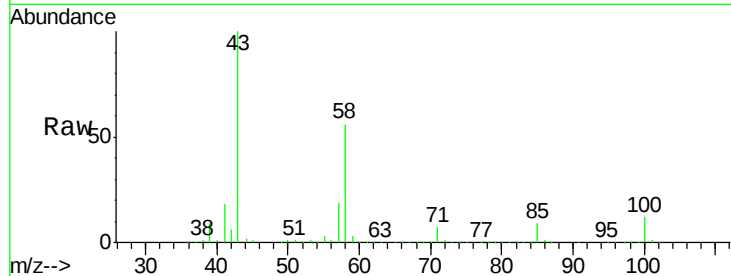




#59
2-Hexanone
Concen: 122.73 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

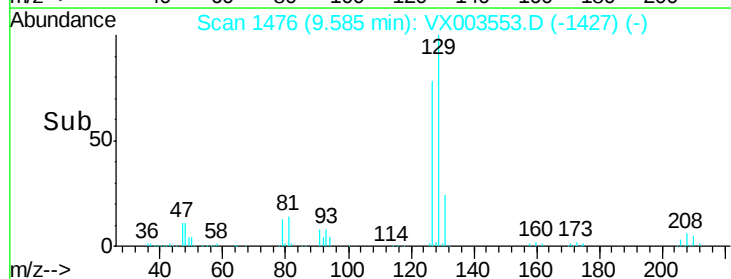
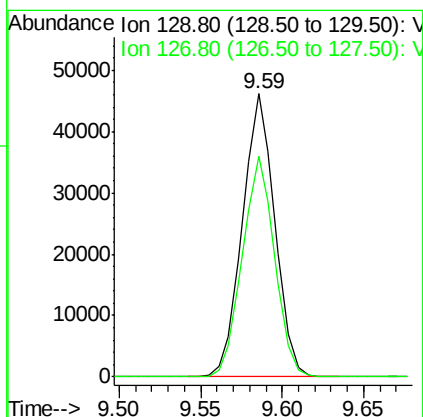
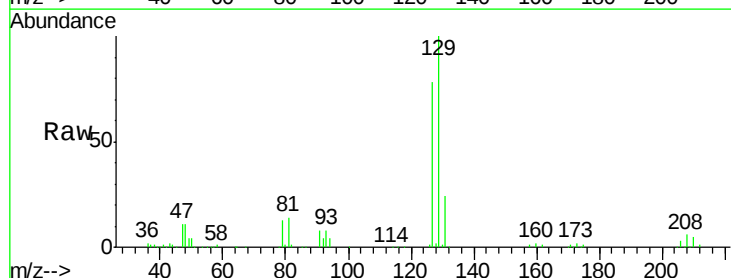
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

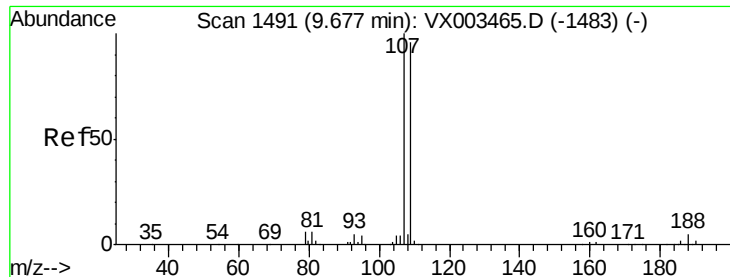
Tot Ion: 43 Resp: 349124
Ion Ratio Lower Upper
43 100
58 55.3 24.6 73.6



#60
Dibromochloromethane
Concen: 21.17 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion:129 Resp: 63988
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 22.18 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

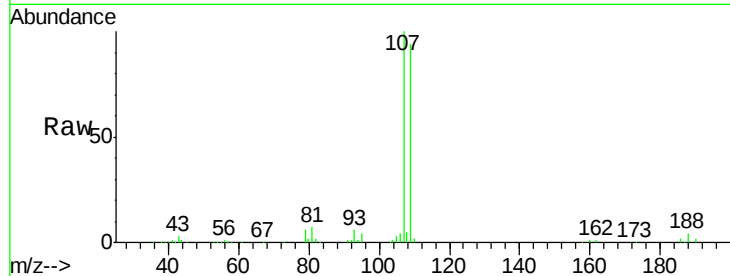
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

Tot Ion:107 Resp: 70202

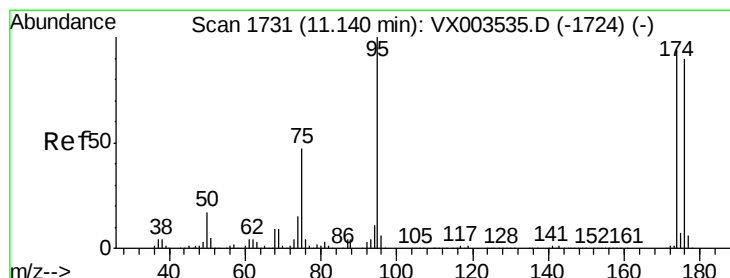
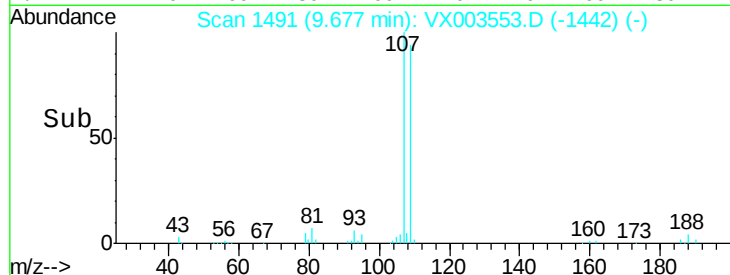
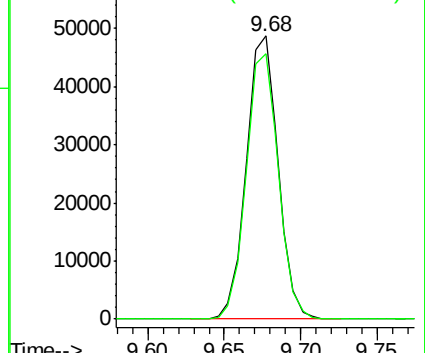
Ion Ratio Lower Upper

107 100

109 95.3 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: 50.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

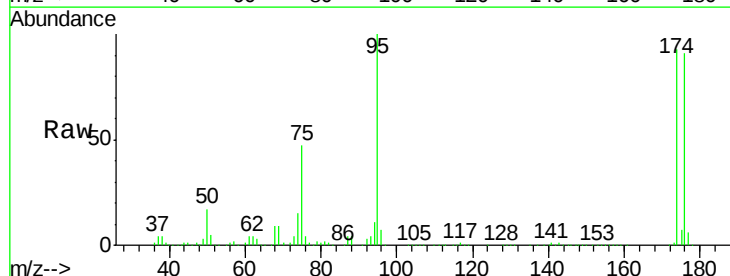
Tgt Ion: 95 Resp: 198479

Ion Ratio Lower Upper

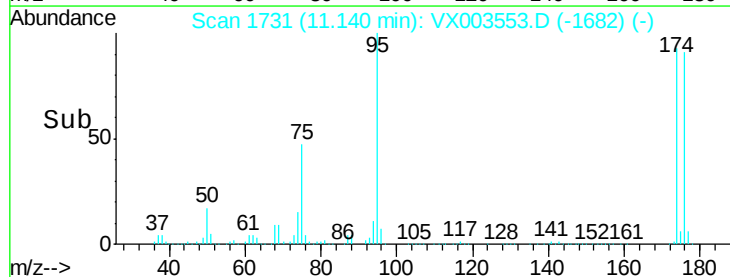
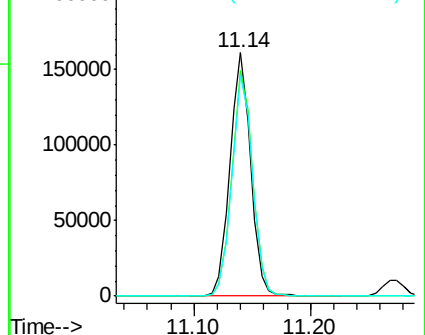
95 100

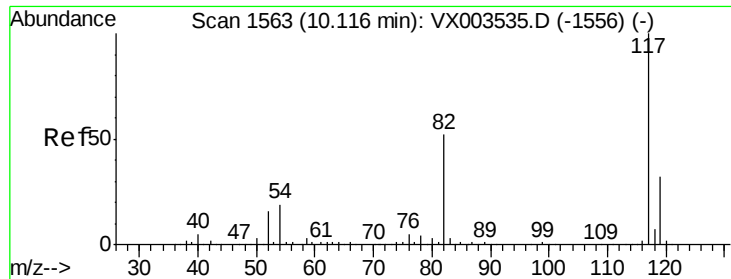
174 93.6 0.0 187.4

176 91.4 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

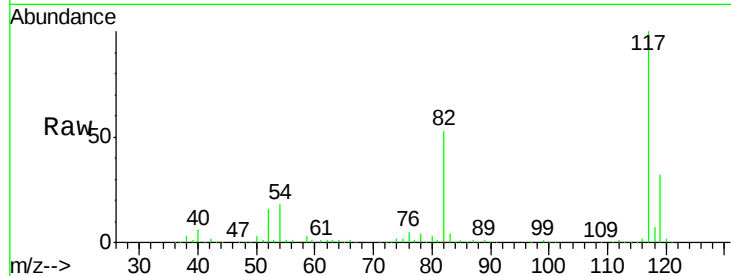




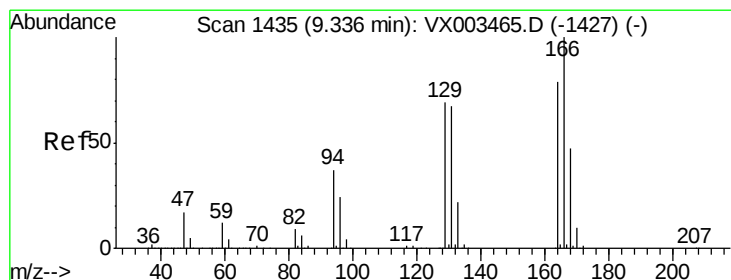
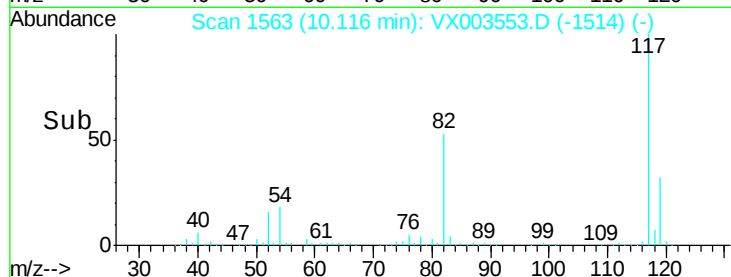
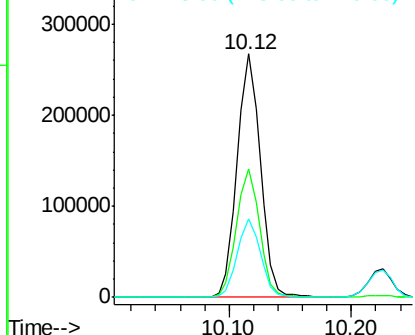
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

Tot Ion:117 Resp: 352566
Ion Ratio Lower Upper
117 100
82 52.9 45.0 67.4
119 32.4 25.8 38.6

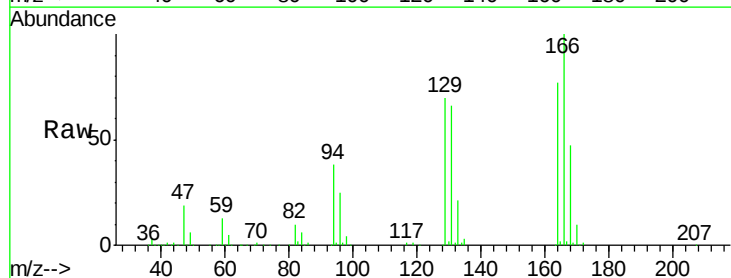


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

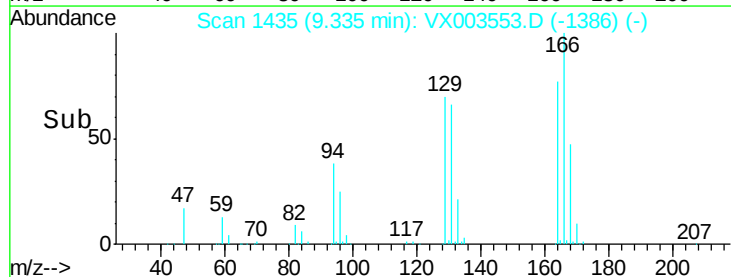
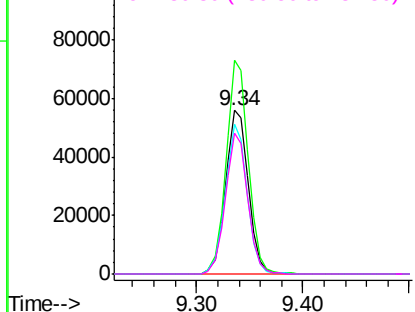


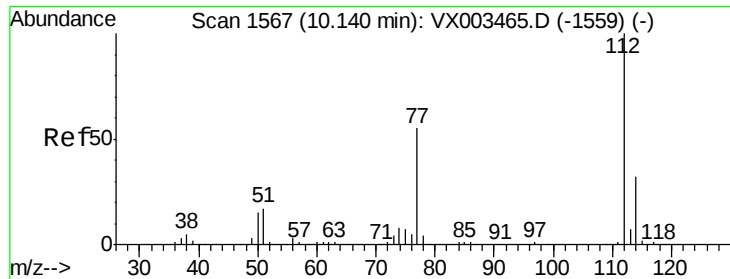
#64
Tetrachloroethene
Concen: 19.36 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion:164 Resp: 83141
Ion Ratio Lower Upper
164 100
166 130.5 102.9 154.3
129 91.8 68.6 102.8
131 85.8 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: 19.77 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

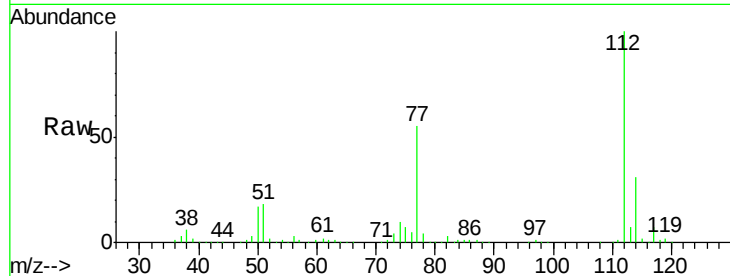
VX0721WBSD01

Tot Ion:112 Resp: 179623

Ion Ratio Lower Upper

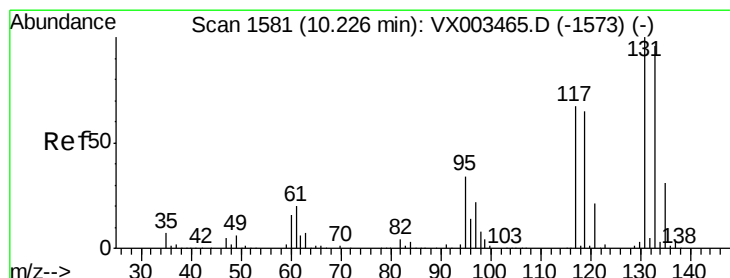
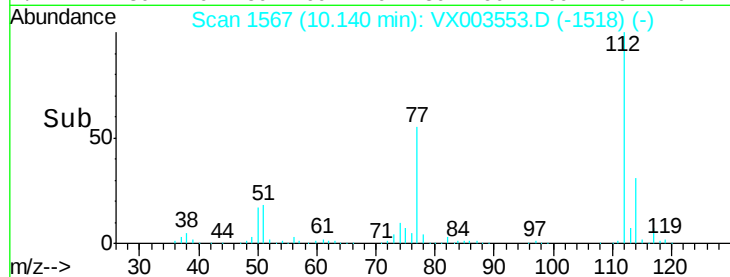
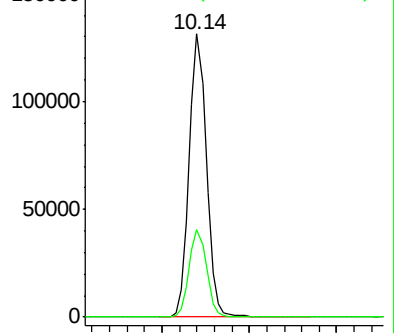
112 100

114 31.1 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.34 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

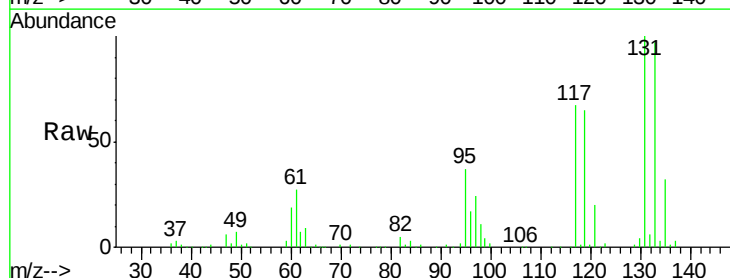
Tgt Ion:131 Resp: 63561

Ion Ratio Lower Upper

131 100

133 96.3 47.9 143.6

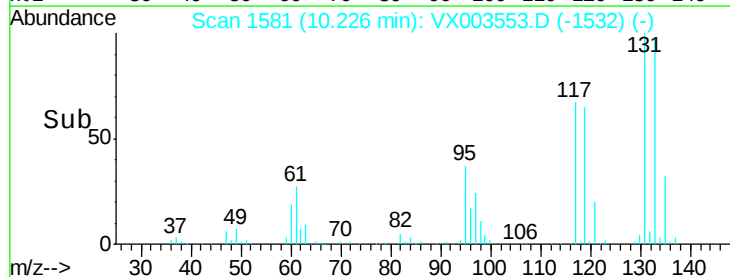
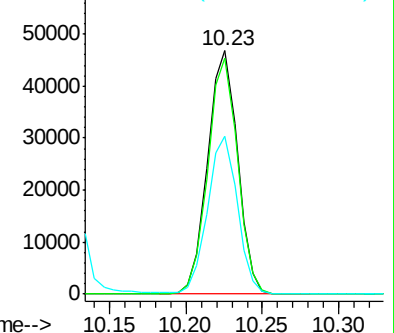
119 64.8 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

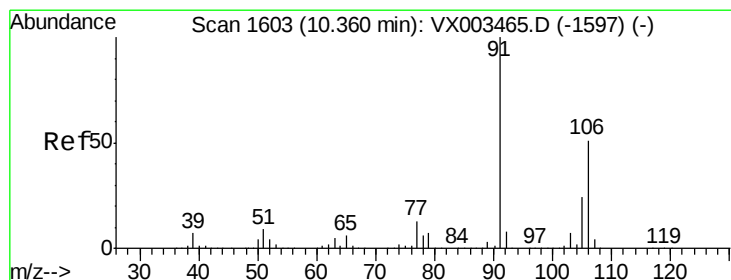
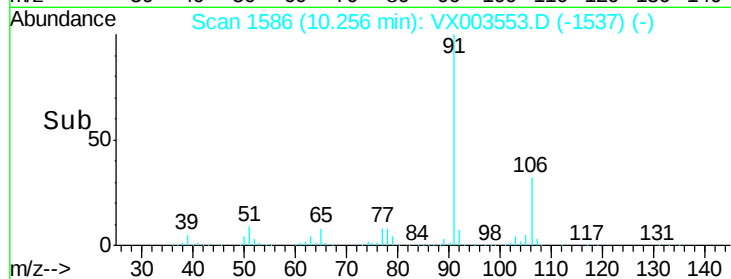
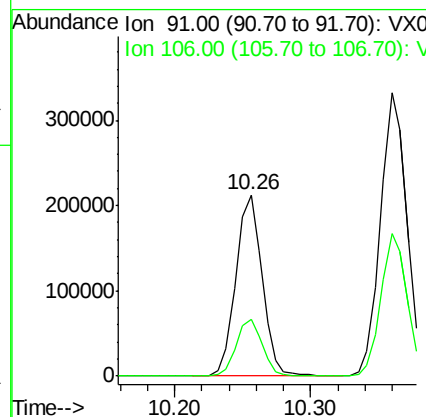
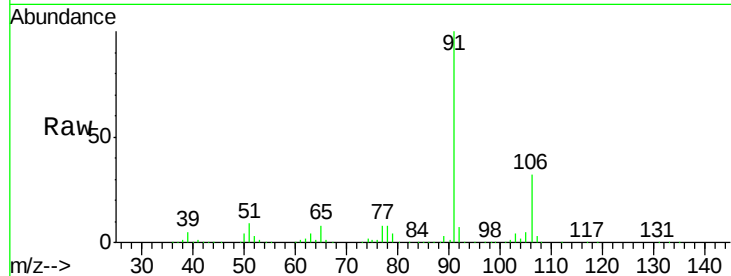




#67
Ethyl Benzene
Concen: 19.69 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

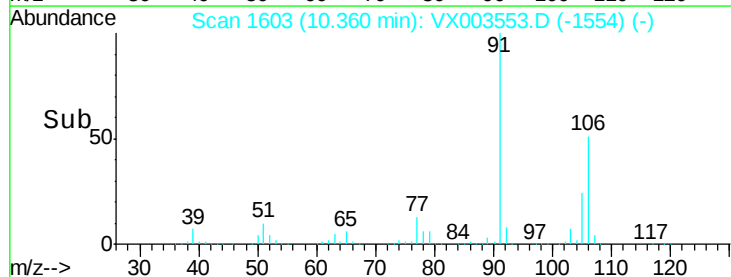
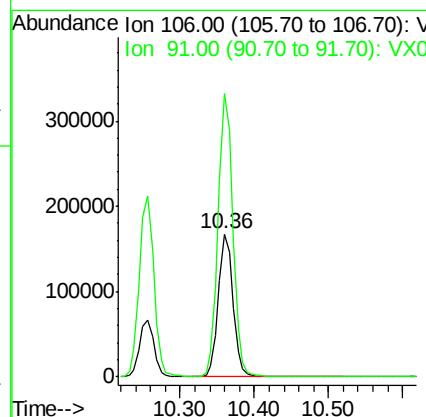
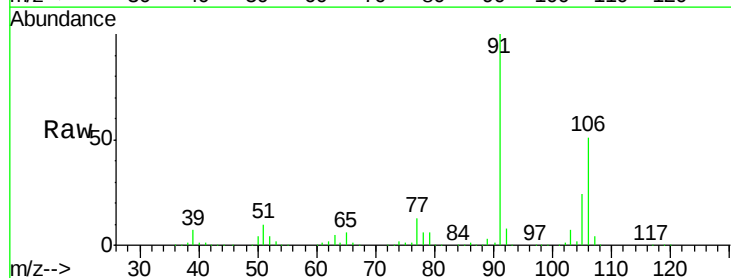
Instrument :
MSVOA_X
ClientSampled :
VX0721WBSD01

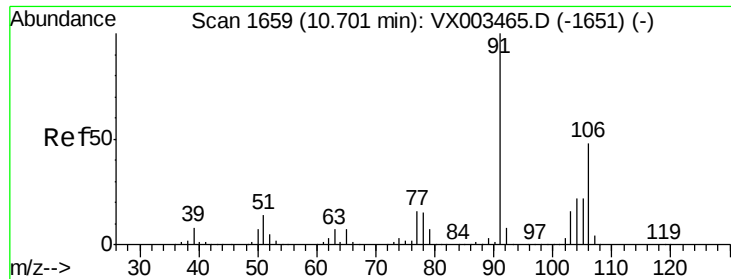
Tot Ion: 91 Resp: 287619
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 39.66 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion:106 Resp: 227114
Ion Ratio Lower Upper
106 100
91 199.6 163.4 245.2

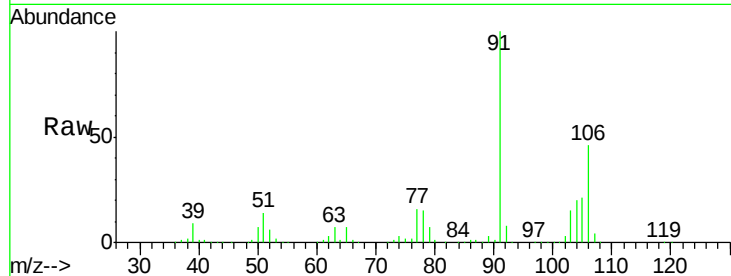




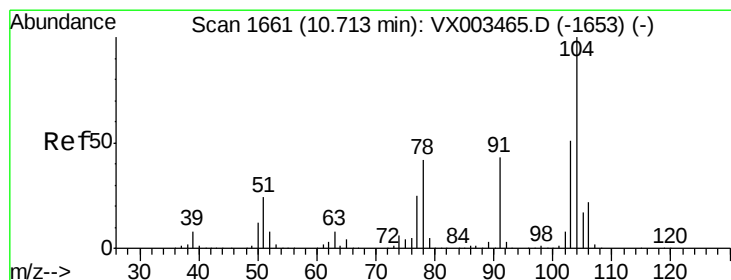
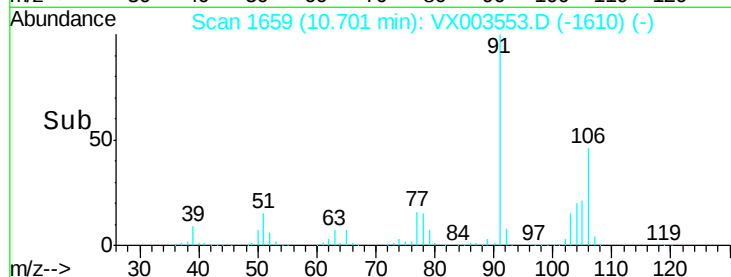
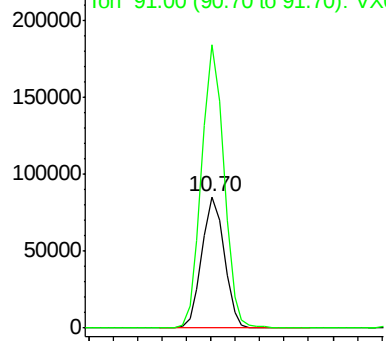
#69
o-Xylene
Concen: 19.79 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Instrument :
MSVOA_X
ClientSampled :
VX0721WBSD01

Tot Ion:106 Resp: 109594
Ion Ratio Lower Upper
106 100
91 214.3 108.2 324.6

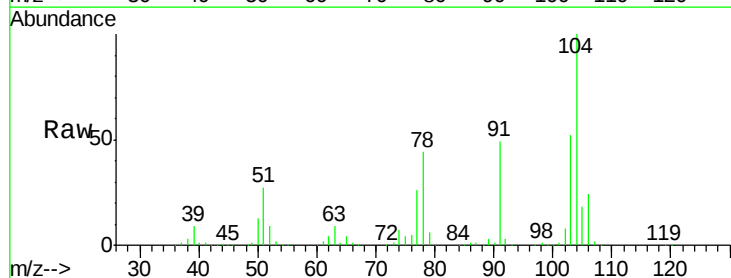


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

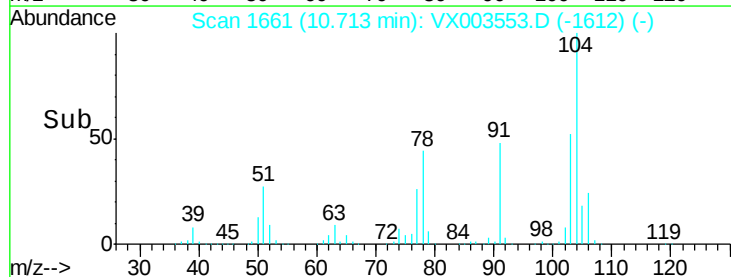
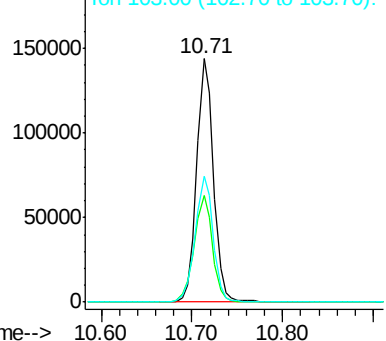


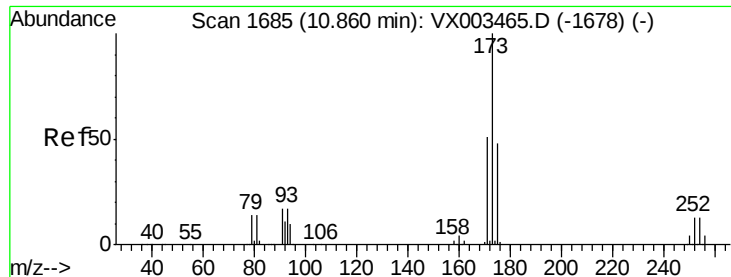
#70
Styrene
Concen: 20.40 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion:104 Resp: 185758
Ion Ratio Lower Upper
104 100
78 48.1 41.0 61.6
103 55.9 44.2 66.4



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





#71

Bromoform

Concen: 19.86 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

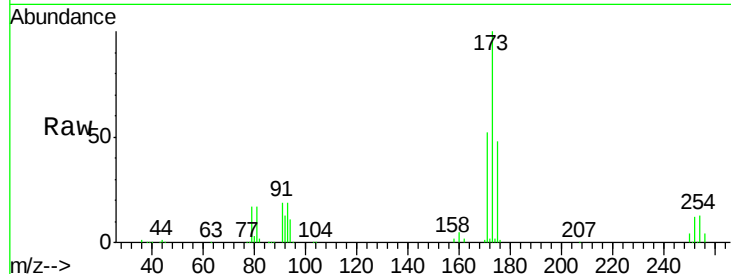
Tot Ion:173 Resp: 48227

Ion Ratio Lower Upper

173 100

175 49.0 24.7 74.1

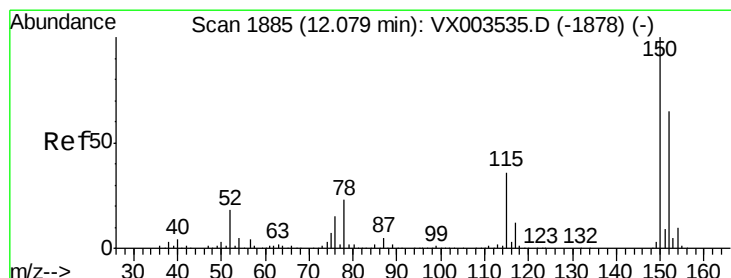
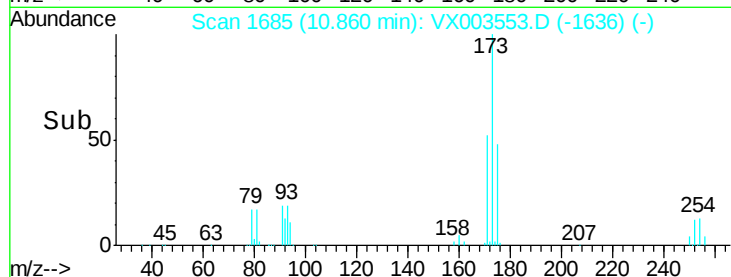
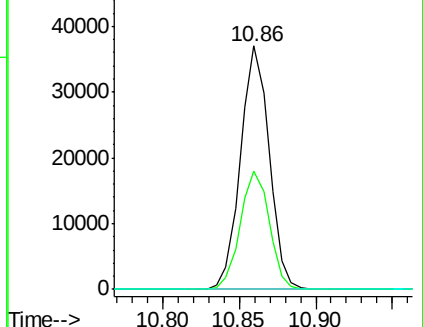
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

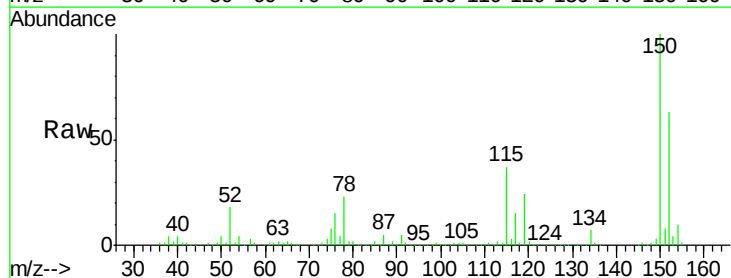
Tgt Ion:152 Resp: 206266

Ion Ratio Lower Upper

152 100

115 63.6 40.1 120.2

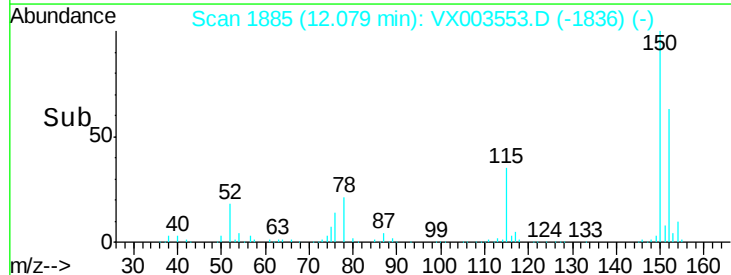
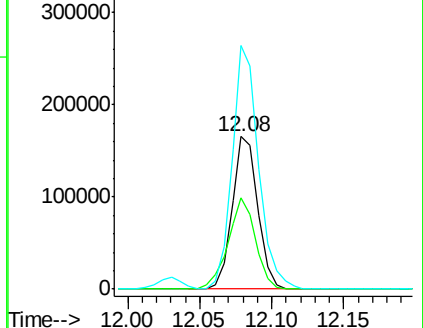
150 164.3 0.0 347.2



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: 20.43 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

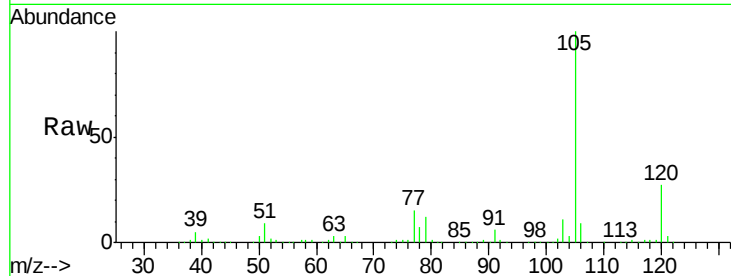
VX0721WBSD01

Tot Ion:105 Resp: 291489

Ion Ratio Lower Upper

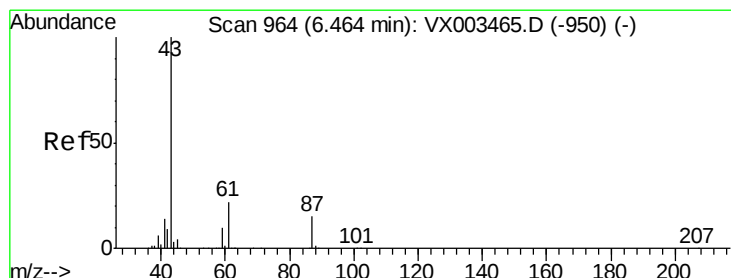
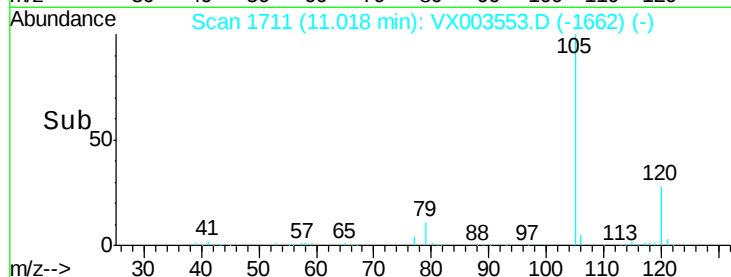
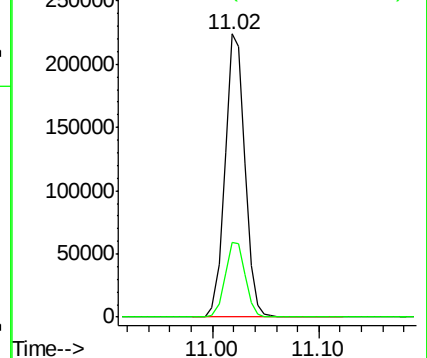
105 100

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: 23.32 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Tgt Ion: 43 Resp: 141250

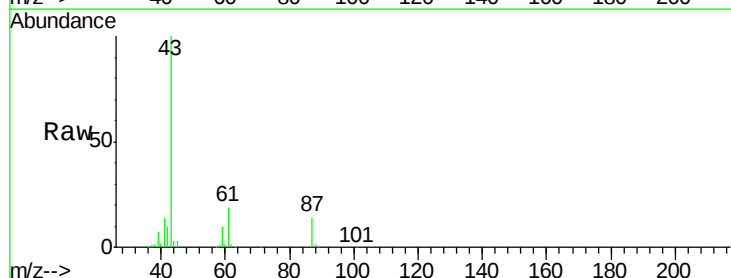
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.9 14.4 21.6

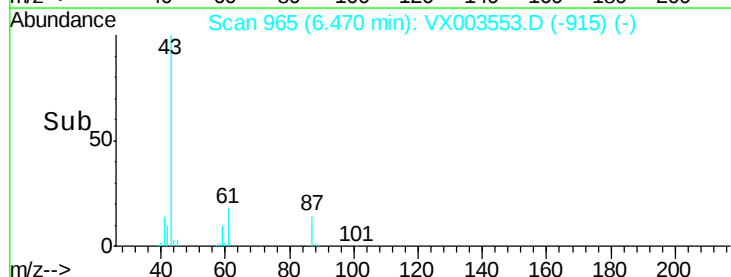
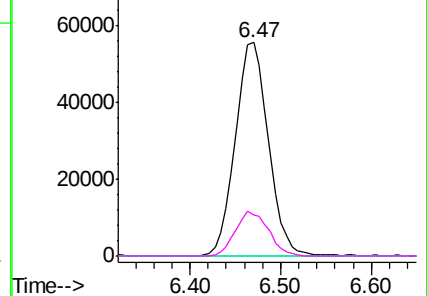


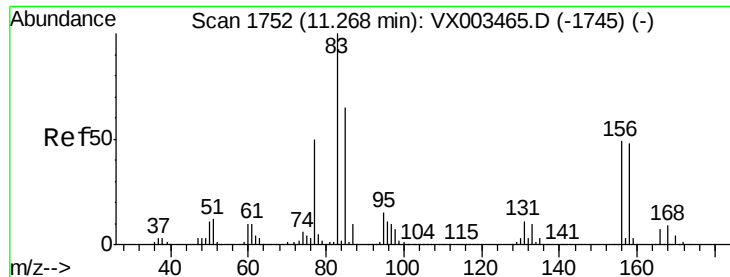
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.85 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

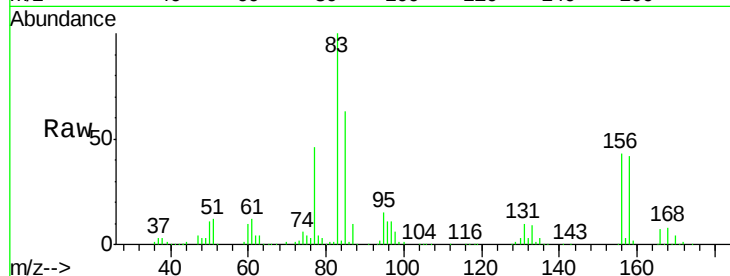
Tot Ion: 83 Resp: 95515

Ion Ratio Lower Upper

83 100

131 10.6 5.6 16.8

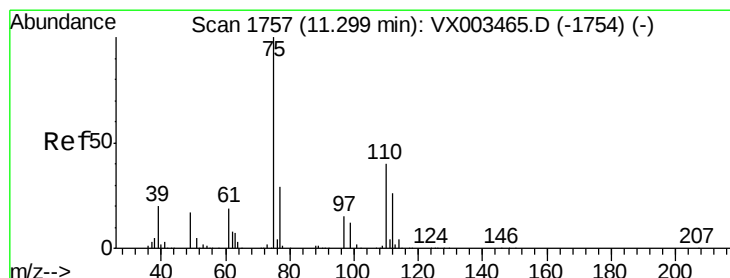
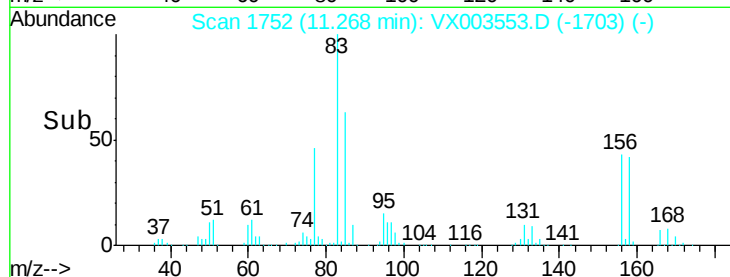
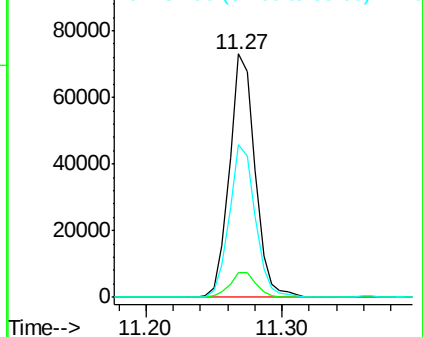
85 63.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 29.06 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003553.D

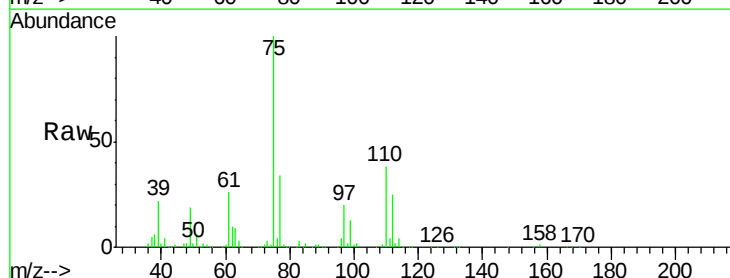
Acq: 21 Jul 2018 14:28

Tgt Ion: 75 Resp: 107676

Ion Ratio Lower Upper

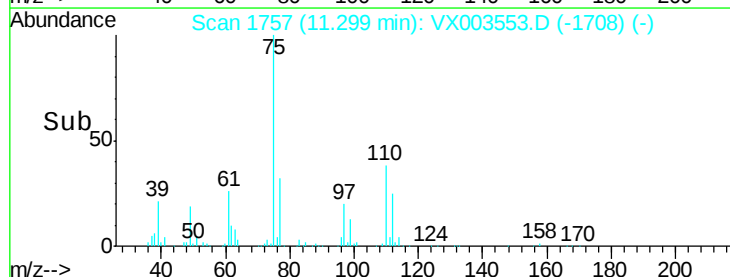
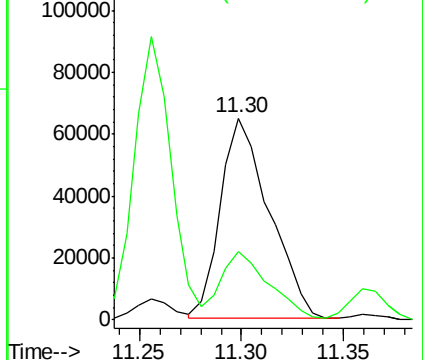
75 100

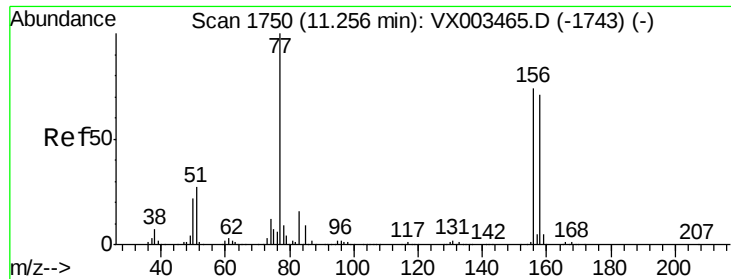
77 33.2 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.11 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

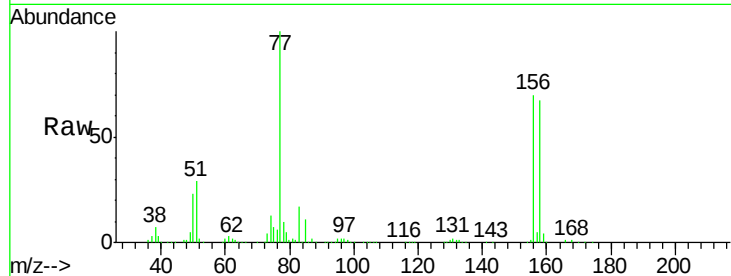
Tot Ion:156 Resp: 82519

Ion Ratio Lower Upper

156 100

77 139.9 71.4 214.2

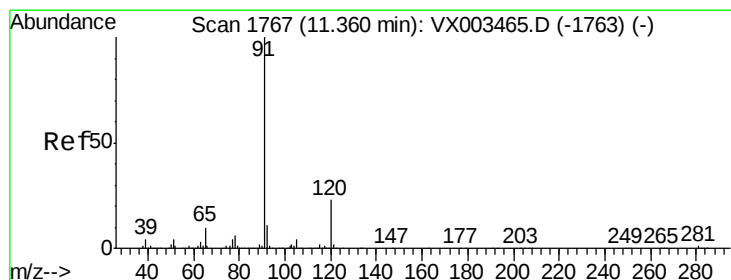
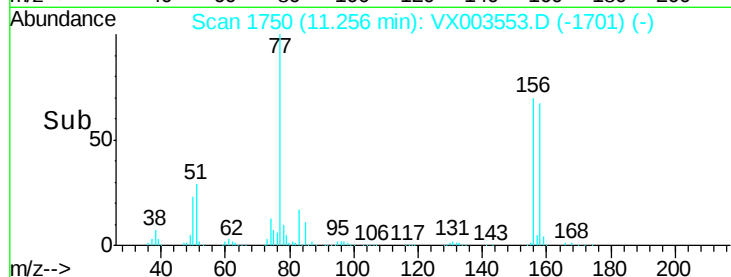
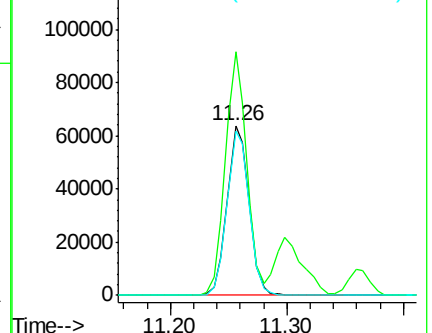
158 98.2 48.9 146.6



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: 20.55 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003553.D

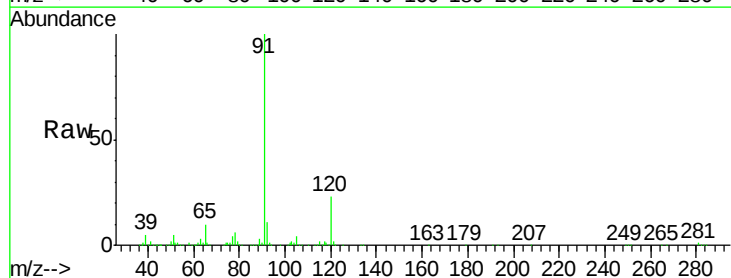
Acq: 21 Jul 2018 14:28

Tgt Ion: 91 Resp: 325914

Ion Ratio Lower Upper

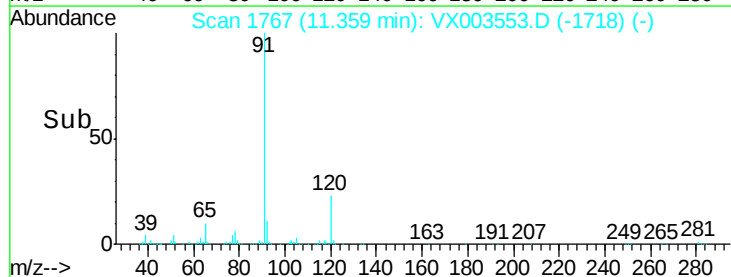
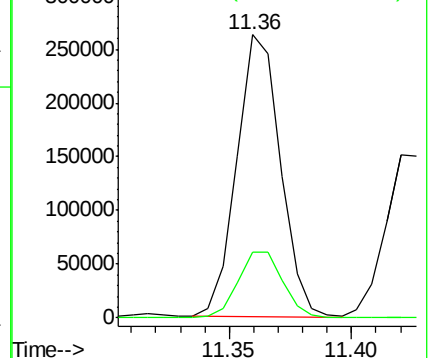
91 100

120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

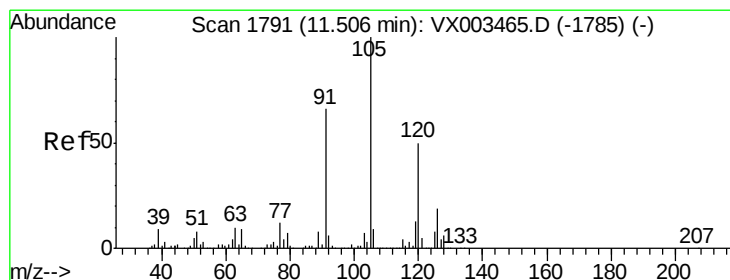
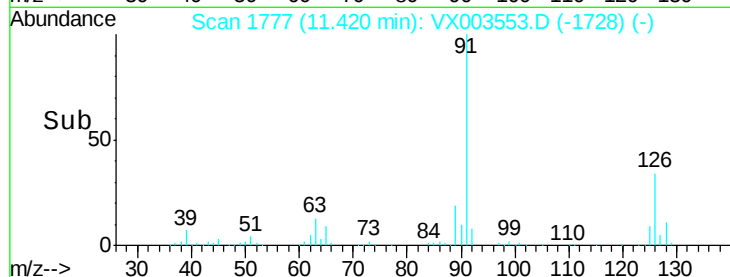
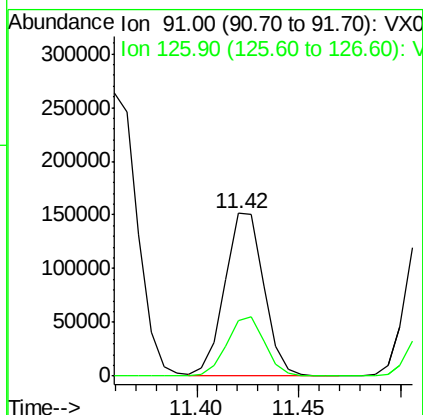
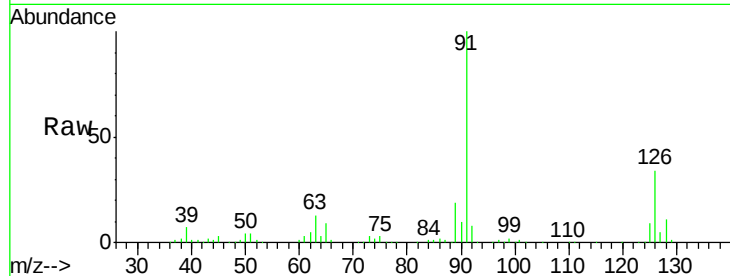




#79
 2-Chlorotoluene
 Concen: 20.68 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

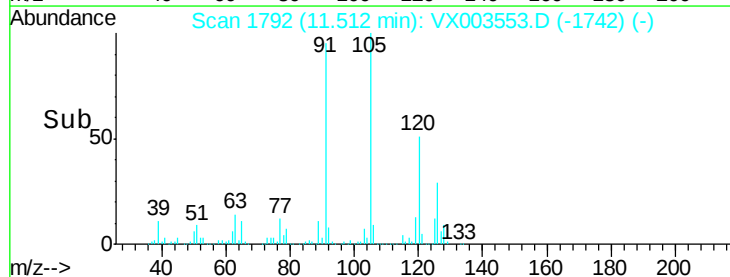
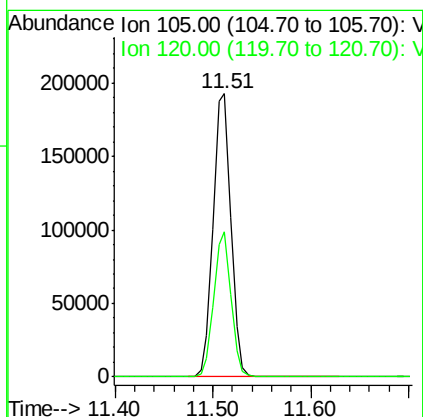
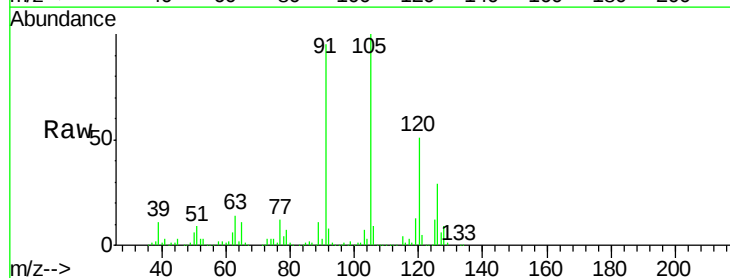
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD01

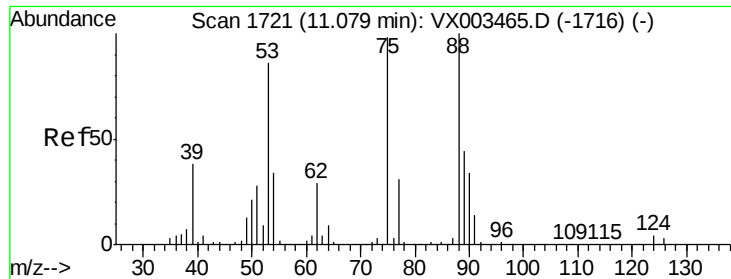
Tot Ion: 91 Resp: 199080
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.80 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Tgt Ion: 105 Resp: 243798
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.06 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

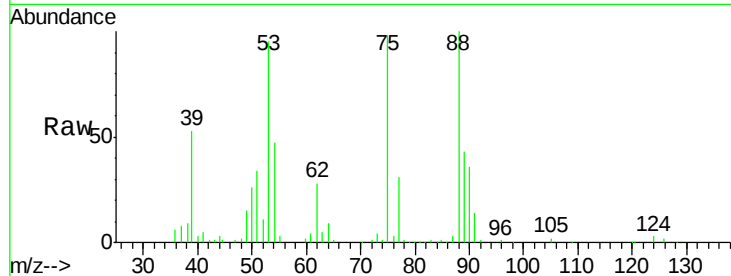
MSVOA_X

ClientSampleId :

VX0721WBSD01

Tot Ion: 75 Resp: 24227

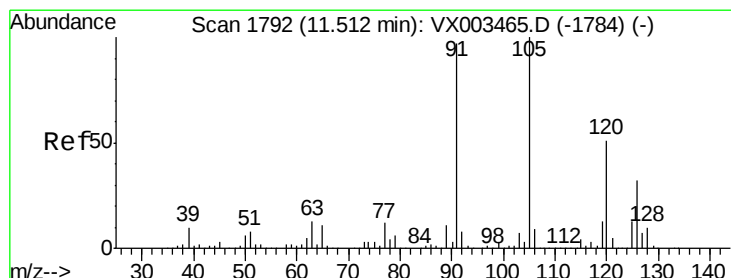
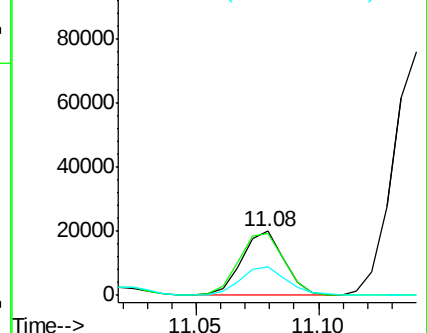
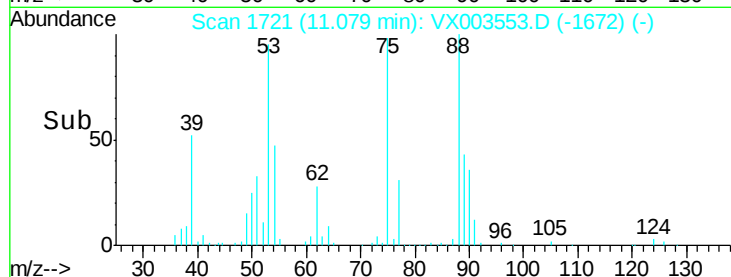
Ion	Ratio	Lower	Upper
75	100		
53	104.0	86.8	130.2
89	48.7	38.2	57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.55 ug/l

RT: 11.51 min Scan# 1792

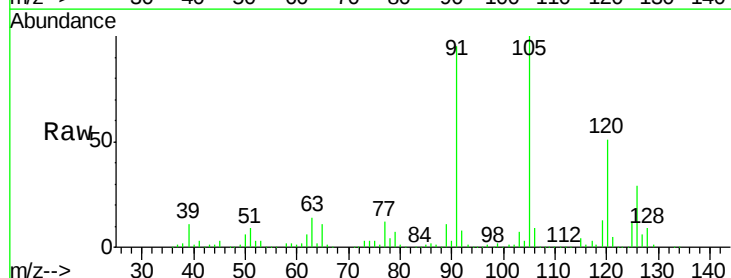
Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

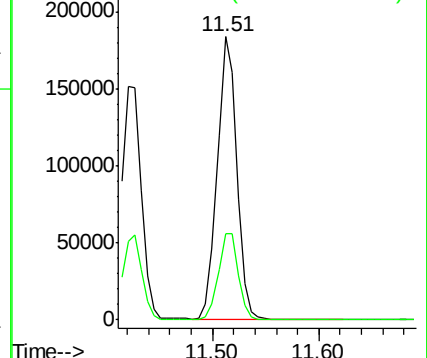
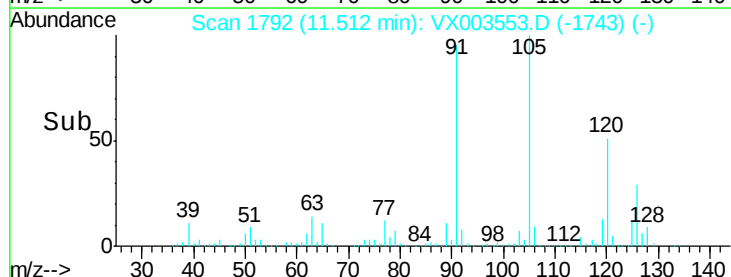
Tgt Ion: 91 Resp: 231755

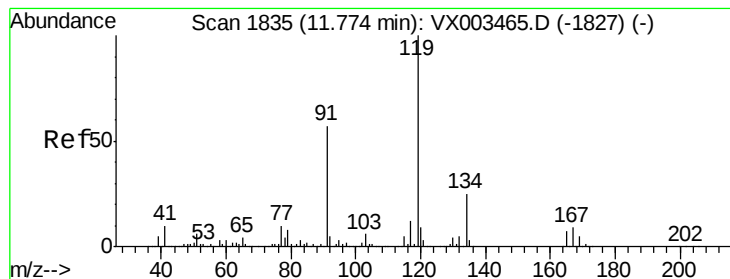
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.4	46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.98 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

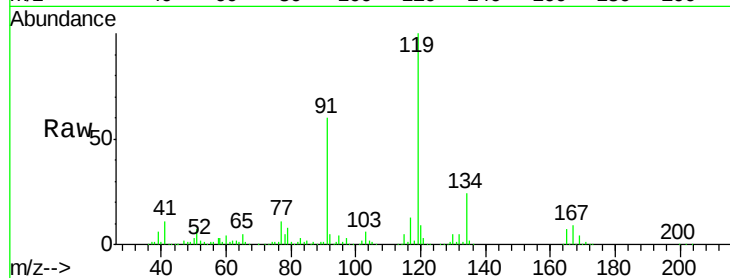
Tot Ion:119 Resp: 229413

Ion Ratio Lower Upper

119 100

91 57.0 30.3 90.9

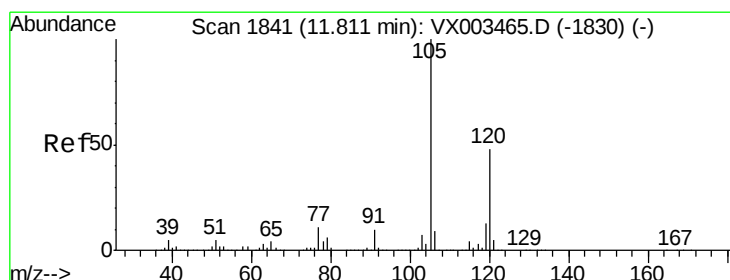
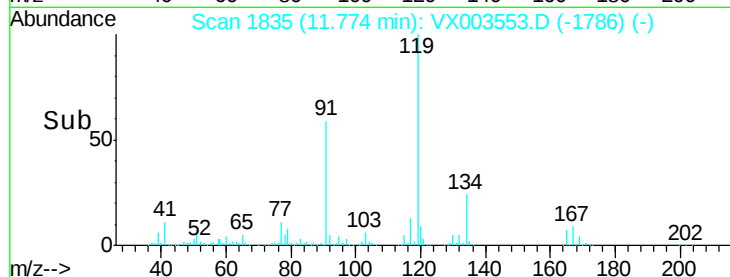
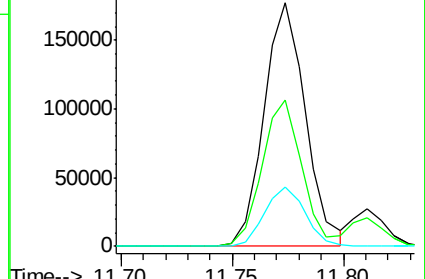
134 23.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.87 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003553.D

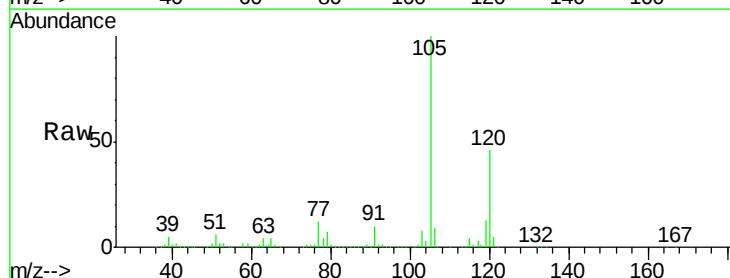
Acq: 21 Jul 2018 14:28

Tgt Ion:105 Resp: 249018

Ion Ratio Lower Upper

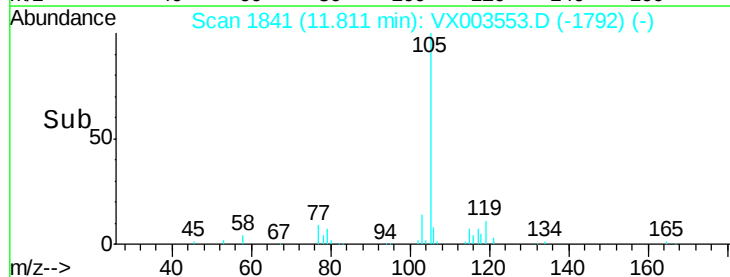
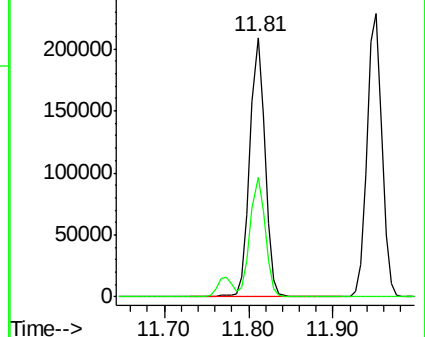
105 100

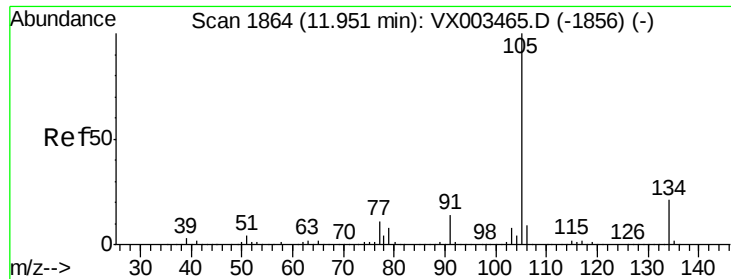
120 46.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.18 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

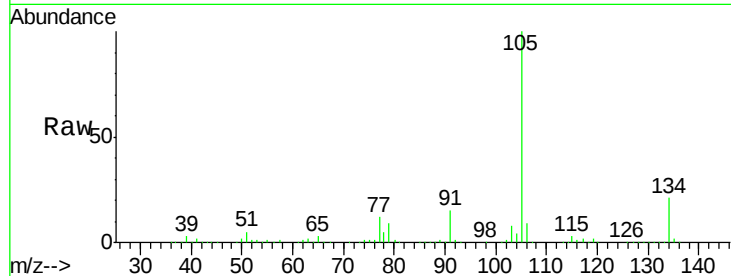
VX0721WBSD01

Tot Ion:105 Resp: 281464

Ion Ratio Lower Upper

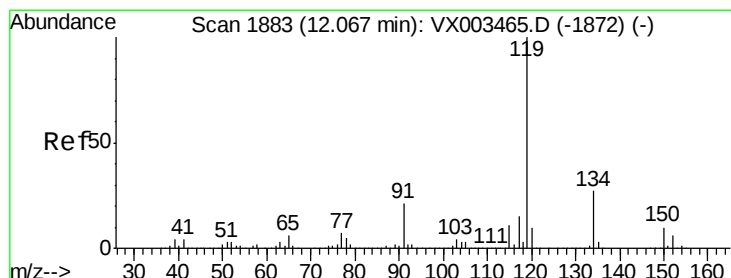
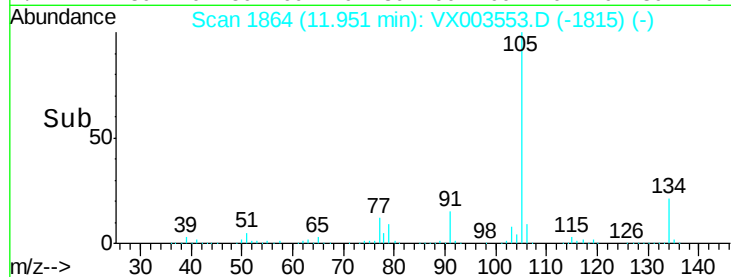
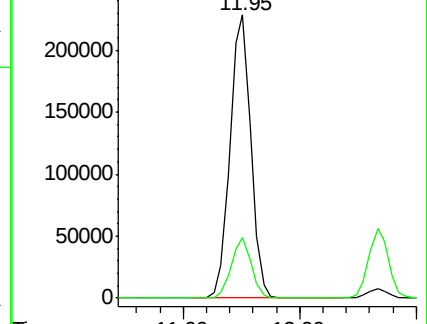
105 100

134 20.6 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.40 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

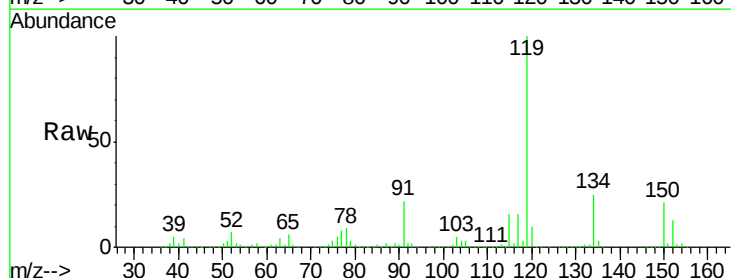
Tgt Ion:119 Resp: 255367

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

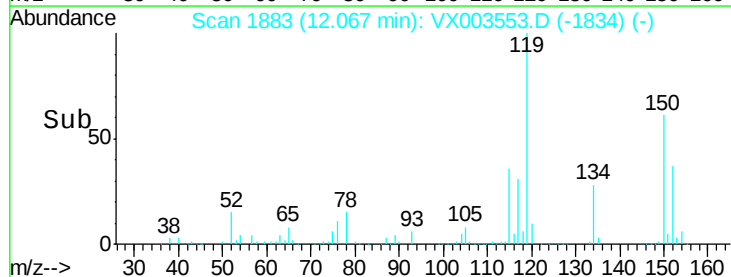
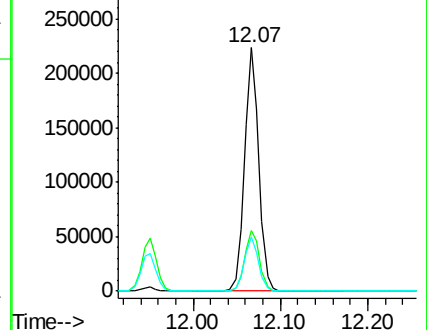
91 22.5 11.9 35.7

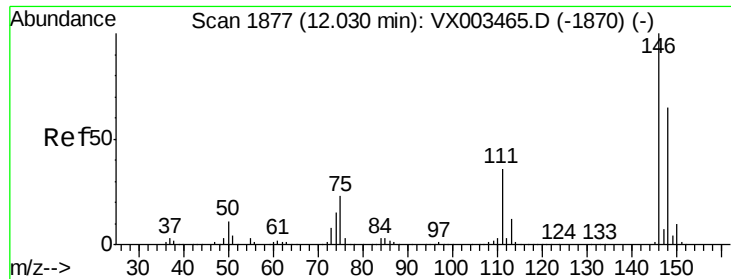


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.47 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD01

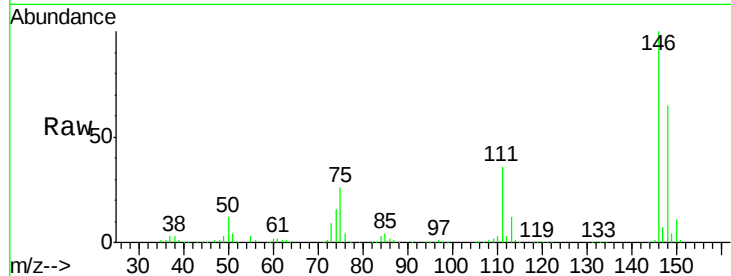
Tot Ion:146 Resp: 146878

Ion Ratio Lower Upper

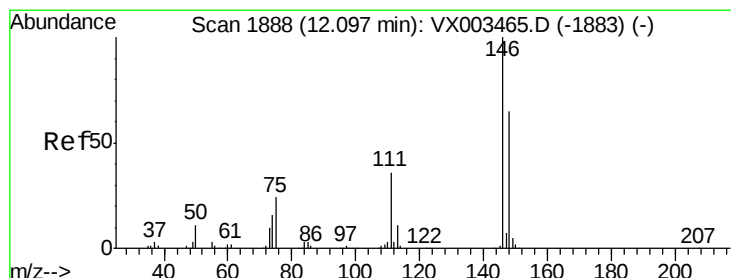
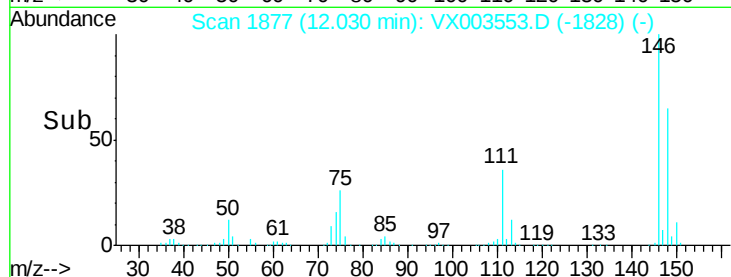
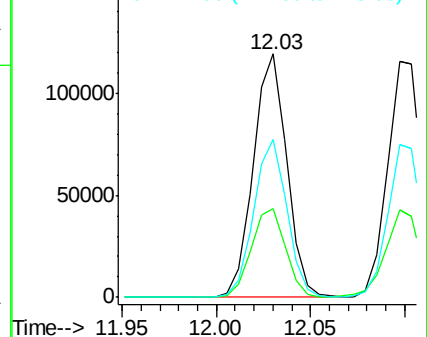
146 100

111 37.4 18.9 56.7

148 64.4 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: 19.35 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX003553.D

Acq: 21 Jul 2018 14:28

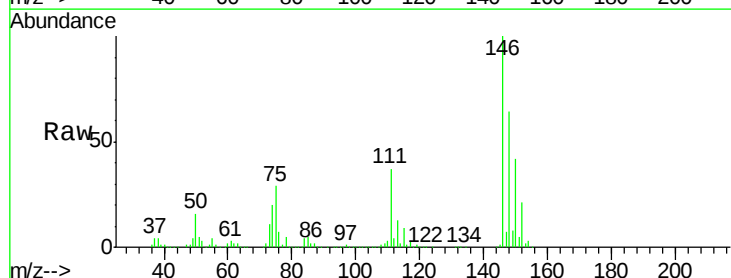
Tgt Ion:146 Resp: 150345

Ion Ratio Lower Upper

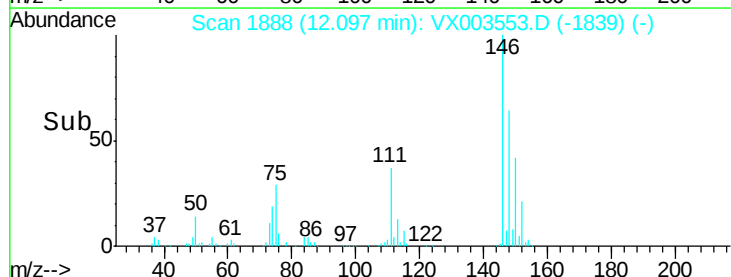
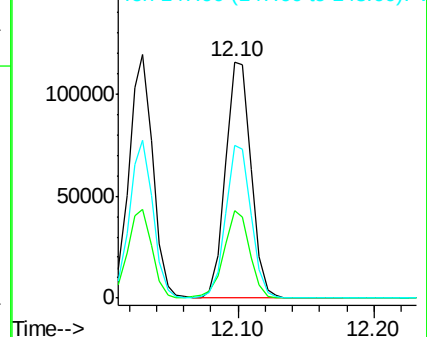
146 100

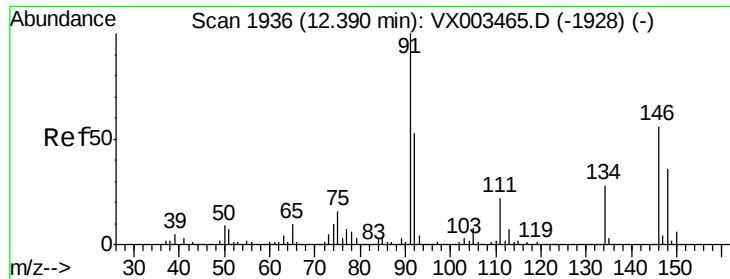
111 37.1 18.7 56.1

148 64.2 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

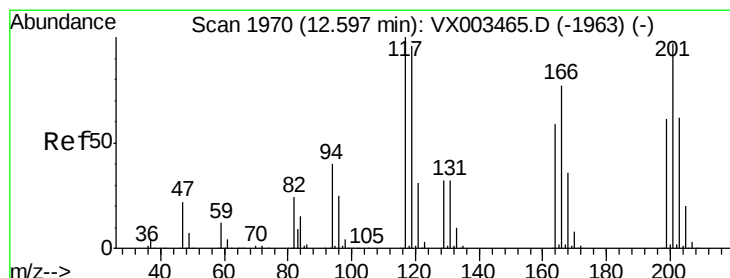
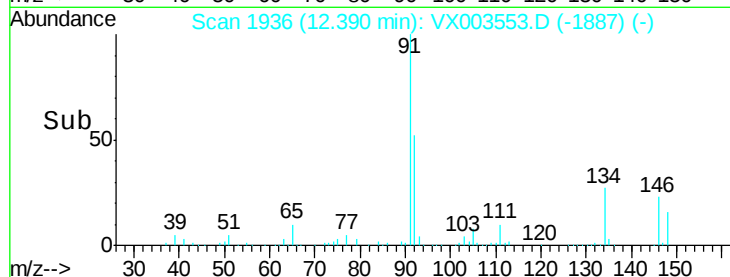
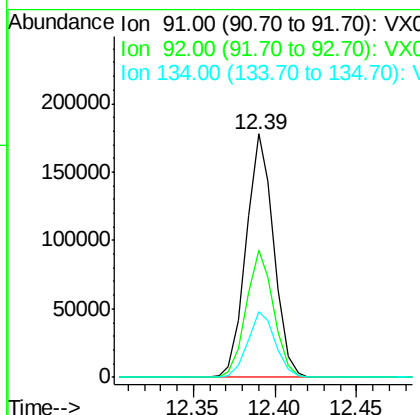
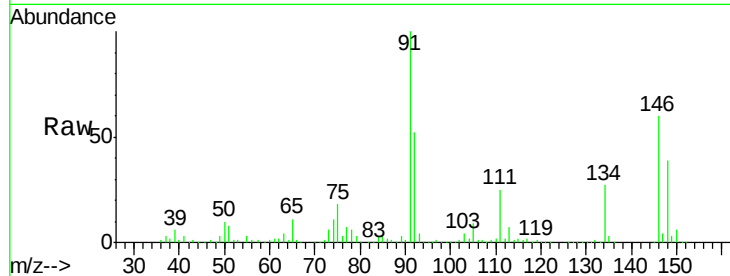




#89
n-Butylbenzene
Concen: 19.73 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

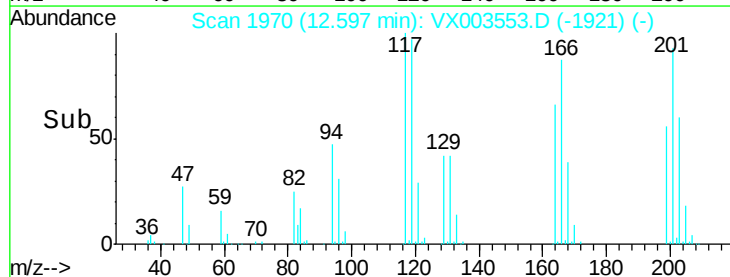
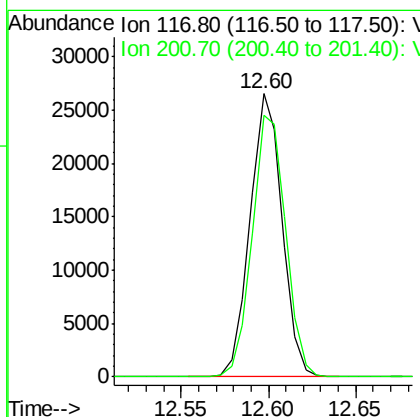
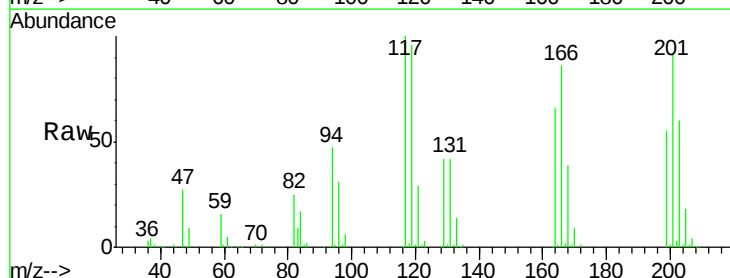
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

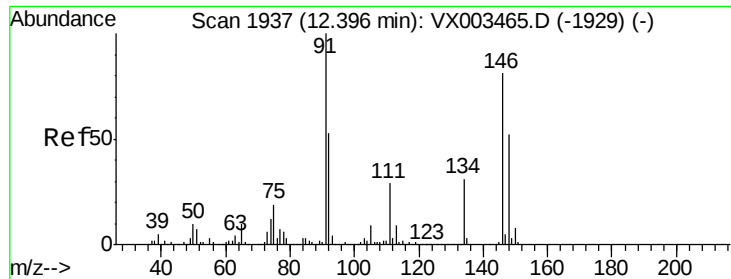
Tot Ion: 91 Resp: 209675
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 19.07 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion: 117 Resp: 33920
Ion Ratio Lower Upper
117 100
201 96.5 49.0 147.0

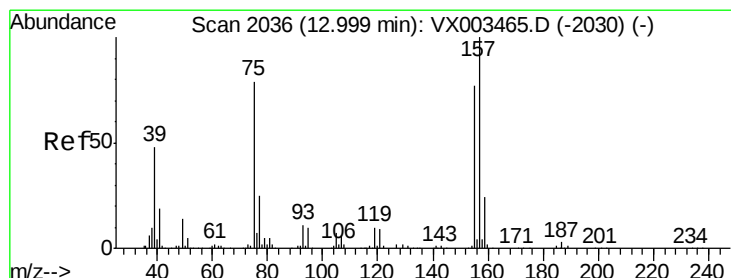
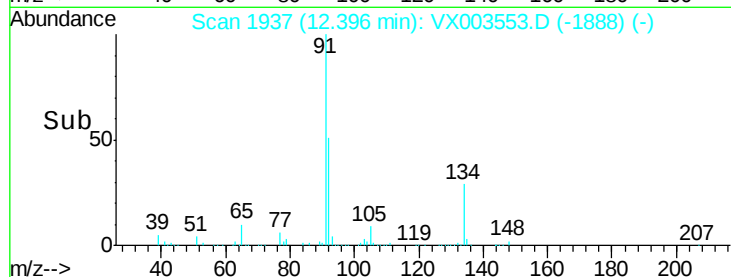
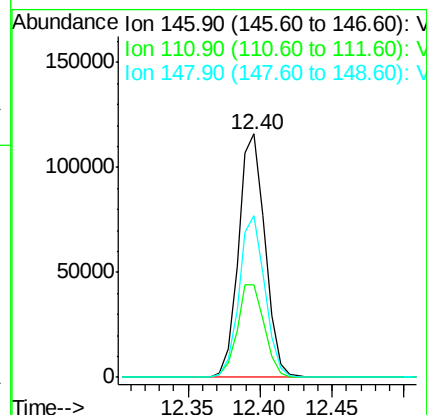
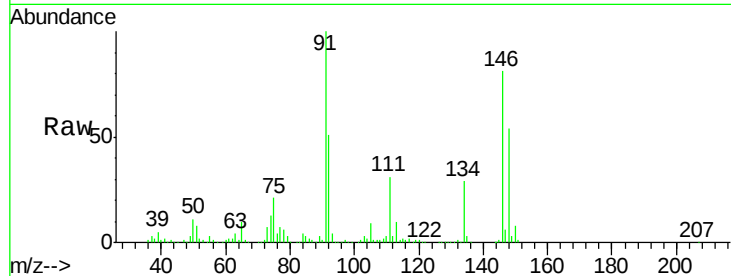




#91
 1,2-Dichlorobenzene
 Concen: 20.03 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

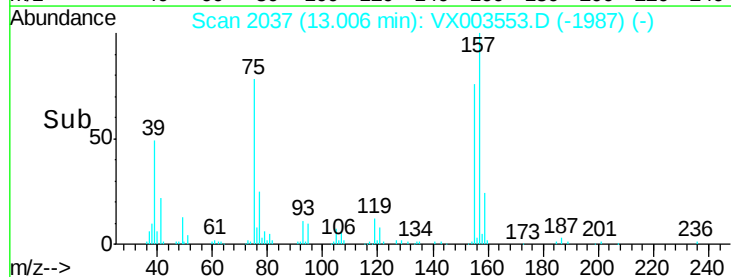
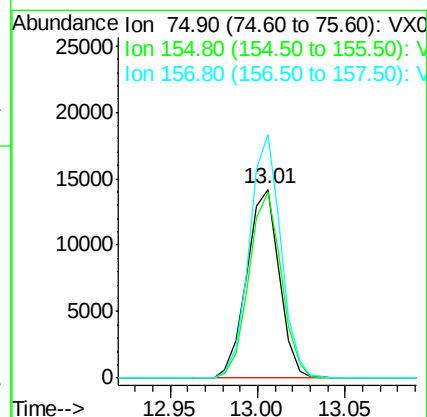
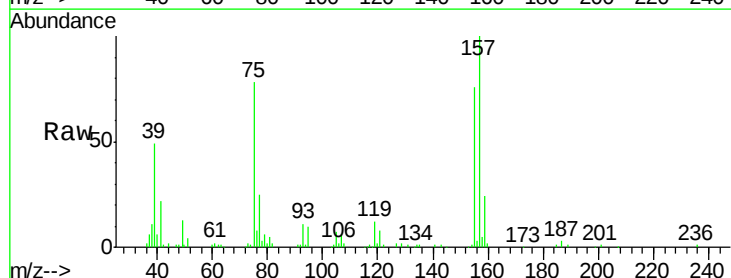
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD01

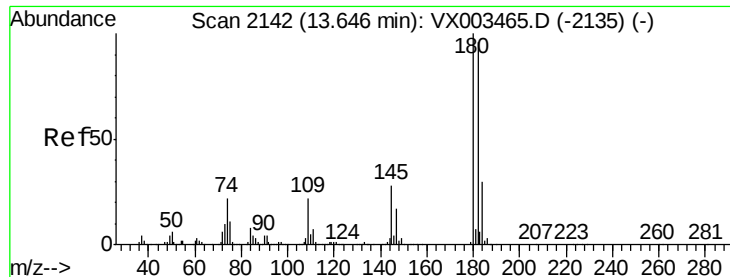
Tot Ion:146 Resp: 148892
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.4 58.1
 148 64.8 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.56 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Tgt Ion: 75 Resp: 18351
 Ion Ratio Lower Upper
 75 100
 155 98.2 45.8 137.4
 157 124.9 60.1 180.3

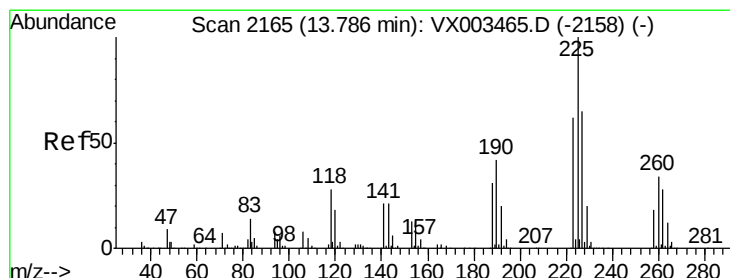
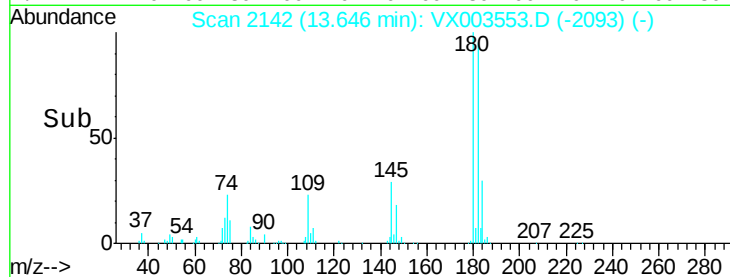
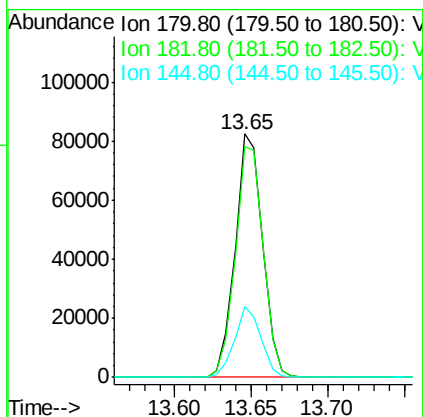
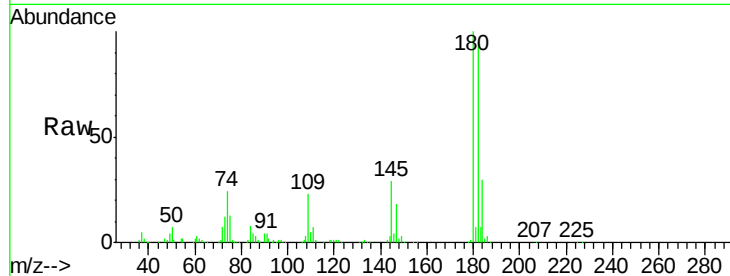




#93
 1,2,4-Trichlorobenzene
 Concen: 18.74 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

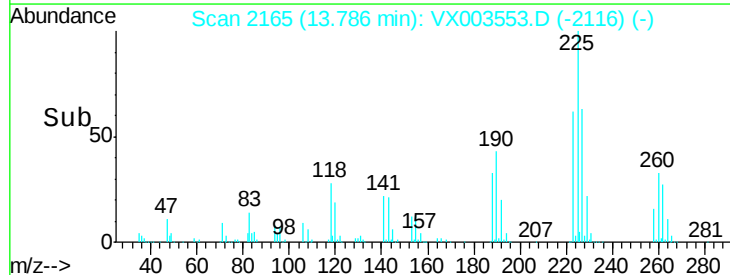
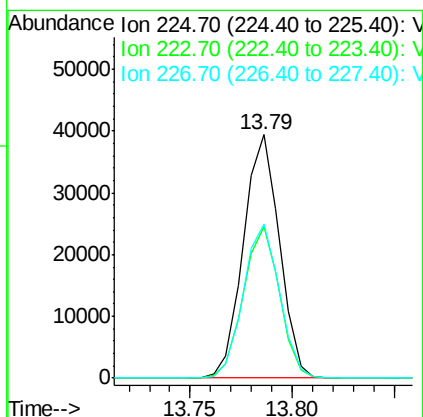
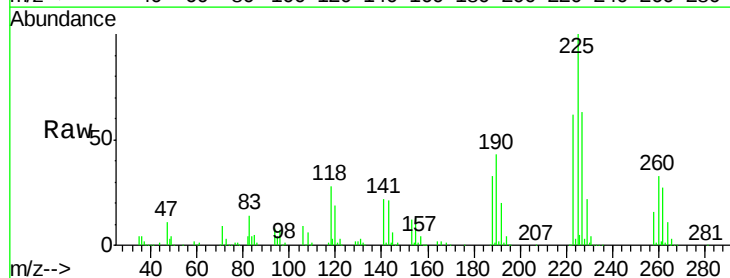
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD01

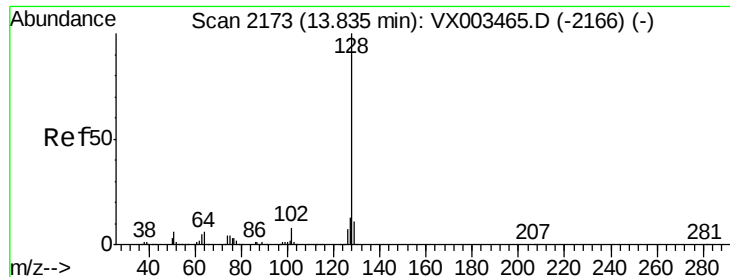
Tot Ion:180 Resp: 102079
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.7 143.1
 145 28.0 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.47 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003553.D
 Acq: 21 Jul 2018 14:28

Tgt Ion:225 Resp: 48391
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.6 95.0
 227 63.3 32.4 97.2

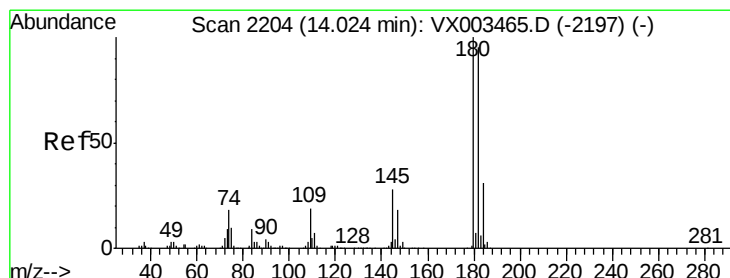
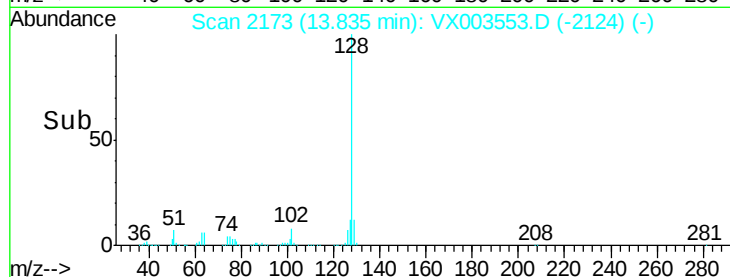
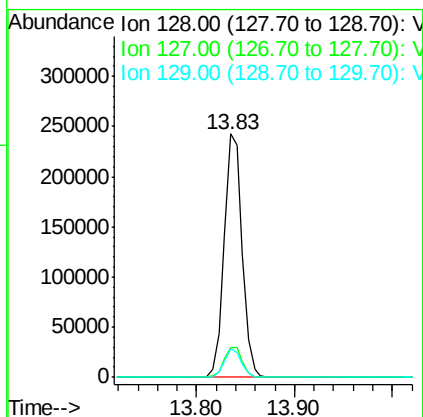
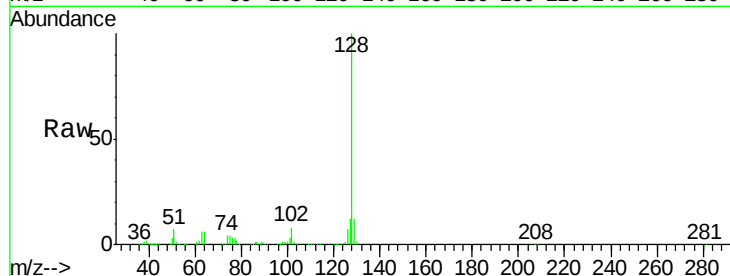




#95
Naphthalene
Concen: 21.47 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD01

Tot Ion:128 Resp: 307358
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.69 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003553.D
Acq: 21 Jul 2018 14:28

Tgt Ion:180 Resp: 106194
Ion Ratio Lower Upper
180 100
182 96.9 48.0 144.0
145 29.7 14.8 44.3

