

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003572.D
 Acq On : 21 Jul 2018 23:44
 Operator : JC/SP
 Sample : VX0721WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

Quant Time: Jul 23 03:48:02 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	305780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	404347	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	378827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	183403	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	5.51	113	165317	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	8.72	98	600563	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	11.14	95	217468	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49888	20.12	ug/l	96
3) Chloromethane	1.32	50	67686	21.83	ug/l	94
4) Vinyl Chloride	1.40	62	73913	19.03	ug/l	97
5) Bromomethane	1.64	94	37558	22.96	ug/l	88
6) Chloroethane	1.73	64	44545	19.38	ug/l	99
7) Trichlorofluoromethane	1.93	101	99576	19.21	ug/l	93
8) Diethyl Ether	2.19	74	45337	20.37	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64357	18.97	ug/l	98
10) Methyl Iodide	2.51	142	82853	20.33	ug/l	94
11) Tert butyl alcohol	3.07	59	78855	110.09	ug/l	99
12) 1,1-Dichloroethene	2.38	96	62592	20.04	ug/l #	69
13) Acrolein	2.29	56	27429	84.76	ug/l	94
14) Allyl chloride	2.73	41	107786	19.50	ug/l #	85
15) Acrylonitrile	3.15	53	201659	110.59	ug/l	91
16) Acetone	2.45	43	153363	112.17	ug/l	94
17) Carbon Disulfide	2.57	76	168028	19.89	ug/l	100
18) Methyl Acetate	2.78	43	94490	21.92	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	203024	19.91	ug/l	100
20) Methylene Chloride	2.86	84	70375	20.54	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	70009	20.15	ug/l	83
22) Diisopropyl ether	3.87	45	236810	22.76	ug/l	90
23) Vinyl Acetate	3.82	43	903377	105.42	ug/l	95
24) 1,1-Dichloroethane	3.70	63	132041	21.63	ug/l	99
25) 2-Butanone	4.71	43	257415	112.21	ug/l #	90
26) 2,2-Dichloropropane	4.59	77	76324	16.46	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	84025	21.72	ug/l	97
28) Bromochloromethane	5.01	49	58349	21.87	ug/l	85
29) Tetrahydrofuran	5.17	42	168449	111.16	ug/l	92
30) Chloroform	5.21	83	132413	22.22	ug/l	99
31) Cyclohexane	5.57	56	106208	19.47	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	105989	20.77	ug/l	98
36) 1,1-Dichloropropene	5.80	75	86657	19.85	ug/l	97
37) Ethyl Acetate	4.86	43	95879	23.21	ug/l #	93
38) Carbon Tetrachloride	5.79	117	91053	21.26	ug/l	97

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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)

39) Methylcyclohexane	7.46	83	95811	18.53	ug/l	96
40) Benzene	6.15	78	266328	20.21	ug/l	100
41) Methacrylonitrile	5.06	41	59714	24.59	ug/l	90
42) 1,2-Dichloroethane	6.20	62	91744	22.09	ug/l	96
43) Isopropyl Acetate	6.47	43	138172	21.03	ug/l	94
44) Trichloroethene	7.21	130	78767	20.04	ug/l	98
45) 1,2-Dichloropropane	7.52	63	69254	20.69	ug/l	98
46) Dibromomethane	7.67	93	46395	21.53	ug/l	99
47) Bromodichloromethane	7.90	83	82982	21.04	ug/l	97
48) Methyl methacrylate	7.78	41	71428	21.55	ug/l	87
49) 1,4-Dioxane	7.76	88	32197	428.80	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	461556	111.18	ug/l	93
52) Toluene	8.79	92	171309	20.65	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	96459	19.87	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	85955	19.69	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	69738	21.12	ug/l	97
56) Ethyl methacrylate	9.18	69	95697	20.58	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	114357	21.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	231314	102.30	ug/l	98
59) 2-Hexanone	9.50	43	342738	111.43	ug/l	90
60) Dibromochloromethane	9.59	129	66246	20.27	ug/l	99
61) 1,2-Dibromoethane	9.68	107	71431	20.87	ug/l	99
64) Tetrachloroethene	9.34	164	89660	19.43	ug/l	97
65) Chlorobenzene	10.14	112	194508	19.93	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	68114	20.28	ug/l	99
67) Ethyl Benzene	10.26	91	316107	20.14	ug/l	100
68) m/p-Xylenes	10.36	106	247801	40.28	ug/l	98
69) o-Xylene	10.70	106	119513	20.09	ug/l	96
70) Styrene	10.71	104	200467	20.48	ug/l	98
71) Bromoform	10.86	173	50617	19.40	ug/l #	100
73) Isopropylbenzene	11.02	105	321601	20.45	ug/l	100
74) N-amyl acetate	6.47	43	138172	20.69	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	95698	20.77	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	106991	26.19	ug/l	81
77) Bromobenzene	11.26	156	87799	19.41	ug/l	99
78) n-propylbenzene	11.36	91	362409	20.73	ug/l	98
79) 2-Chlorotoluene	11.43	91	217107	20.46	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	267055	20.66	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	23069	17.65	ug/l	94
82) 4-Chlorotoluene	11.51	91	253780	20.41	ug/l	98
83) tert-Butylbenzene	11.77	119	255036	20.15	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	275068	20.92	ug/l	98
85) sec-Butylbenzene	11.95	105	312361	20.32	ug/l	100
86) p-Isopropyltoluene	12.07	119	279819	20.28	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	160964	19.36	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	163377	19.08	ug/l	100
89) n-Butylbenzene	12.39	91	228511	19.50	ug/l	100
90) Hexachloroethane	12.60	117	37883	19.31	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	163110	19.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18973	21.15	ug/l	96

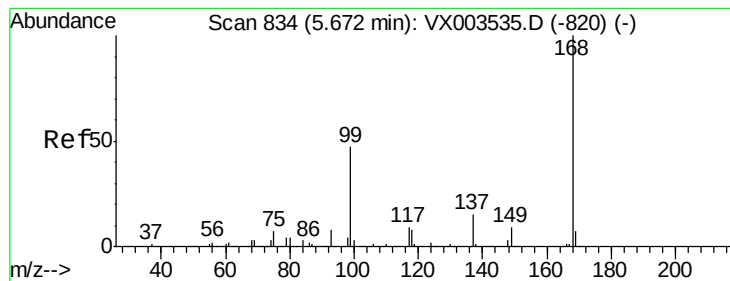
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072118\
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Quant Time: Jul 23 03:48:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	112076	18.66	ug/l	100
94) Hexachlorobutadiene	13.79	225	53110	18.39	ug/l	99
95) Naphthalene	13.83	128	318223	20.16	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	116333	19.57	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

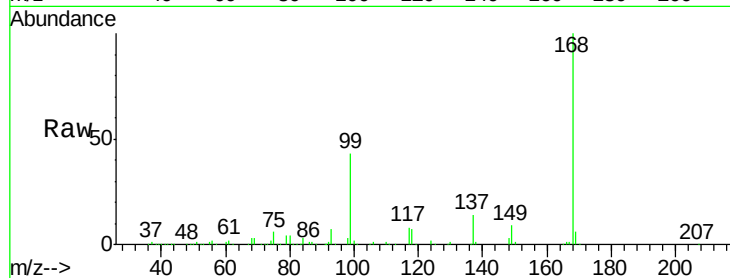
VX0721WBSD02

Tot Ion:168 Resp: 305780

Ion Ratio Lower Upper

168 100

99 43.3 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

120000

100000

80000

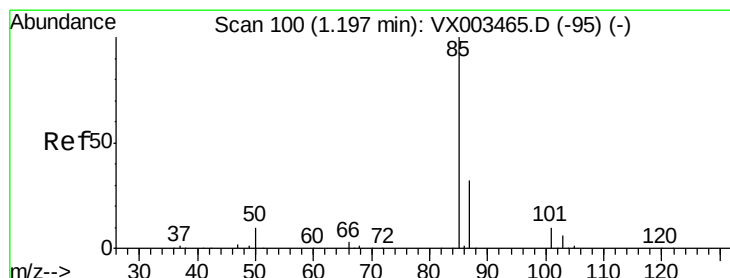
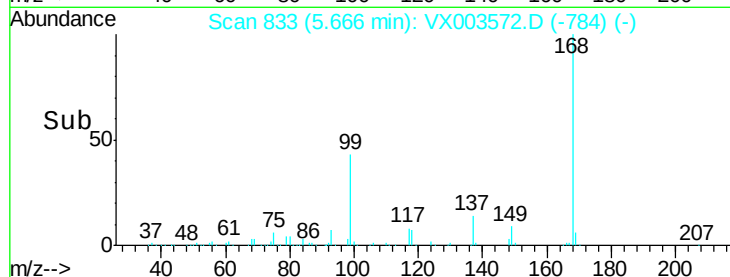
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.12 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003572.D

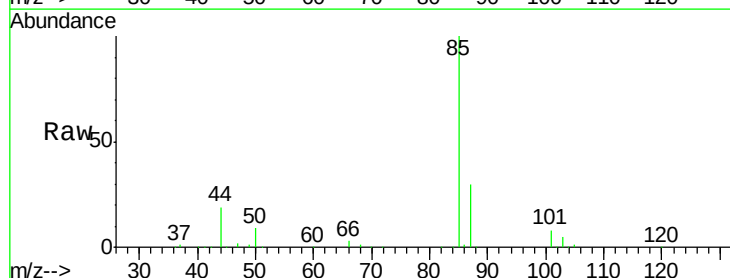
Acq: 21 Jul 2018 23:44

Tgt Ion: 85 Resp: 49888

Ion Ratio Lower Upper

85 100

87 29.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

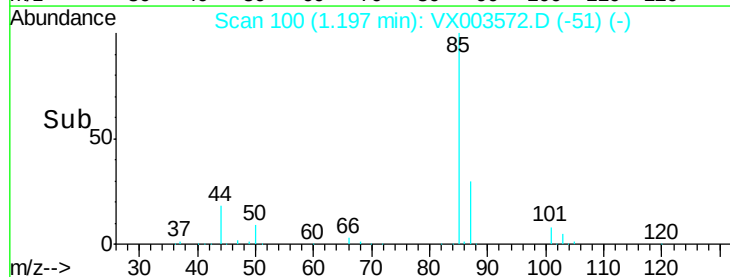
30000

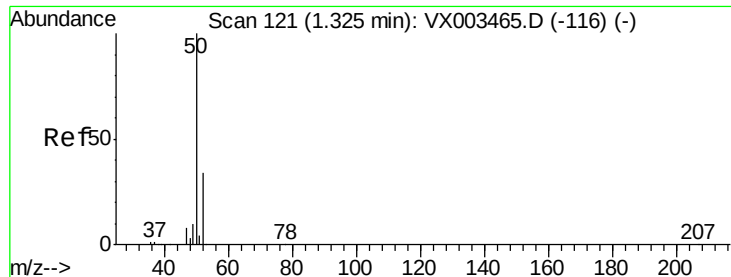
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.83 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

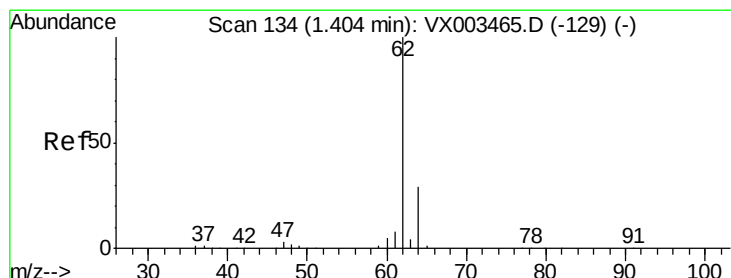
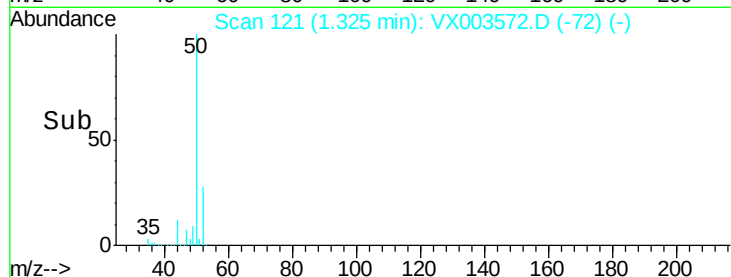
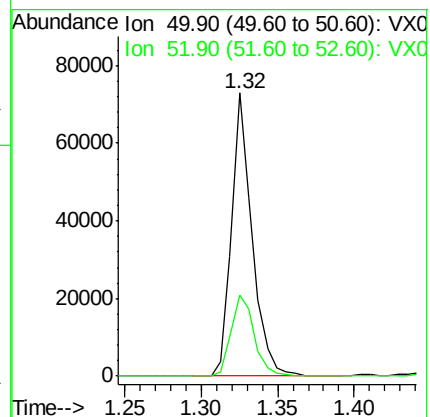
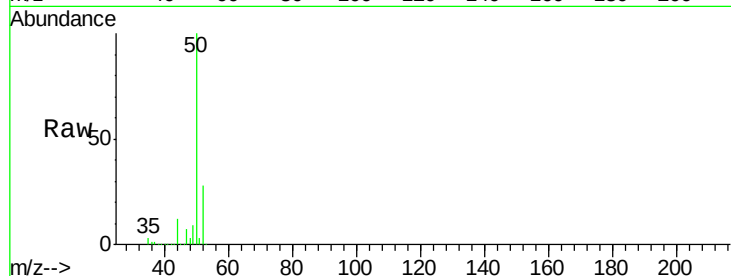
VX0721WBSD02

Tot Ion: 50 Resp: 67686

Ion Ratio Lower Upper

50 100

52 28.5 25.7 38.5



#4

Vinyl Chloride

Concen: 19.03 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003572.D

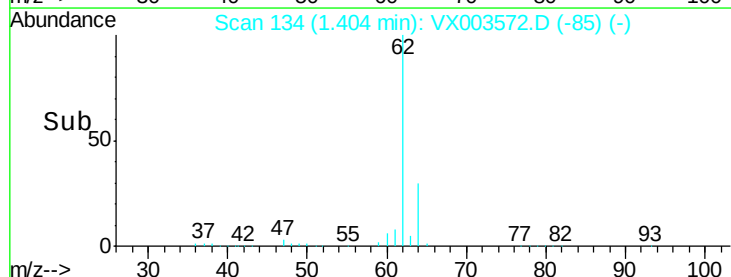
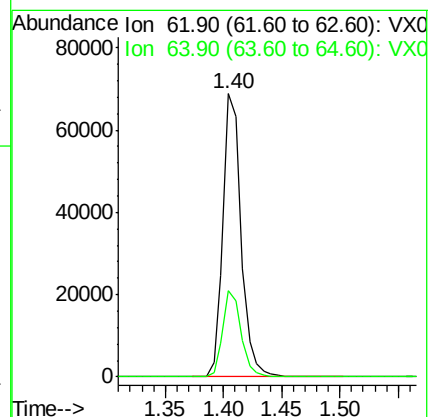
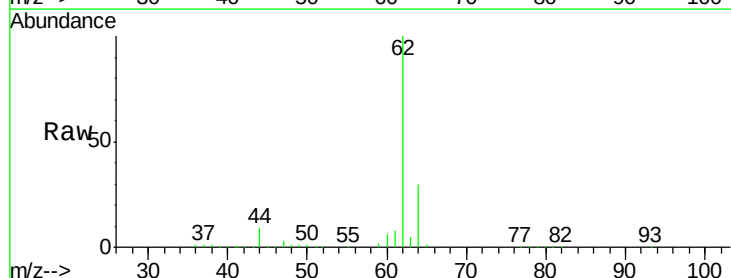
Acq: 21 Jul 2018 23:44

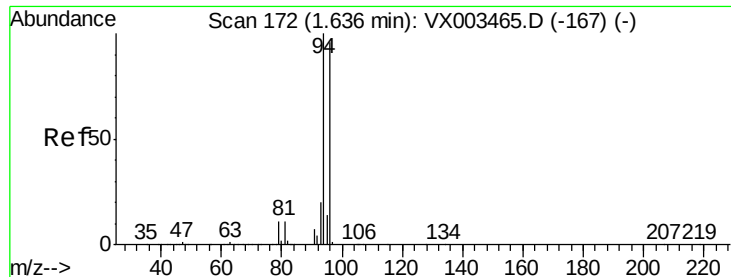
Tgt Ion: 62 Resp: 73913

Ion Ratio Lower Upper

62 100

64 30.3 25.4 38.2





#5

Bromomethane

Concen: 22.96 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

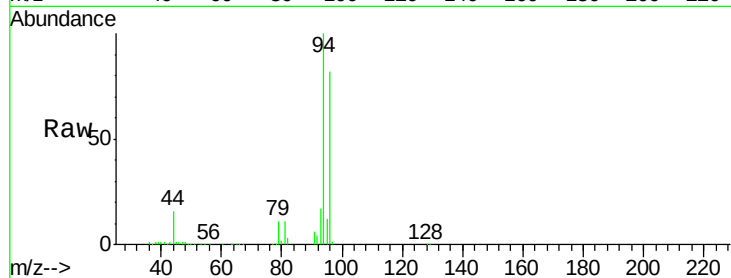
VX0721WBSD02

Tot Ion: 94 Resp: 37558

Ion Ratio Lower Upper

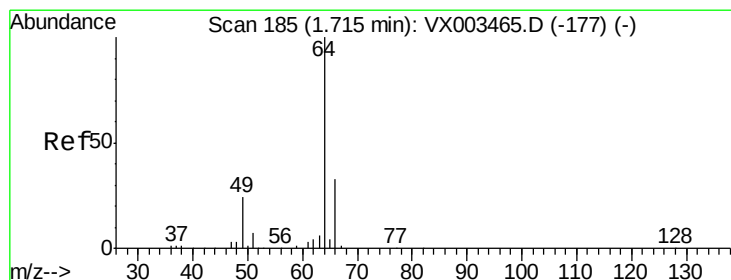
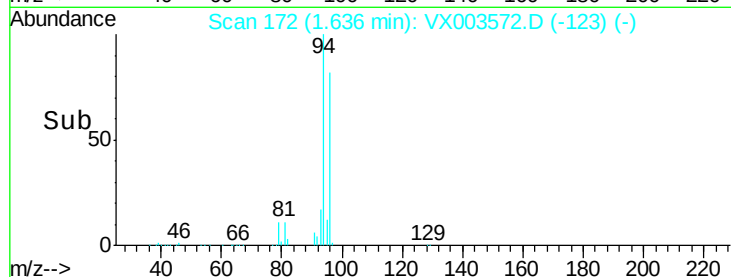
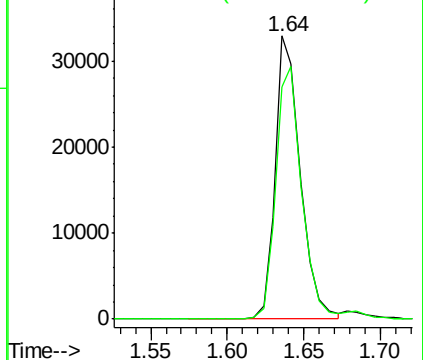
94 100

96 82.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.38 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003572.D

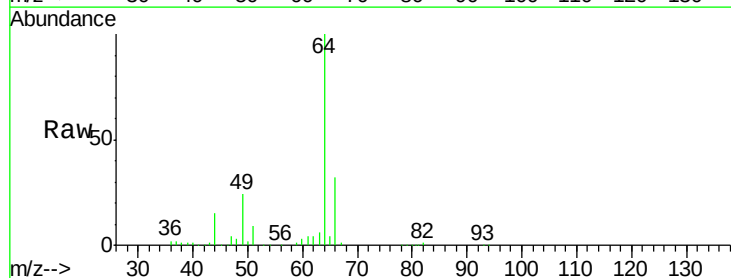
Acq: 21 Jul 2018 23:44

Tgt Ion: 64 Resp: 44545

Ion Ratio Lower Upper

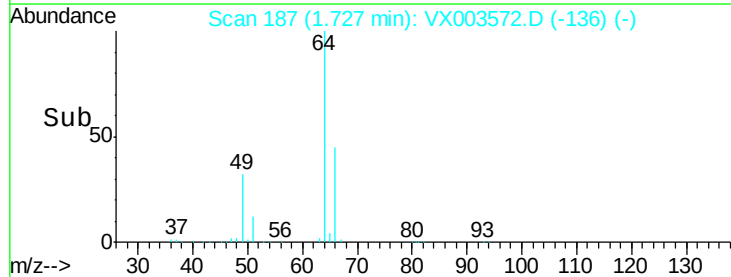
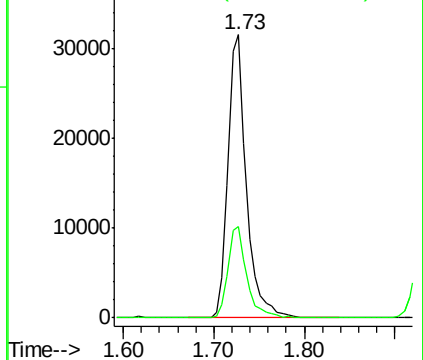
64 100

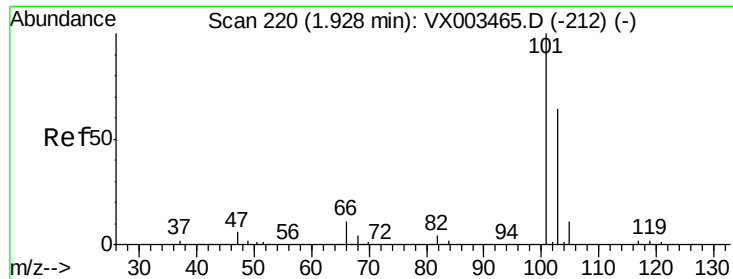
66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



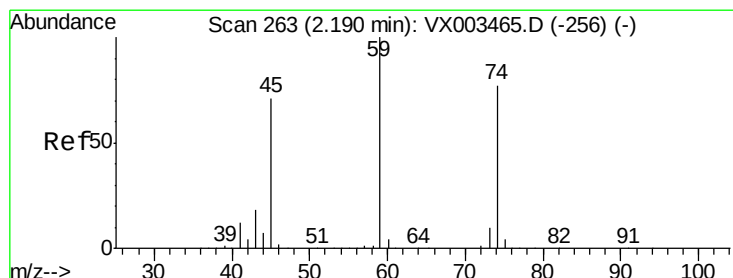
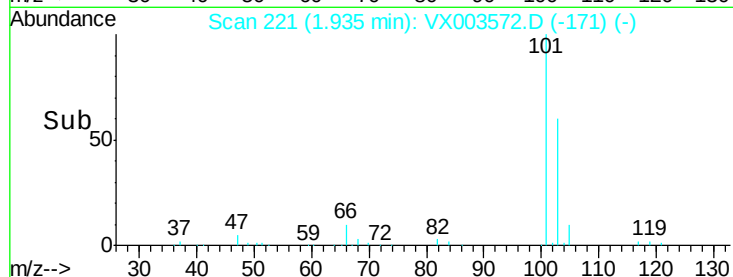
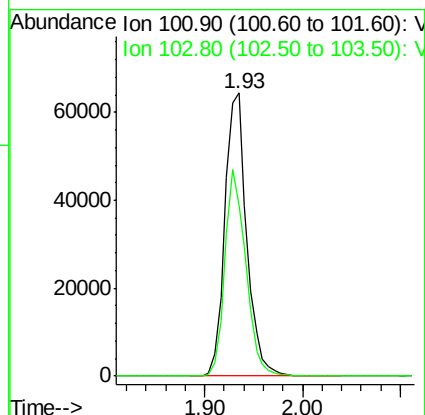
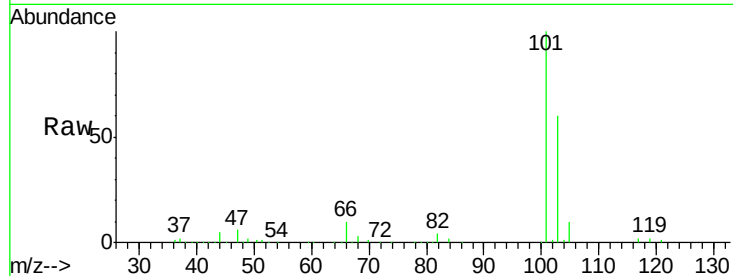


#7

Trichlorofluoromethane
 Concen: 19.21 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

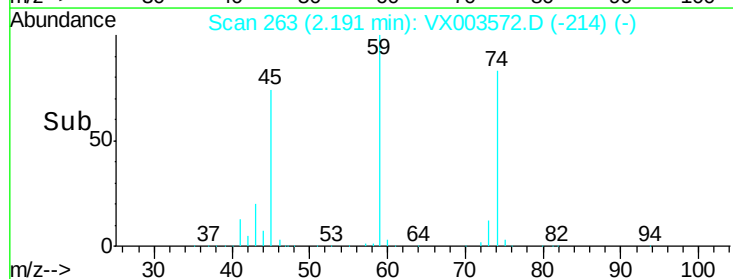
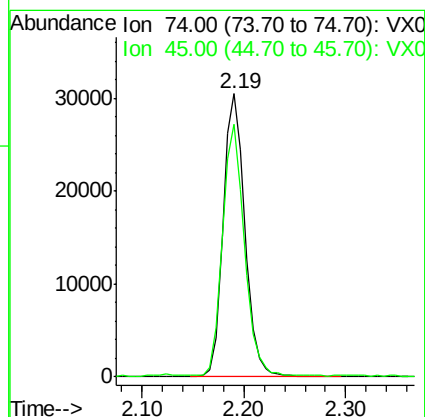
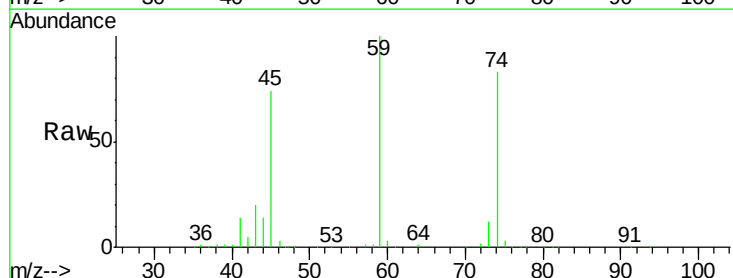
Tot Ion:101 Resp: 99576
 Ion Ratio Lower Upper
 101 100
 103 60.3 52.8 79.2

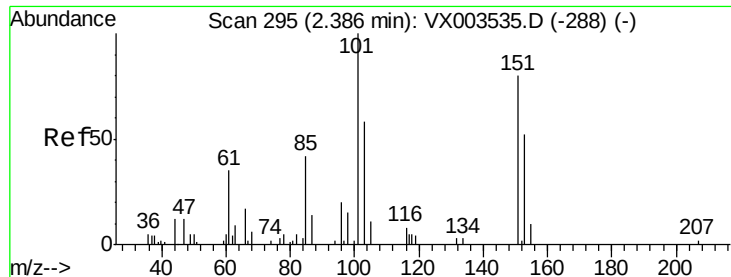


#8

Diethyl Ether
 Concen: 20.37 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion: 74 Resp: 45337
 Ion Ratio Lower Upper
 74 100
 45 90.0 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.97 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

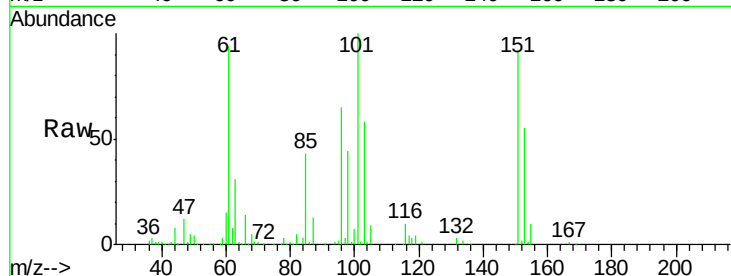
Tot Ion:101 Resp: 64357

Ion Ratio Lower Upper

101 100

85 41.1 36.0 54.0

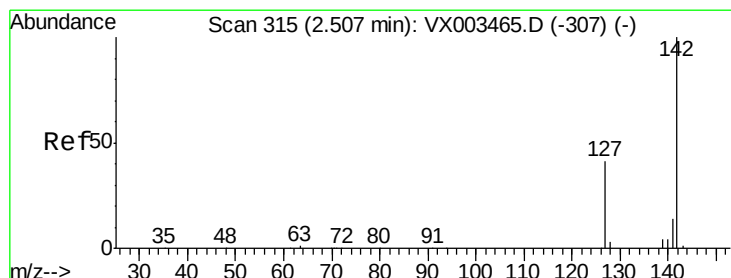
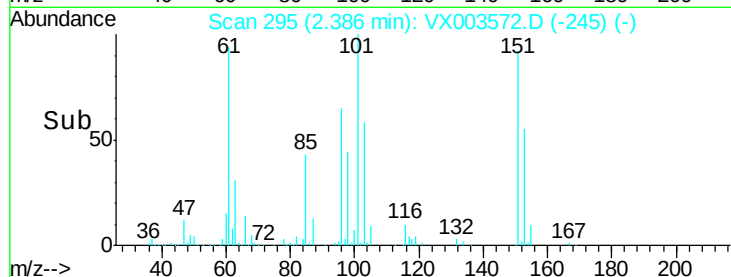
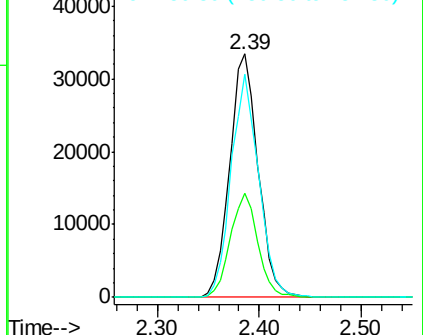
151 88.8 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.33 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

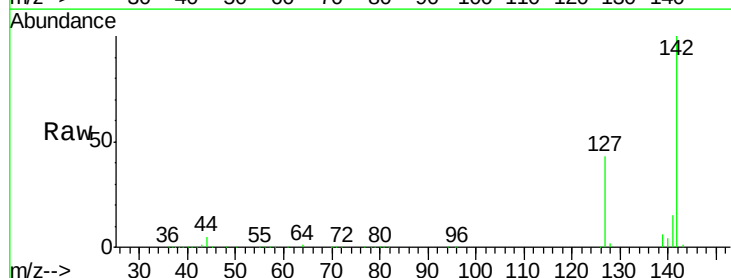
Tgt Ion:142 Resp: 82853

Ion Ratio Lower Upper

142 100

127 40.8 36.6 55.0

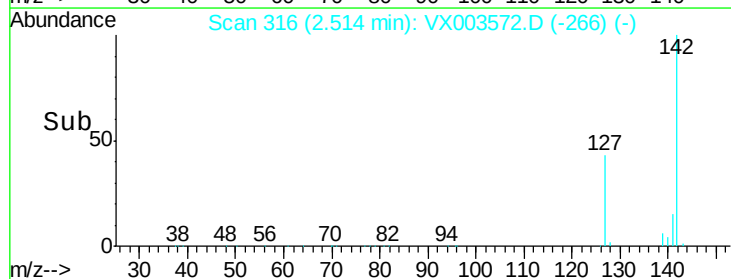
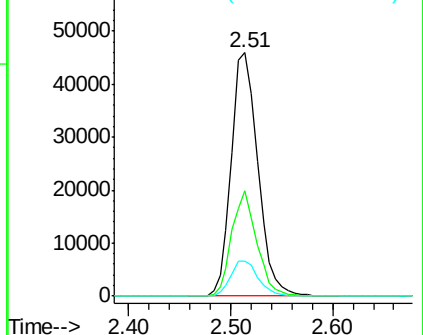
141 15.1 11.3 16.9

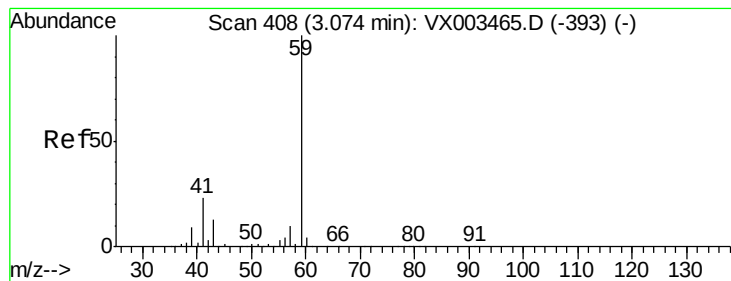


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.09 ug/l

RT: 3.07 min Scan# 408

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

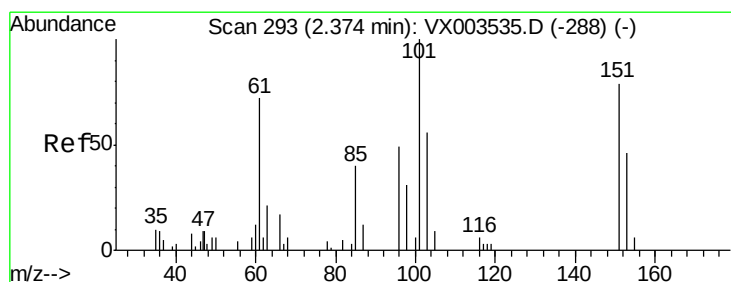
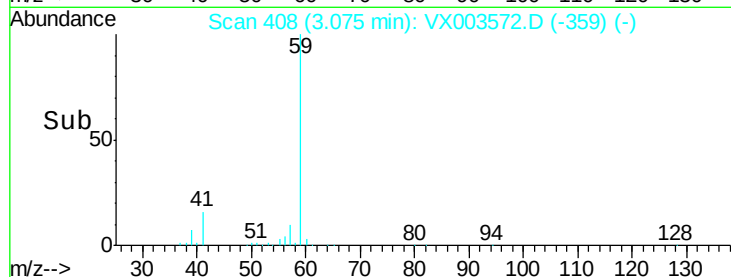
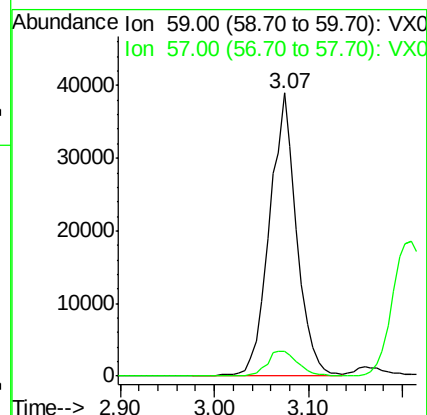
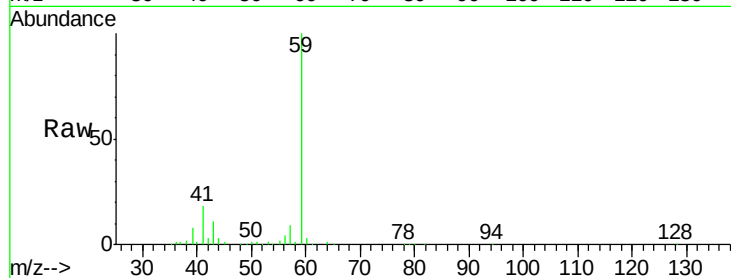
VX0721WBSD02

Tot Ion: 59 Resp: 78855

Ion Ratio Lower Upper

59 100

57 10.0 8.2 12.2



#12

1,1-Dichloroethene

Concen: 20.04 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

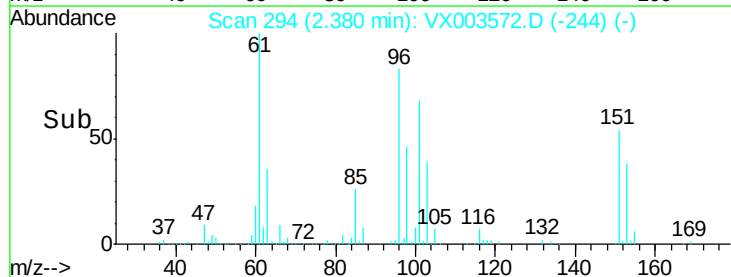
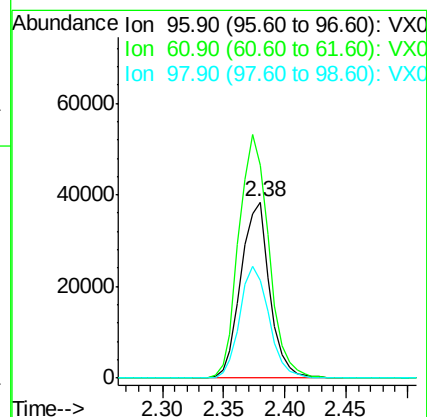
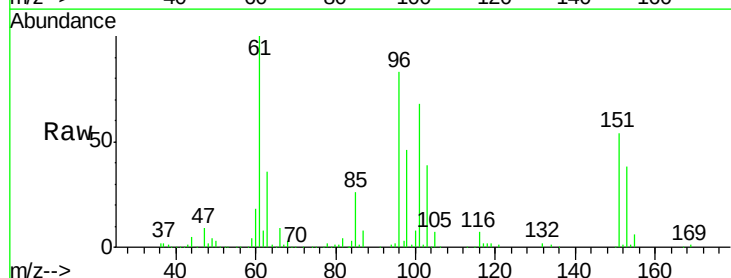
Tgt Ion: 96 Resp: 62592

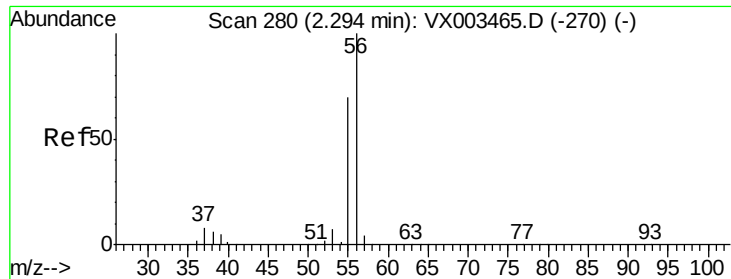
Ion Ratio Lower Upper

96 100

61 120.5 137.9 206.9#

98 55.2 51.6 77.4





#13

Acrolein

Concen: 84.76 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

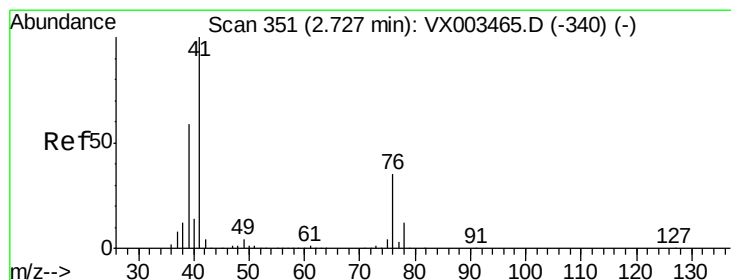
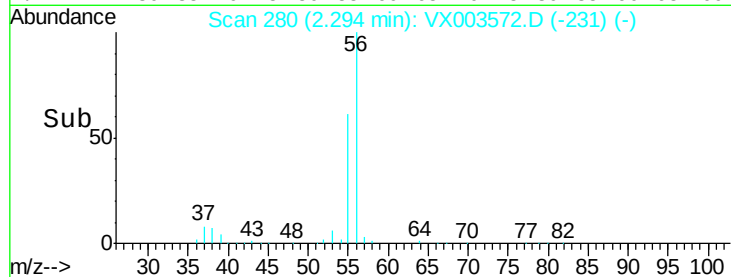
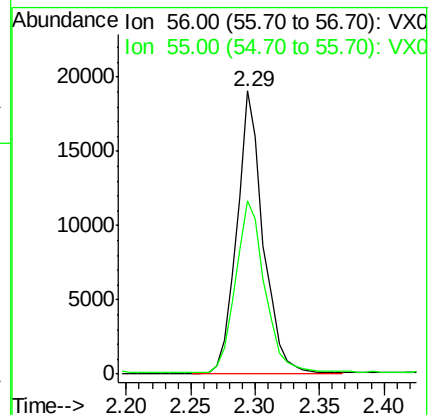
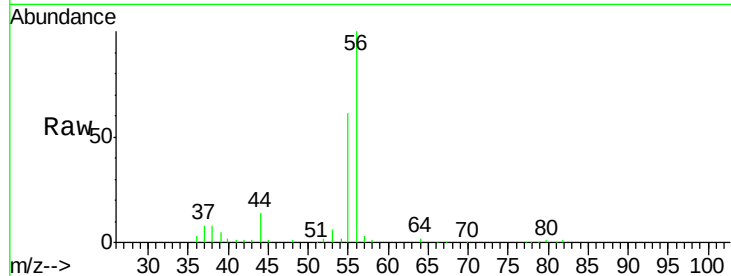
VX0721WBSD02

Tot Ion: 56 Resp: 27429

Ion Ratio Lower Upper

56 100

55 66.6 57.0 85.4



#14

Allyl chloride

Concen: 19.50 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

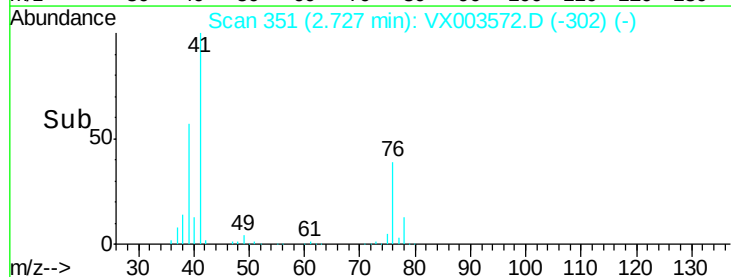
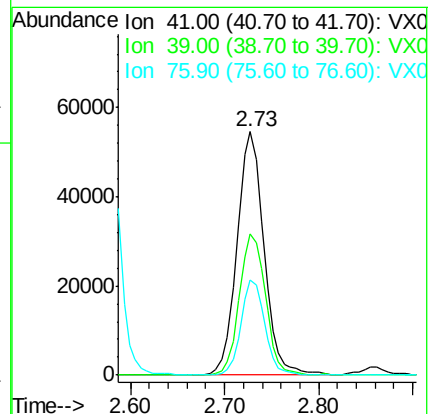
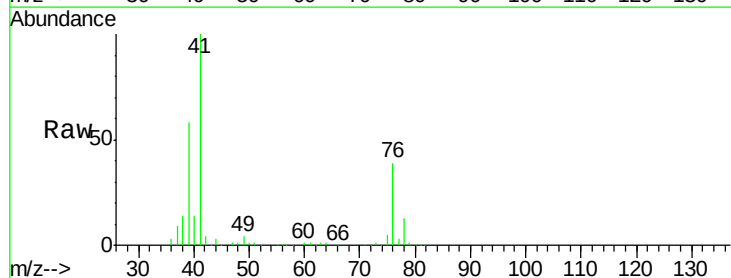
Tgt Ion: 41 Resp: 107786

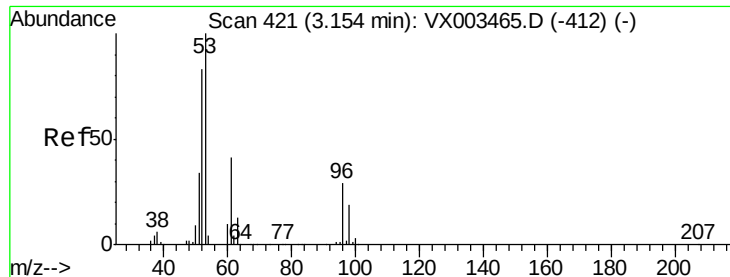
Ion Ratio Lower Upper

41 100

39 56.4 56.8 85.2#

76 35.1 23.8 35.8





#15

Acrylonitrile

Concen: 110.59 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

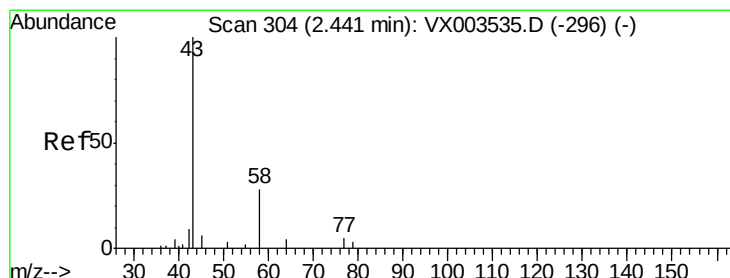
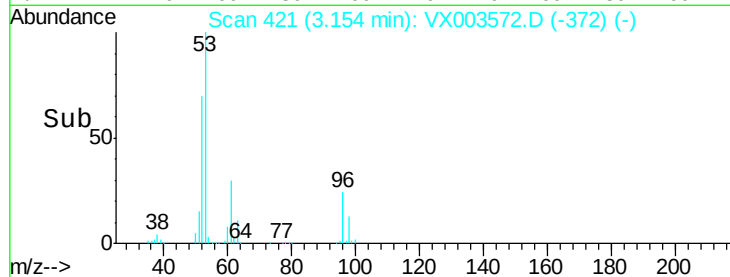
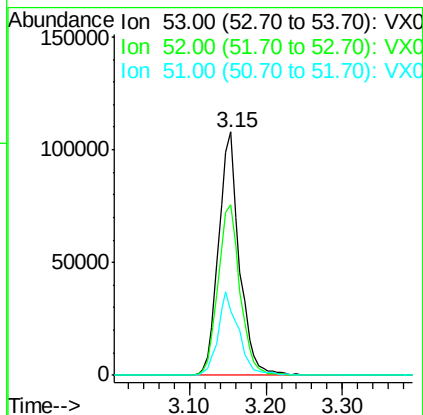
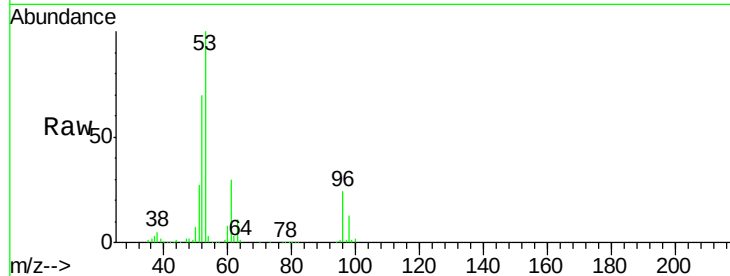
Tot Ion: 53 Resp: 201659

Ion Ratio Lower Upper

53 100

52 74.1 66.7 100.1

51 33.9 29.9 44.9



#16

Acetone

Concen: 112.17 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003572.D

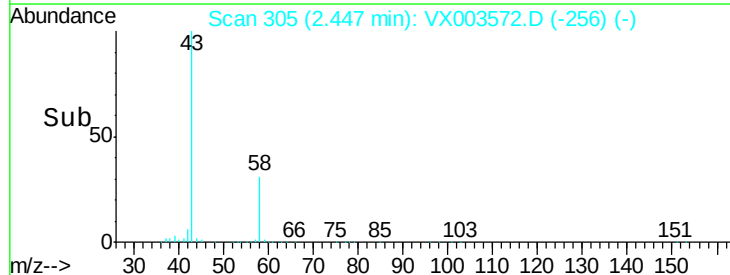
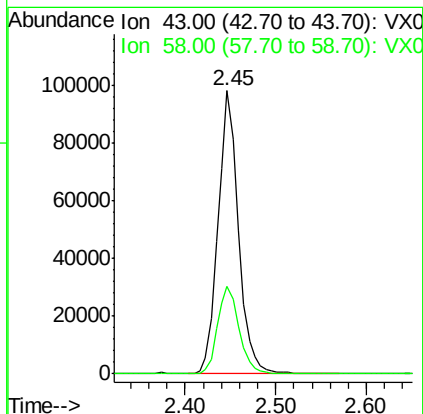
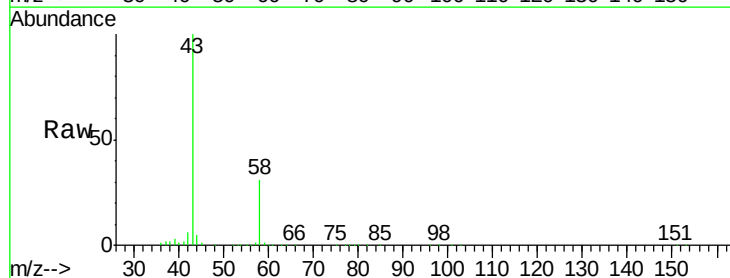
Acq: 21 Jul 2018 23:44

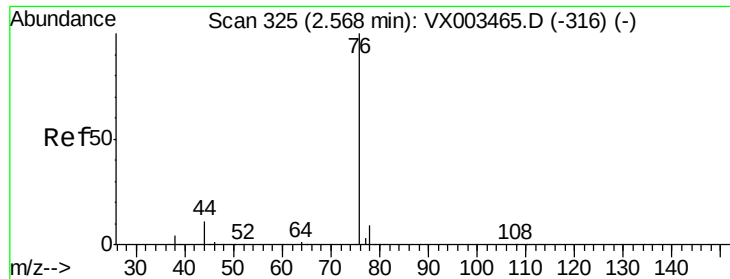
Tgt Ion: 43 Resp: 153363

Ion Ratio Lower Upper

43 100

58 30.9 22.1 33.1





#17

Carbon Disulfide

Concen: 19.89 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

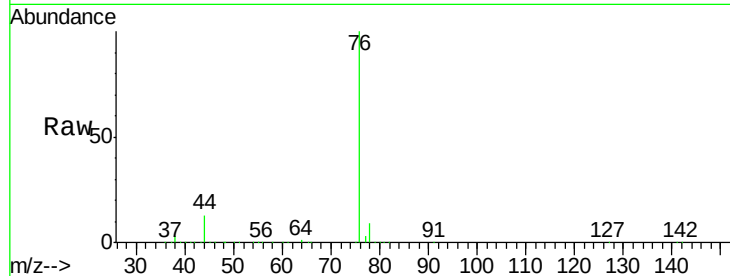
VX0721WBSD02

Tot Ion: 76 Resp: 168028

Ion Ratio Lower Upper

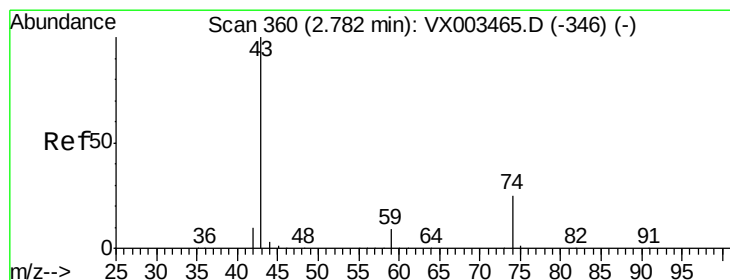
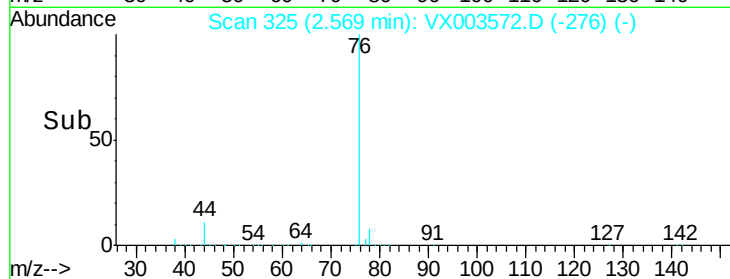
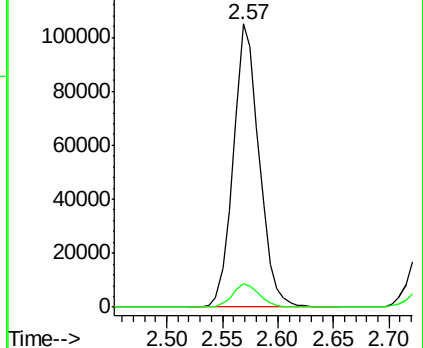
76 100

78 8.4 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: 21.92 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003572.D

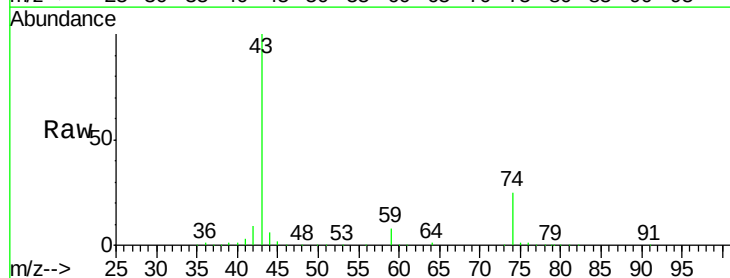
Acq: 21 Jul 2018 23:44

Tgt Ion: 43 Resp: 94490

Ion Ratio Lower Upper

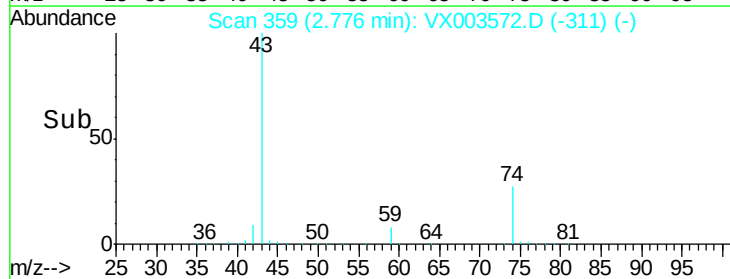
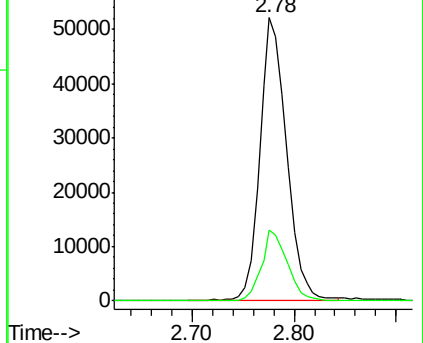
43 100

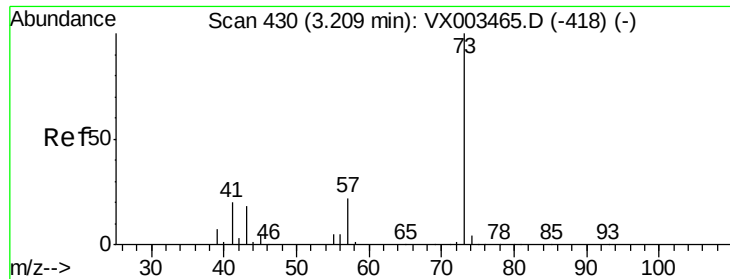
74 24.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

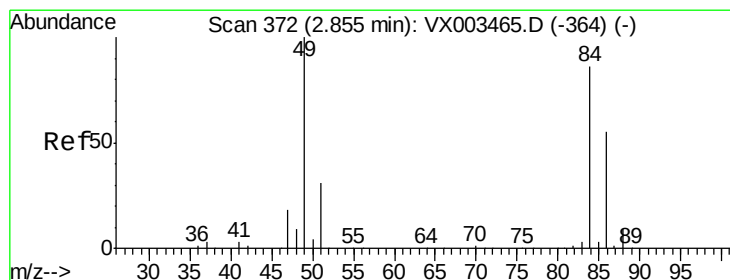
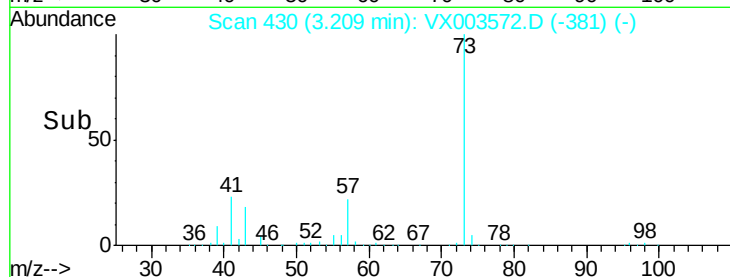
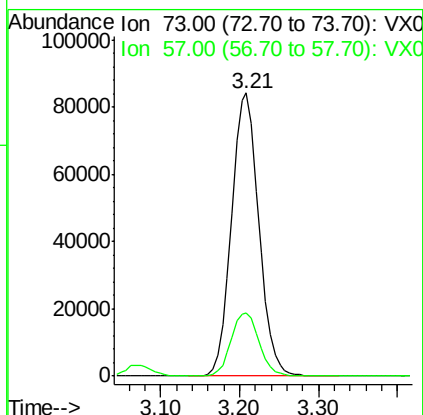
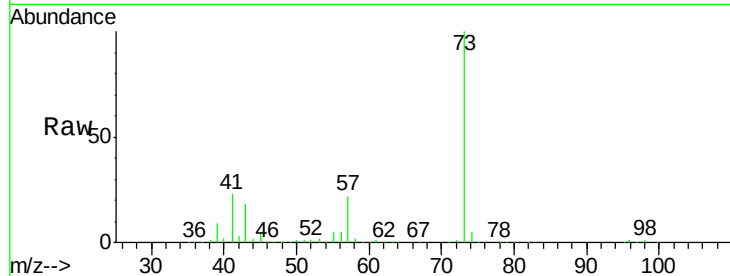




#19
Methyl tert-butyl Ether
Concen: 19.91 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

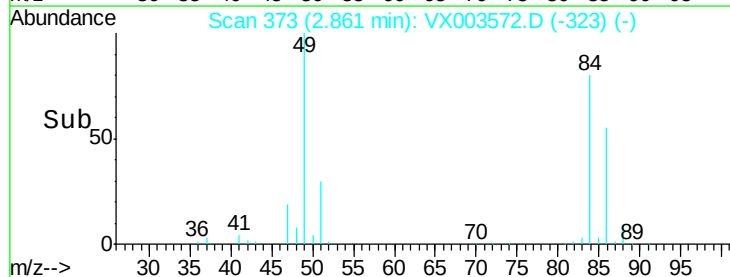
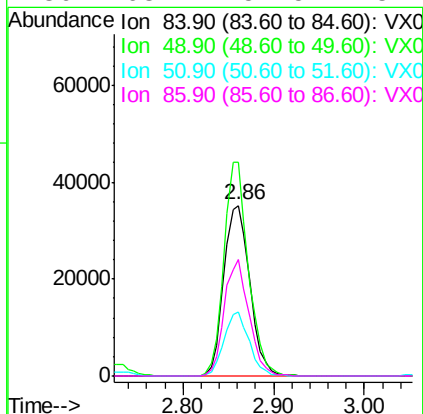
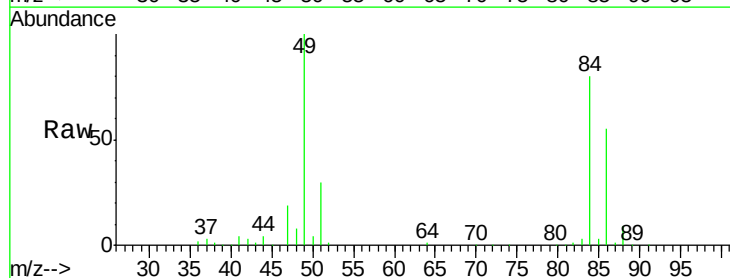
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

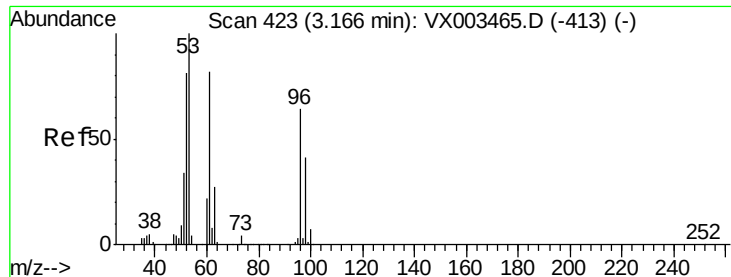
Tot Ion: 73 Resp: 203024
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5



#20
Methylene Chloride
Concen: 20.54 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion: 84 Resp: 70375
Ion Ratio Lower Upper
84 100
49 125.0 107.8 161.6
51 37.1 32.8 49.2
86 68.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.15 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

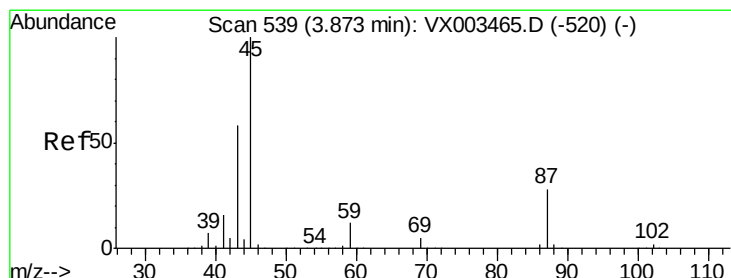
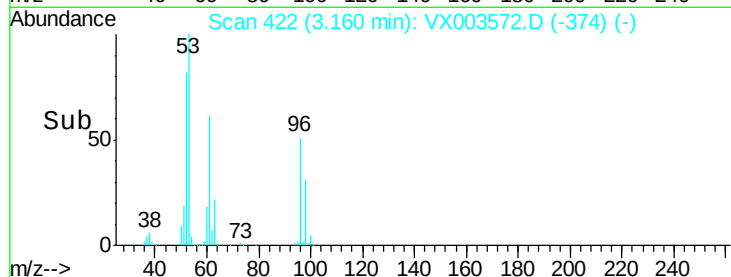
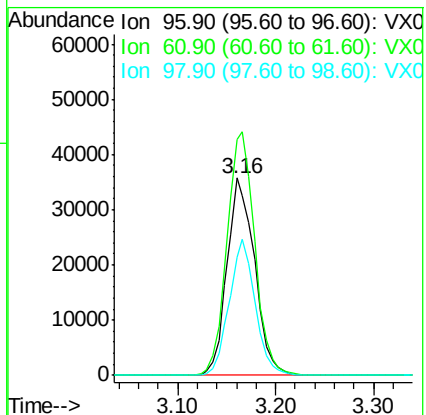
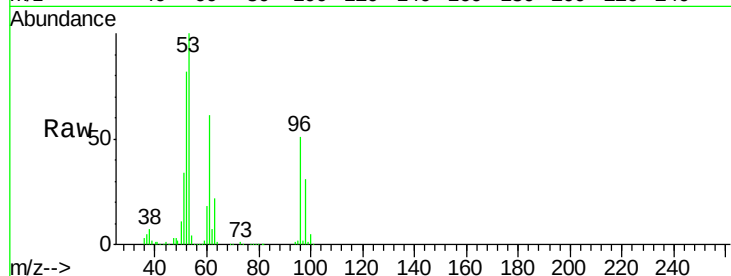
Tot Ion: 96 Resp: 70009

Ion Ratio Lower Upper

96 100

61 119.9 117.0 175.4

98 60.2 52.4 78.6



#22

Diisopropyl ether

Concen: 22.76 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Tgt Ion: 45 Resp: 236810

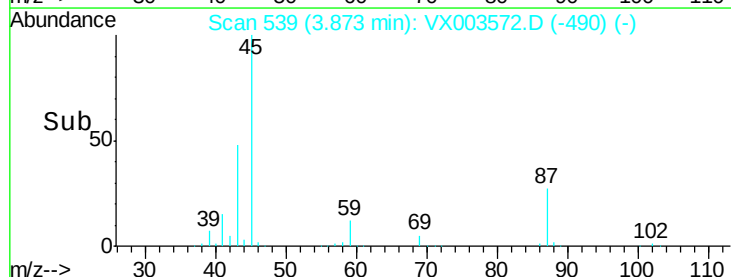
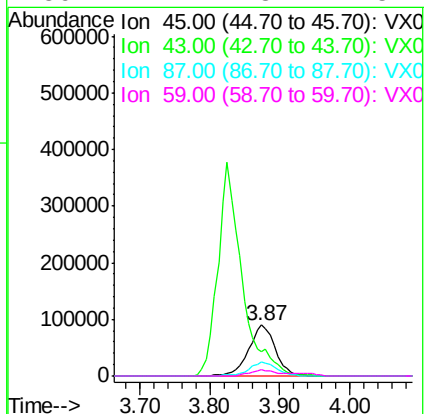
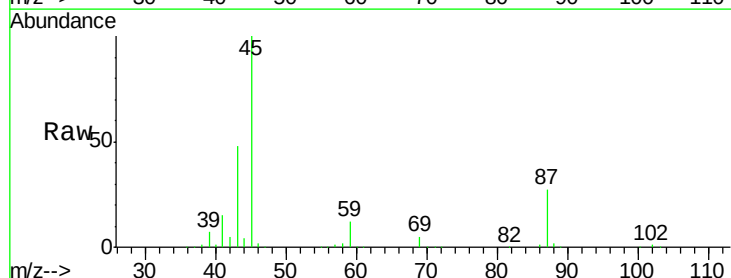
Ion Ratio Lower Upper

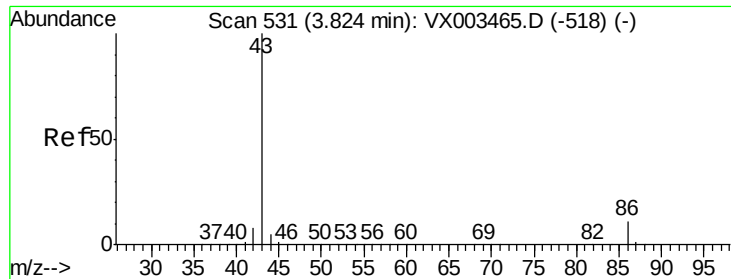
45 100

43 48.1 46.8 70.2

87 27.0 20.2 30.4

59 12.4 8.7 13.1





#23

Vinyl Acetate

Concen: 105.42 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

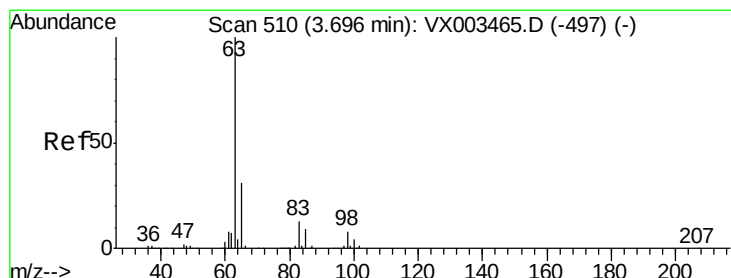
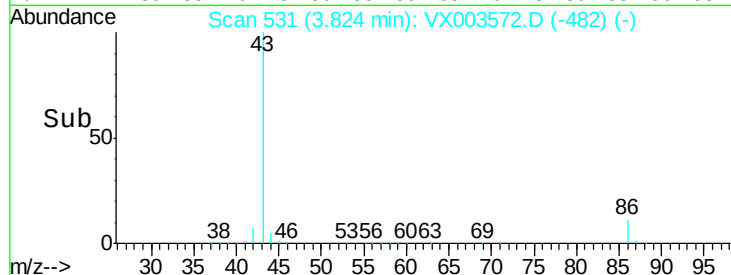
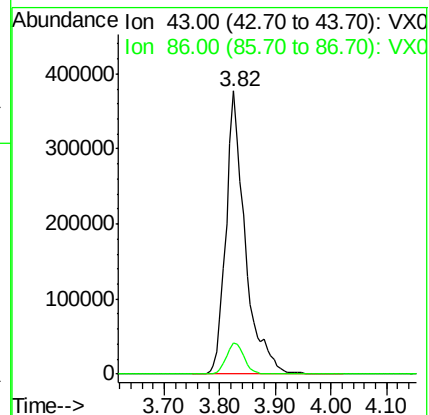
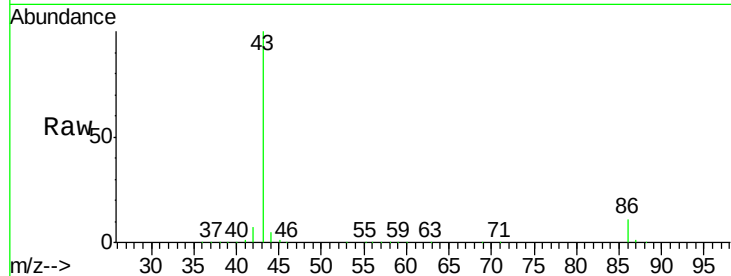
VX0721WBSD02

Tot Ion: 43 Resp: 903377

Ion Ratio Lower Upper

43 100

86 11.0 7.4 11.0



#24

1,1-Dichloroethane

Concen: 21.63 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

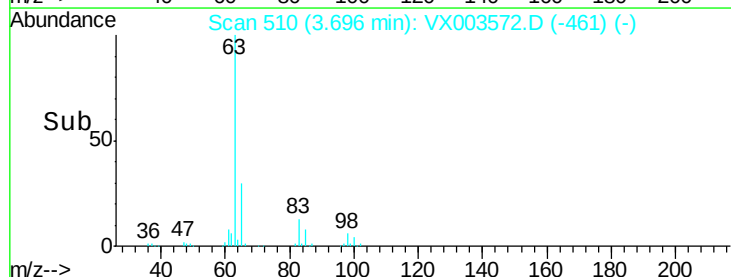
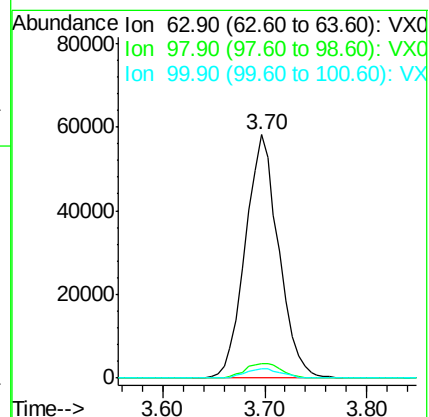
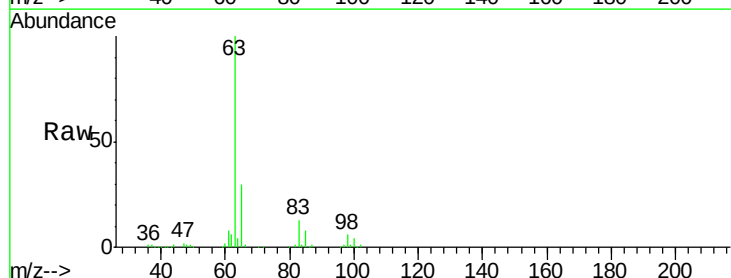
Tgt Ion: 63 Resp: 132041

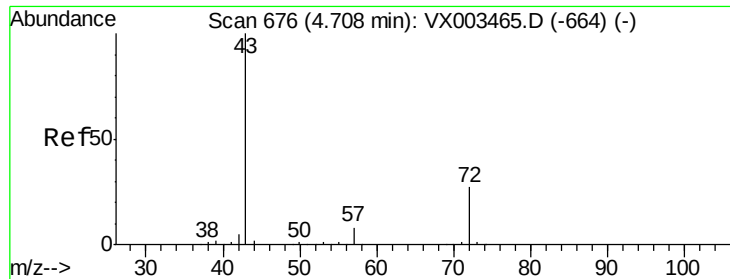
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 112.21 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

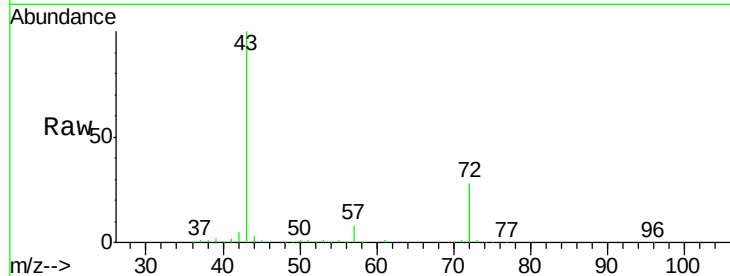
VX0721WBSD02

Tot Ion: 43 Resp: 257415

Ion Ratio Lower Upper

43 100

72 28.1 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

100000

80000

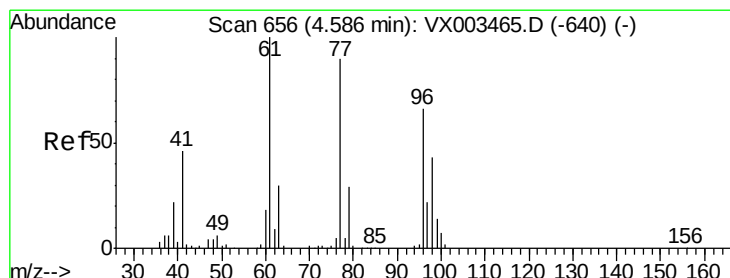
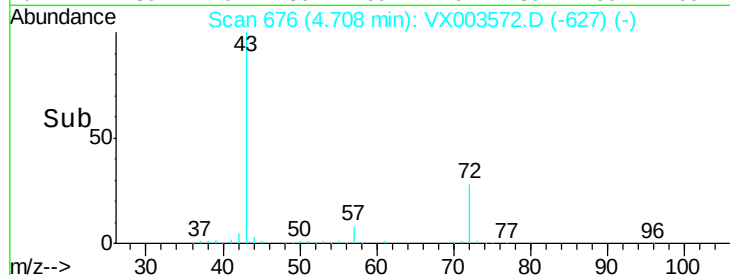
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 16.46 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX003572.D

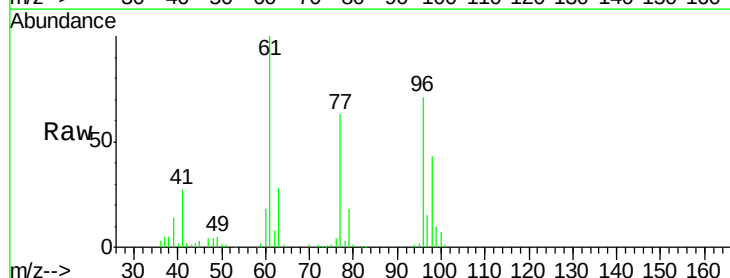
Acq: 21 Jul 2018 23:44

Tgt Ion: 77 Resp: 76324

Ion Ratio Lower Upper

77 100

97 25.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

25000

20000

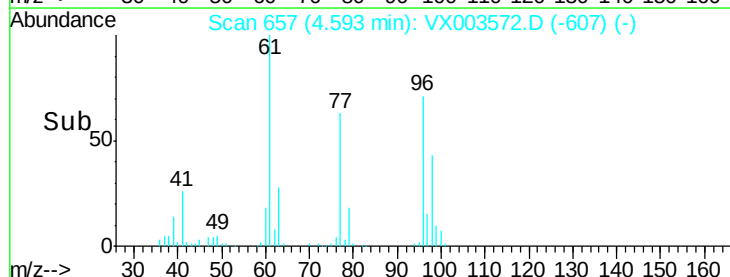
15000

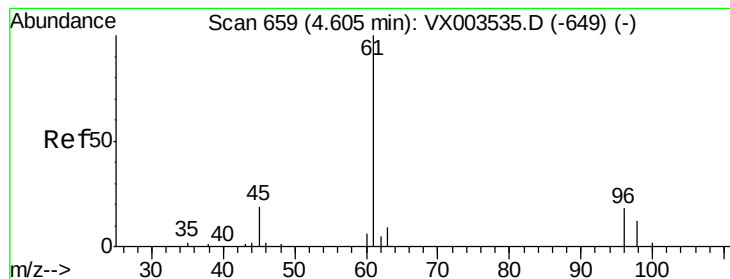
10000

5000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.72 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

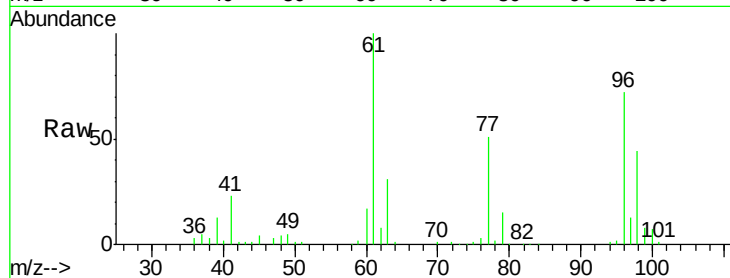
Tot Ion: 96 Resp: 84025

Ion Ratio Lower Upper

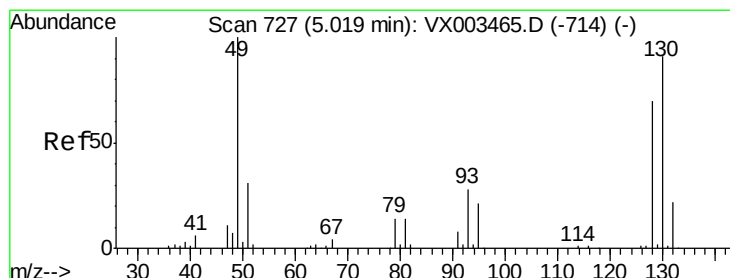
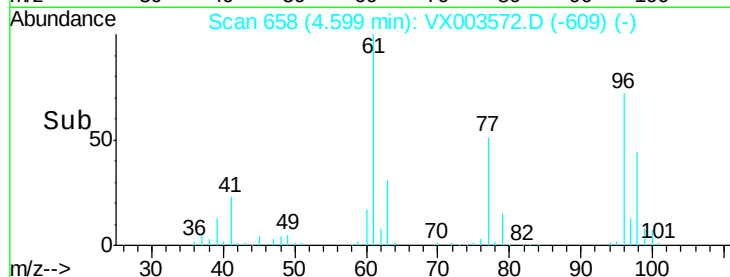
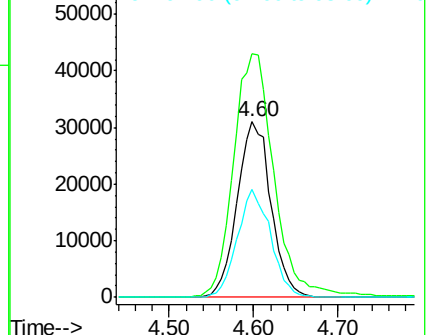
96 100

61 166.8 0.0 330.2

98 60.7 0.0 130.2



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



#28

Bromochloromethane

Concen: 21.87 ug/l

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

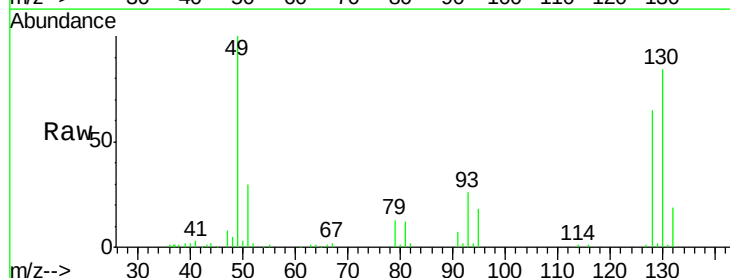
Tgt Ion: 49 Resp: 58349

Ion Ratio Lower Upper

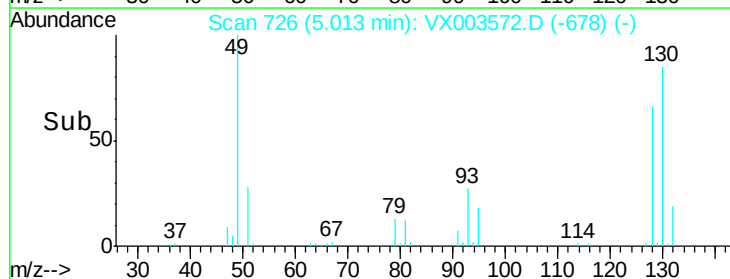
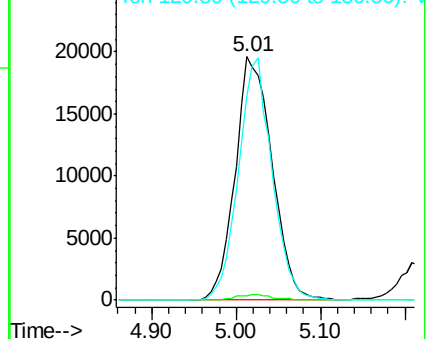
49 100

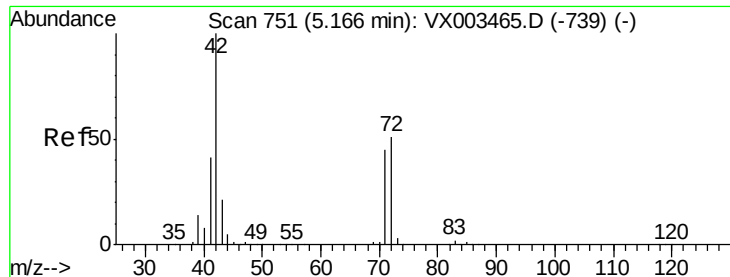
129 2.2 0.0 4.2

130 90.0 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

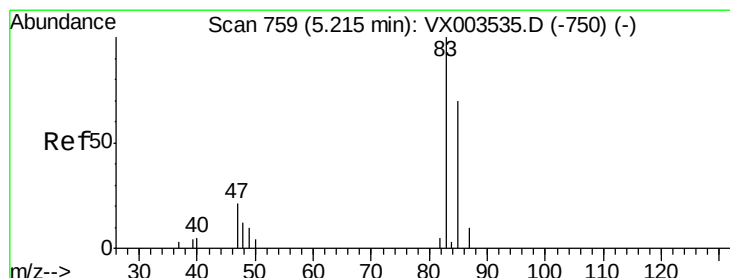
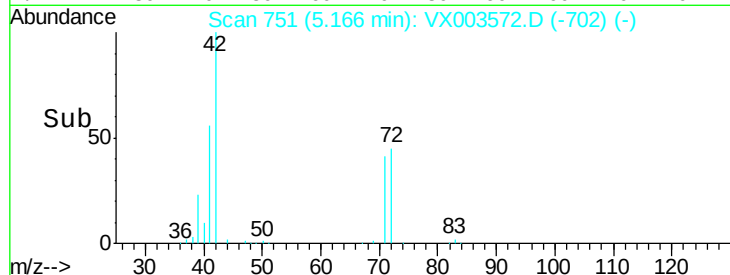
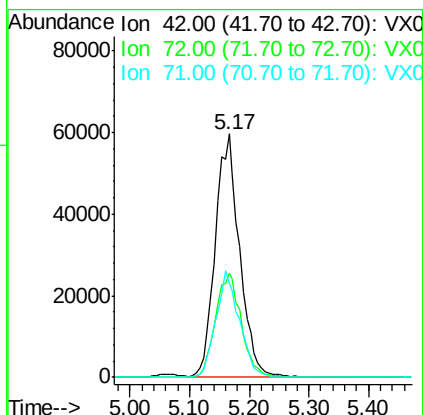
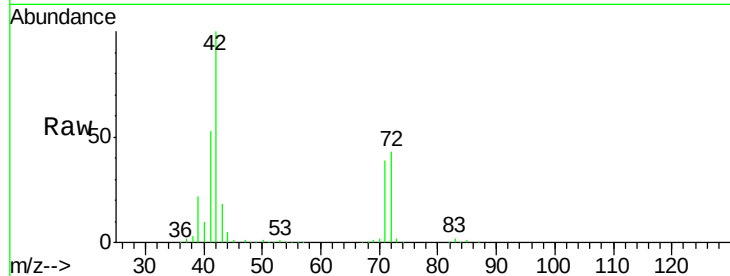




#29
Tetrahydrofuran
Concen: 111.16 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

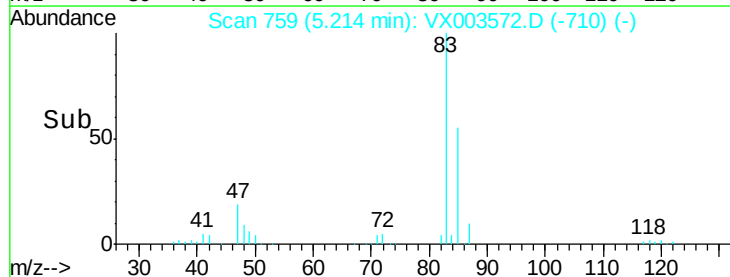
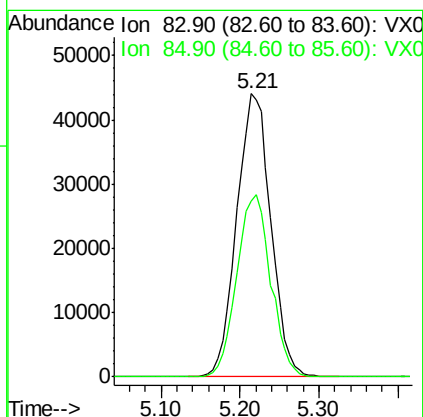
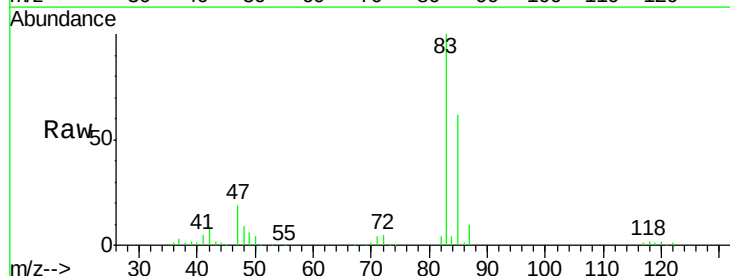
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

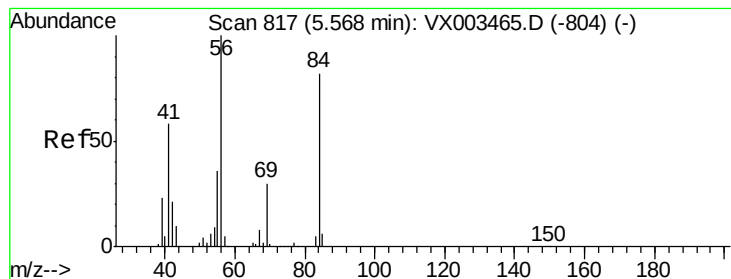
Tot Ion: 42 Resp: 168449
Ion Ratio Lower Upper
42 100
72 45.3 32.0 48.0
71 42.4 30.1 45.1



#30
Chloroform
Concen: 22.22 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion: 83 Resp: 132413
Ion Ratio Lower Upper
83 100
85 62.3 50.4 75.6





#31

Cyclohexane

Concen: 19.47 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

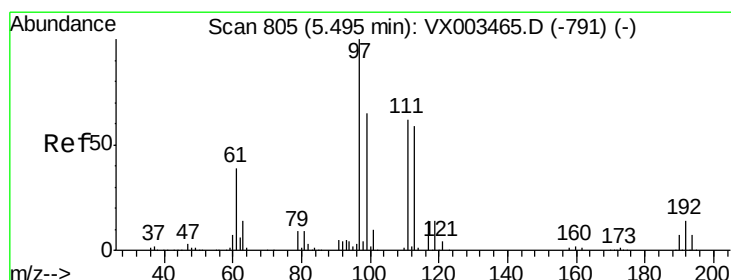
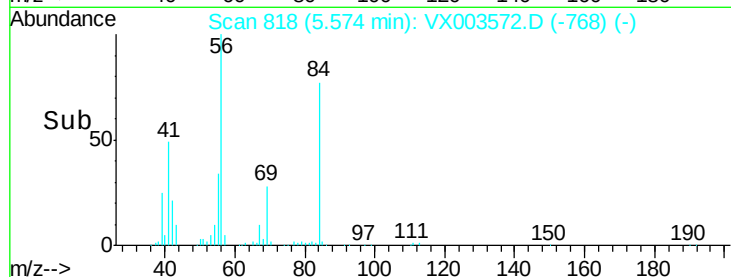
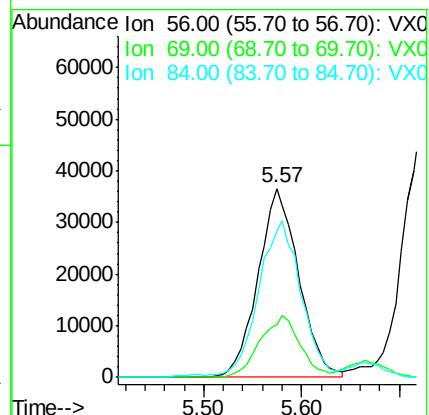
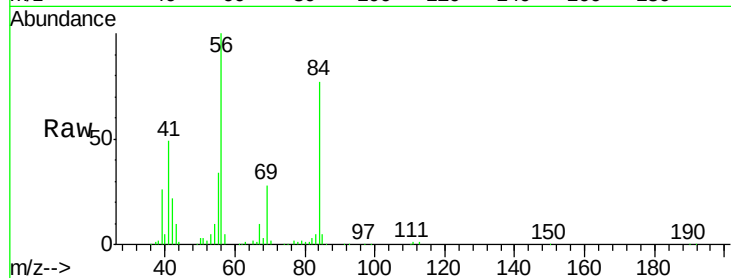
Tot Ion: 56 Resp: 106208

Ion Ratio Lower Upper

56 100

69 27.7 23.7 35.5

84 75.8 64.1 96.1



#32

1,1,1-Trichloroethane

Concen: 20.77 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

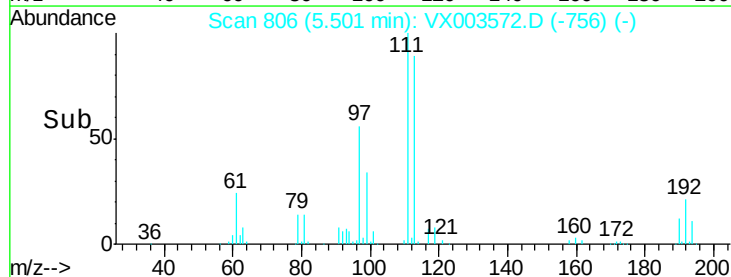
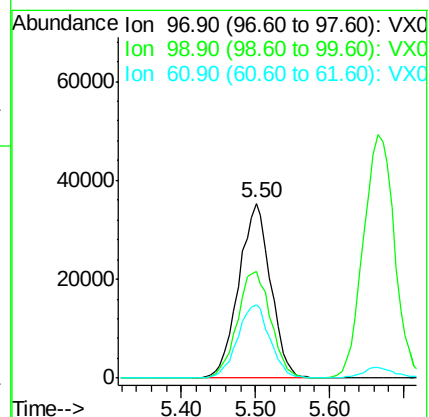
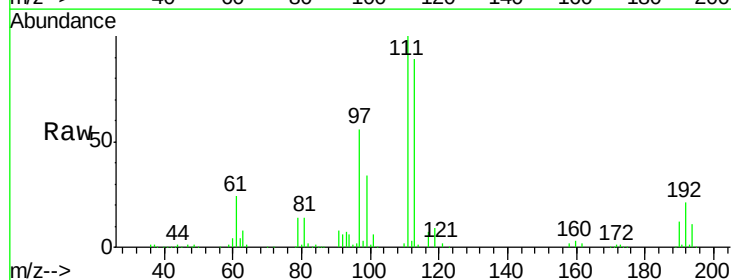
Tgt Ion: 97 Resp: 105989

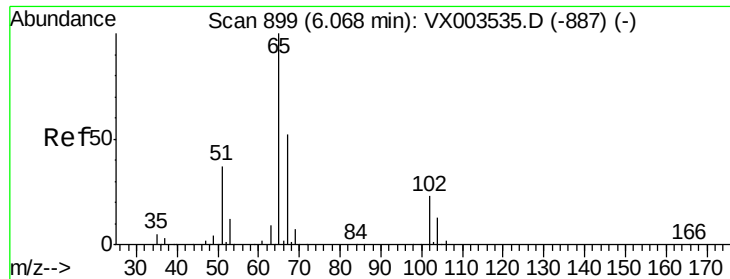
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 42.7 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 50.67 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

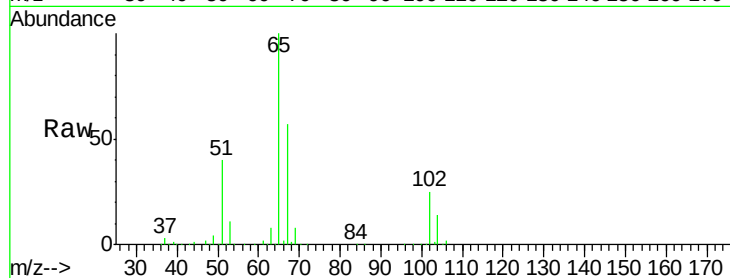
VX0721WBSD02

Tot Ion: 65 Resp: 183403

Ion Ratio Lower Upper

65 100

67 54.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

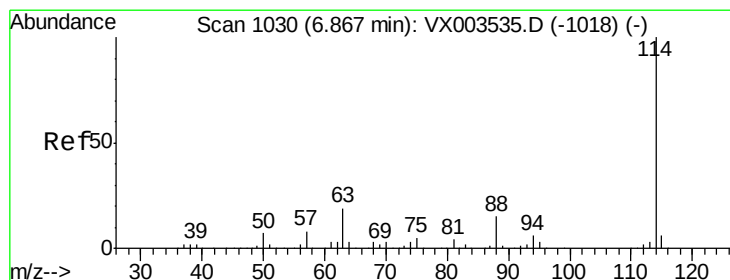
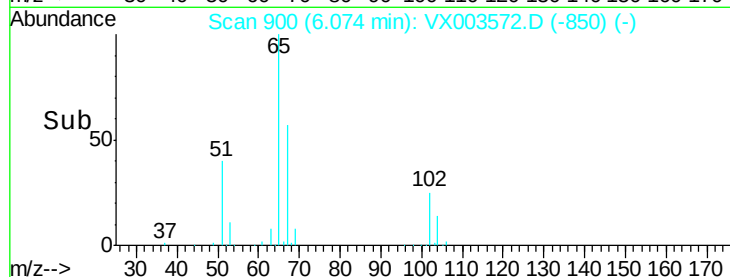
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

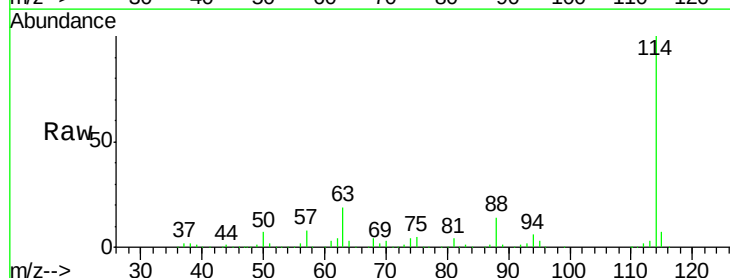
Tgt Ion: 114 Resp: 404347

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.4

88 14.5 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

200000

150000

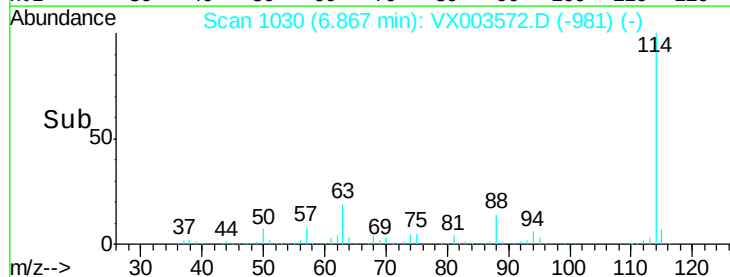
100000

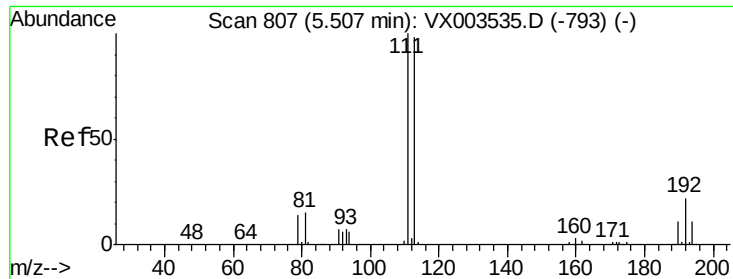
50000

0

Time-->

6.80 7.00 7.20





#35

Dibromofluoromethane

Concen: 53.68 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

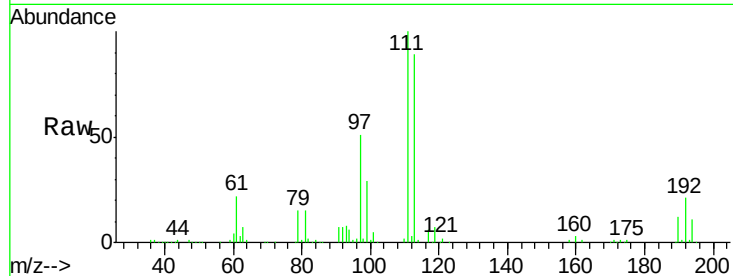
Tot Ion:113 Resp: 165317

Ion Ratio Lower Upper

113 100

111 108.4 81.4 122.0

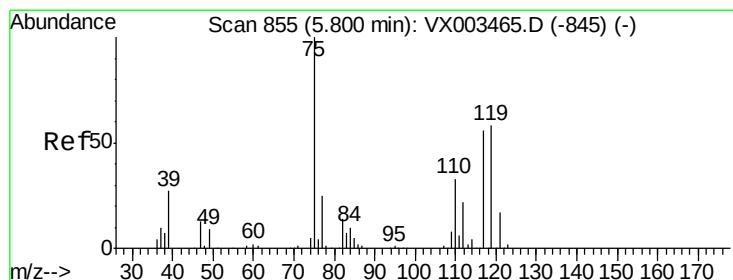
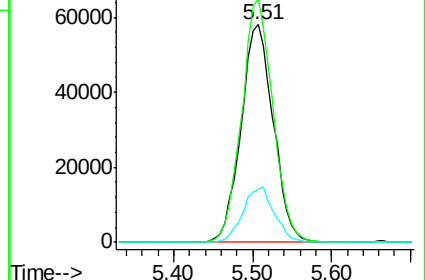
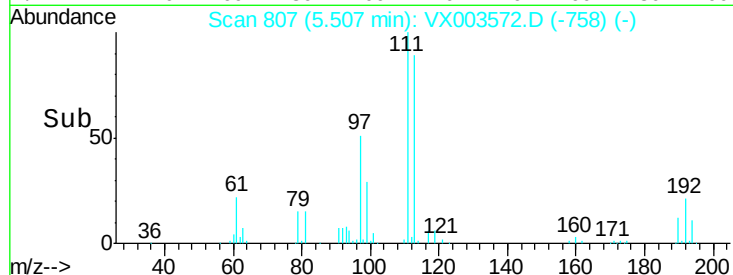
192 24.8 19.1 28.7



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: 19.85 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

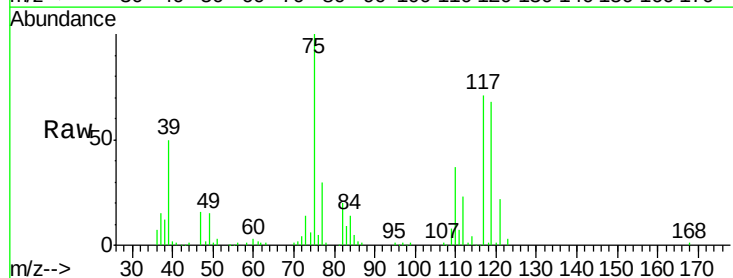
Tgt Ion: 75 Resp: 86657

Ion Ratio Lower Upper

75 100

110 38.5 18.1 54.4

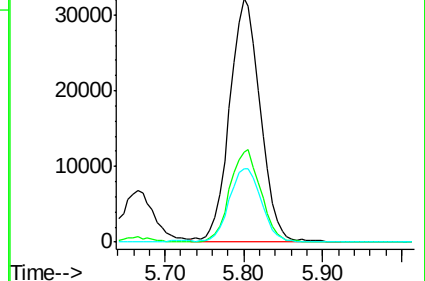
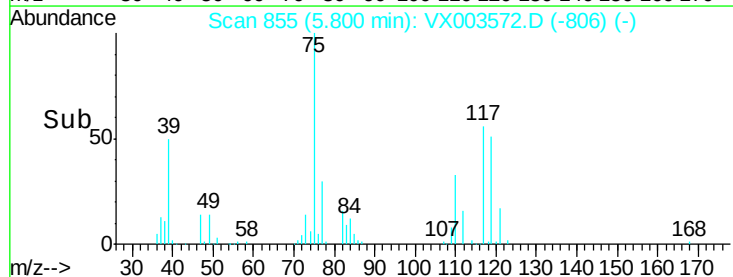
77 31.5 24.3 36.5

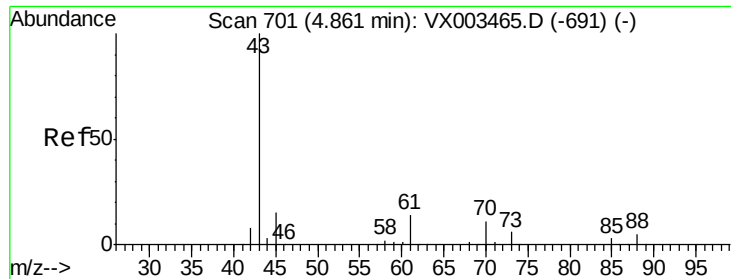


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

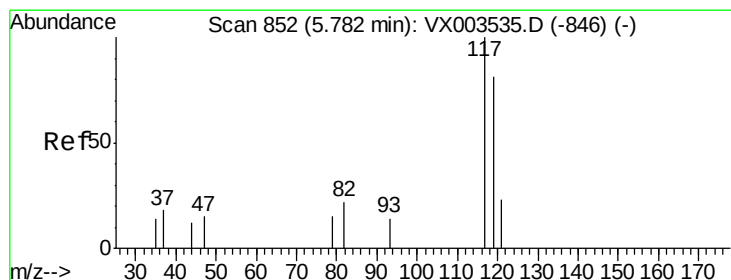
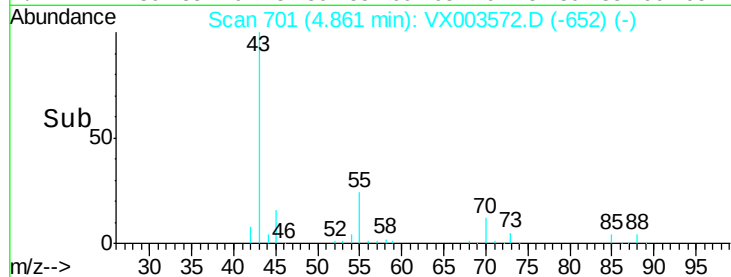
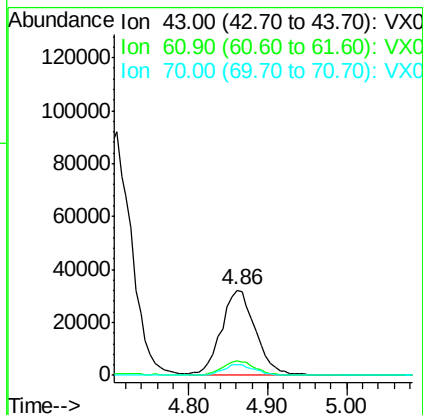
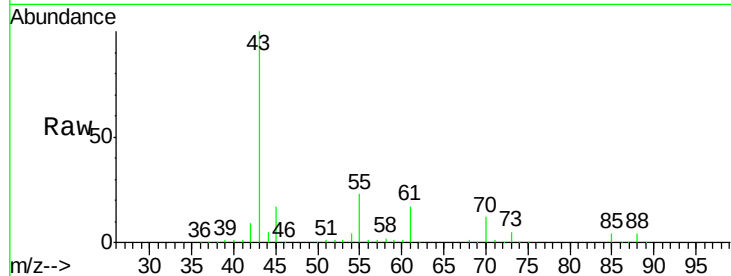




#37
Ethyl Acetate
Concen: 23.21 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

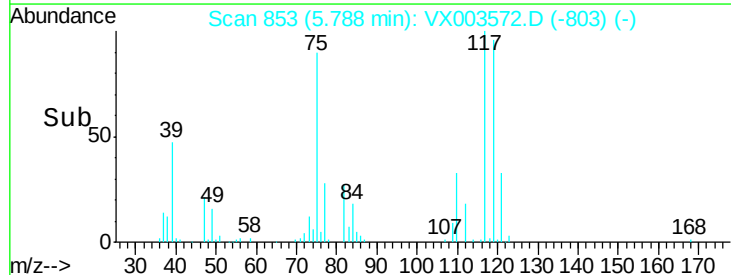
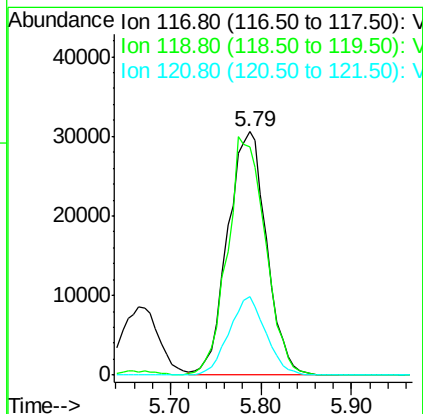
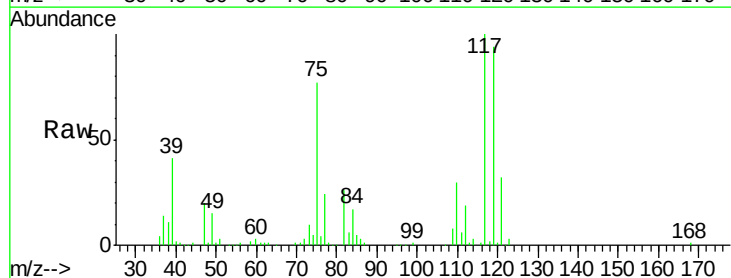
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

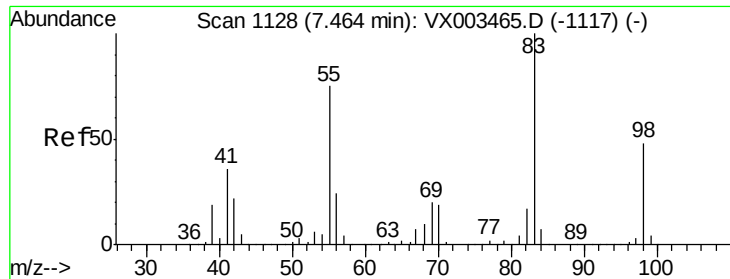
Tot Ion: 43 Resp: 95879
Ion Ratio Lower Upper
43 100
61 15.9 10.4 15.6#
70 11.9 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 21.26 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion: 117 Resp: 91053
Ion Ratio Lower Upper
117 100
119 93.9 77.4 116.0
121 32.2 24.4 36.6

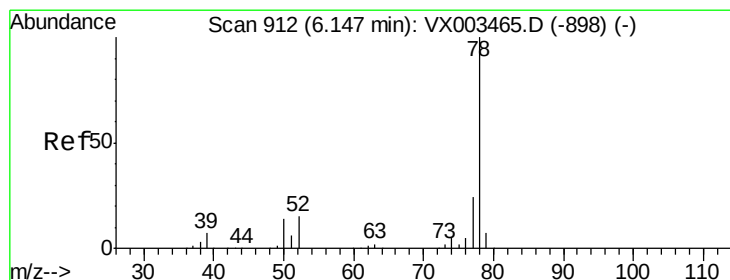
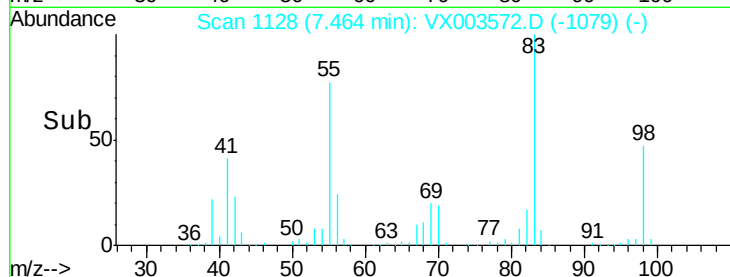
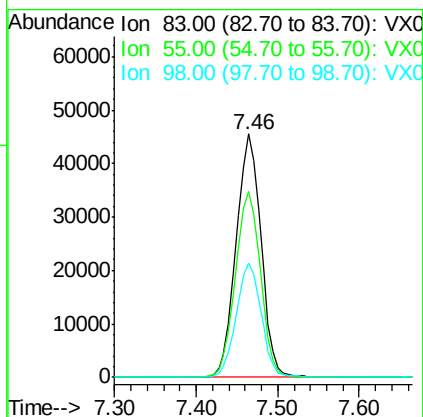
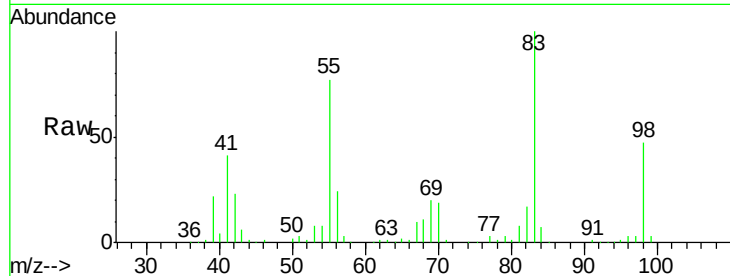




#39
Methylvlcyclohexane
Concen: 18.53 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

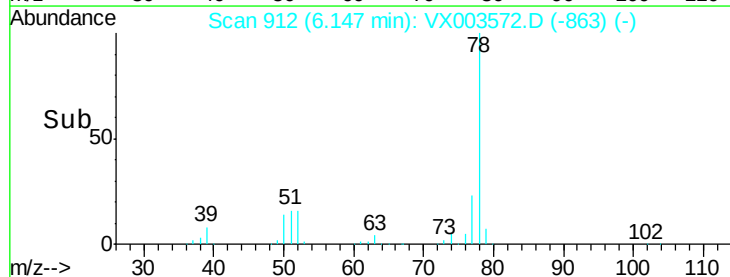
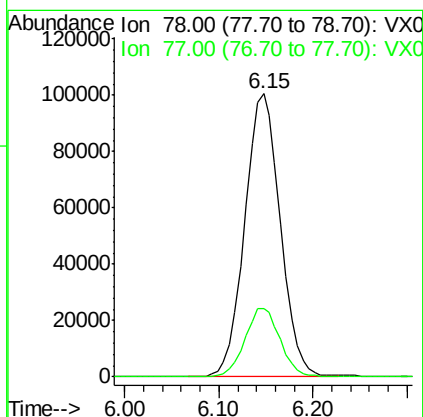
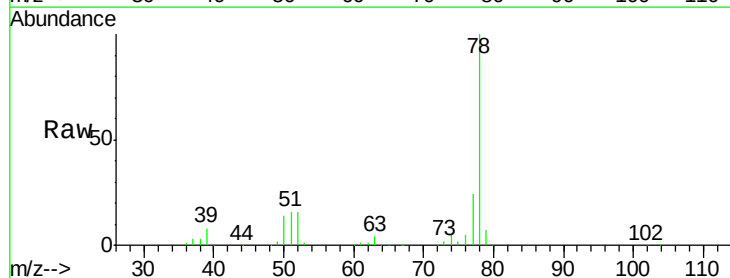
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

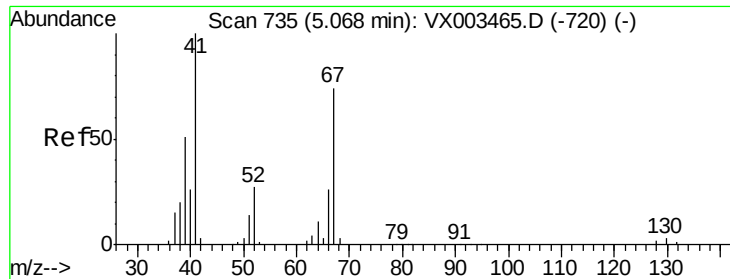
Tot Ion: 83 Resp: 95811
Ion Ratio Lower Upper
83 100
55 76.6 65.4 98.0
98 46.8 37.4 56.0



#40
Benzene
Concen: 20.21 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion: 78 Resp: 266328
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7





#41

Methacrylonitrile

Concen: 24.59 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

Tot Ion: 41 Resp: 59714

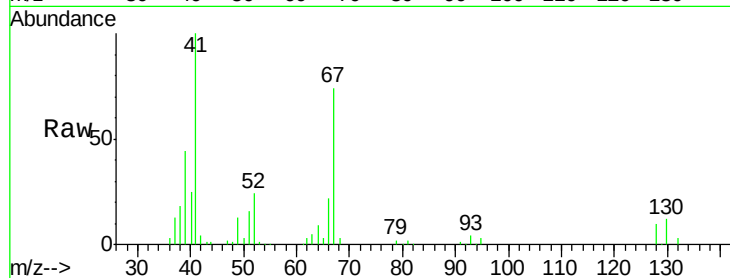
Ion Ratio Lower Upper

41 100

39 49.3 45.8 68.6

67 73.4 51.3 76.9

52 26.8 23.0 34.6

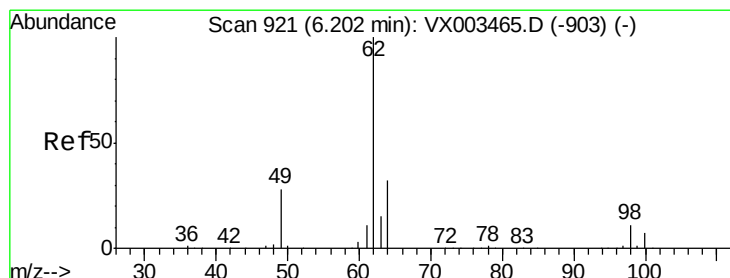
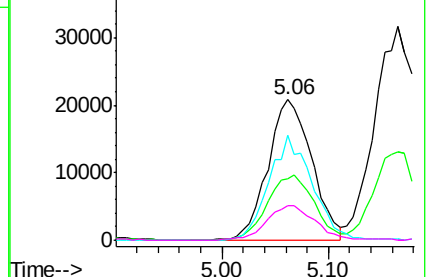
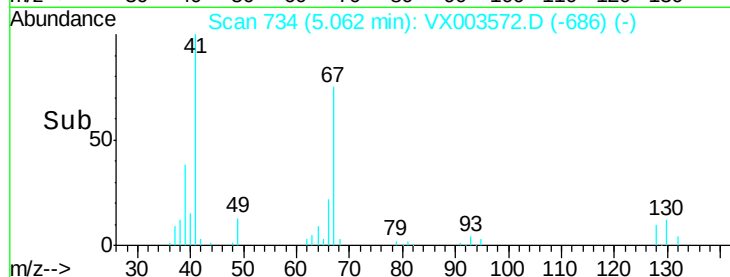


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 22.09 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003572.D

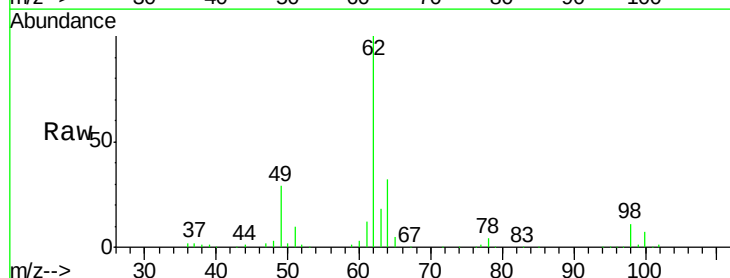
Acq: 21 Jul 2018 23:44

Tgt Ion: 62 Resp: 91744

Ion Ratio Lower Upper

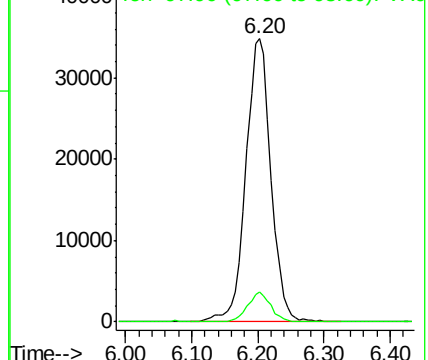
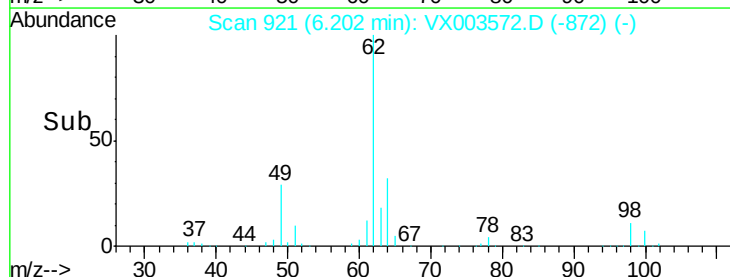
62 100

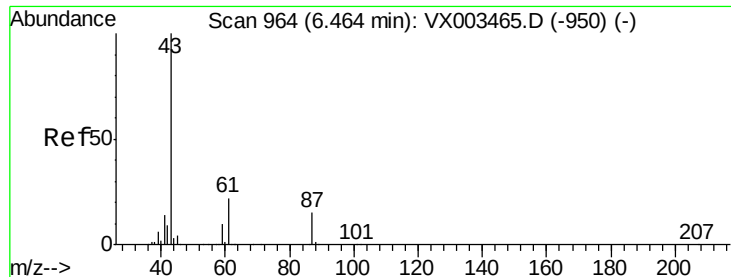
98 9.7 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.03 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

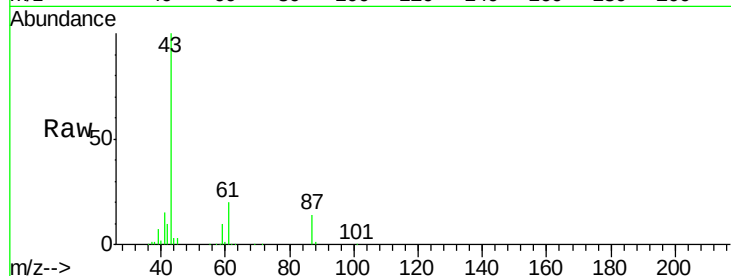
Tot Ion: 43 Resp: 138172

Ion Ratio Lower Upper

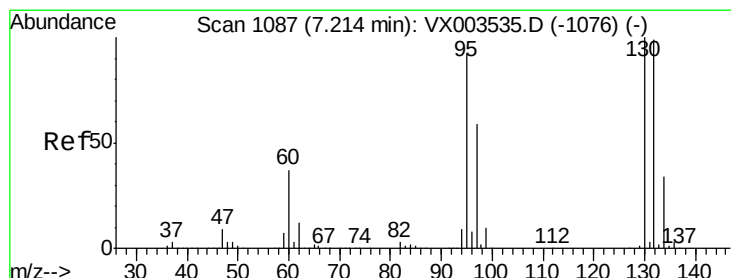
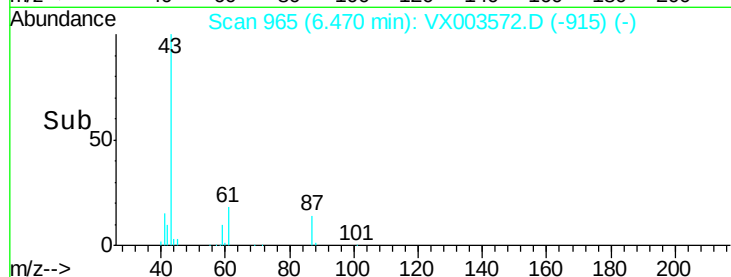
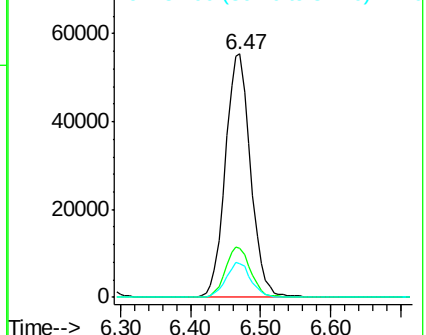
43 100

61 20.7 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: 20.04 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003572.D

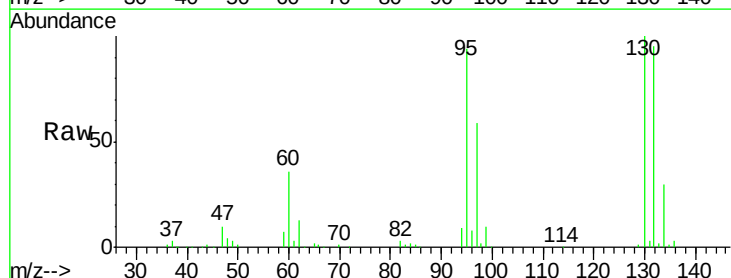
Acq: 21 Jul 2018 23:44

Tgt Ion:130 Resp: 78767

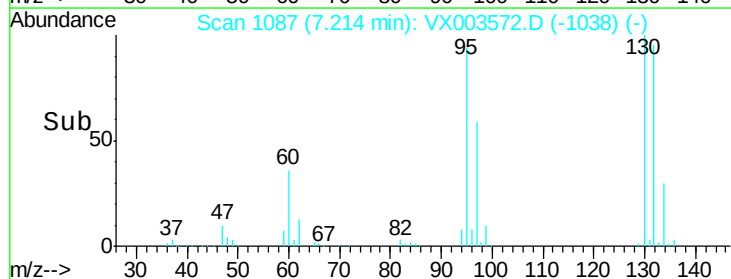
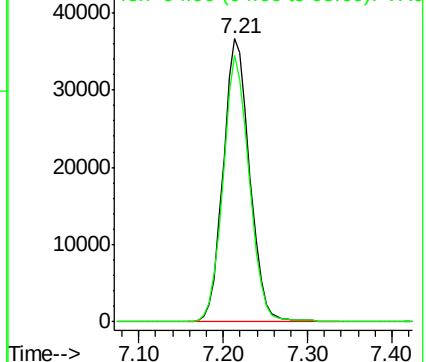
Ion Ratio Lower Upper

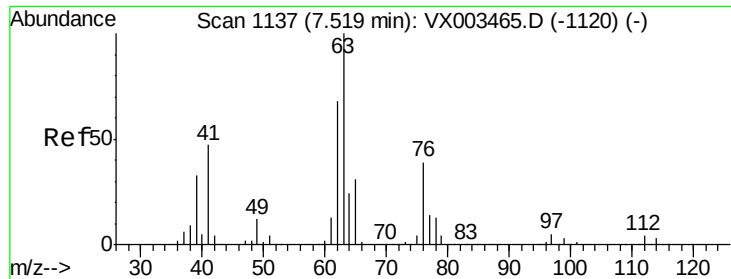
130 100

95 94.3 0.0 185.4



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

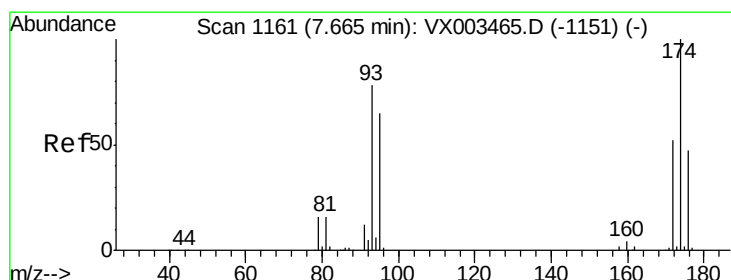
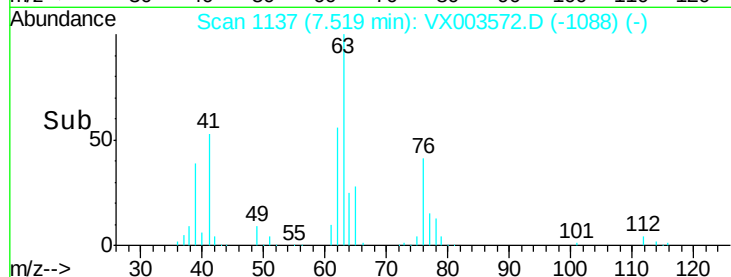
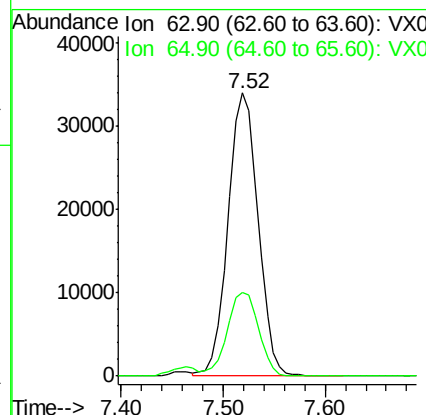
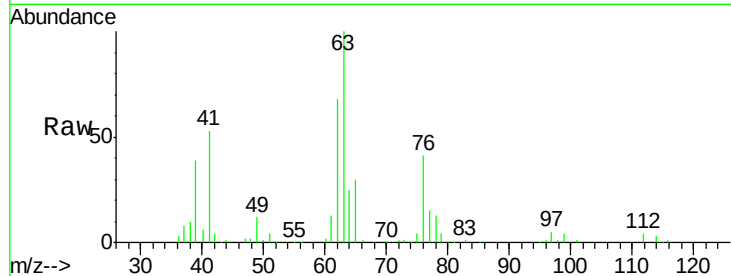




#45
 1,2-Dichloropropane
 Concen: 20.69 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

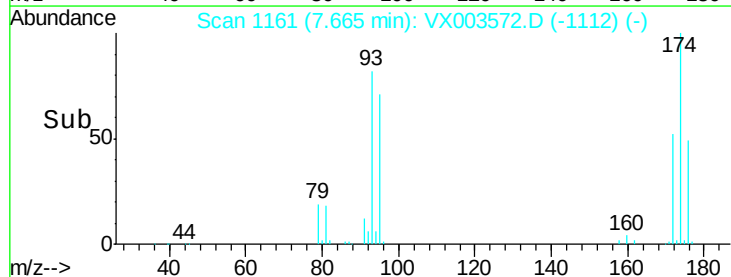
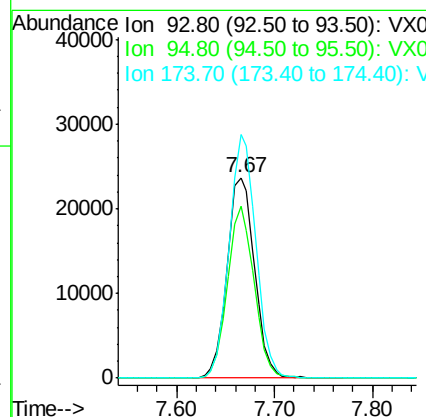
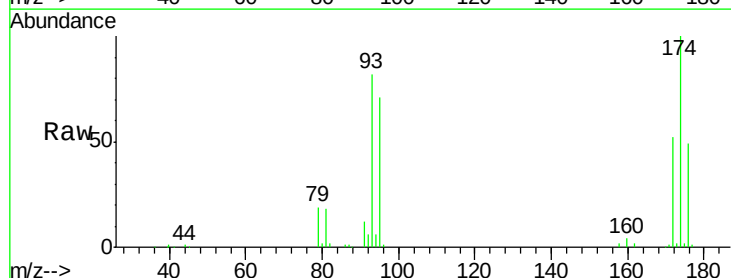
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

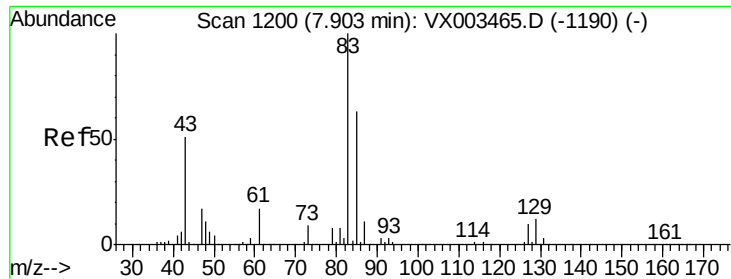
Tot Ion: 63 Resp: 69254
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.7 37.1



#46
 Dibromomethane
 Concen: 21.53 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion: 93 Resp: 46395
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.9 98.9
 174 117.9 92.4 138.6





#47

Bromodichloromethane

Concen: 21.04 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

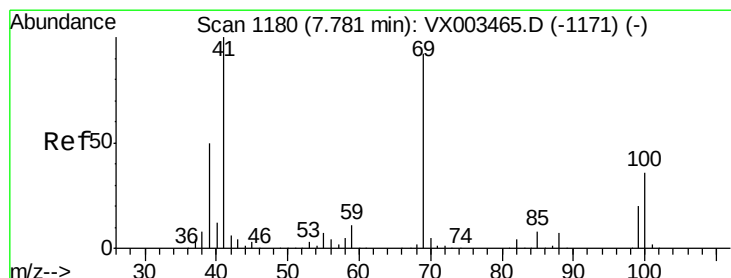
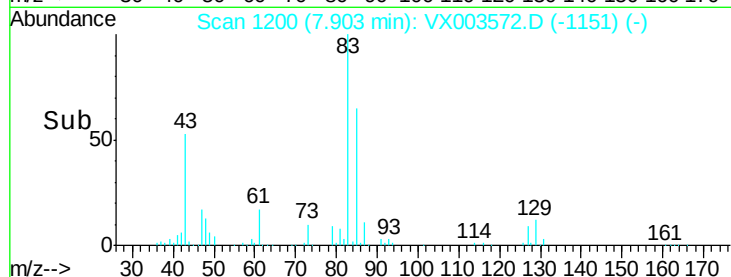
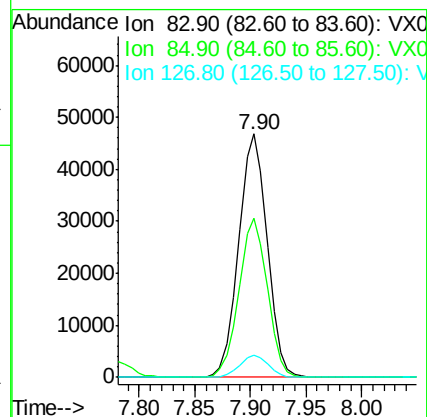
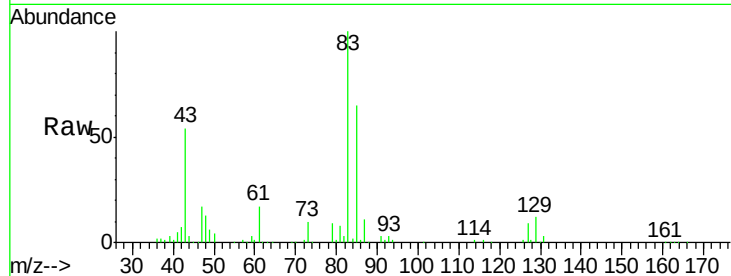
Tot Ion: 83 Resp: 82982

Ion Ratio Lower Upper

83 100

85 65.3 50.3 75.5

127 9.1 7.0 10.4



#48

Methyl methacrylate

Concen: 21.55 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

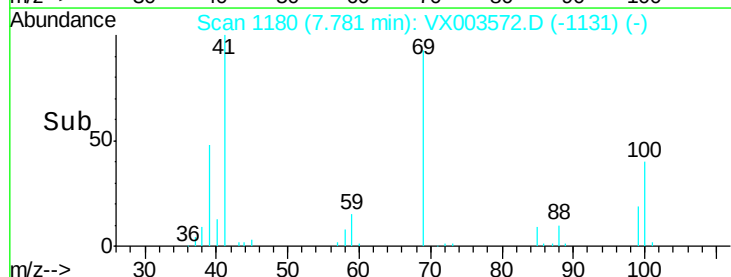
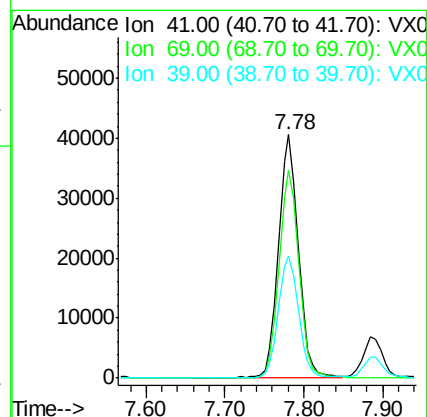
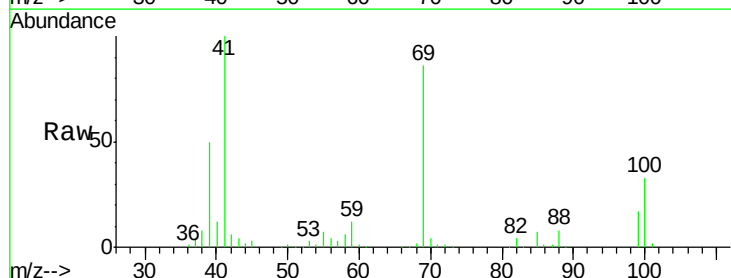
Tgt Ion: 41 Resp: 71428

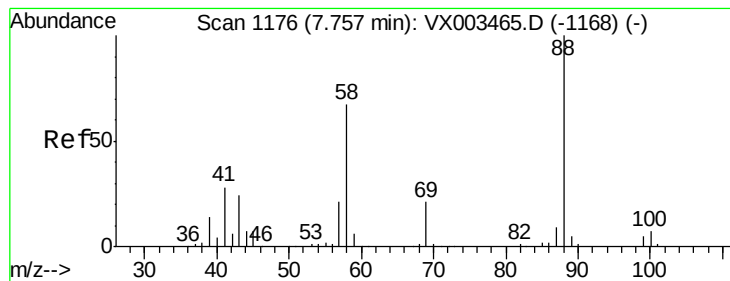
Ion Ratio Lower Upper

41 100

69 85.5 59.1 88.7

39 51.2 48.9 73.3

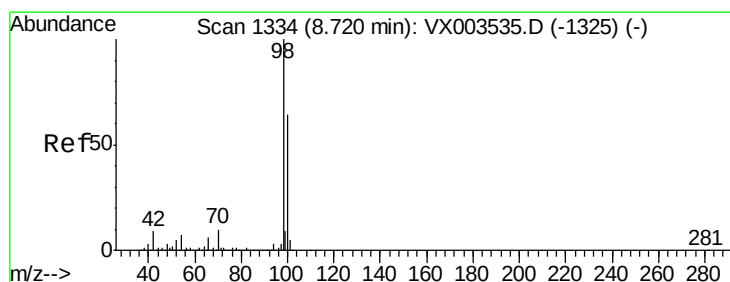
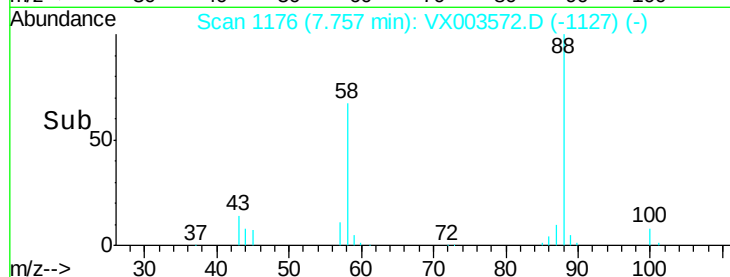
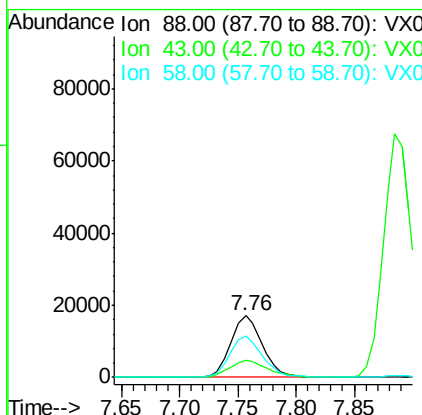
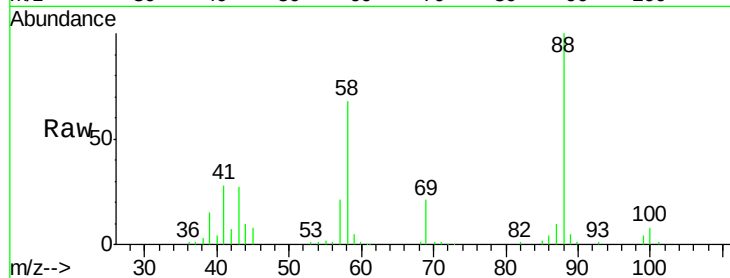




#49
 1,4-Dioxane
 Concen: 428.80 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

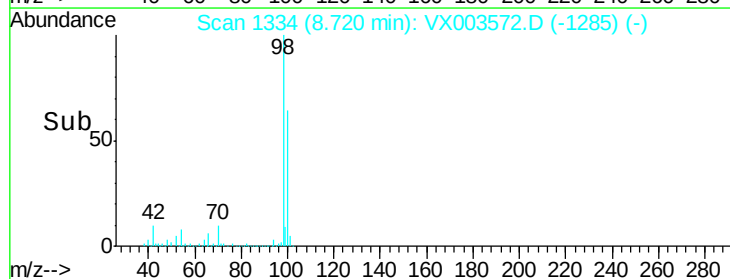
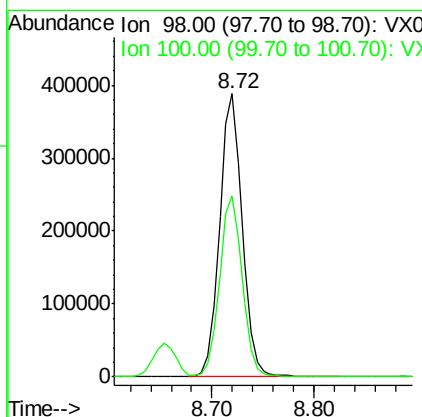
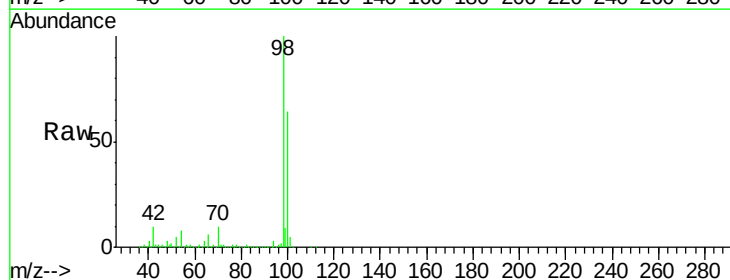
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

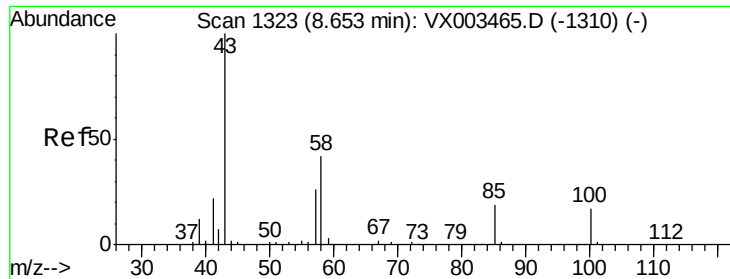
Tot Ion: 88 Resp: 32197
 Ion Ratio Lower Upper
 88 100
 43 34.3 29.8 44.6
 58 71.0 57.1 85.7



#50
 Toluene-d8
 Concen: 51.88 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion: 98 Resp: 600563
 Ion Ratio Lower Upper
 98 100
 100 64.5 50.9 76.3

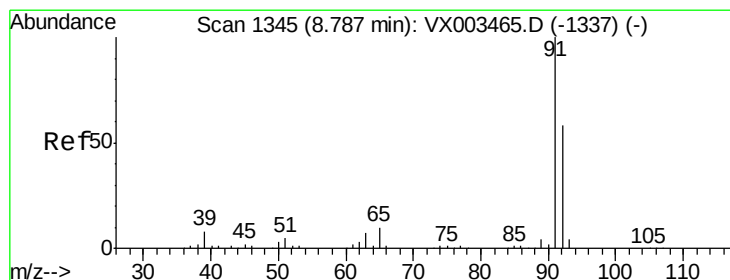
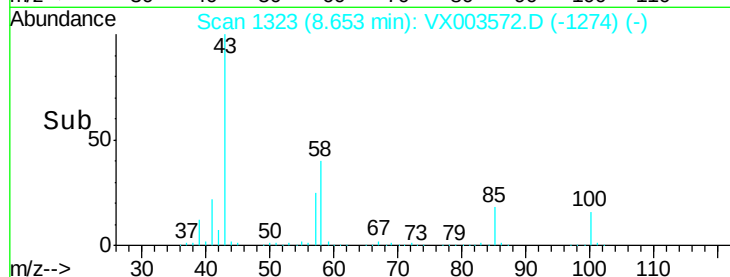
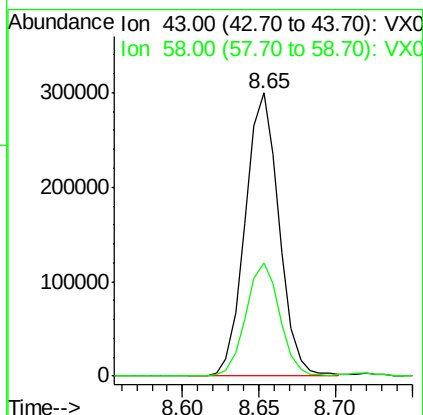
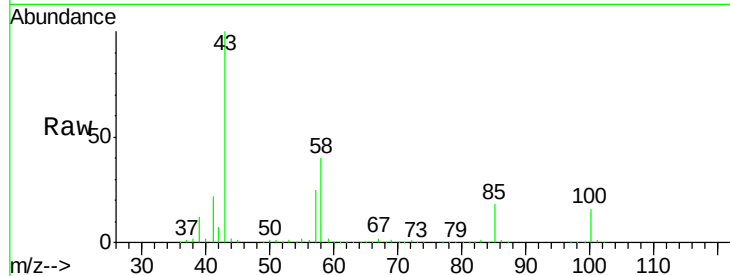




#51
4-Methyl-2-Pentanone
Concen: 111.18 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

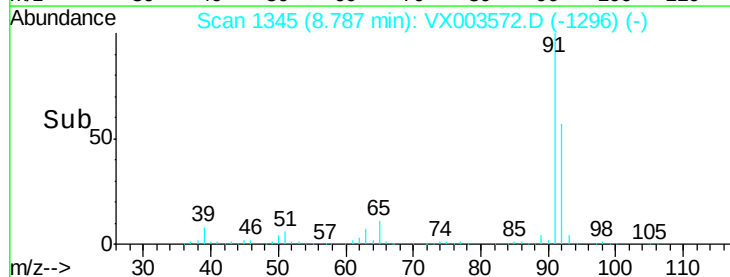
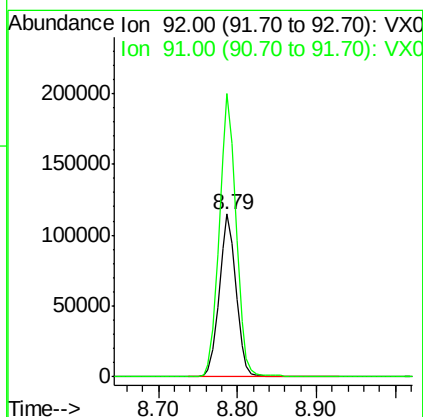
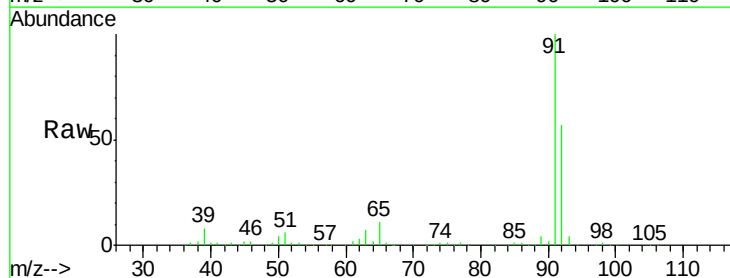
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

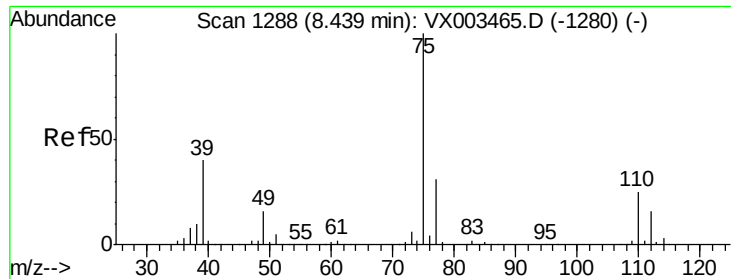
Tot Ion: 43 Resp: 461556
Ion Ratio Lower Upper
43 100
58 39.8 28.6 42.8



#52
Toluene
Concen: 20.65 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion: 92 Resp: 171309
Ion Ratio Lower Upper
92 100
91 174.2 140.4 210.6

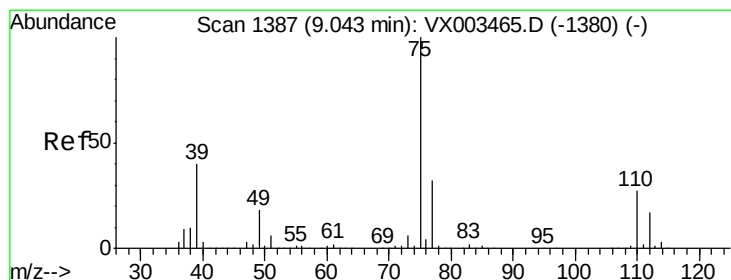
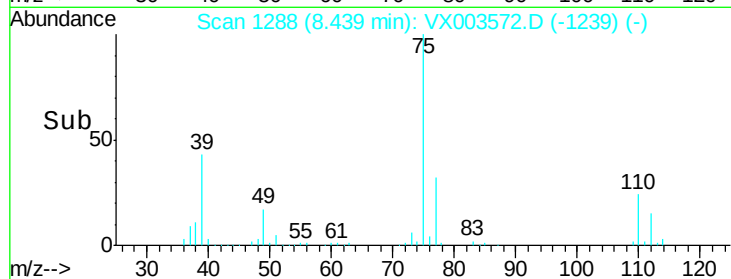
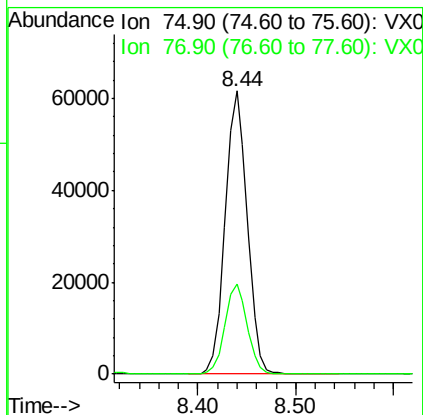
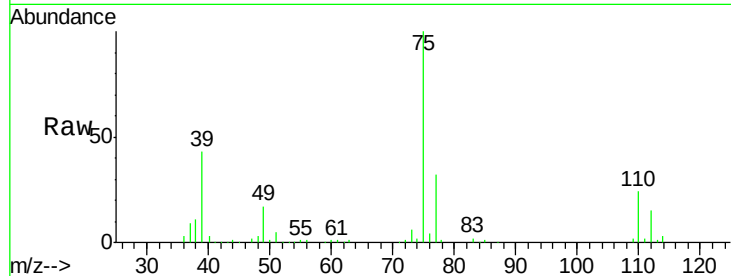




#53
 t-1,3-Dichloropropene
 Concen: 19.87 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

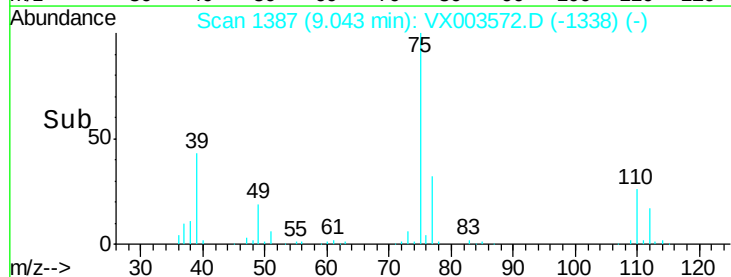
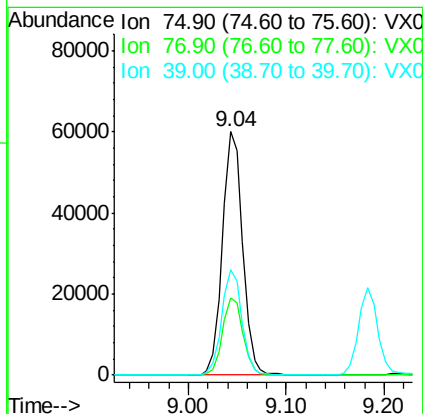
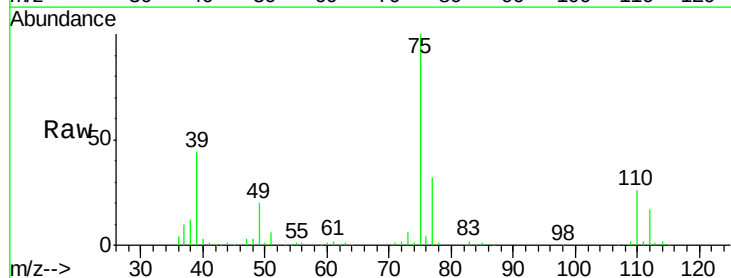
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

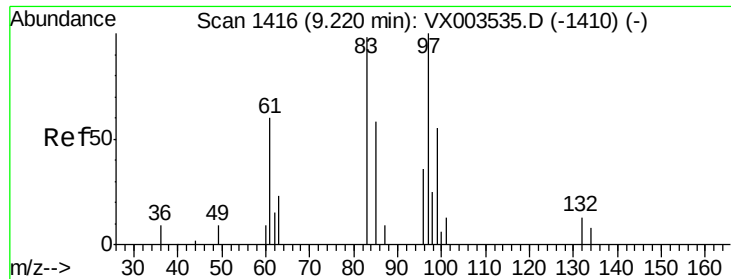
Tot Ion: 75 Resp: 96459
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.69 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion: 75 Resp: 85955
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.8 37.2
 39 43.3 42.4 63.6

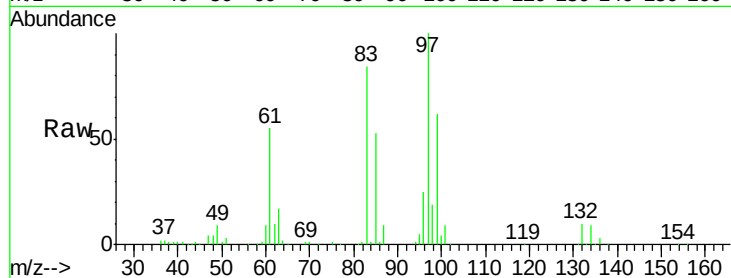




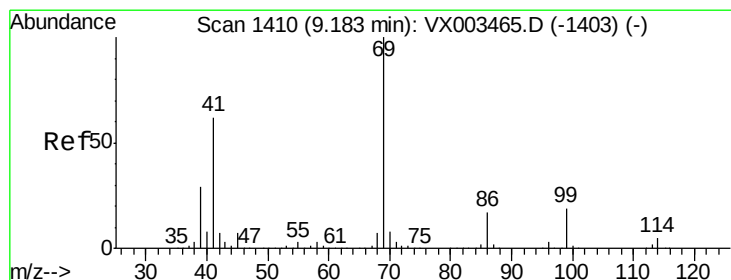
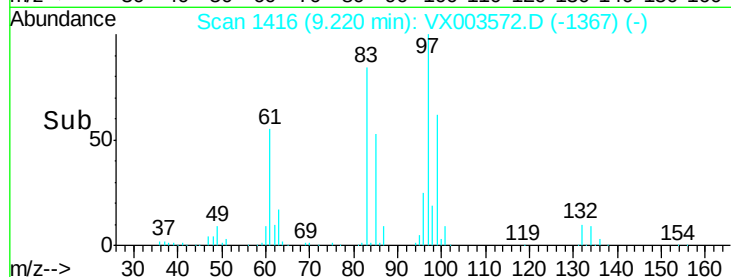
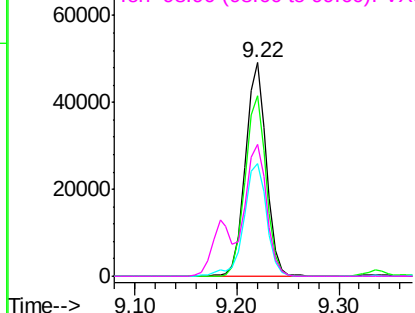
#55
 1,1,2-Trichloroethane
 Concen: 21.12 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

Tot Ion: 97 Resp: 69738
 Ion Ratio Lower Upper
 97 100
 83 84.2 70.2 105.2
 85 52.8 44.9 67.3
 99 61.6 49.8 74.8

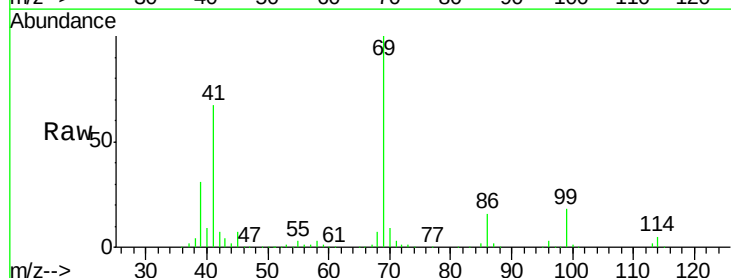


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

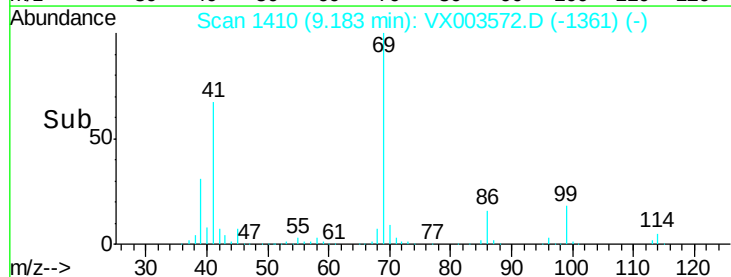
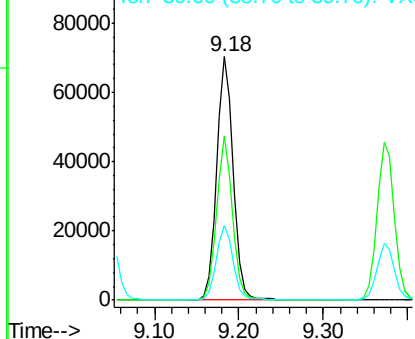


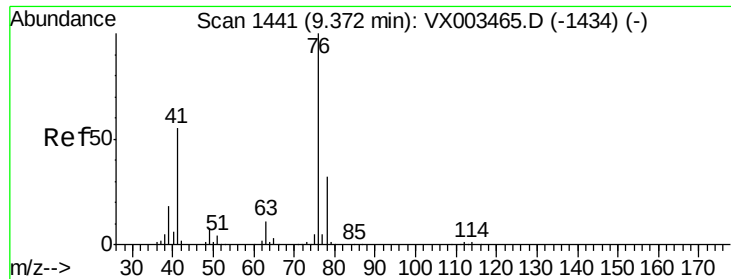
#56
 Ethyl methacrylate
 Concen: 20.58 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion: 69 Resp: 95697
 Ion Ratio Lower Upper
 69 100
 41 64.9 60.3 90.5
 39 30.8 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

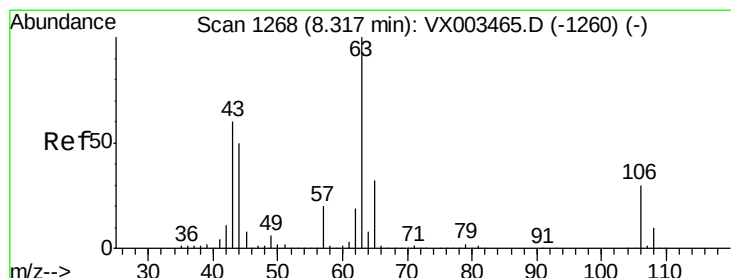
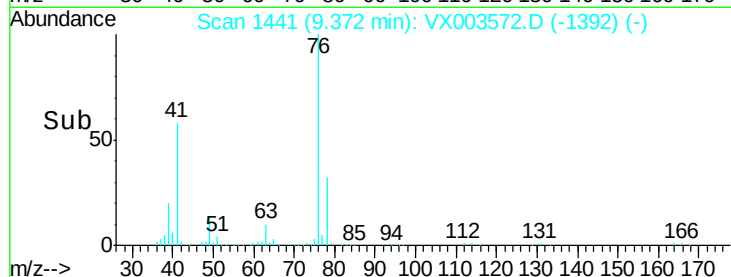
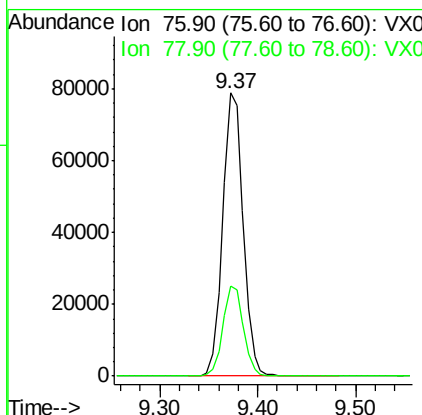
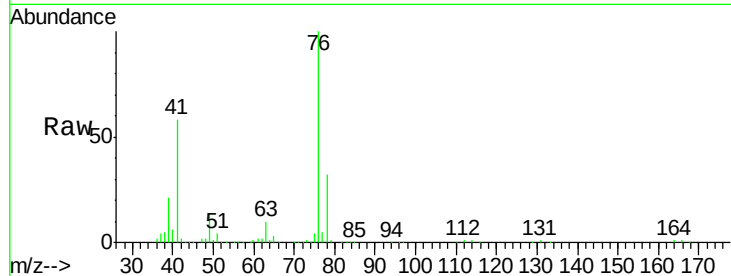




#57
 1,3-Dichloropropane
 Concen: 21.43 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

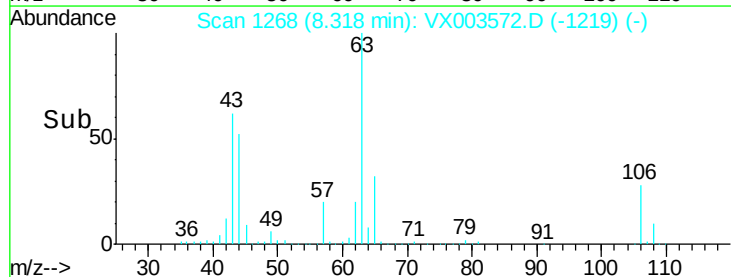
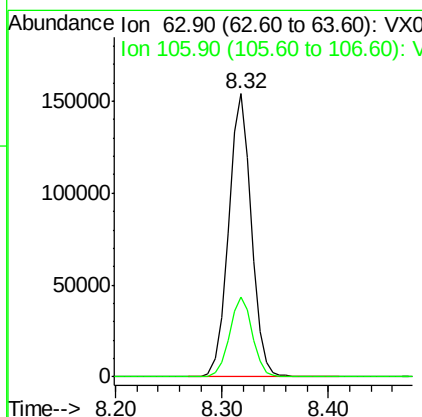
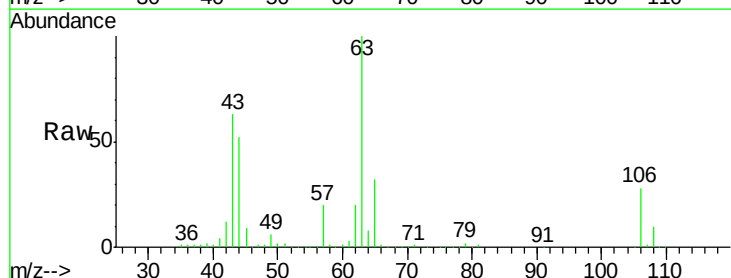
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

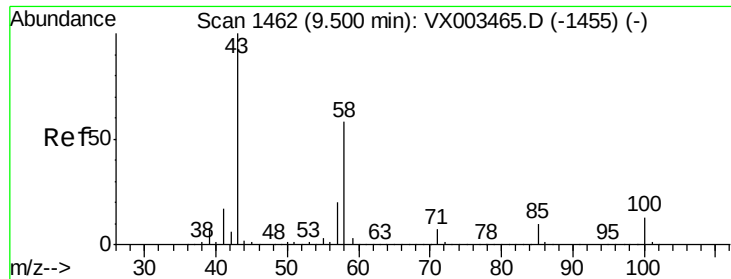
Tot Ion: 76 Resp: 114357
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.30 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion: 63 Resp: 231314
 Ion Ratio Lower Upper
 63 100
 106 28.1 21.8 32.8

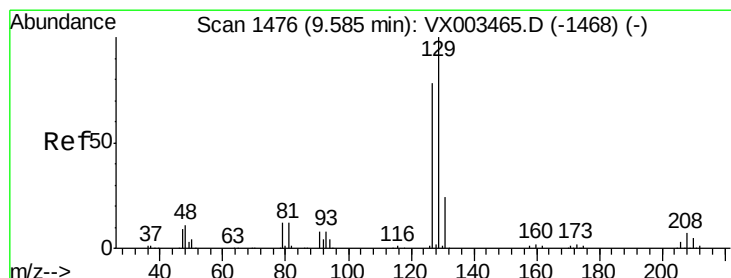
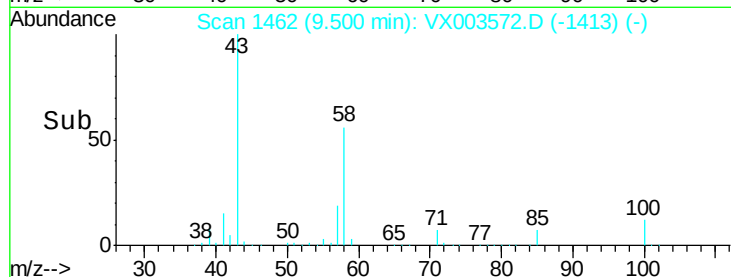
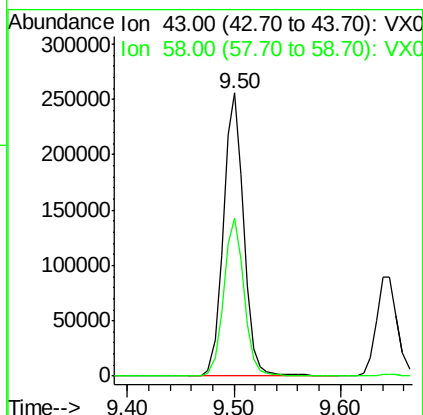
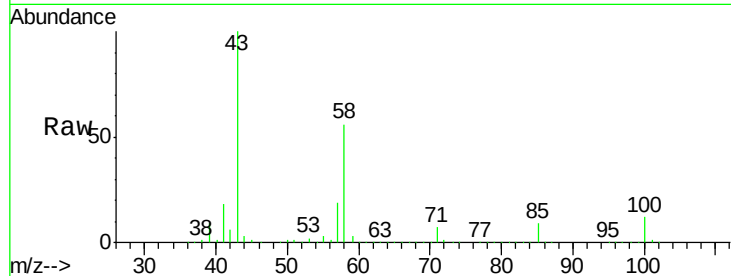




#59
2-Hexanone
Concen: 111.43 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

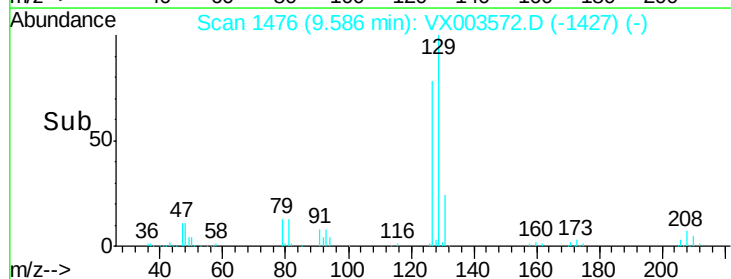
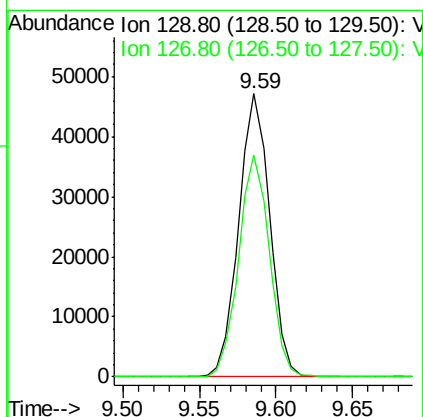
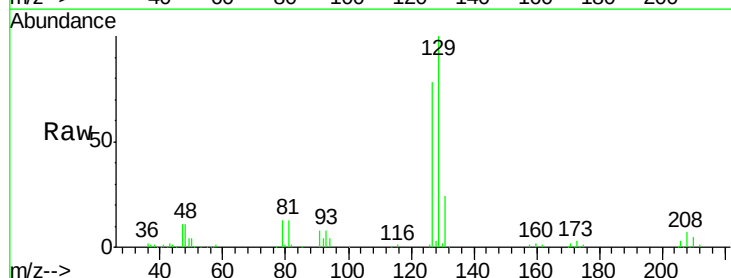
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

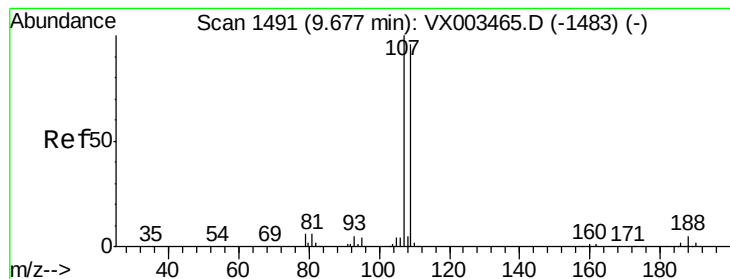
Tot Ion: 43 Resp: 342738
Ion Ratio Lower Upper
43 100
58 55.6 24.6 73.6



#60
Dibromochloromethane
Concen: 20.27 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion: 129 Resp: 66246
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.87 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

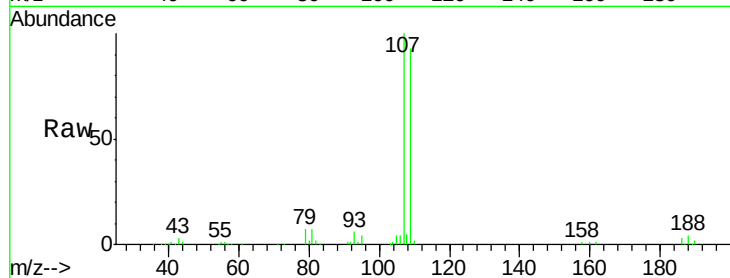
VX0721WBSD02

Tot Ion:107 Resp: 71431

Ion Ratio Lower Upper

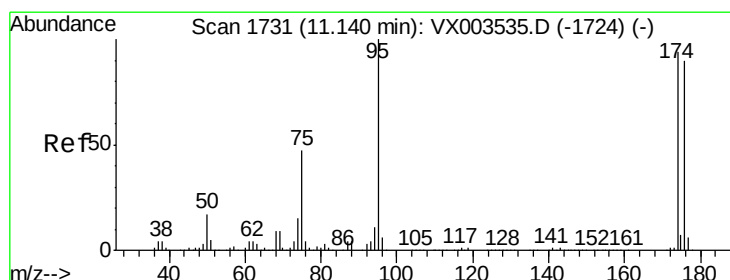
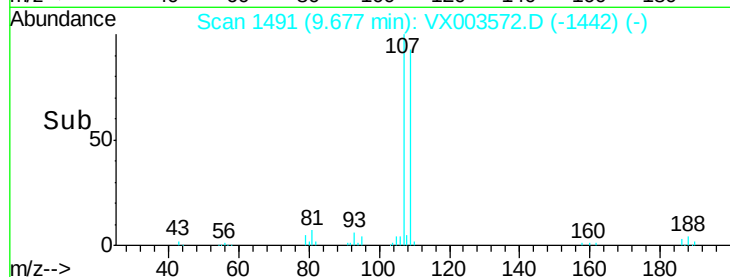
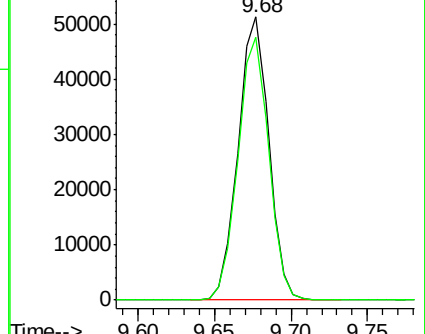
107 100

109 93.5 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: 51.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

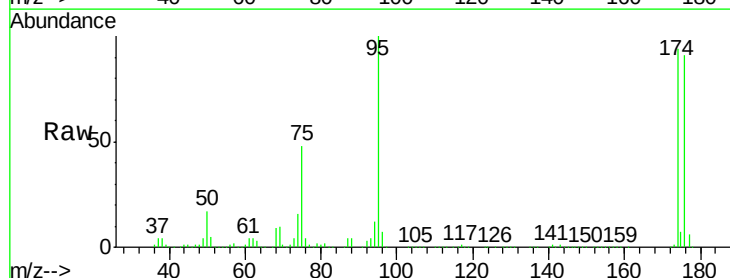
Tgt Ion: 95 Resp: 217468

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.4

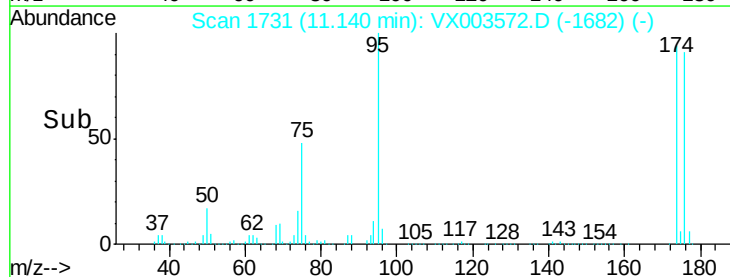
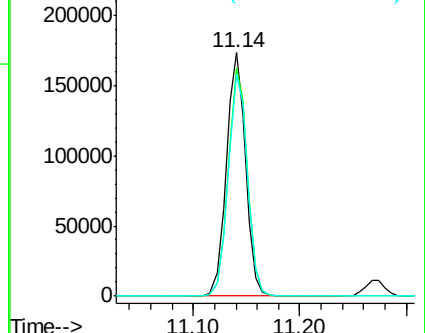
176 91.8 0.0 181.0

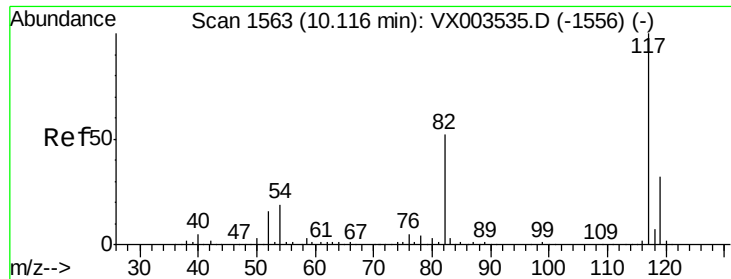


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

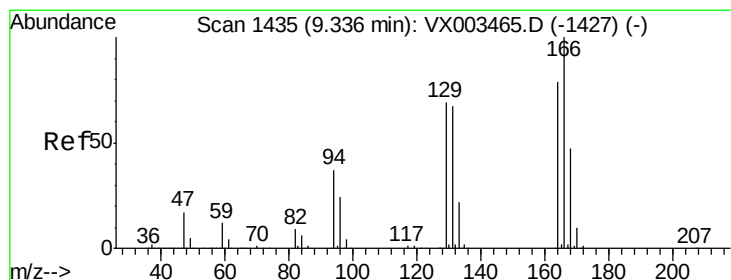
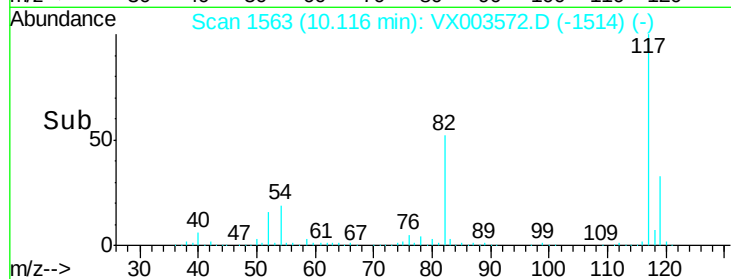
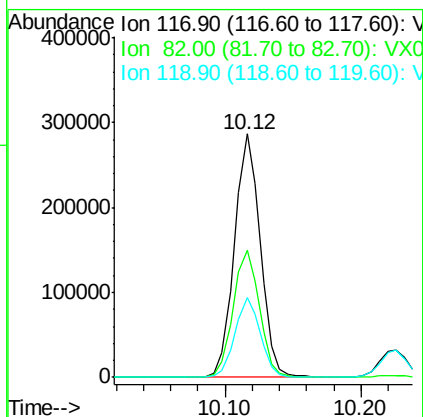
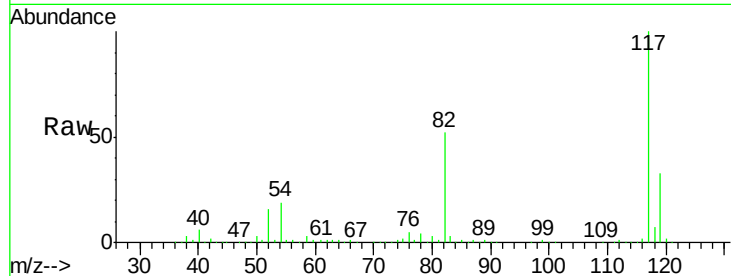




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

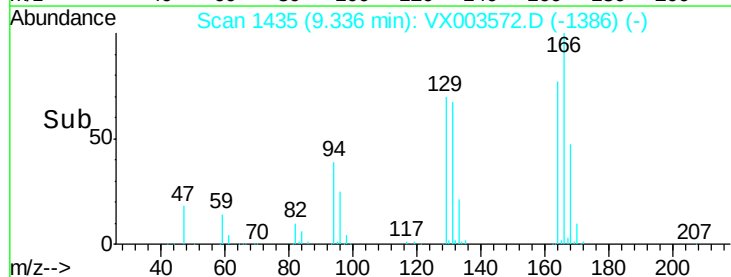
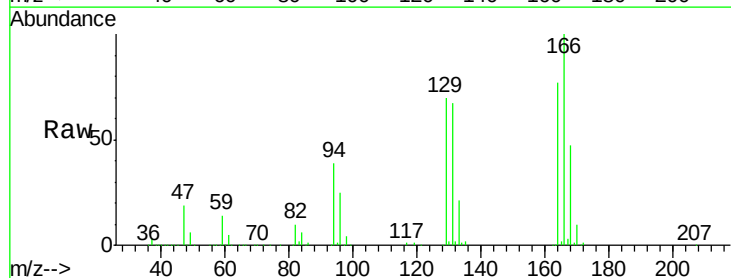
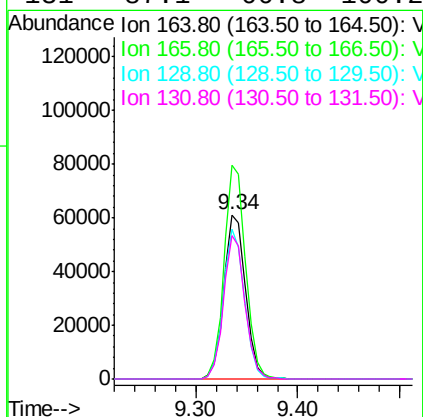
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

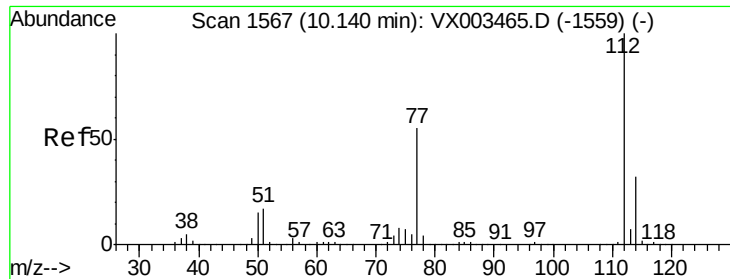
Tot Ion:117 Resp: 378827
Ion Ratio Lower Upper
117 100
82 52.0 45.0 67.4
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 19.43 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion:164 Resp: 89660
Ion Ratio Lower Upper
164 100
166 129.9 102.9 154.3
129 91.4 68.6 102.8
131 87.1 66.8 100.2

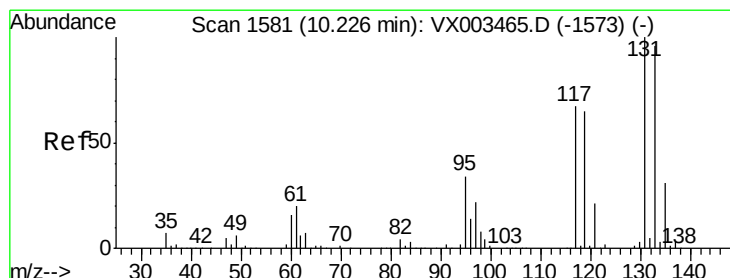
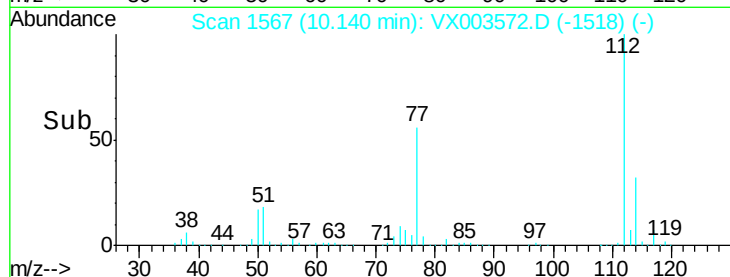
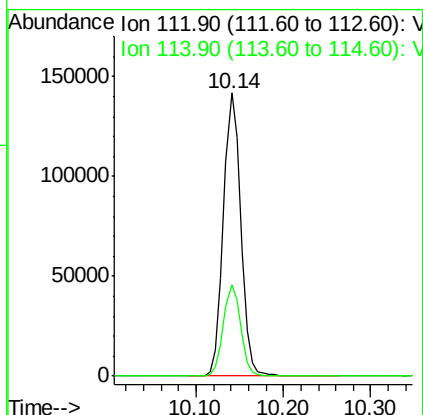
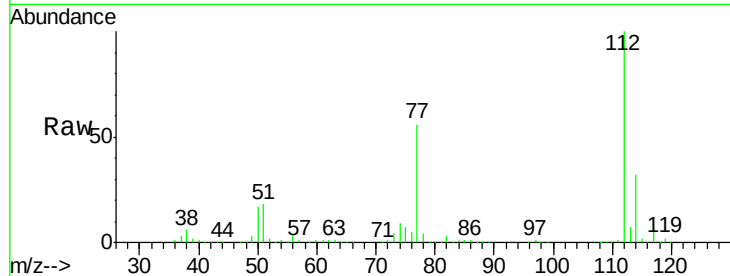




#65
Chlorobenzene
Concen: 19.93 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

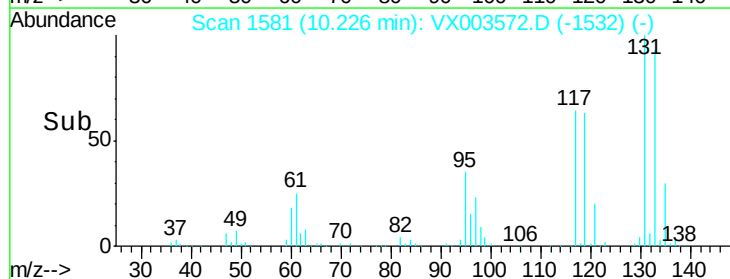
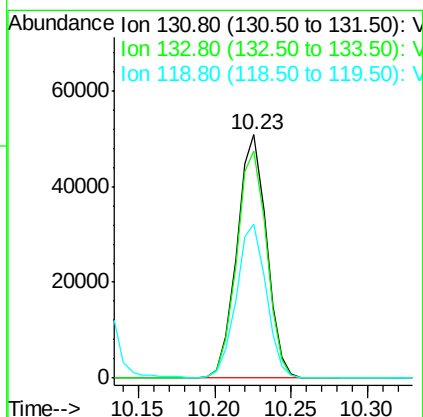
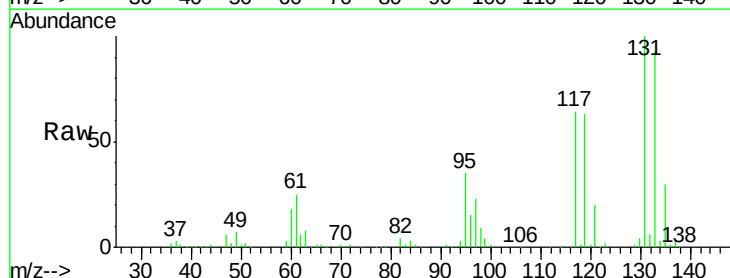
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

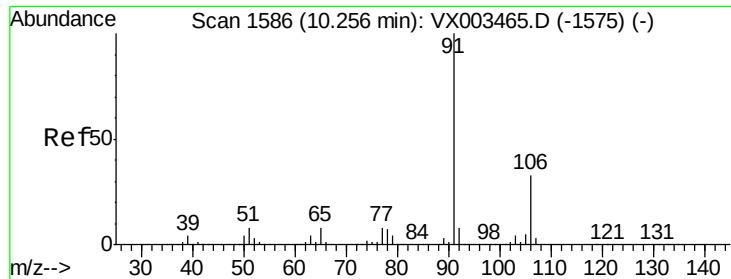
Tot Ion:112 Resp: 194508
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.28 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion:131 Resp: 68114
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.6
119 64.1 31.8 95.3

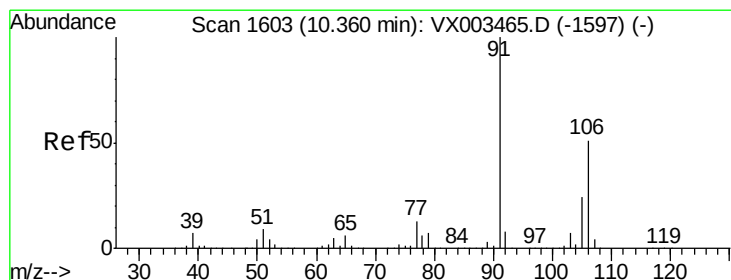
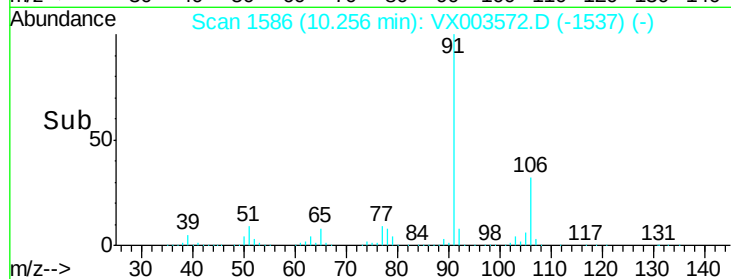
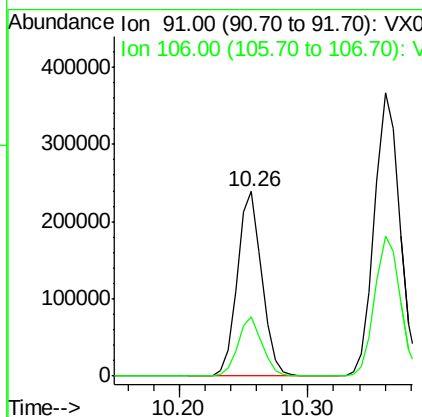
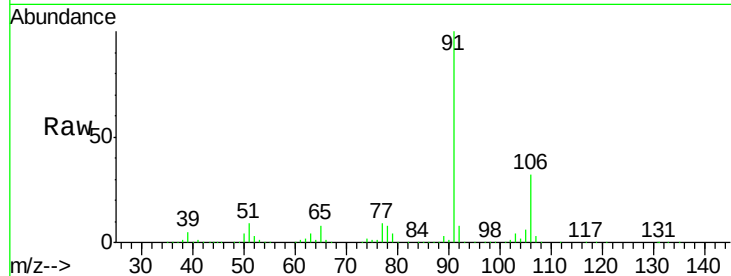




#67
Ethyl Benzene
Concen: 20.14 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

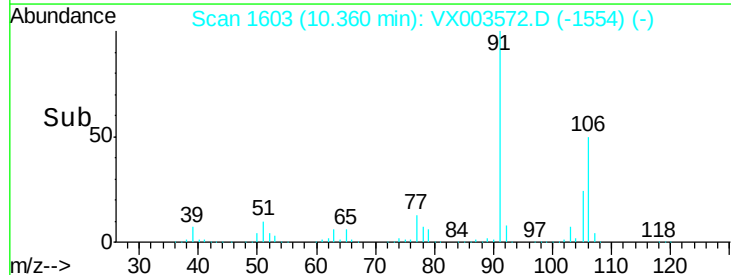
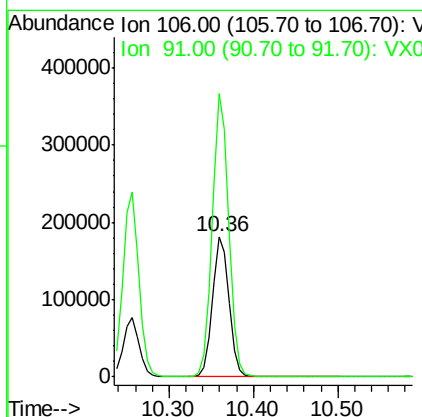
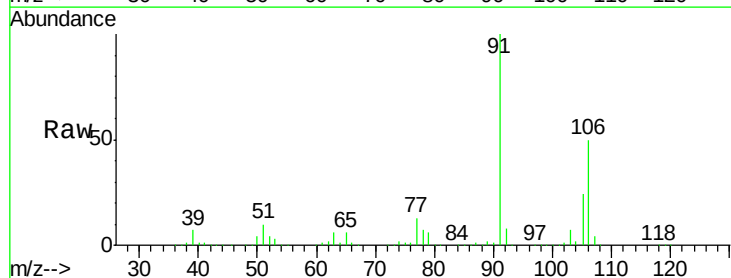
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

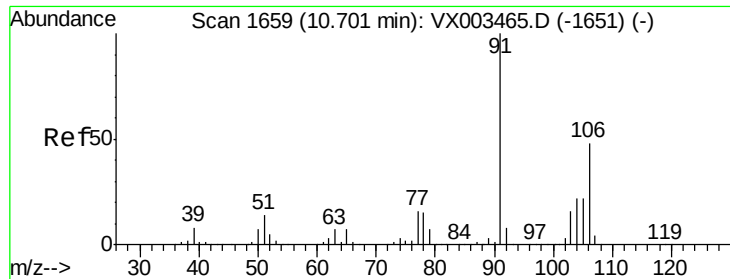
Tot Ion: 91 Resp: 316107
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 40.28 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion: 106 Resp: 247801
Ion Ratio Lower Upper
106 100
91 200.8 163.4 245.2

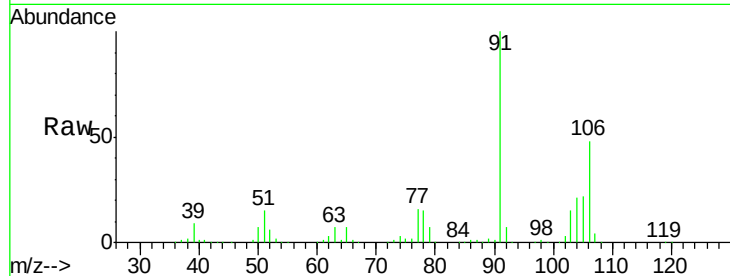




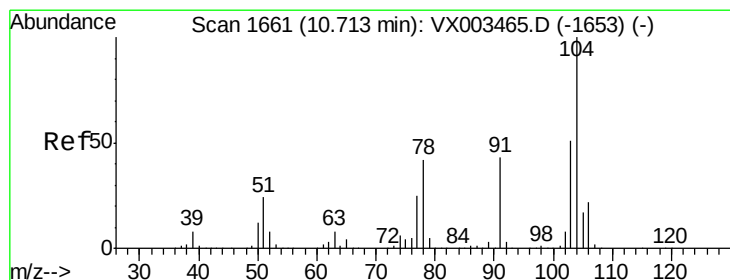
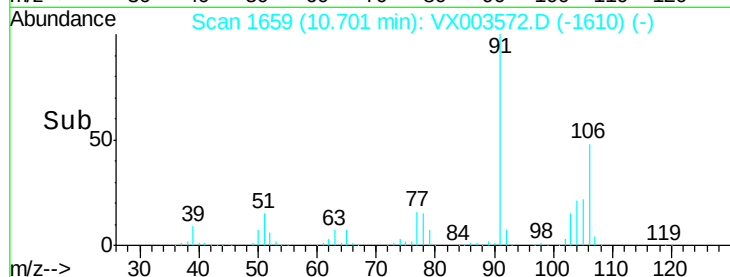
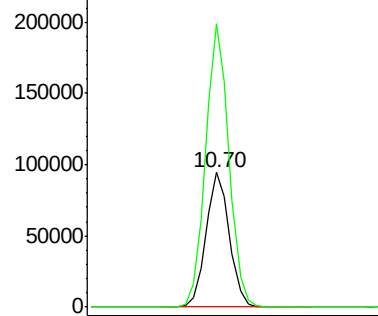
#69
o-Xylene
Concen: 20.09 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Instrument :
MSVOA_X
ClientSampled :
VX0721WBSD02

Tot Ion:106 Resp: 119513
Ion Ratio Lower Upper
106 100
91 210.6 108.2 324.6

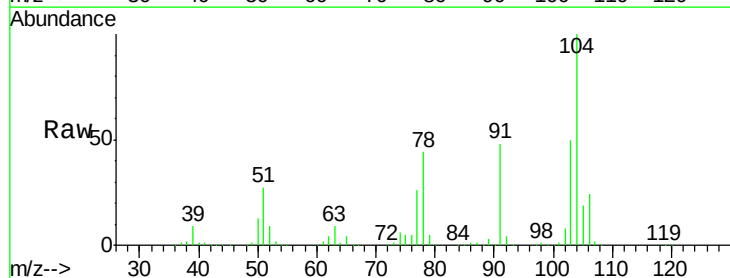


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

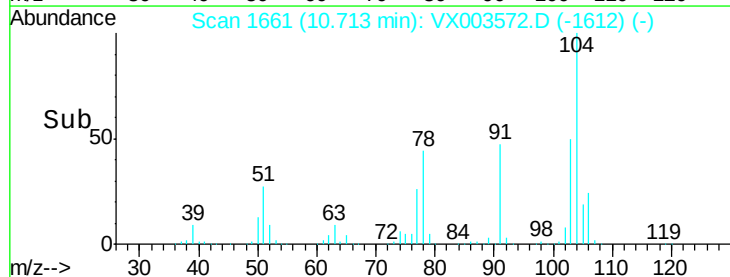
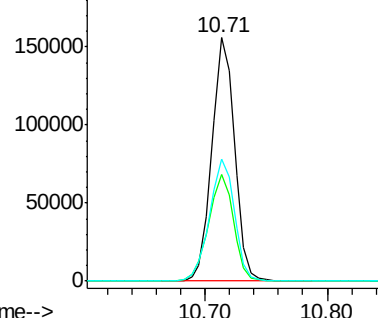


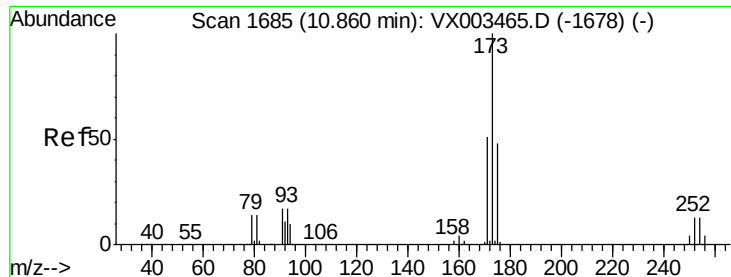
#70
Styrene
Concen: 20.48 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion:104 Resp: 200467
Ion Ratio Lower Upper
104 100
78 48.4 41.0 61.6
103 55.1 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: 19.40 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

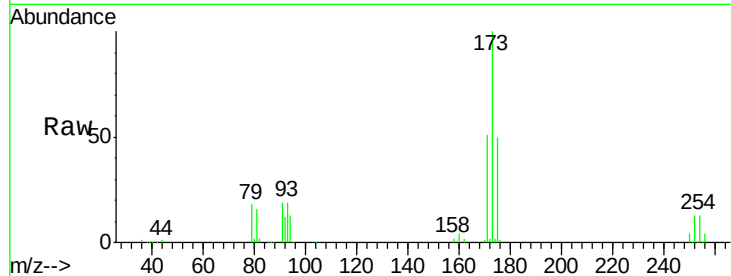
Tot Ion:173 Resp: 50617

Ion Ratio Lower Upper

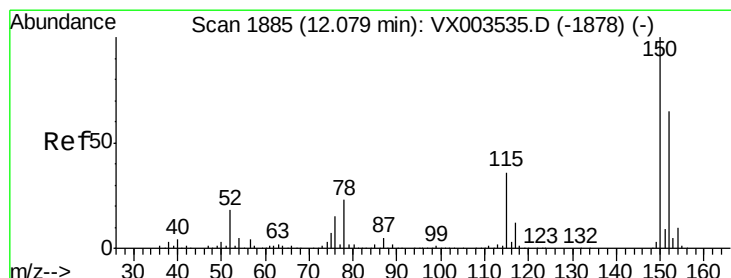
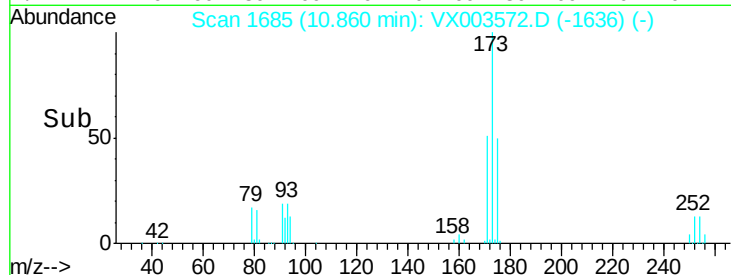
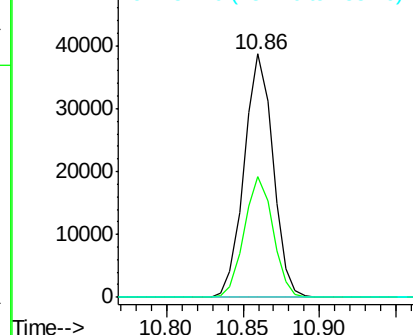
173 100

175 49.5 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: VX003572.D

Acq: 21 Jul 2018 23:44

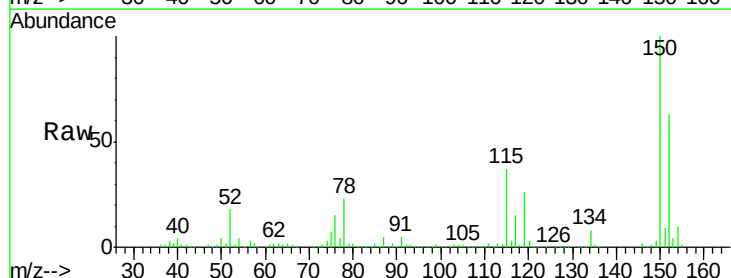
Tgt Ion:152 Resp: 227393

Ion Ratio Lower Upper

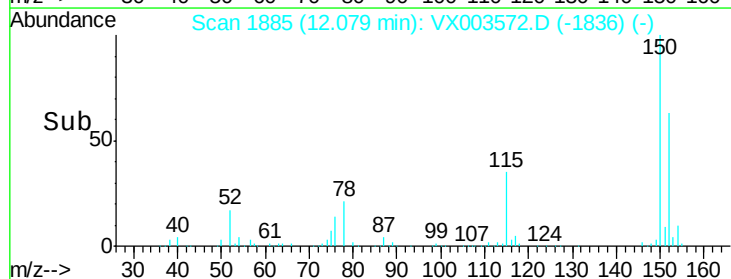
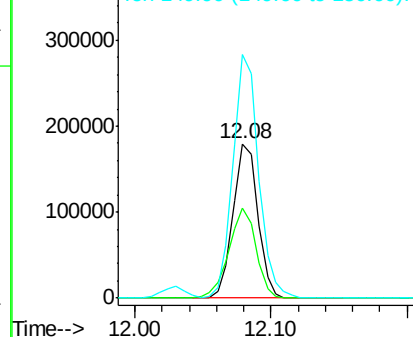
152 100

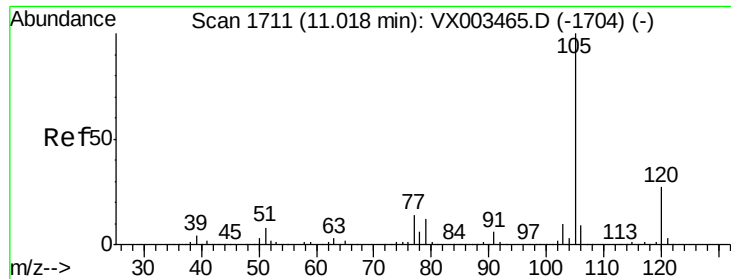
115 63.6 40.1 120.2

150 163.4 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: 20.45 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

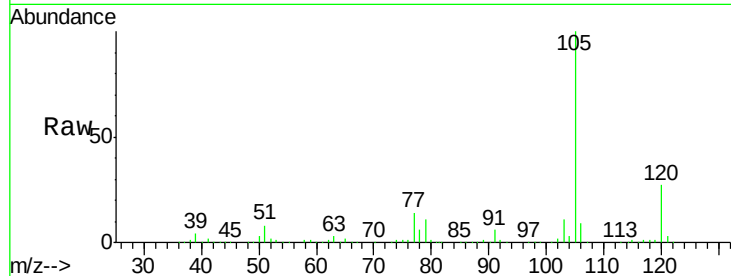
VX0721WBSD02

Tot Ion:105 Resp: 321601

Ion Ratio Lower Upper

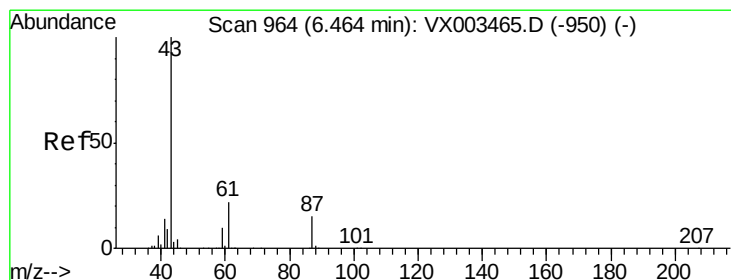
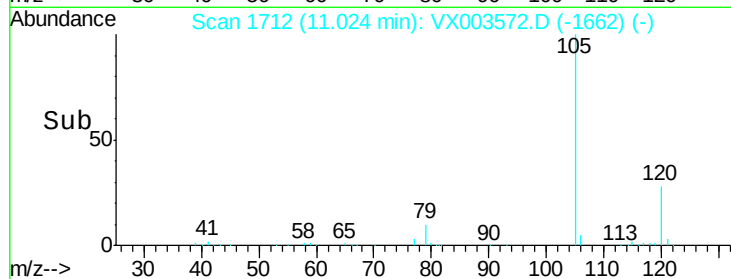
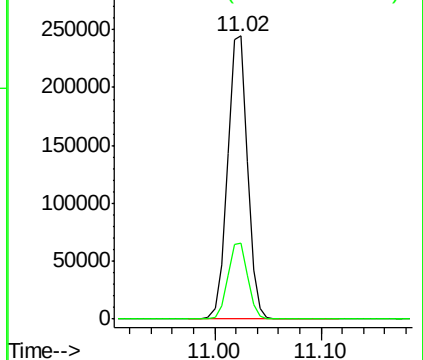
105 100

120 26.8 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: 20.69 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Tgt Ion: 43 Resp: 138172

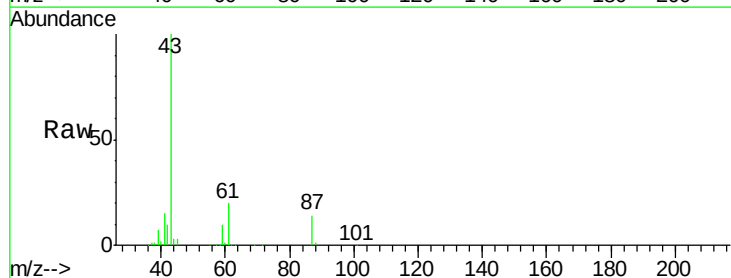
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.7 14.4 21.6

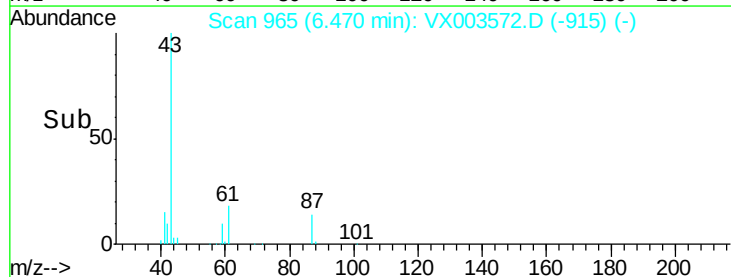
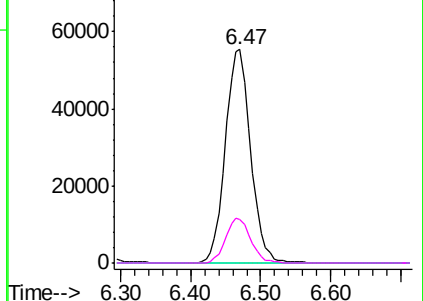


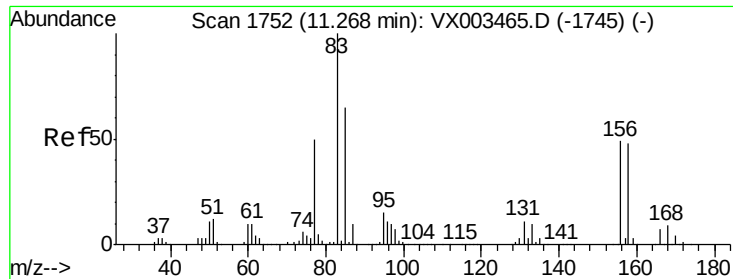
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.77 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

VX0721WBSD02

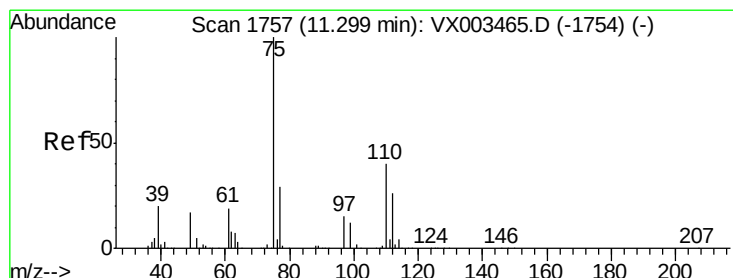
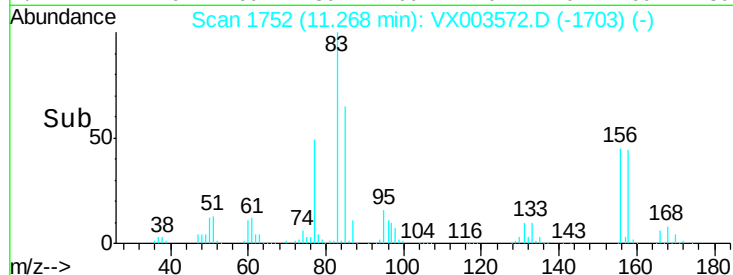
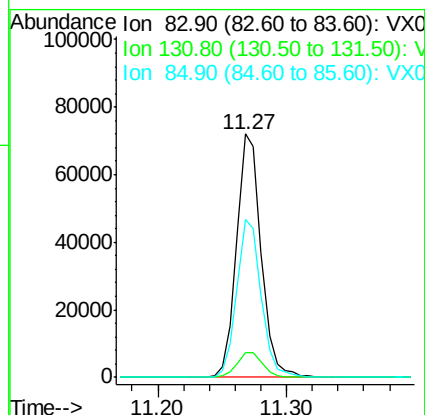
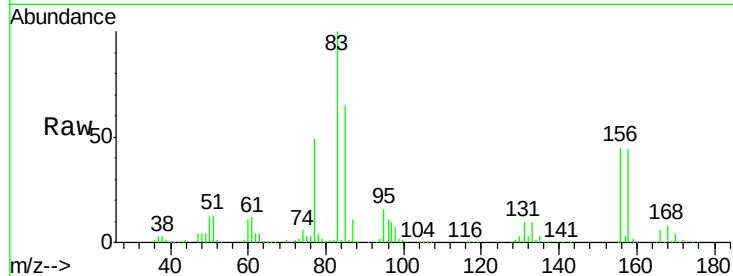
Tot Ion: 83 Resp: 95698

Ion Ratio Lower Upper

83 100

131 10.7 5.6 16.8

85 64.9 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 26.19 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003572.D

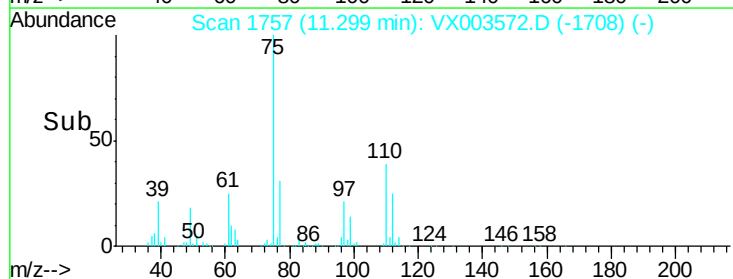
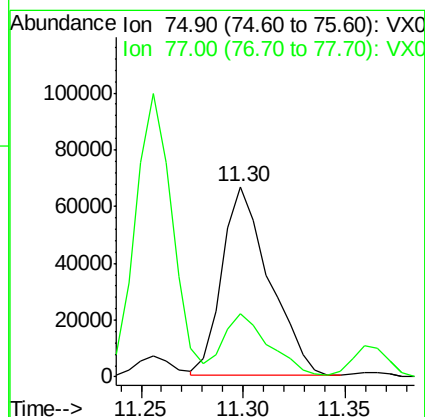
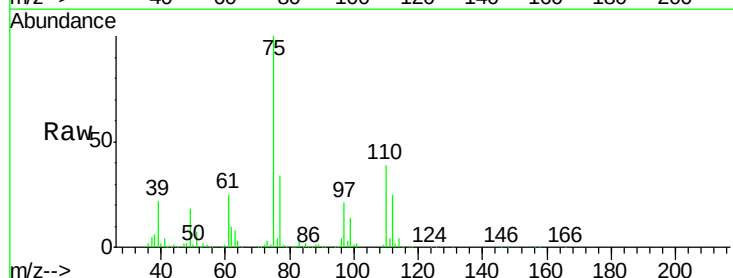
Acq: 21 Jul 2018 23:44

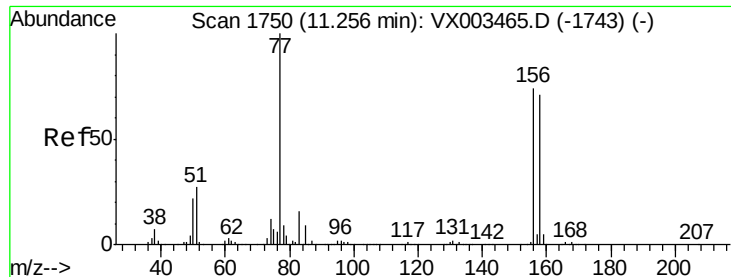
Tgt Ion: 75 Resp: 106991

Ion Ratio Lower Upper

75 100

77 33.0 22.8 68.3





#77

Bromobenzene

Concen: 19.41 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampled :

VX0721WBSD02

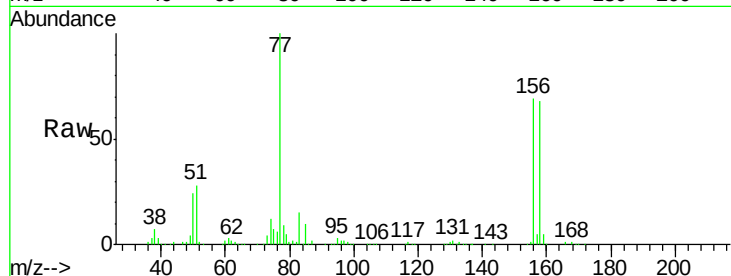
Tot Ion:156 Resp: 87799

Ion Ratio Lower Upper

156 100

77 142.8 71.4 214.2

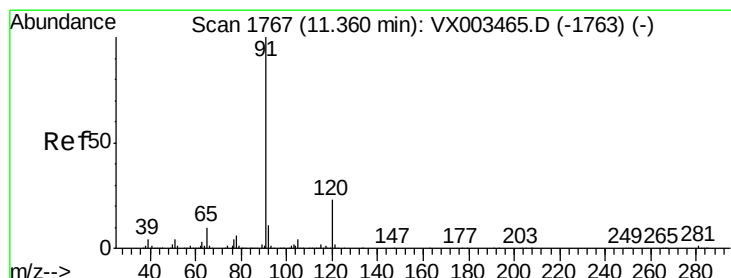
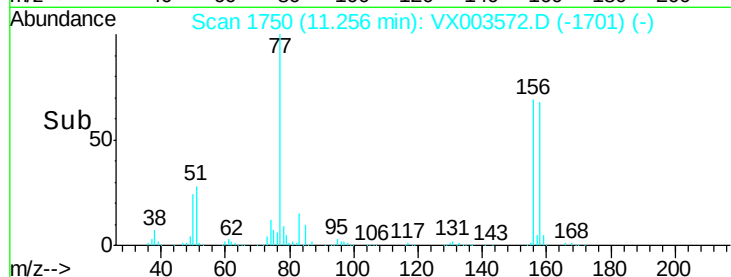
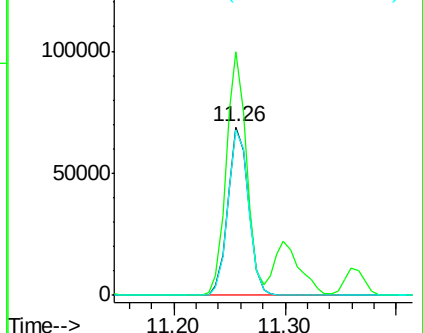
158 99.6 48.9 146.6



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: 20.73 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003572.D

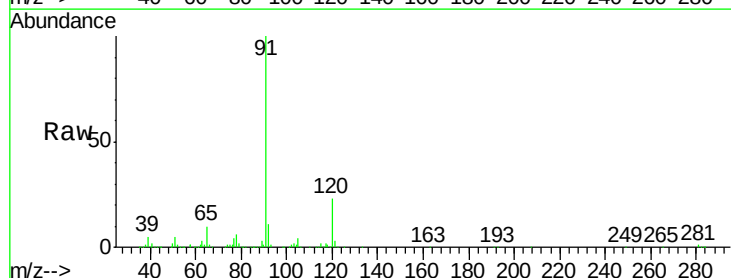
Acq: 21 Jul 2018 23:44

Tgt Ion: 91 Resp: 362409

Ion Ratio Lower Upper

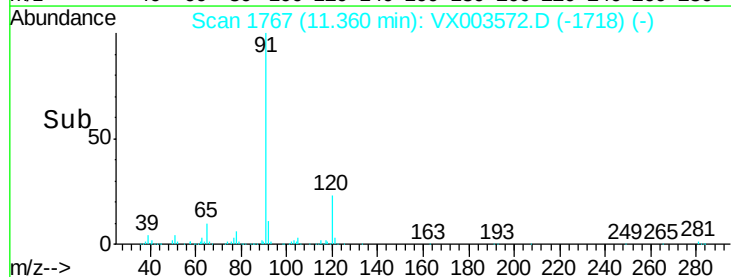
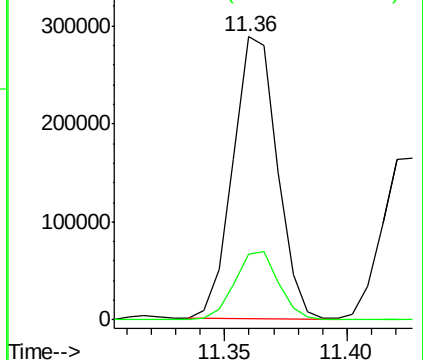
91 100

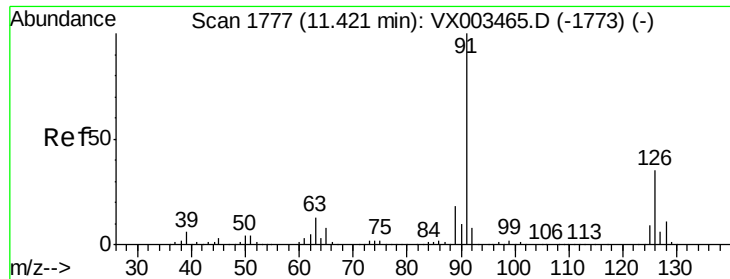
120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.46 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

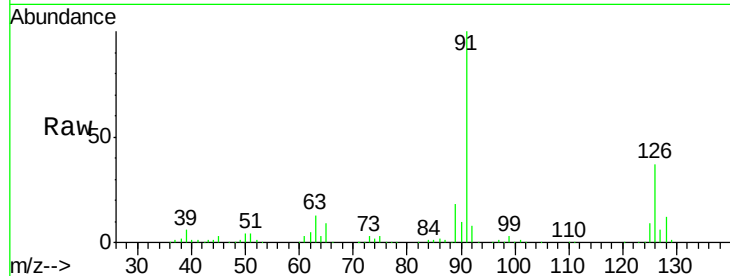
VX0721WBSD02

Tot Ion: 91 Resp: 217107

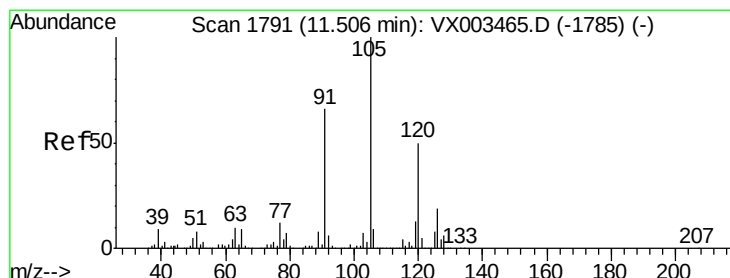
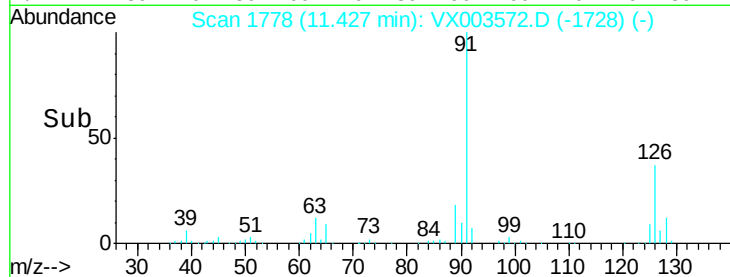
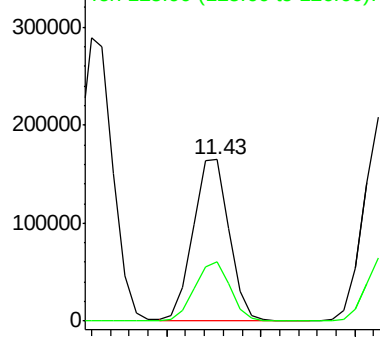
Ion Ratio Lower Upper

91 100

126 36.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.66 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003572.D

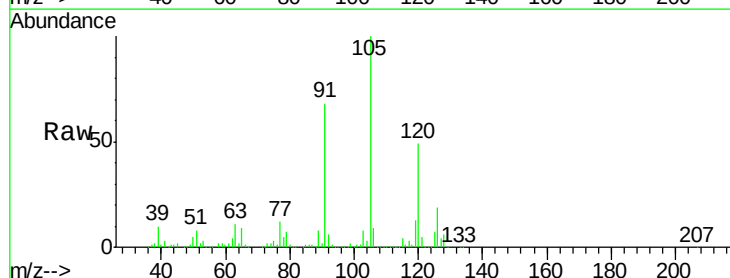
Acq: 21 Jul 2018 23:44

Tgt Ion: 105 Resp: 267055

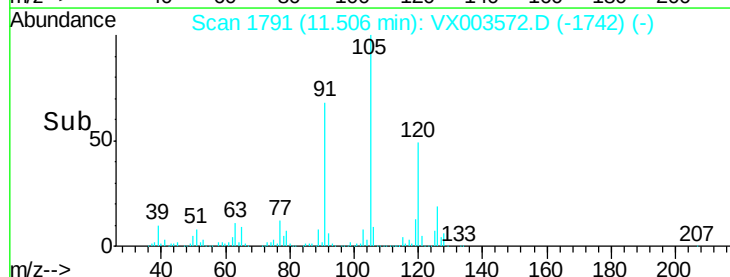
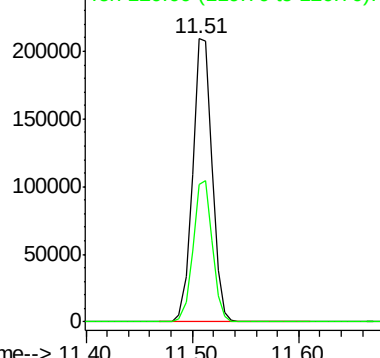
Ion Ratio Lower Upper

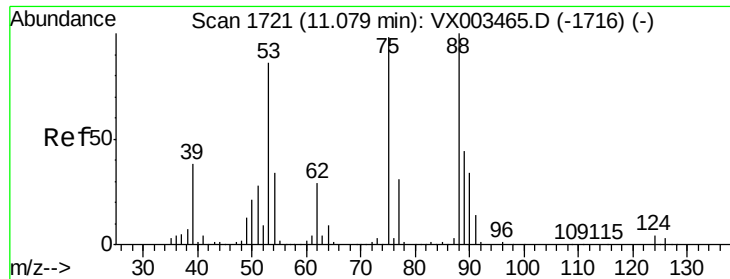
105 100

120 49.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)

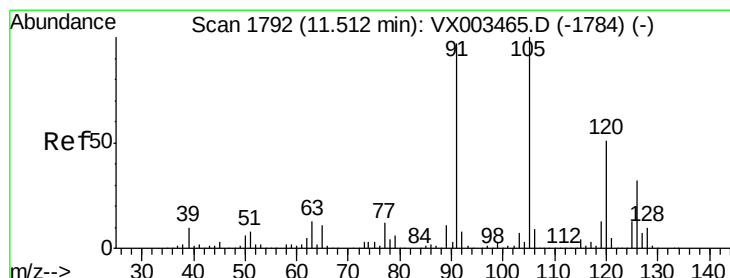
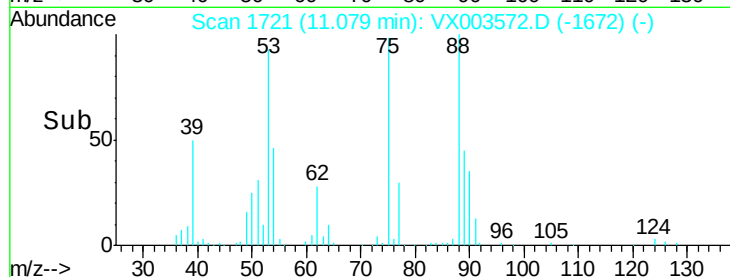
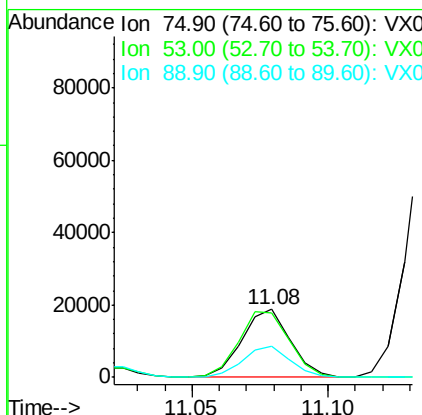
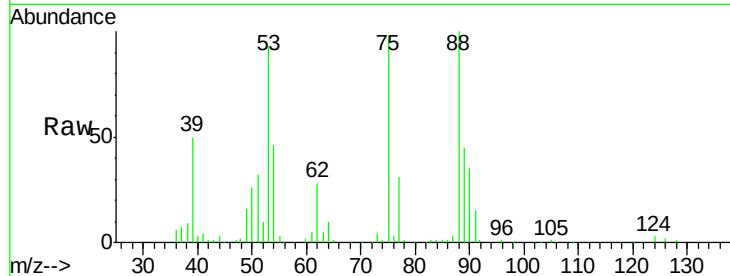




#81
trans-1,4-Dichloro-2-butene
Concen: 17.65 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

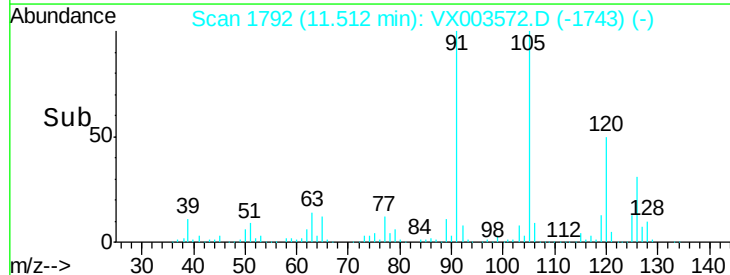
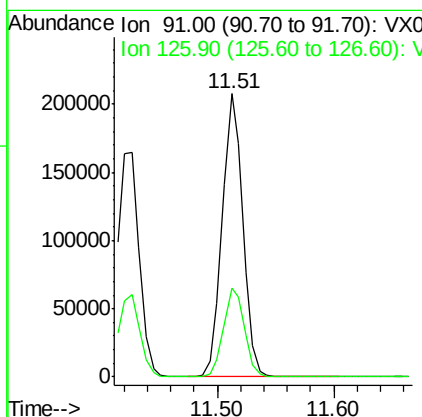
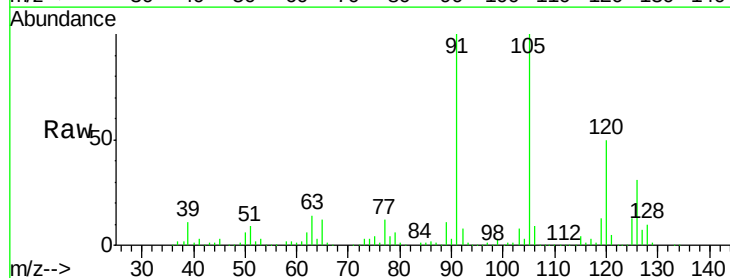
Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

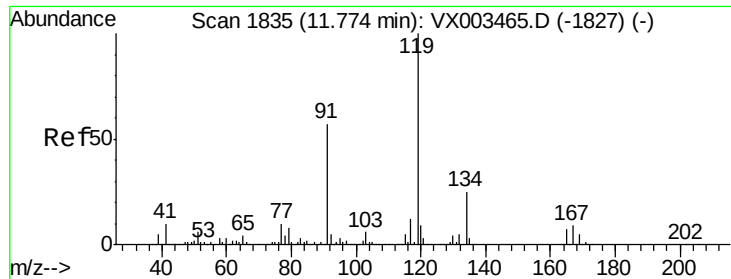
Tot Ion: 75 Resp: 23069
Ion Ratio Lower Upper
75 100
53 101.4 86.8 130.2
89 44.8 38.2 57.2



#82
4-Chlorotoluene
Concen: 20.41 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion: 91 Resp: 253780
Ion Ratio Lower Upper
91 100
126 32.0 15.4 46.4

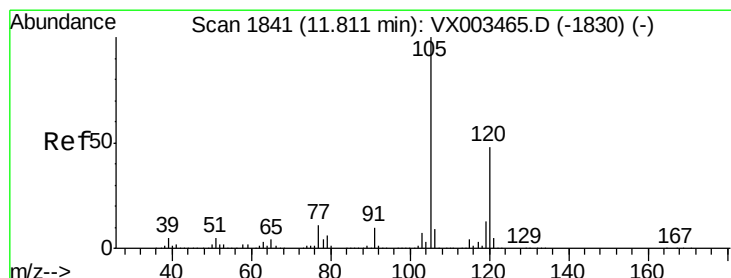
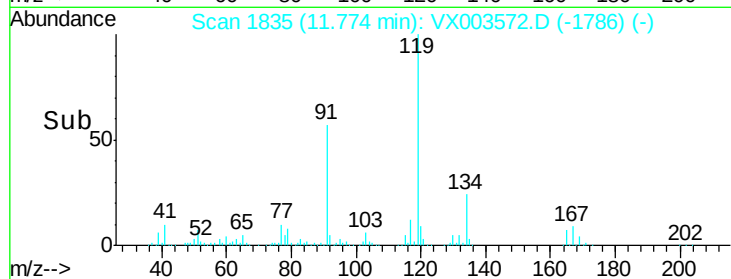
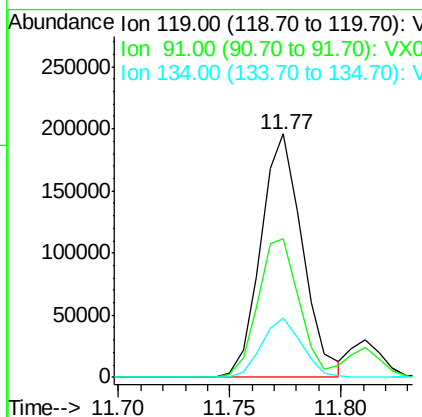
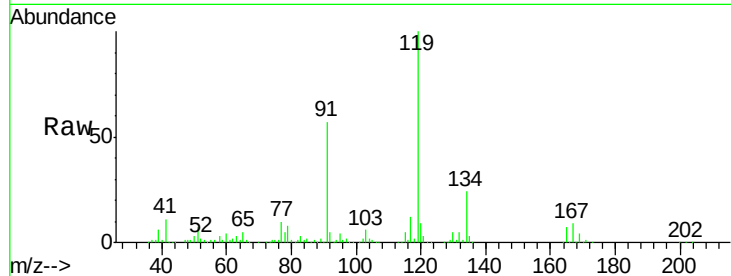




#83
 tert-Butylbenzene
 Concen: 20.15 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

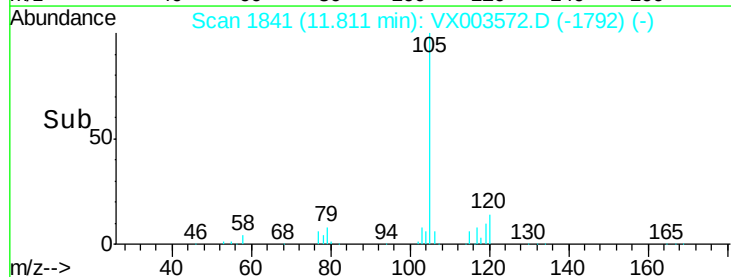
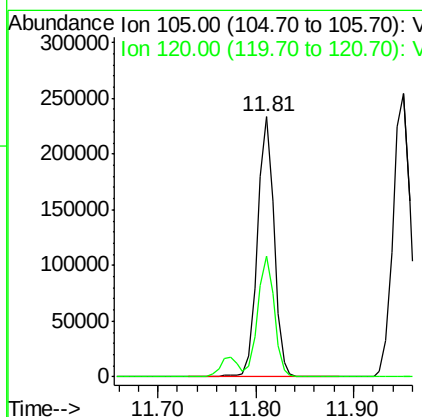
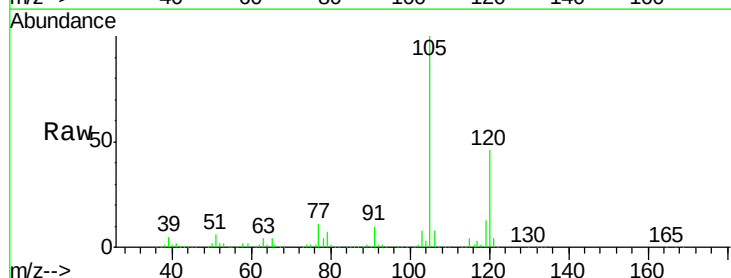
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

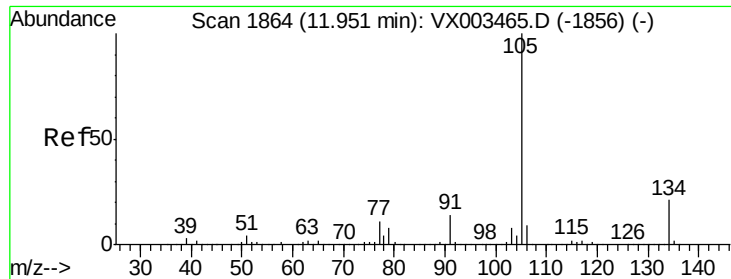
Tot Ion:119 Resp: 255036
 Ion Ratio Lower Upper
 119 100
 91 56.4 30.3 90.9
 134 23.6 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.92 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion:105 Resp: 275068
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.32 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampleId :

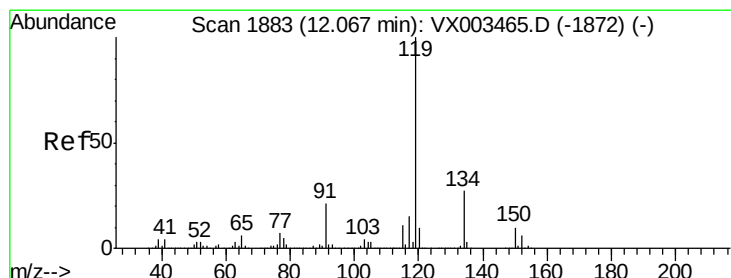
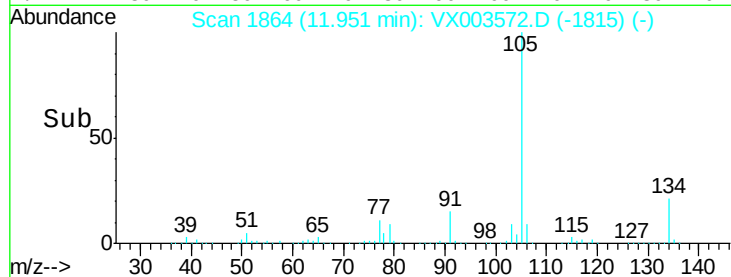
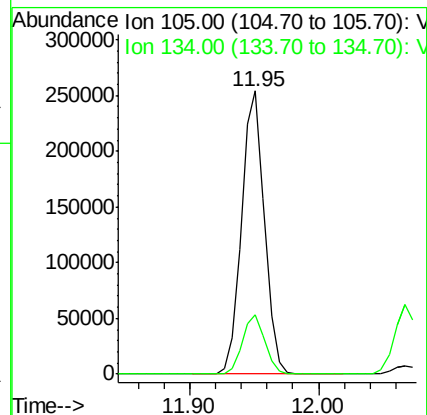
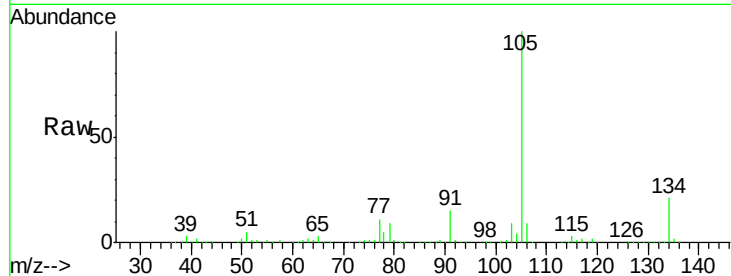
VX0721WBSD02

Tot Ion:105 Resp: 312361

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1



#86

p-Isopropyltoluene

Concen: 20.28 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

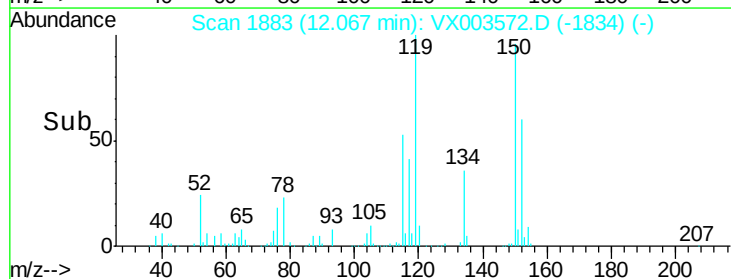
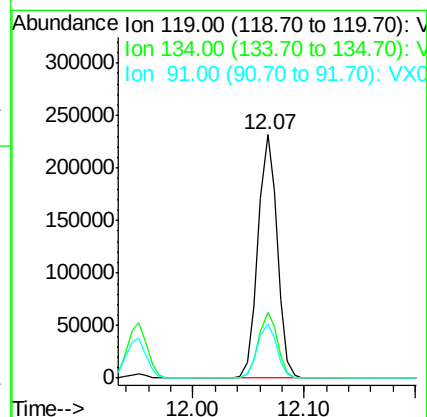
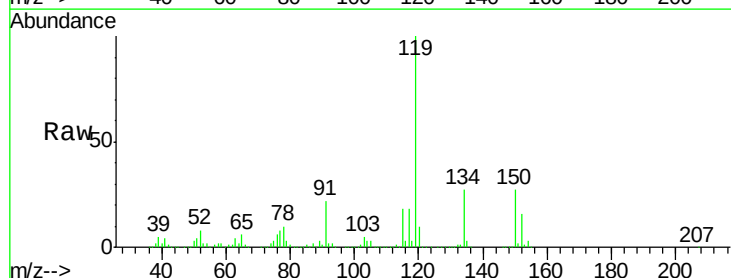
Tgt Ion:119 Resp: 279819

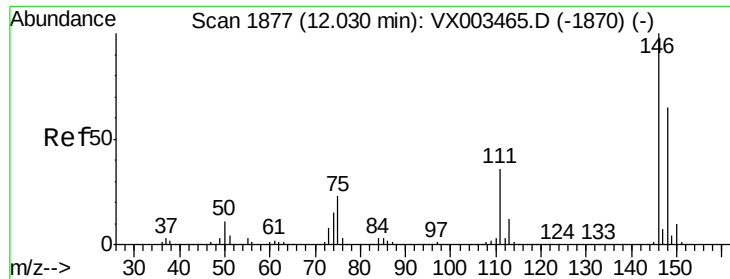
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.4 11.9 35.7

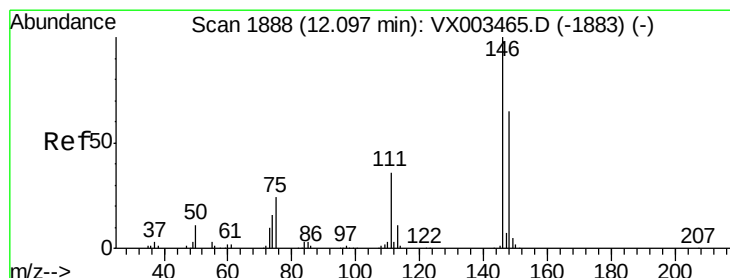
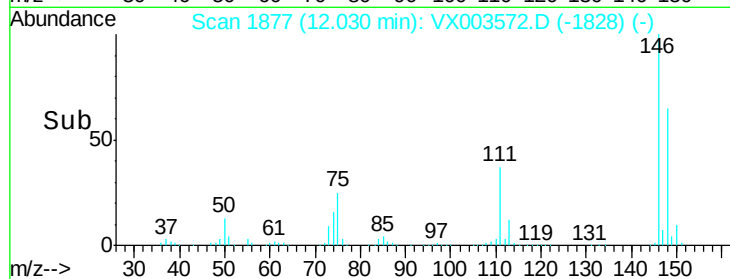
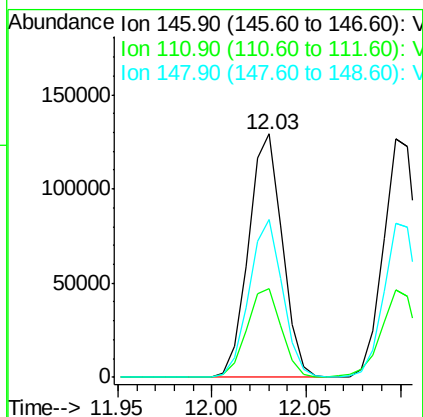
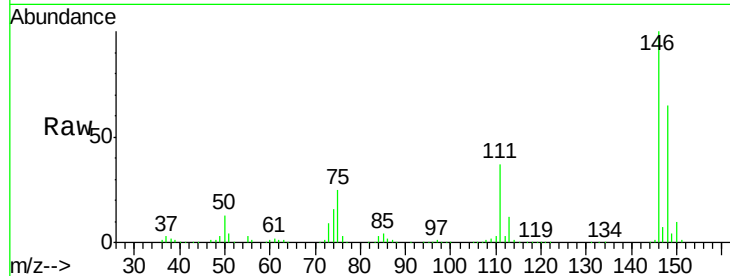




#87
 1,3-Dichlorobenzene
 Concen: 19.36 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

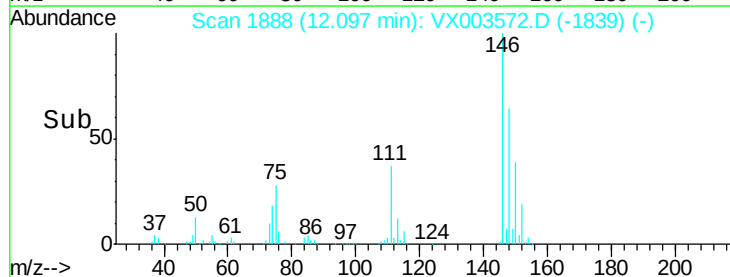
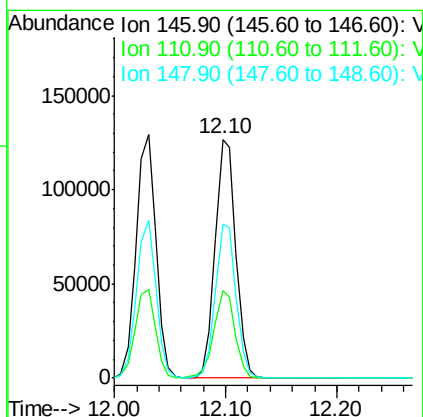
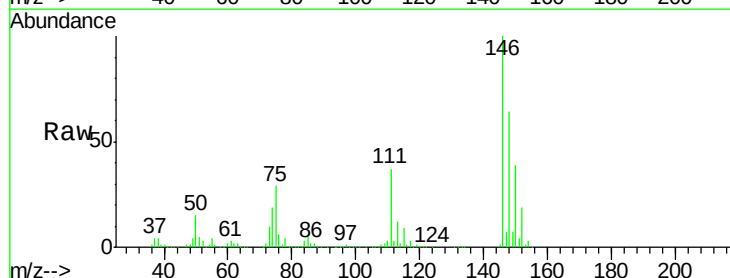
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

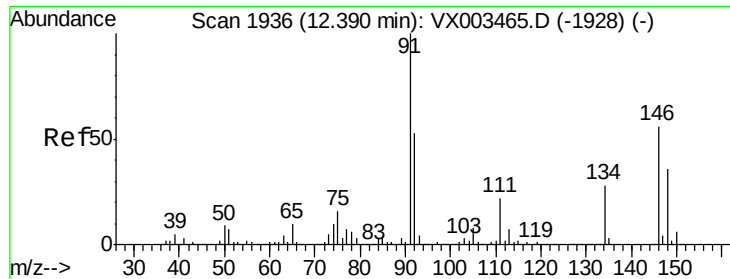
Tot Ion:146 Resp: 160964
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.7
 148 64.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.08 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion:146 Resp: 163377
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.7 56.1
 148 64.5 32.4 97.0





#89

n-Butylbenzene

Concen: 19.50 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003572.D

Acq: 21 Jul 2018 23:44

Instrument :

MSVOA_X

ClientSampled :

VX0721WBSD02

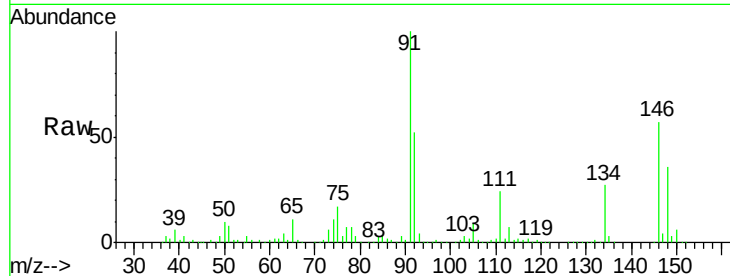
Tot Ion: 91 Resp: 228511

Ion Ratio Lower Upper

91 100

92 52.2 26.0 78.0

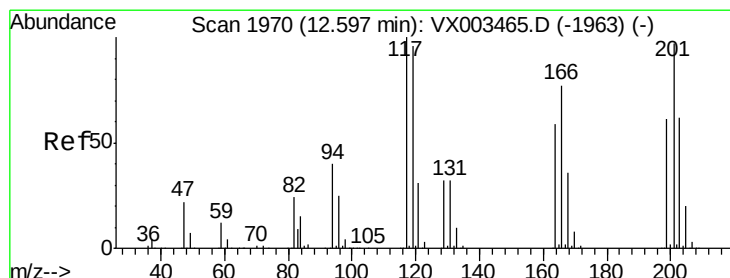
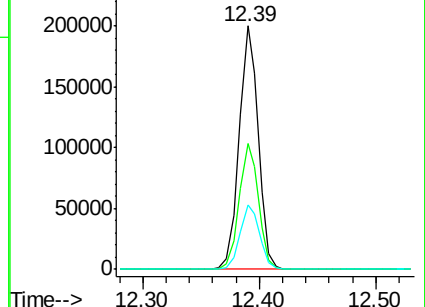
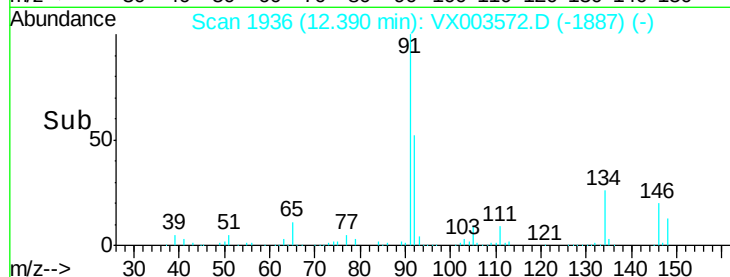
134 27.0 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1928) (-)

Ion 92.00 (91.70 to 92.70): VX003465.D (-1928) (-)

Ion 134.00 (133.70 to 134.70): VX003465.D (-1928) (-)



#90

Hexachloroethane

Concen: 19.31 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003572.D

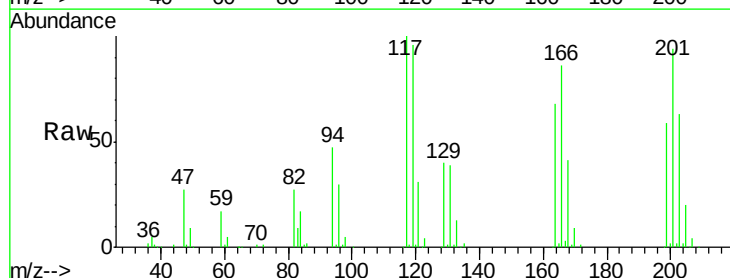
Acq: 21 Jul 2018 23:44

Tgt Ion: 117 Resp: 37883

Ion Ratio Lower Upper

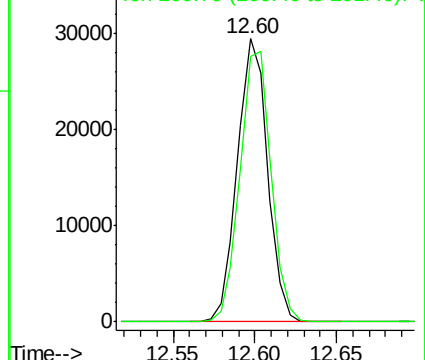
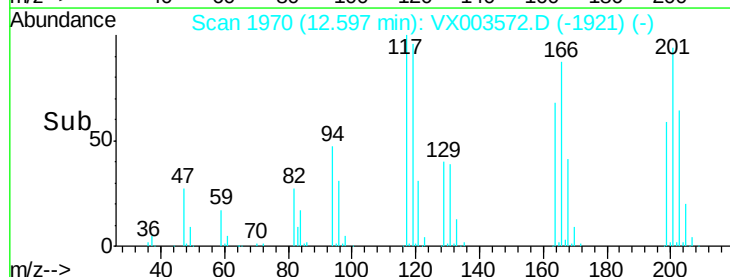
117 100

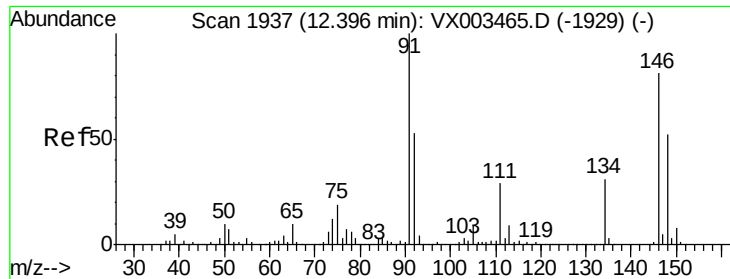
201 99.1 49.0 147.0



Abundance Ion 116.80 (116.50 to 117.50): VX003465.D (-1963) (-)

Ion 200.70 (200.40 to 201.40): VX003465.D (-1963) (-)

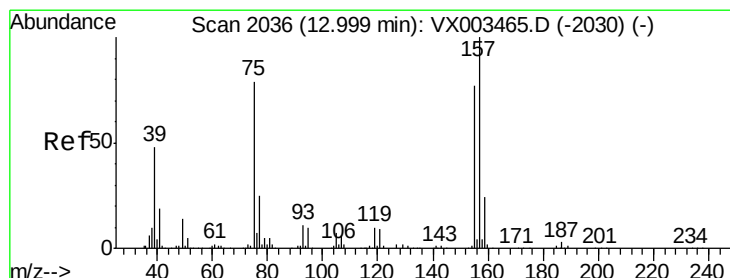
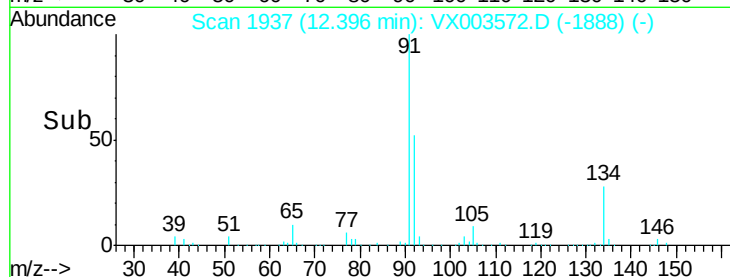
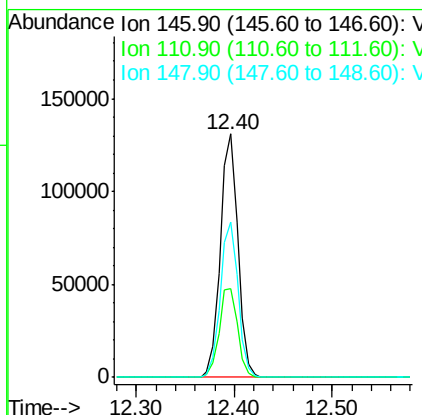
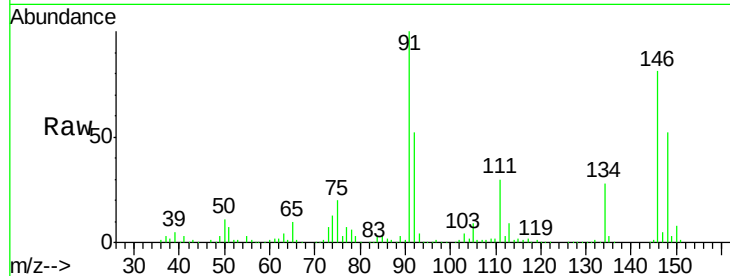




#91
 1,2-Dichlorobenzene
 Concen: 19.90 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

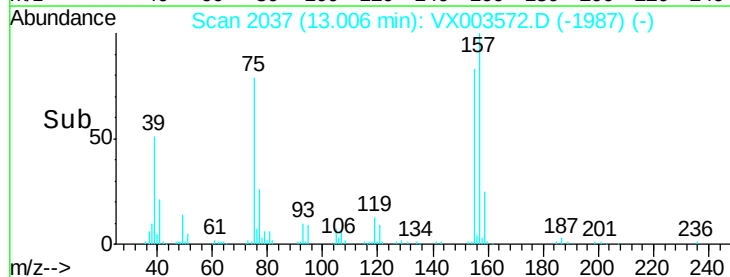
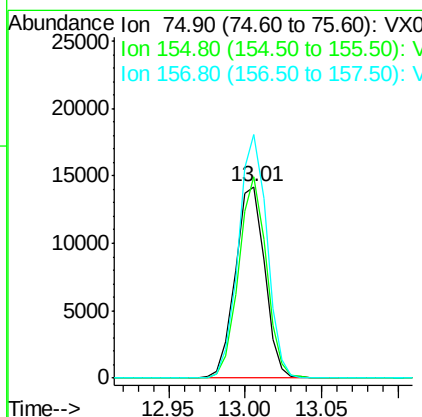
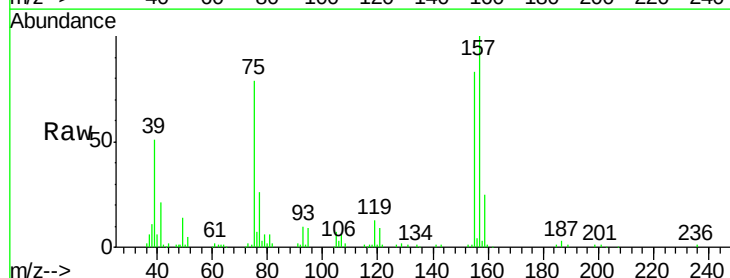
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

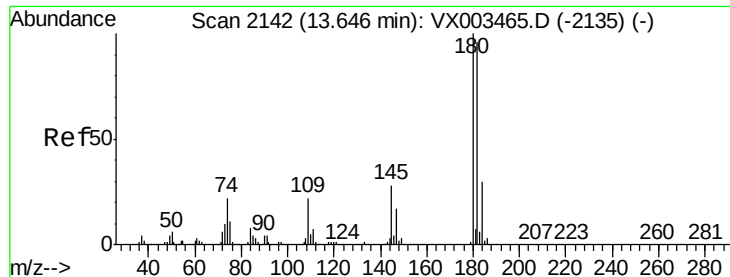
Tot Ion:146 Resp: 163110
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.1
 148 64.0 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.15 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion: 75 Resp: 18973
 Ion Ratio Lower Upper
 75 100
 155 98.4 45.8 137.4
 157 122.4 60.1 180.3

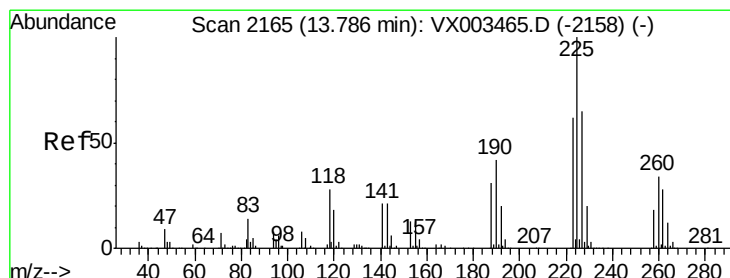
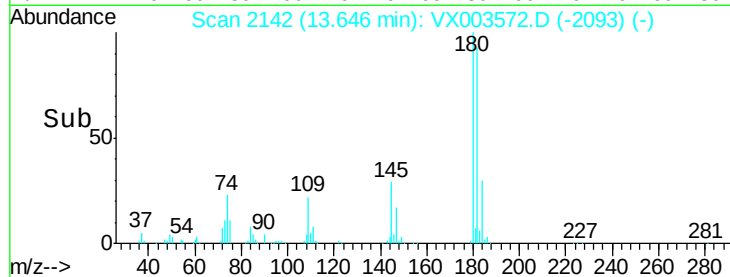
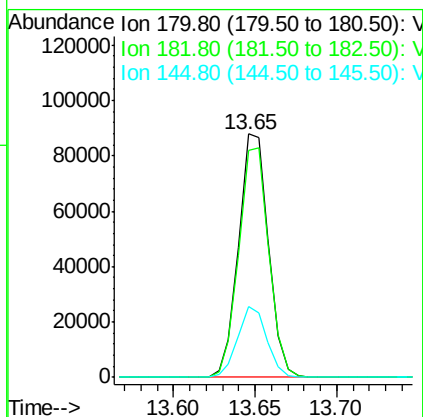
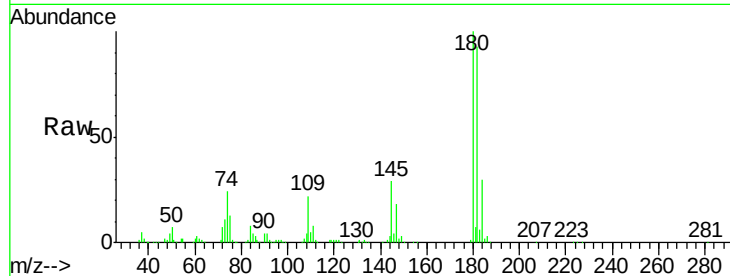




#93
 1,2,4-Trichlorobenzene
 Concen: 18.66 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

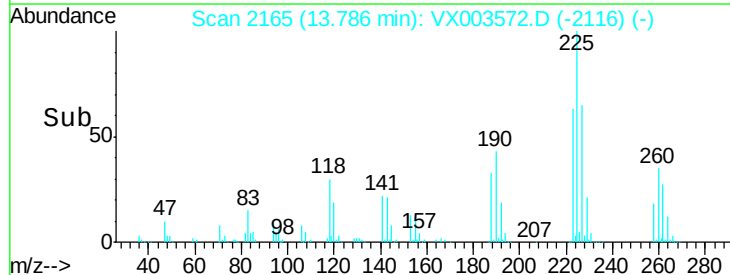
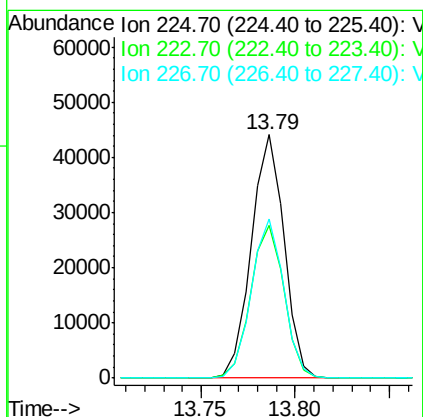
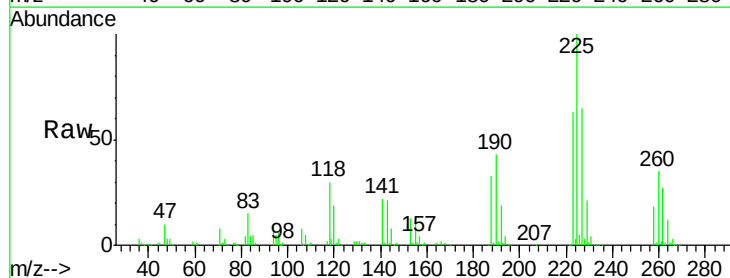
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBSD02

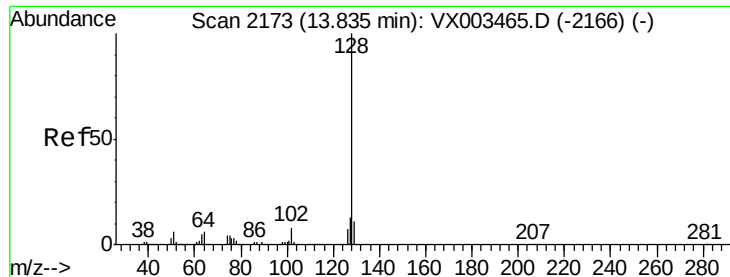
Tot Ion:180 Resp: 112076
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.7 143.1
 145 28.0 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.39 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003572.D
 Acq: 21 Jul 2018 23:44

Tgt Ion:225 Resp: 53110
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.6 95.0
 227 64.5 32.4 97.2

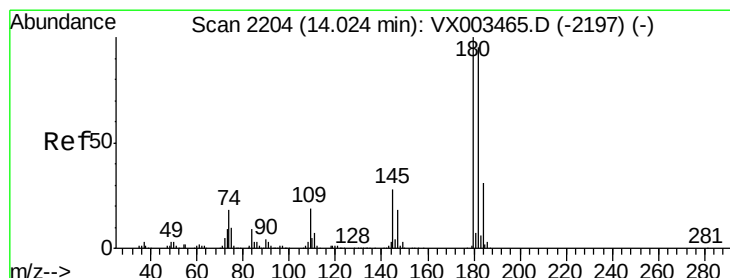
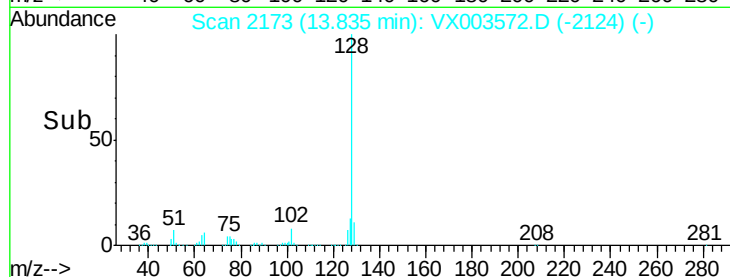
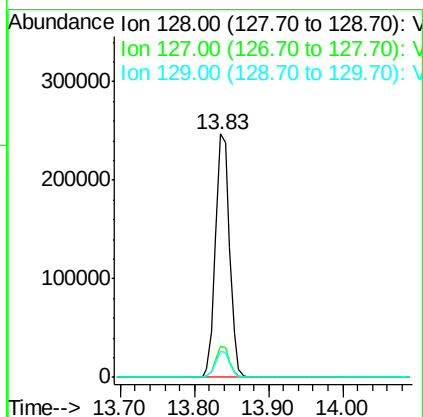
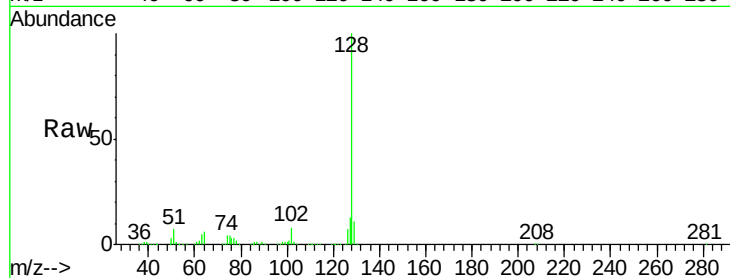




#95
Naphthalene
Concen: 20.16 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Instrument :
MSVOA_X
ClientSampleId :
VX0721WBSD02

Tot Ion:128 Resp: 318223
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.57 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003572.D
Acq: 21 Jul 2018 23:44

Tgt Ion:180 Resp: 116333
Ion Ratio Lower Upper
180 100
182 95.7 48.0 144.0
145 29.3 14.8 44.3

