

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004322.D
 Acq On : 30 Aug 2018 15:37
 Operator : JC/MD
 Sample : VX0830WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Quant Time: Aug 31 00:53:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	266101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393133	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	389691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	236065	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	175263	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	5.50	113	147078	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	8.71	98	544652	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.14	95	208108	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	55060	17.86	ug/l	98
3) Chloromethane	1.32	50	67598	20.02	ug/l	100
4) Vinyl Chloride	1.40	62	64452	18.49	ug/l	99
5) Bromomethane	1.64	94	37462	20.61	ug/l	100
6) Chloroethane	1.72	64	45968	17.87	ug/l	97
7) Trichlorofluoromethane	1.93	101	86831	18.17	ug/l	95
8) Diethyl Ether	2.18	74	44430	21.72	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	54532	18.22	ug/l	99
10) Methyl Iodide	2.51	142	57958	19.96	ug/l	97
11) Tert butyl alcohol	3.06	59	77636	105.01	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51426	18.24	ug/l	94
13) Acrolein	2.29	56	13847	77.69	ug/l	94
14) Allyl chloride	2.73	41	105755	20.42	ug/l	98
15) Acrylonitrile	3.14	53	193047	105.44	ug/l	100
16) Acetone	2.44	43	174217	118.81	ug/l	98
17) Carbon Disulfide	2.57	76	126095	16.65	ug/l	99
18) Methyl Acetate	2.78	43	133381	25.92	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	201912	21.73	ug/l	99
20) Methylene Chloride	2.85	84	68733	20.59	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	58424	18.72	ug/l	97
22) Diisopropyl ether	3.87	45	212912	22.02	ug/l	97
23) Vinyl Acetate	3.82	43	834376	106.46	ug/l	100
24) 1,1-Dichloroethane	3.69	63	116547	20.68	ug/l	100
25) 2-Butanone	4.70	43	258273	109.53	ug/l	98
26) 2,2-Dichloropropane	4.58	77	87146	19.72	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	71652	20.25	ug/l	100
28) Bromochloromethane	5.01	49	56420	22.61	ug/l	98
29) Tetrahydrofuran	5.15	42	158432	106.32	ug/l	99
30) Chloroform	5.21	83	116716	20.66	ug/l	100
31) Cyclohexane	5.57	56	83625	17.20	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	90628	19.23	ug/l	99
36) 1,1-Dichloropropene	5.79	75	80636	18.24	ug/l	100
37) Ethyl Acetate	4.85	43	90532	20.83	ug/l	100
38) Carbon Tetrachloride	5.78	117	75698	18.21	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	78856	15.63	ug/l	98
40) Benzene	6.14	78	265422	20.10	ug/l	99
41) Methacrylonitrile	5.05	41	53831	21.37	ug/l	99
42) 1,2-Dichloroethane	6.20	62	94264	20.93	ug/l	100
43) Isopropyl Acetate	6.46	43	140053	20.97	ug/l	100
44) Trichloroethene	7.21	130	68938	18.86	ug/l	97
45) 1,2-Dichloropropane	7.51	63	69326	20.97	ug/l	99
46) Dibromomethane	7.66	93	45379	20.62	ug/l	99
47) Bromodichloromethane	7.90	83	84603	20.66	ug/l	99
48) Methyl methacrylate	7.77	41	75112	21.02	ug/l	98
49) 1,4-Dioxane	7.75	88	32023	394.65	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	491840	101.35	ug/l	99
52) Toluene	8.78	92	167900	20.31	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	92641	20.48	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	104083	21.13	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	71884	21.54	ug/l	100
56) Ethyl methacrylate	9.18	69	94937	20.90	ug/l	99
57) 1,3-Dichloropropane	9.37	76	120680	21.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	266834	114.63	ug/l	100
59) 2-Hexanone	9.49	43	376261	101.63	ug/l	98
60) Dibromochloromethane	9.59	129	66544	20.47	ug/l	99
61) 1,2-Dibromoethane	9.67	107	72869	21.10	ug/l	98
64) Tetrachloroethene	9.34	164	69412	18.03	ug/l	96
65) Chlorobenzene	10.14	112	188533	19.28	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.22	131	66263	19.64	ug/l	99
67) Ethyl Benzene	10.25	91	296811	18.69	ug/l	99
68) m/p-Xylenes	10.36	106	236899	38.14	ug/l	98
69) o-Xylene	10.70	106	114191	19.44	ug/l	98
70) Styrene	10.71	104	195099	20.51	ug/l	99
71) Bromoform	10.86	173	50270	18.49	ug/l	# 100
73) Isopropylbenzene	11.02	105	300196	19.36	ug/l	100
74) N-amyl acetate	10.90	43	116616	19.53	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	109442	20.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	118716	24.73	ug/l	86
77) Bromobenzene	11.26	156	87555	20.13	ug/l	98
78) n-propylbenzene	11.36	91	327814	18.38	ug/l	99
79) 2-Chlorotoluene	11.42	91	213535	19.45	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	244082	19.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28031	18.94	ug/l	94
82) 4-Chlorotoluene	11.51	91	252999	19.59	ug/l	100
83) tert-Butylbenzene	11.77	119	237664	18.40	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	267298	20.28	ug/l	100
85) sec-Butylbenzene	11.94	105	282769	18.44	ug/l	99
86) p-Isopropyltoluene	12.07	119	257272	18.72	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	159318	19.46	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	164551	19.06	ug/l	99
89) n-Butylbenzene	12.39	91	195149	17.46	ug/l	99
90) Hexachloroethane	12.60	117	35093	18.27	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	153918	20.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18594	19.46	ug/l	96

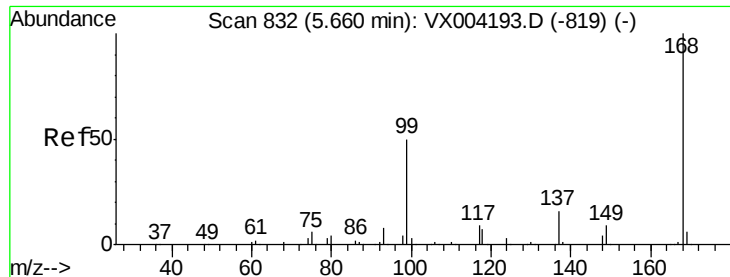
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106234	19.51	ug/l	97
94) Hexachlorobutadiene	13.79	225	42057	16.51	ug/l	95
95) Naphthalene	13.83	128	311653	20.24	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	113274	19.65	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

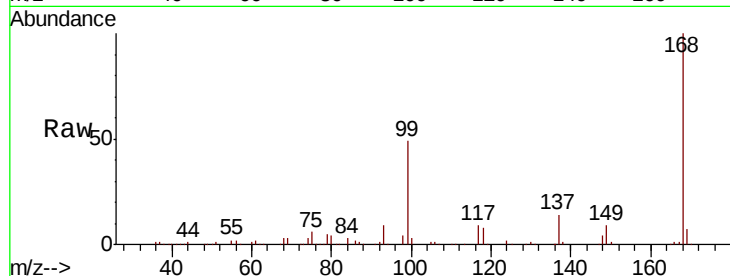
VX0830WBS01

Tot Ion:168 Resp: 266101

Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

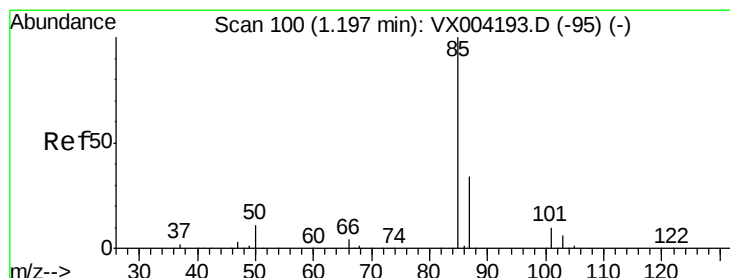
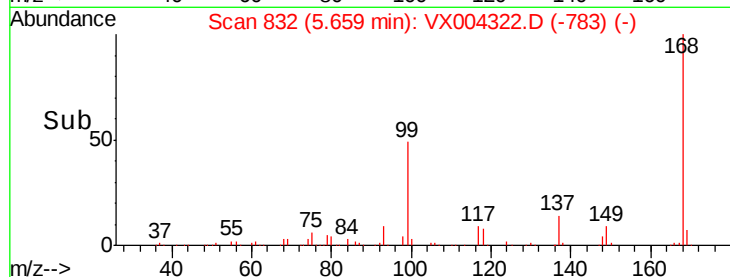
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.86 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004322.D

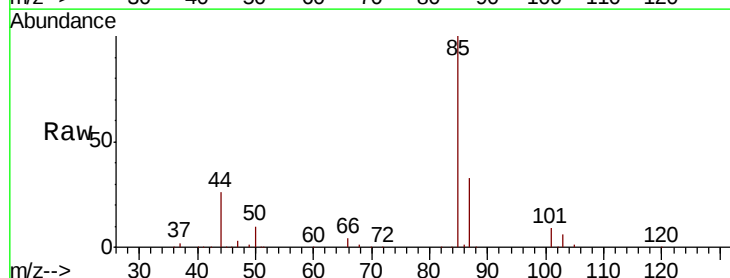
Acq: 30 Aug 2018 15:37

Tgt Ion: 85 Resp: 55060

Ion Ratio Lower Upper

85 100

87 32.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

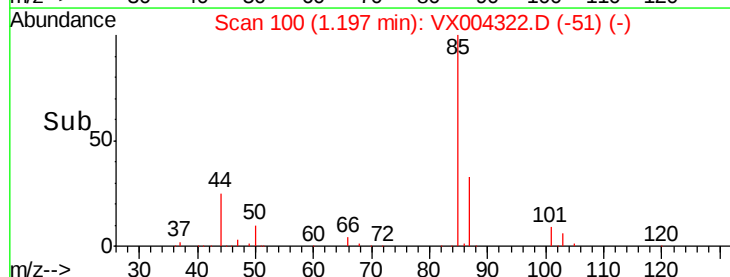
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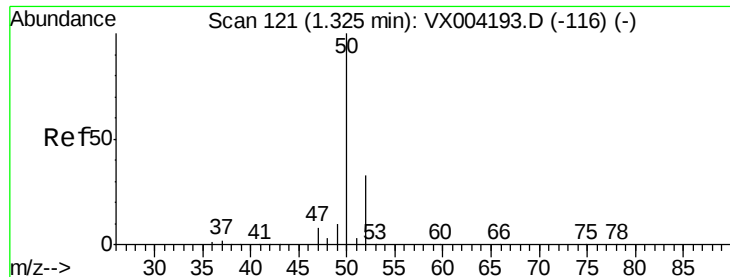
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.02 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

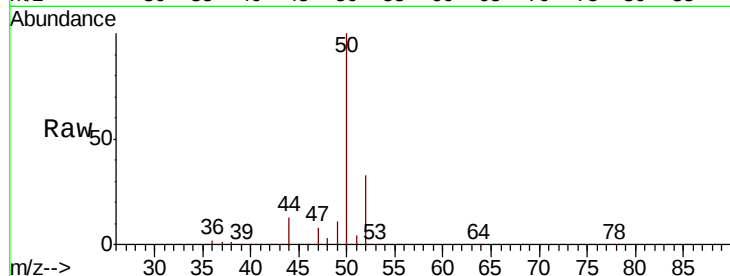
VX0830WBS01

Tot Ion: 50 Resp: 67598

Ion Ratio Lower Upper

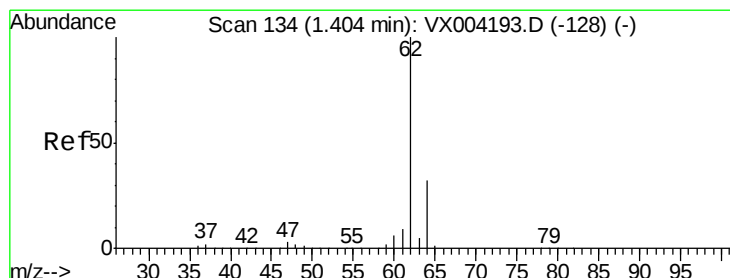
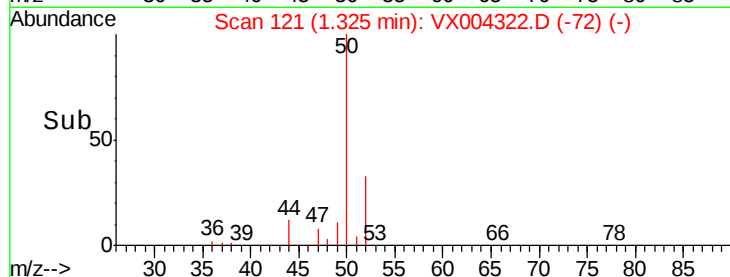
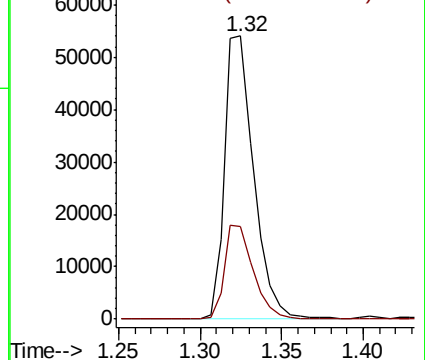
50 100

52 32.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.49 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004322.D

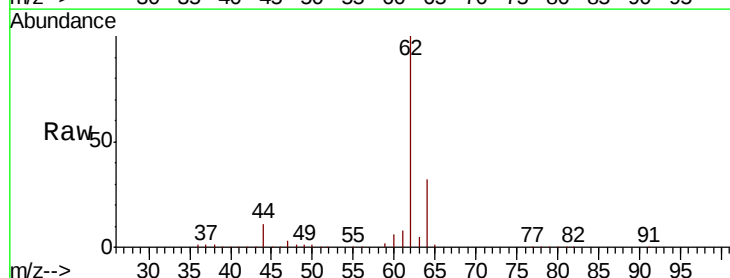
Acq: 30 Aug 2018 15:37

Tgt Ion: 62 Resp: 64452

Ion Ratio Lower Upper

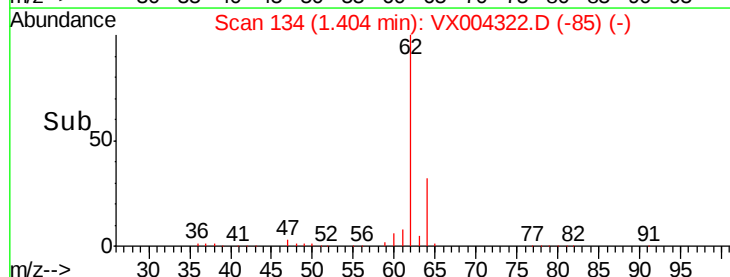
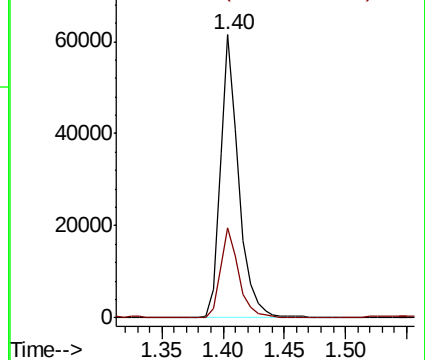
62 100

64 31.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.61 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

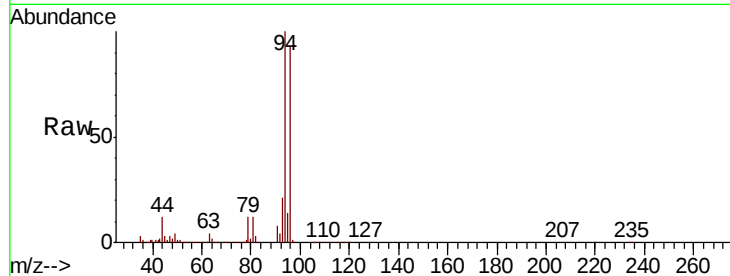
VX0830WBS01

Tot Ion: 94 Resp: 37462

Ion Ratio Lower Upper

94 100

96 92.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

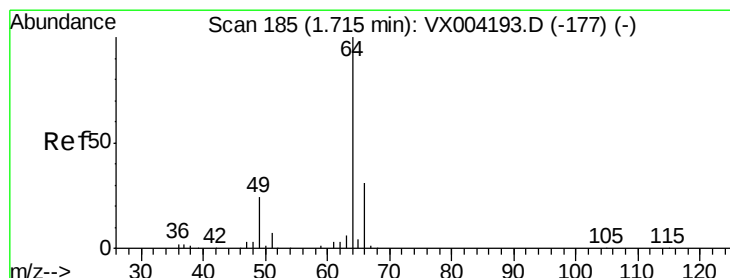
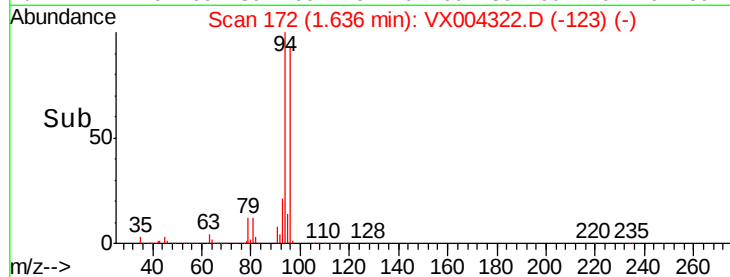
20000

10000

0

Time-->

1.60 1.70



#6

Chloroethane

Concen: 17.87 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004322.D

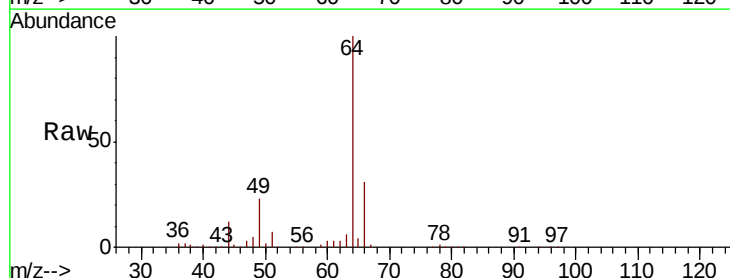
Acq: 30 Aug 2018 15:37

Tgt Ion: 64 Resp: 45968

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

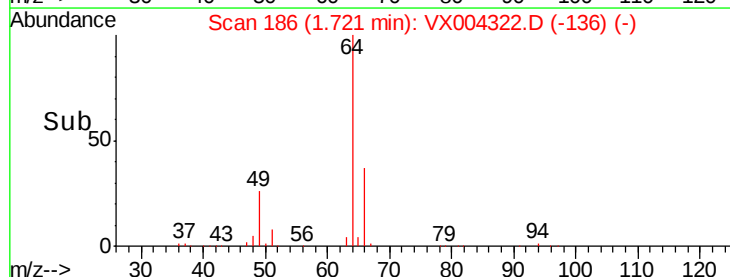
20000

10000

0

Time-->

1.70 1.80





#7

Trichlorofluoromethane

Concen: 18.17 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

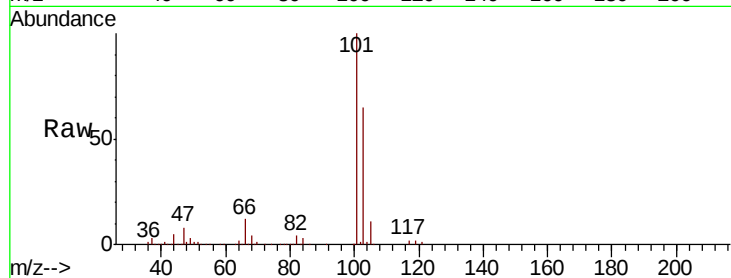
VX0830WBS01

Tot Ion:101 Resp: 86831

Ion Ratio Lower Upper

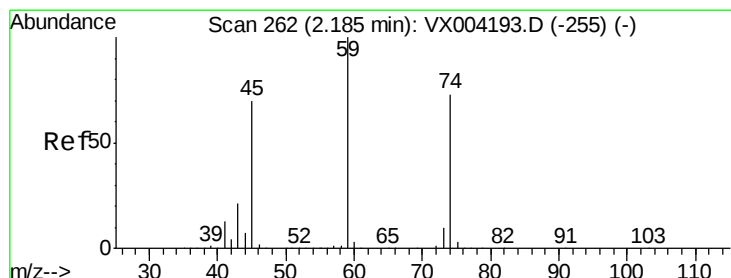
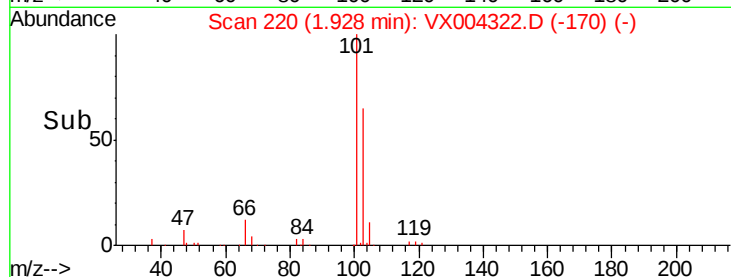
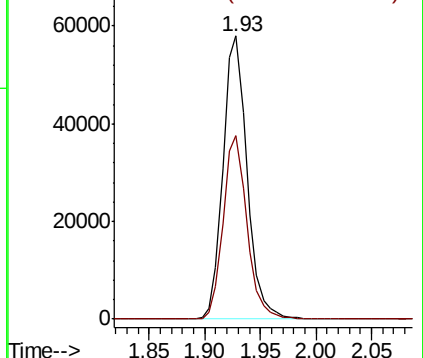
101 100

103 64.8 48.9 73.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.72 ug/l

RT: 2.18 min Scan# 262

Delta R.T. -0.00 min

Lab File: VX004322.D

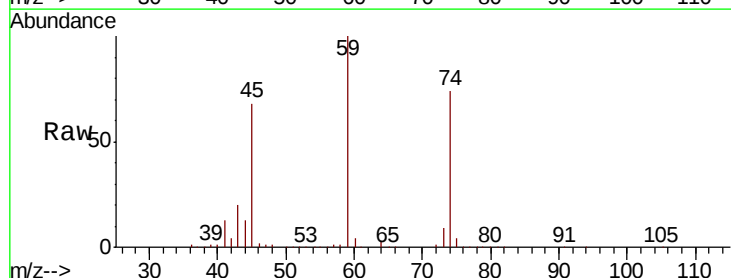
Acq: 30 Aug 2018 15:37

Tgt Ion: 74 Resp: 44430

Ion Ratio Lower Upper

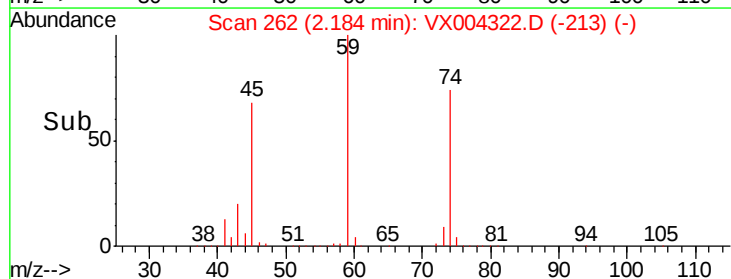
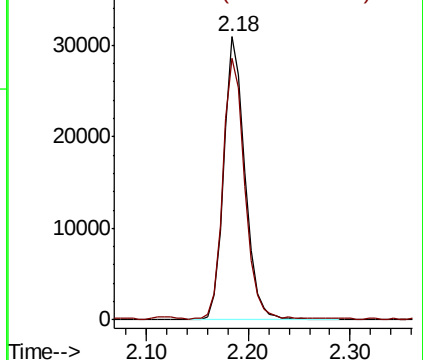
74 100

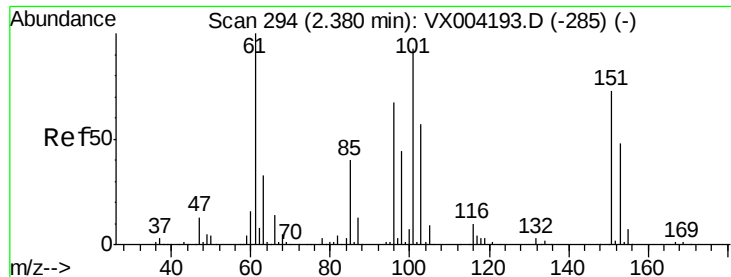
45 95.1 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

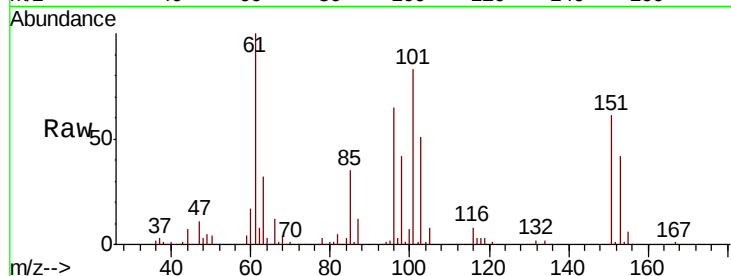




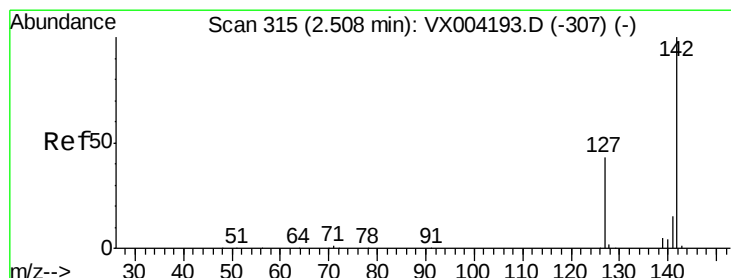
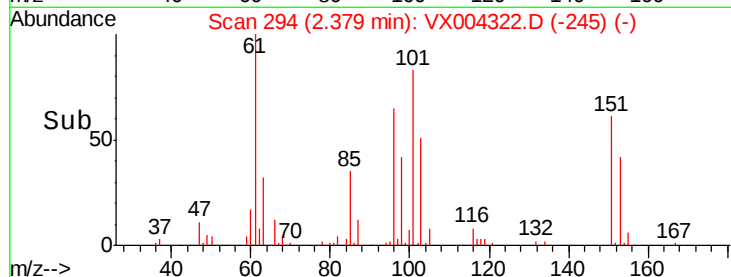
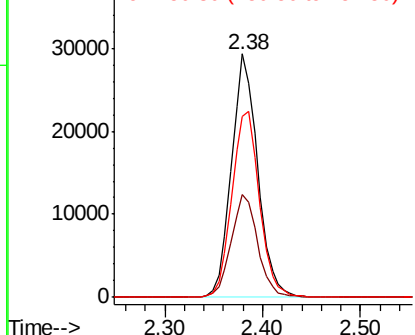
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.22 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion:101 Resp: 54532
 Ion Ratio Lower Upper
 101 100
 85 43.1 34.2 51.4
 151 80.3 65.0 97.6

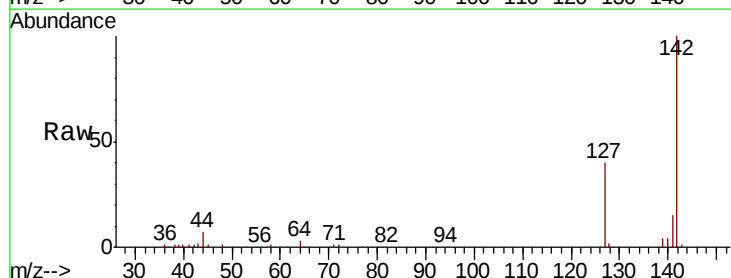


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

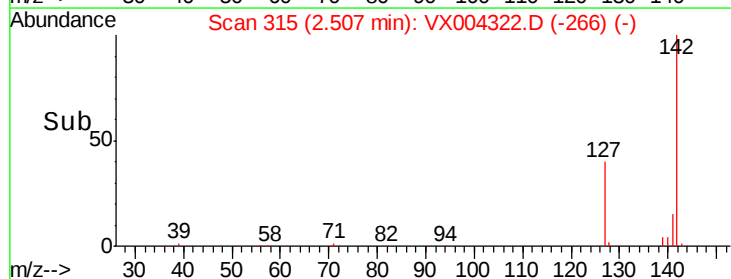
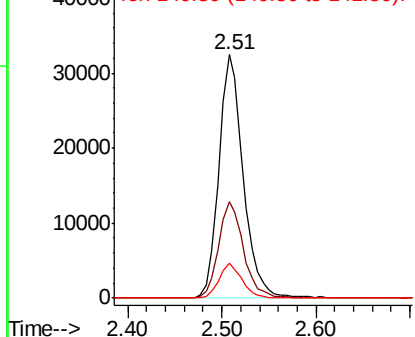


#10
 Methyl Iodide
 Concen: 19.96 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion:142 Resp: 57958
 Ion Ratio Lower Upper
 142 100
 127 40.2 33.8 50.6
 141 13.9 11.4 17.0



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

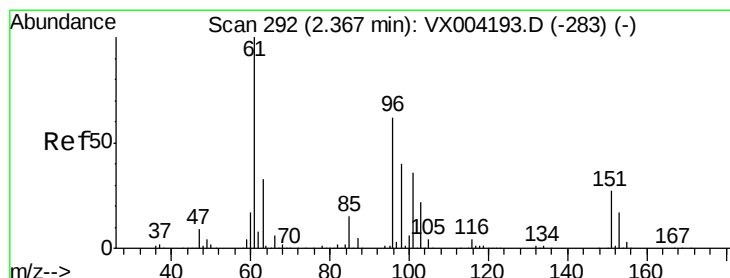
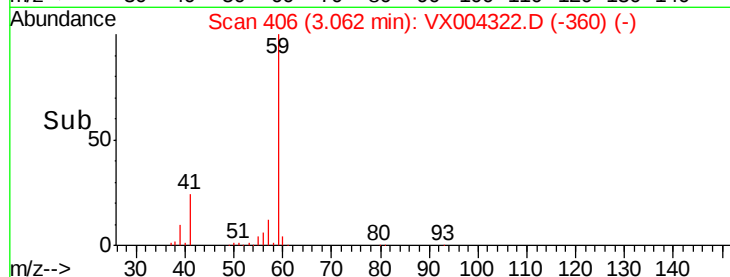
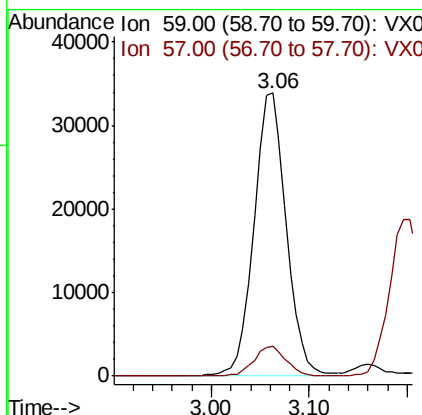
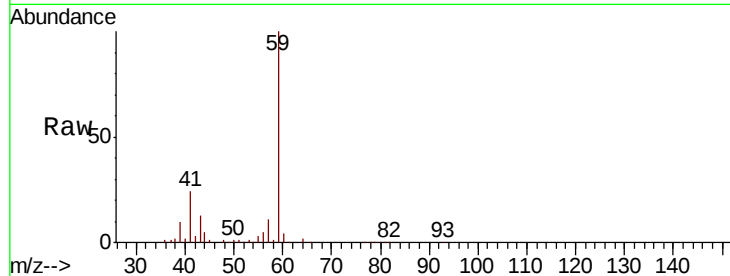




#11
Tert butyl alcohol
Concen: 105.01 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

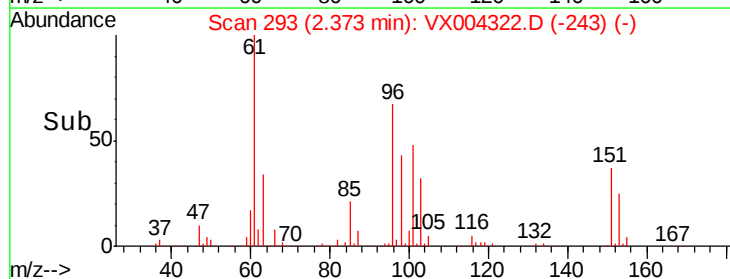
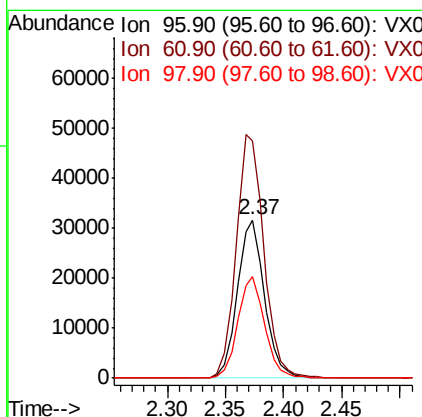
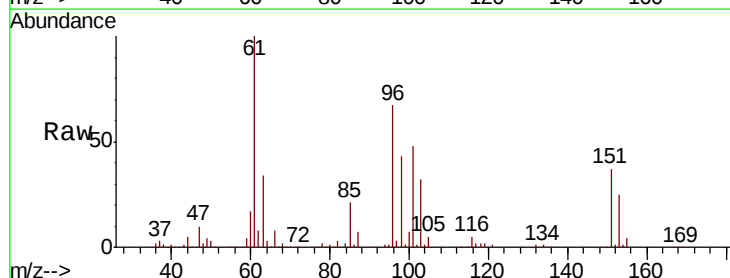
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

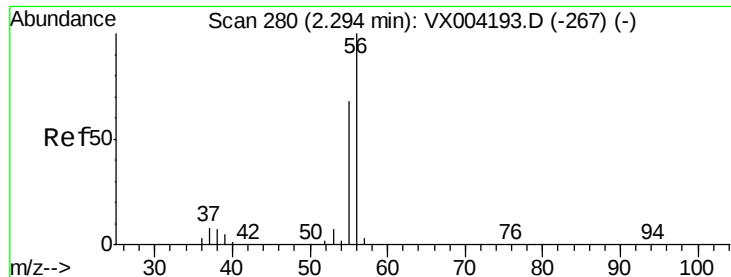
Tot Ion: 59 Resp: 77636
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 18.24 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 96 Resp: 51426
Ion Ratio Lower Upper
96 100
61 150.2 128.8 193.2
98 64.2 52.2 78.2





#13

Acrolein

Concen: 77.69 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

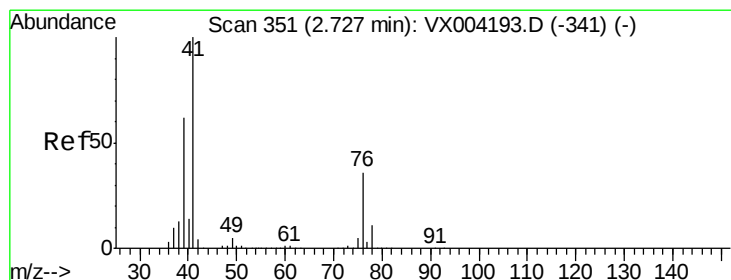
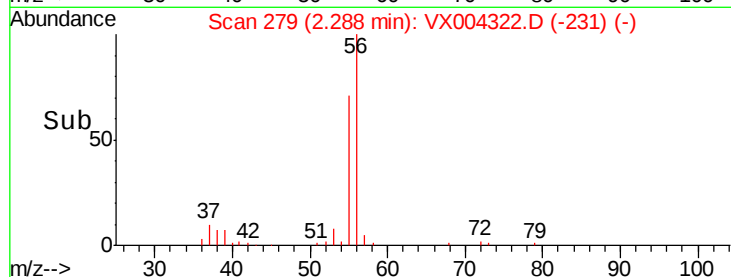
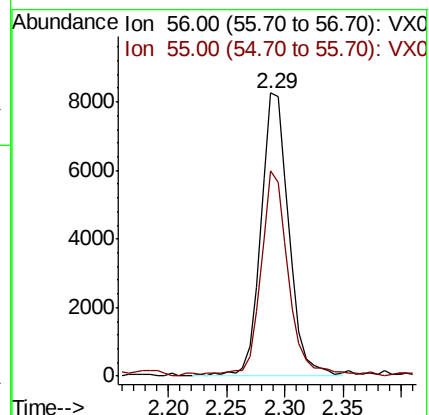
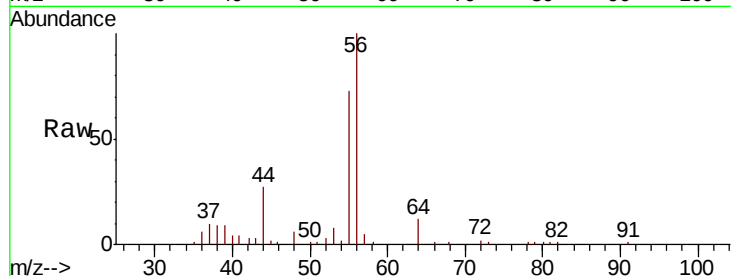
VX0830WBS01

Tot Ion: 56 Resp: 13847

Ion Ratio Lower Upper

56 100

55 73.4 54.7 82.1



#14

Allyl chloride

Concen: 20.42 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

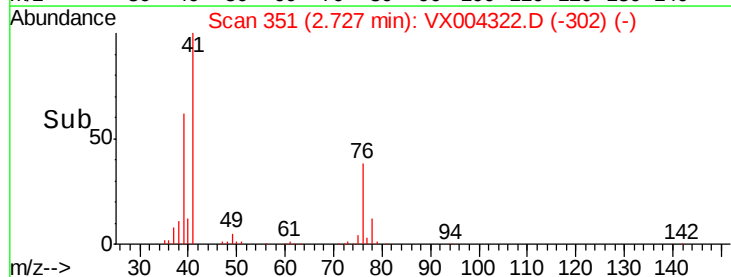
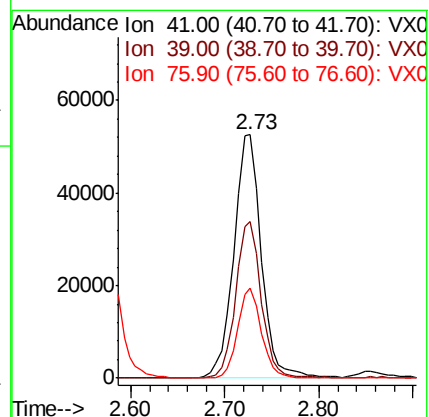
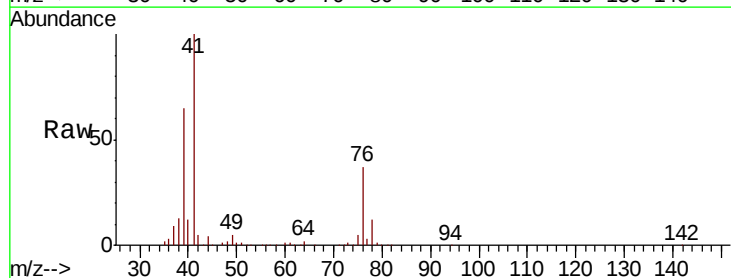
Tgt Ion: 41 Resp: 105755

Ion Ratio Lower Upper

41 100

39 59.4 48.9 73.3

76 32.3 26.7 40.1





#15

Acrylonitrile

Concen: 105.44 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

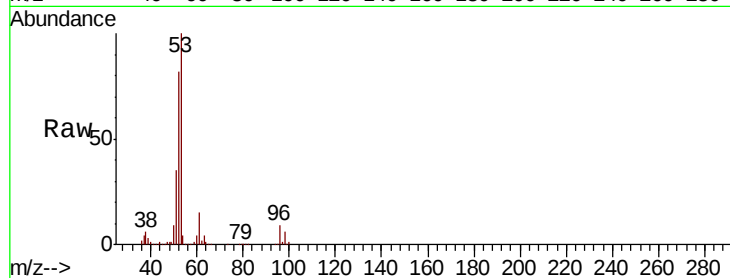
Tot Ion: 53 Resp: 193047

Ion Ratio Lower Upper

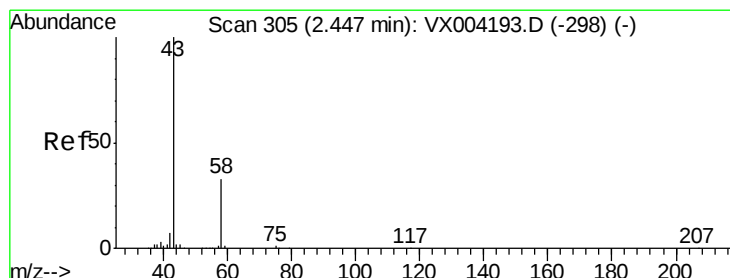
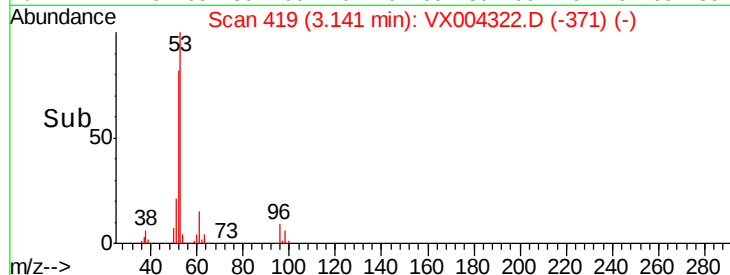
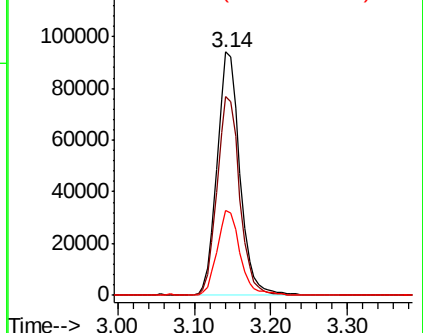
53 100

52 81.9 65.2 97.8

51 35.3 28.2 42.2



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: 118.81 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004322.D

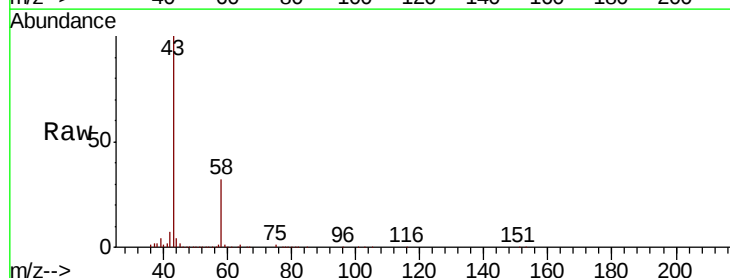
Acq: 30 Aug 2018 15:37

Tgt Ion: 43 Resp: 174217

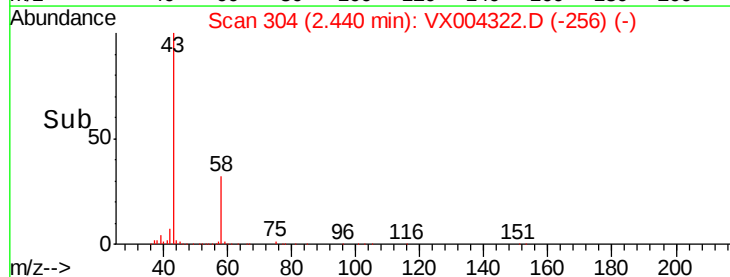
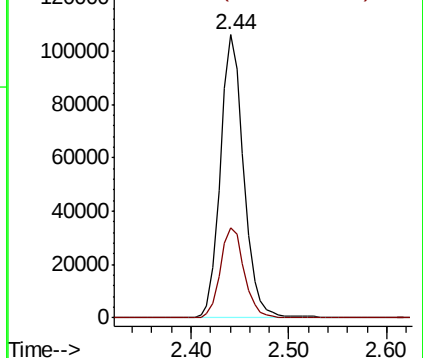
Ion Ratio Lower Upper

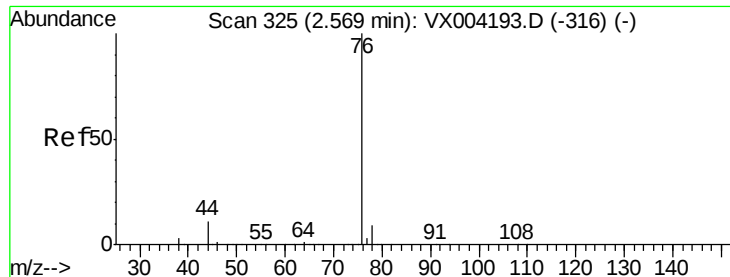
43 100

58 31.8 26.2 39.4



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

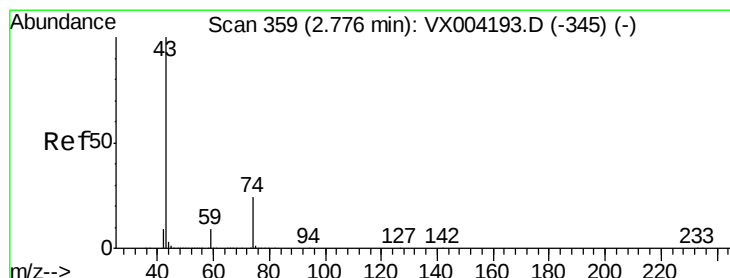
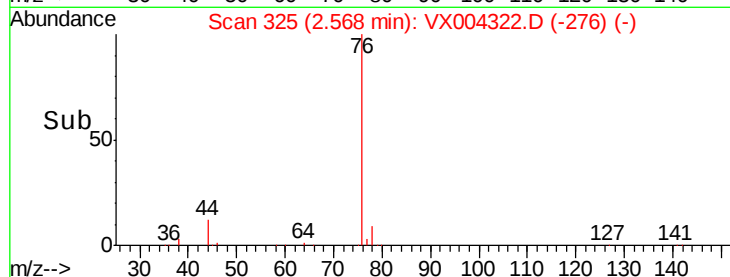
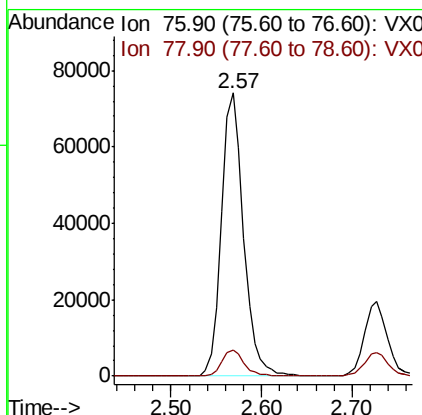
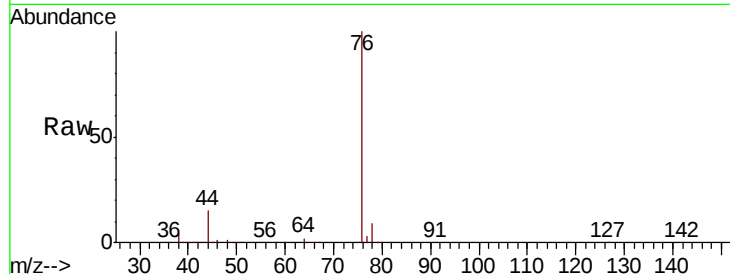




#17
Carbon Disulfide
Concen: 16.65 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

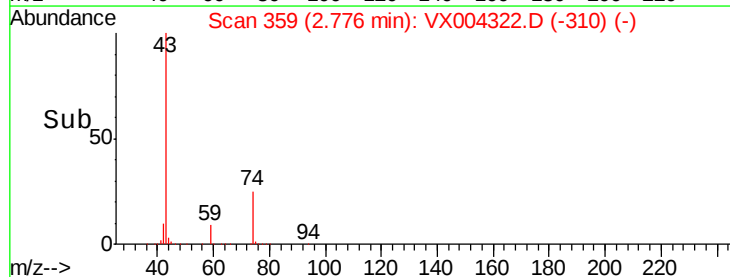
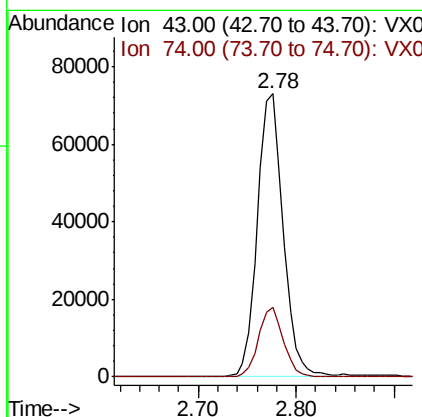
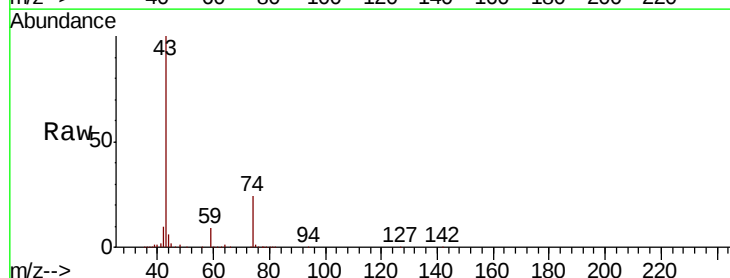
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

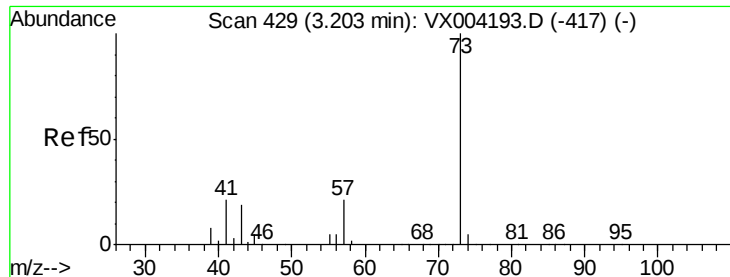
Tot Ion: 76 Resp: 126095
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 25.92 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 43 Resp: 133381
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2

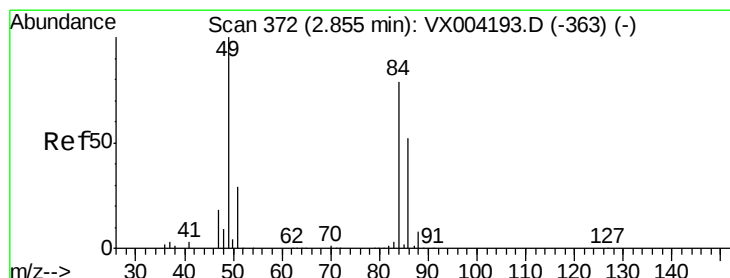
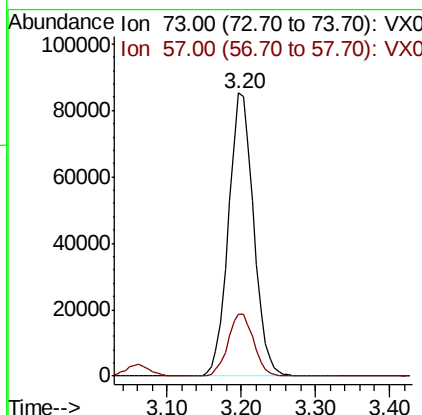
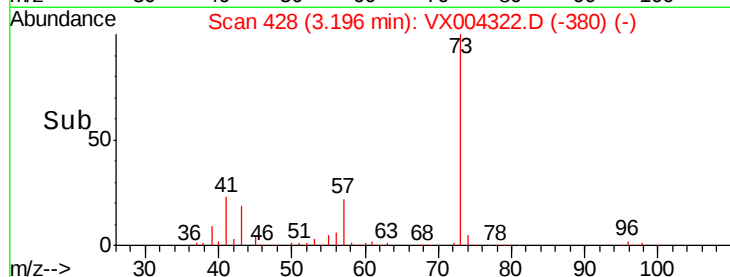
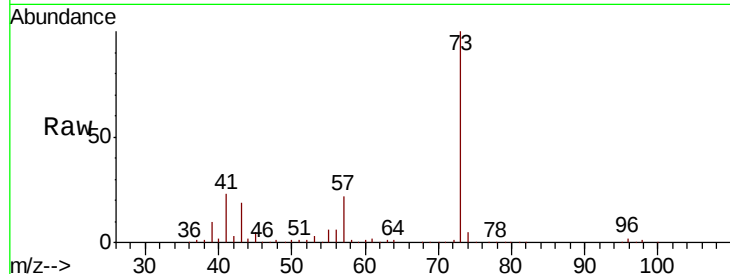




#19
Methyl tert-butyl Ether
Concen: 21.73 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

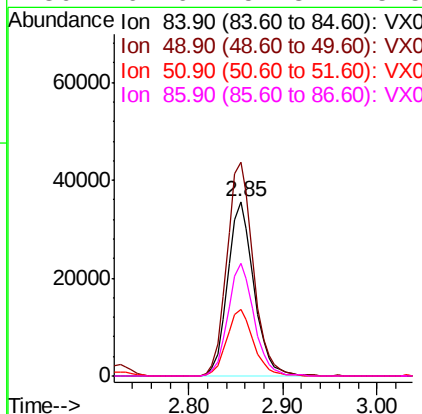
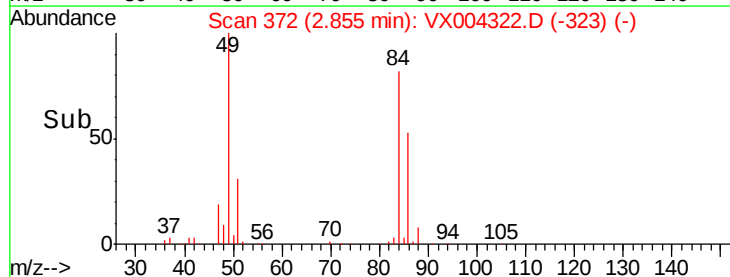
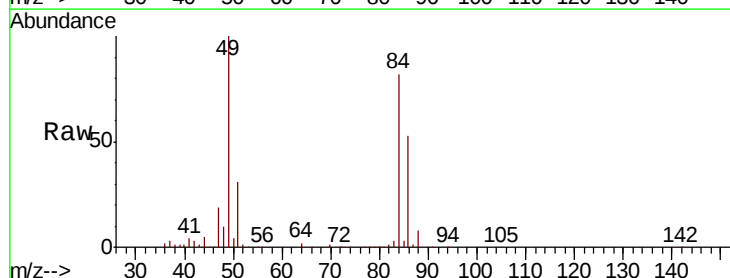
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

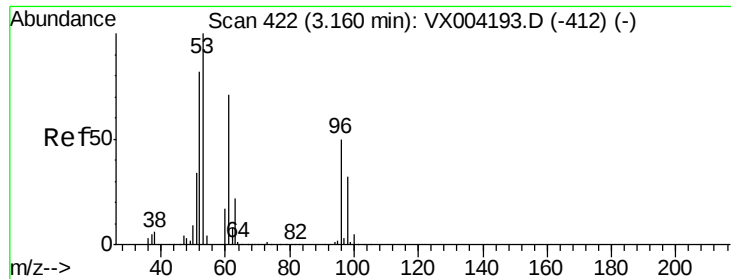
Tot Ion: 73 Resp: 201912
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7



#20
Methylene Chloride
Concen: 20.59 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 84 Resp: 68733
Ion Ratio Lower Upper
84 100
49 122.2 101.2 151.8
51 38.4 29.5 44.3
86 64.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.72 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampled :

VX0830WBS01

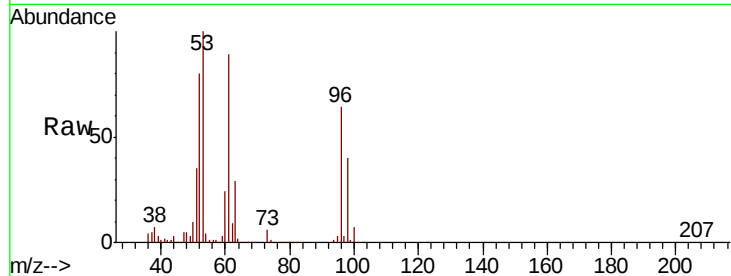
Tot Ion: 96 Resp: 58424

Ion Ratio Lower Upper

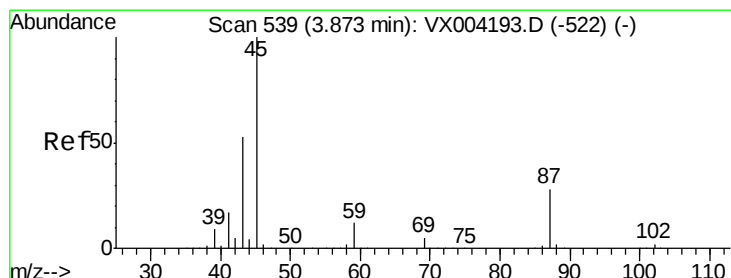
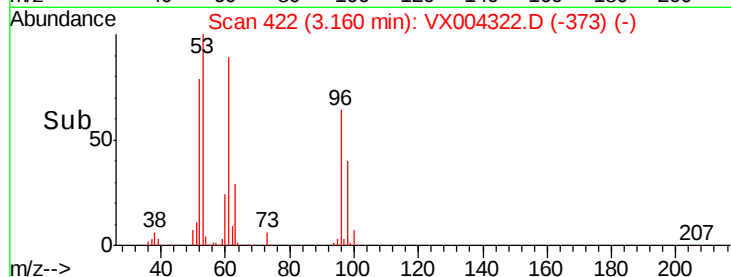
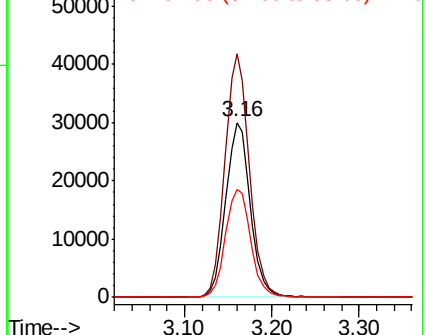
96 100

61 139.2 113.8 170.6

98 61.8 51.8 77.8



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



#22

Diisopropyl ether

Concen: 22.02 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion: 45 Resp: 212912

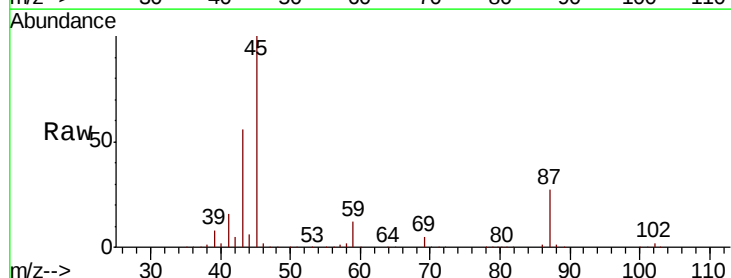
Ion Ratio Lower Upper

45 100

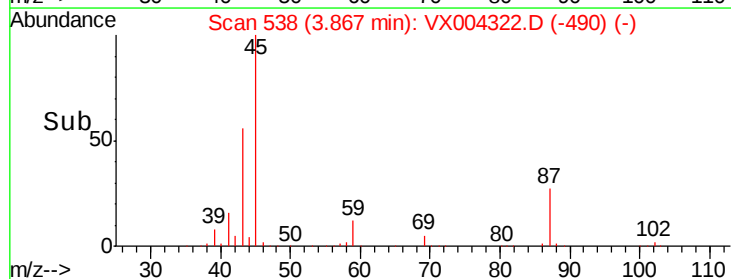
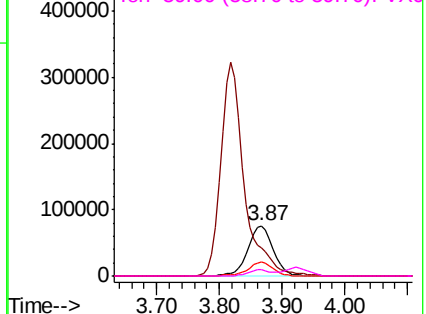
43 56.2 42.8 64.2

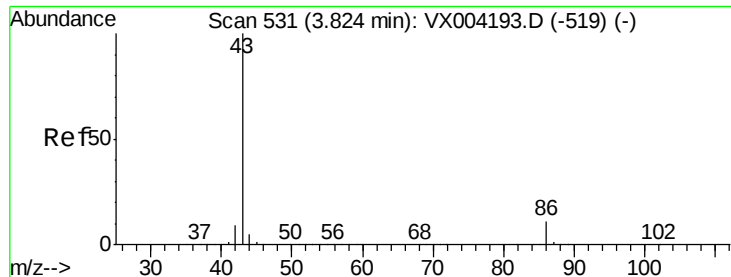
87 27.1 22.6 34.0

59 11.8 9.6 14.4



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





#23

Vinyl Acetate

Concen: 106.46 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

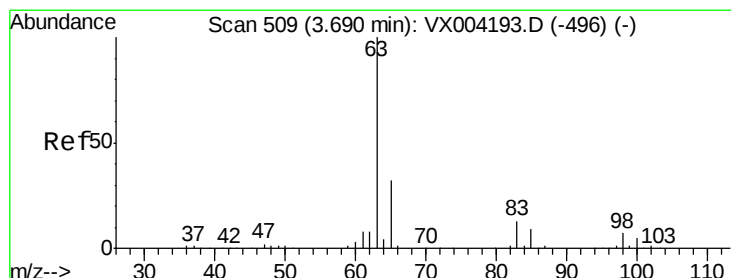
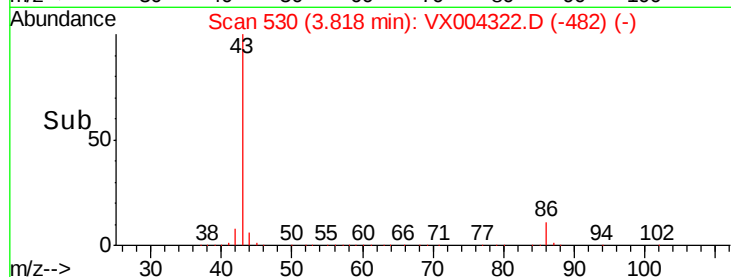
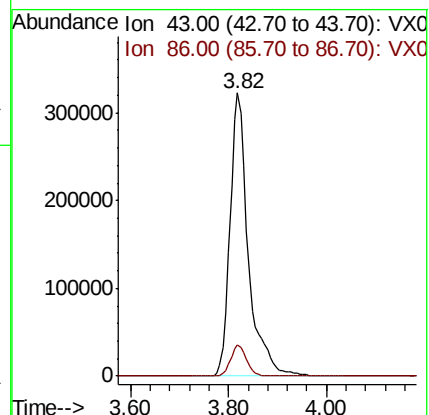
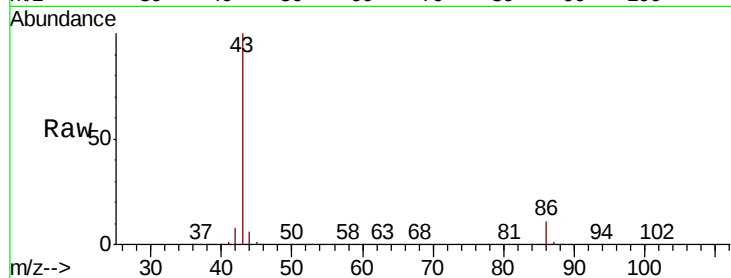
VX0830WBS01

Tot Ion: 43 Resp: 834376

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3



#24

1,1-Dichloroethane

Concen: 20.68 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

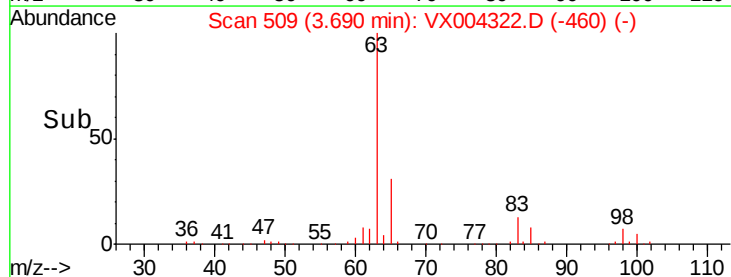
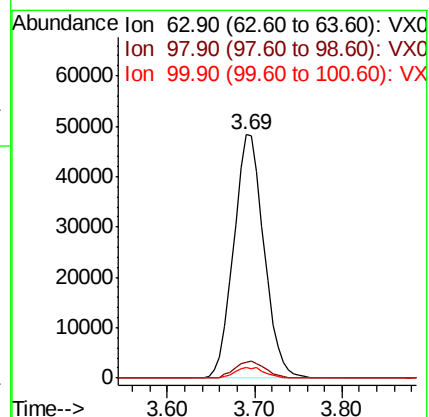
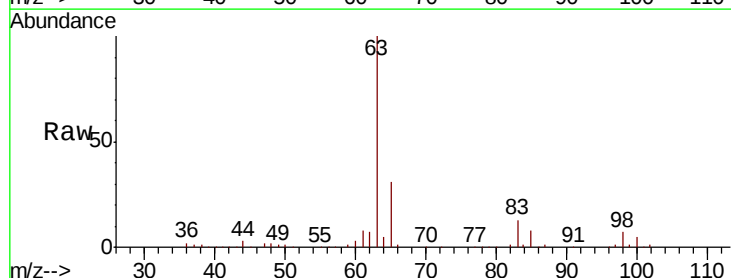
Tgt Ion: 63 Resp: 116547

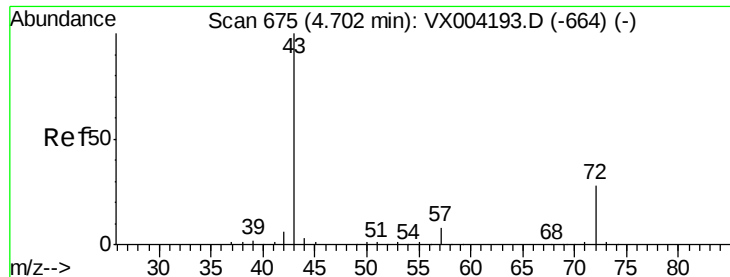
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 109.53 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampled :

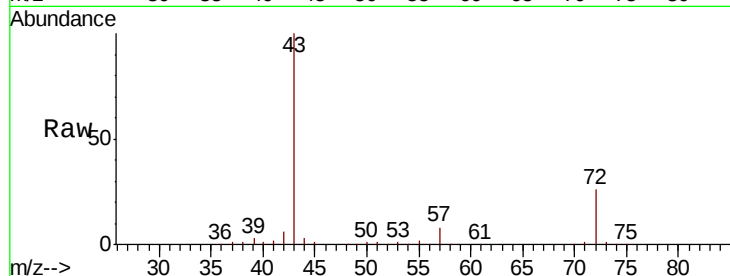
VX0830WBS01

Tot Ion: 43 Resp: 258273

Ion Ratio Lower Upper

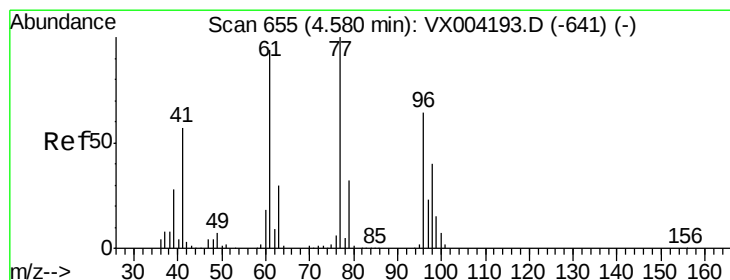
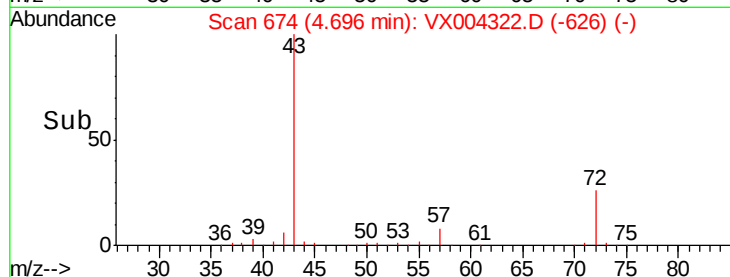
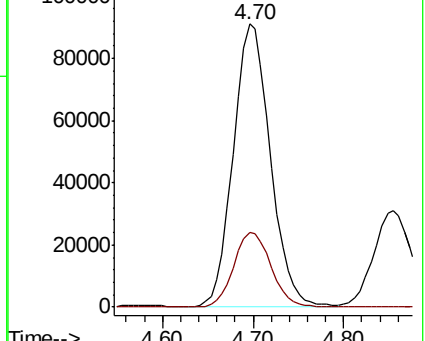
43 100

72 26.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.72 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004322.D

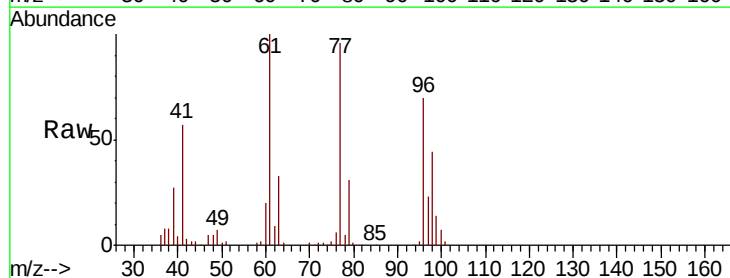
Acq: 30 Aug 2018 15:37

Tgt Ion: 77 Resp: 87146

Ion Ratio Lower Upper

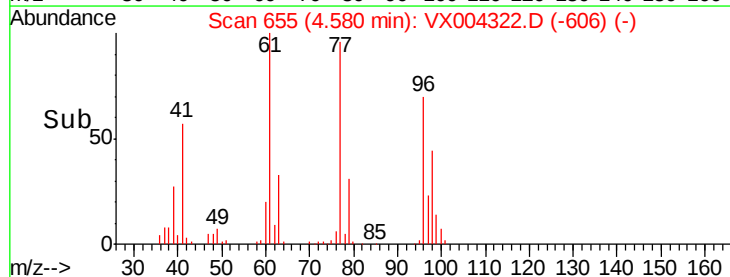
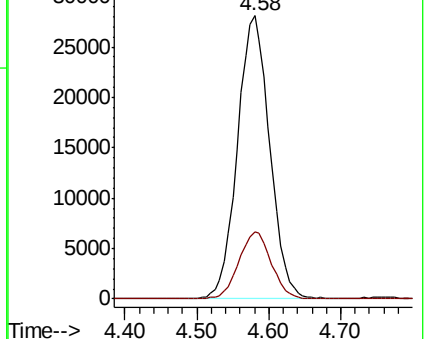
77 100

97 23.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



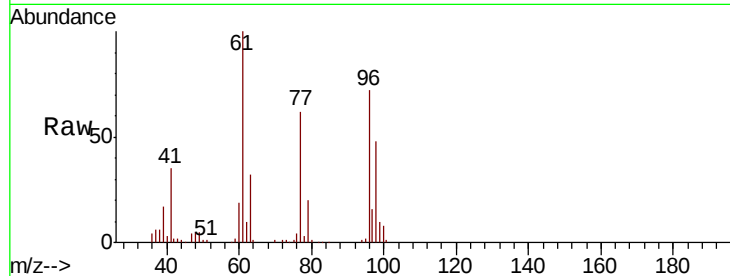


#27

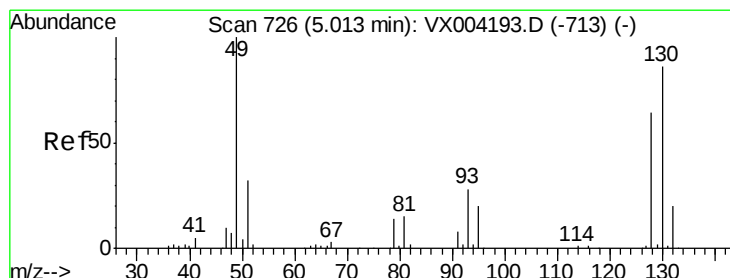
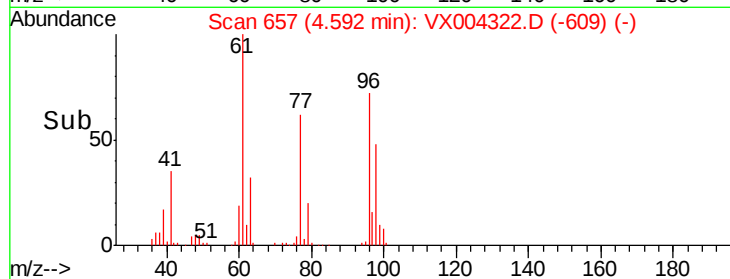
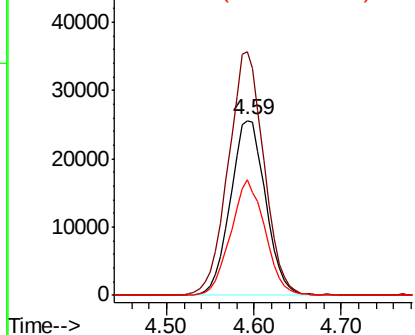
cis-1,2-Dichloroethene
Concen: 20.25 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion: 96 Resp: 71652
Ion Ratio Lower Upper
96 100
61 141.0 0.0 282.6
98 64.3 0.0 130.2



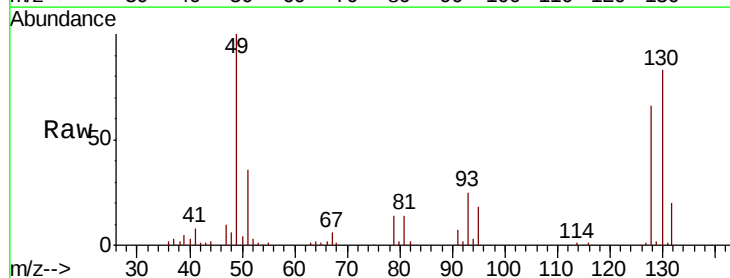
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



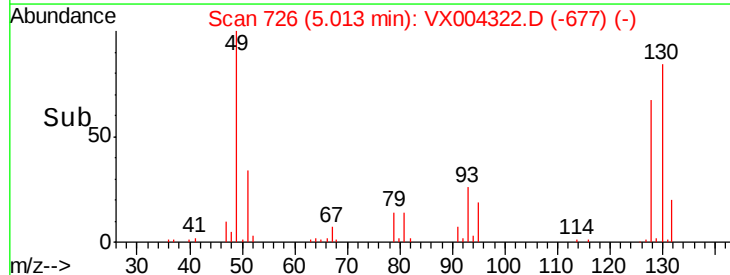
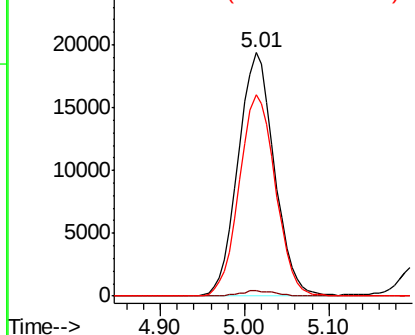
#28

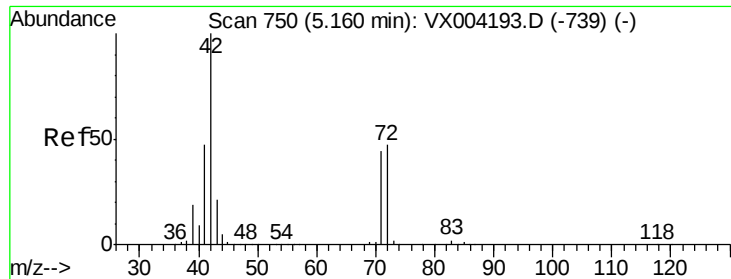
Bromochloromethane
Concen: 22.61 ug/l
RT: 5.01 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 49 Resp: 56420
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.2
130 82.7 67.5 101.3



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: 106.32 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

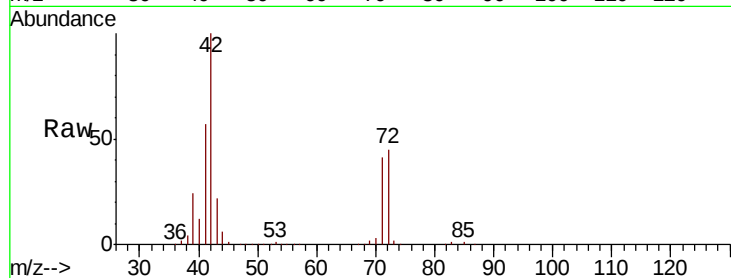
Tot Ion: 42 Resp: 158432

Ion Ratio Lower Upper

42 100

72 45.6 37.4 56.0

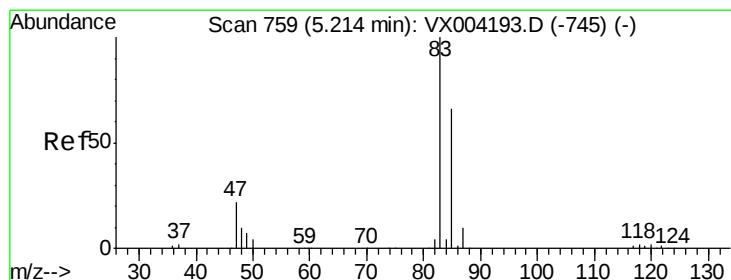
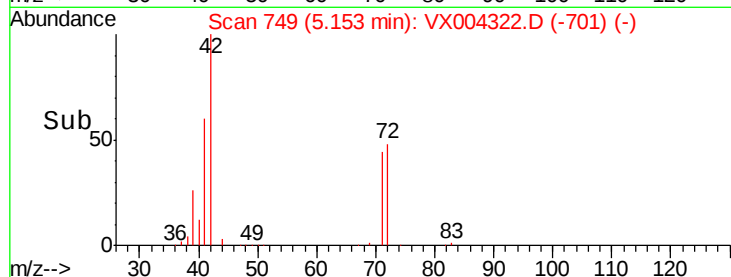
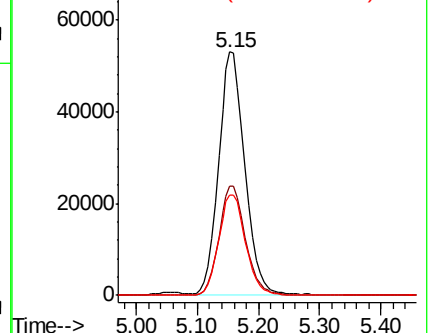
71 42.4 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 20.66 ug/l

RT: 5.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX004322.D

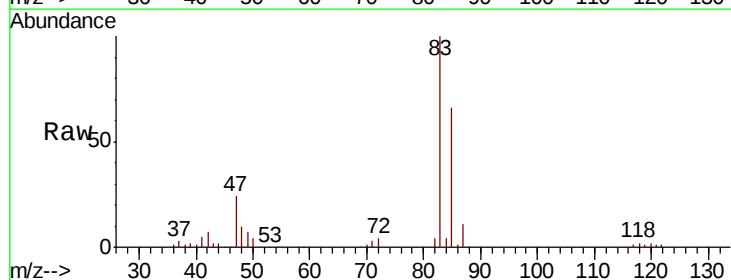
Acq: 30 Aug 2018 15:37

Tgt Ion: 83 Resp: 116716

Ion Ratio Lower Upper

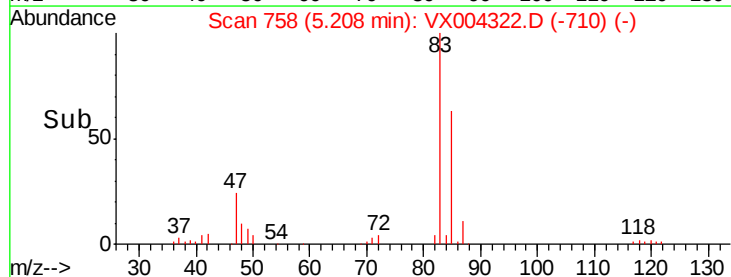
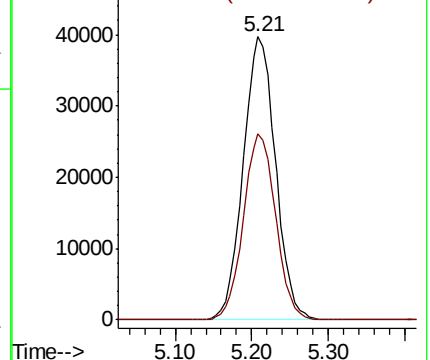
83 100

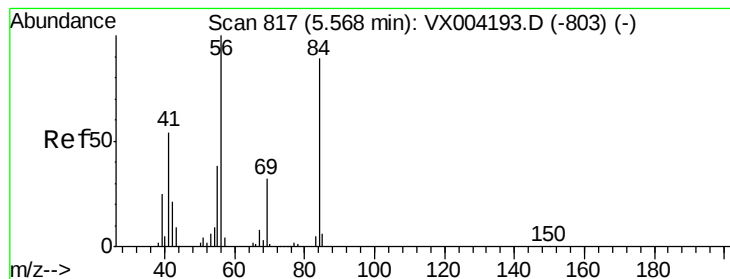
85 65.9 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 17.20 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

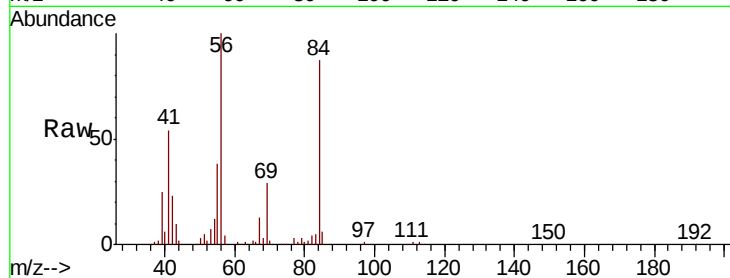
Tot Ion: 56 Resp: 83625

Ion Ratio Lower Upper

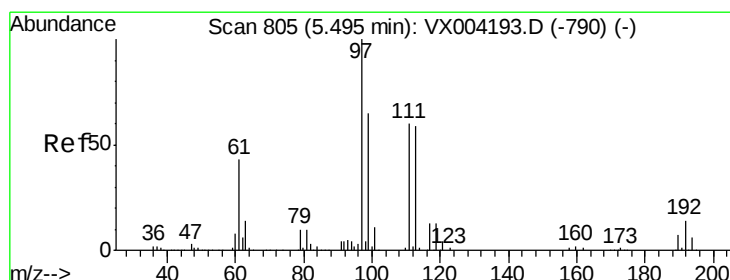
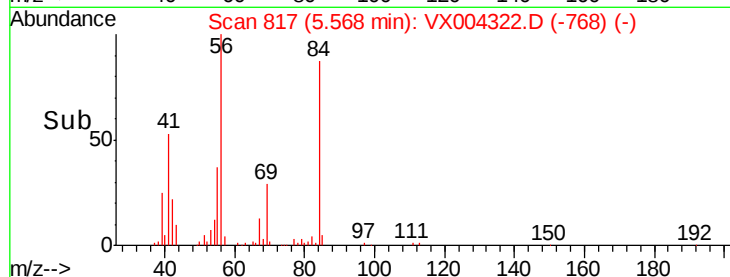
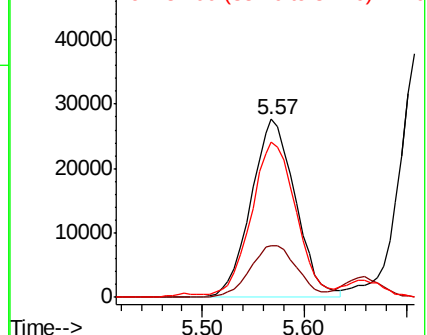
56 100

69 28.9 25.4 38.2

84 85.8 71.4 107.2



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



#32

1,1,1-Trichloroethane

Concen: 19.23 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

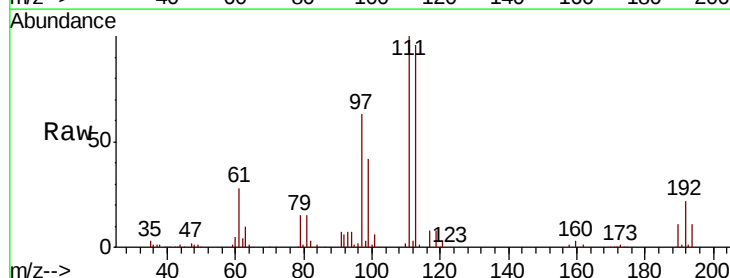
Tgt Ion: 97 Resp: 90628

Ion Ratio Lower Upper

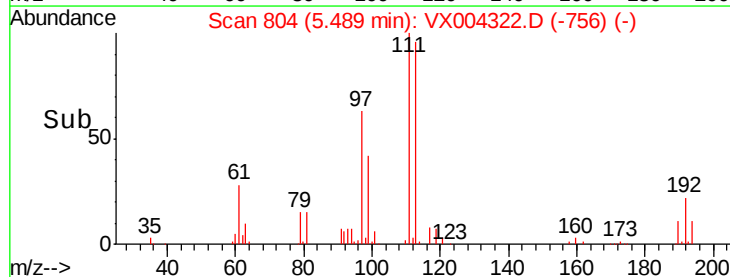
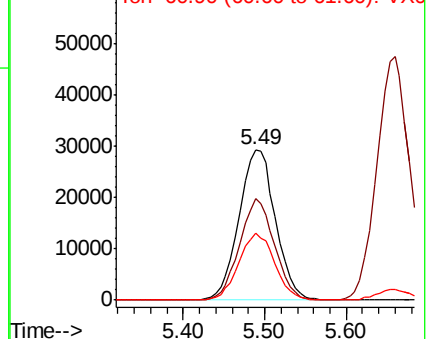
97 100

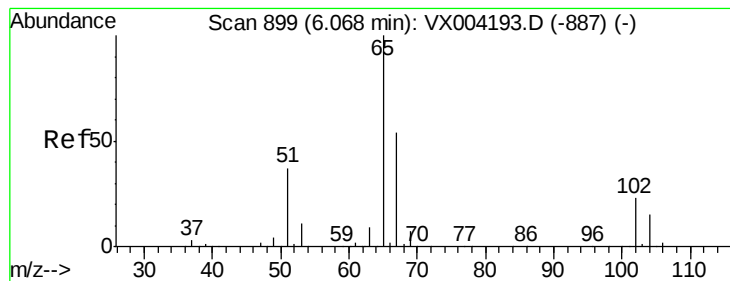
99 64.6 52.0 78.0

61 44.1 34.9 52.3



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





#33

1,2-Dichloroethane-d4

Concen: 50.53 ug/l

RT: 6.06 min Scan# 898

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

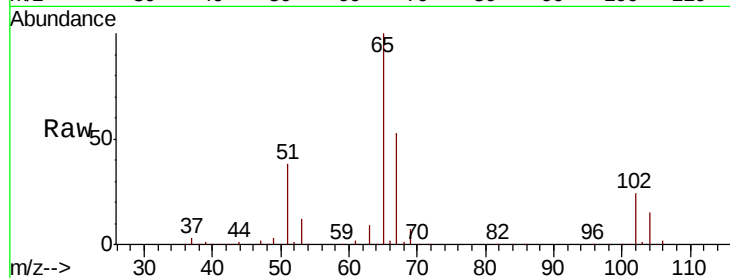
VX0830WBS01

Tot Ion: 65 Resp: 175263

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

80000

60000

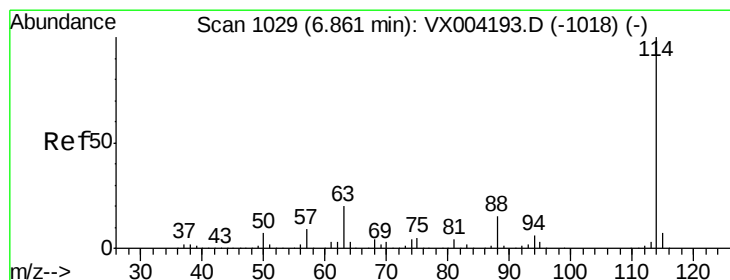
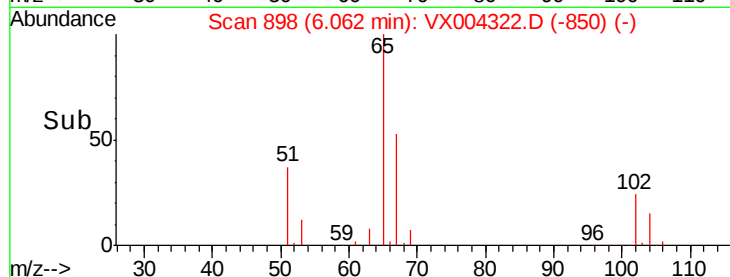
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

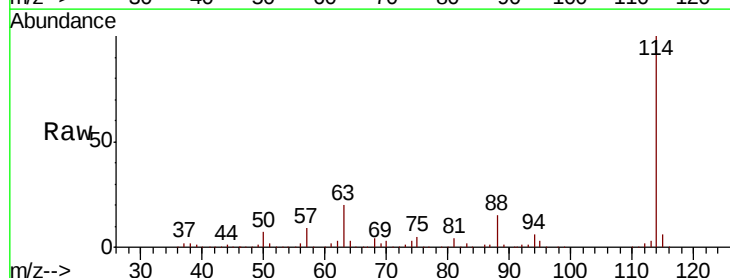
Tgt Ion: 114 Resp: 393133

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

88 15.1 0.0 30.4



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

6.86

200000

150000

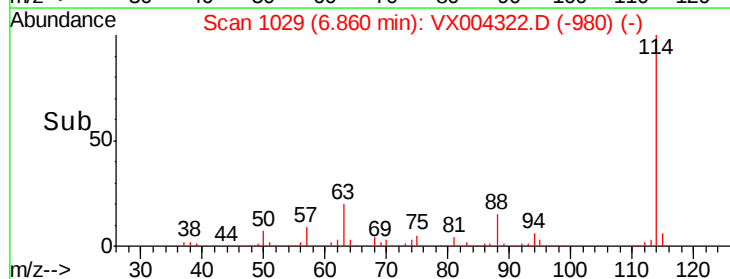
100000

50000

0

Time-->

6.70 6.80 6.90 7.00 7.10

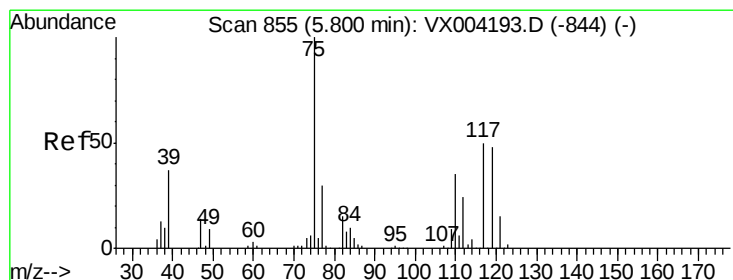
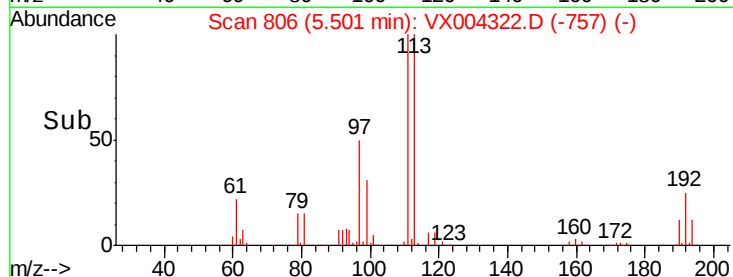
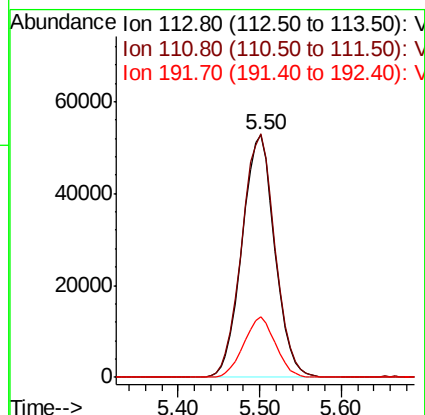
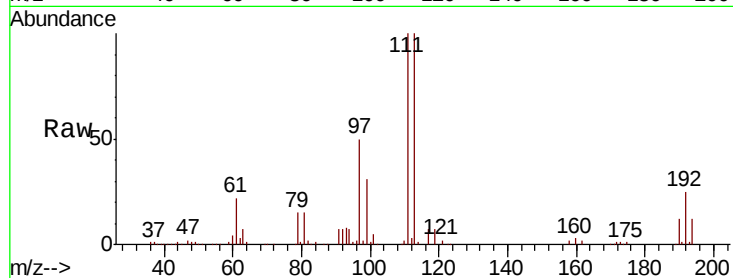




#35
 Dibromofluoromethane
 Concen: 50.29 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

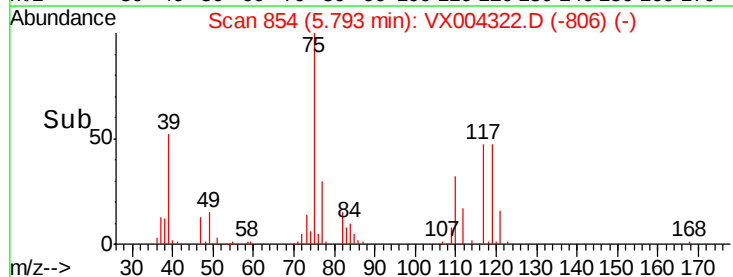
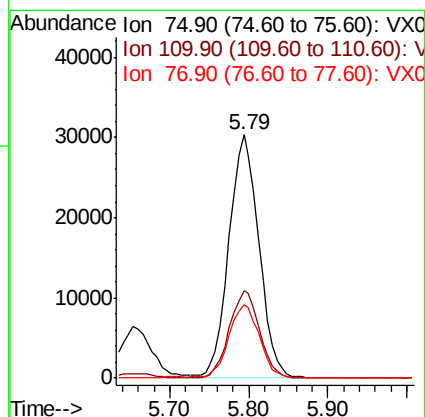
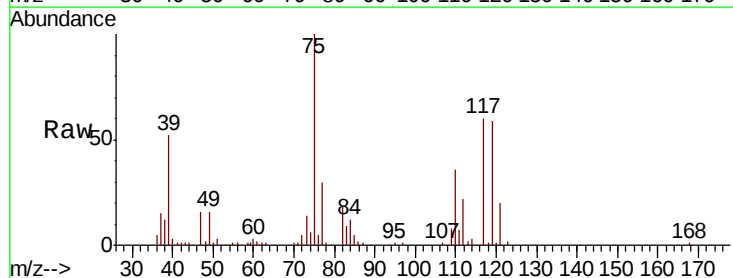
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

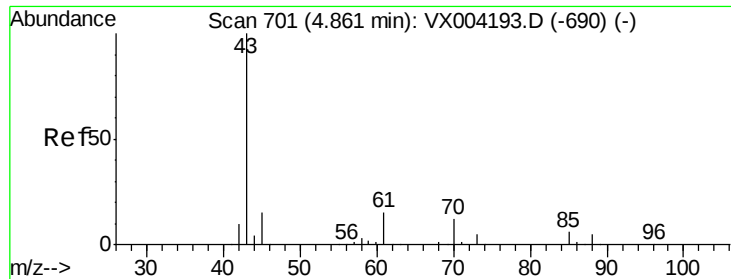
Tot Ion:113 Resp: 147078
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 24.3 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 18.24 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion: 75 Resp: 80636
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.0 54.0
 77 30.5 24.6 36.8

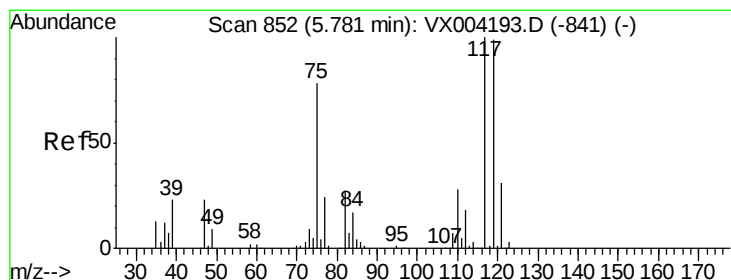
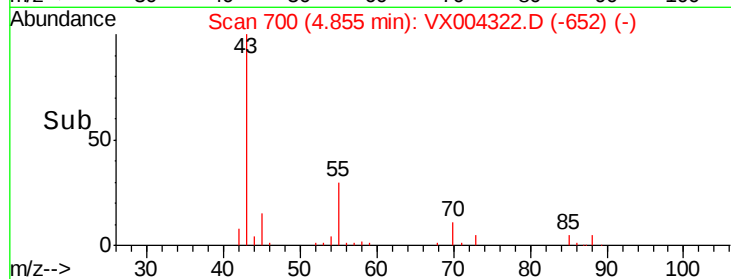
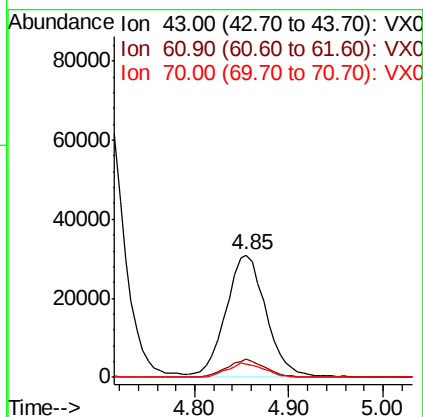
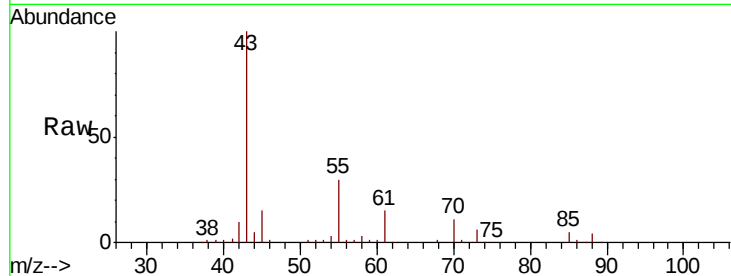




#37
Ethyl Acetate
Concen: 20.83 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

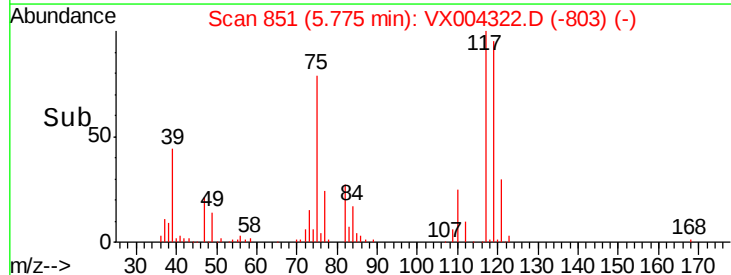
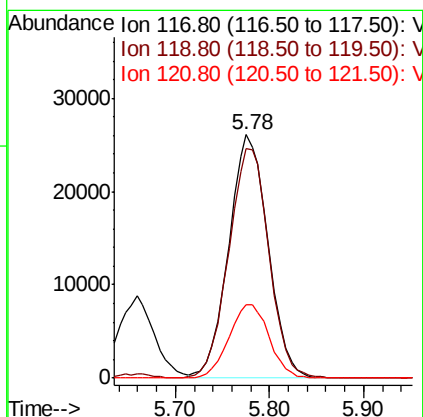
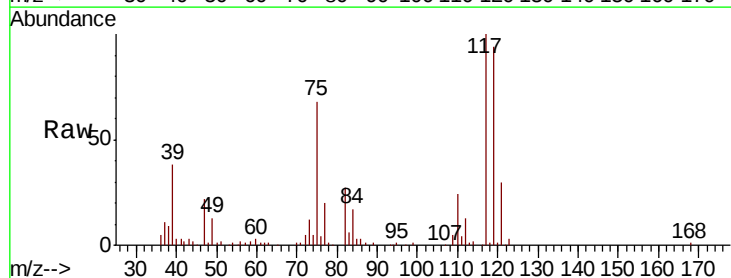
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion: 43 Resp: 90532
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 11.2 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.21 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 117 Resp: 75698
Ion Ratio Lower Upper
117 100
119 94.3 78.8 118.2
121 30.2 24.9 37.3

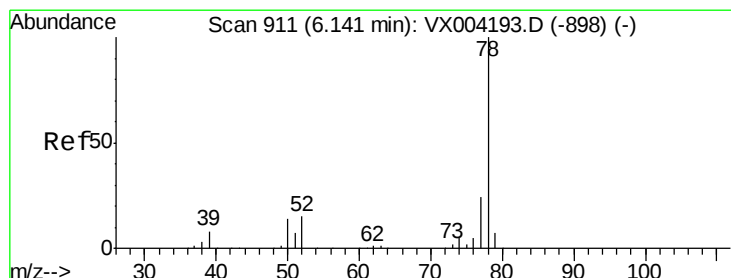
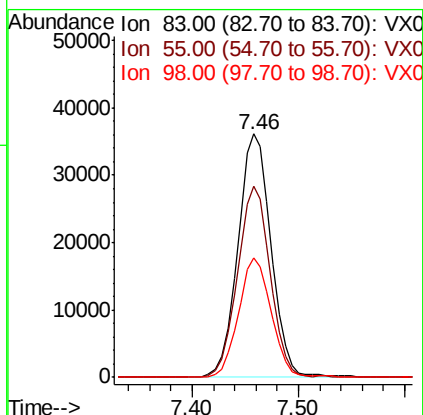
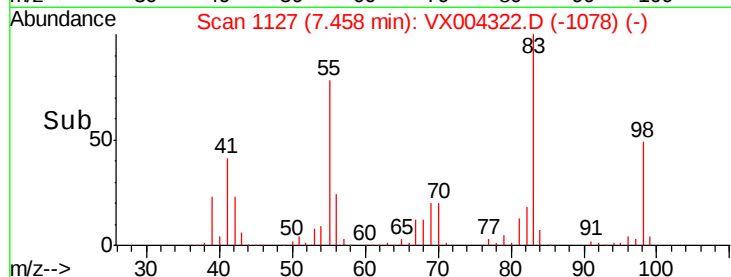
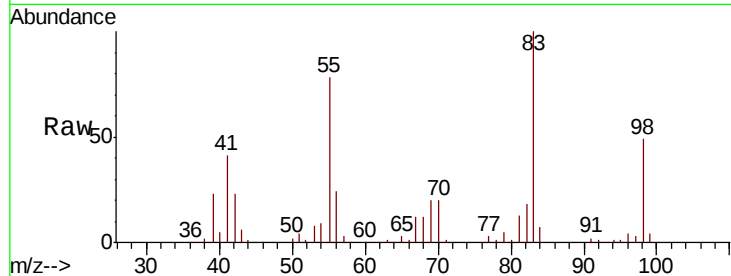




#39
Methvlcvclohexane
Concen: 15.63 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

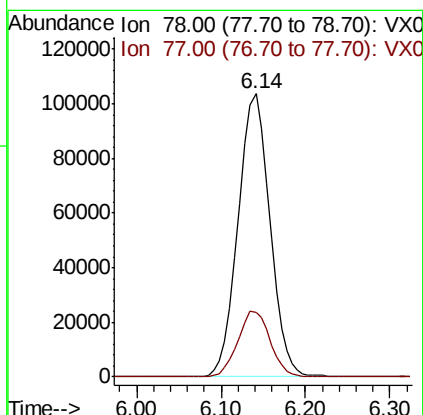
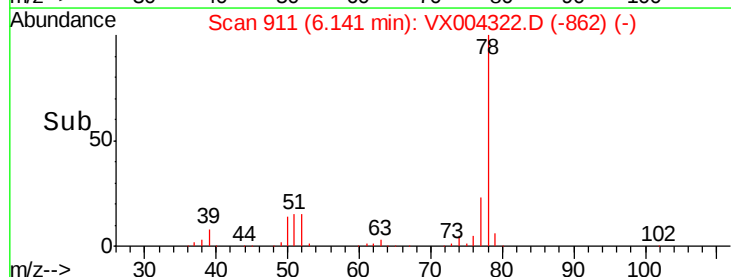
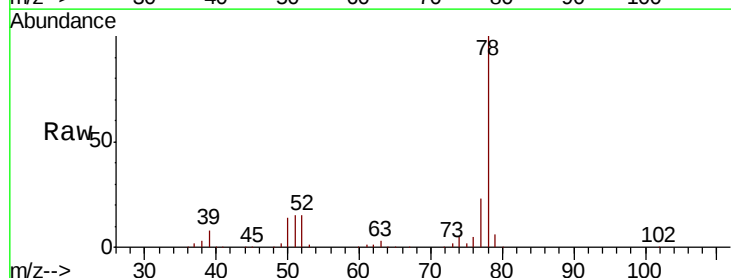
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

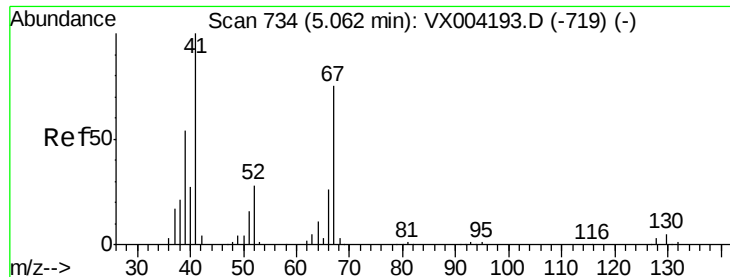
Tot Ion: 83 Resp: 78856
Ion Ratio Lower Upper
83 100
55 78.5 61.0 91.4
98 48.8 39.6 59.4



#40
Benzene
Concen: 20.10 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 78 Resp: 265422
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4





#41

Methacrylonitrile

Concen: 21.37 ug/l

RT: 5.05 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

Tot Ion: 41 Resp: 53831

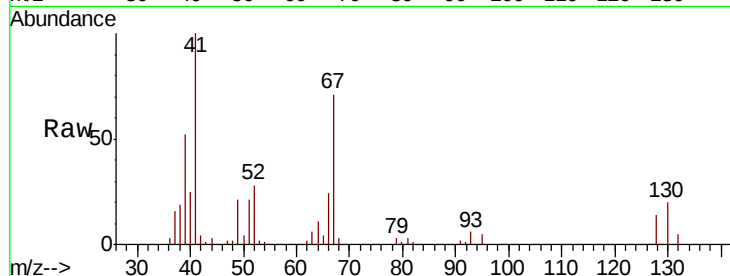
Ion Ratio Lower Upper

41 100

39 54.0 42.4 63.6

67 73.9 59.2 88.8

52 28.3 23.0 34.4

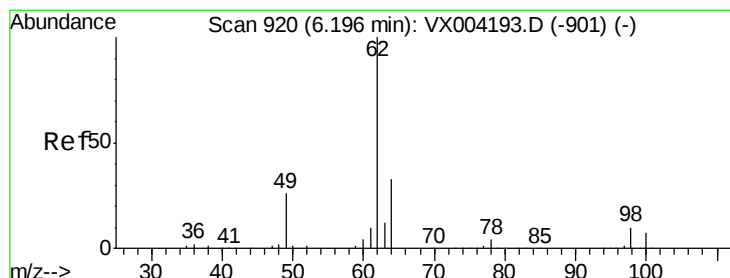
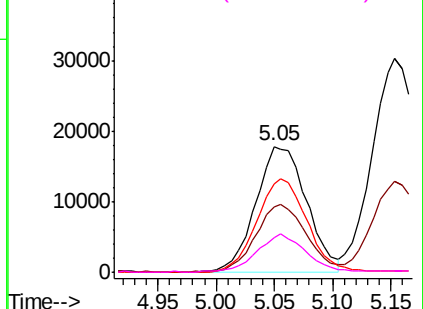
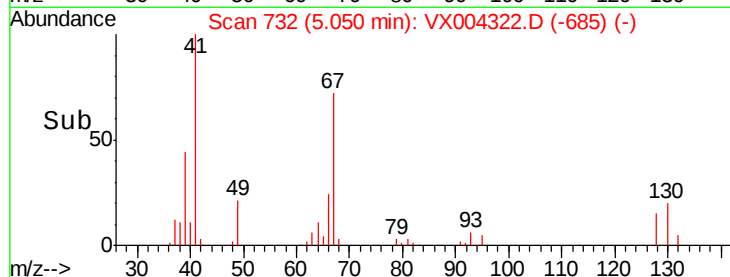


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.93 ug/l

RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

Lab File: VX004322.D

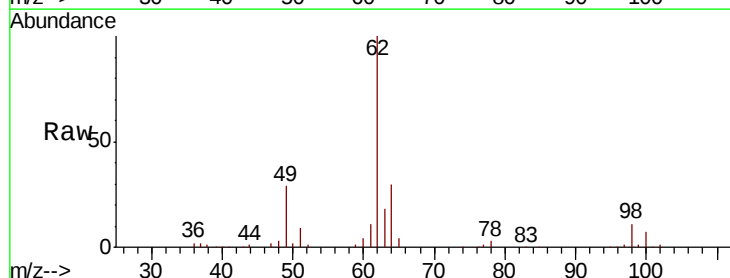
Acq: 30 Aug 2018 15:37

Tgt Ion: 62 Resp: 94264

Ion Ratio Lower Upper

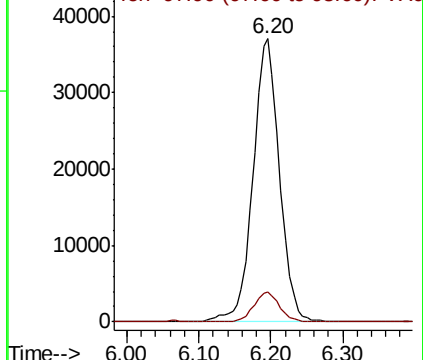
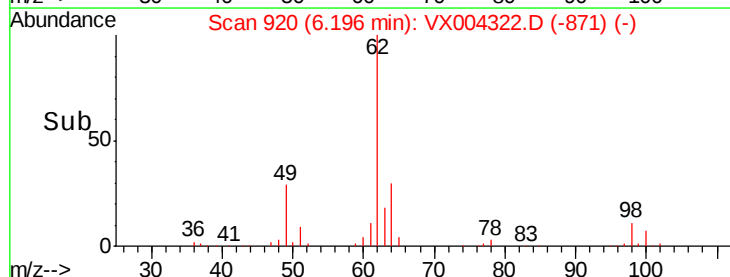
62 100

98 10.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



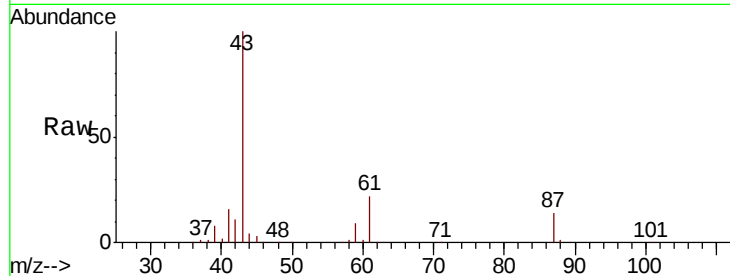


#43

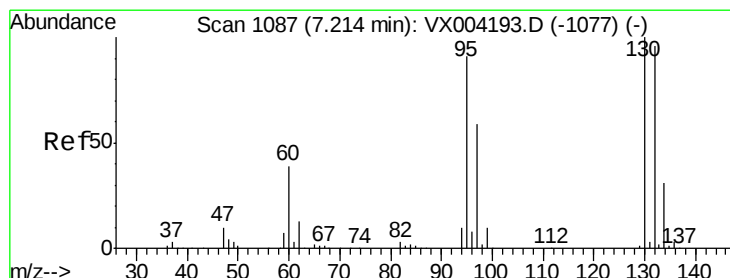
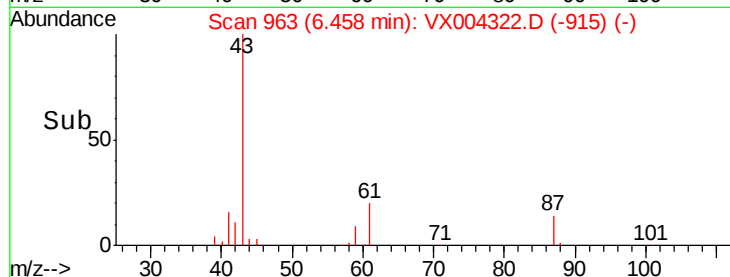
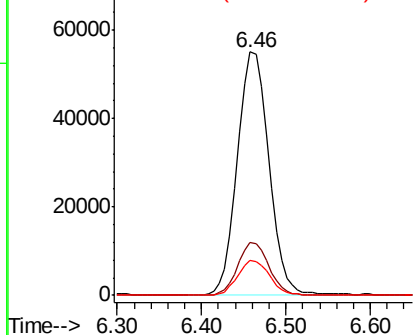
Isopropyl Acetate
 Concen: 20.97 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	43	Resp	140053
Ion Ratio	Lower	Upper	
43	100		
61	21.3	17.0	25.4
87	14.3	11.4	17.2



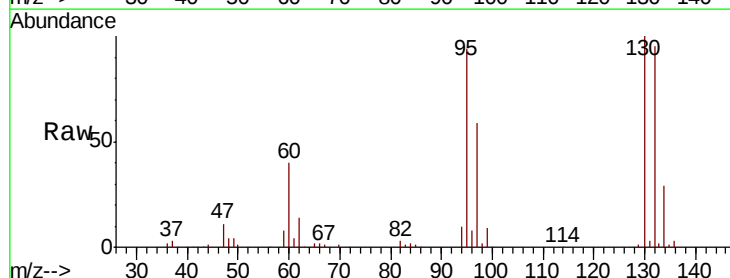
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



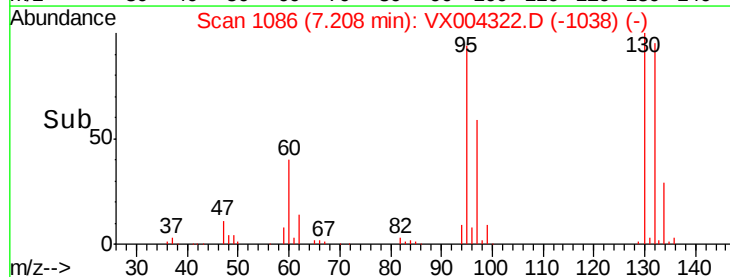
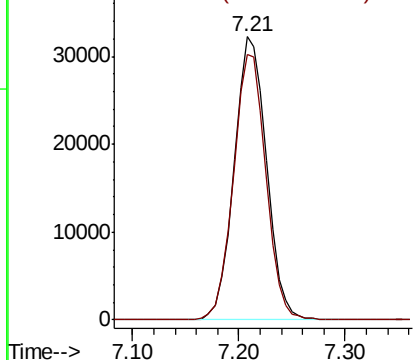
#44

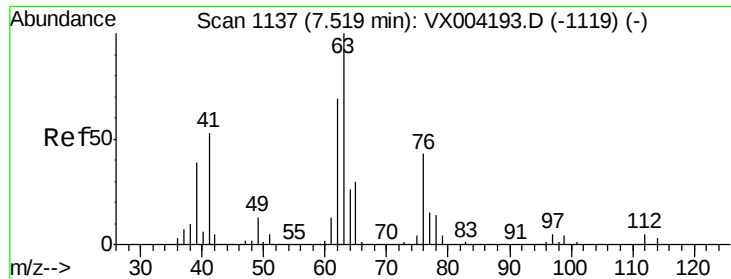
Trichloroethene
 Concen: 18.86 ug/l
 RT: 7.21 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	130	Resp	68938
Ion Ratio	Lower	Upper	
130	100		
95	94.0	0.0	181.6



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





#45

1,2-Dichloropropane

Concen: 20.97 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

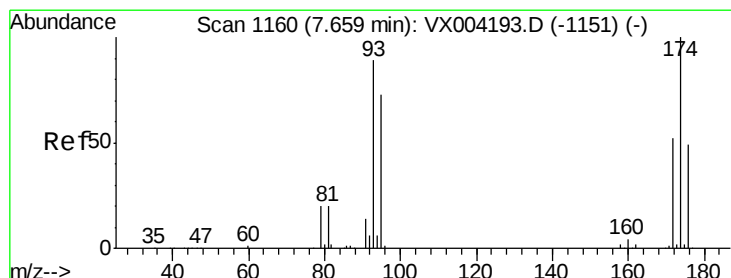
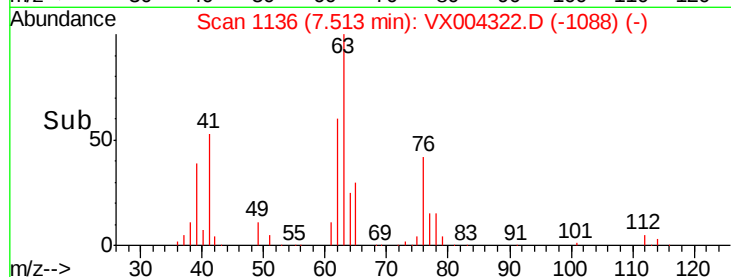
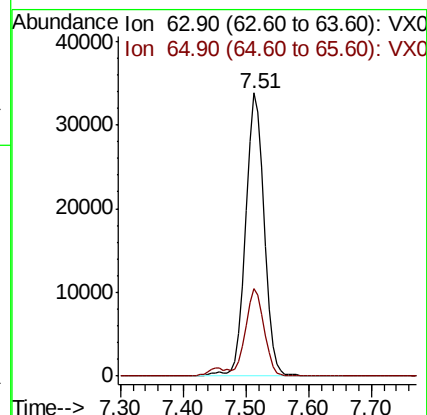
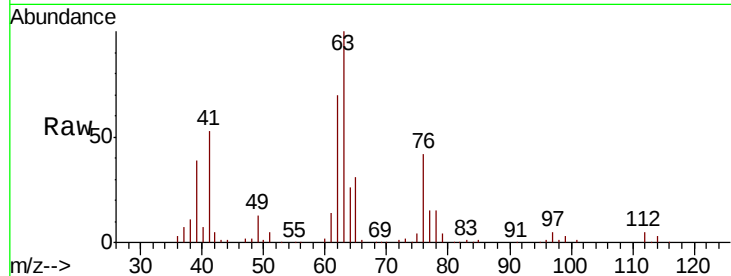
VX0830WBS01

Tot Ion: 63 Resp: 69326

Ion Ratio Lower Upper

63 100

65 31.1 24.3 36.5



#46

Dibromomethane

Concen: 20.62 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

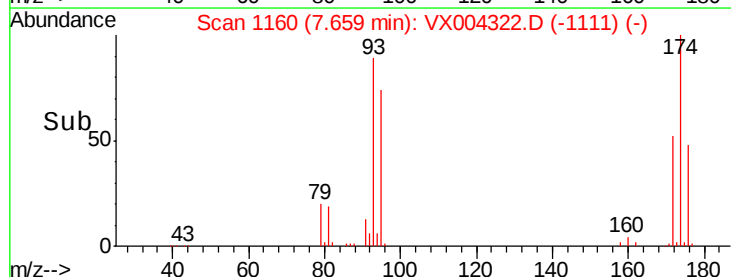
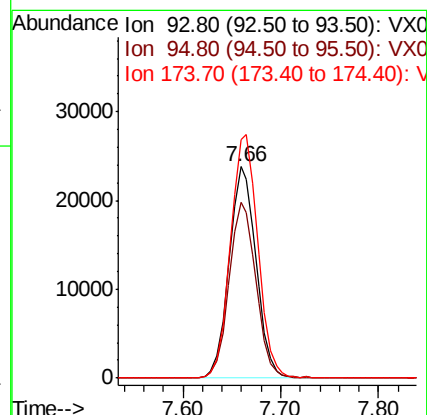
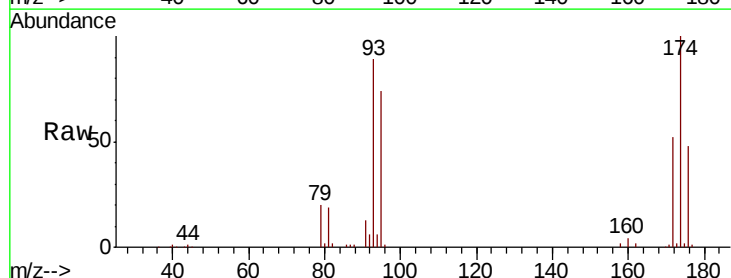
Tgt Ion: 93 Resp: 45379

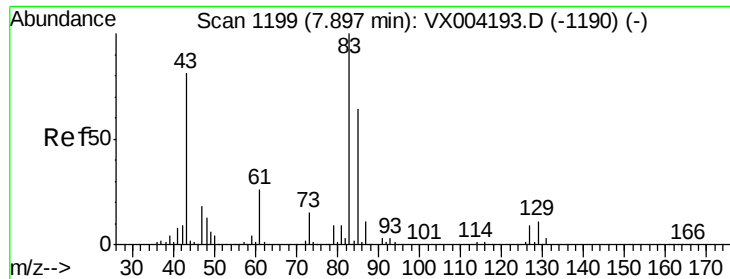
Ion Ratio Lower Upper

93 100

95 83.3 65.5 98.3

174 117.2 94.2 141.4





#47

Bromodichloromethane

Concen: 20.66 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

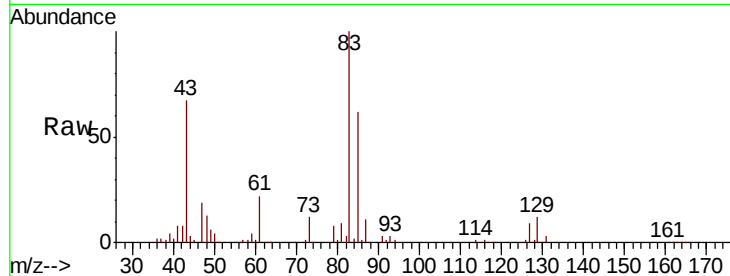
Tot Ion: 83 Resp: 84603

Ion Ratio Lower Upper

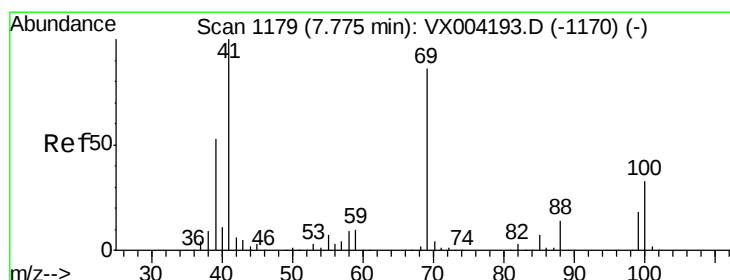
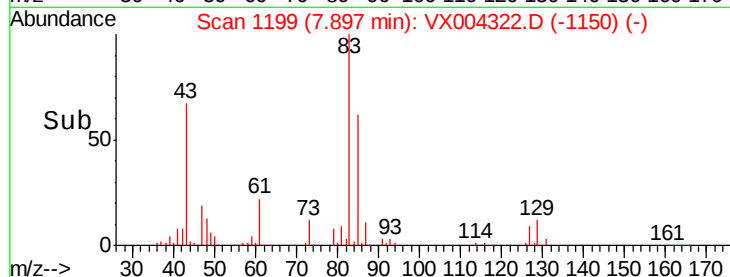
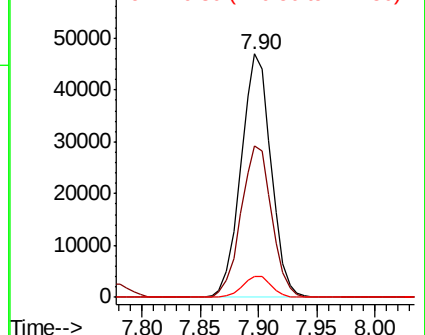
83 100

85 62.5 50.9 76.3

127 8.6 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.02 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

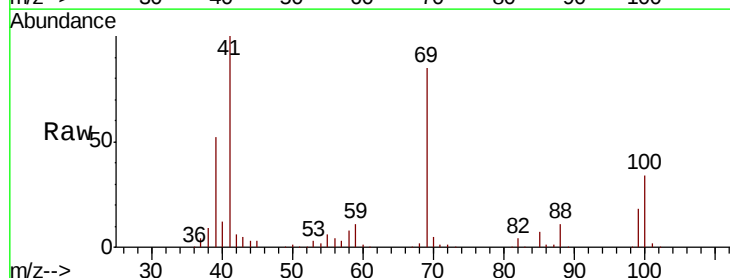
Tgt Ion: 41 Resp: 75112

Ion Ratio Lower Upper

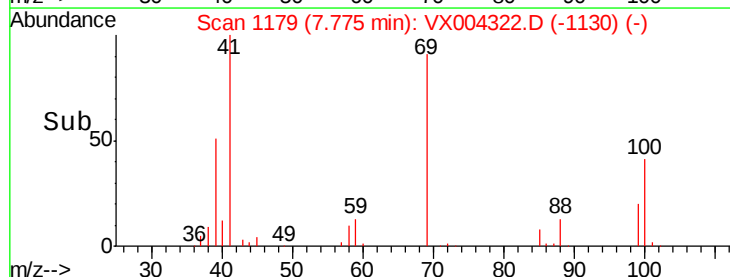
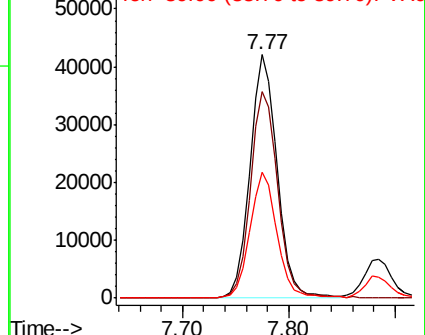
41 100

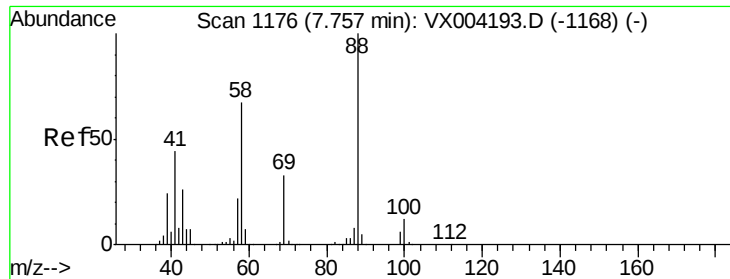
69 86.2 70.2 105.4

39 51.8 42.7 64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 394.65 ug/l

RT: 7.75 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampled :

VX0830WBS01

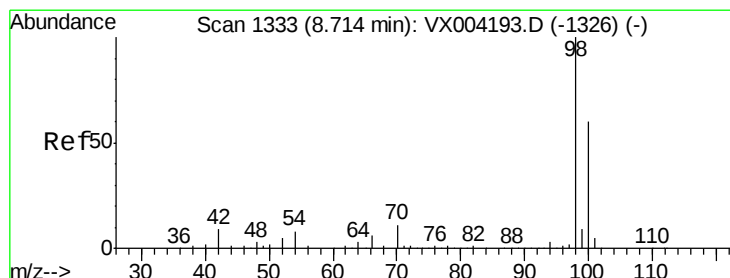
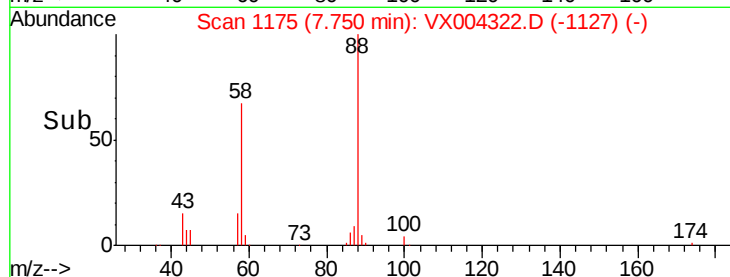
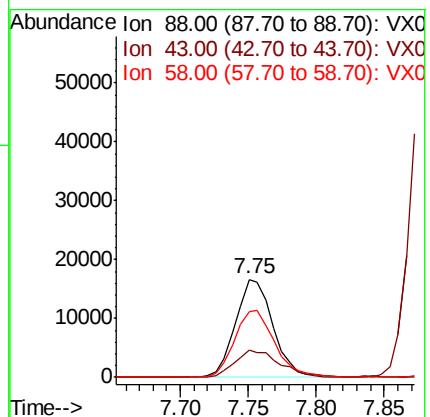
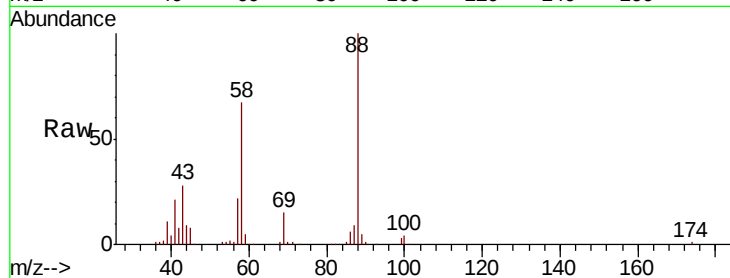
Tot Ion: 88 Resp: 32023

Ion Ratio Lower Upper

88 100

43 31.7 24.7 37.1

58 73.1 55.3 82.9



#50

Toluene-d8

Concen: 49.34 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004322.D

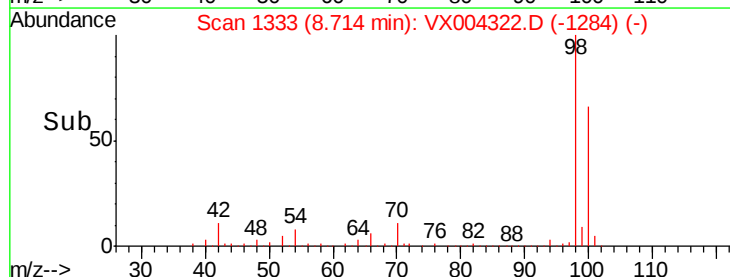
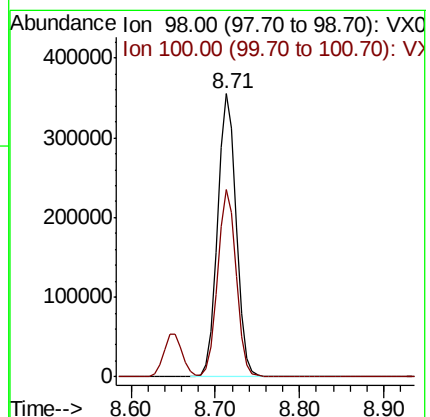
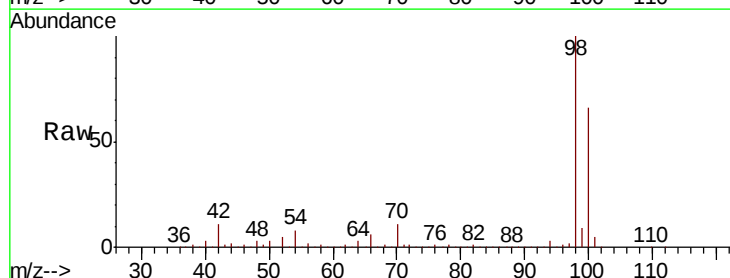
Acq: 30 Aug 2018 15:37

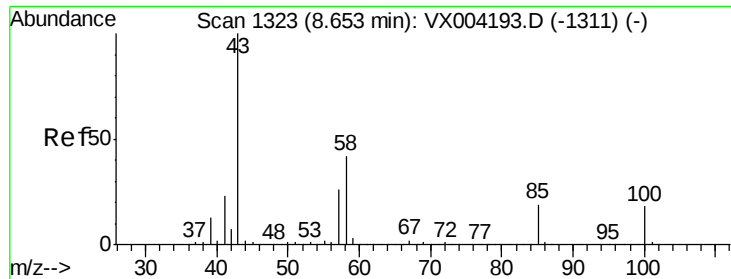
Tgt Ion: 98 Resp: 544652

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 101.35 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

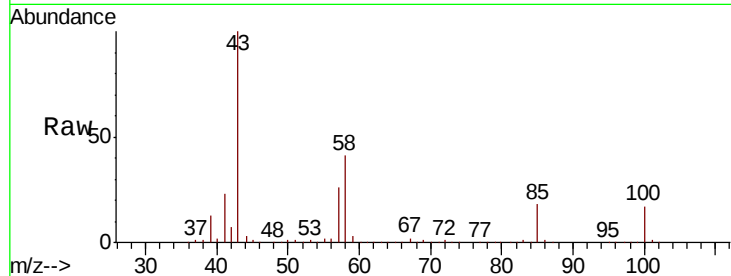
VX0830WBS01

Tot Ion: 43 Resp: 491840

Ion Ratio Lower Upper

43 100

58 40.7 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

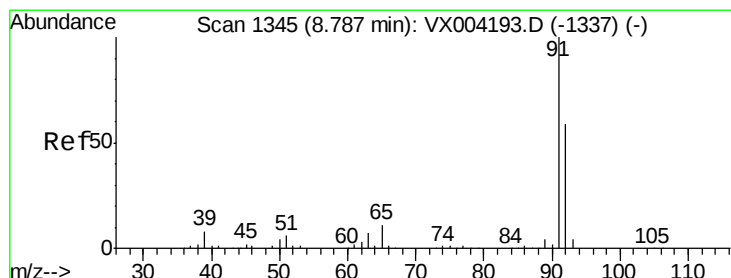
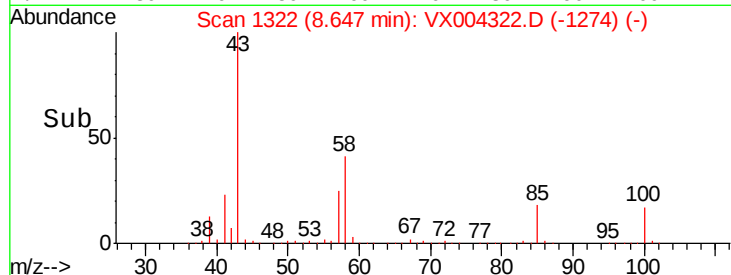
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.31 ug/l

RT: 8.78 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VX004322.D

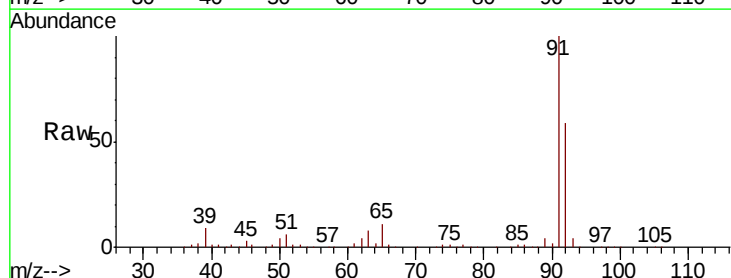
Acq: 30 Aug 2018 15:37

Tgt Ion: 92 Resp: 167900

Ion Ratio Lower Upper

92 100

91 169.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

200000

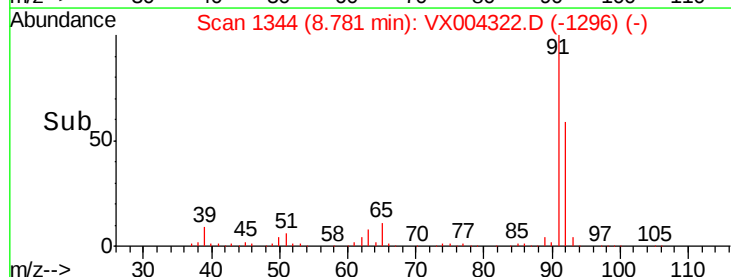
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.48 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

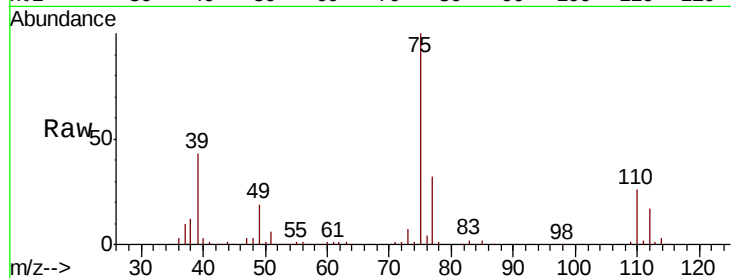
VX0830WBS01

Tot Ion: 75 Resp: 92641

Ion Ratio Lower Upper

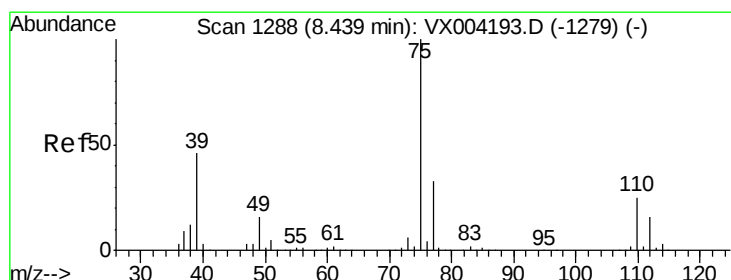
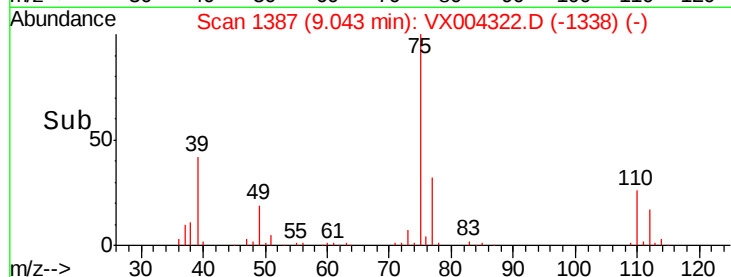
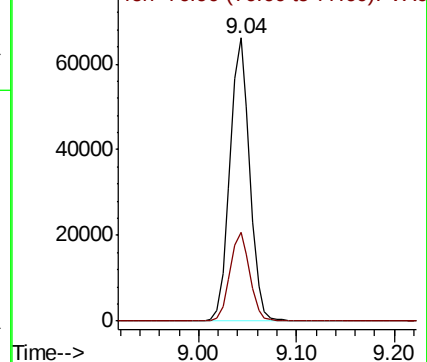
75 100

77 31.5 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 21.13 ug/l

RT: 8.43 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

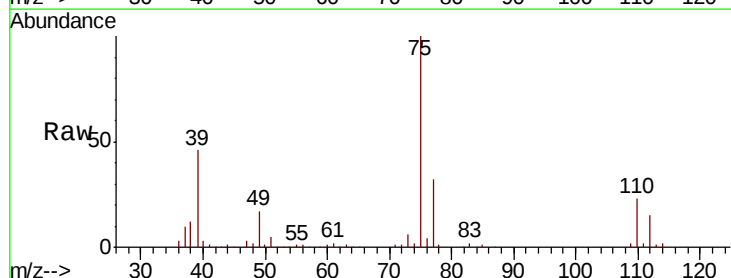
Tgt Ion: 75 Resp: 104083

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

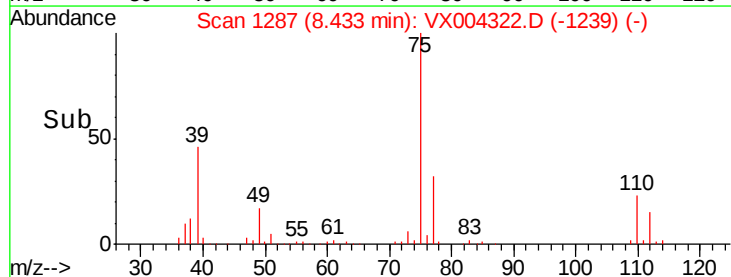
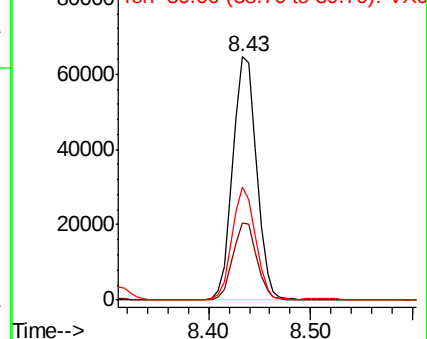
39 46.2 36.4 54.6

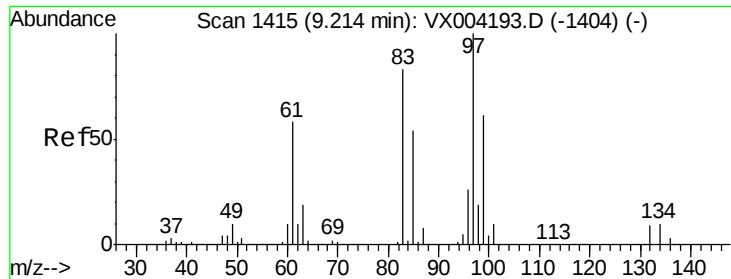


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

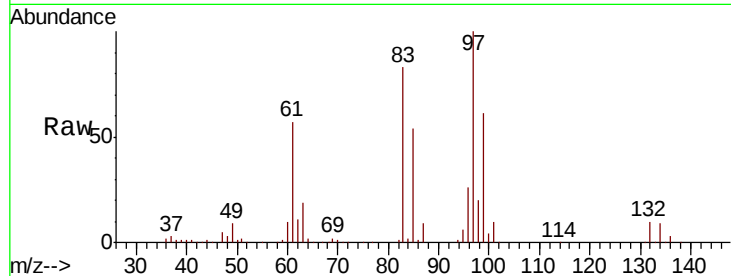




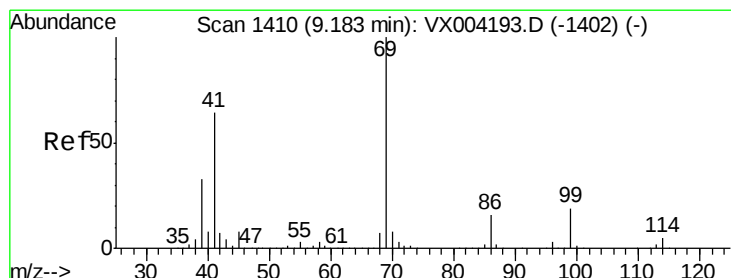
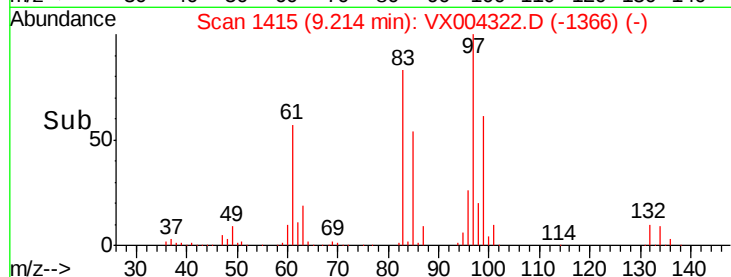
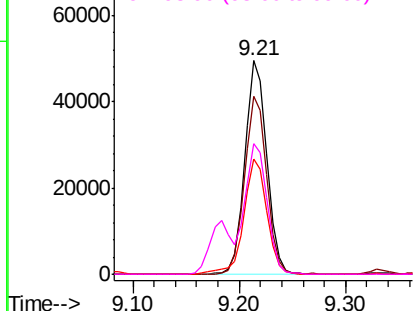
#55
 1,1,2-Trichloroethane
 Concen: 21.54 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion:	97	Resp:	71884
Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.4	99.6
85	54.2	43.3	64.9
99	61.3	49.0	73.4

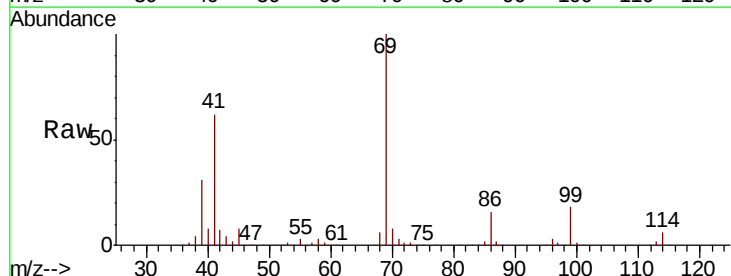


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

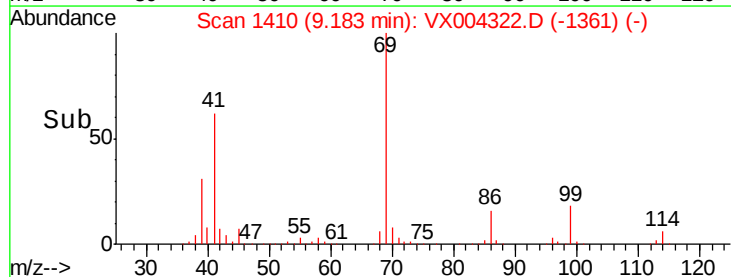
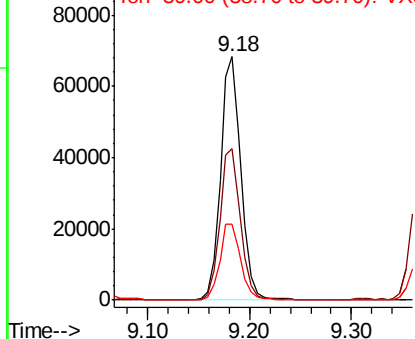


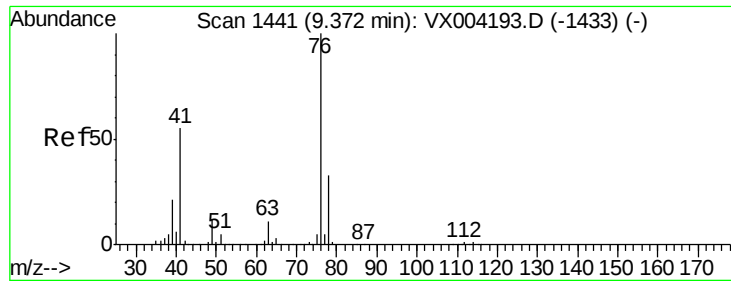
#56
 Ethyl methacrylate
 Concen: 20.90 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion:	69	Resp:	94937
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.0	76.4
39	32.2	26.1	39.1



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: 21.45 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

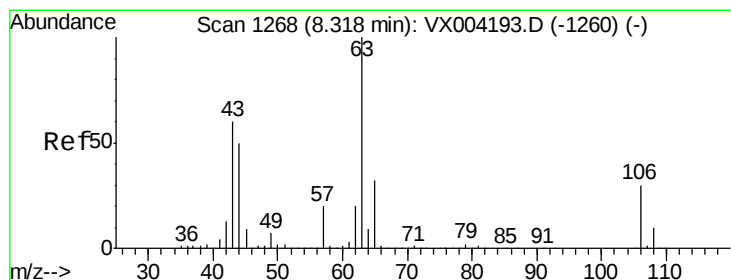
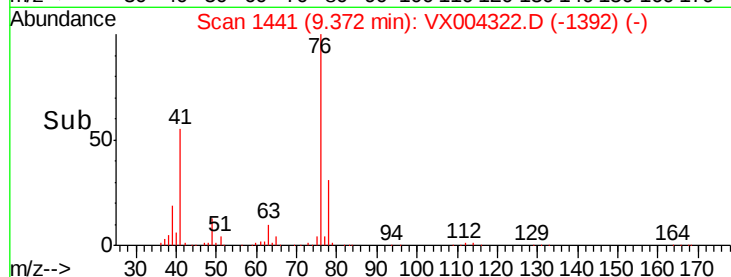
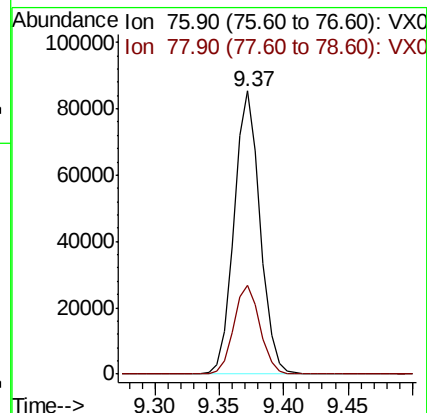
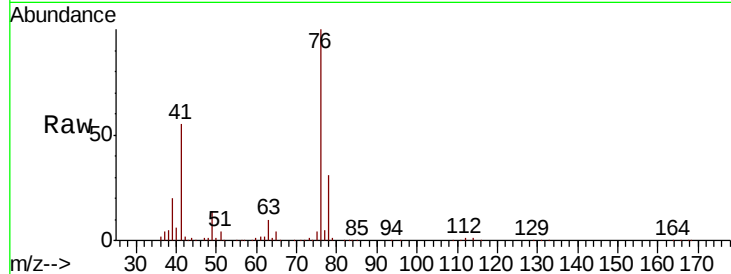
VX0830WBS01

Tot Ion: 76 Resp: 120680

Ion Ratio Lower Upper

76 100

78 31.8 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 114.63 ug/l

RT: 8.31 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VX004322.D

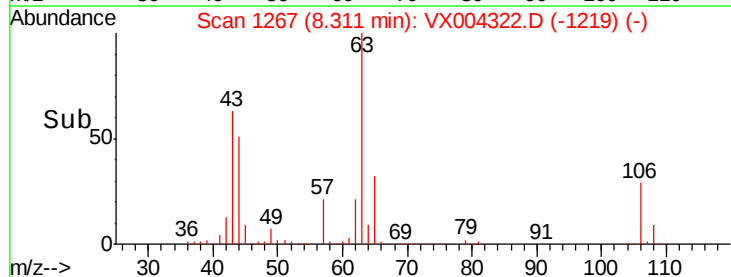
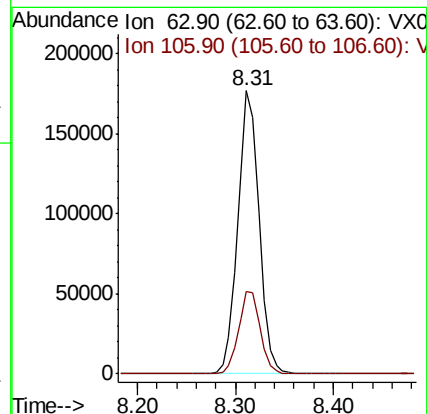
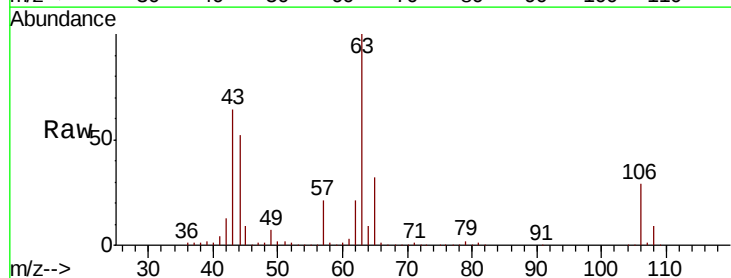
Acq: 30 Aug 2018 15:37

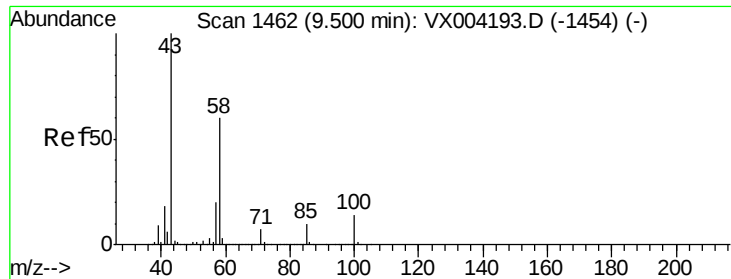
Tgt Ion: 63 Resp: 266834

Ion Ratio Lower Upper

63 100

106 29.7 23.9 35.9

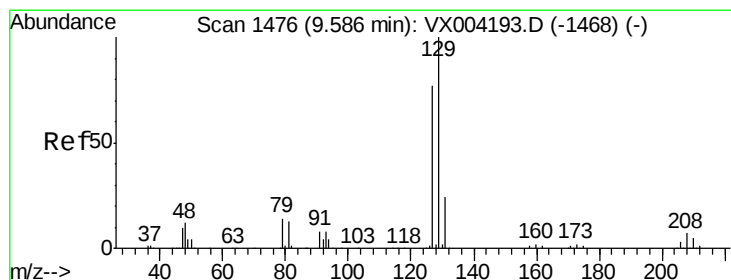
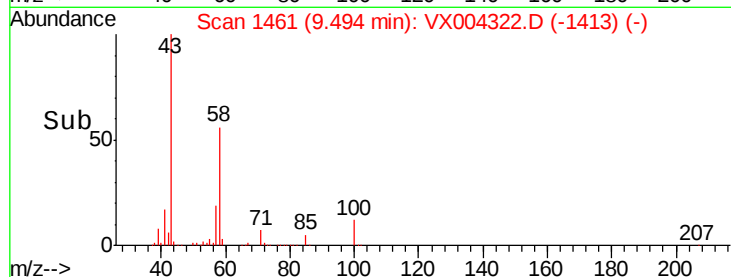
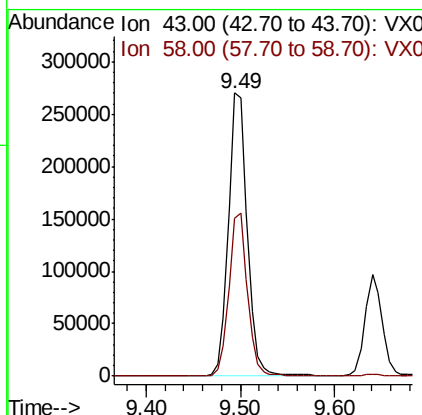
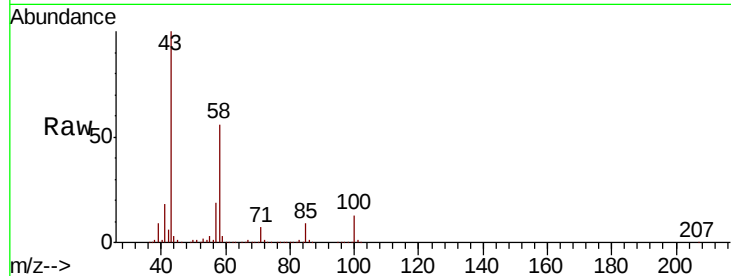




#59
2-Hexanone
Concen: 101.63 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

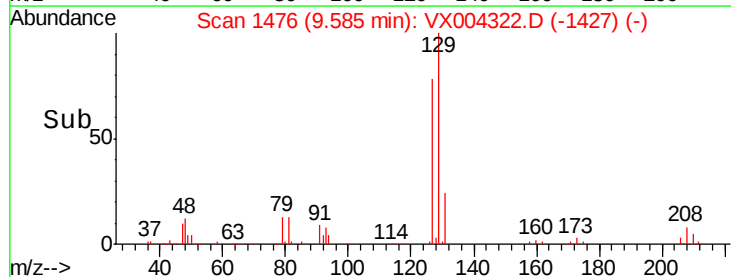
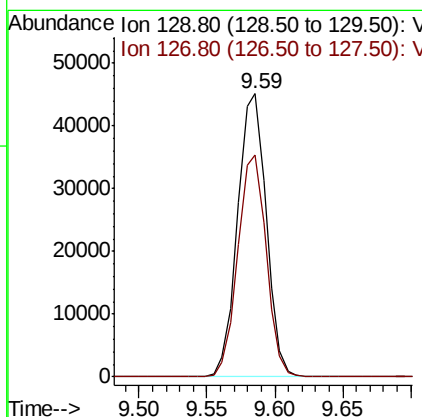
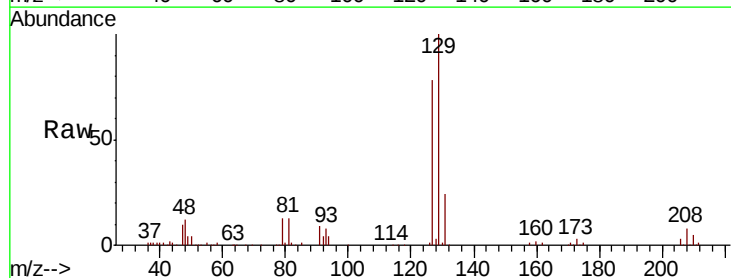
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

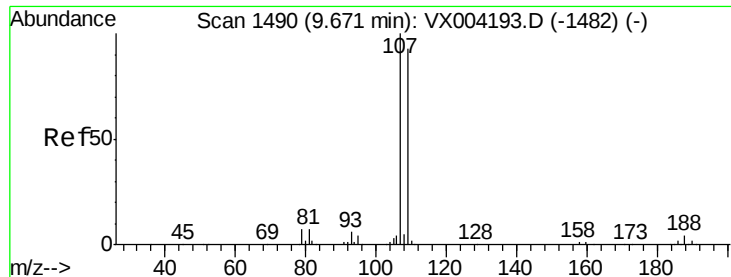
Tot Ion: 43 Resp: 376261
Ion Ratio Lower Upper
43 100
58 56.8 29.0 87.0



#60
Dibromochloromethane
Concen: 20.47 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 129 Resp: 66544
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.10 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

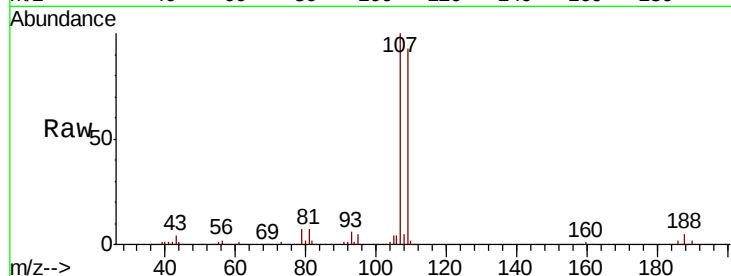
VX0830WBS01

Tot Ion:107 Resp: 72869

Ion Ratio Lower Upper

107 100

109 93.1 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

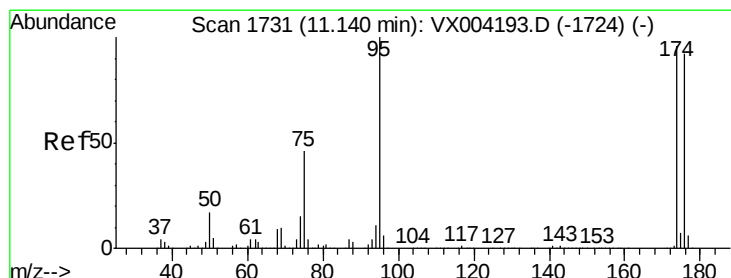
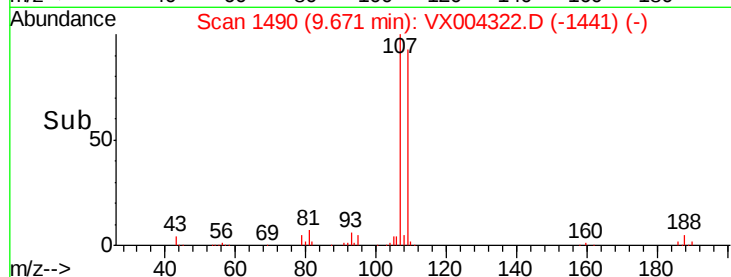
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

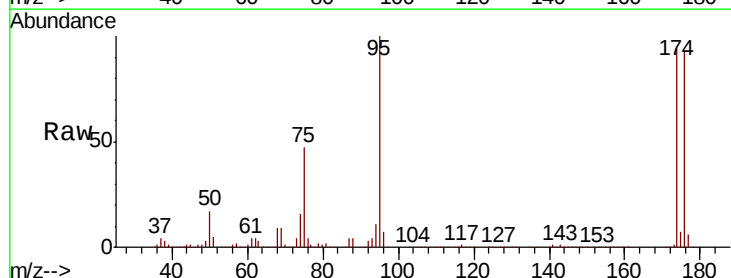
Tgt Ion: 95 Resp: 208108

Ion Ratio Lower Upper

95 100

174 89.9 0.0 185.2

176 88.8 0.0 178.6



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

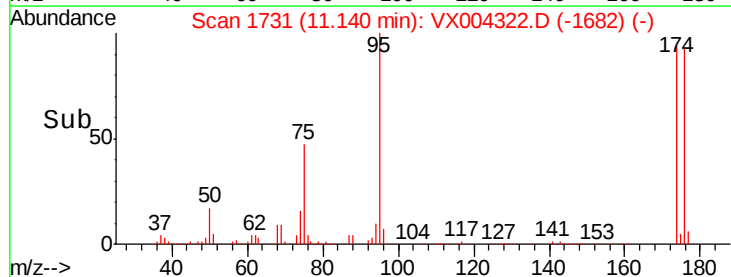
100000

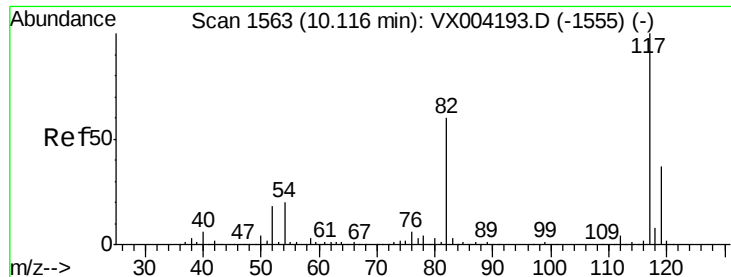
50000

0

11.10 11.20

Time-->

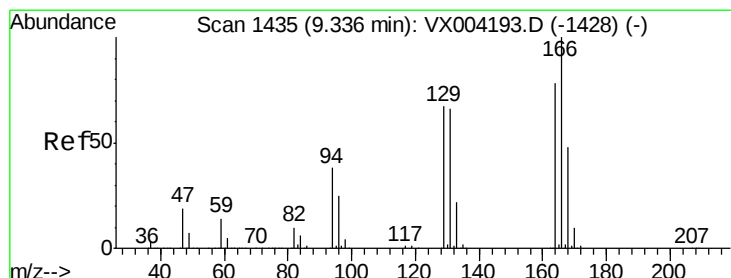
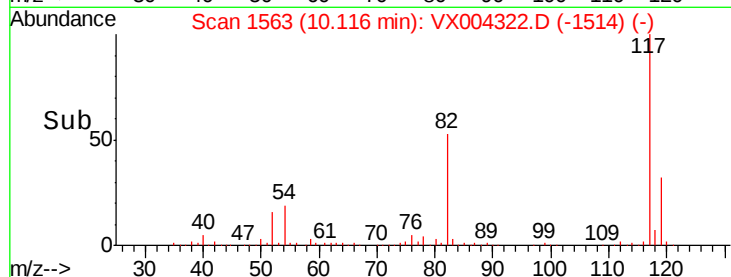
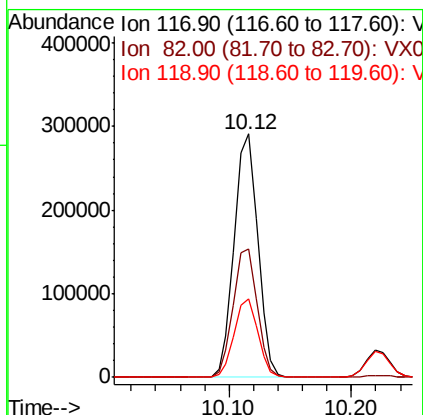
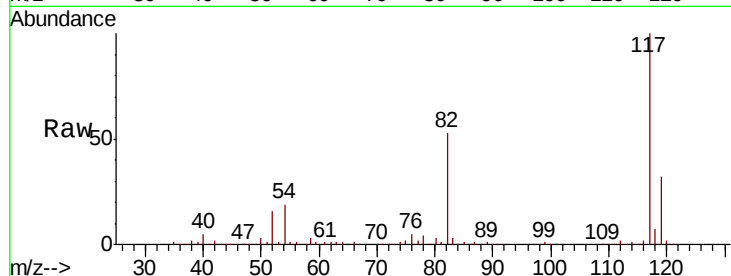




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

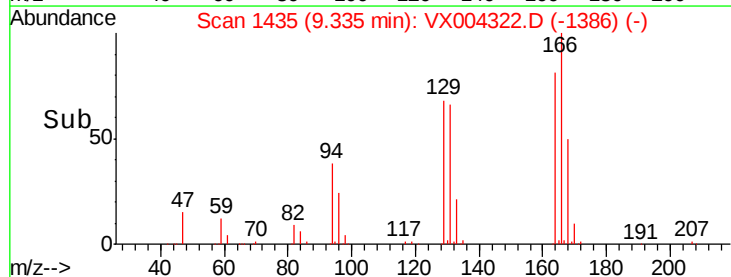
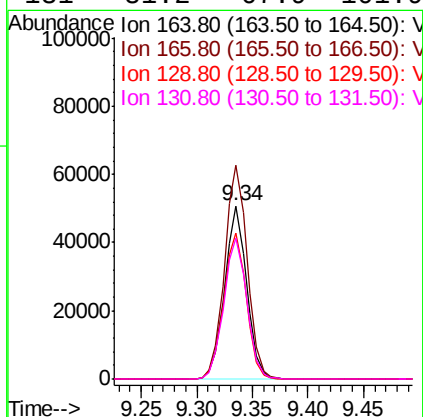
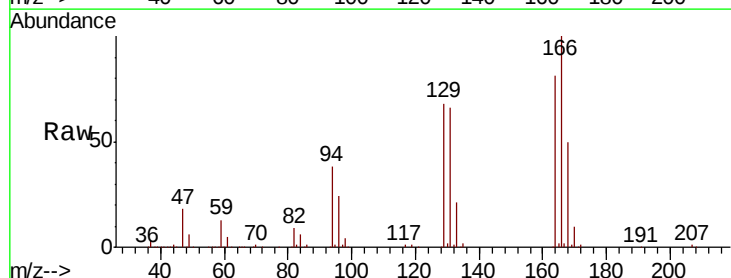
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

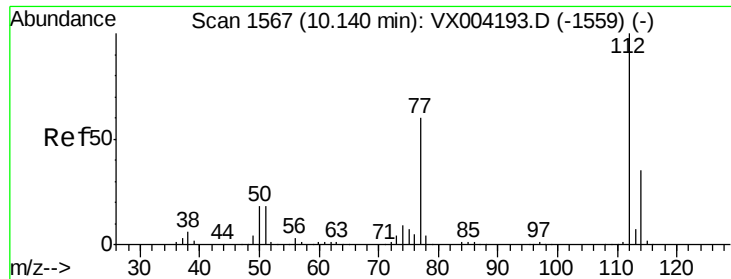
Tot Ion:117 Resp: 389691
Ion Ratio Lower Upper
117 100
82 52.7 47.8 71.6
119 32.2 29.3 43.9



#64
Tetrachloroethene
Concen: 18.03 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion:164 Resp: 69412
Ion Ratio Lower Upper
164 100
166 123.4 102.8 154.2
129 84.0 69.4 104.0
131 81.2 67.9 101.9

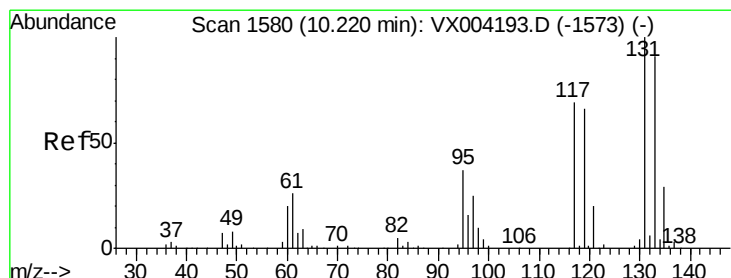
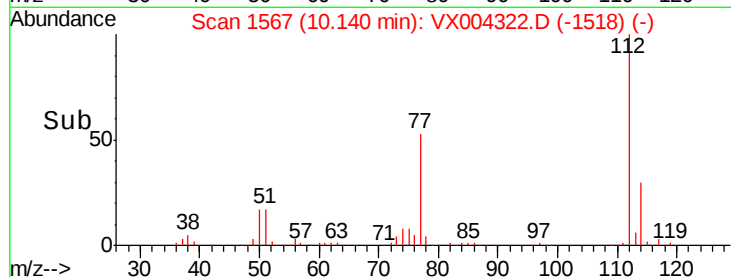
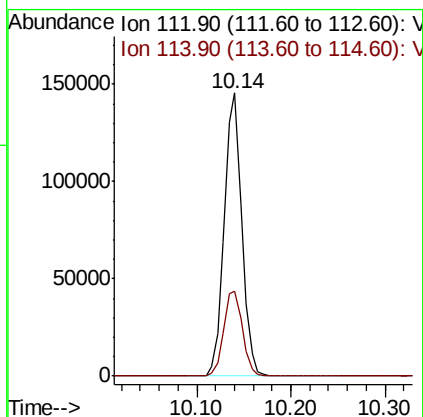
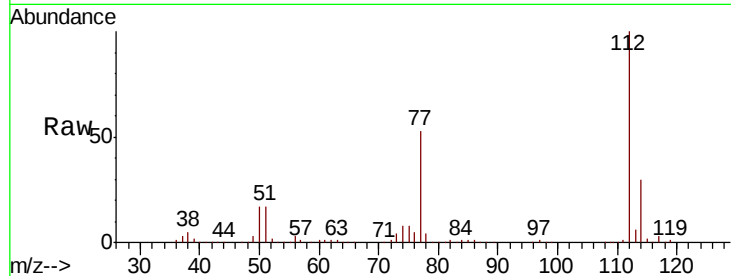




#65
Chlorobenzene
Concen: 19.28 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

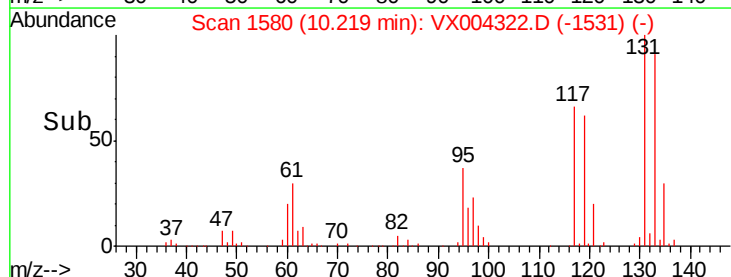
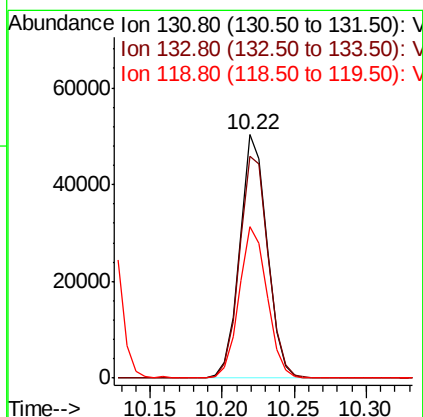
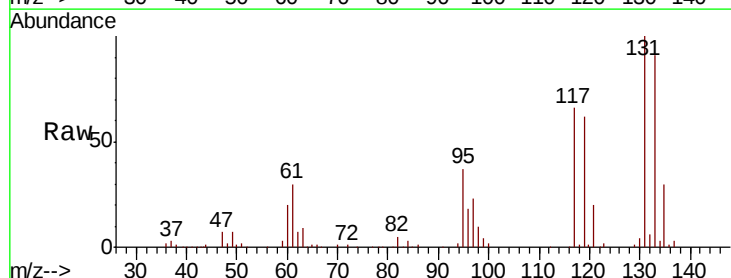
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

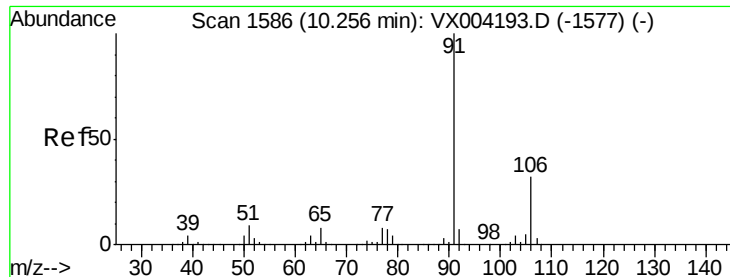
Tot Ion:112 Resp: 188533
Ion Ratio Lower Upper
112 100
114 30.0 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.64 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion:131 Resp: 66263
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 63.7 32.9 98.6

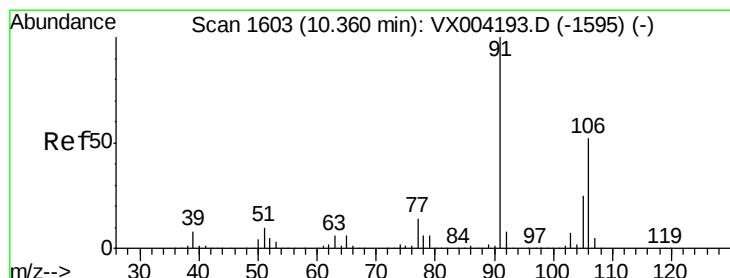
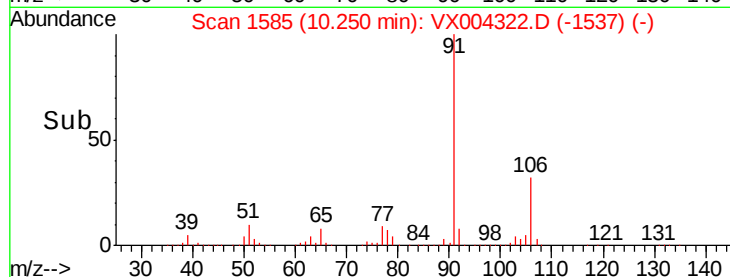
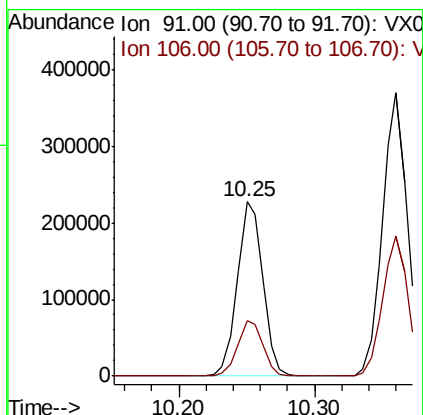
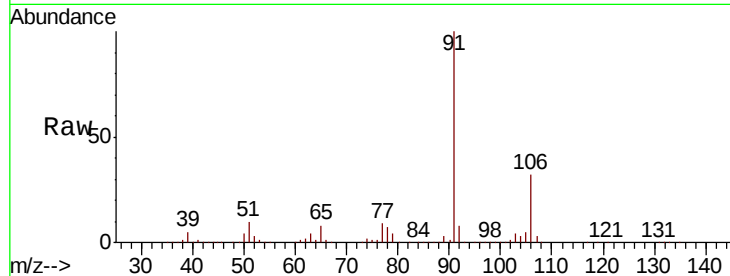




#67
Ethyl Benzene
Concen: 18.69 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

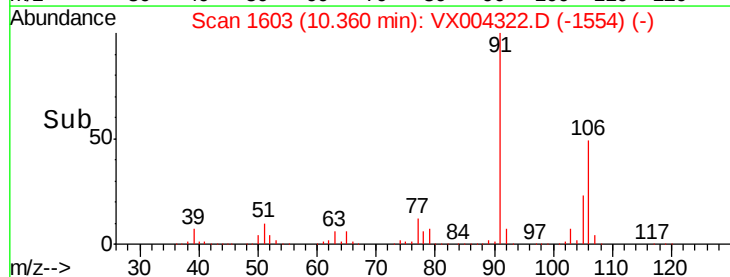
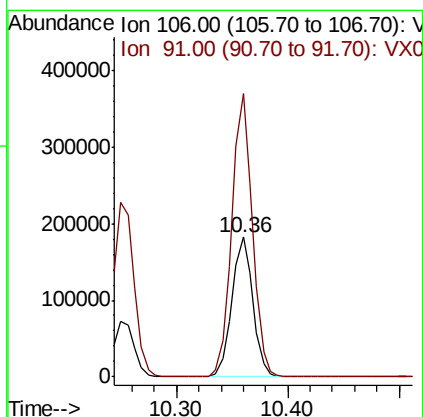
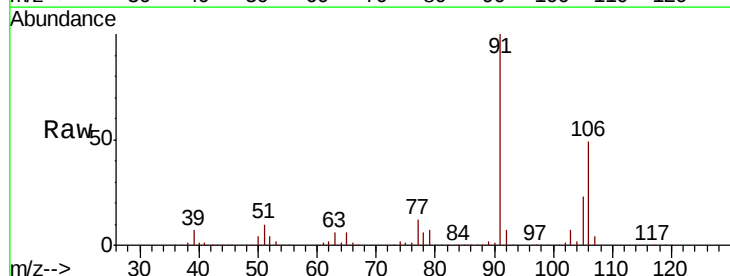
Instrument :
MSVOA_X
ClientSampled :
VX0830WBS01

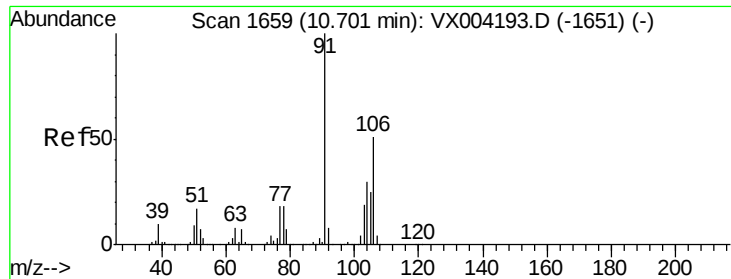
Tot Ion: 91 Resp: 296811
Ion Ratio Lower Upper
91 100
106 31.9 25.9 38.9



#68
m/p-Xylenes
Concen: 38.14 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 106 Resp: 236899
Ion Ratio Lower Upper
106 100
91 199.3 157.1 235.7

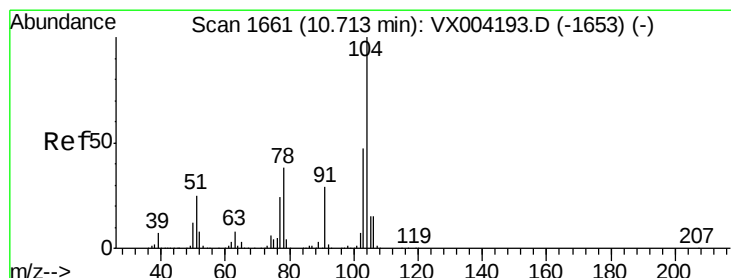
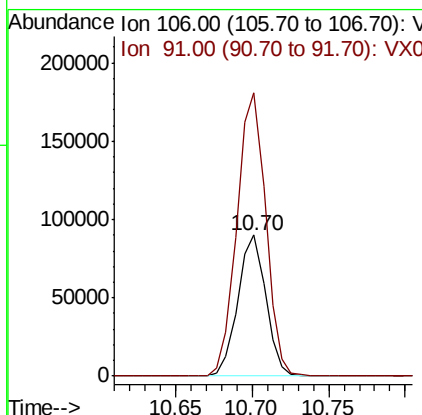
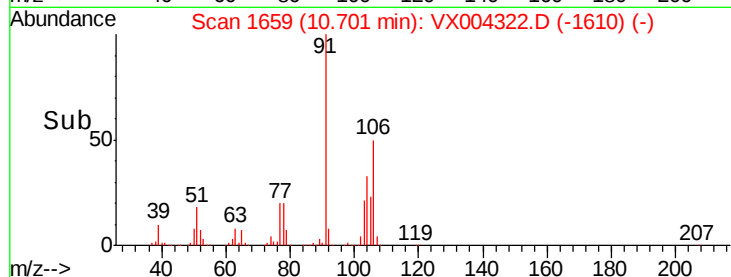
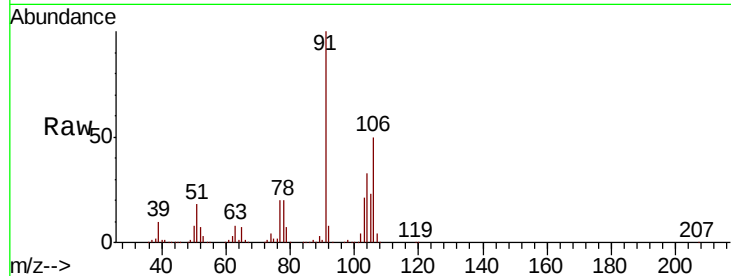




#69
o-Xylene
Concen: 19.44 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

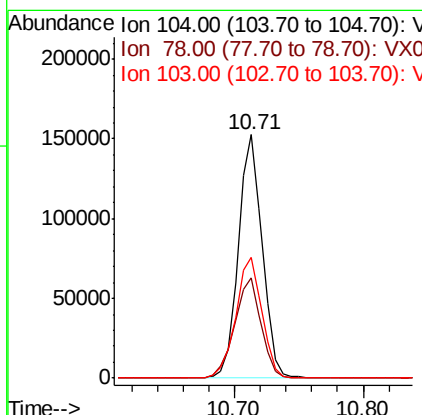
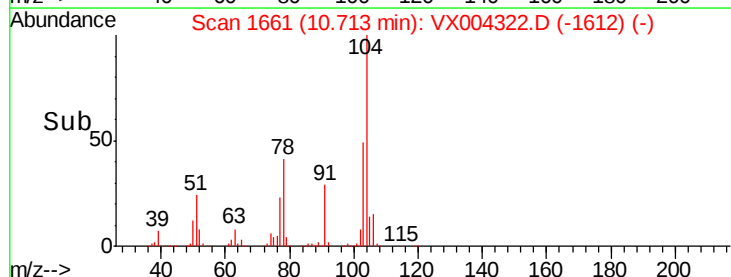
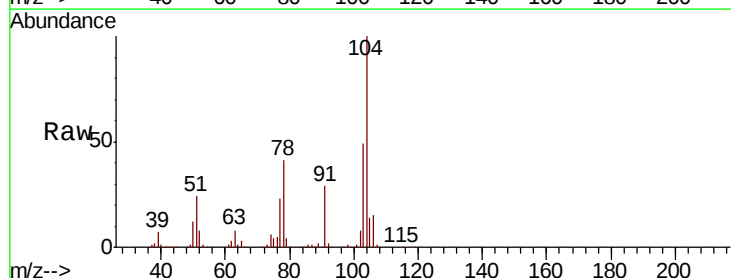
Instrument :
MSVOA_X
ClientSampled :
VX0830WBS01

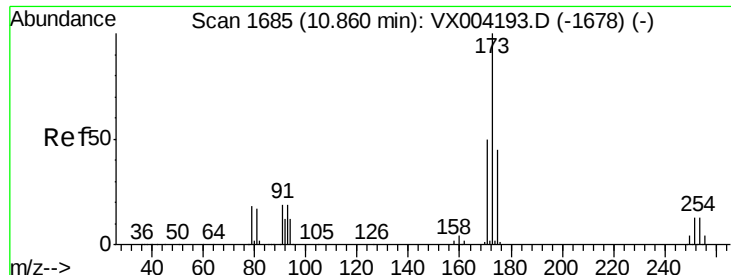
Tot Ion:106 Resp: 114191
Ion Ratio Lower Upper
106 100
91 207.7 105.1 315.1



#70
Styrene
Concen: 20.51 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion:104 Resp: 195099
Ion Ratio Lower Upper
104 100
78 46.1 37.4 56.0
103 54.8 43.8 65.6





#71

Bromoform

Concen: 18.49 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

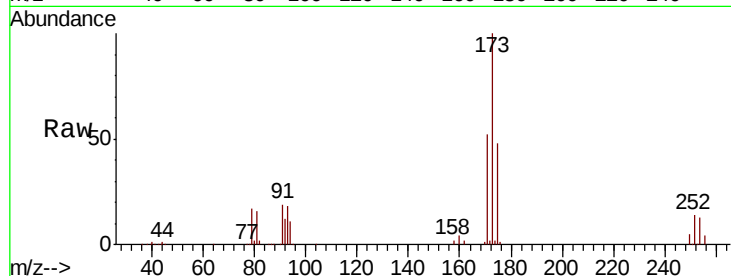
Tot Ion:173 Resp: 50270

Ion Ratio Lower Upper

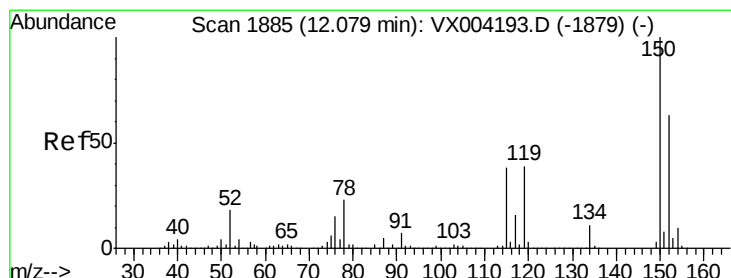
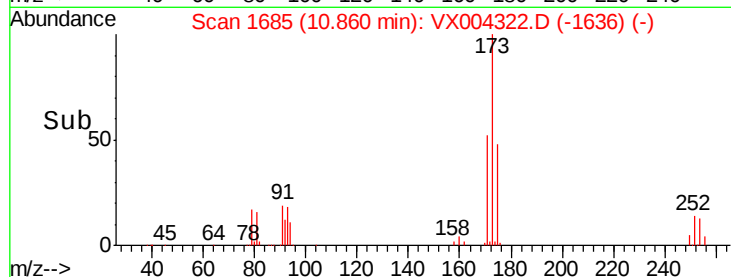
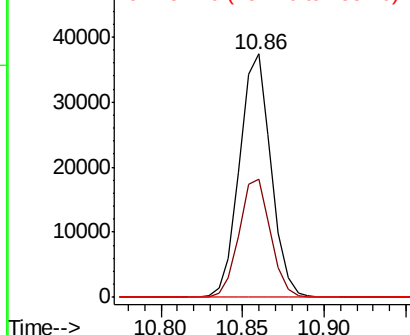
173 100

175 48.5 24.1 72.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

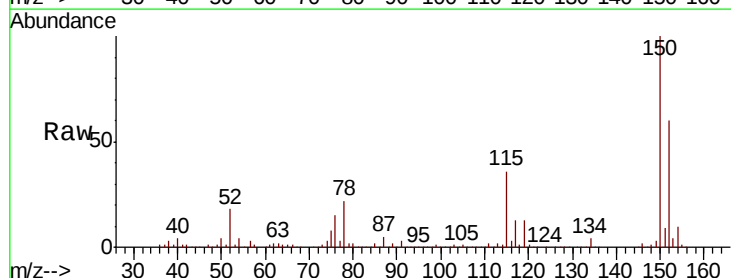
Tgt Ion:152 Resp: 236065

Ion Ratio Lower Upper

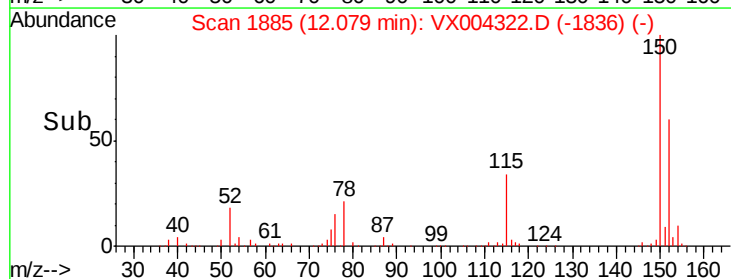
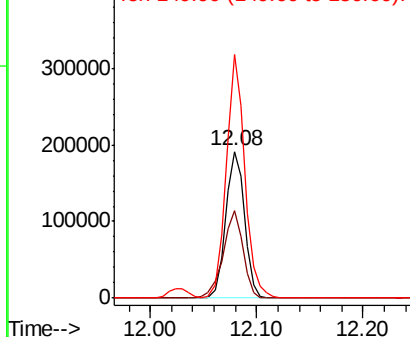
152 100

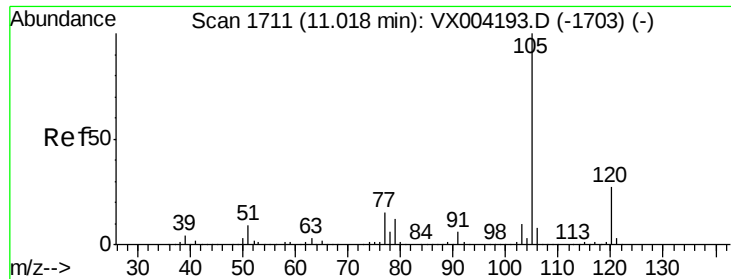
115 62.9 39.0 117.0

150 164.4 0.0 351.0



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: 19.36 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampled :

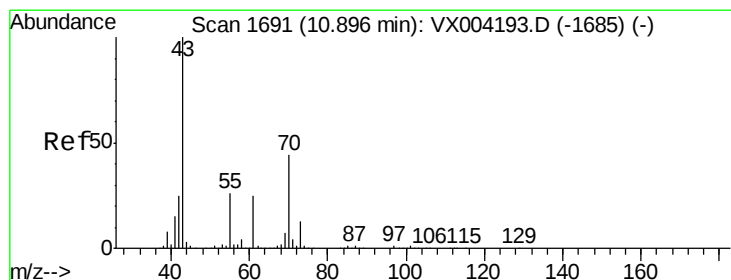
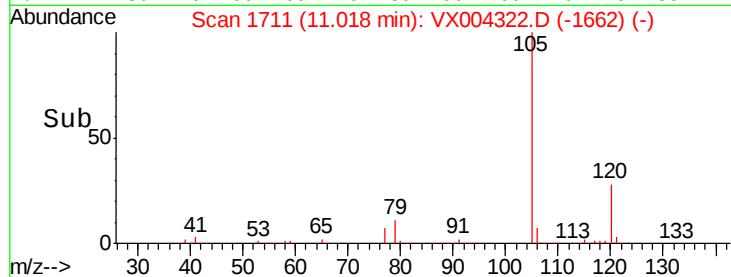
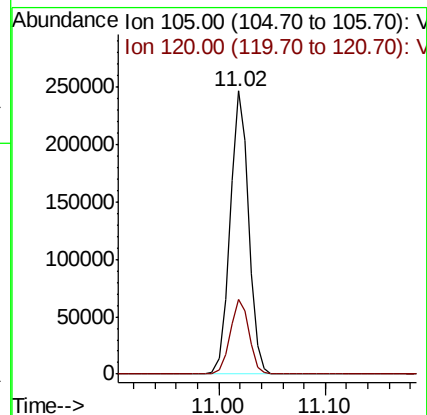
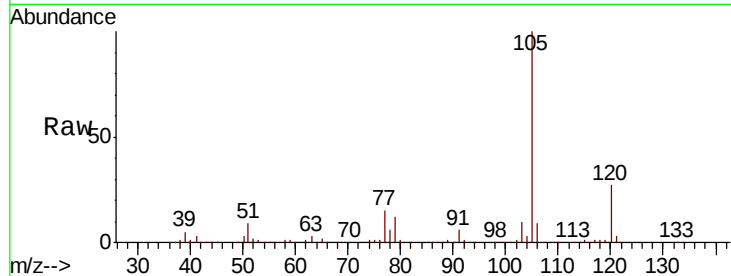
VX0830WBS01

Tot Ion:105 Resp: 300196

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 19.53 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Tgt Ion: 43 Resp: 116616

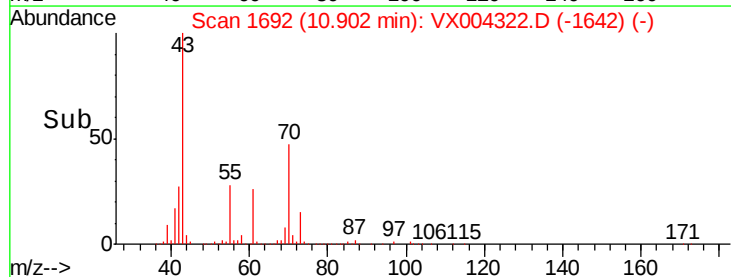
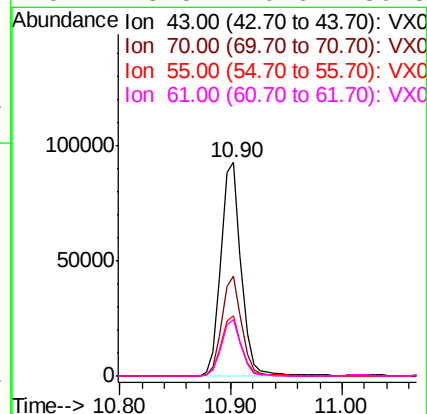
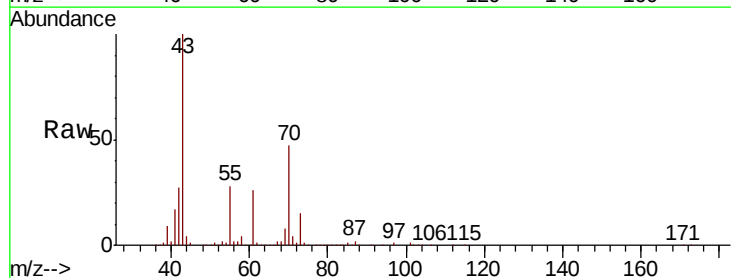
Ion Ratio Lower Upper

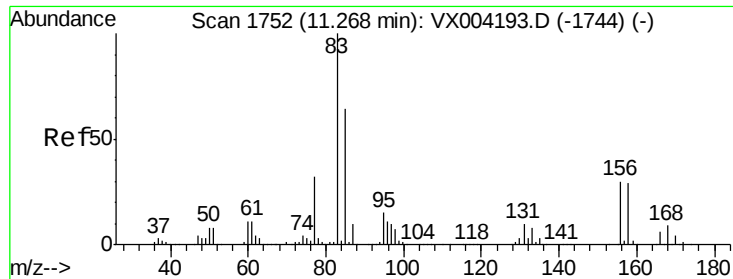
43 100

70 46.2 37.4 56.0

55 28.2 21.8 32.8

61 25.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.17 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

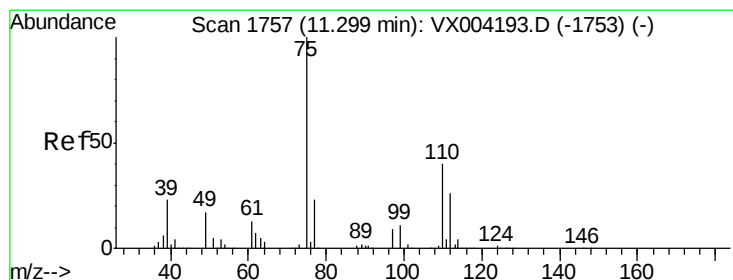
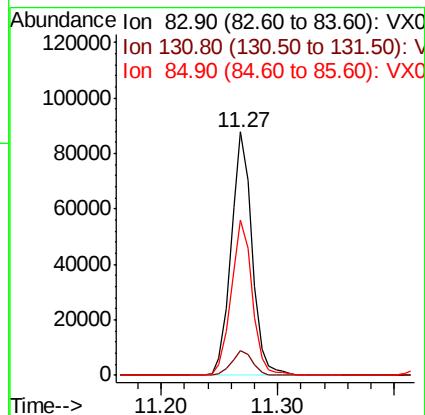
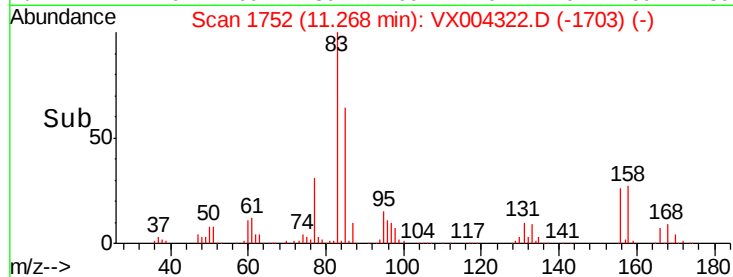
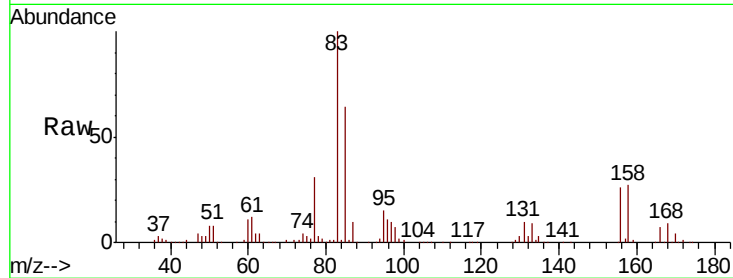
Tot Ion: 83 Resp: 109442

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

85 64.4 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 24.73 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004322.D

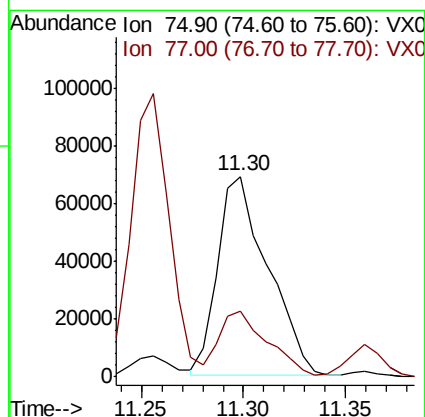
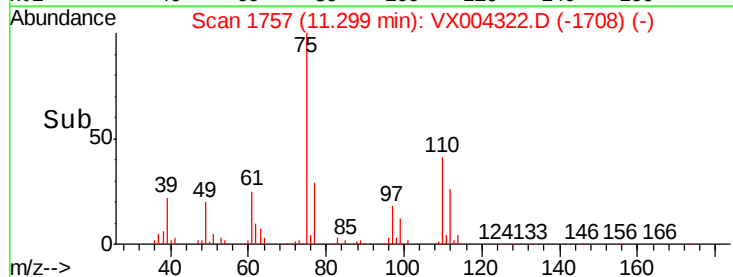
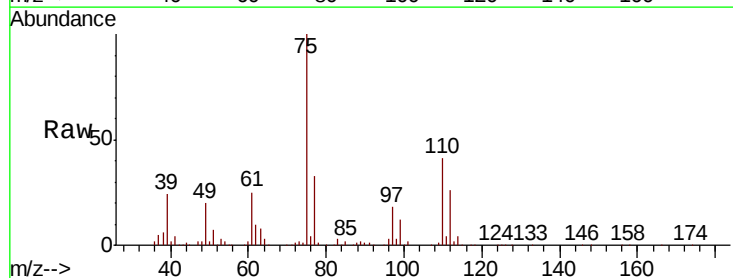
Acq: 30 Aug 2018 15:37

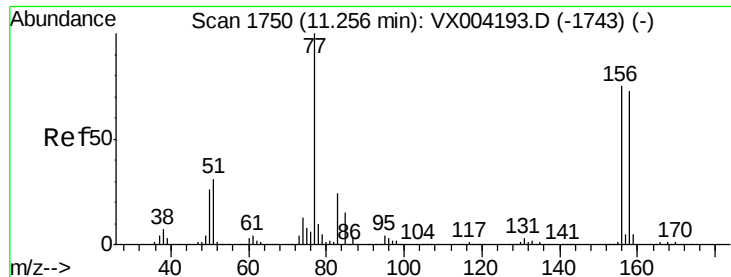
Tgt Ion: 75 Resp: 118716

Ion Ratio Lower Upper

75 100

77 32.0 20.2 60.6





#77

Bromobenzene

Concen: 20.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampled :

VX0830WBS01

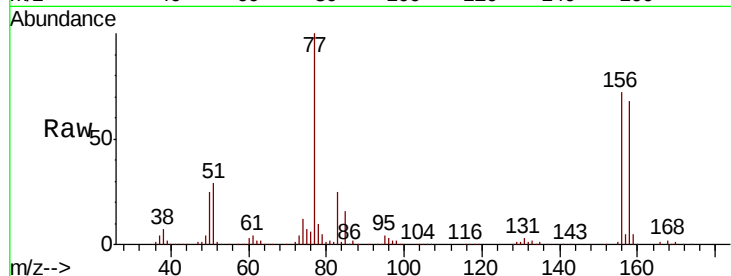
Tot Ion:156 Resp: 87555

Ion Ratio Lower Upper

156 100

77 146.7 71.5 214.3

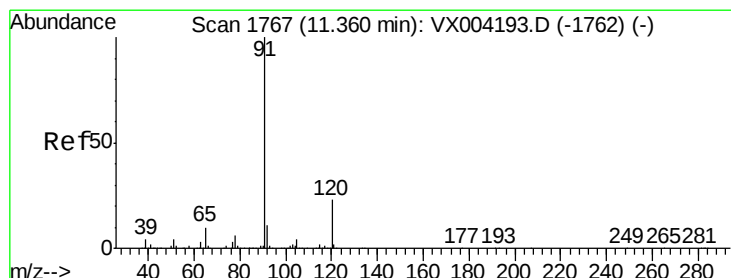
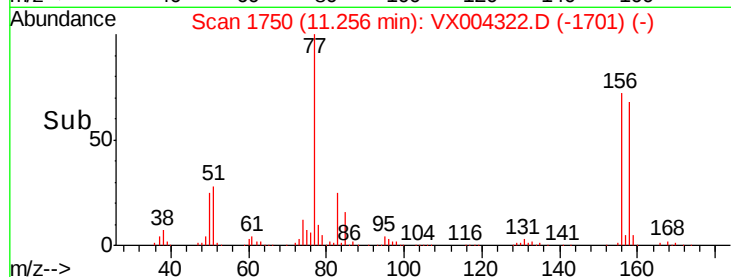
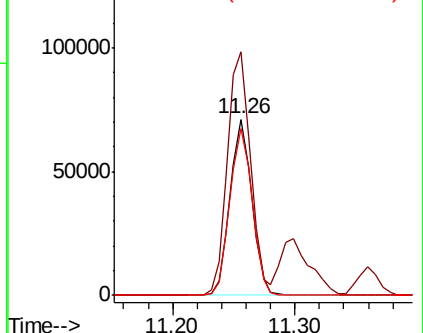
158 97.1 48.9 146.8



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: 18.38 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004322.D

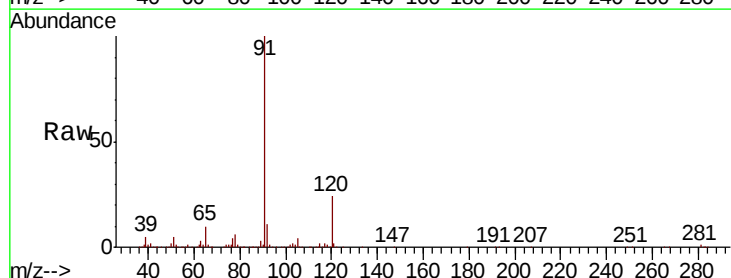
Acq: 30 Aug 2018 15:37

Tgt Ion: 91 Resp: 327814

Ion Ratio Lower Upper

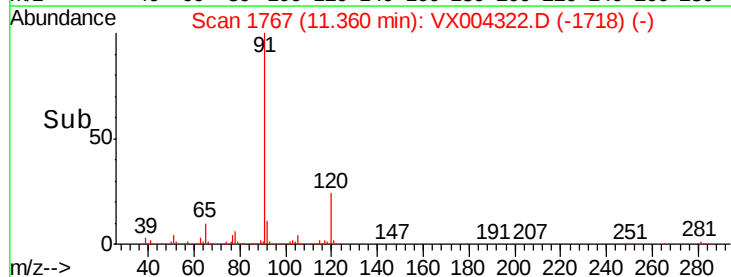
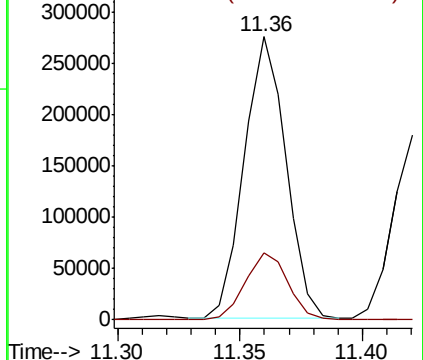
91 100

120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.45 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

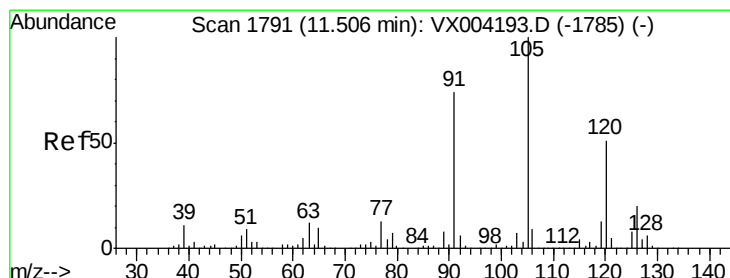
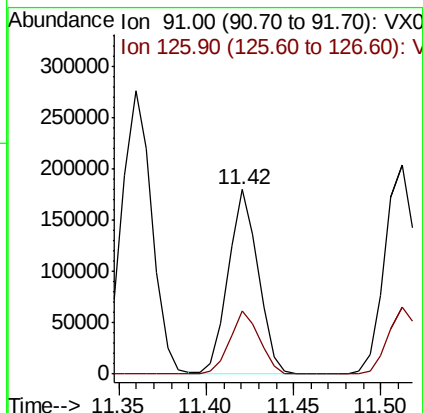
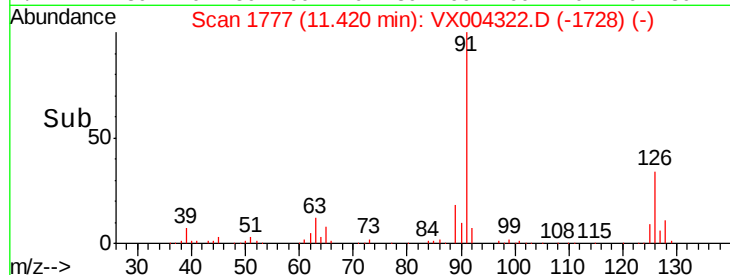
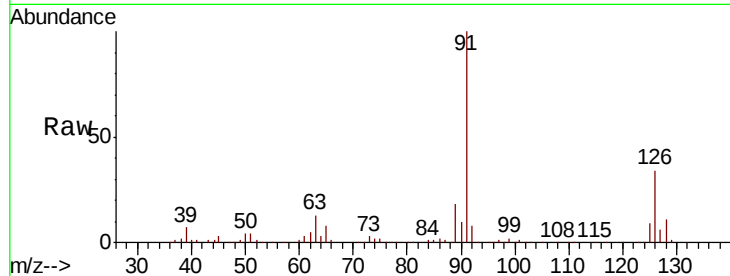
VX0830WBS01

Tot Ion: 91 Resp: 213535

Ion Ratio Lower Upper

91 100

126 34.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.01 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004322.D

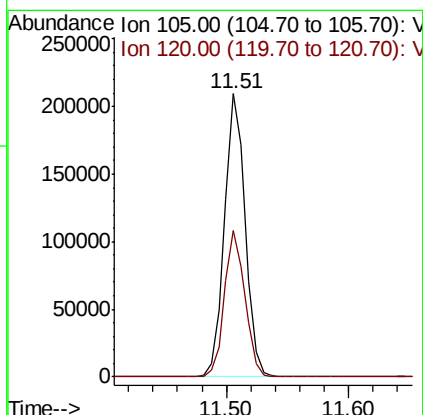
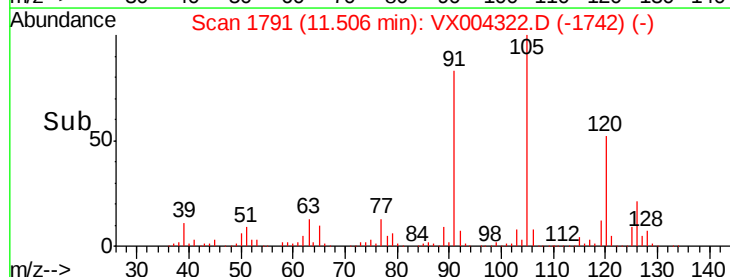
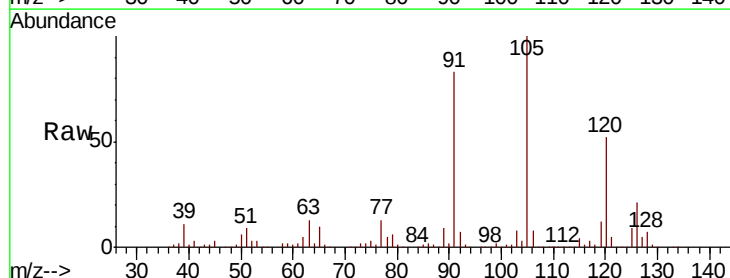
Acq: 30 Aug 2018 15:37

Tgt Ion: 105 Resp: 244082

Ion Ratio Lower Upper

105 100

120 51.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.94 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

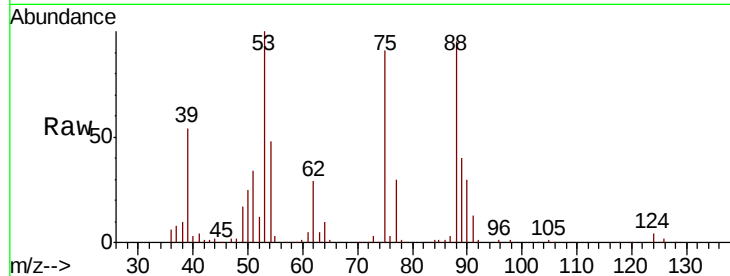
Tot Ion: 75 Resp: 28031

Ion Ratio Lower Upper

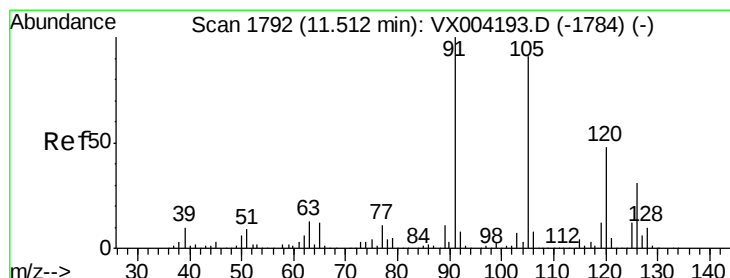
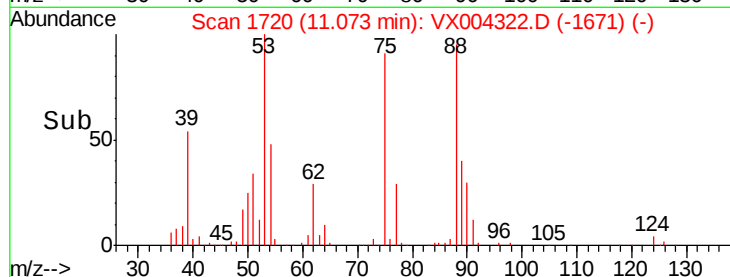
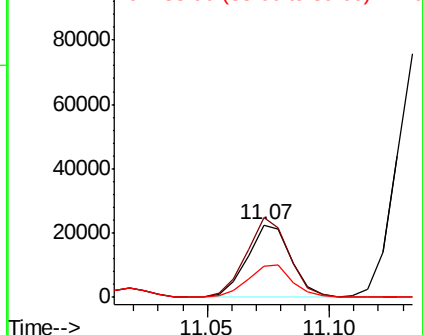
75 100

53 108.5 80.1 120.1

89 46.0 37.2 55.8



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



#82

4-Chlorotoluene

Concen: 19.59 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004322.D

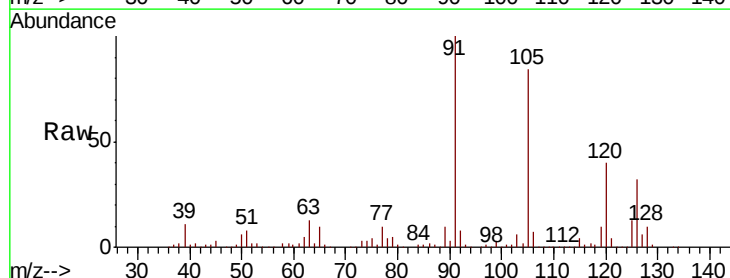
Acq: 30 Aug 2018 15:37

Tgt Ion: 91 Resp: 252999

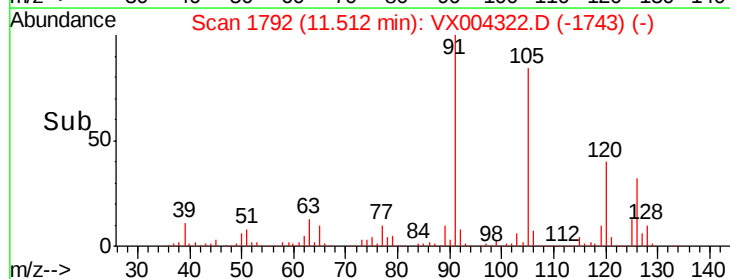
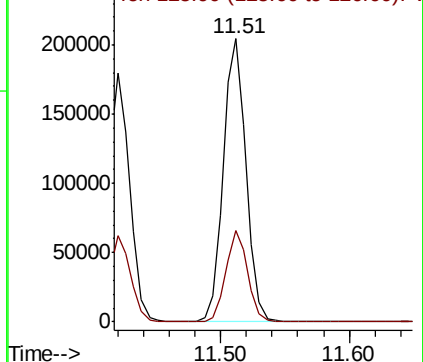
Ion Ratio Lower Upper

91 100

126 31.1 15.5 46.5



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

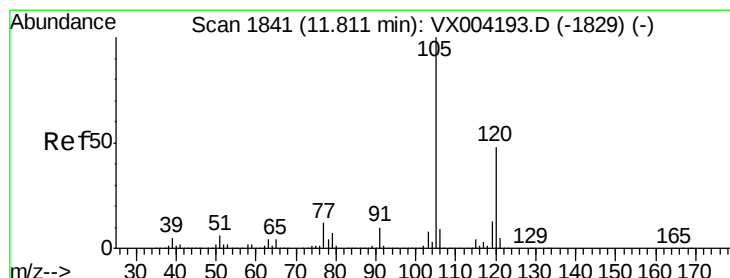
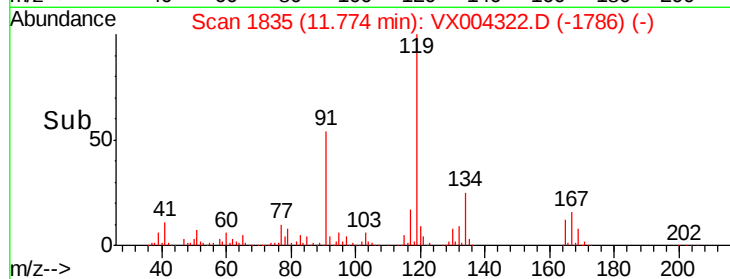
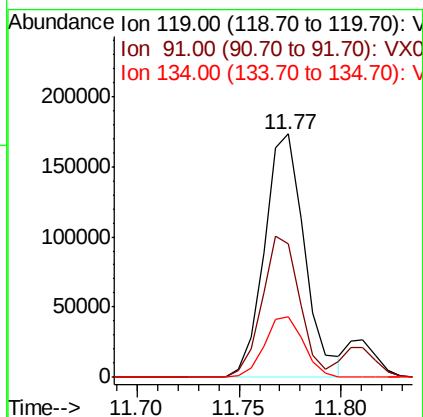
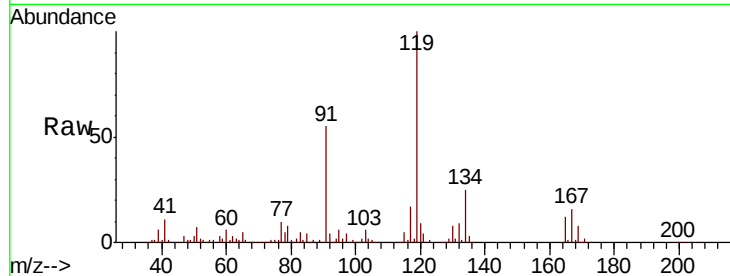




#83
 tert-Butylbenzene
 Concen: 18.40 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

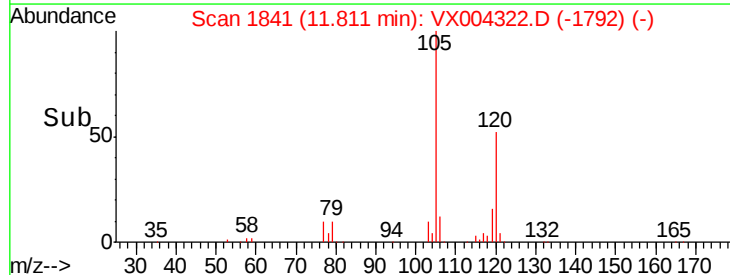
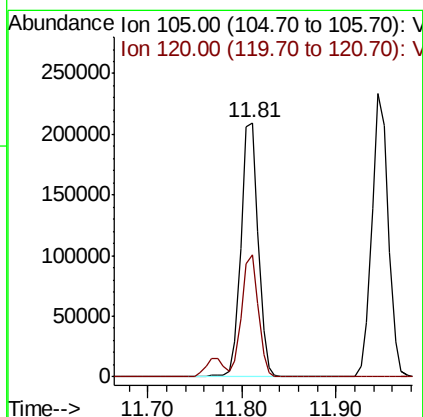
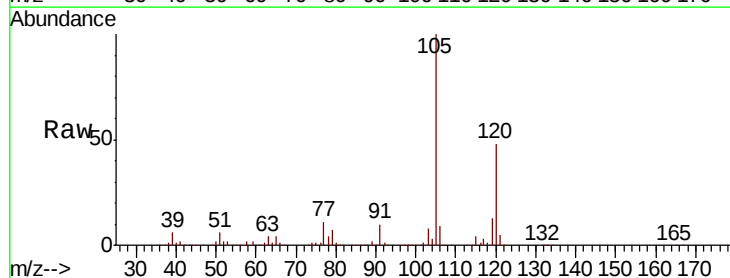
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

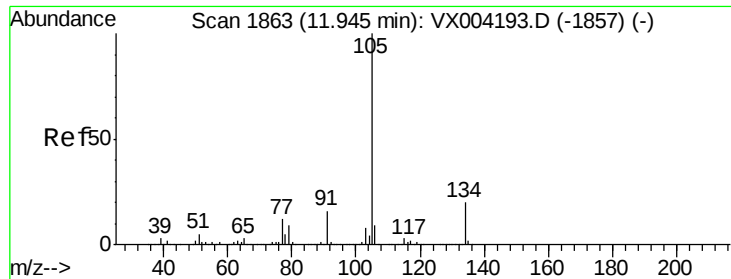
Tot Ion:119 Resp: 237664
 Ion Ratio Lower Upper
 119 100
 91 54.5 27.0 81.0
 134 24.4 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.28 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion:105 Resp: 267298
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 18.44 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

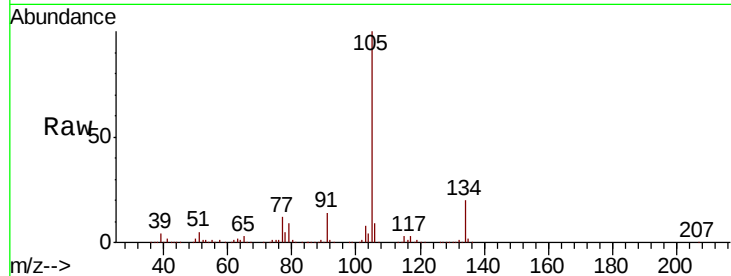
VX0830WBS01

Tot Ion:105 Resp: 282769

Ion Ratio Lower Upper

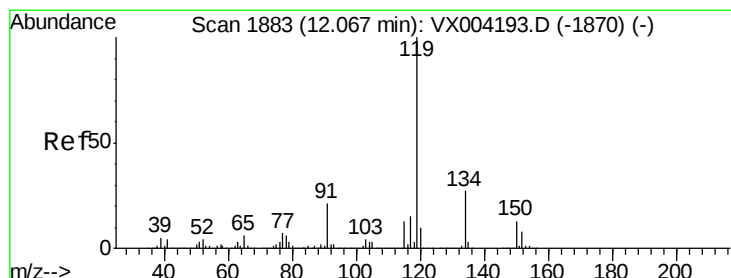
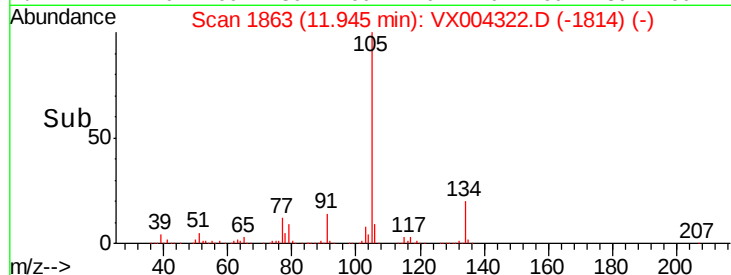
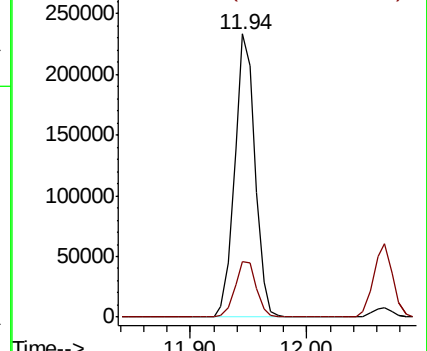
105 100

134 20.7 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.72 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

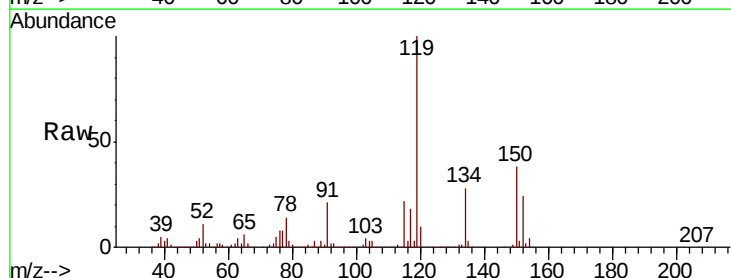
Tgt Ion:119 Resp: 257272

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

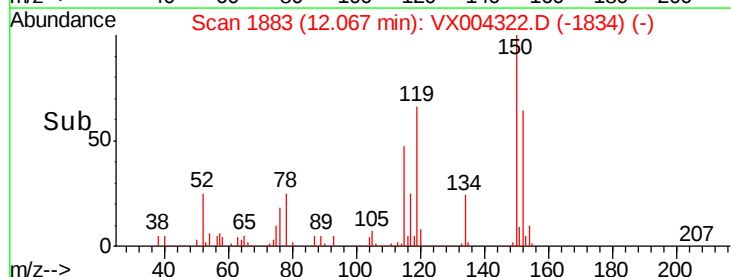
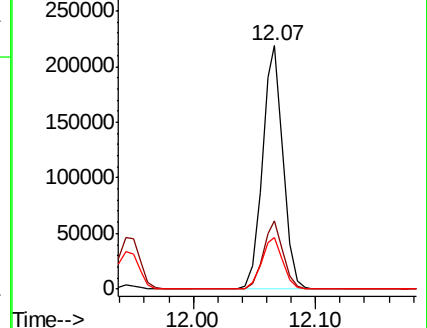
91 21.8 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

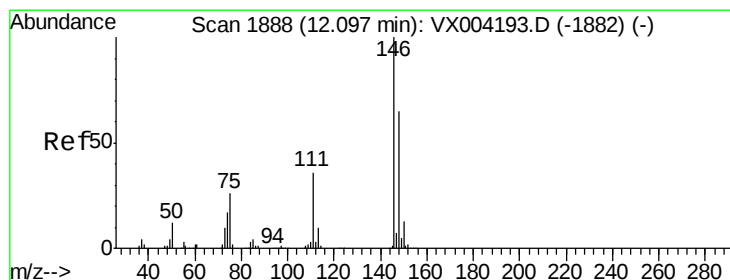
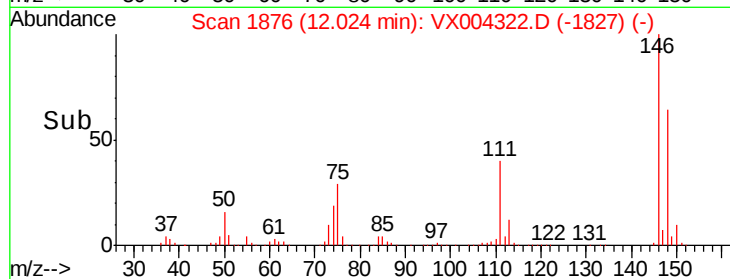
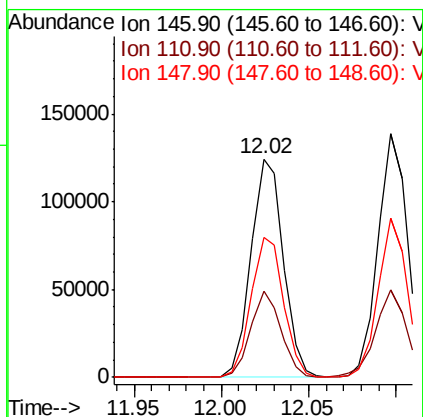
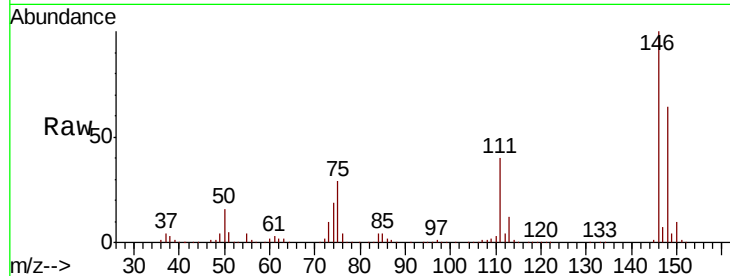




#87
 1,3-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

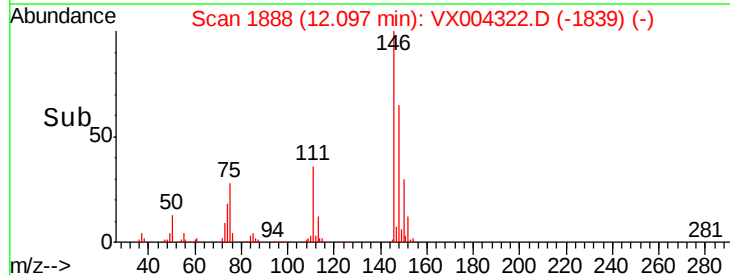
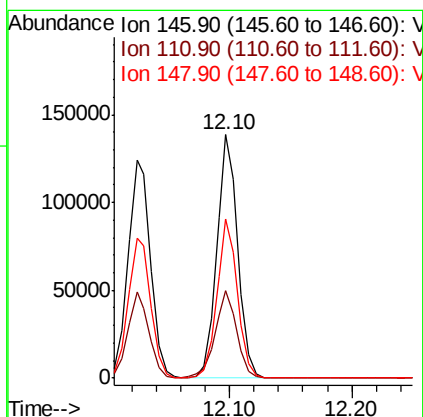
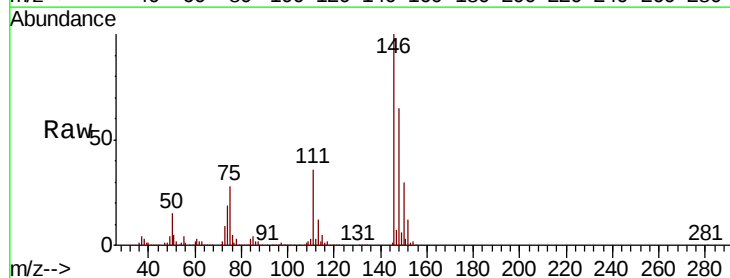
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

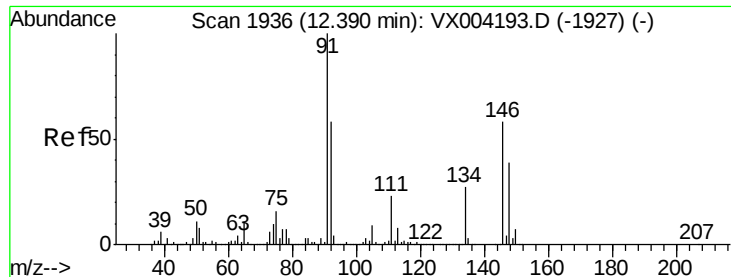
Tot Ion:146 Resp: 159318
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 64.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.06 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion:146 Resp: 164551
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.1 54.1
 148 64.2 32.0 96.0

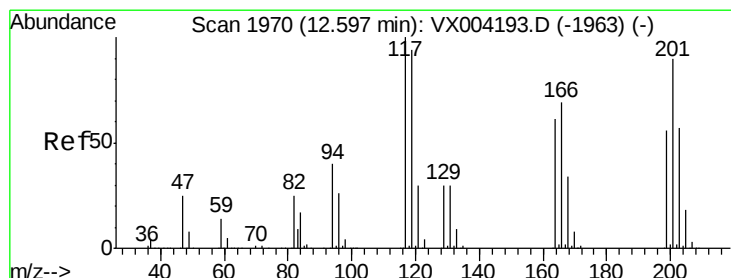
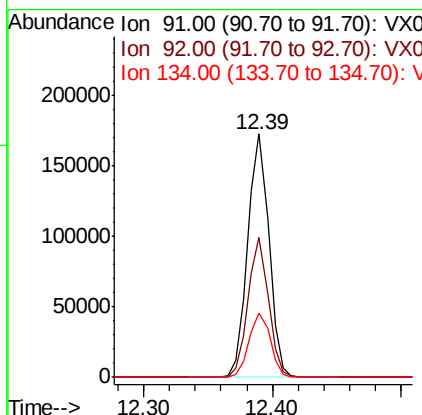
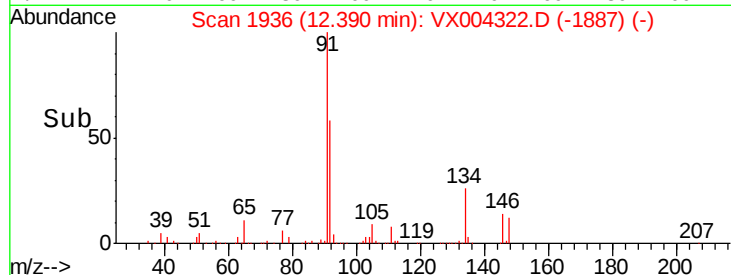
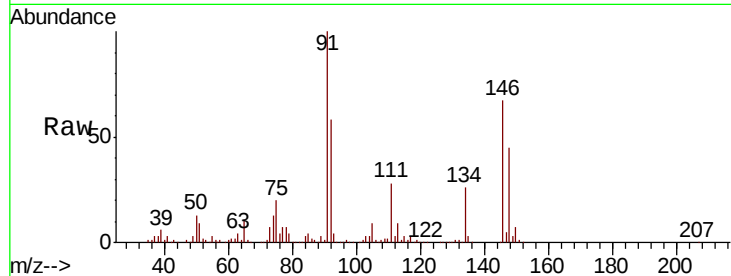




#89
n-Butylbenzene
Concen: 17.46 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

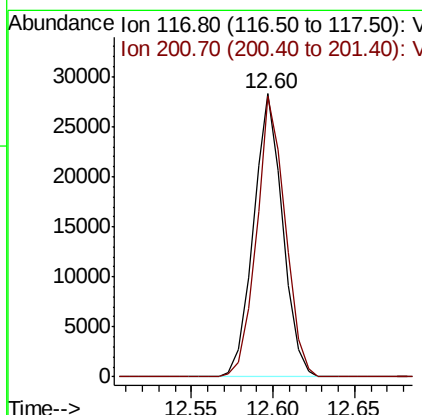
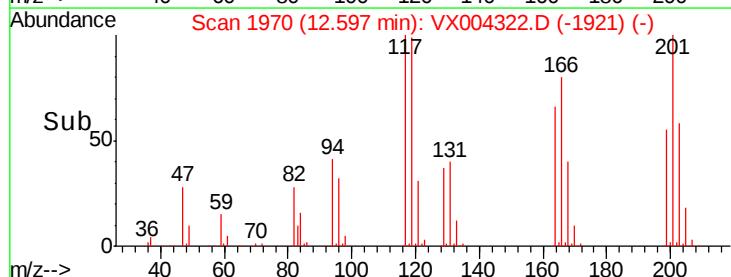
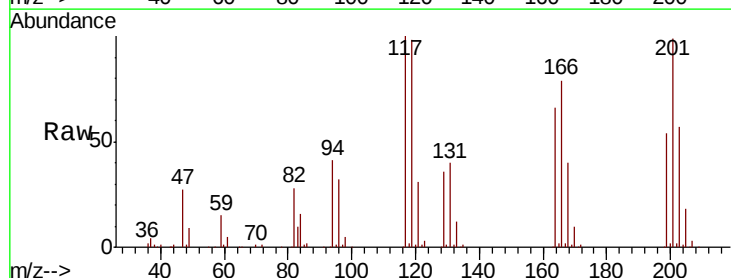
Instrument :
MSVOA_X
ClientSampleId :
VX0830WBS01

Tot Ion: 91 Resp: 195149
Ion Ratio Lower Upper
91 100
92 55.2 27.3 81.9
134 26.5 13.6 40.7



#90
Hexachloroethane
Concen: 18.27 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004322.D
Acq: 30 Aug 2018 15:37

Tgt Ion: 117 Resp: 35093
Ion Ratio Lower Upper
117 100
201 96.9 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 20.57 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

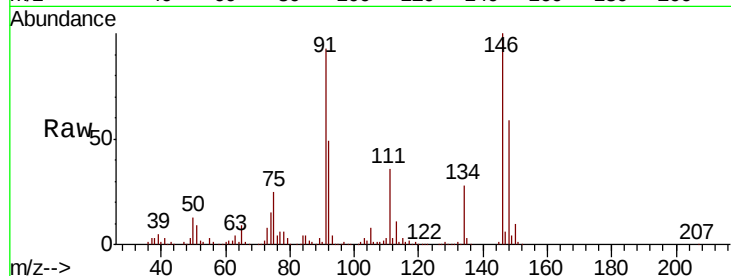
Tot Ion:146 Resp: 153918

Ion Ratio Lower Upper

146 100

111 39.1 19.4 58.1

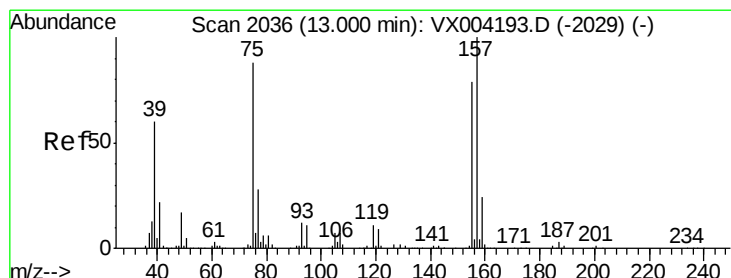
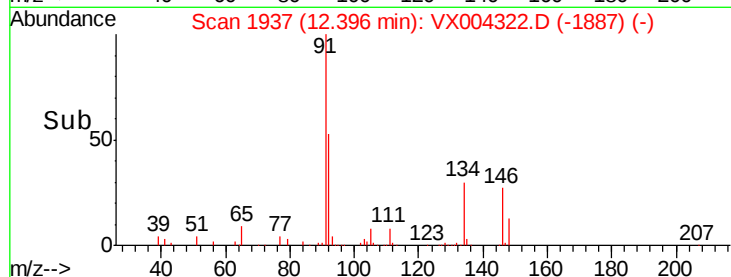
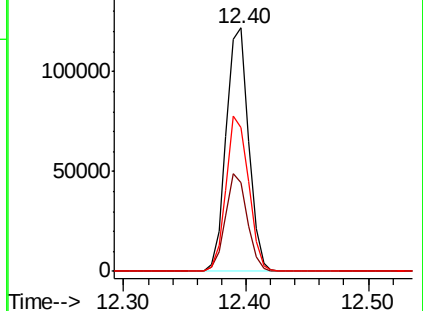
148 64.1 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.46 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

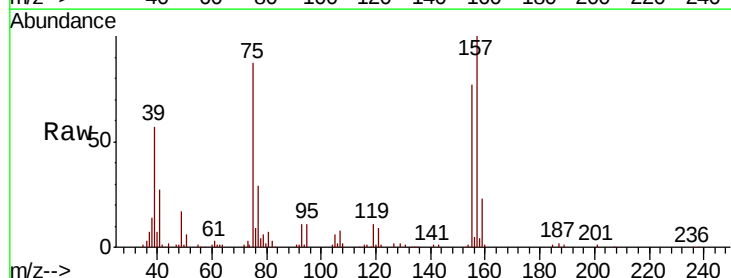
Tgt Ion: 75 Resp: 18594

Ion Ratio Lower Upper

75 100

155 98.4 48.0 144.2

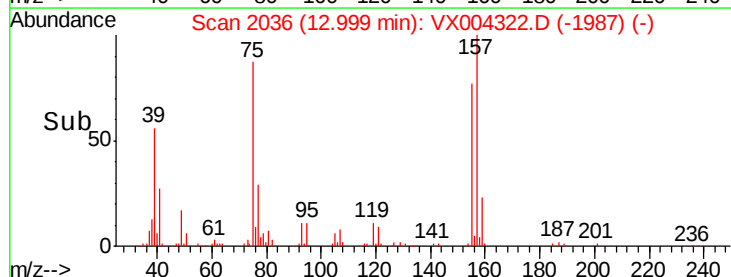
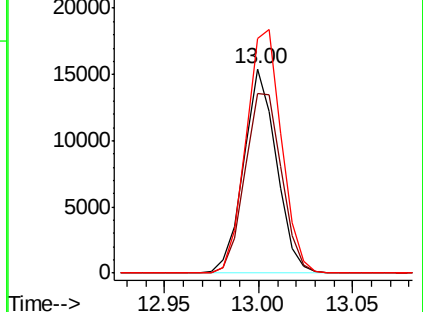
157 128.8 61.4 184.1

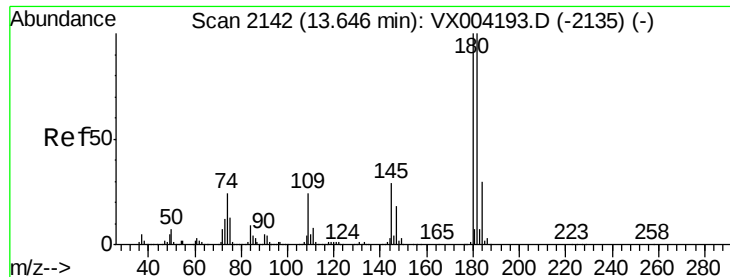


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

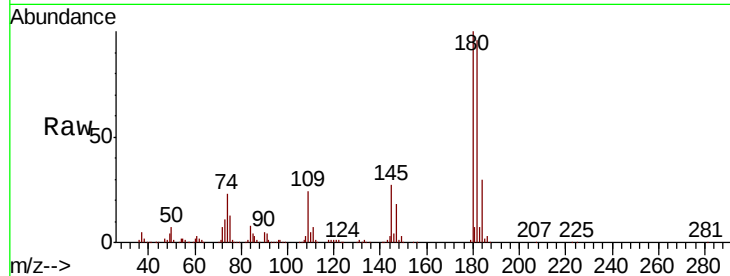




#93
 1,2,4-Trichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.0
145	26.7	14.3	42.9

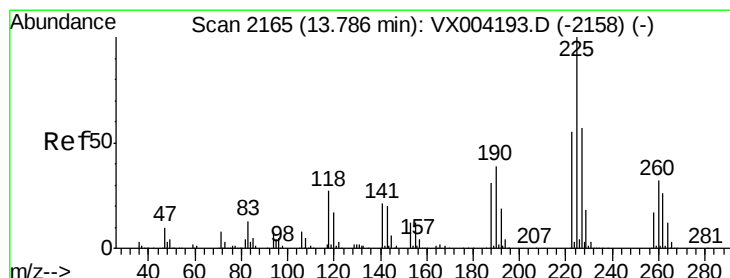
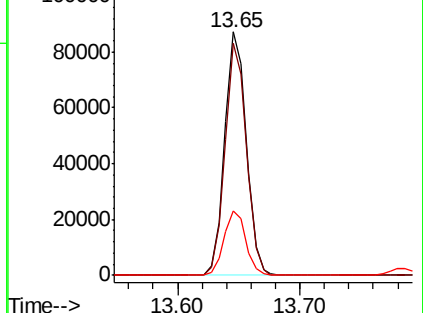
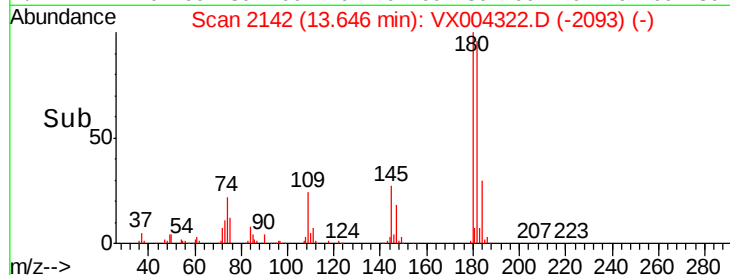


Abundance

Ion 179.80 (179.50 to 180.50): V

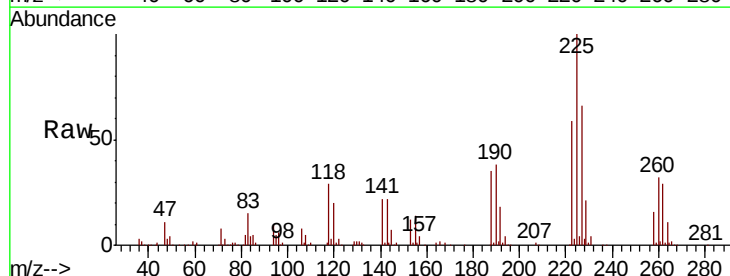
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 16.51 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004322.D
 Acq: 30 Aug 2018 15:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.1	90.5
227	66.7	30.8	92.4

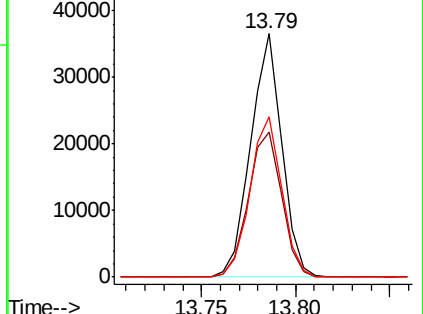
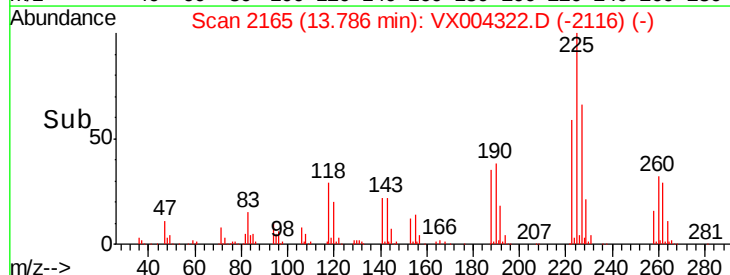


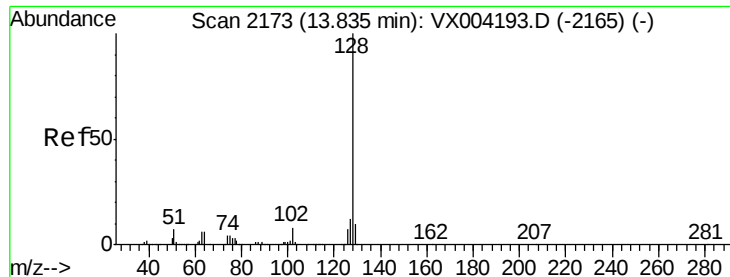
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.24 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

Instrument :

MSVOA_X

ClientSampleId :

VX0830WBS01

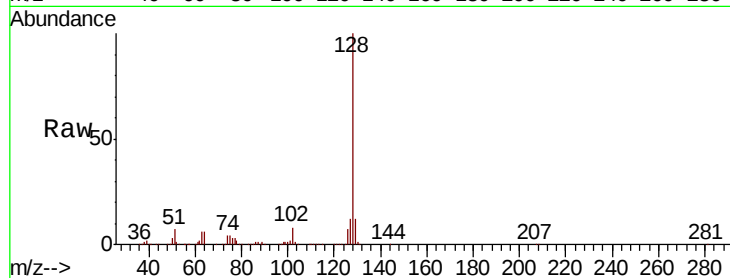
Tot Ion:128 Resp: 311653

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

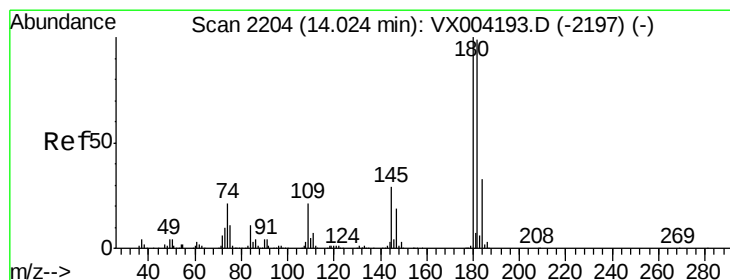
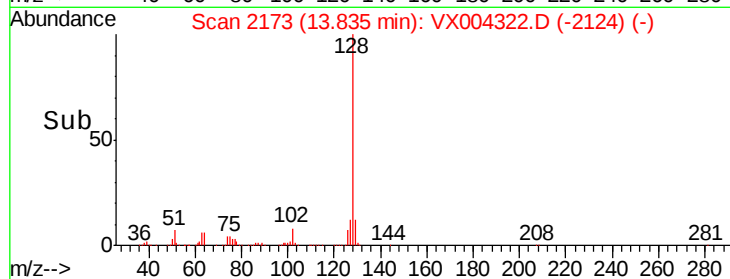
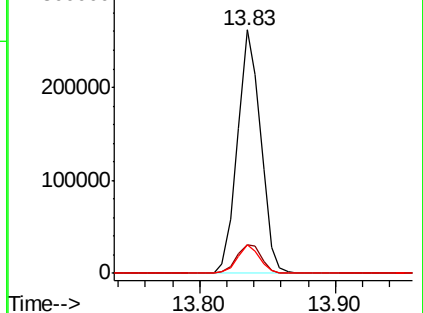
129 11.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.65 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004322.D

Acq: 30 Aug 2018 15:37

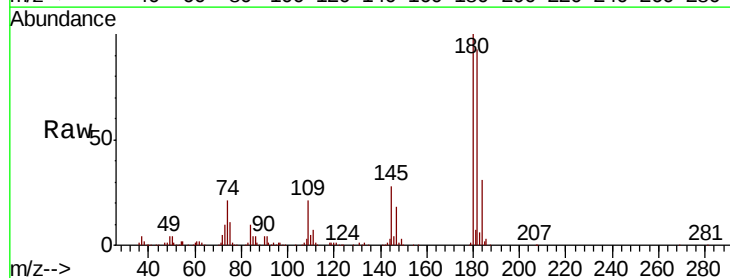
Tgt Ion:180 Resp: 113274

Ion Ratio Lower Upper

180 100

182 95.6 48.5 145.6

145 29.6 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

