

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003550.D
 Acq On : 21 Jul 2018 13:09
 Operator : JC/SP
 Sample : VX0721MBS02
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Quant Time: Jul 23 01:35:55 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	287485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	408935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	383016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176179	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	5.51	113	159805	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	8.72	98	596927	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.14	95	216897	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47570	20.42	ug/l	98
3) Chloromethane	1.32	50	61344	21.00	ug/l	99
4) Vinyl Chloride	1.41	62	71170	19.49	ug/l	96
5) Bromomethane	1.64	94	37750	24.73	ug/l	99
6) Chloroethane	1.73	64	45664	21.13	ug/l	100
7) Trichlorofluoromethane	1.93	101	98721	20.26	ug/l	95
8) Diethyl Ether	2.19	74	42558	20.34	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	63200	19.82	ug/l	98
10) Methyl Iodide	2.51	142	82602	21.56	ug/l	92
11) Tert butyl alcohol	3.06	59	74138	110.10	ug/l	100
12) 1,1-Dichloroethene	2.37	96	57498	19.58	ug/l	90
13) Acrolein	2.29	56	26786	88.04	ug/l	100
14) Allyl chloride	2.73	41	110544	21.27	ug/l	87
15) Acrylonitrile	3.15	53	188831	110.14	ug/l	96
16) Acetone	2.45	43	140360	109.19	ug/l	91
17) Carbon Disulfide	2.57	76	162222	20.43	ug/l	98
18) Methyl Acetate	2.78	43	87771	21.66	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	202662	21.14	ug/l	95
20) Methylene Chloride	2.86	84	71464	22.26	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	65793	20.14	ug/l	97
22) Diisopropyl ether	3.87	45	217378	22.22	ug/l	# 86
23) Vinyl Acetate	3.82	43	887671	110.18	ug/l	99
24) 1,1-Dichloroethane	3.70	63	123363	21.50	ug/l	99
25) 2-Butanone	4.70	43	240020	111.29	ug/l	94
26) 2,2-Dichloropropane	4.58	77	99812	22.90	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	78655	21.62	ug/l	87
28) Bromochloromethane	5.02	49	52748	21.03	ug/l	86
29) Tetrahydrofuran	5.16	42	154883	108.71	ug/l	93
30) Chloroform	5.21	83	123456	22.03	ug/l	89
31) Cyclohexane	5.58	56	106223	20.72	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	100461	20.94	ug/l	98
36) 1,1-Dichloropropene	5.80	75	86782	19.66	ug/l	96
37) Ethyl Acetate	4.86	43	91656	21.94	ug/l	94
38) Carbon Tetrachloride	5.79	117	89314	20.62	ug/l	94

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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	103130	19.72	ug/l	95
40) Benzene	6.14	78	276567	20.75	ug/l	98
41) Methacrylonitrile	5.07	41	50613	20.61	ug/l #	89
42) 1,2-Dichloroethane	6.20	62	90270	21.49	ug/l	95
43) Isopropyl Acetate	6.46	43	136346	20.52	ug/l #	93
44) Trichloroethene	7.22	130	83573	21.02	ug/l	85
45) 1,2-Dichloropropane	7.52	63	70708	20.89	ug/l	99
46) Dibromomethane	7.66	93	46114	21.16	ug/l	97
47) Bromodichloromethane	7.90	83	82091	20.58	ug/l	98
48) Methyl methacrylate	7.78	41	69904	20.86	ug/l	85
49) 1,4-Dioxane	7.76	88	31494	414.73	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	451174	107.46	ug/l	92
52) Toluene	8.79	92	171892	20.49	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	103325	21.04	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	91535	20.73	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	69888	20.93	ug/l	98
56) Ethyl methacrylate	9.18	69	95984	20.41	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	114084	21.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	237360	103.80	ug/l	98
59) 2-Hexanone	9.50	43	339972	109.29	ug/l	89
60) Dibromochloromethane	9.59	129	68467	20.72	ug/l	100
61) 1,2-Dibromoethane	9.68	107	72446	20.93	ug/l	100
64) Tetrachloroethene	9.34	164	96640	20.71	ug/l	98
65) Chlorobenzene	10.14	112	197723	20.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	70349	20.72	ug/l	98
67) Ethyl Benzene	10.26	91	320712	20.21	ug/l	99
68) m/p-Xylenes	10.36	106	254494	40.91	ug/l	97
69) o-Xylene	10.70	106	121613	20.22	ug/l	97
70) Styrene	10.71	104	202457	20.46	ug/l	97
71) Bromoform	10.86	173	51649	19.58	ug/l #	99
73) Isopropylbenzene	11.02	105	326494	20.69	ug/l	100
74) N-amyl acetate	6.46	43	136346	20.35	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	95233	20.60	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	110812	27.04	ug/l	82
77) Bromobenzene	11.26	156	90854	20.02	ug/l	97
78) n-propylbenzene	11.36	91	367104	20.93	ug/l	99
79) 2-Chlorotoluene	11.42	91	221153	20.77	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	272095	20.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	25095	18.94	ug/l	94
82) 4-Chlorotoluene	11.51	91	256519	20.56	ug/l	98
83) tert-Butylbenzene	11.77	119	256600	20.21	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	277962	21.07	ug/l	97
85) sec-Butylbenzene	11.95	105	318773	20.67	ug/l	100
86) p-Isopropyltoluene	12.07	119	286987	20.73	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	164297	19.70	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	166164	19.34	ug/l	99
89) n-Butylbenzene	12.39	91	238348	20.28	ug/l	100
90) Hexachloroethane	12.60	117	37157	18.88	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	165151	20.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18134	20.16	ug/l	94

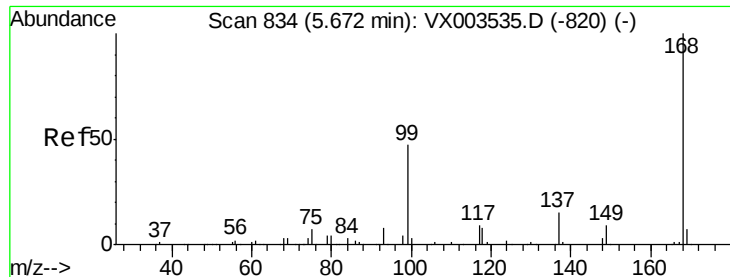
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114689	19.04	ug/l	100
94) Hexachlorobutadiene	13.79	225	53710	18.54	ug/l	99
95) Naphthalene	13.84	128	321984	20.34	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117281	19.66	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

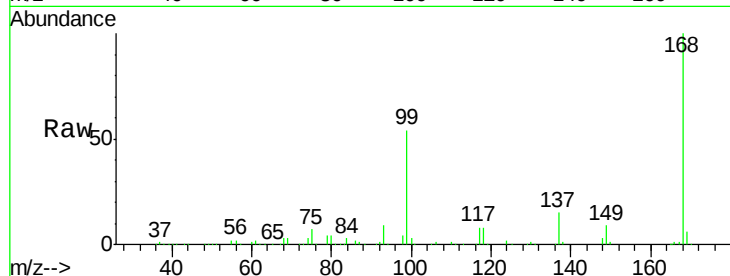
VX0721MBS02

Tot Ion:168 Resp: 287485

Ion Ratio Lower Upper

168 100

99 53.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

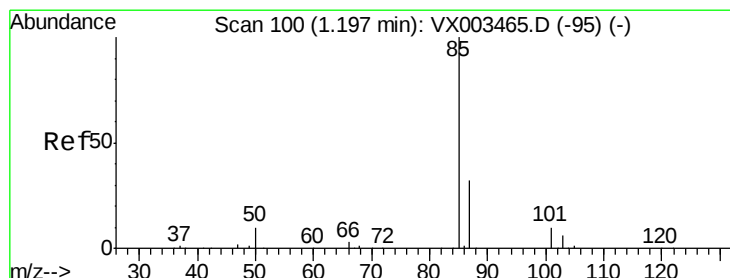
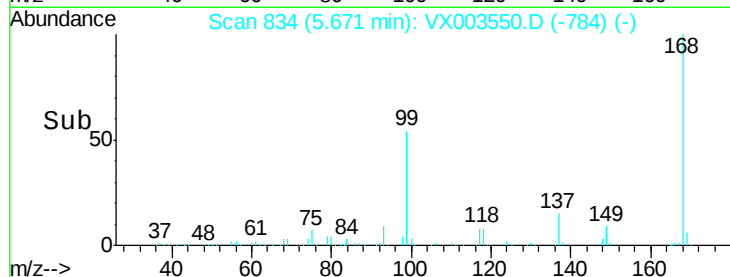
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.42 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003550.D

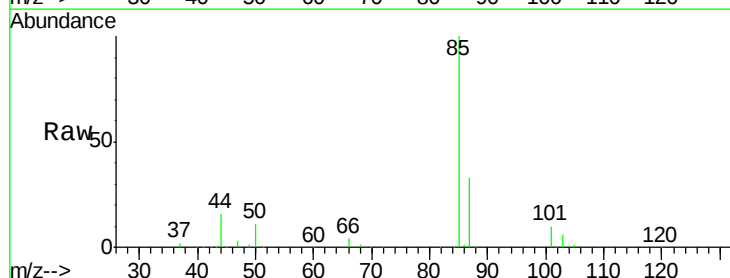
Acq: 21 Jul 2018 13:09

Tgt Ion: 85 Resp: 47570

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

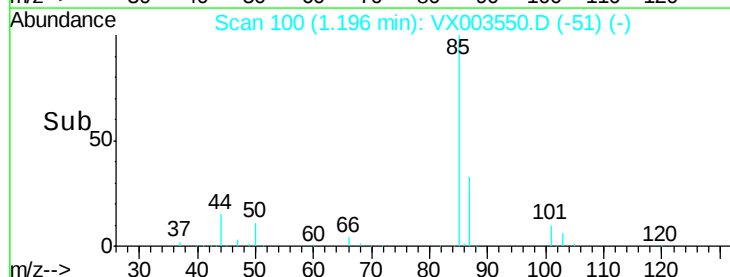
20000

10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

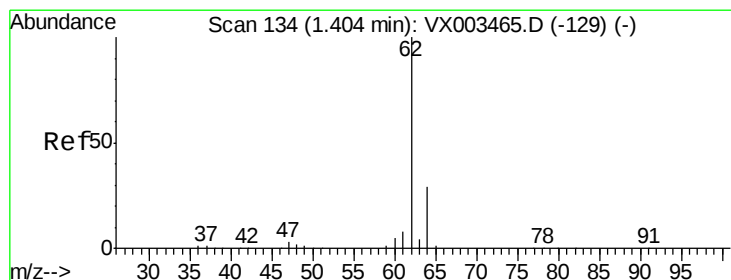
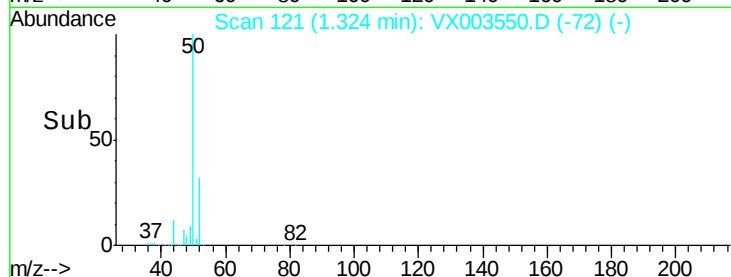
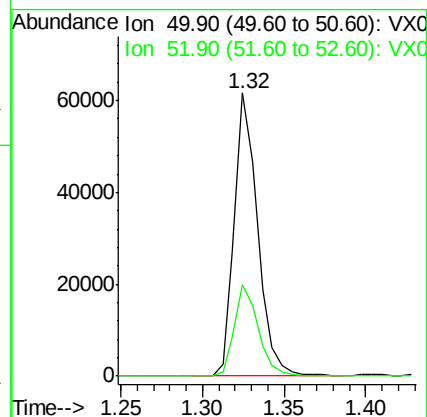
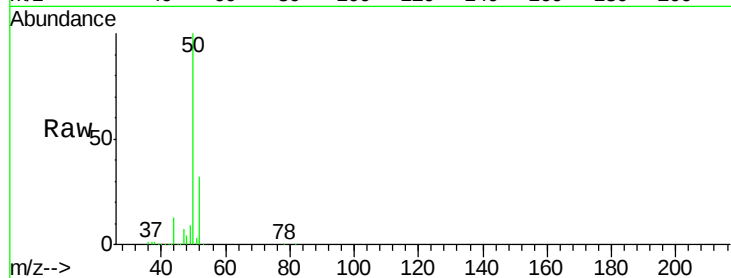
VX0721MBS02

Tot Ion: 50 Resp: 61344

Ion Ratio Lower Upper

50 100

52 32.5 25.7 38.5



#4

Vinyl Chloride

Concen: 19.49 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003550.D

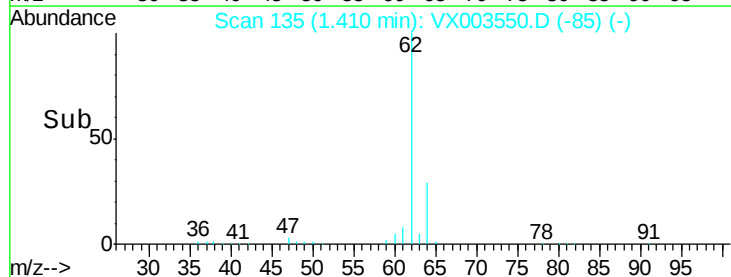
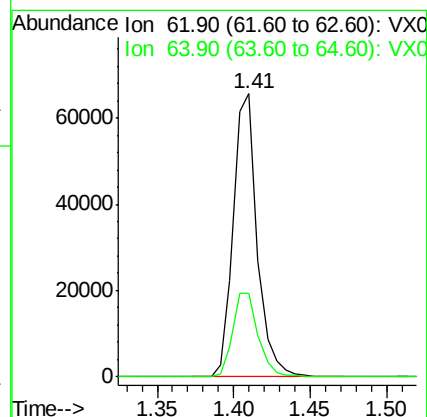
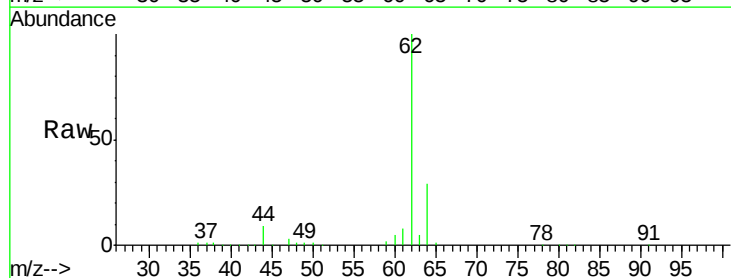
Acq: 21 Jul 2018 13:09

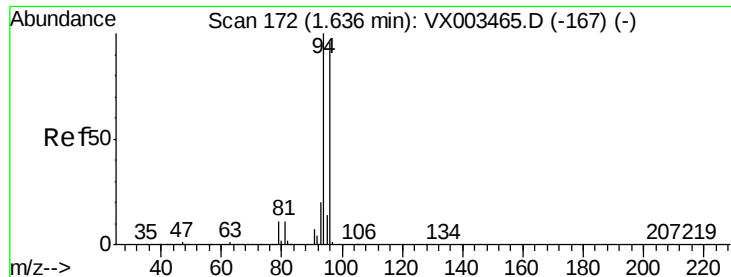
Tgt Ion: 62 Resp: 71170

Ion Ratio Lower Upper

62 100

64 29.5 25.4 38.2





#5

Bromomethane

Concen: 24.73 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

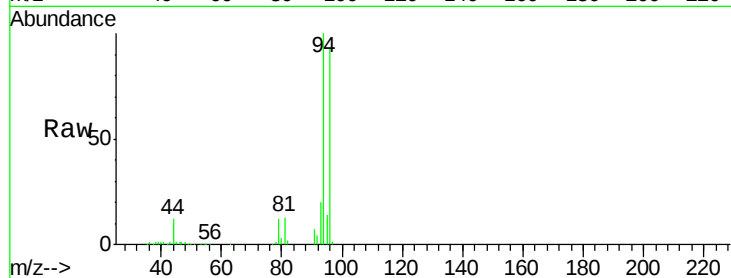
VX0721MBS02

Tot Ion: 94 Resp: 37750

Ion Ratio Lower Upper

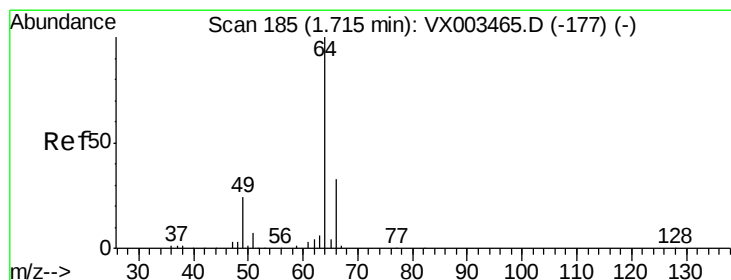
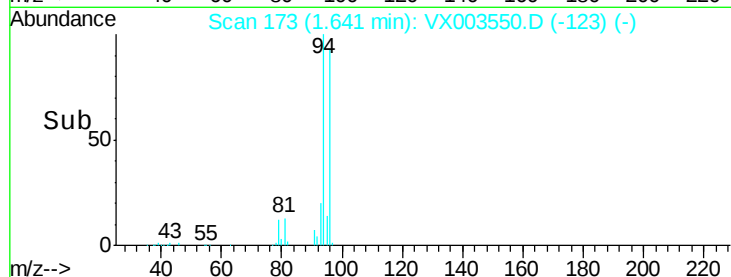
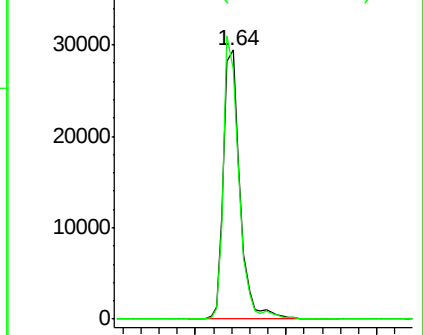
94 100

96 92.7 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: 21.13 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003550.D

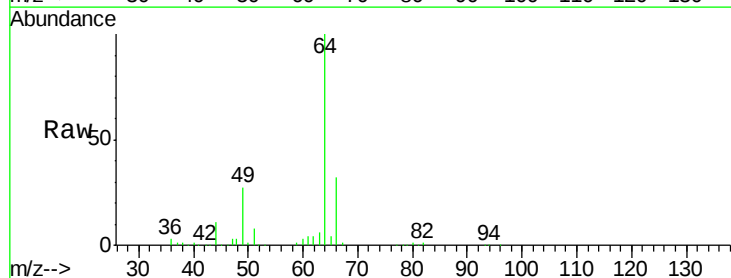
Acq: 21 Jul 2018 13:09

Tgt Ion: 64 Resp: 45664

Ion Ratio Lower Upper

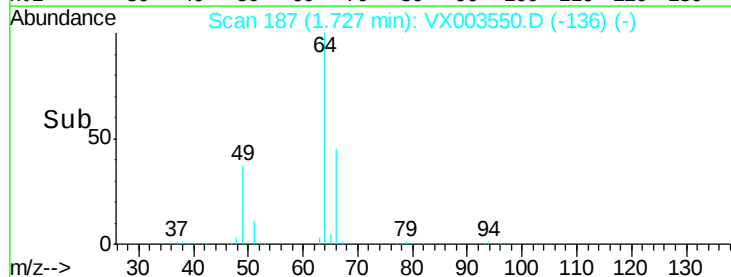
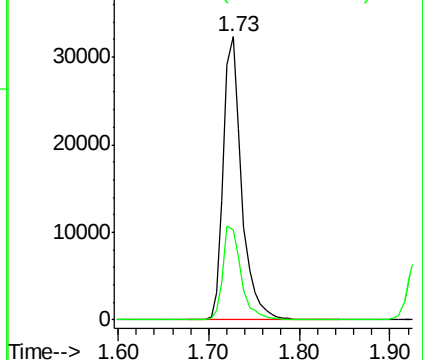
64 100

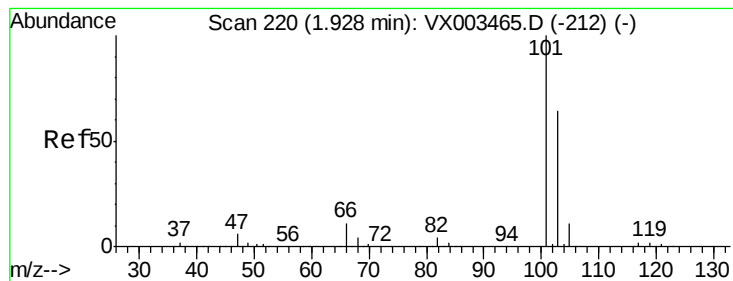
66 31.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 20.26 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

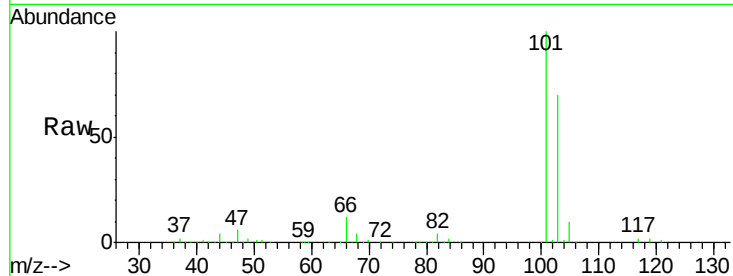
VX0721MBS02

Tot Ion:101 Resp: 98721

Ion Ratio Lower Upper

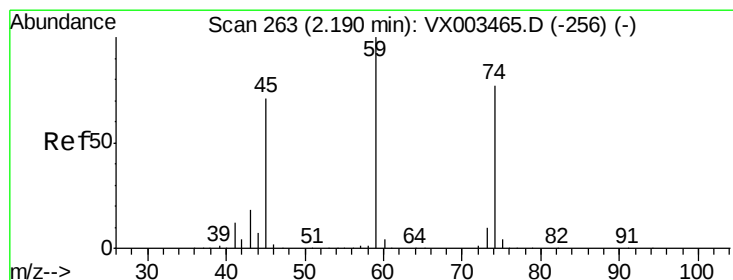
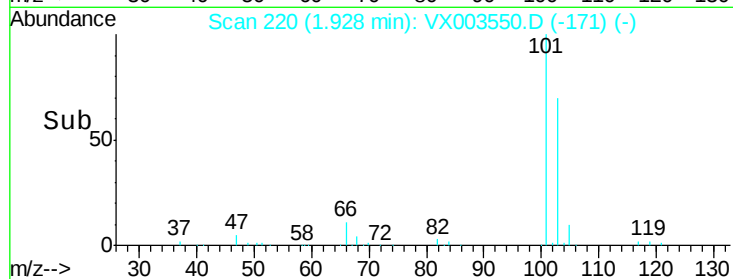
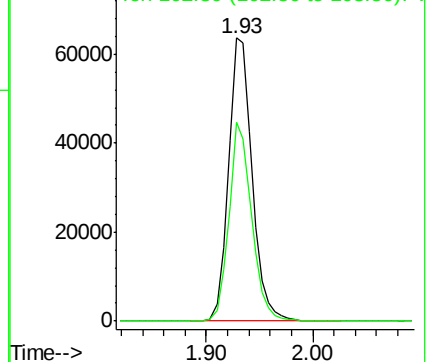
101 100

103 70.2 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.34 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003550.D

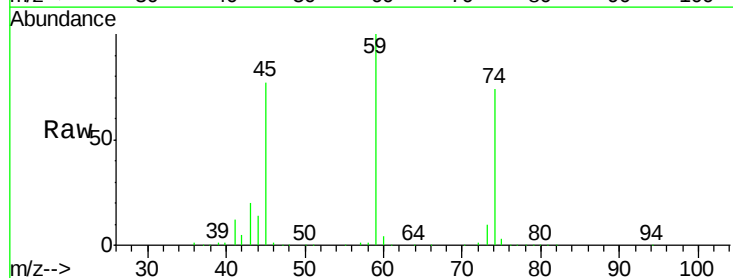
Acq: 21 Jul 2018 13:09

Tgt Ion: 74 Resp: 42558

Ion Ratio Lower Upper

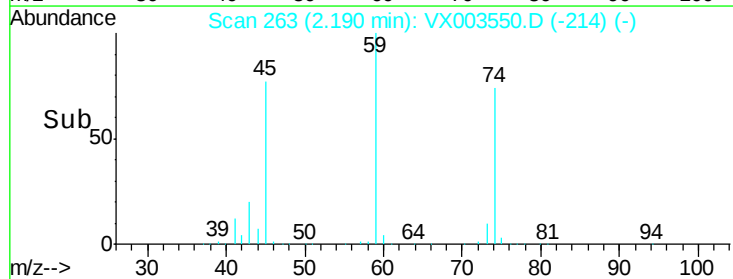
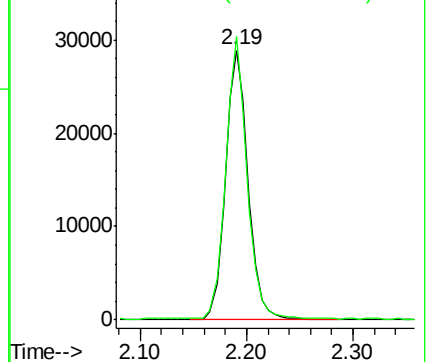
74 100

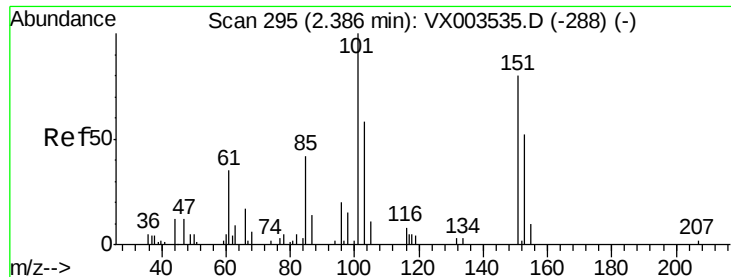
45 98.7 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.82 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

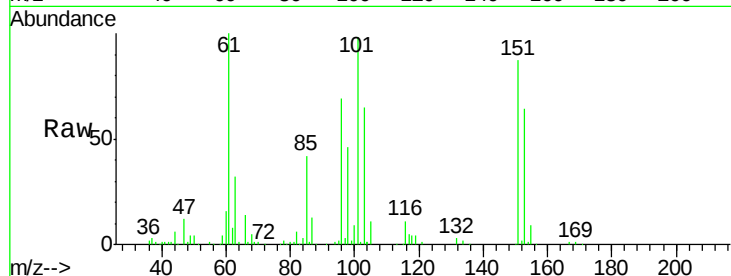
Tot Ion:101 Resp: 63200

Ion Ratio Lower Upper

101 100

85 43.3 36.0 54.0

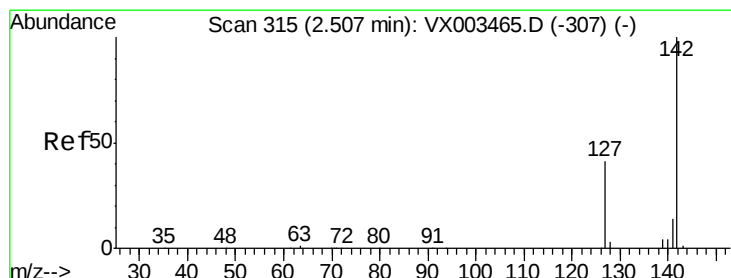
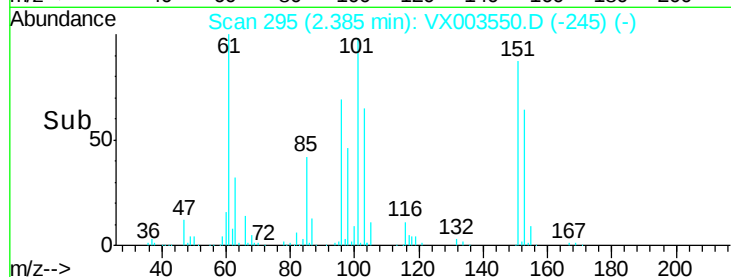
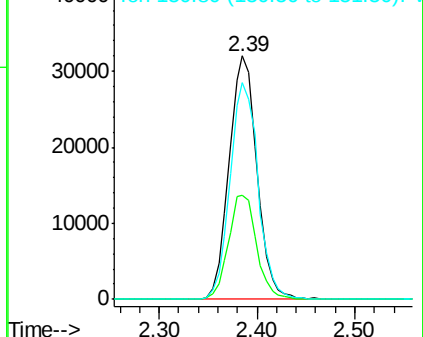
151 89.7 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.56 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

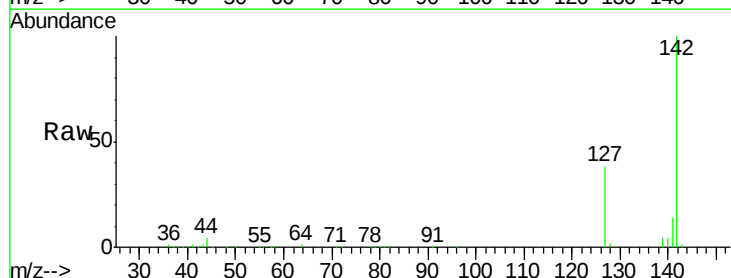
Tgt Ion:142 Resp: 82602

Ion Ratio Lower Upper

142 100

127 38.9 36.6 55.0

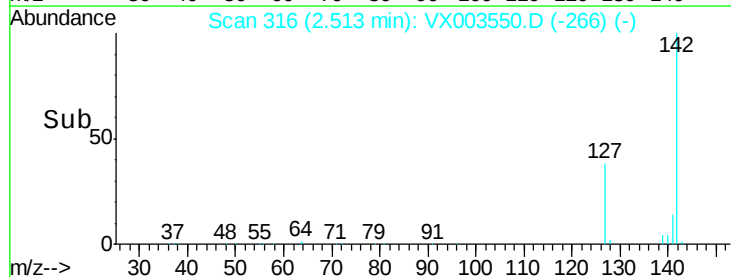
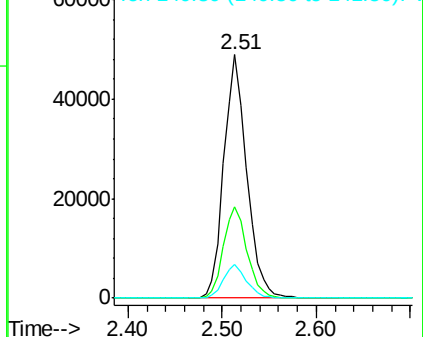
141 14.1 11.3 16.9

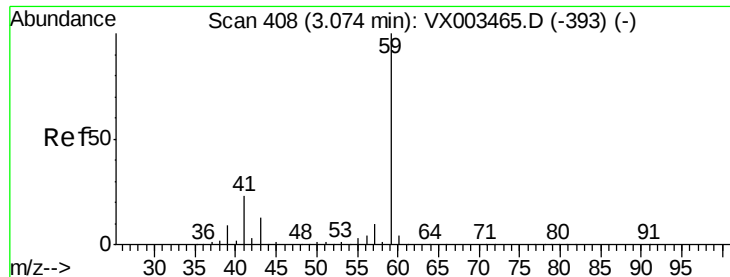


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

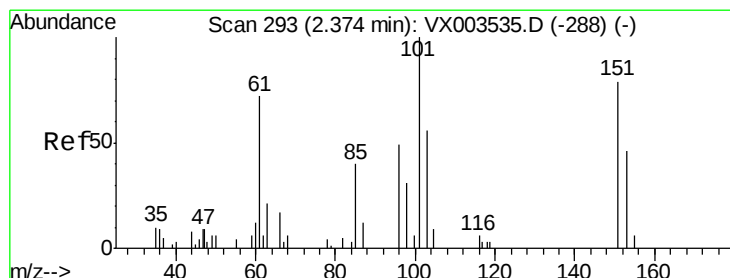
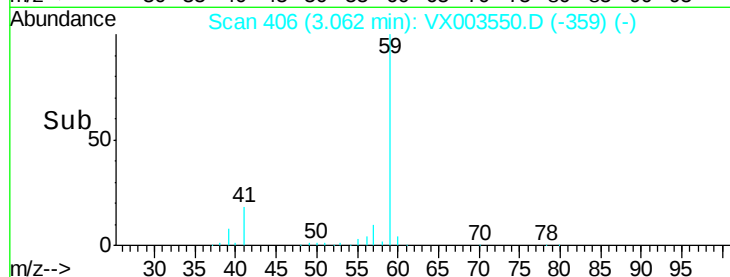
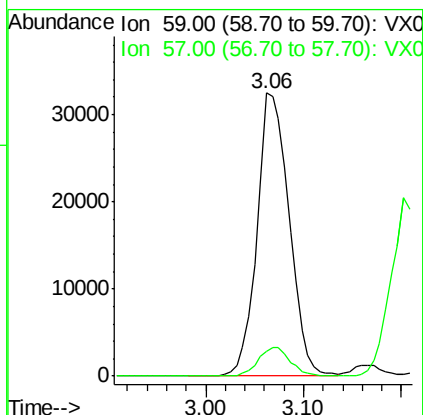
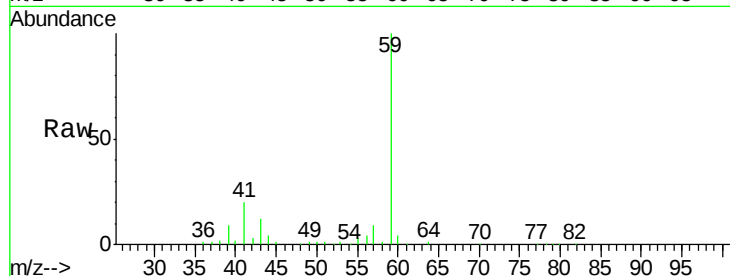




#11
Tert butyl alcohol
Concen: 110.10 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

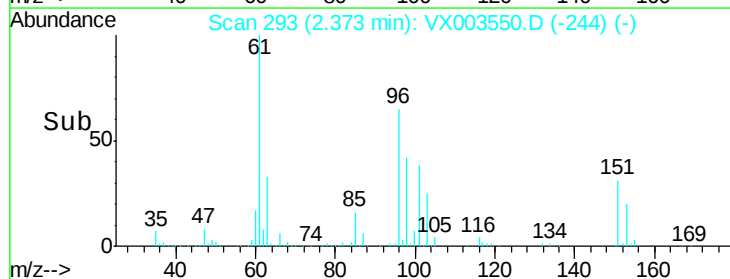
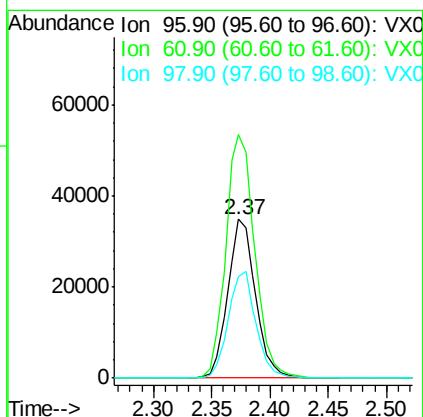
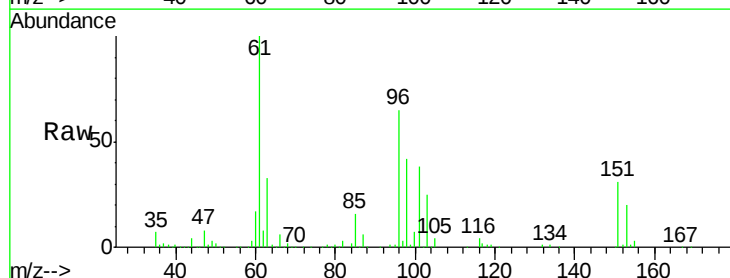
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

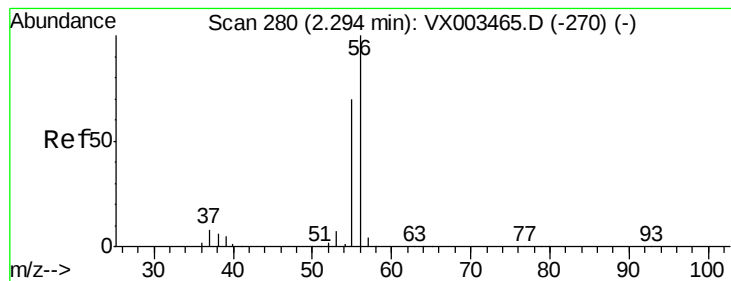
Tot Ion: 59 Resp: 74138
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.58 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 96 Resp: 57498
Ion Ratio Lower Upper
96 100
61 153.2 137.9 206.9
98 64.2 51.6 77.4





#13

Acrolein

Concen: 88.04 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

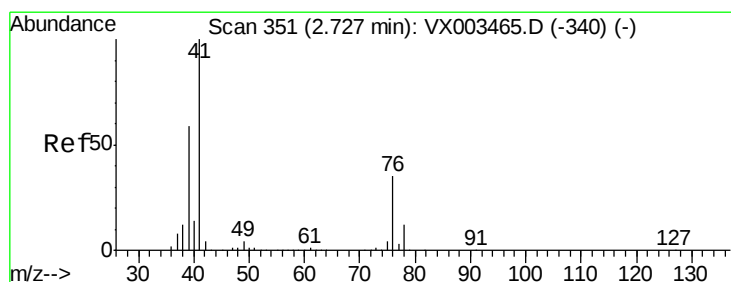
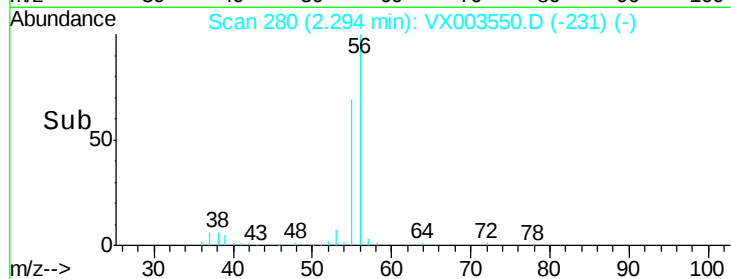
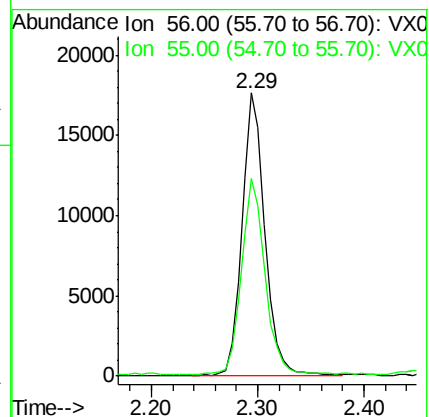
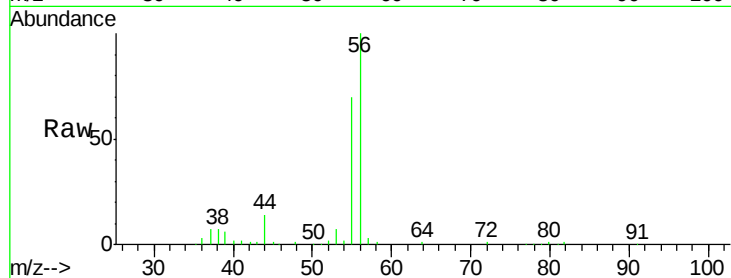
VX0721MBS02

Tot Ion: 56 Resp: 26786

Ion Ratio Lower Upper

56 100

55 71.5 57.0 85.4



#14

Allyl chloride

Concen: 21.27 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

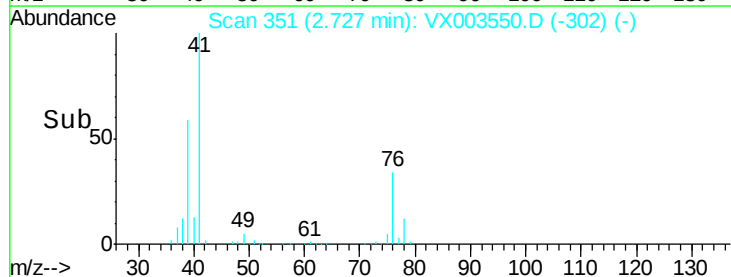
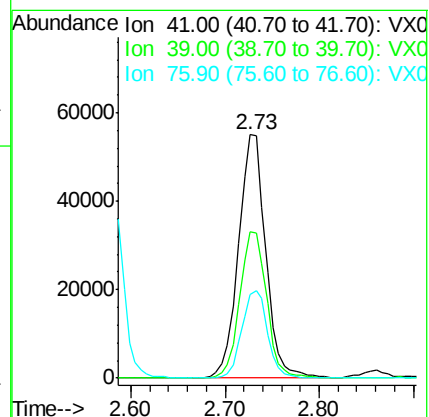
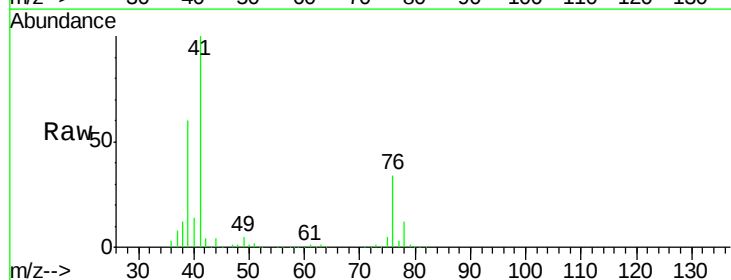
Tgt Ion: 41 Resp: 110544

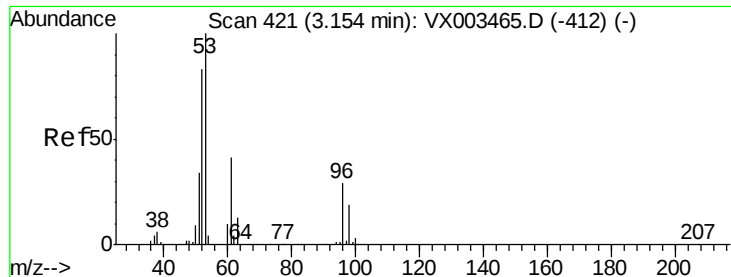
Ion Ratio Lower Upper

41 100

39 59.0 56.8 85.2

76 34.0 23.8 35.8





#15

Acrylonitrile

Concen: 110.14 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampled :

VX0721MBS02

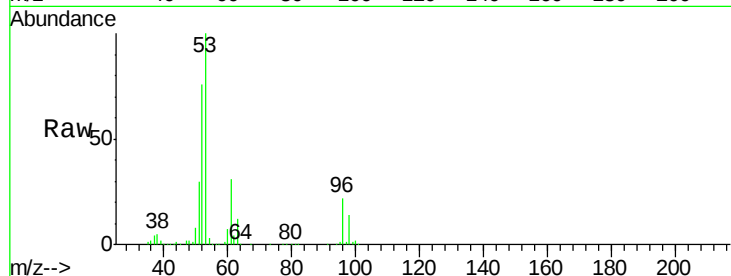
Tot Ion: 53 Resp: 188831

Ion Ratio Lower Upper

53 100

52 78.9 66.7 100.1

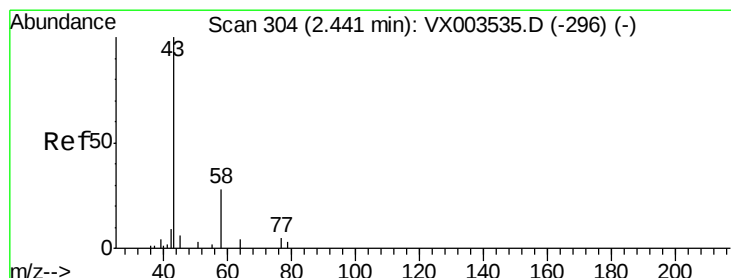
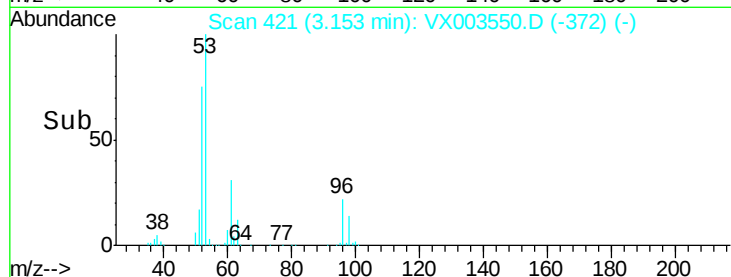
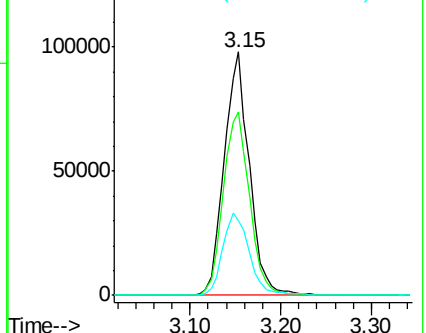
51 35.5 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 109.19 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003550.D

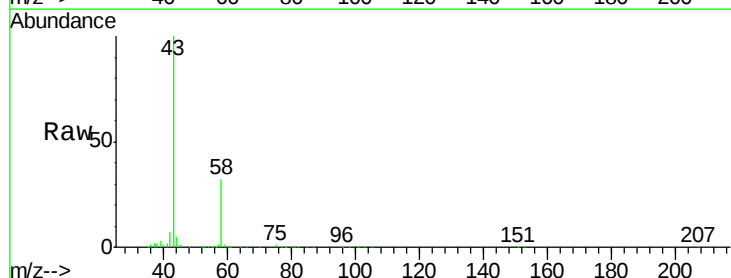
Acq: 21 Jul 2018 13:09

Tgt Ion: 43 Resp: 140360

Ion Ratio Lower Upper

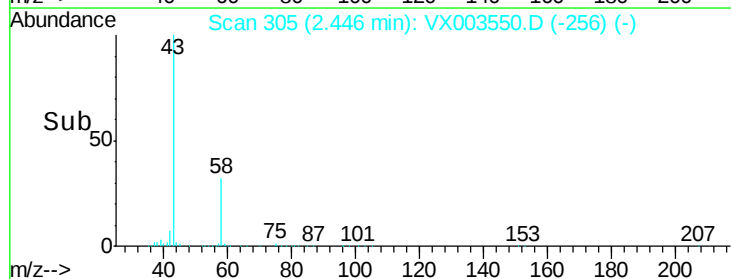
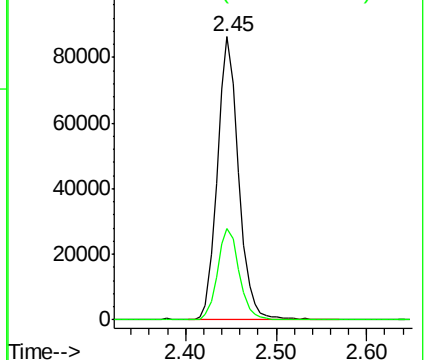
43 100

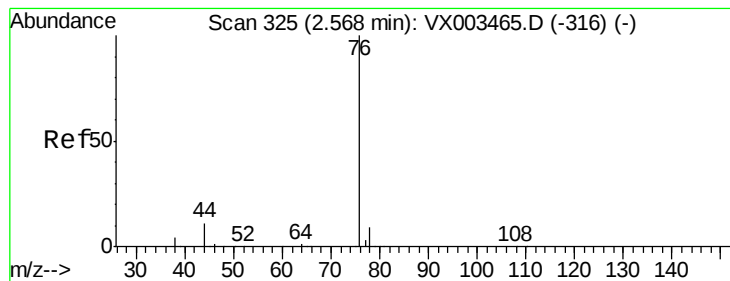
58 32.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 20.43 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

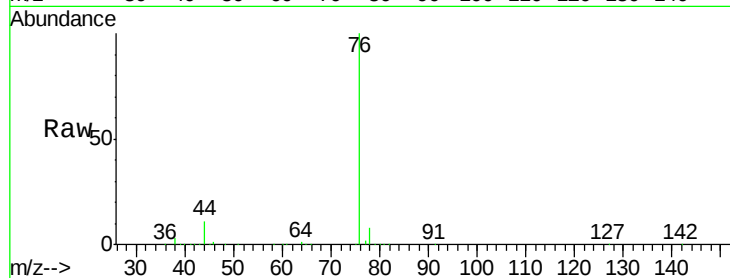
VX0721MBS02

Tot Ion: 76 Resp: 162222

Ion Ratio Lower Upper

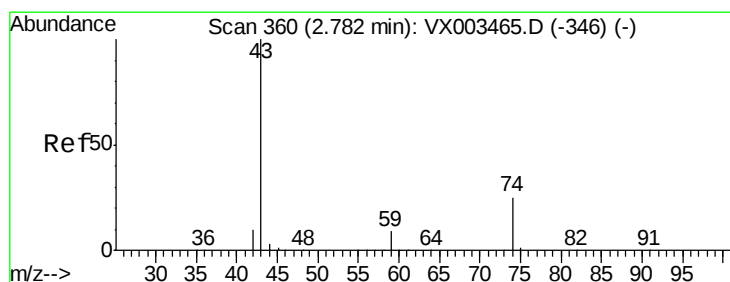
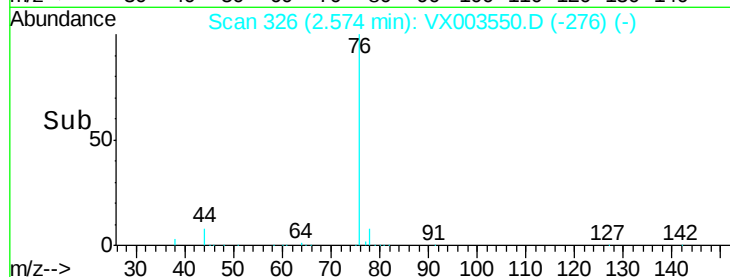
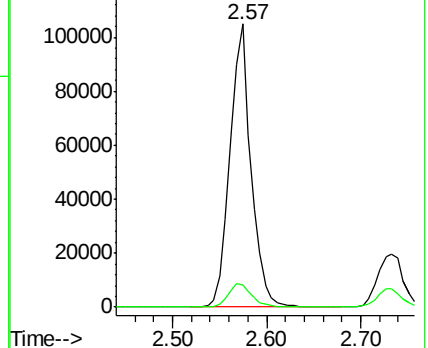
76 100

78 7.8 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: 21.66 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003550.D

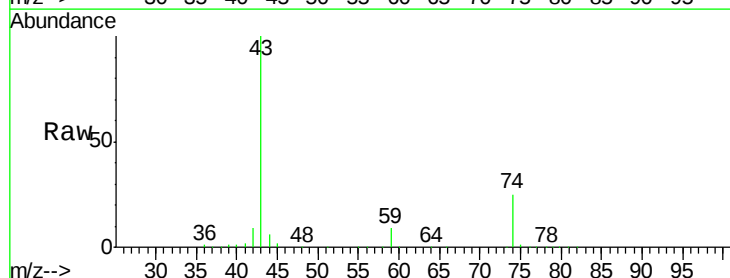
Acq: 21 Jul 2018 13:09

Tgt Ion: 43 Resp: 87771

Ion Ratio Lower Upper

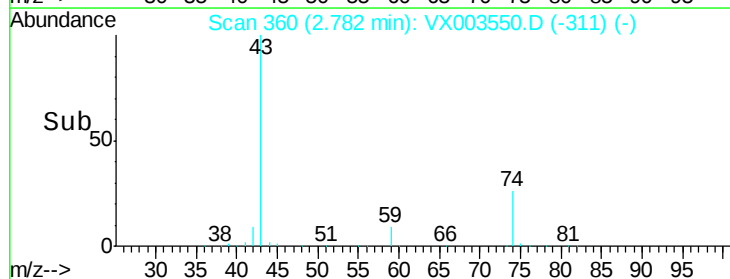
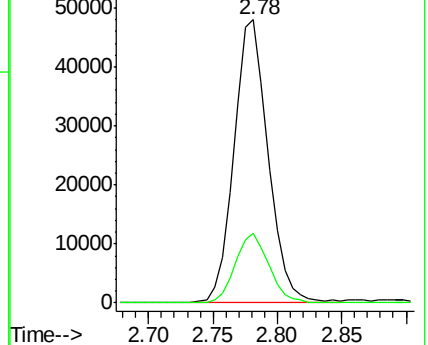
43 100

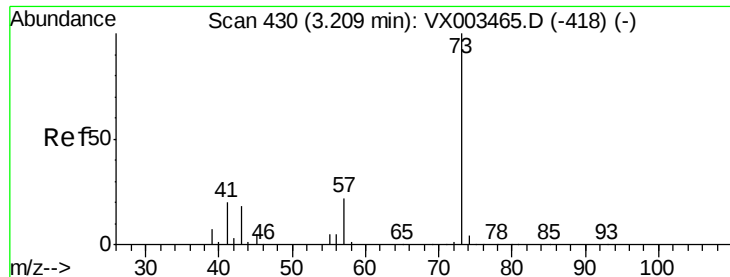
74 24.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

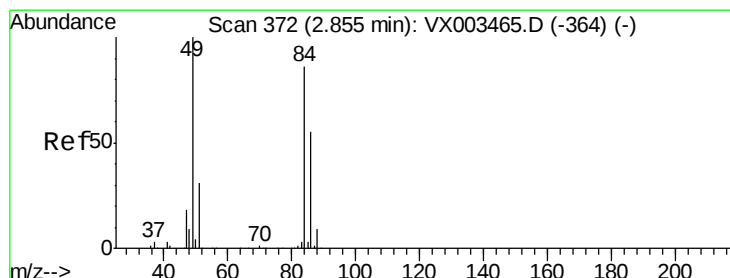
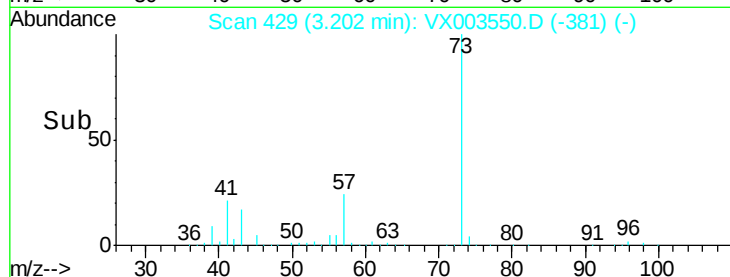
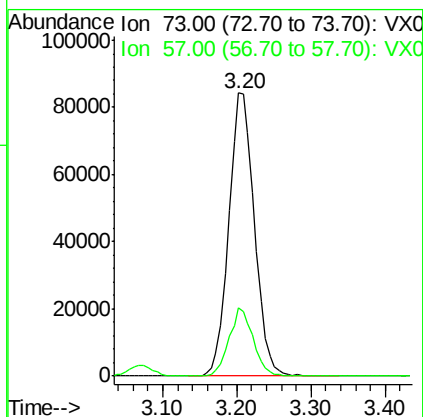
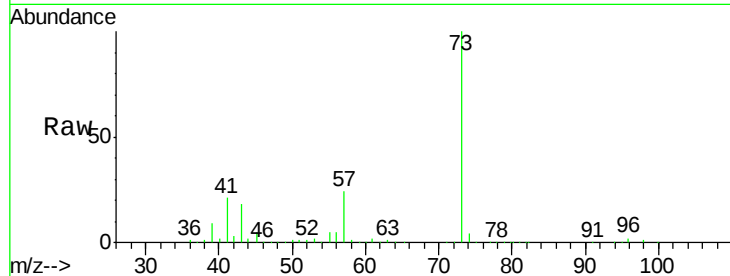




#19
Methyl tert-butyl Ether
Concen: 21.14 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

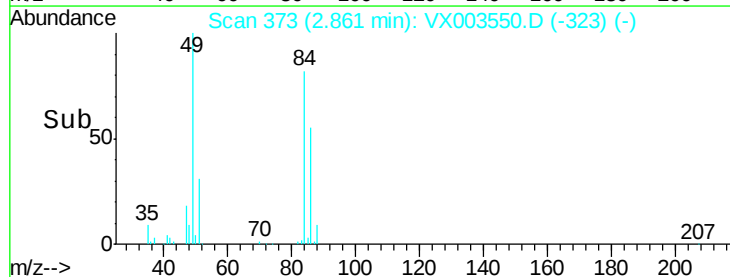
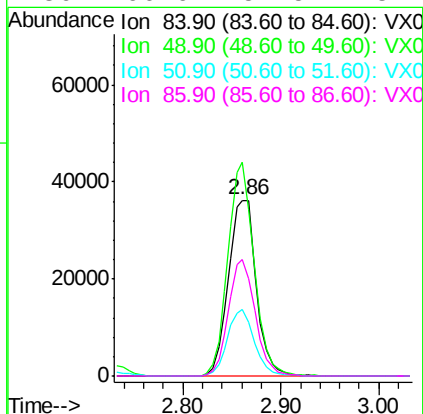
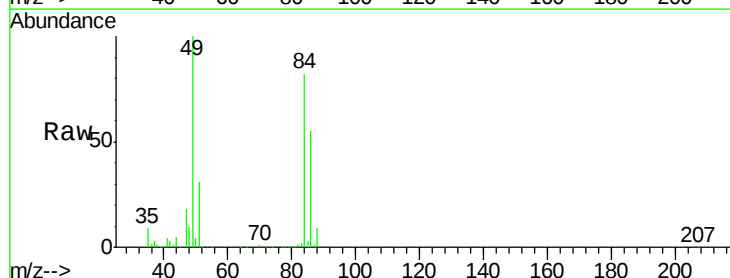
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tot Ion: 73 Resp: 202662
Ion Ratio Lower Upper
73 100
57 24.3 17.7 26.5



#20
Methylene Chloride
Concen: 22.26 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 84 Resp: 71464
Ion Ratio Lower Upper
84 100
49 121.6 107.8 161.6
51 37.7 32.8 49.2
86 66.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.14 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

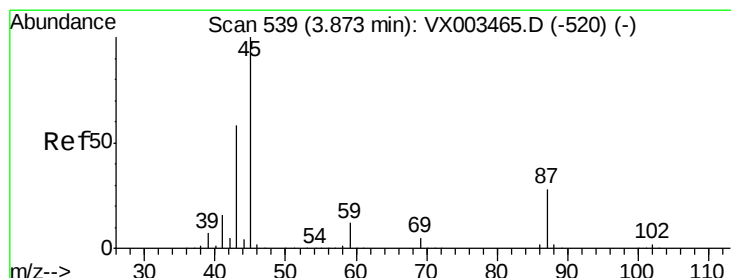
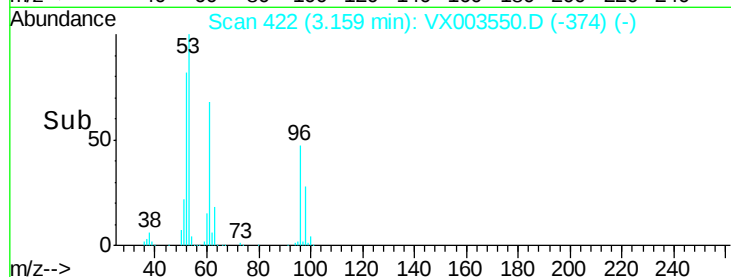
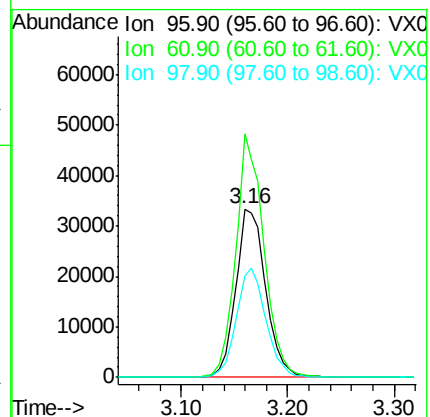
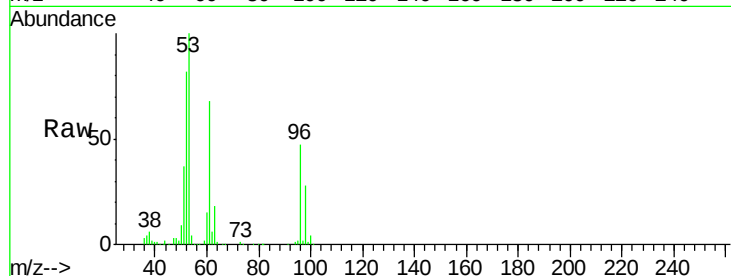
Tot Ion: 96 Resp: 65793

Ion Ratio Lower Upper

96 100

61 144.6 117.0 175.4

98 60.1 52.4 78.6



#22

Diisopropyl ether

Concen: 22.22 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Tgt Ion: 45 Resp: 217378

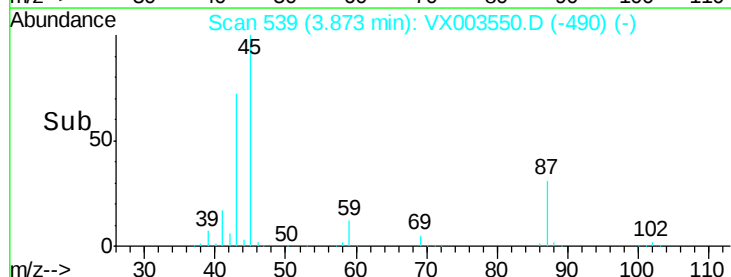
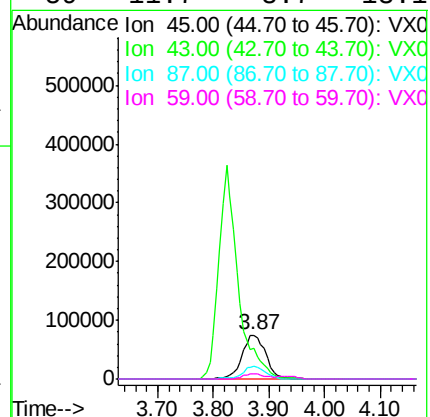
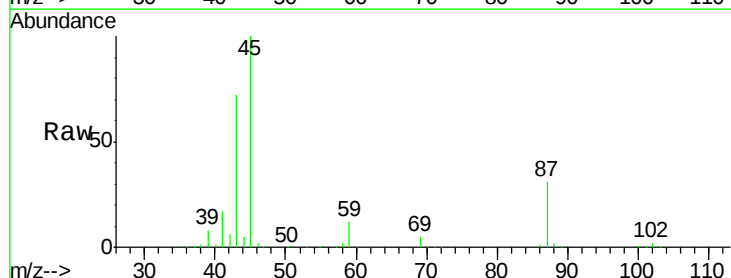
Ion Ratio Lower Upper

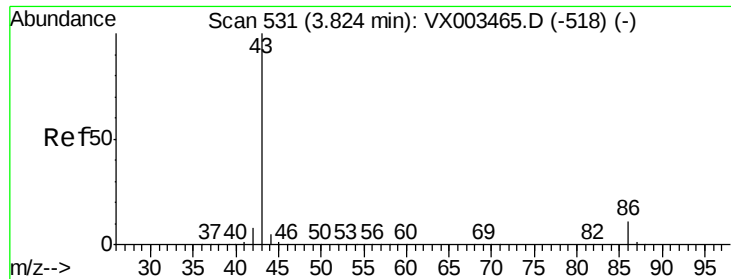
45 100

43 71.5 46.8 70.2#

87 30.9 20.2 30.4#

59 11.7 8.7 13.1





#23

Vinyl Acetate

Concen: 110.18 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

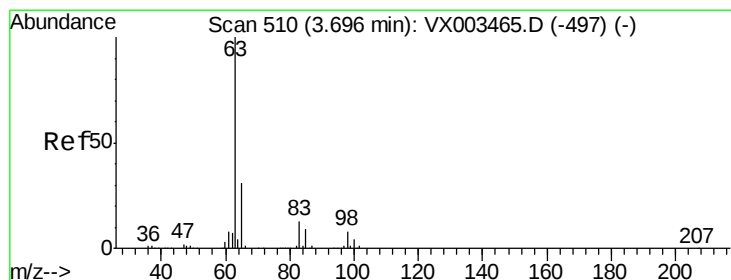
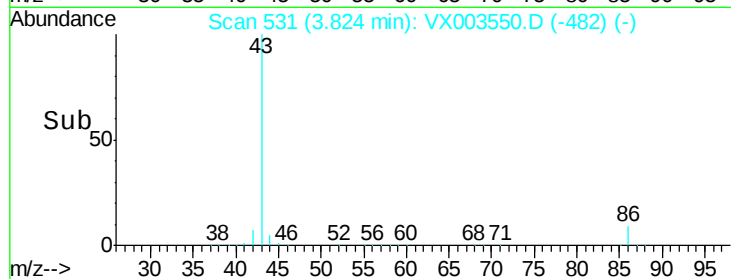
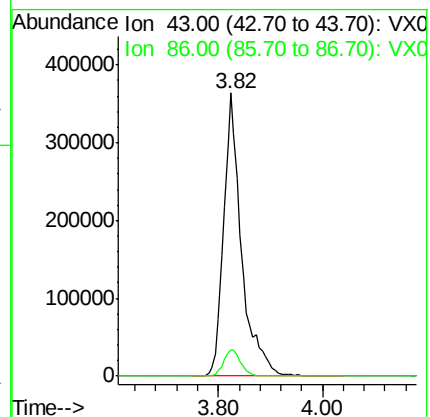
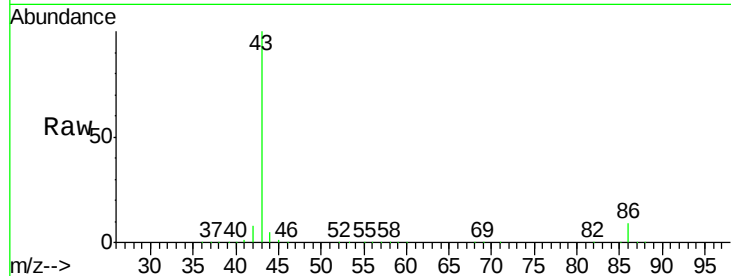
VX0721MBS02

Tot Ion: 43 Resp: 887671

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.0



#24

1,1-Dichloroethane

Concen: 21.50 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

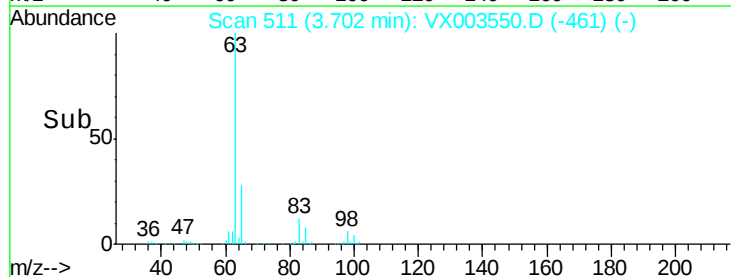
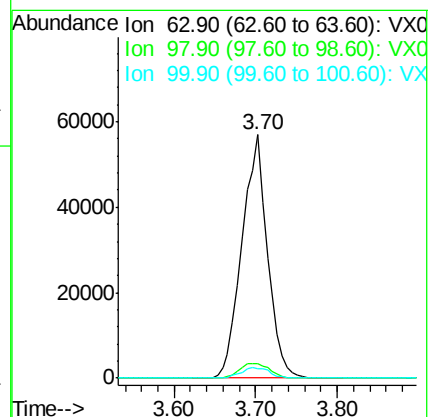
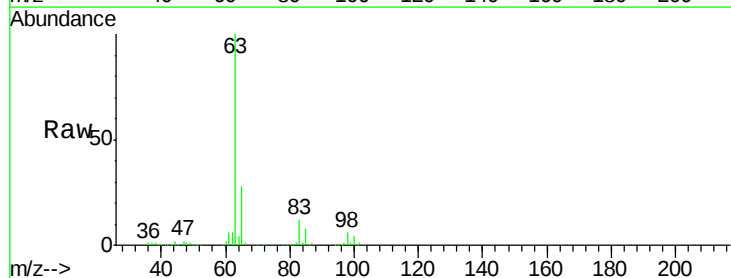
Tgt Ion: 63 Resp: 123363

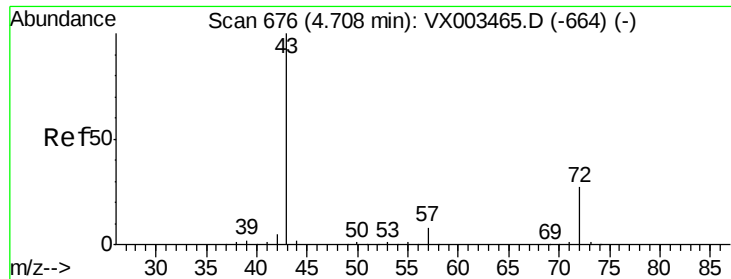
Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 111.29 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

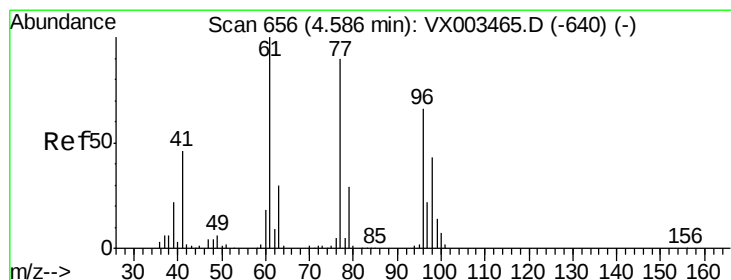
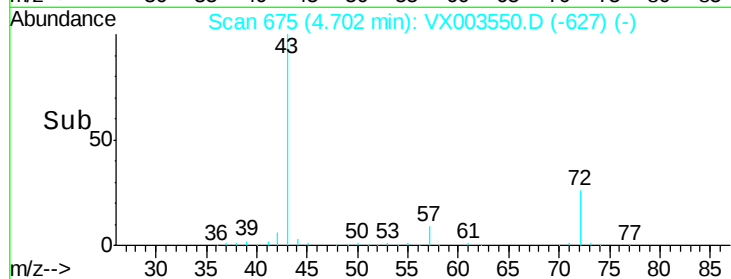
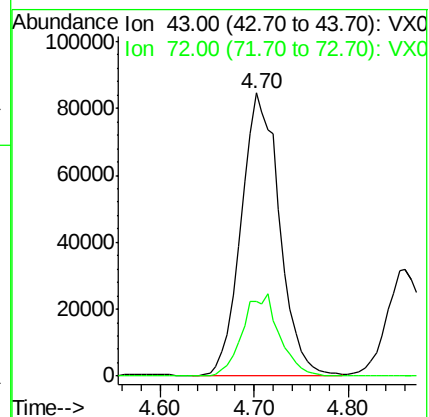
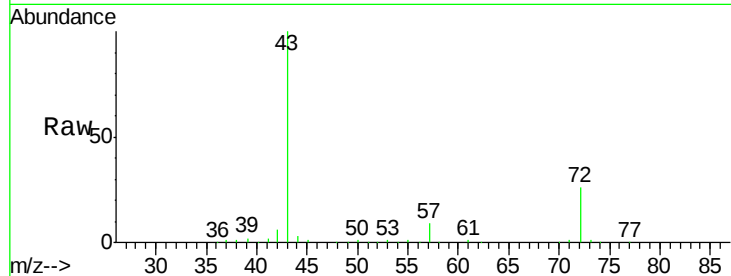
VX0721MBS02

Tot Ion: 43 Resp: 240020

Ion Ratio Lower Upper

43 100

72 26.2 18.5 27.7



#26

2,2-Dichloropropane

Concen: 22.90 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003550.D

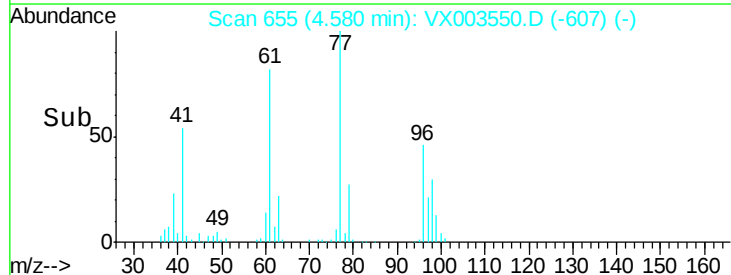
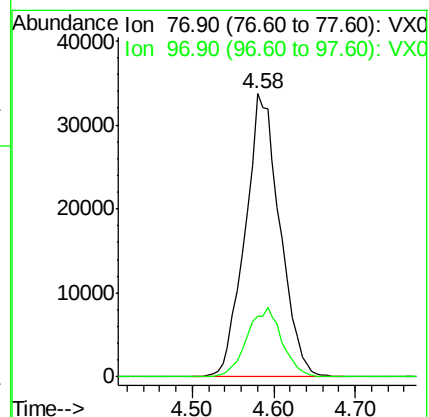
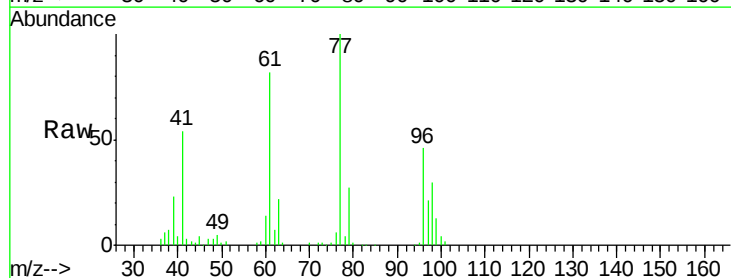
Acq: 21 Jul 2018 13:09

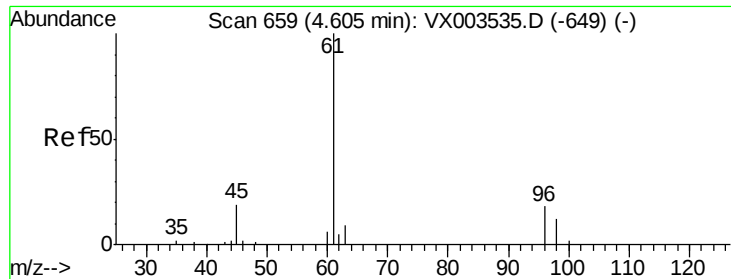
Tgt Ion: 77 Resp: 99812

Ion Ratio Lower Upper

77 100

97 24.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 21.62 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

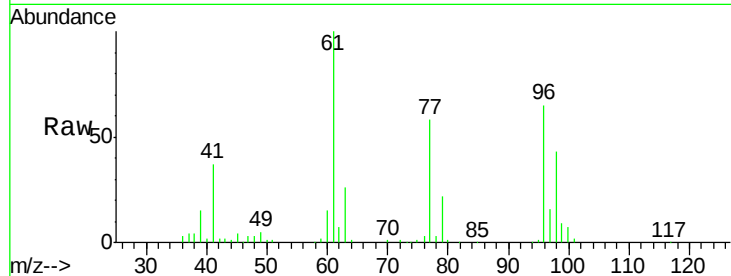
Tot Ion: 96 Resp: 78655

Ion Ratio Lower Upper

96 100

61 189.6 0.0 330.2

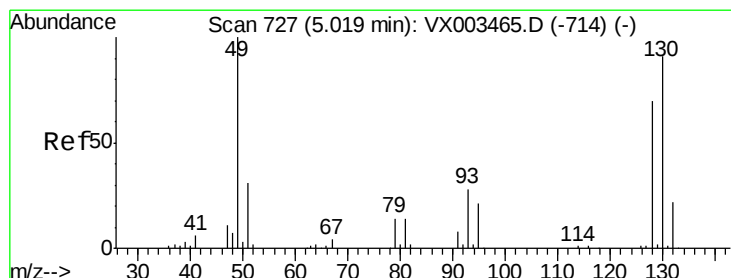
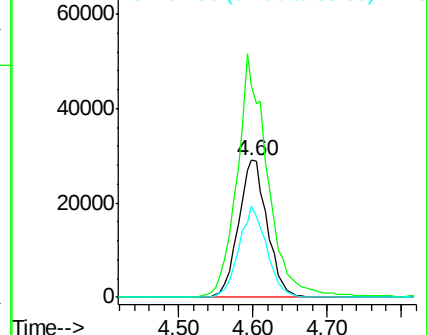
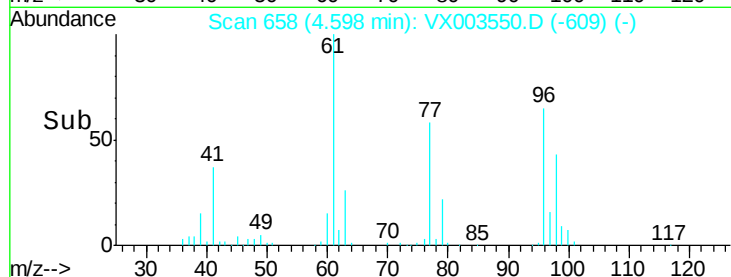
98 64.2 0.0 130.2



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: 21.03 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

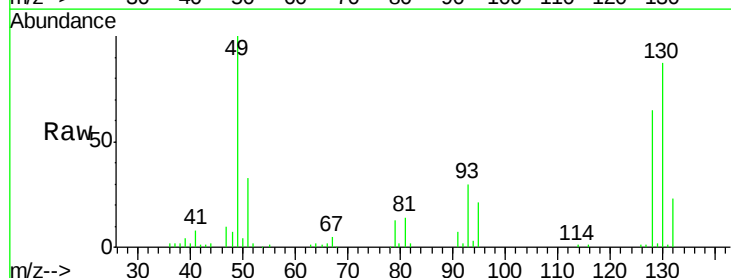
Tgt Ion: 49 Resp: 52748

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

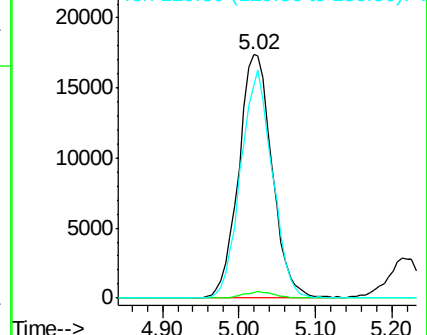
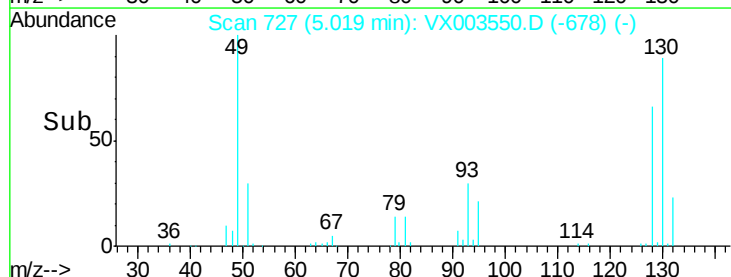
130 88.8 61.2 91.8



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

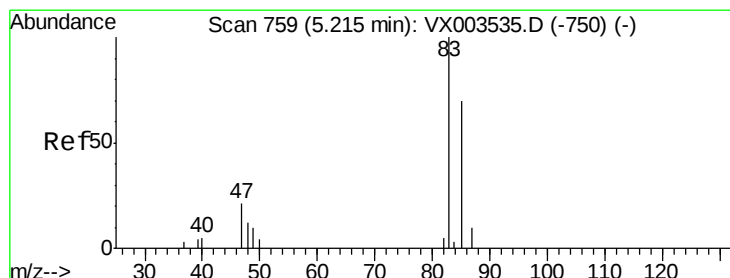
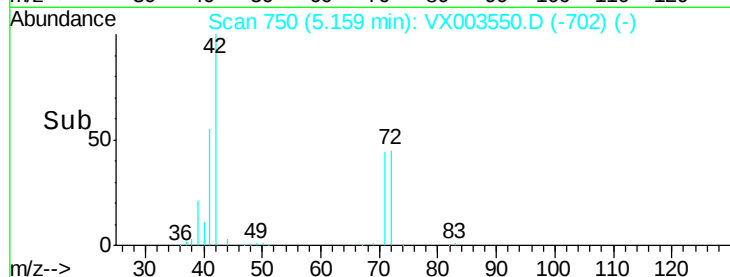
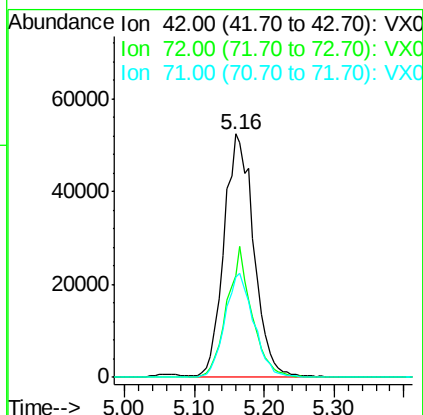
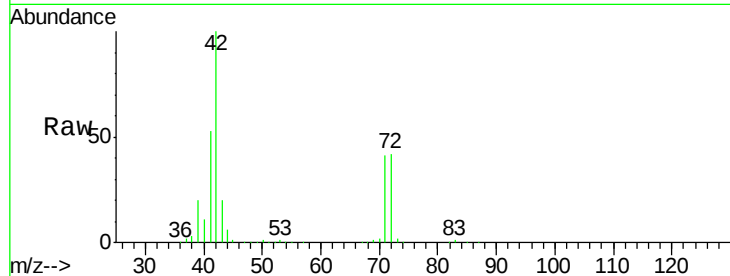




#29
Tetrahydrofuran
Concen: 108.71 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

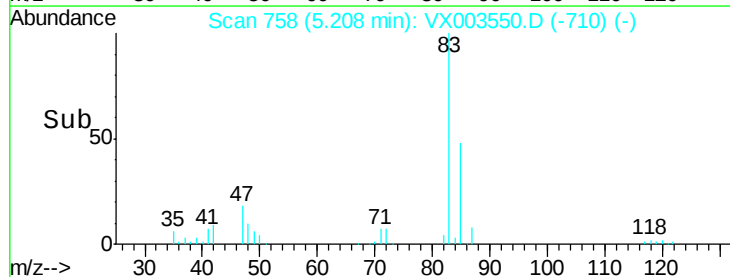
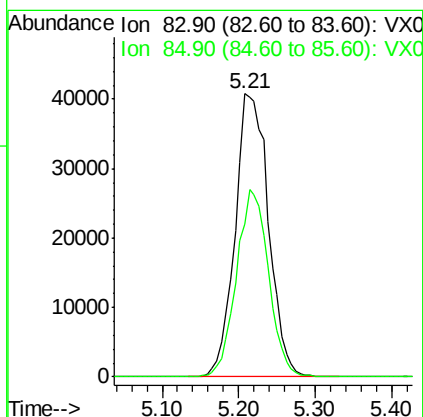
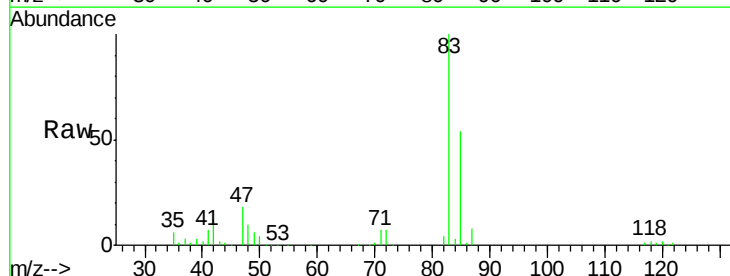
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

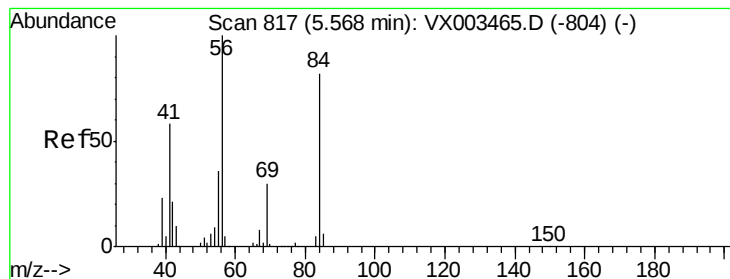
Tot Ion: 42 Resp: 154883
Ion Ratio Lower Upper
42 100
72 44.8 32.0 48.0
71 41.6 30.1 45.1



#30
Chloroform
Concen: 22.03 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 83 Resp: 123456
Ion Ratio Lower Upper
83 100
85 54.1 50.4 75.6





#31

Cyclohexane

Concen: 20.72 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

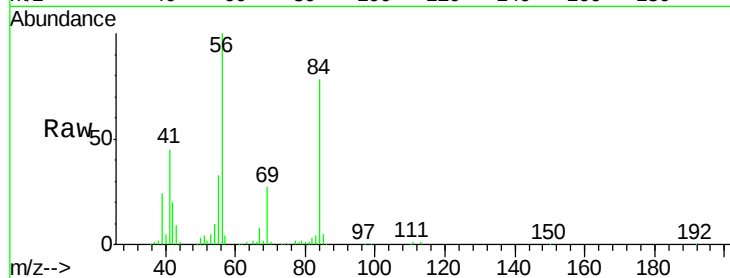
Tot Ion: 56 Resp: 106223

Ion Ratio Lower Upper

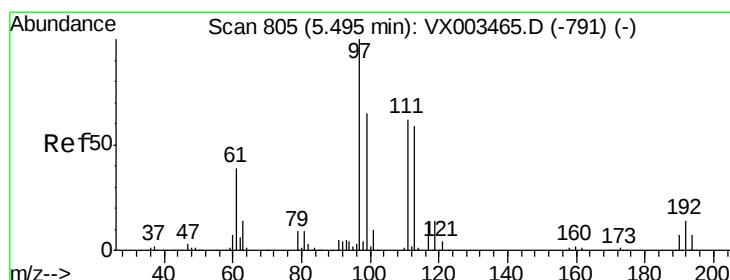
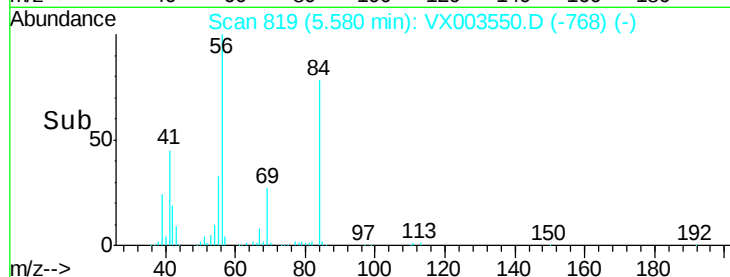
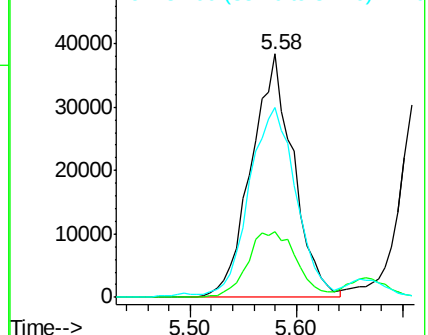
56 100

69 26.8 23.7 35.5

84 76.7 64.1 96.1



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



#32

1,1,1-Trichloroethane

Concen: 20.94 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

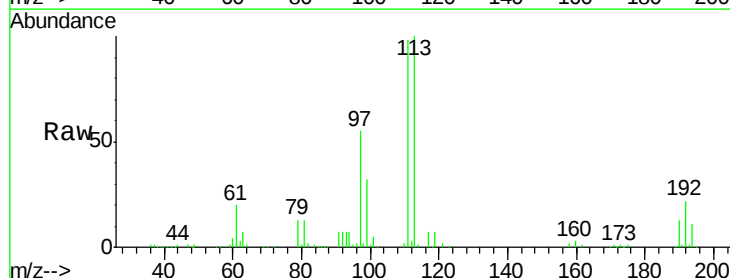
Tgt Ion: 97 Resp: 100461

Ion Ratio Lower Upper

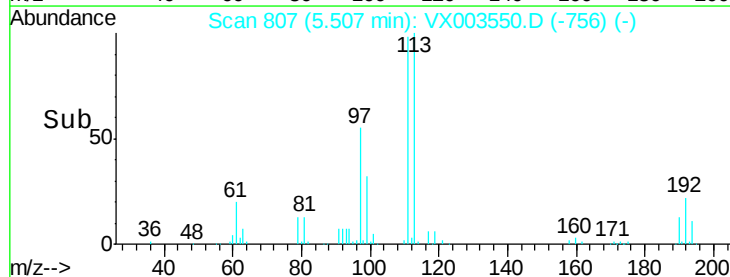
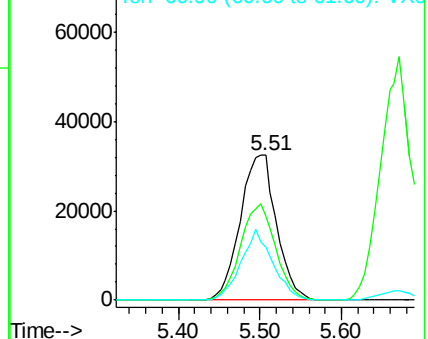
97 100

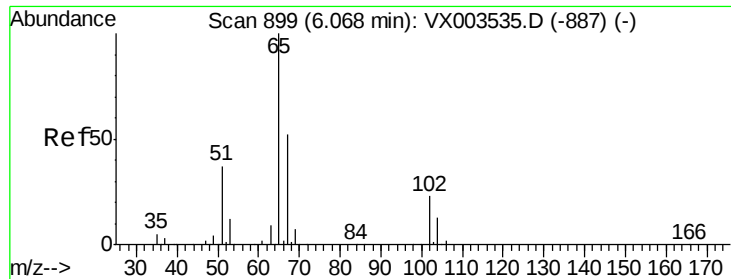
99 64.2 51.6 77.4

61 42.5 36.4 54.6



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





#33

1,2-Dichloroethane-d4

Concen: 51.77 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

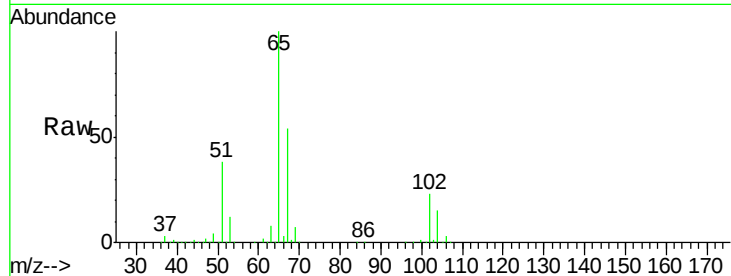
VX0721MBS02

Tot Ion: 65 Resp: 176179

Ion Ratio Lower Upper

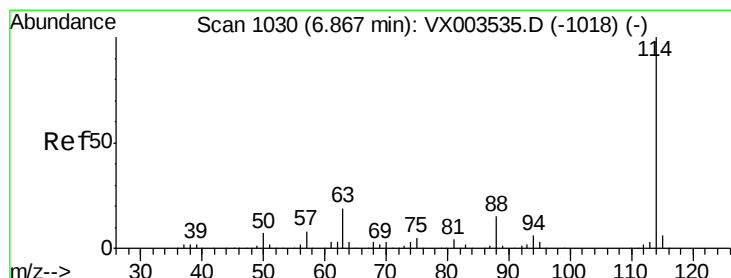
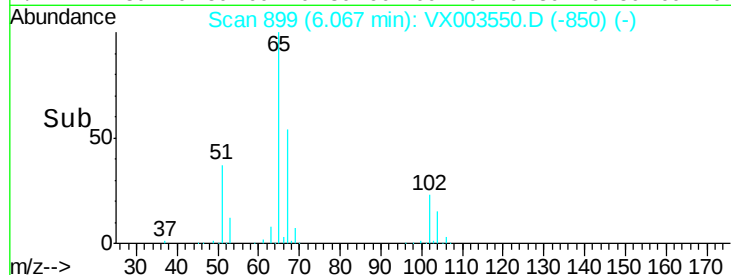
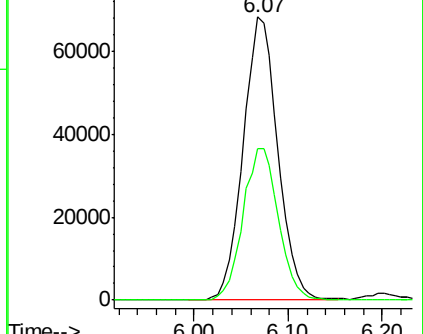
65 100

67 54.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

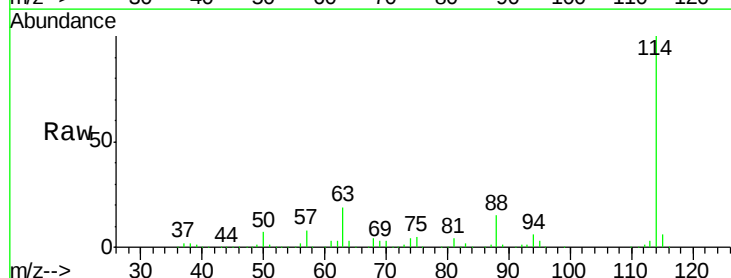
Tgt Ion: 114 Resp: 408935

Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

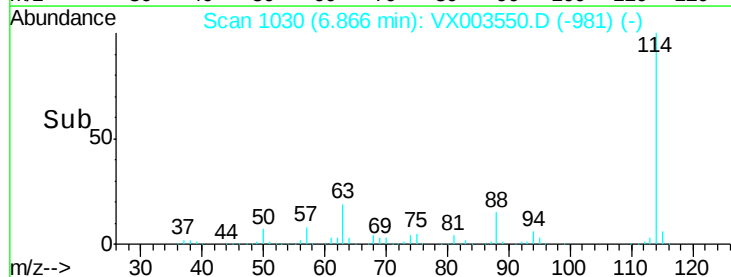
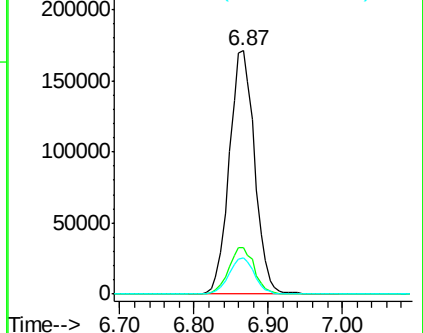
88 14.7 0.0 30.0

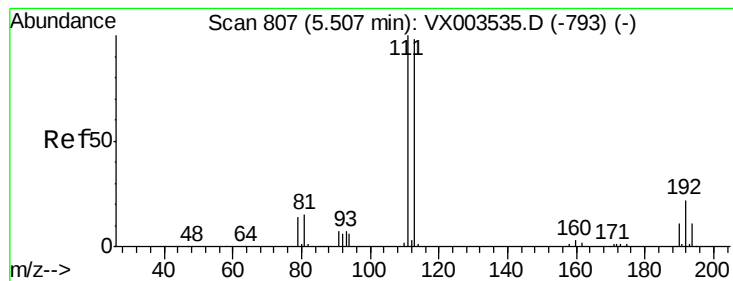


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.31 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

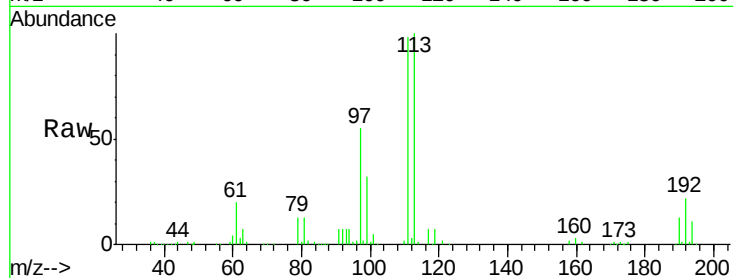
Tot Ion:113 Resp: 159805

Ion Ratio Lower Upper

113 100

111 105.0 81.4 122.0

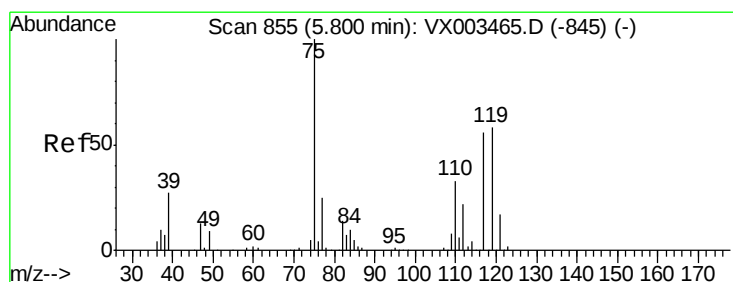
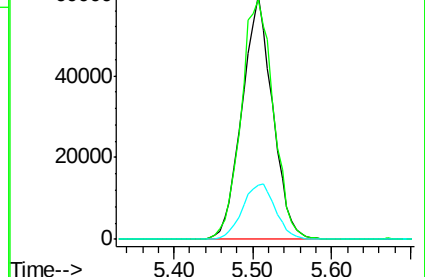
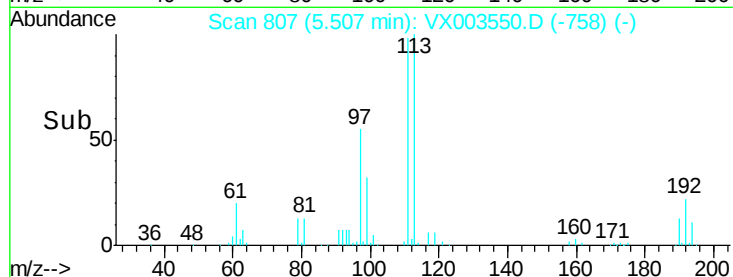
192 24.5 19.1 28.7



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: 19.66 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

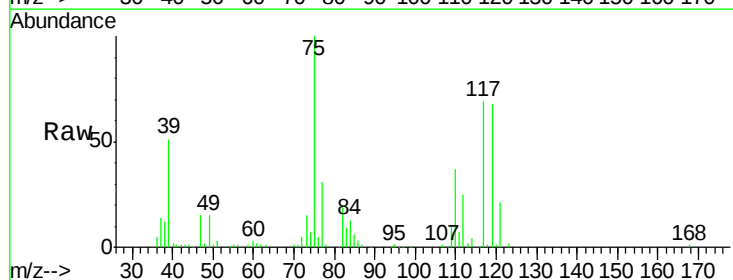
Tgt Ion: 75 Resp: 86782

Ion Ratio Lower Upper

75 100

110 38.9 18.1 54.4

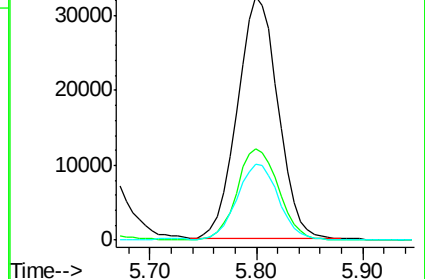
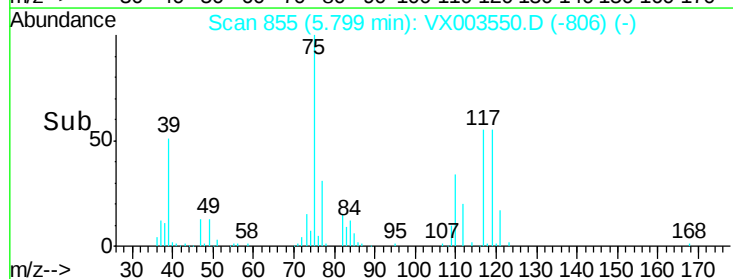
77 32.3 24.3 36.5

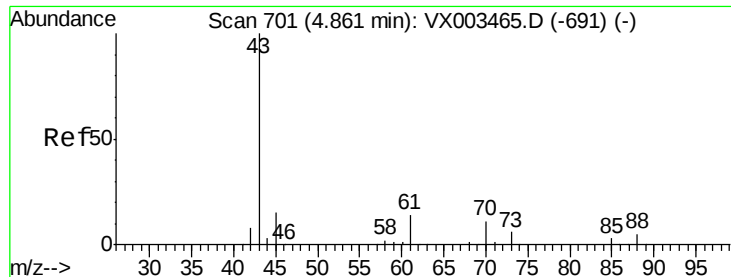


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

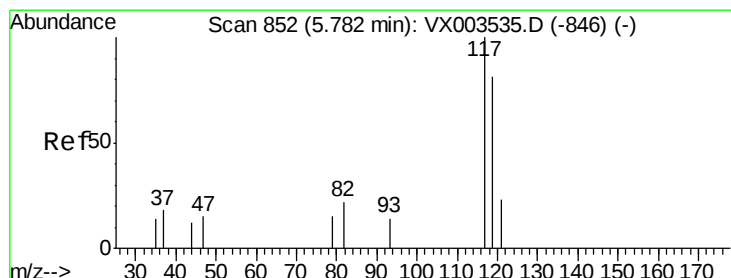
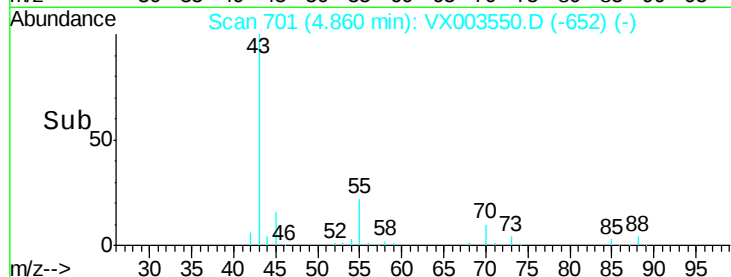
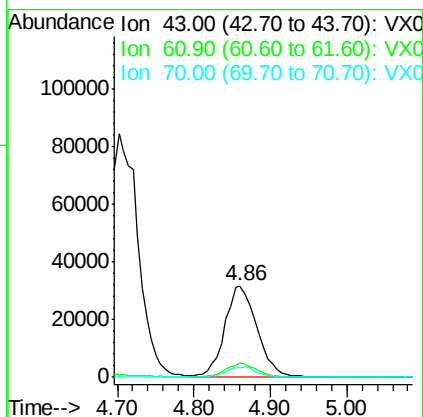
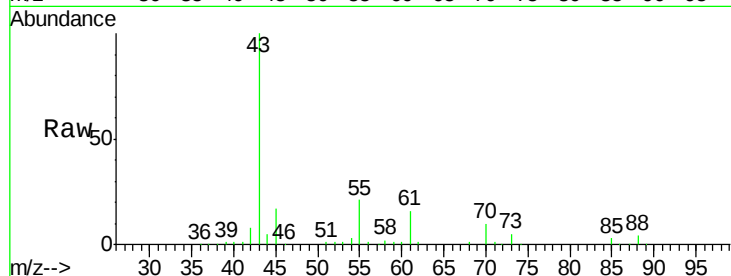




#37
Ethyl Acetate
Concen: 21.94 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

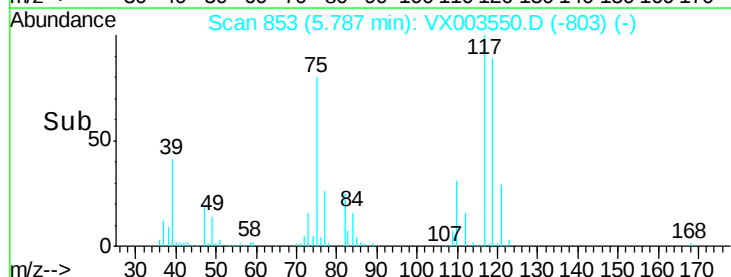
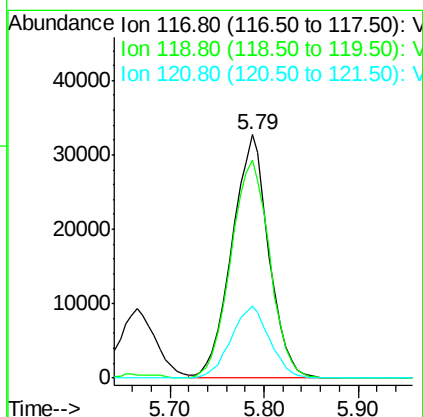
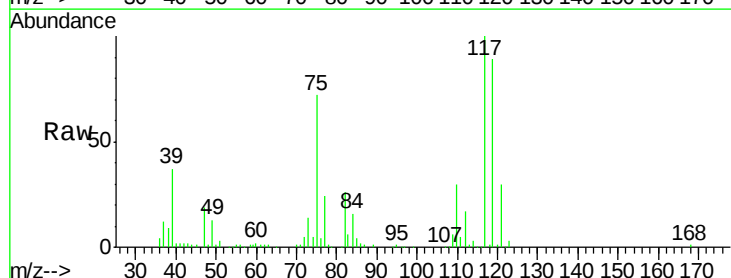
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

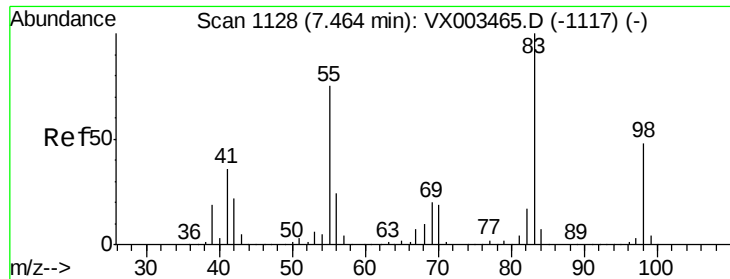
Tot Ion: 43 Resp: 91656
Ion Ratio Lower Upper
43 100
61 15.4 10.4 15.6
70 11.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 20.62 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 117 Resp: 89314
Ion Ratio Lower Upper
117 100
119 89.4 77.4 116.0
121 29.5 24.4 36.6

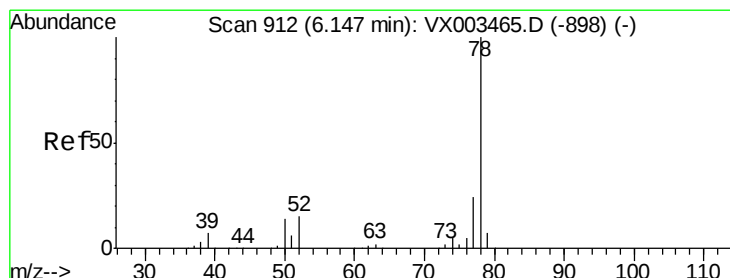
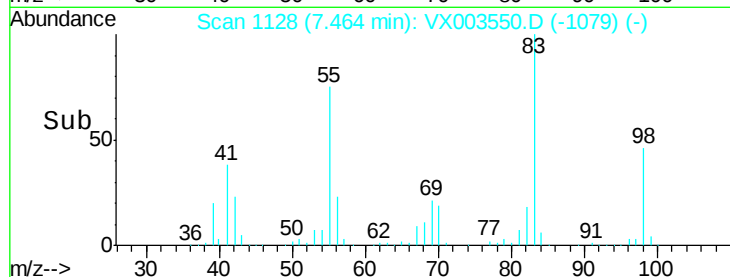
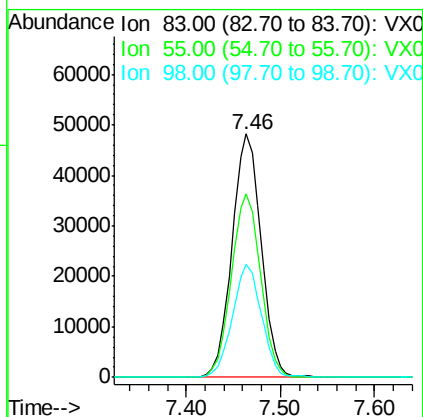
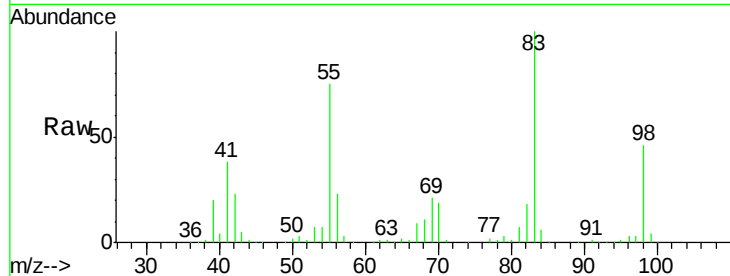




#39
Methvlcvclohexane
Concen: 19.72 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

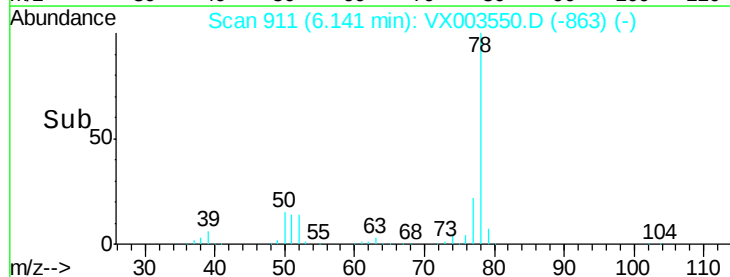
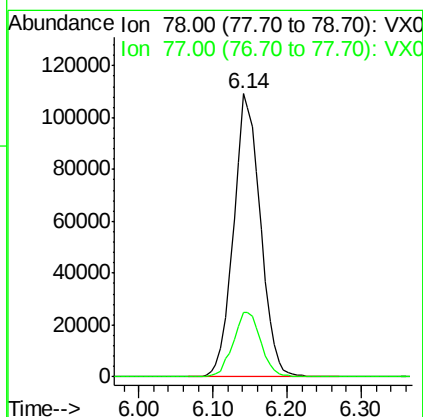
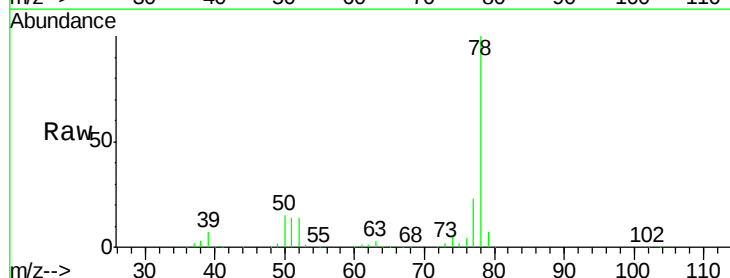
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

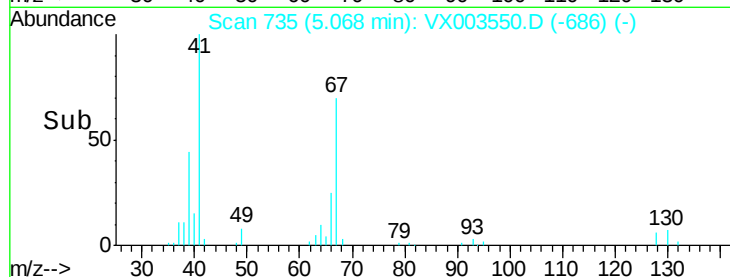
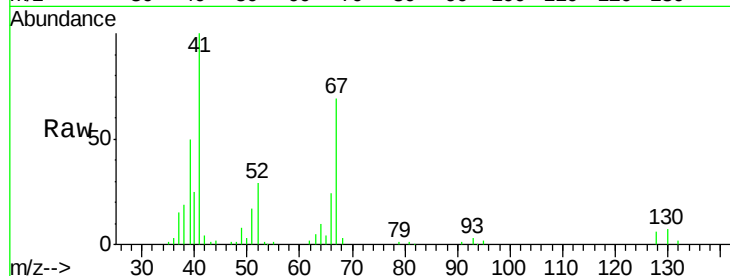
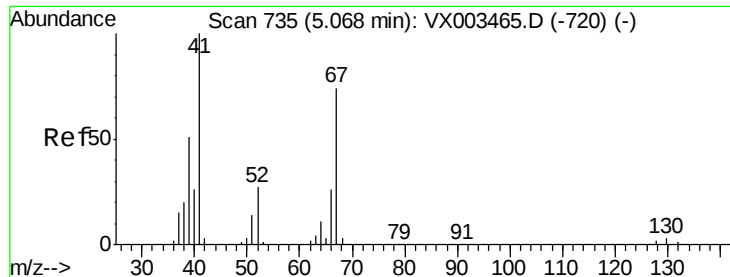
Tot Ion: 83 Resp: 103130
Ion Ratio Lower Upper
83 100
55 75.3 65.4 98.0
98 46.3 37.4 56.0



#40
Benzene
Concen: 20.75 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

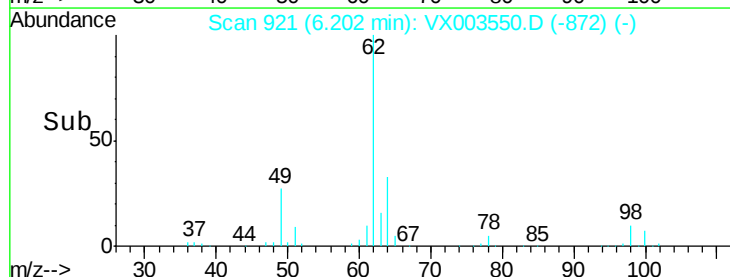
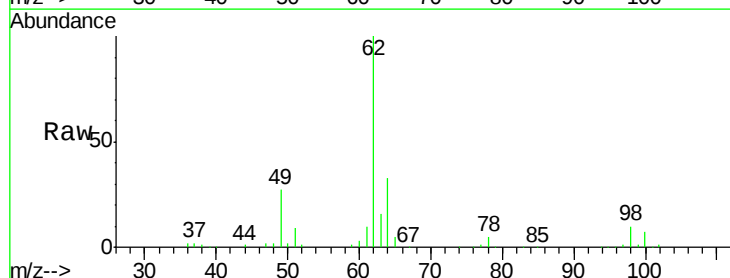
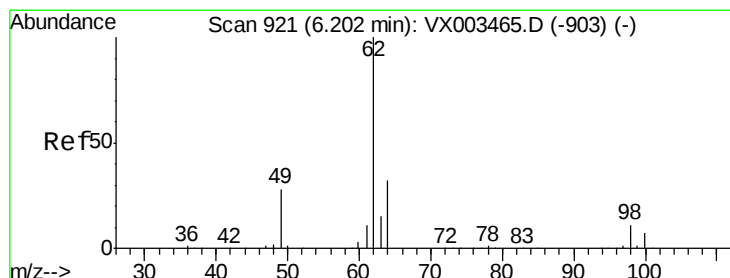
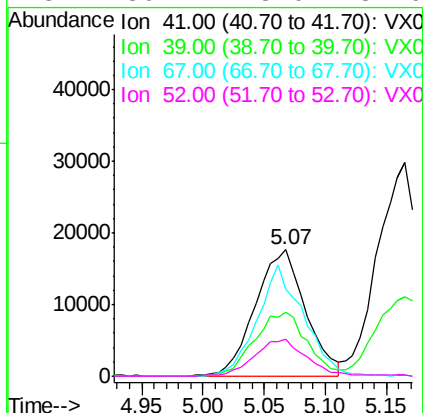
Tgt Ion: 78 Resp: 276567
Ion Ratio Lower Upper
78 100
77 22.9 19.1 28.7





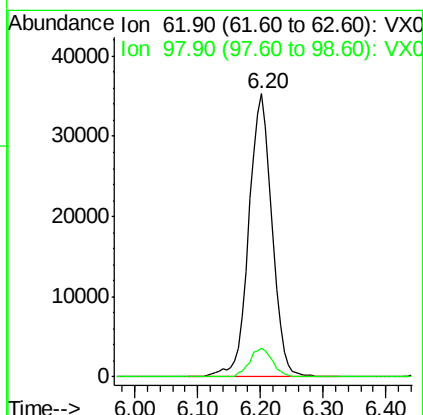
#41
Methacrylonitrile
Concen: 20.61 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

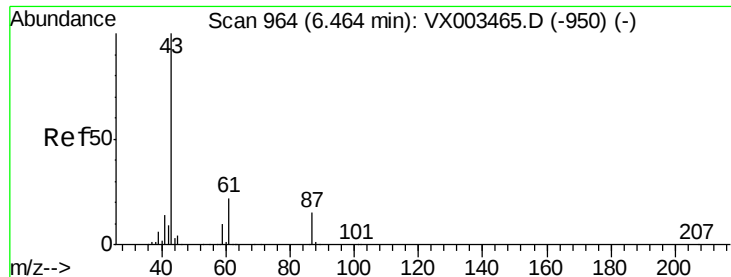
Tot Ion: 41 Resp: 50613
Ion Ratio Lower Upper
41 100
39 53.7 45.8 68.6
67 80.7 51.3 76.9#
52 30.4 23.0 34.6



#42
1,2-Dichloroethane
Concen: 21.49 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 62 Resp: 90270
Ion Ratio Lower Upper
62 100
98 10.1 0.0 16.6



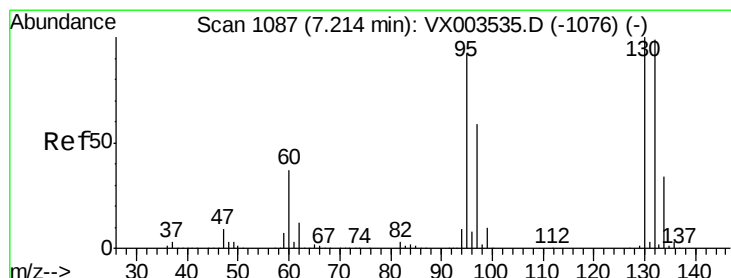
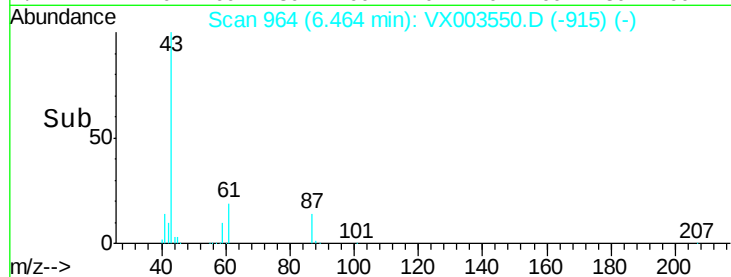
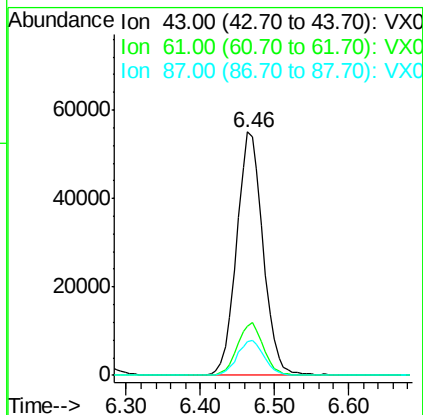
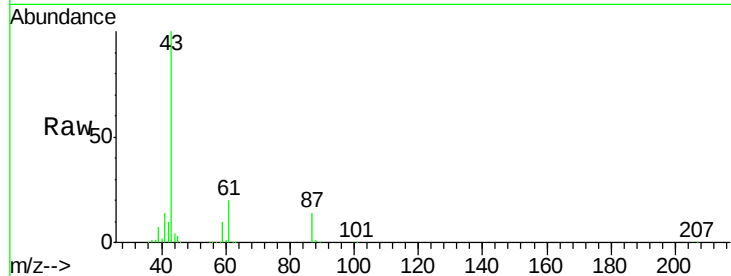


#43

Isopropyl Acetate
 Concen: 20.52 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

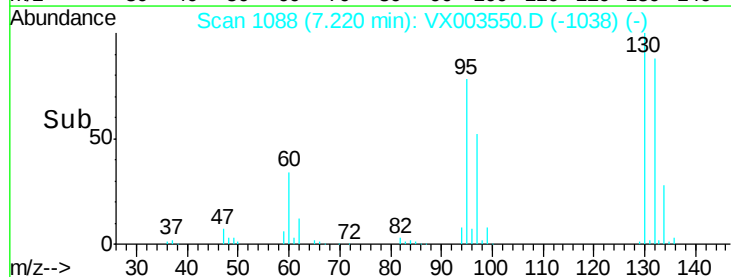
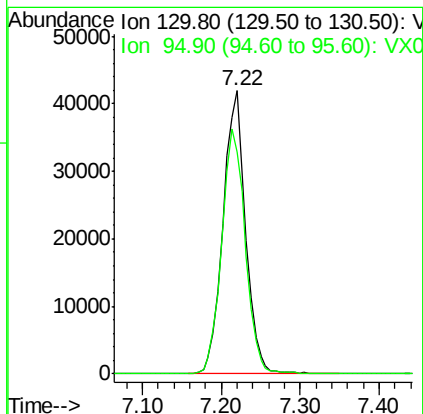
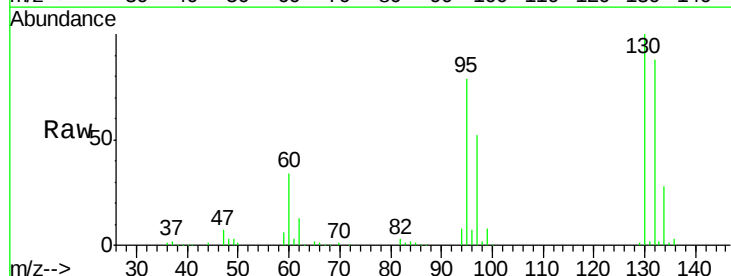
Tot Ion: 43 Resp: 136346
 Ion Ratio Lower Upper
 43 100
 61 21.4 14.4 21.6
 87 14.6 9.5 14.3#

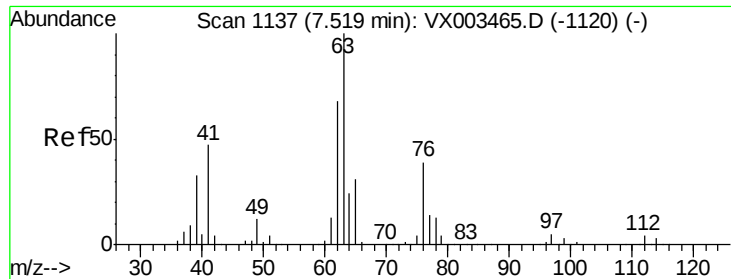


#44

Trichloroethene
 Concen: 21.02 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion:130 Resp: 83573
 Ion Ratio Lower Upper
 130 100
 95 78.5 0.0 185.4





#45

1,2-Dichloropropane

Concen: 20.89 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

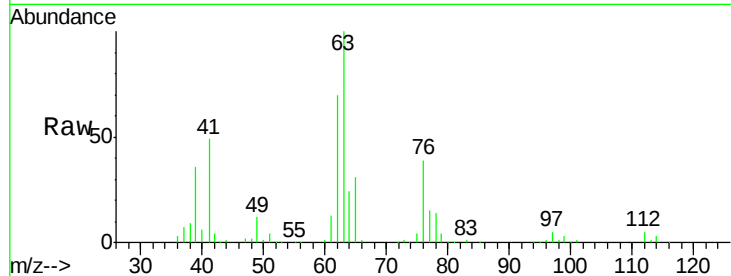
VX0721MBS02

Tot Ion: 63 Resp: 70708

Ion Ratio Lower Upper

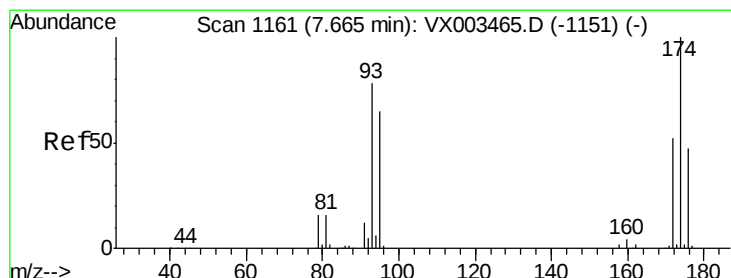
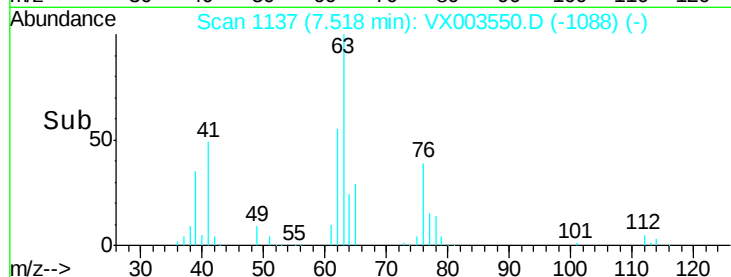
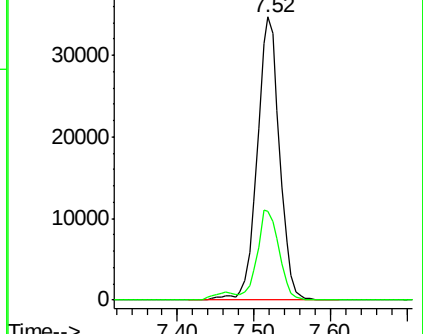
63 100

65 31.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.16 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

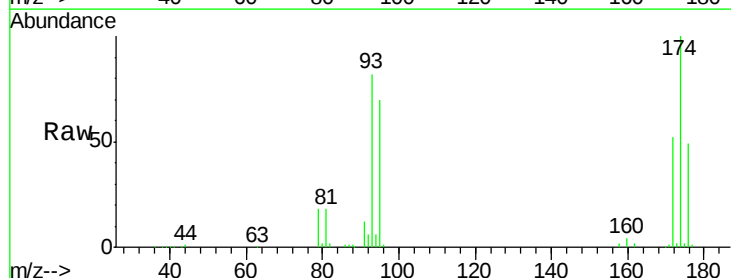
Tgt Ion: 93 Resp: 46114

Ion Ratio Lower Upper

93 100

95 82.7 65.9 98.9

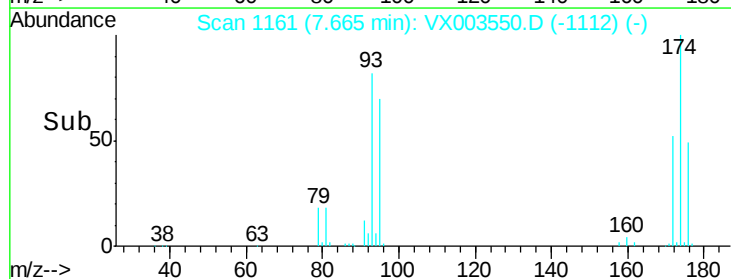
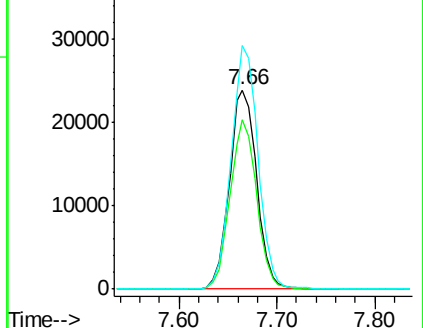
174 120.1 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.58 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

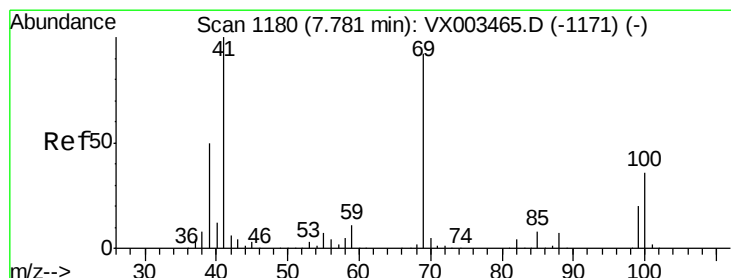
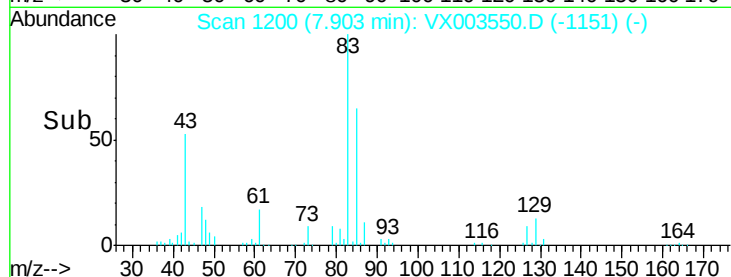
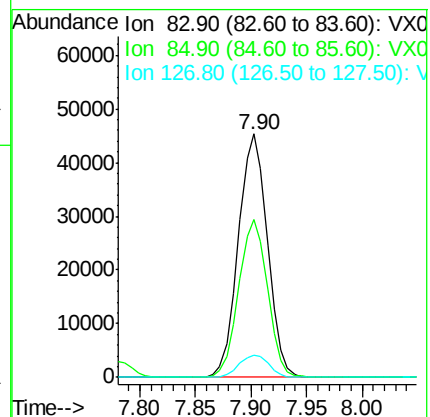
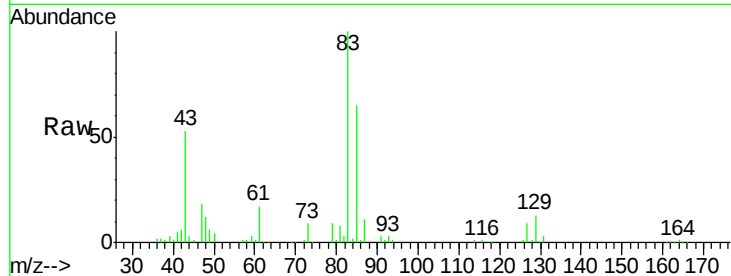
Tot Ion: 83 Resp: 82091

Ion Ratio Lower Upper

83 100

85 64.7 50.3 75.5

127 9.0 7.0 10.4



#48

Methyl methacrylate

Concen: 20.86 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

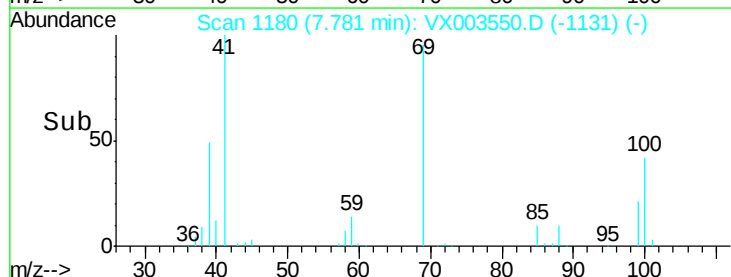
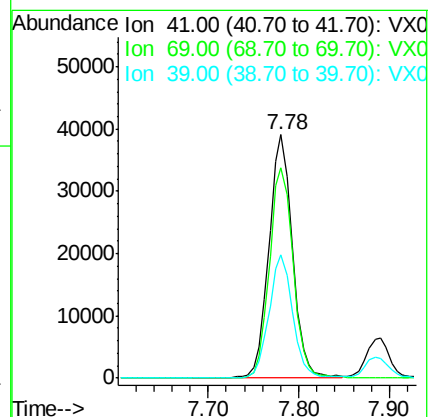
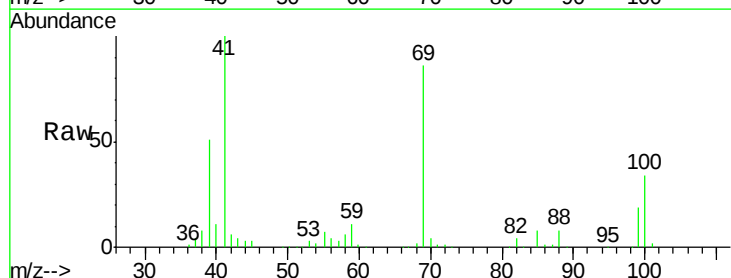
Tgt Ion: 41 Resp: 69904

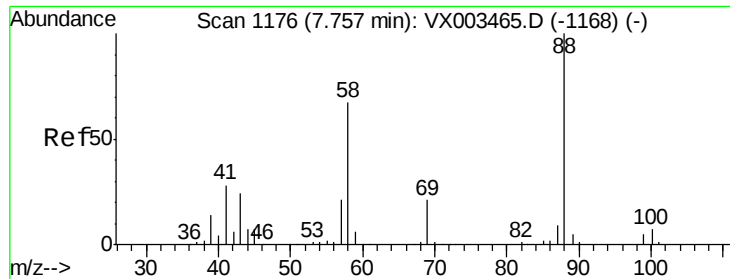
Ion Ratio Lower Upper

41 100

69 88.0 59.1 88.7

39 50.6 48.9 73.3

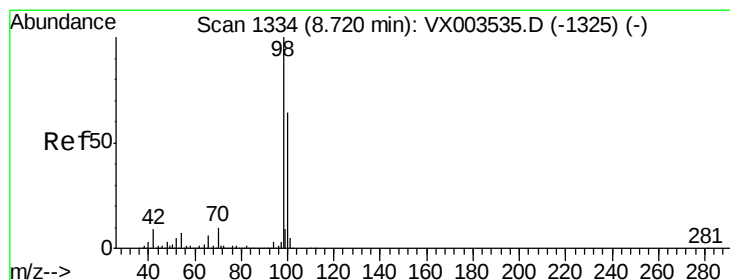
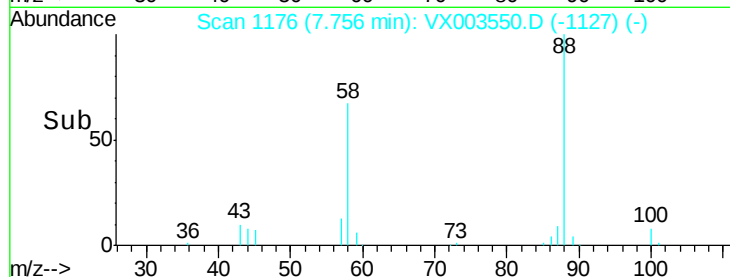
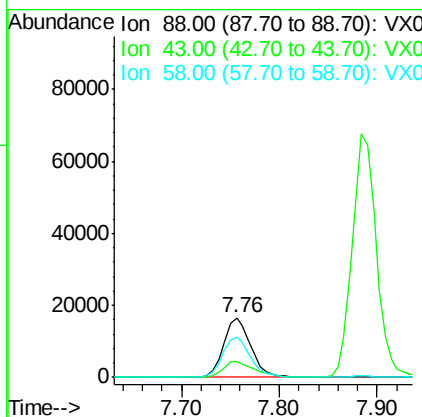
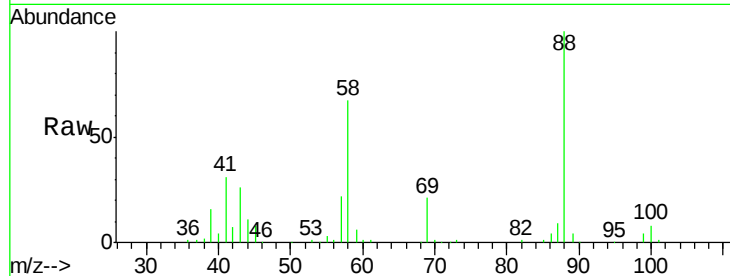




#49
 1,4-Dioxane
 Concen: 414.73 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

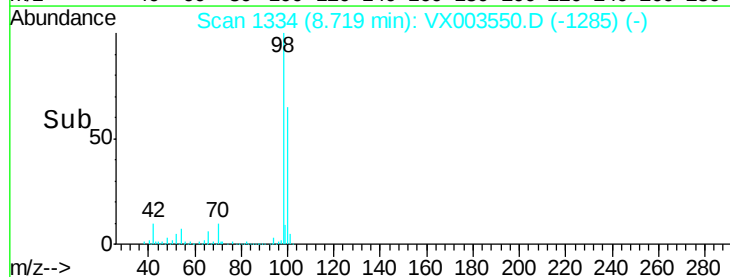
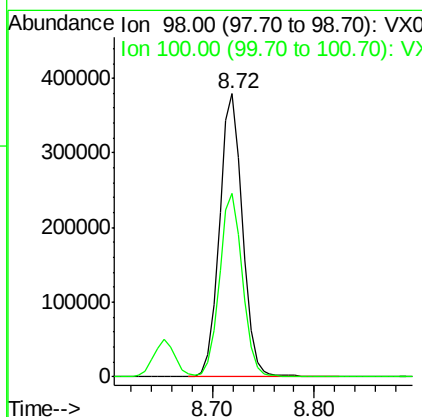
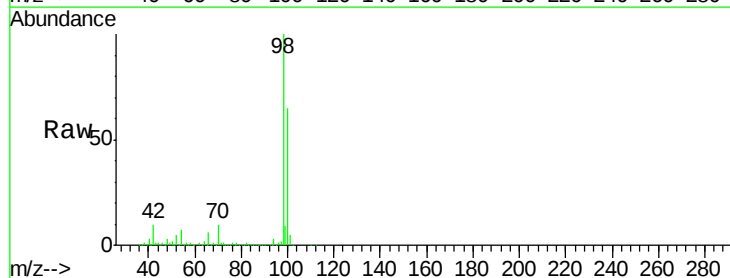
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

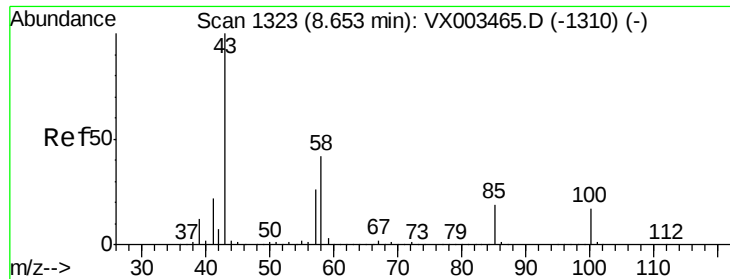
Tot Ion: 88 Resp: 31494
 Ion Ratio Lower Upper
 88 100
 43 29.6 29.8 44.6#
 58 70.2 57.1 85.7



#50
 Toluene-d8
 Concen: 50.99 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 98 Resp: 596927
 Ion Ratio Lower Upper
 98 100
 100 65.2 50.9 76.3

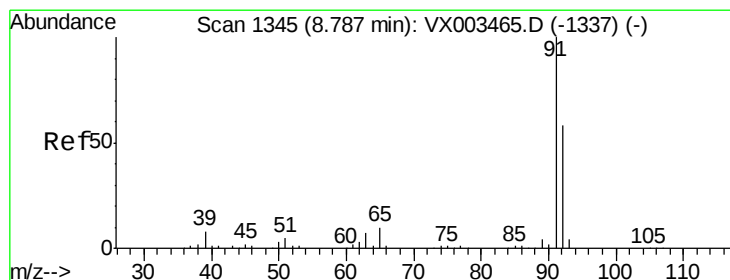
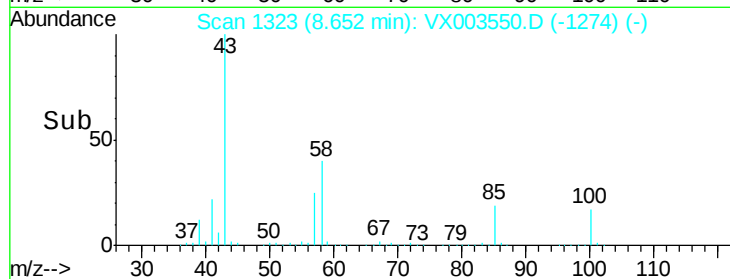
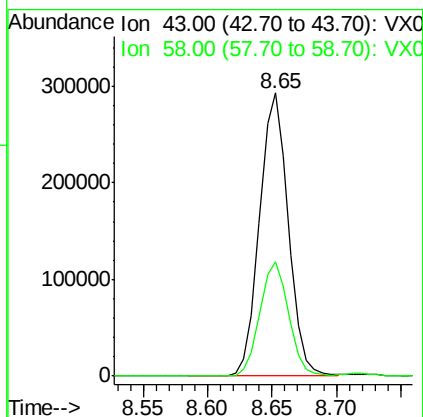
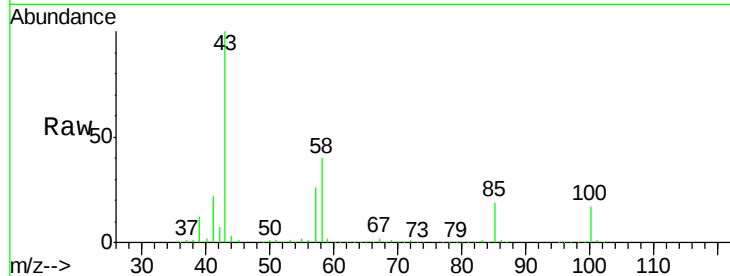




#51
4-Methyl-2-Pentanone
Concen: 107.46 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

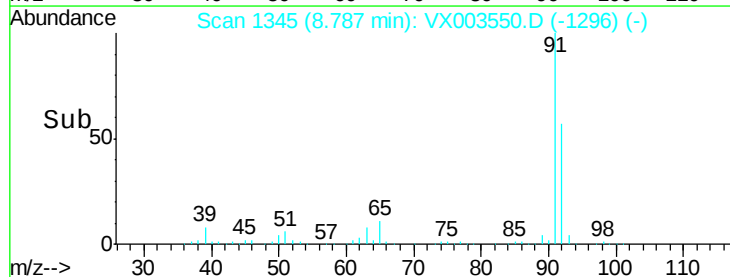
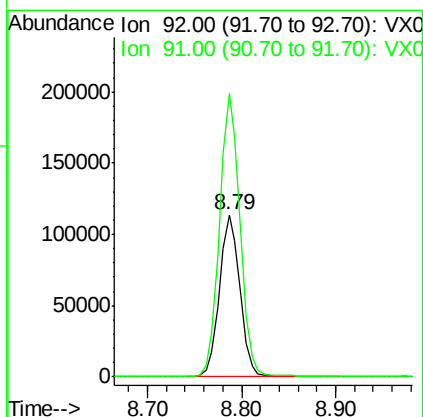
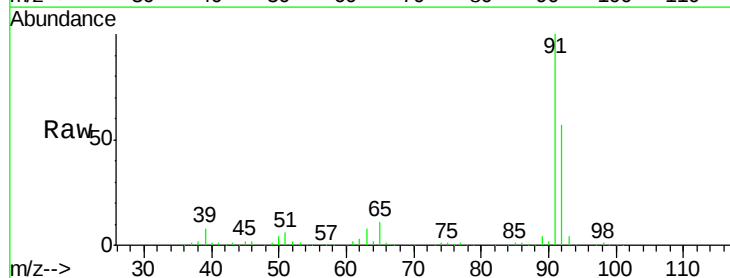
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tot Ion: 43 Resp: 451174
Ion Ratio Lower Upper
43 100
58 40.3 28.6 42.8



#52
Toluene
Concen: 20.49 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 92 Resp: 171892
Ion Ratio Lower Upper
92 100
91 175.3 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 21.04 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

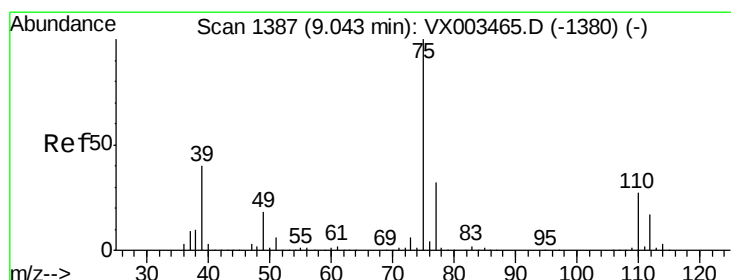
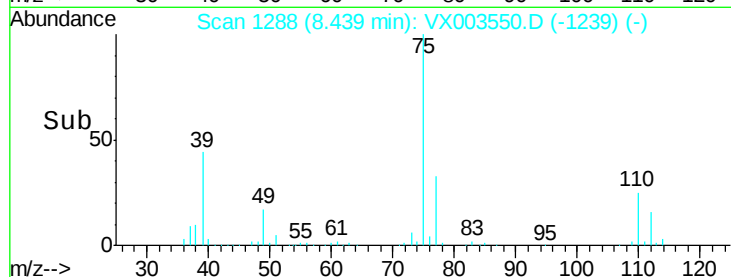
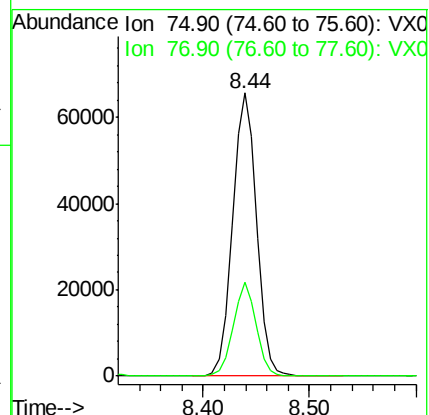
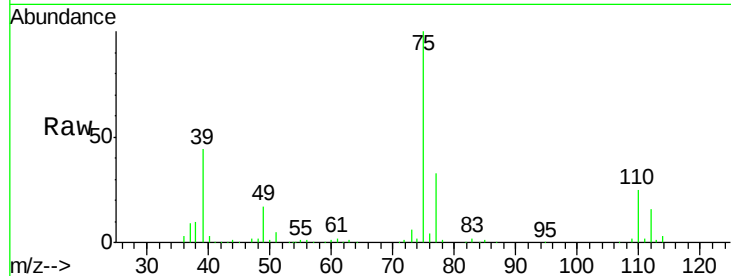
VX0721MBS02

Tot Ion: 75 Resp: 103325

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.73 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

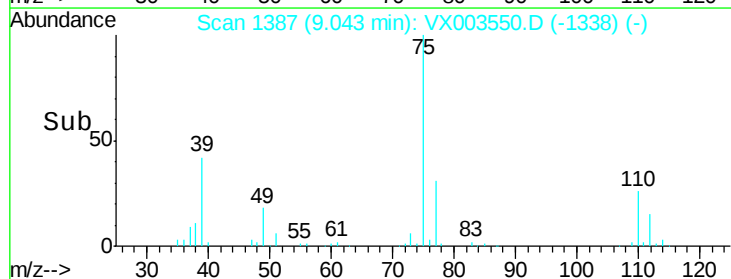
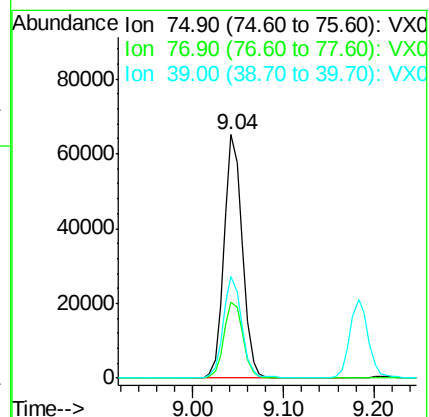
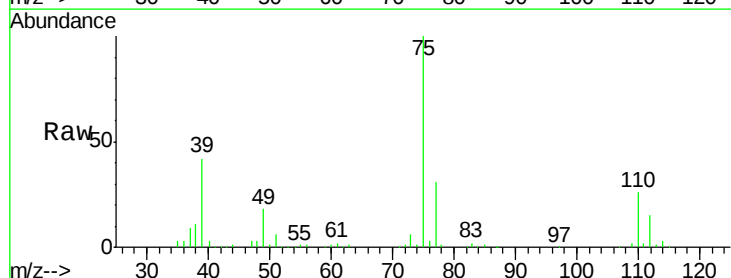
Tgt Ion: 75 Resp: 91535

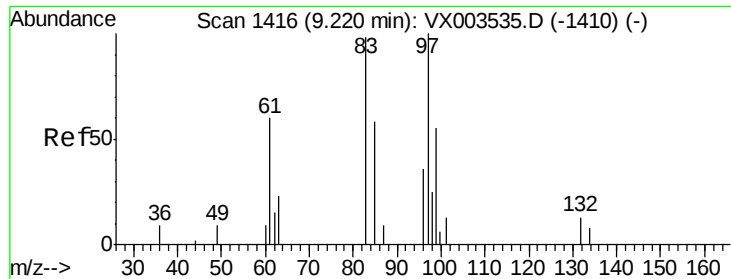
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 41.8 42.4 63.6#

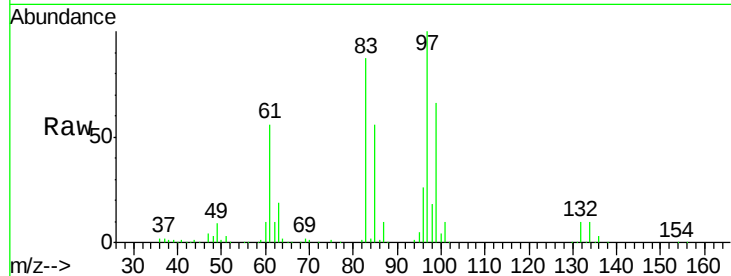




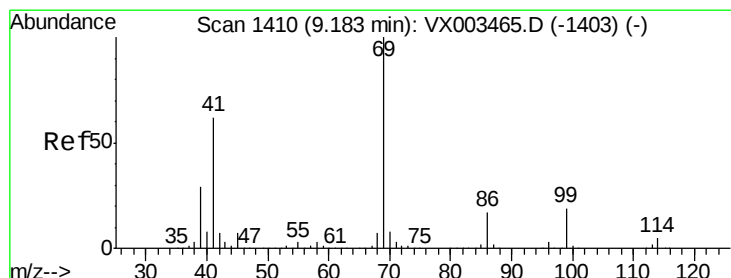
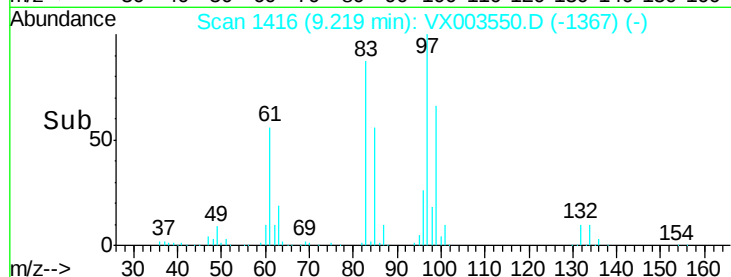
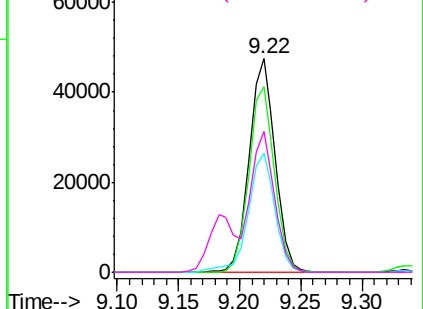
#55
1,1,2-Trichloroethane
Concen: 20.93 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tot Ion: 97 Resp: 69888
Ion Ratio Lower Upper
97 100
83 87.0 70.2 105.2
85 55.7 44.9 67.3
99 65.6 49.8 74.8

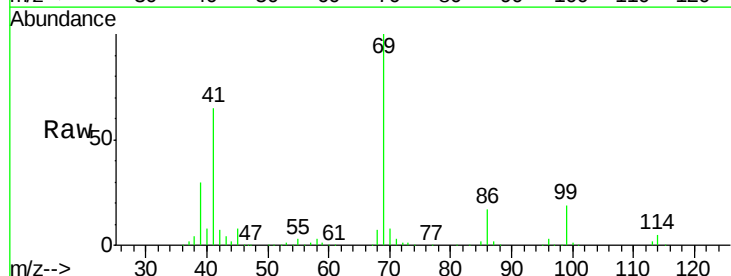


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

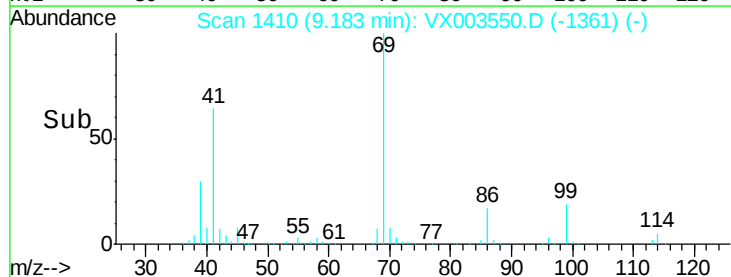
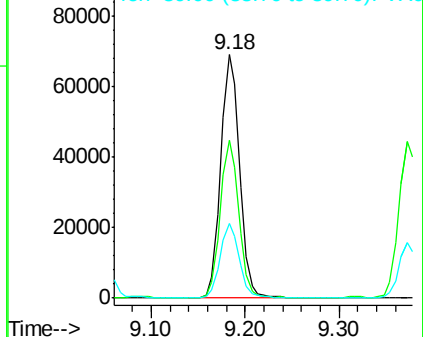


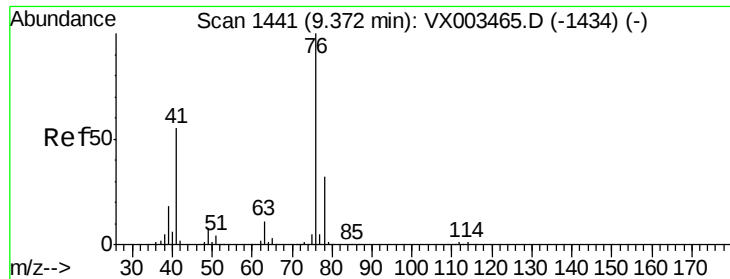
#56
Ethyl methacrylate
Concen: 20.41 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 69 Resp: 95984
Ion Ratio Lower Upper
69 100
41 63.6 60.3 90.5
39 31.2 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

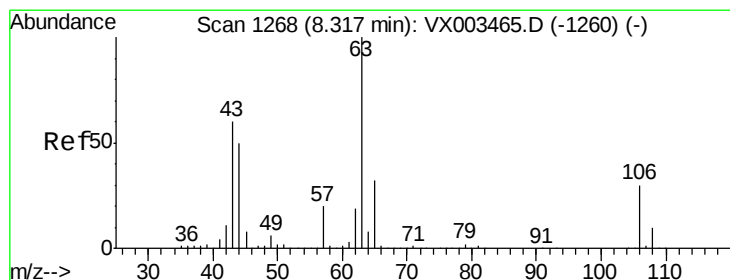
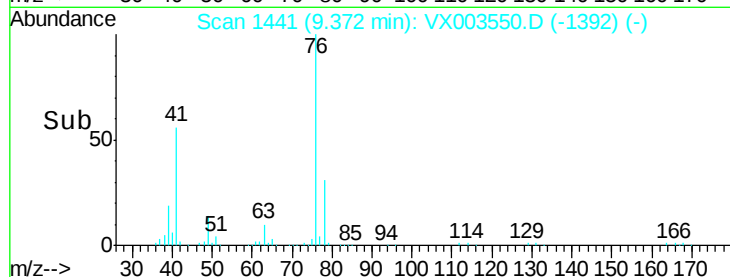
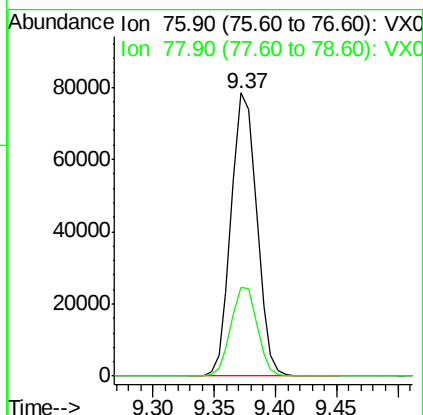
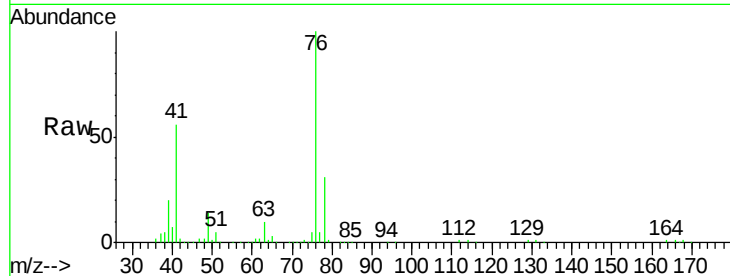




#57
 1,3-Dichloropropane
 Concen: 21.14 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

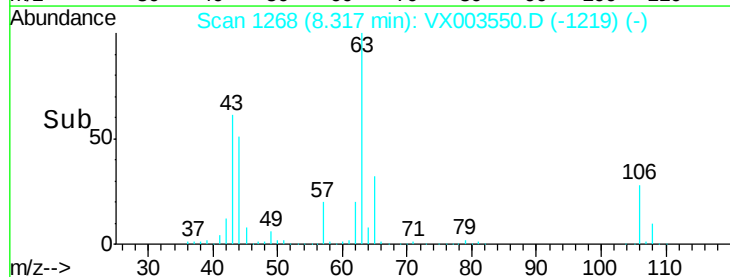
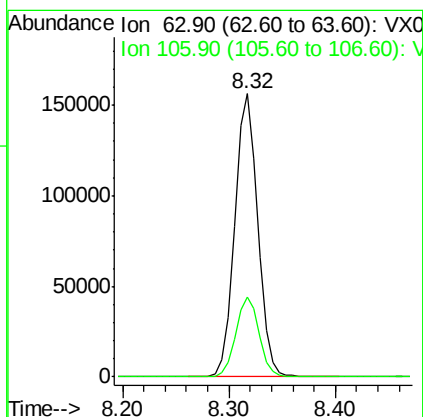
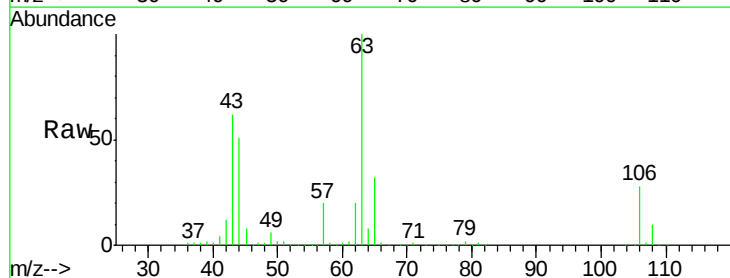
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

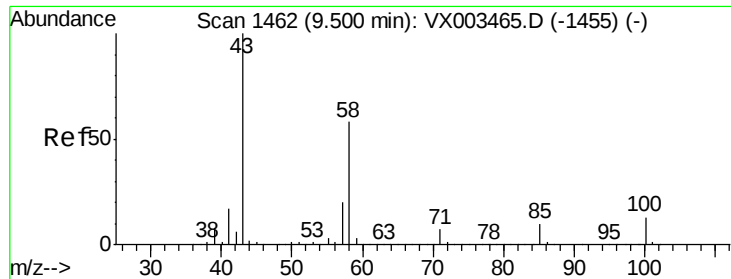
Tot Ion: 76 Resp: 114084
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.80 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 63 Resp: 237360
 Ion Ratio Lower Upper
 63 100
 106 28.4 21.8 32.8

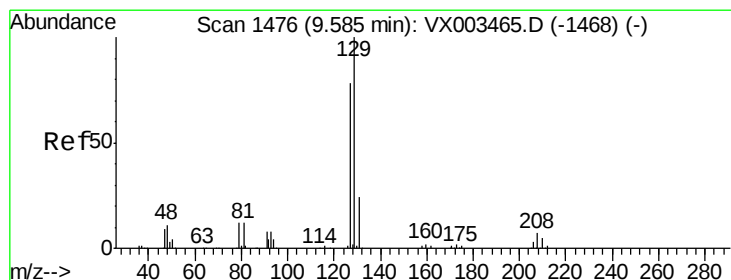
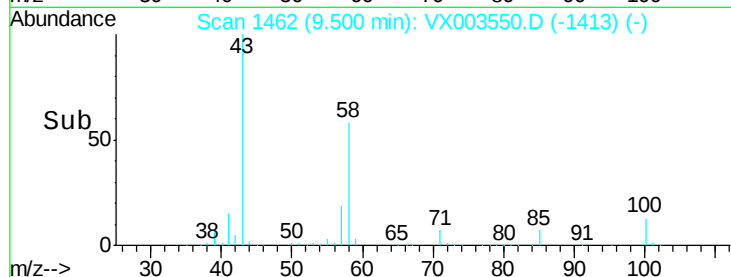
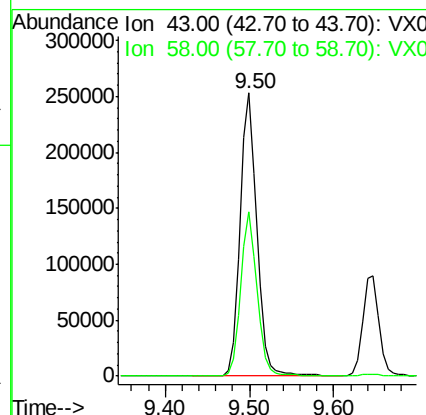
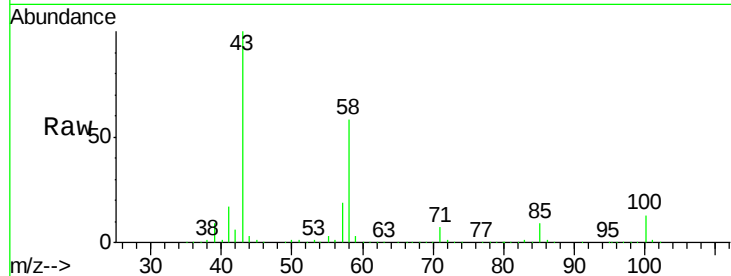




#59
 2-Hexanone
 Concen: 109.29 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

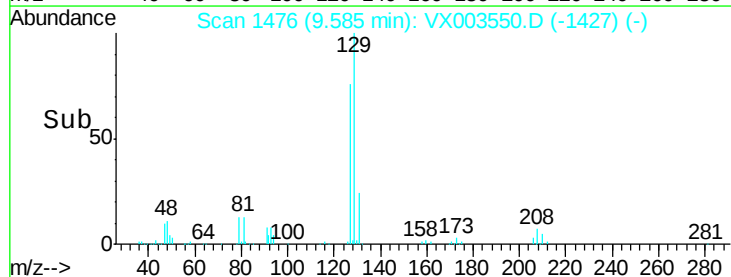
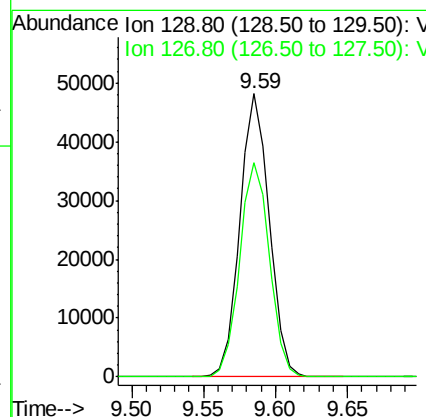
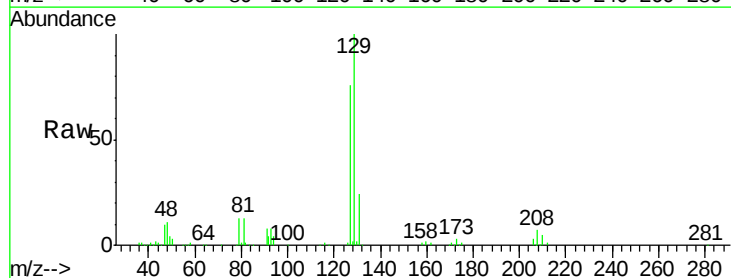
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

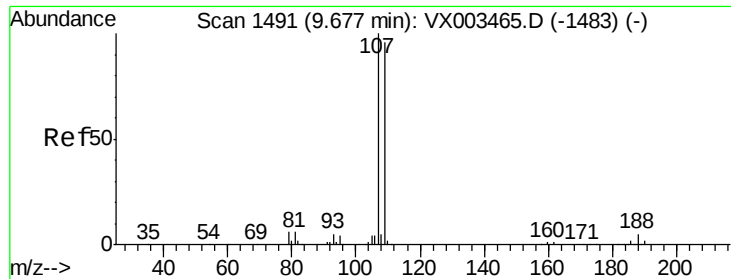
Tot Ion: 43 Resp: 339972
 Ion Ratio Lower Upper
 43 100
 58 56.6 24.6 73.6



#60
 Dibromochloromethane
 Concen: 20.72 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 129 Resp: 68467
 Ion Ratio Lower Upper
 129 100
 127 76.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.93 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

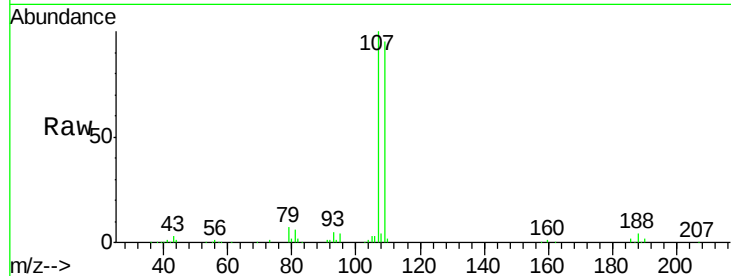
VX0721MBS02

Tot Ion:107 Resp: 72446

Ion Ratio Lower Upper

107 100

109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

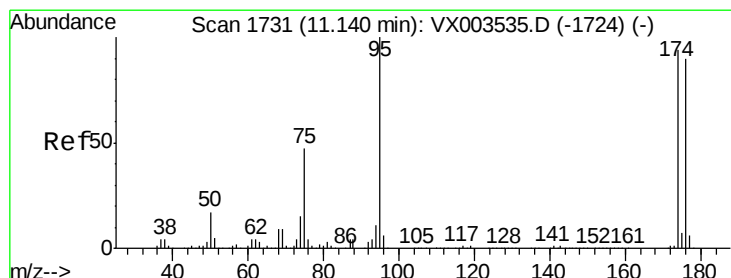
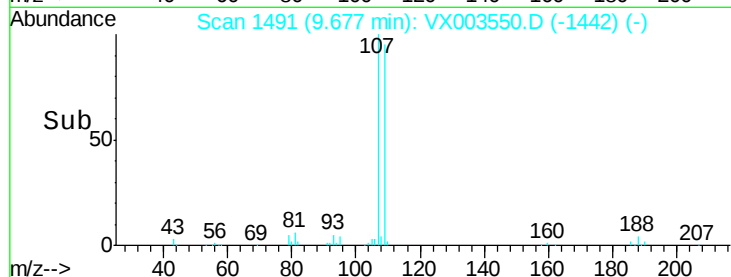
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 50.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

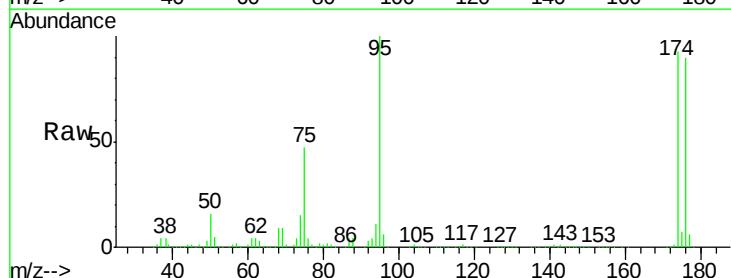
Tgt Ion: 95 Resp: 216897

Ion Ratio Lower Upper

95 100

174 94.7 0.0 187.4

176 92.0 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

200000

150000

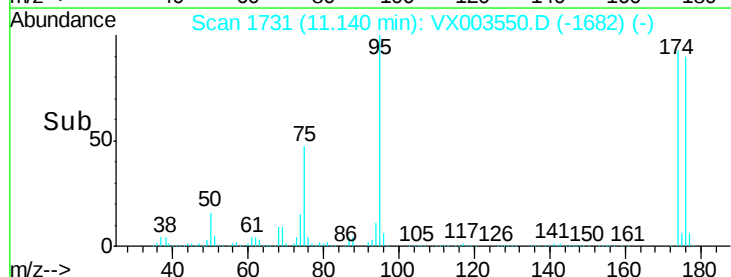
100000

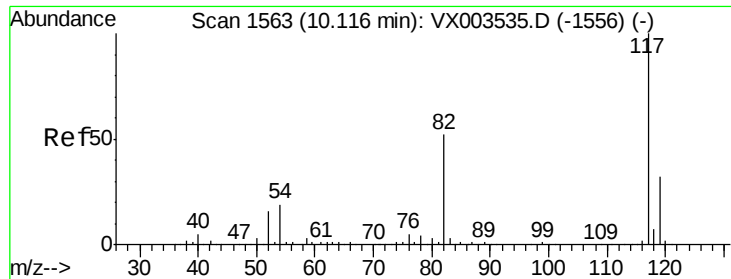
50000

0

11.10 11.20

Time-->

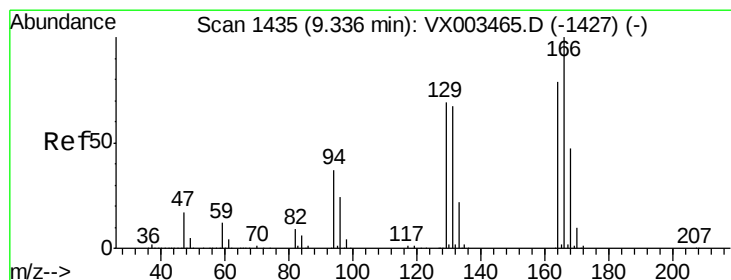
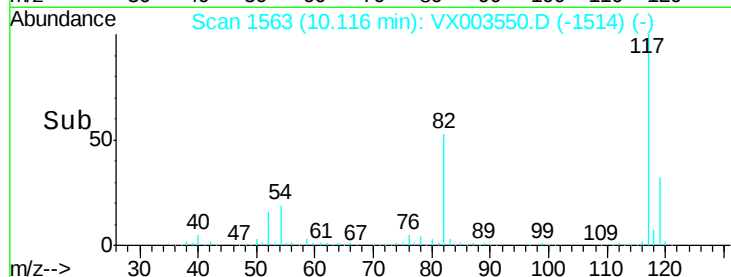
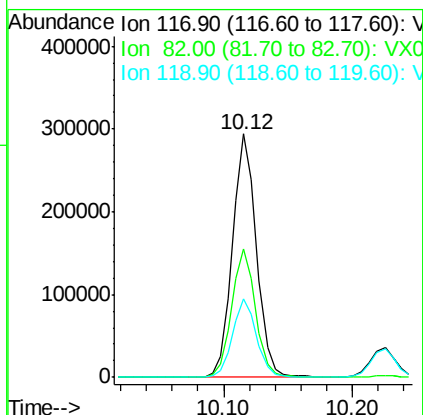
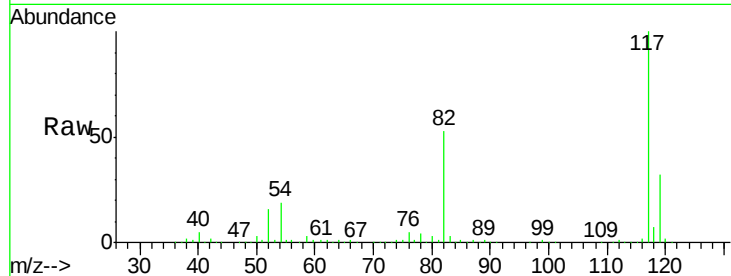




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

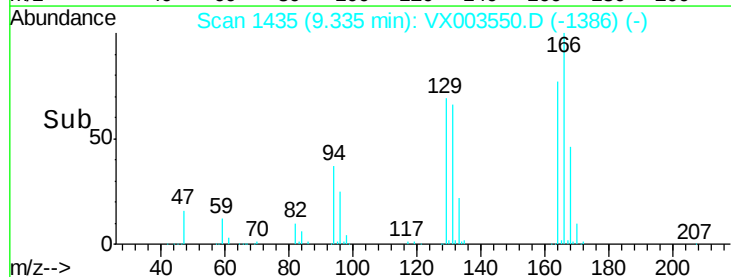
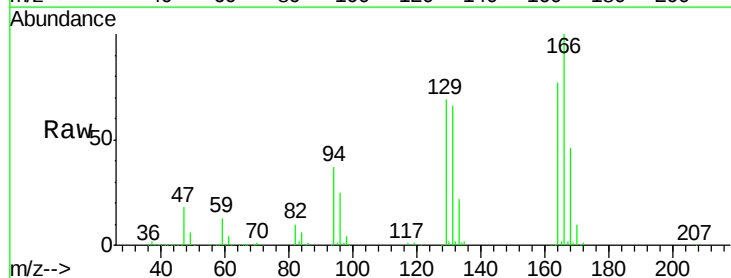
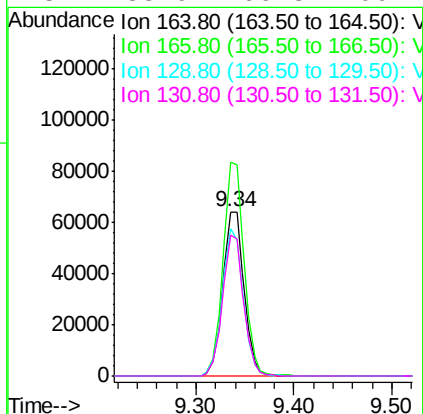
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

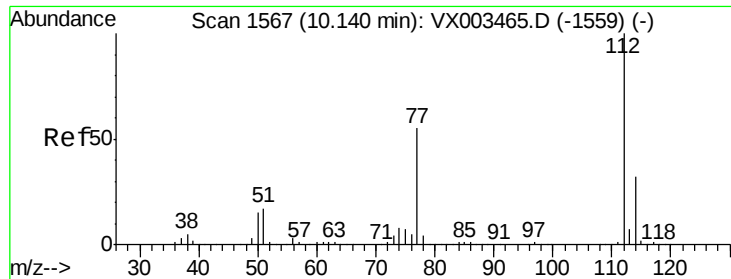
Tot Ion:117 Resp: 383016
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 20.71 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion:164 Resp: 96640
Ion Ratio Lower Upper
164 100
166 130.0 102.9 154.3
129 89.4 68.6 102.8
131 85.9 66.8 100.2

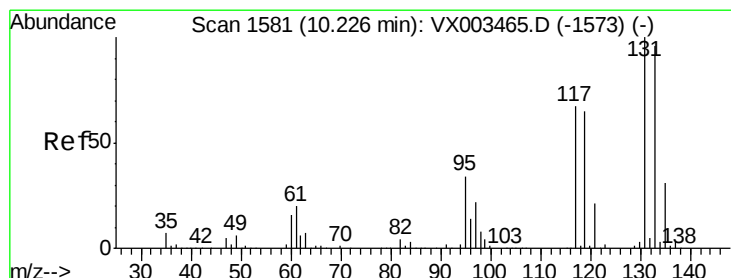
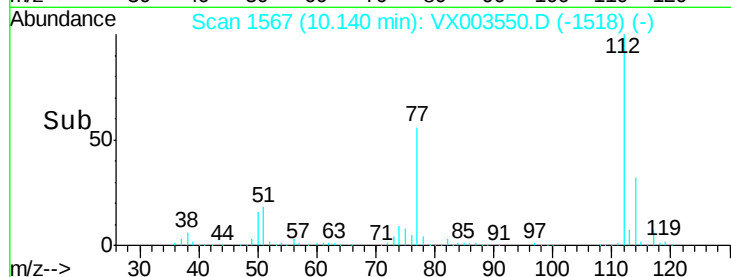
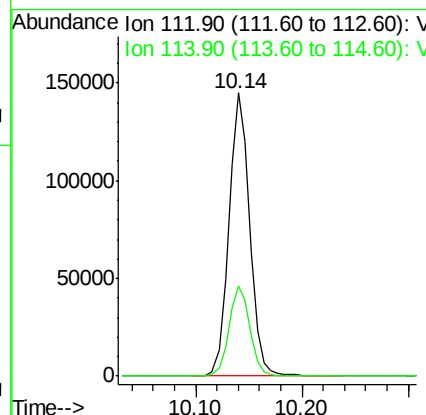
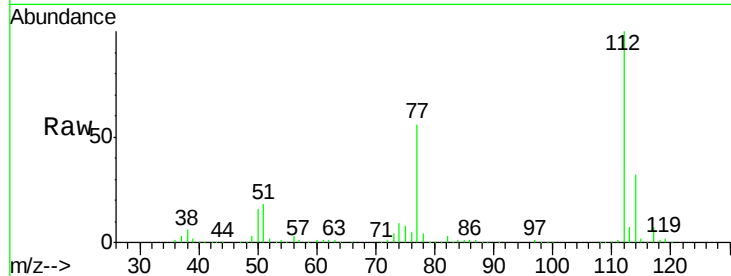




#65
Chlorobenzene
Concen: 20.04 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

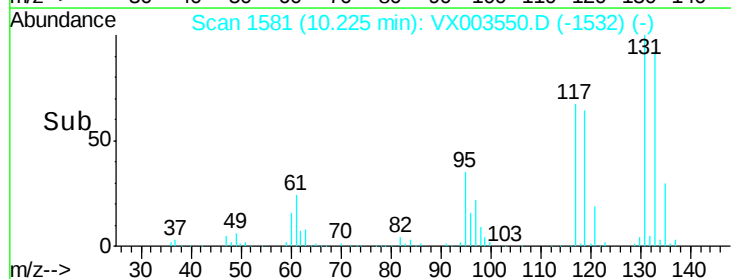
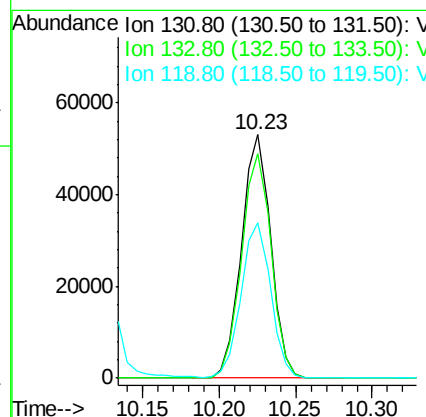
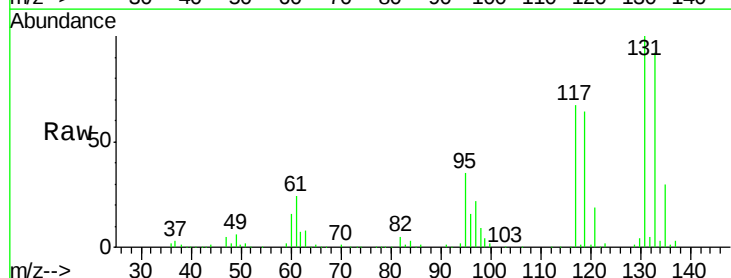
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

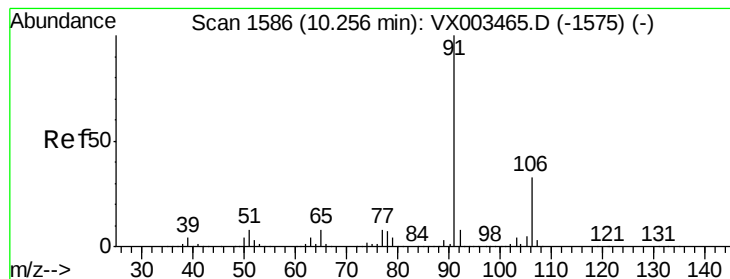
Tot Ion:112 Resp: 197723
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.72 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion:131 Resp: 70349
Ion Ratio Lower Upper
131 100
133 93.3 47.9 143.6
119 64.5 31.8 95.3





#67

Ethyl Benzene

Concen: 20.21 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

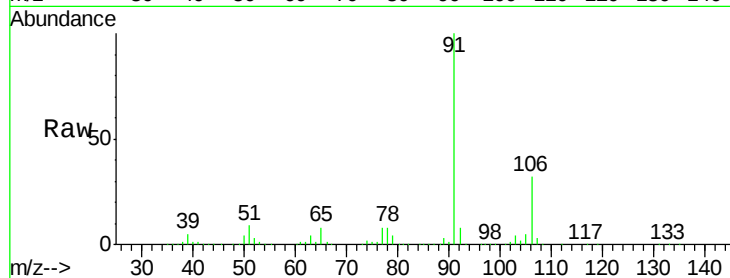
VX0721MBS02

Tot Ion: 91 Resp: 320712

Ion Ratio Lower Upper

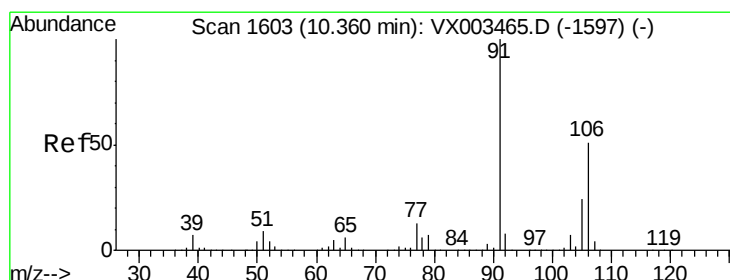
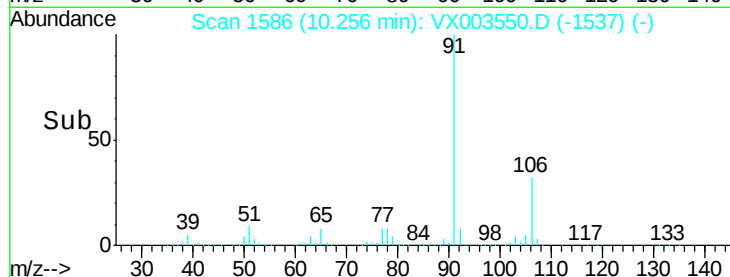
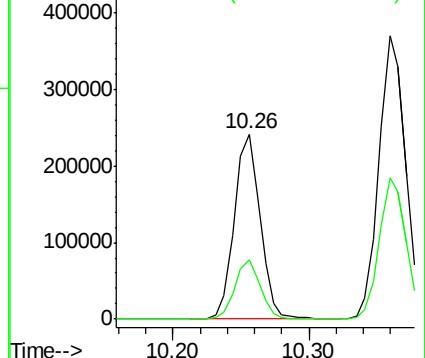
91 100

106 32.3 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.91 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003550.D

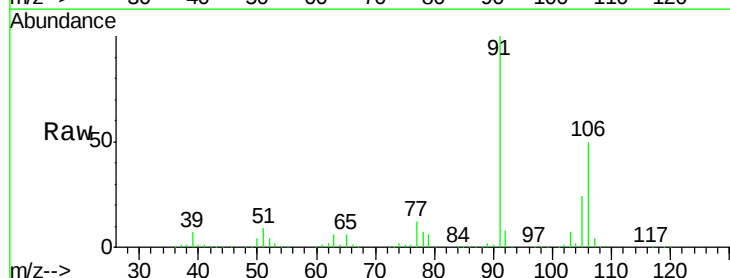
Acq: 21 Jul 2018 13:09

Tgt Ion: 106 Resp: 254494

Ion Ratio Lower Upper

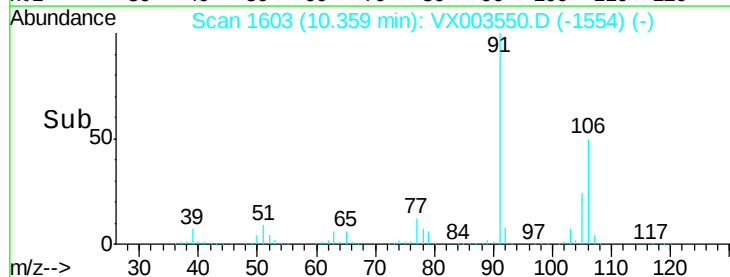
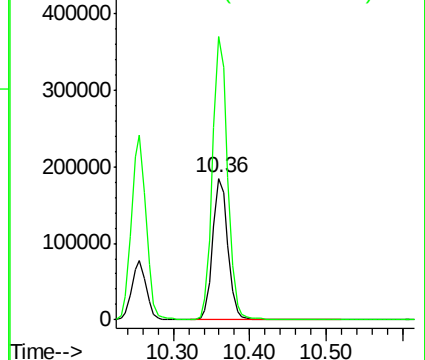
106 100

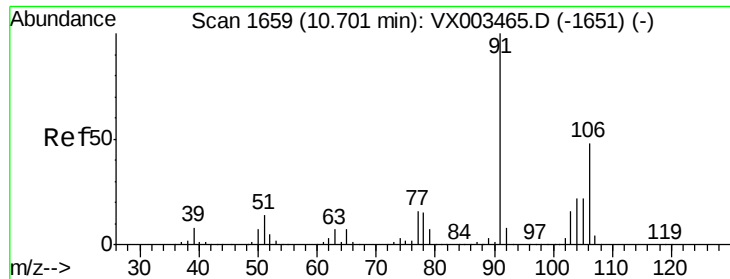
91 199.8 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

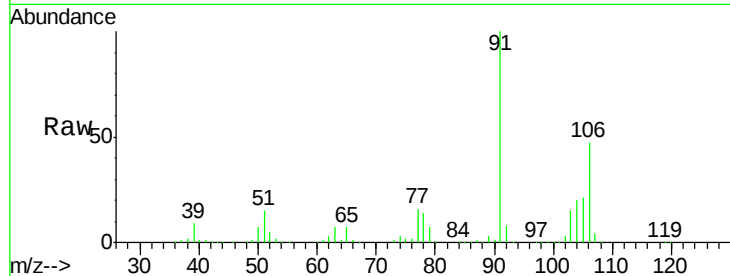




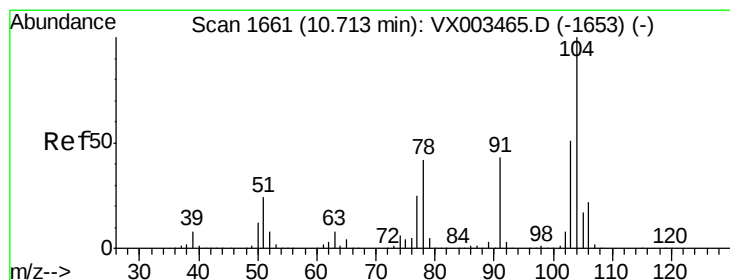
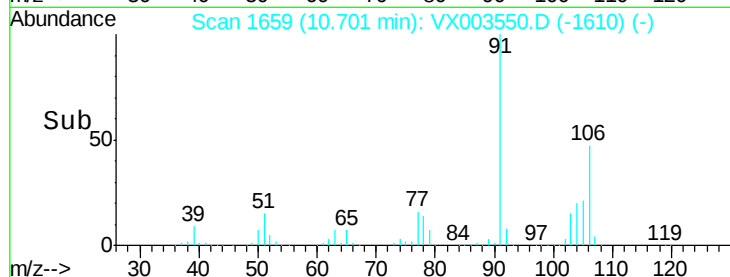
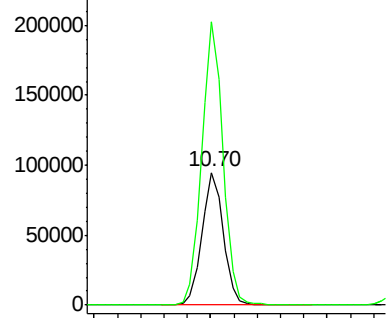
#69
o-Xylene
Concen: 20.22 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tot Ion:106 Resp: 121613
Ion Ratio Lower Upper
106 100
91 211.3 108.2 324.6

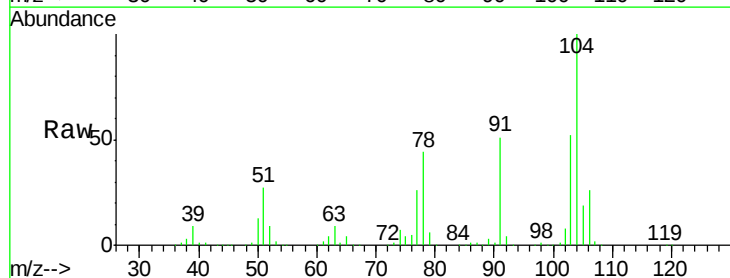


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

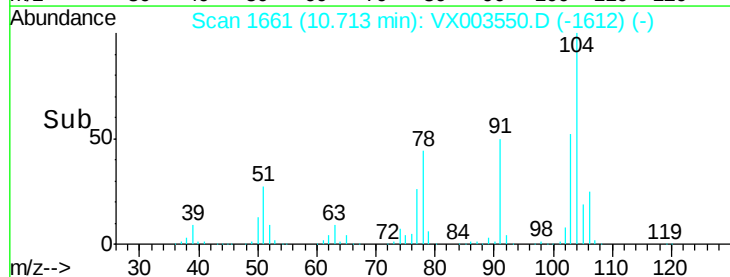
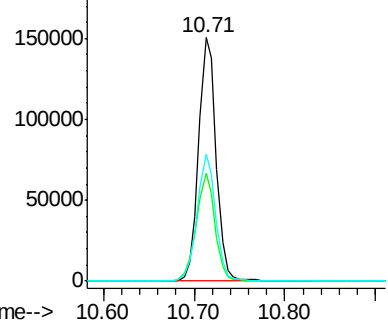


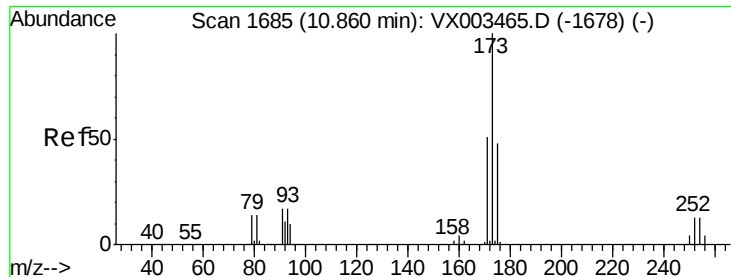
#70
Styrene
Concen: 20.46 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion:104 Resp: 202457
Ion Ratio Lower Upper
104 100
78 47.3 41.0 61.6
103 55.3 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: 19.58 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

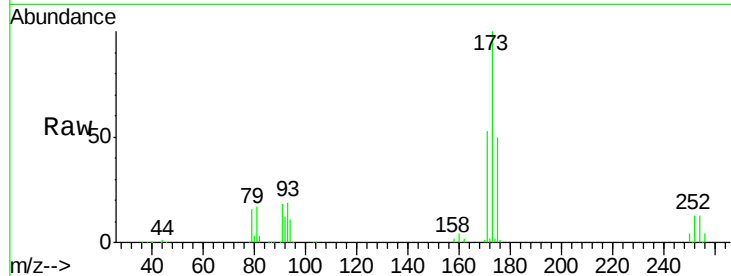
Tot Ion:173 Resp: 51649

Ion Ratio Lower Upper

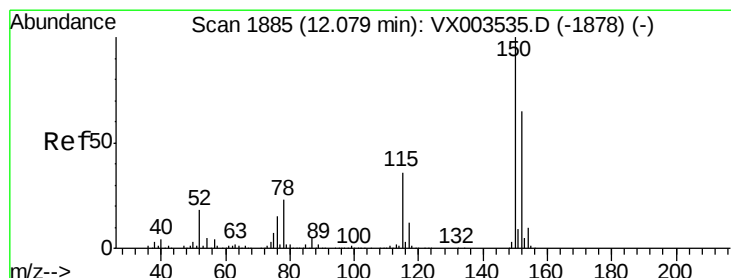
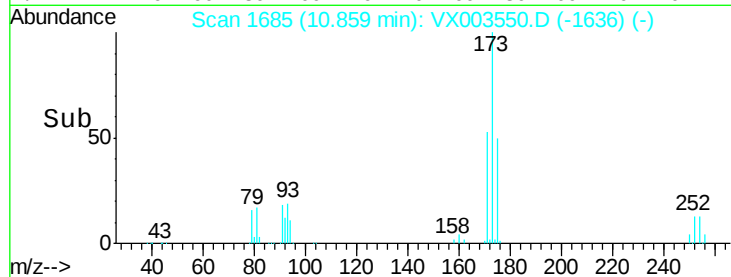
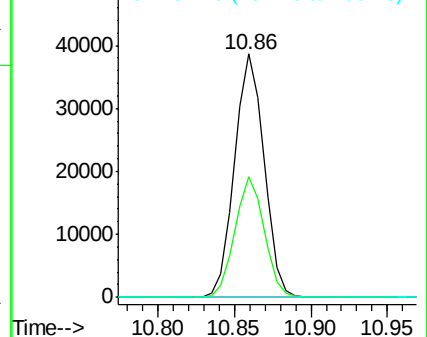
173 100

175 48.8 24.7 74.1

254 0.1 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: VX003550.D

Acq: 21 Jul 2018 13:09

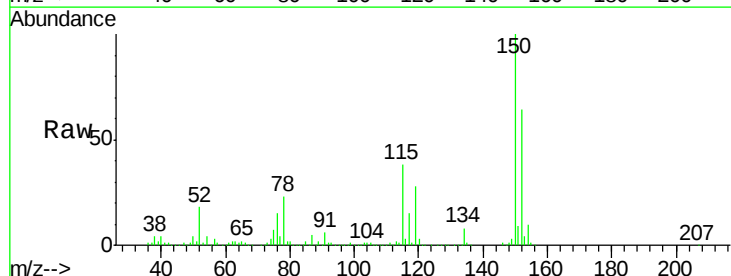
Tgt Ion:152 Resp: 228118

Ion Ratio Lower Upper

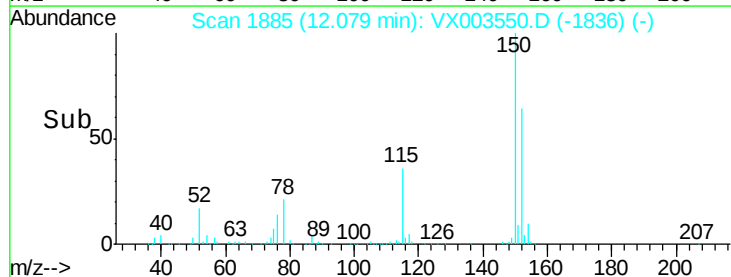
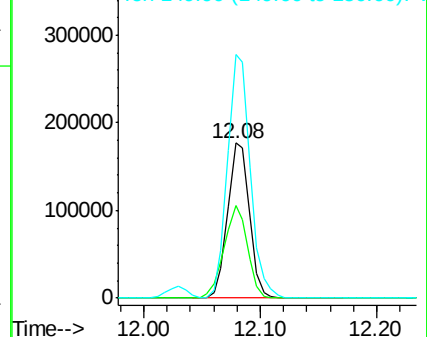
152 100

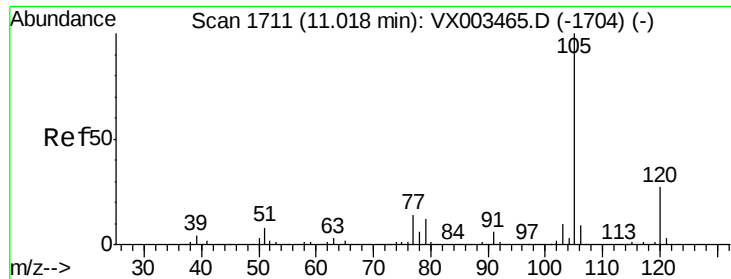
115 64.0 40.1 120.2

150 164.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.69 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampled :

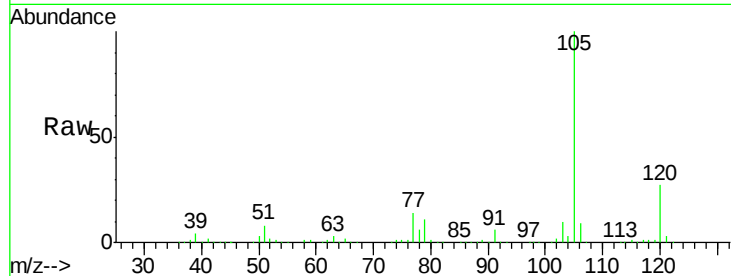
VX0721MBS02

Tot Ion:105 Resp: 326494

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

250000

200000

150000

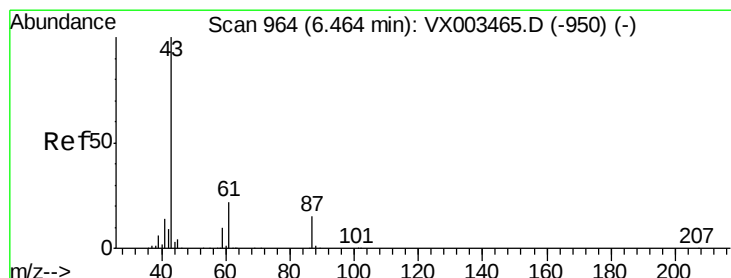
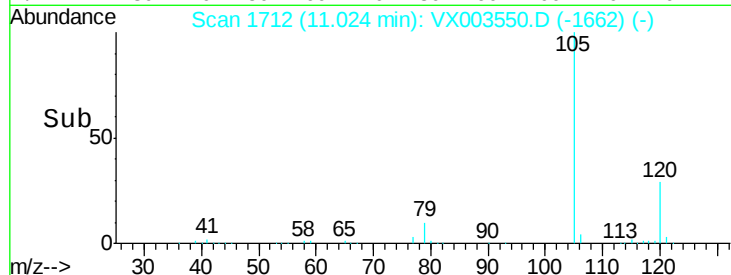
100000

50000

0

11.00 11.02 11.10

Time-->



#74

N-ethyl acetate

Concen: 20.35 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Tgt Ion: 43 Resp: 136346

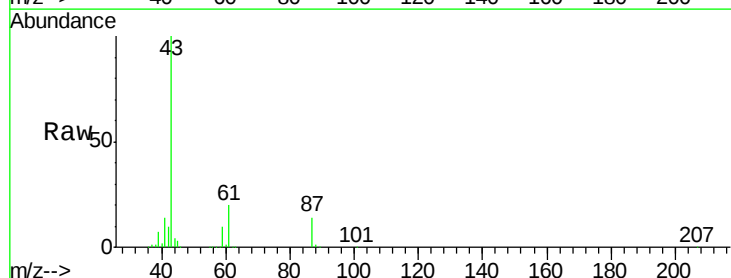
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.4 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

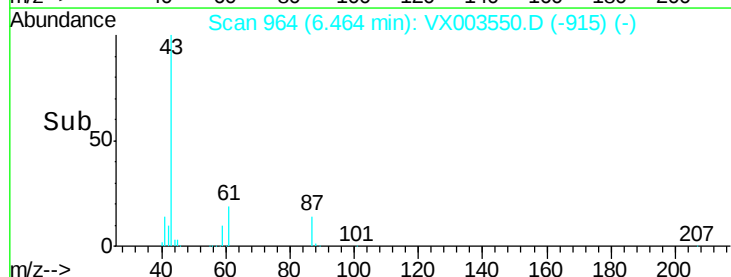
40000

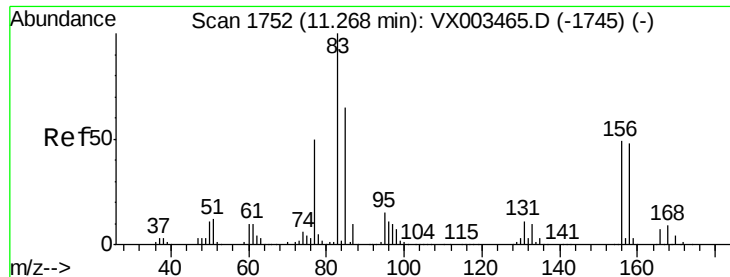
20000

0

6.30 6.40 6.50 6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.60 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

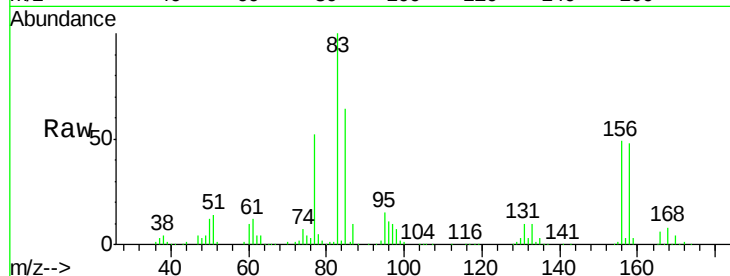
Tot Ion: 83 Resp: 95233

Ion Ratio Lower Upper

83 100

131 10.8 5.6 16.8

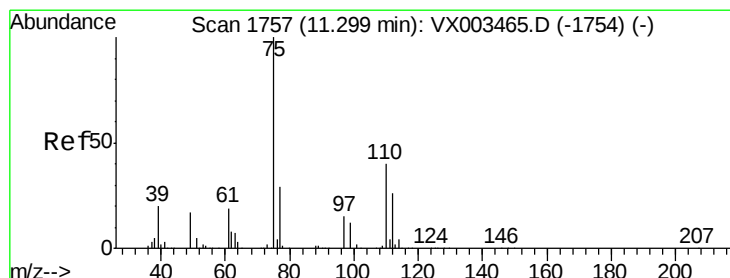
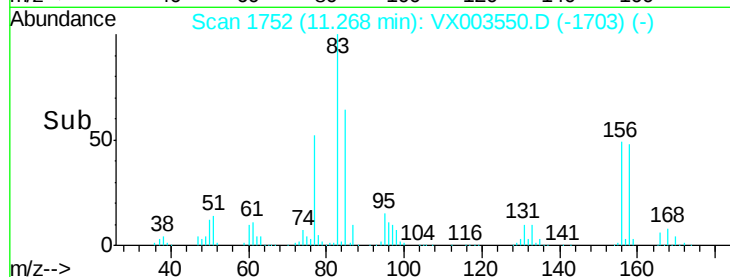
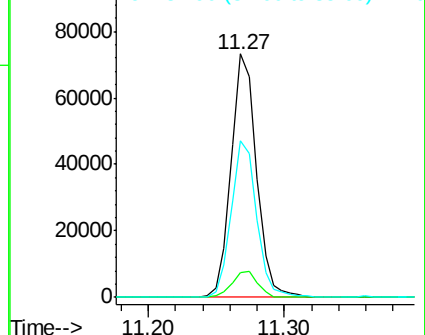
85 64.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.04 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003550.D

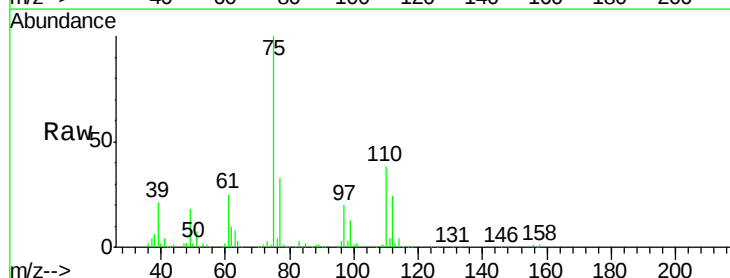
Acq: 21 Jul 2018 13:09

Tgt Ion: 75 Resp: 110812

Ion Ratio Lower Upper

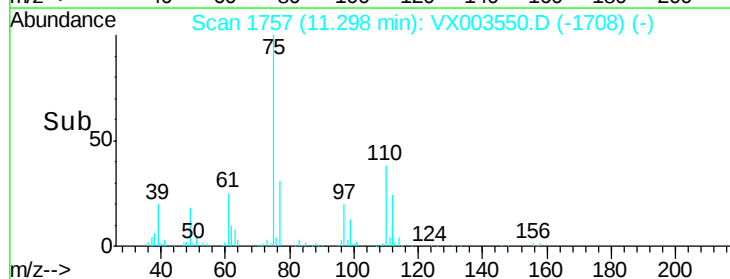
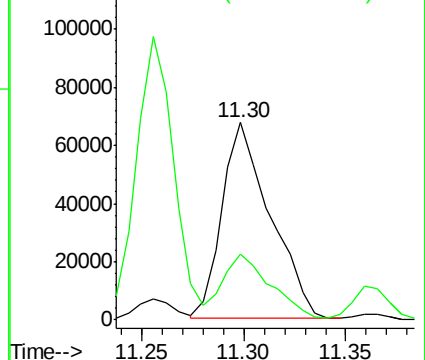
75 100

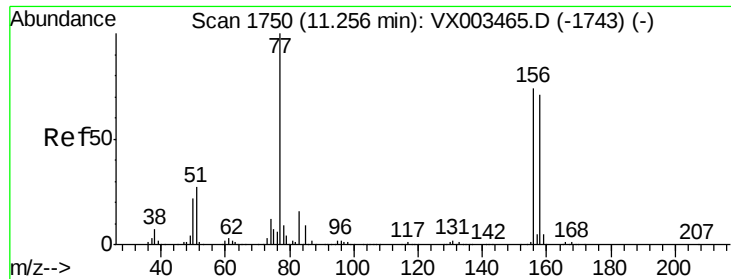
77 33.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.02 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

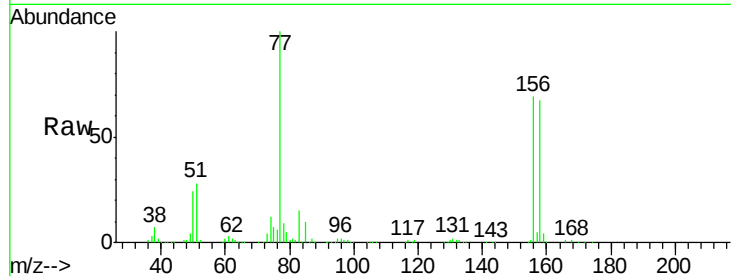
Tot Ion:156 Resp: 90854

Ion Ratio Lower Upper

156 100

77 137.2 71.4 214.2

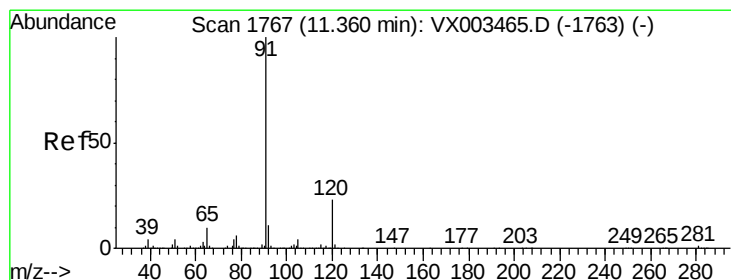
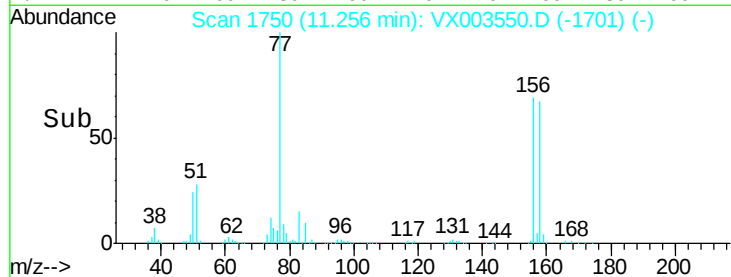
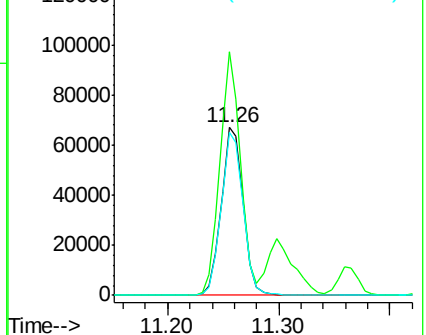
158 97.0 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.93 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003550.D

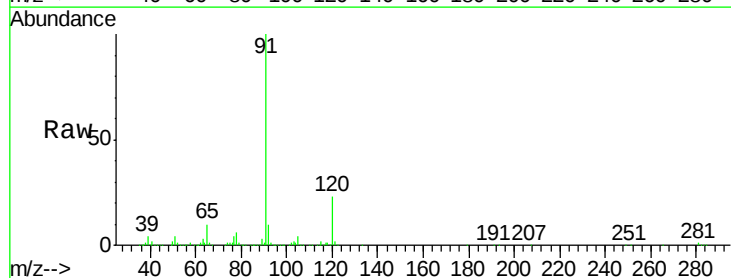
Acq: 21 Jul 2018 13:09

Tgt Ion: 91 Resp: 367104

Ion Ratio Lower Upper

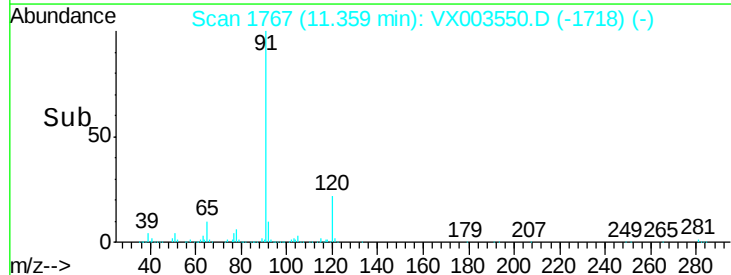
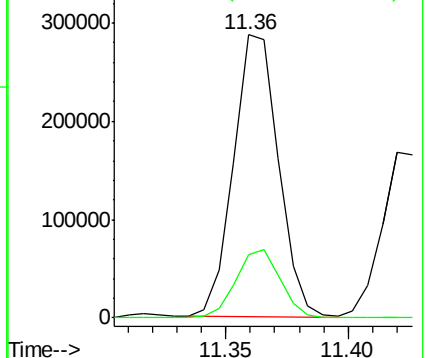
91 100

120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

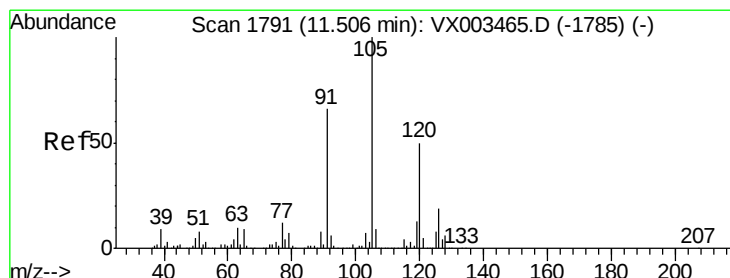
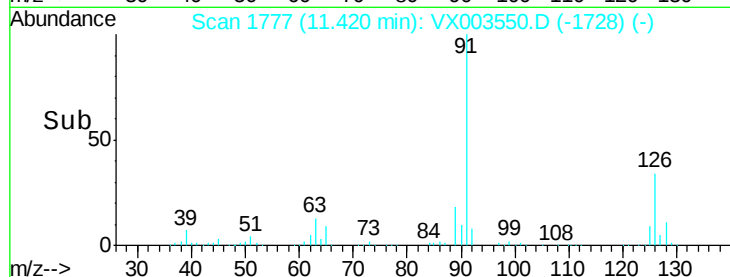
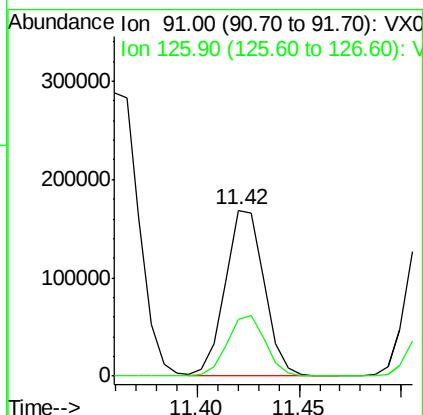
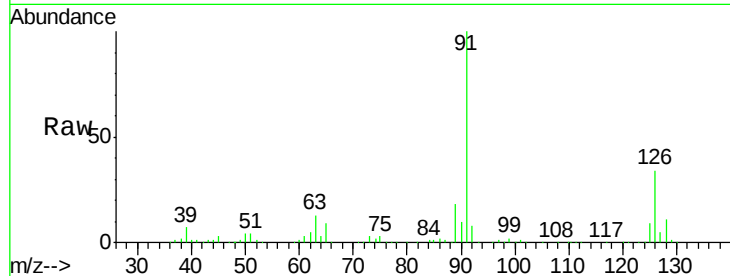




#79
 2-Chlorotoluene
 Concen: 20.77 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

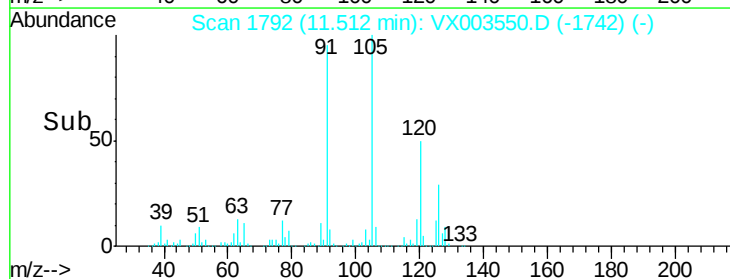
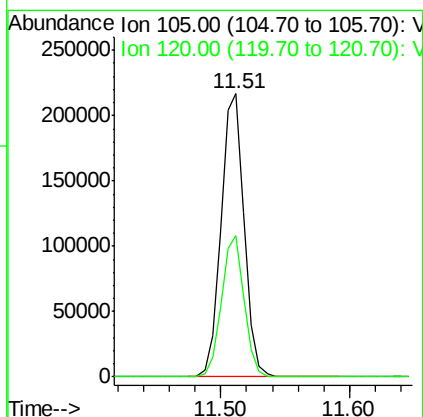
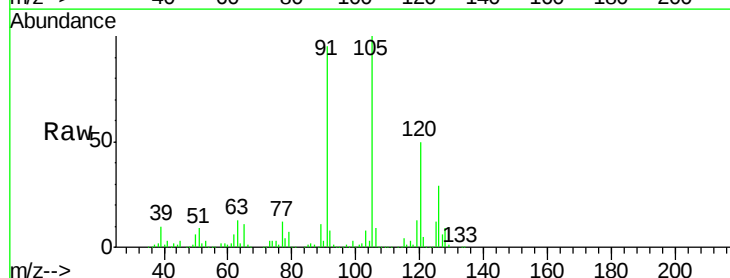
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

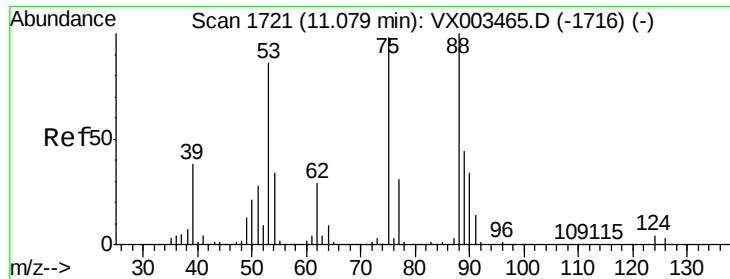
Tot Ion: 91 Resp: 221153
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.99 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 105 Resp: 272095
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.4

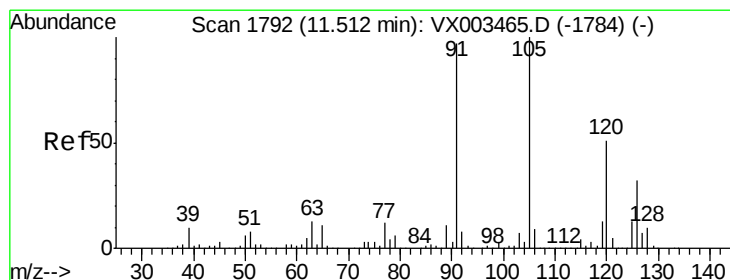
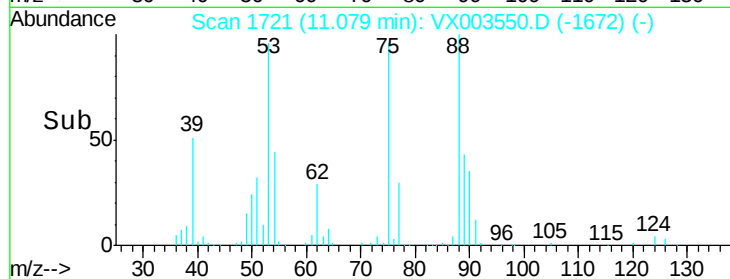
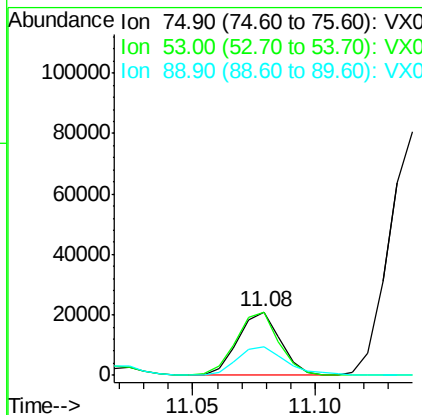
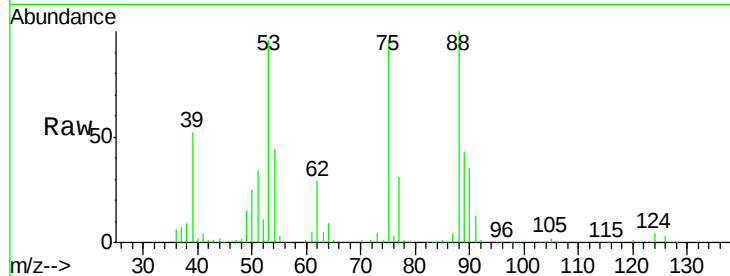




#81
trans-1,4-Dichloro-2-butene
Concen: 18.94 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

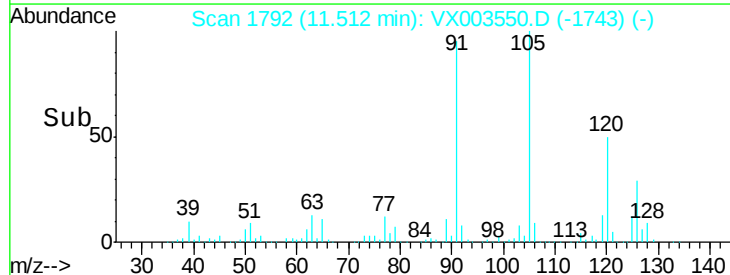
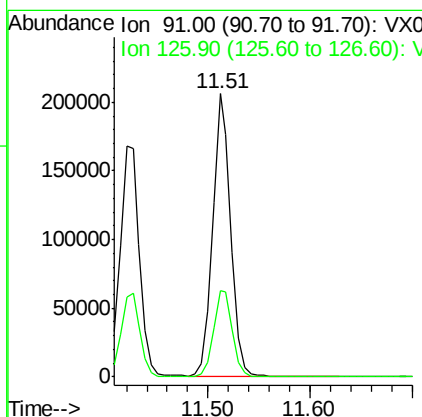
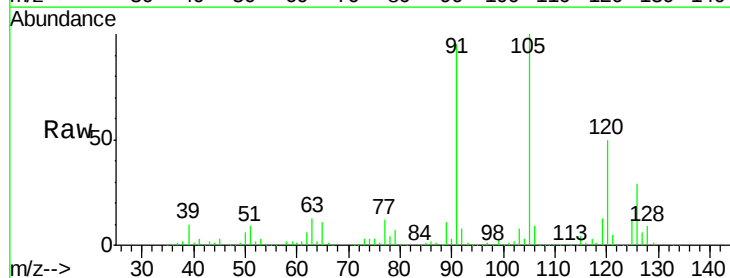
Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

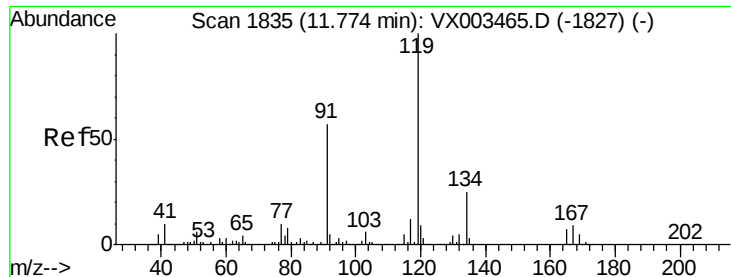
Tot Ion: 75 Resp: 25095
Ion Ratio Lower Upper
75 100
53 101.9 86.8 130.2
89 52.1 38.2 57.2



#82
4-Chlorotoluene
Concen: 20.56 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 91 Resp: 256519
Ion Ratio Lower Upper
91 100
126 32.1 15.4 46.4

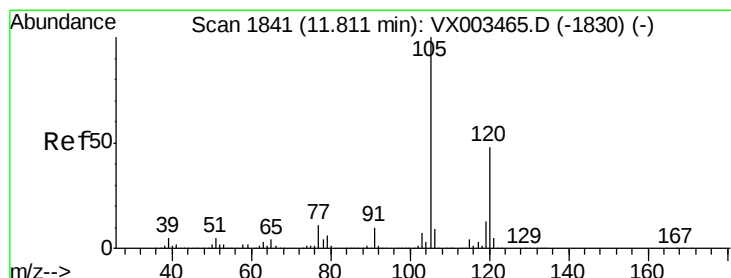
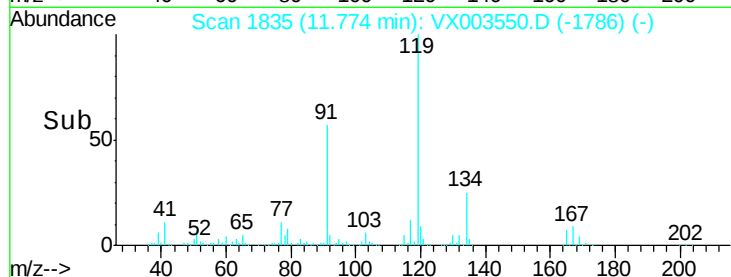
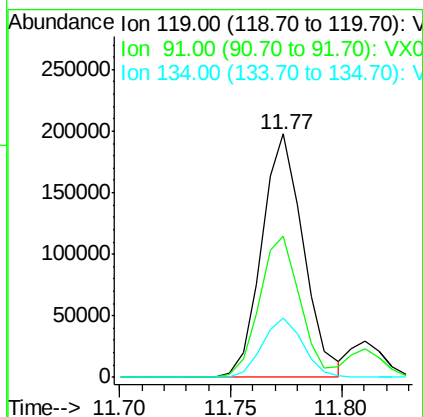
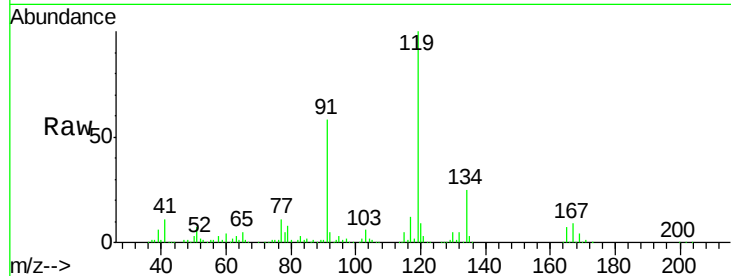




#83
 tert-Butylbenzene
 Concen: 20.21 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

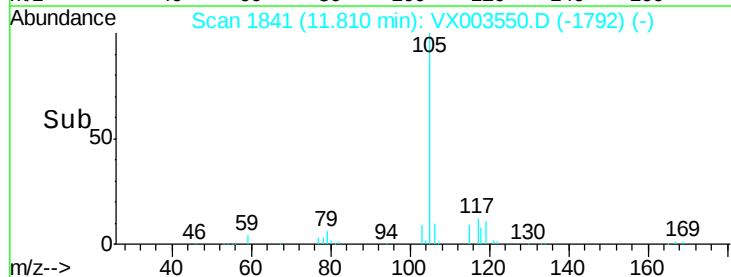
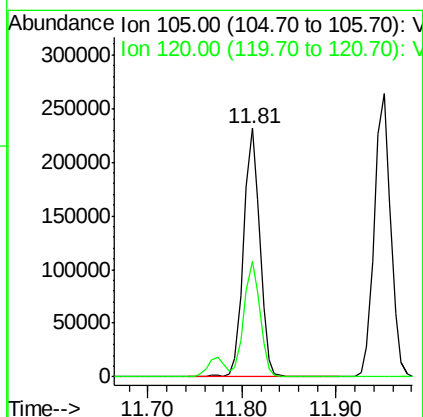
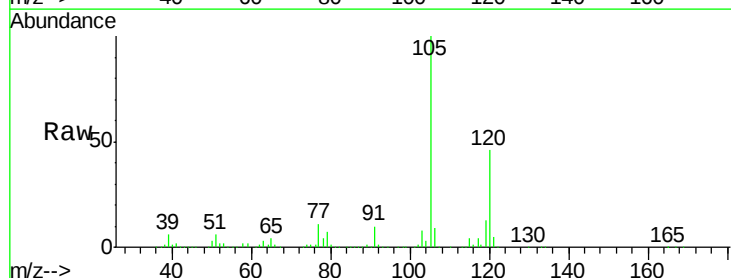
Instrument :
 MSVOA_X
 ClientSampled :
 VX0721MBS02

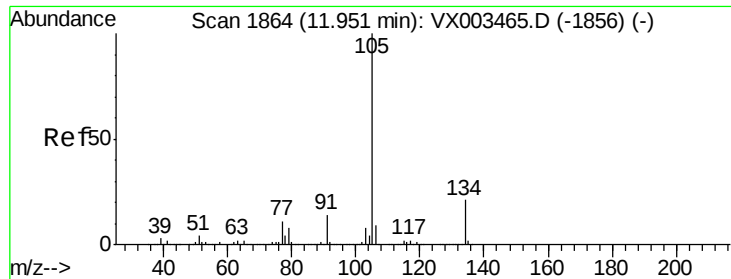
Tot Ion:119 Resp: 256600
 Ion Ratio Lower Upper
 119 100
 91 57.5 30.3 90.9
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.07 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion:105 Resp: 277962
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.3 66.8

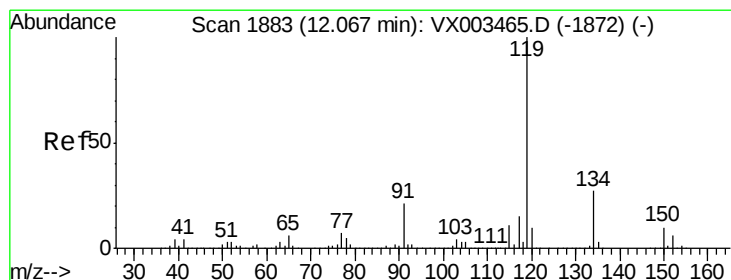
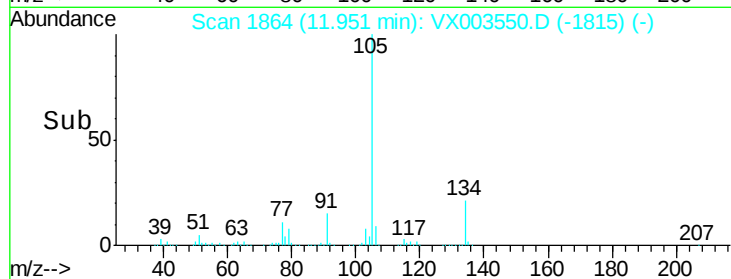
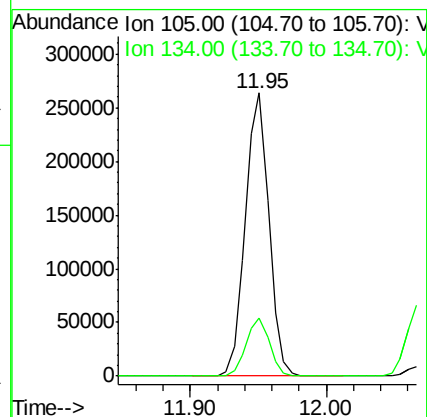
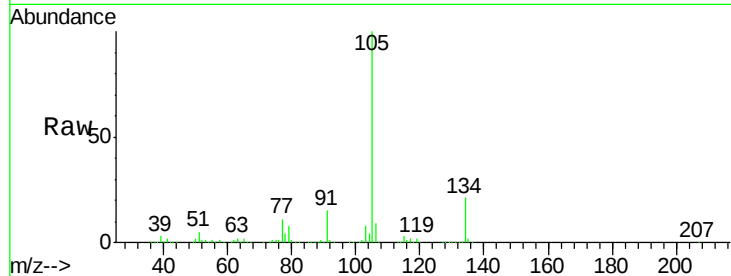




#85
 sec-Butylbenzene
 Concen: 20.67 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

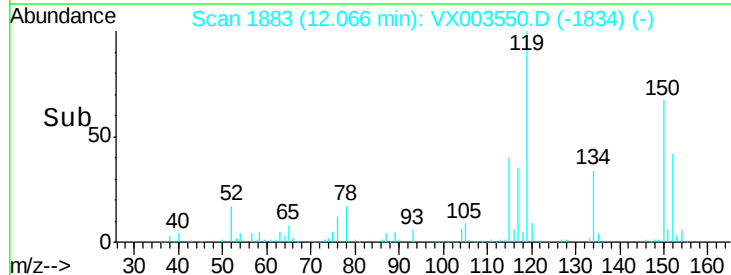
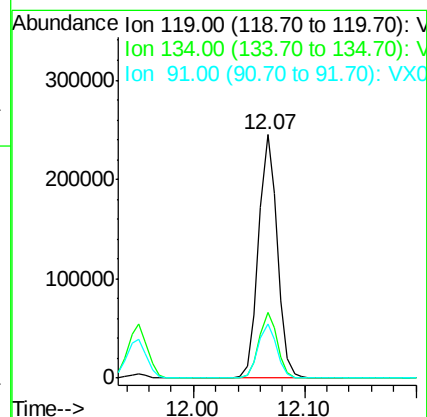
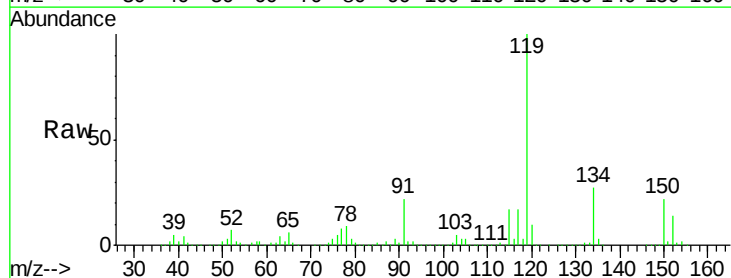
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

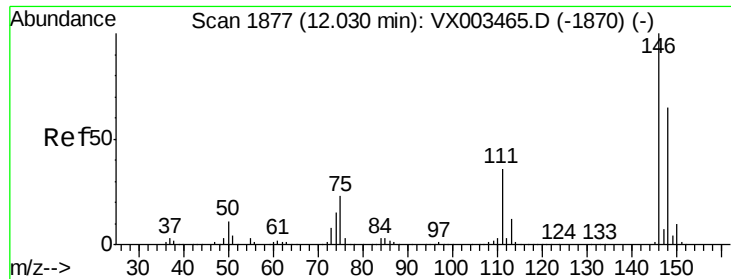
Tot Ion:105 Resp: 318773
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 20.73 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion:119 Resp: 286987
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 22.3 11.9 35.7

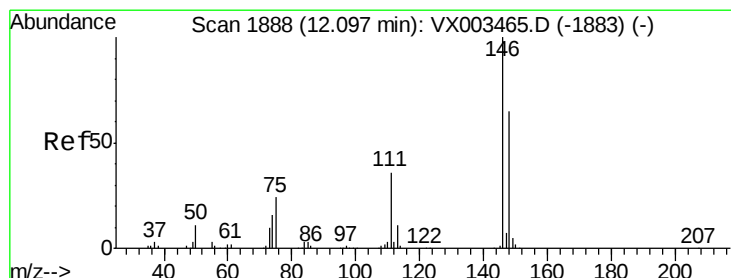
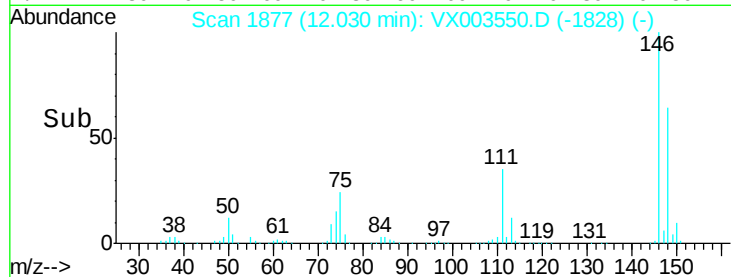
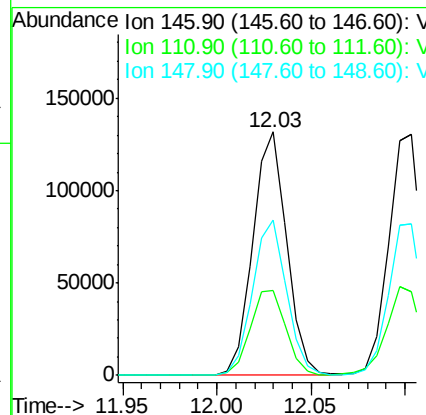
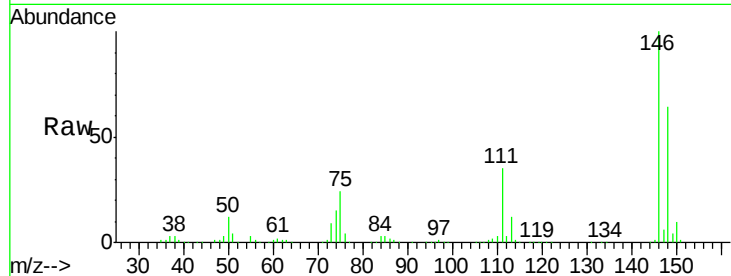




#87
 1,3-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

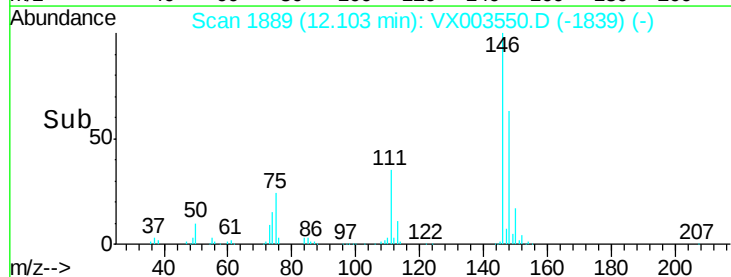
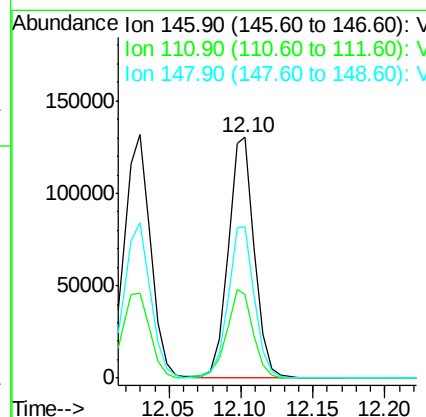
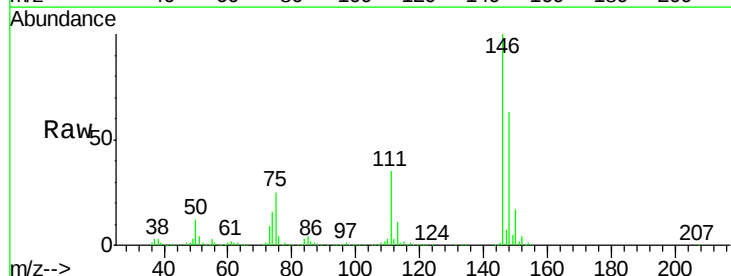
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

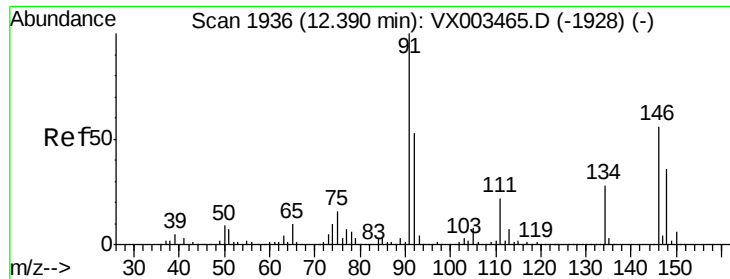
Tot Ion:146 Resp: 164297
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.9 56.7
 148 64.2 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion:146 Resp: 166164
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 63.6 32.4 97.0

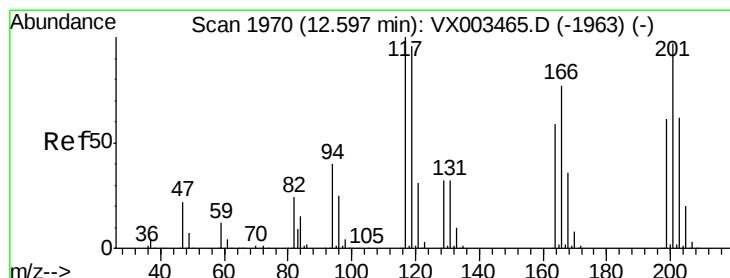
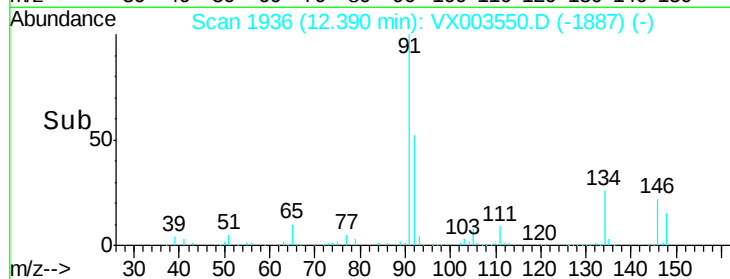
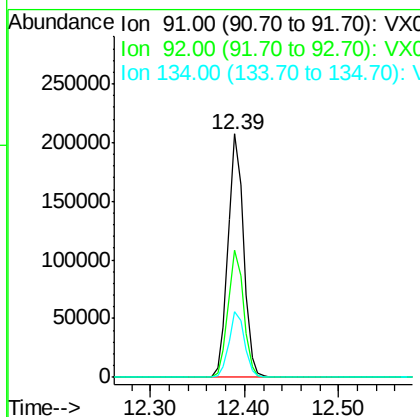
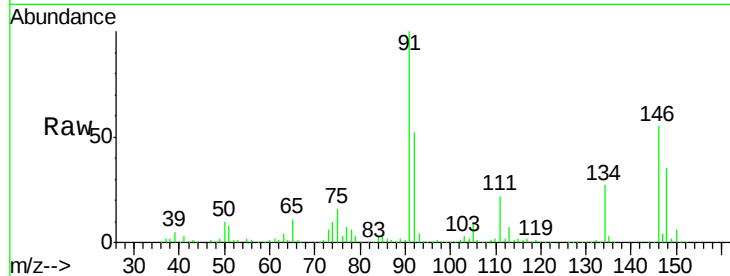




#89
n-Butylbenzene
Concen: 20.28 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

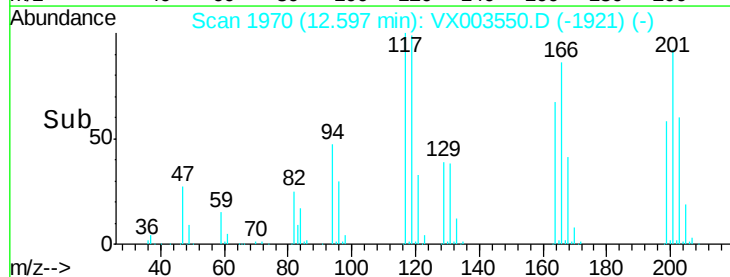
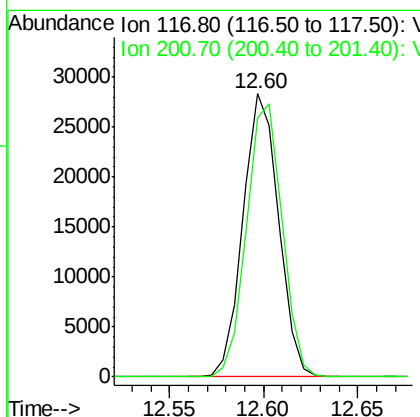
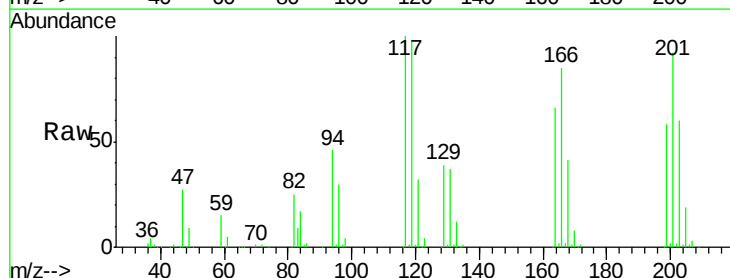
Instrument :
MSVOA_X
ClientSampled :
VX0721MBS02

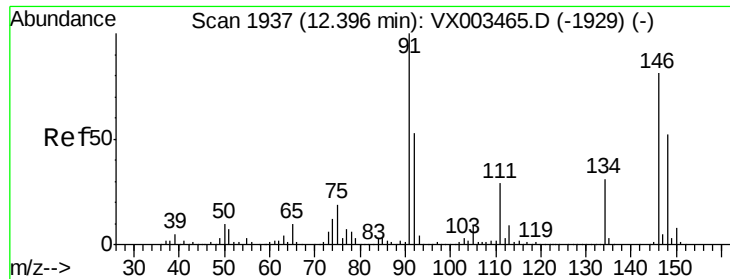
Tot Ion: 91 Resp: 238348
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 18.88 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 117 Resp: 37157
Ion Ratio Lower Upper
117 100
201 96.7 49.0 147.0

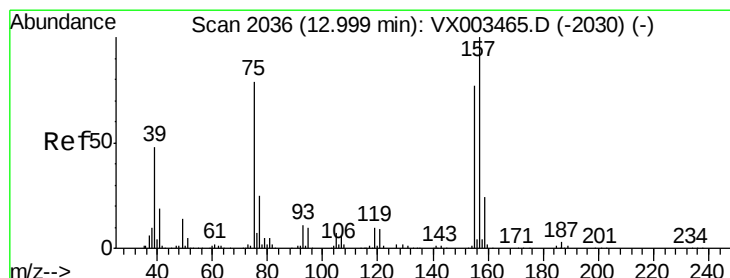
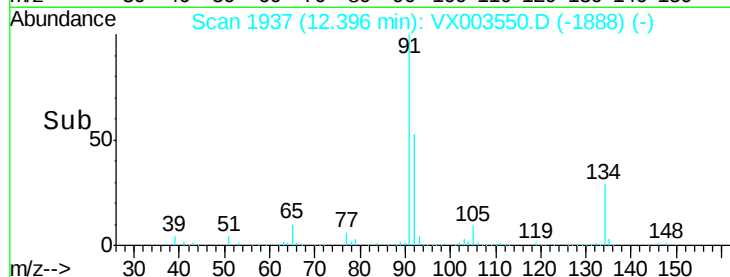
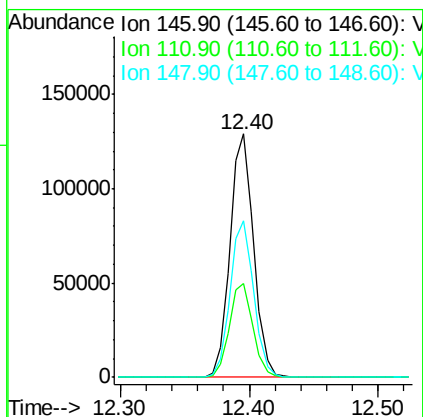
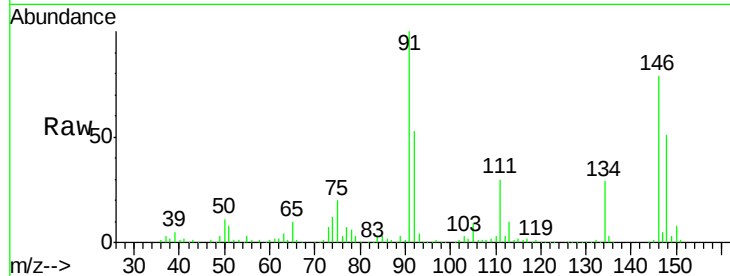




#91
 1,2-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

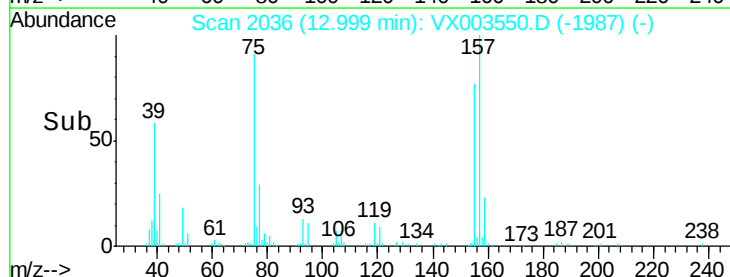
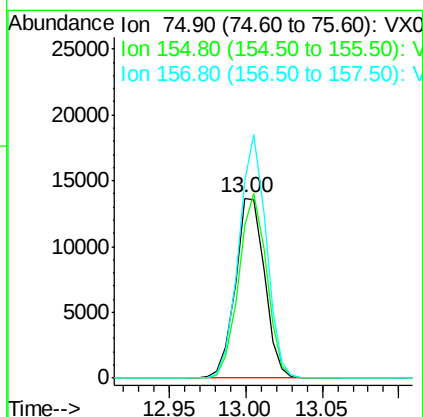
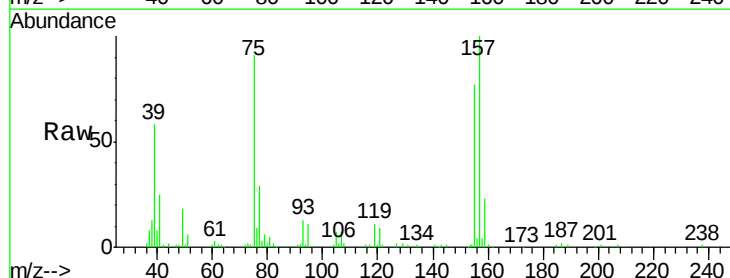
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

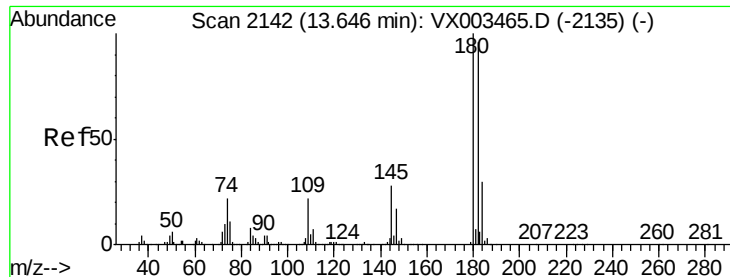
Tot Ion:146 Resp: 165151
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.1
 148 64.4 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.16 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 75 Resp: 18134
 Ion Ratio Lower Upper
 75 100
 155 97.6 45.8 137.4
 157 125.8 60.1 180.3

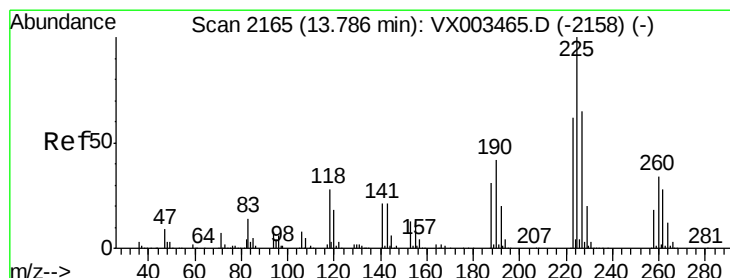
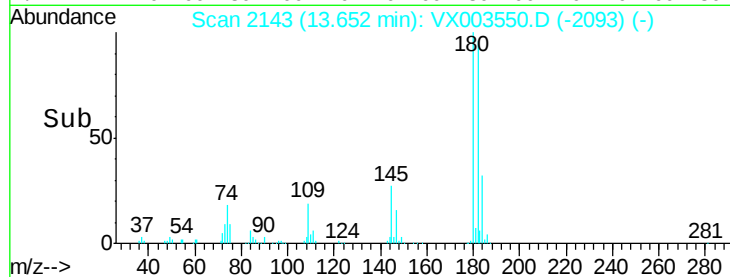
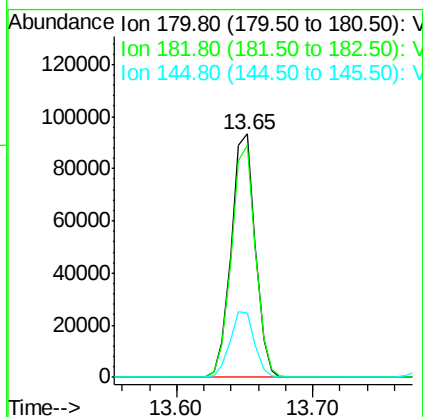
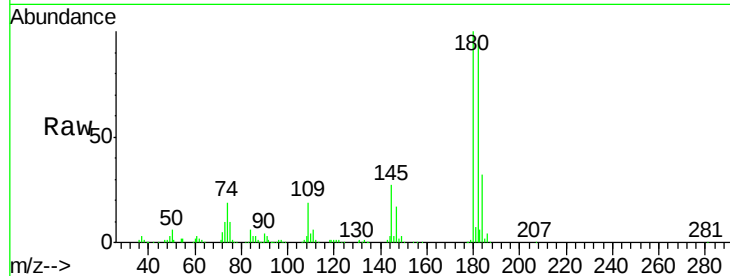




#93
 1,2,4-Trichlorobenzene
 Concen: 19.04 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

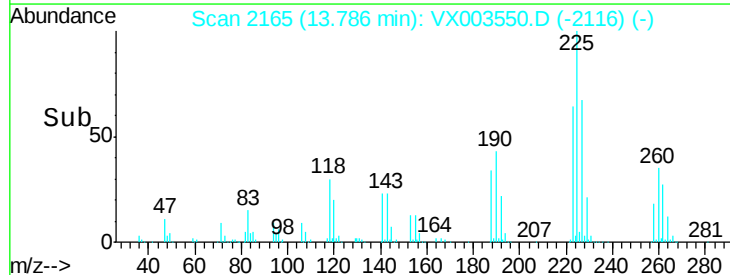
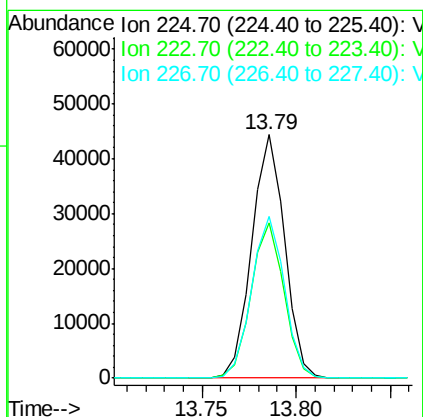
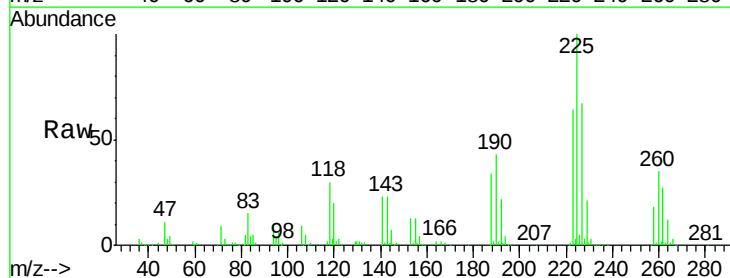
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

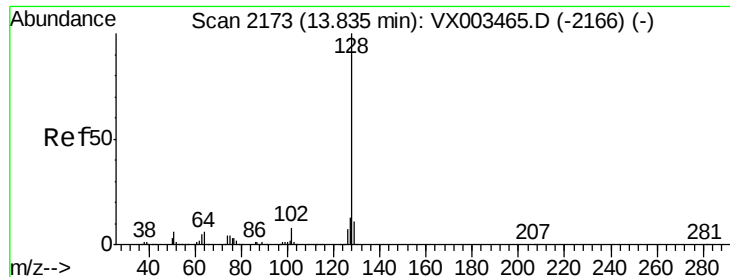
Tot Ion:180 Resp: 114689
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.7 143.1
 145 27.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 18.54 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion:225 Resp: 53710
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.6 95.0
 227 66.3 32.4 97.2

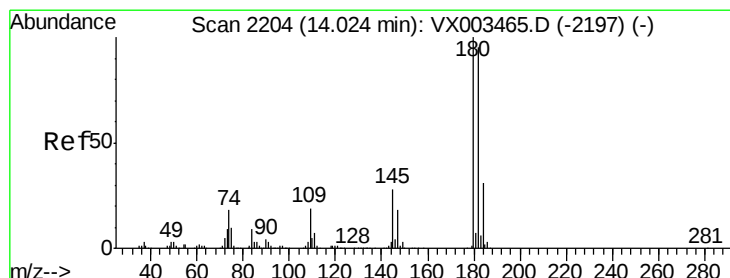
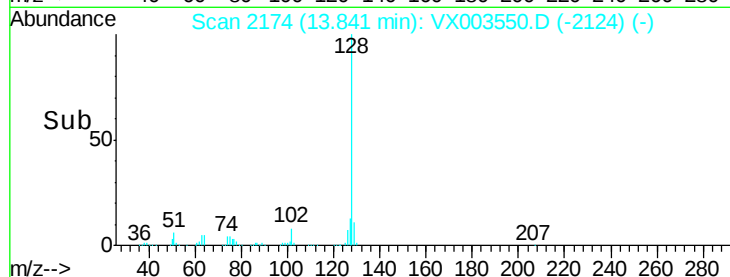
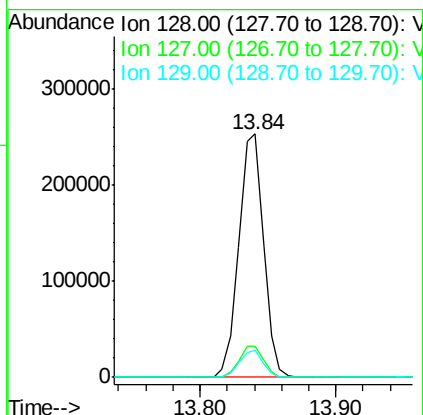
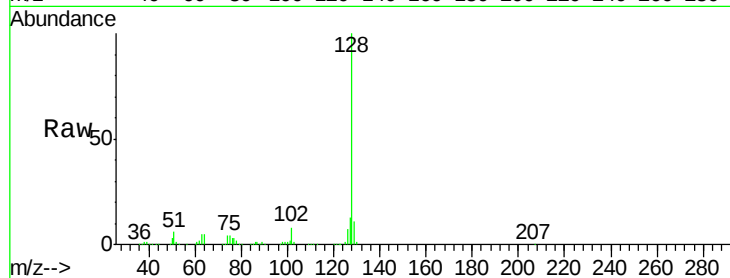




#95
Naphthalene
Concen: 20.34 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tot Ion:128 Resp: 321984
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.66 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
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Acq: 21 Jul 2018 13:09

Tgt Ion:180 Resp: 117281
Ion Ratio Lower Upper
180 100
182 96.9 48.0 144.0
145 29.5 14.8 44.3

